

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU011219\
 Data File : VU029146.D
 Acq On : 11 Jan 2019 17:05
 Operator : JC/SP
 Sample : VU0112WBSD01
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VU0112WBSD01

Quant Time: Jan 11 23:44:28 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	174642	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.88	114	282628	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.09	117	266883	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.48	152	130564	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.31	65	119111	55.17	ug/l	0.00
Spiked Amount	50.000		Recovery	=	110.34%	
35) Dibromofluoromethane	4.88	113	98302	53.66	ug/l	0.00
Spiked Amount	50.000		Recovery	=	107.32%	
50) Toluene-d8	7.56	98	380023	52.54	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.08%	
62) 4-Bromofluorobenzene	10.30	95	129916	49.98	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.96%	

Target Compounds					Qvalue
2) Dichlorodifluoromethane	1.21	85	34256	19.779	ug/l 96
3) Chloromethane	1.33	50	48968	17.257	ug/l 99
4) Vinyl Chloride	1.40	62	49108	19.241	ug/l 98
5) Bromomethane	1.62	94	27628	19.182	ug/l 99
6) Chloroethane	1.69	64	30231	19.885	ug/l 97
7) Trichlorofluoromethane	1.88	101	55208	19.851	ug/l 99
8) Diethyl Ether	2.10	74	26353	19.723	ug/l 90
9) 1,1,2-Trichlorotrifluoroet	2.29	101	37483	20.143	ug/l 98
10) Methyl Iodide	2.41	142	29835	17.051	ug/l 97
11) Tert butyl alcohol	2.83	59	50857	92.675	ug/l 99
12) 1,1-Dichloroethene	2.28	96	34913	19.275	ug/l 98
13) Acrolein	2.19	56	38824	94.218	ug/l 100
14) Allyl chloride	2.59	41	60251	18.129	ug/l 90
15) Acrylonitrile	2.94	53	139339	103.497	ug/l 99
16) Acetone	2.32	43	132983	97.779	ug/l 99
17) Carbon Disulfide	2.48	76	110544	18.075	ug/l 99
18) Methyl Acetate	2.61	43	68623	21.700	ug/l 99
19) Methyl tert-butyl Ether	3.00	73	126833	19.917	ug/l 100
20) Methylene Chloride	2.70	84	44890	19.440	ug/l 97
21) trans-1,2-Dichloroethene	2.98	96	40446	19.220	ug/l 99
22) Diisopropyl ether	3.57	45	136915	20.845	ug/l 94
23) Vinyl Acetate	3.52	43	542292	100.993	ug/l 100
24) 1,1-Dichloroethane	3.45	63	77867	20.536	ug/l 99
25) 2-Butanone	4.26	43	189582	103.206	ug/l 99
26) 2,2-Dichloropropane	4.22	77	63910	20.860	ug/l 100
27) cis-1,2-Dichloroethene	4.22	96	45922	19.952	ug/l 98
28) Bromochloromethane	4.55	49	36679	22.591	ug/l 96
29) Tetrahydrofuran	4.64	42	116292	104.380	ug/l 98
30) Chloroform	4.67	83	75867	21.007	ug/l 100
31) Cyclohexane	4.99	56	72190	19.484	ug/l 99
32) 1,1,1-Trichloroethane	4.91	97	61295	20.540	ug/l 98
36) 1,1-Dichloropropene	5.13	75	55899	19.787	ug/l 98
37) Ethyl Acetate	4.38	43	65215	21.031	ug/l 99
38) Carbon Tetrachloride	5.13	117	50006	21.223	ug/l 98

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 Quant Title : SW846 8260
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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	6.41	83	65470	18.851	ug/l	99
40) Benzene	5.39	78	179273	20.344	ug/l	99
41) Methacrylonitrile	4.54	41	35302	21.268	ug/l	99
42) 1,2-Dichloroethane	5.40	62	57489	21.711	ug/l	99
43) Isopropyl Acetate	5.55	43	99895	21.001	ug/l	97
44) Trichloroethene	6.18	130	42768	19.588	ug/l	99
45) 1,2-Dichloropropane	6.43	63	48090	20.666	ug/l	100
46) Dibromomethane	6.56	93	31161	20.947	ug/l	98
47) Bromodichloromethane	6.76	83	58325	21.295	ug/l	98
48) Methyl methacrylate	6.62	41	48537	20.956	ug/l	99
49) 1,4-Dioxane	6.61	88	21755	396.339	ug/l	98
51) 4-Methyl-2-Pentanone	7.46	43	341157	105.385	ug/l	98
52) Toluene	7.64	92	108293	20.187	ug/l	99
53) t-1,3-Dichloropropene	7.88	75	65079	19.780	ug/l	99
54) cis-1,3-Dichloropropene	7.27	75	71766	20.186	ug/l	97
55) 1,1,2-Trichloroethane	8.06	97	45250	21.055	ug/l	96
56) Ethyl methacrylate	8.02	69	64580	19.505	ug/l	96
57) 1,3-Dichloropropane	8.24	76	76685	20.853	ug/l	100
58) 2-Chloroethyl Vinyl ether	7.12	63	143006	98.214	ug/l	98
59) 2-Hexanone	8.36	43	265893	104.636	ug/l	98
60) Dibromochloromethane	8.48	129	43043	20.216	ug/l	96
61) 1,2-Dibromoethane	8.58	107	47795	20.506	ug/l	99
64) Tetrachloroethene	8.22	164	38010	19.771	ug/l	98
65) Chlorobenzene	9.12	112	115065	19.234	ug/l	99
66) 1,1,1,2-Tetrachloroethane	9.21	131	39786	20.494	ug/l	99
67) Ethyl Benzene	9.25	91	194560	19.480	ug/l	100
68) m/p-Xylenes	9.37	106	149977	38.647	ug/l	100
69) o-Xylene	9.78	106	73298	19.602	ug/l	99
70) Styrene	9.79	104	118026	19.254	ug/l	98
71) Bromoform	9.96	173	33988	19.662	ug/l #	99
73) Isopropylbenzene	10.16	105	189964	19.657	ug/l	100
74) N-amyl acetate	10.01	43	83312	20.006	ug/l	97
75) 1,1,2,2-Tetrachloroethane	10.46	83	78514	20.271	ug/l	99
76) 1,2,3-Trichloropropane	10.49	75	84764	26.497	ug/l	83
77) Bromobenzene	10.45	156	49449	19.635	ug/l	99
78) n-propylbenzene	10.58	91	226524	19.890	ug/l	99
79) 2-Chlorotoluene	10.66	91	136358	19.737	ug/l	100
80) 1,3,5-Trimethylbenzene	10.77	105	160214	19.852	ug/l	98
81) trans-1,4-Dichloro-2-buten	10.49	75	84764	68.337	ug/l #	100
82) 4-Chlorotoluene	10.77	91	151793	19.161	ug/l	98
83) tert-Butylbenzene	11.10	119	151719	19.074	ug/l	99
84) 1,2,4-Trimethylbenzene	11.15	105	158691	19.695	ug/l	100
85) sec-Butylbenzene	11.32	105	192255	19.985	ug/l	100
86) p-Isopropyltoluene	11.48	119	162407	19.812	ug/l	98
87) 1,3-Dichlorobenzene	11.41	146	86939	18.820	ug/l	100
88) 1,4-Dichlorobenzene	11.50	146	88721	18.607	ug/l	98
89) n-Butylbenzene	11.89	91	145821	19.931	ug/l	99
90) Hexachloroethane	12.14	117	26381	19.130	ug/l	97
91) 1,2-Dichlorobenzene	11.88	146	88827	19.091	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	12.66	75	15273	20.502	ug/l	95

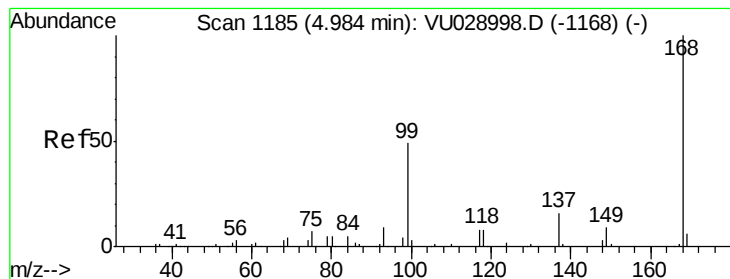
Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU011219\
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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.50	180	54692	18.414	ug/l	99
94) Hexachlorobutadiene	13.69	225	28264	20.805	ug/l	100
95) Naphthalene	13.74	128	178257	17.643	ug/l	100
96) 1,2,3-Trichlorobenzene	13.99	180	59612	19.969	ug/l	96

(#) = 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: VU029146.D

Acq: 11 Jan 2019 17:05

Instrument :

MSVOA_U

ClientSampleId :

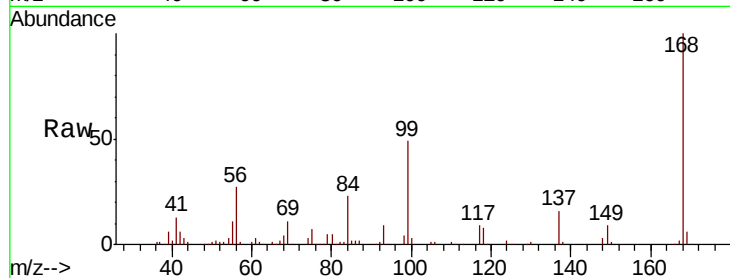
VU0112WBSD01

Tgt Ion:168 Resp: 174642

Ion Ratio Lower Upper

168 100

99 48.9 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

80000

60000

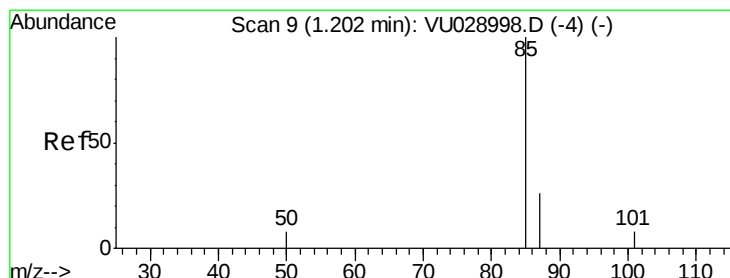
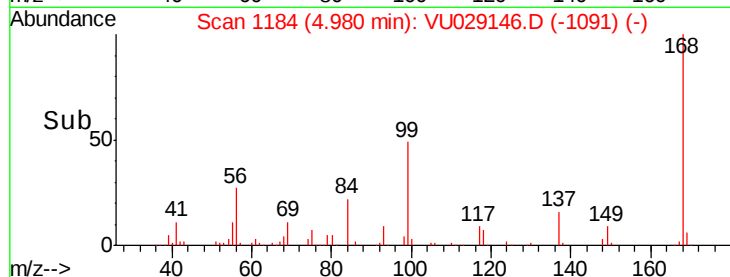
40000

20000

0

4.90 4.95 5.00 5.05

Time-->



#2

Dichlorodifluoromethane

Concen: 19.779 ug/l

RT: 1.21 min Scan# 10

Delta R.T. 0.00 min

Lab File: VU029146.D

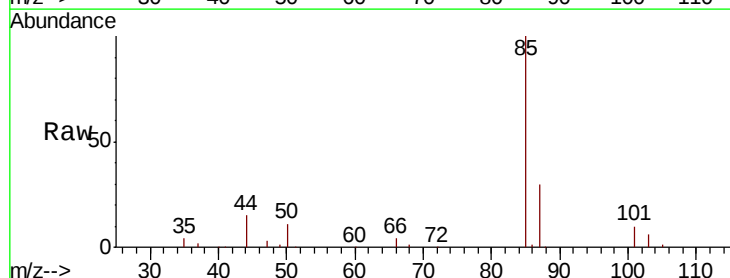
Acq: 11 Jan 2019 17:05

Tgt Ion: 85 Resp: 34256

Ion Ratio Lower Upper

85 100

87 30.4 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

40000

30000

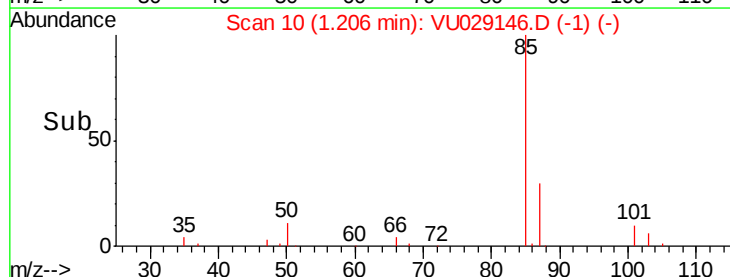
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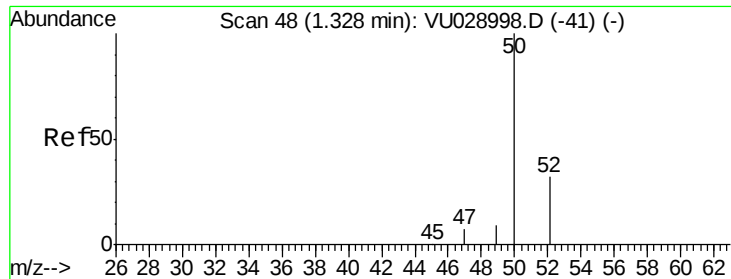
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0

1.15 1.20 1.25

Time-->





#3

Chloromethane

Concen: 17.257 ug/l

RT: 1.33 min Scan# 48

Delta R.T. 0.00 min

Lab File: VU029146.D

Acq: 11 Jan 2019 17:05

Instrument :

MSVOA_U

ClientSampleId :

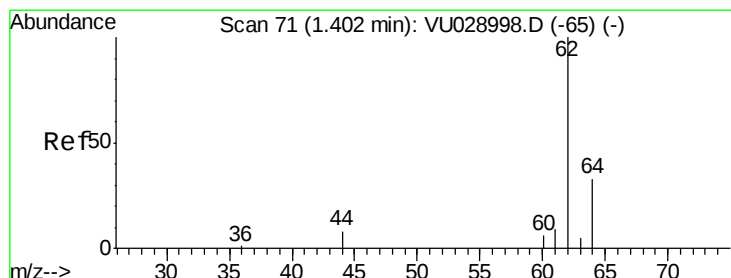
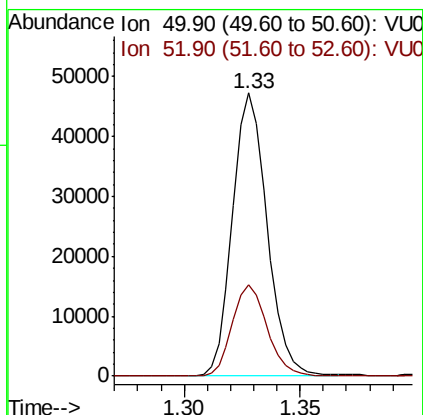
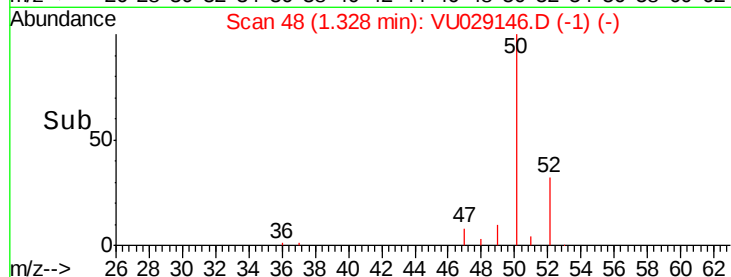
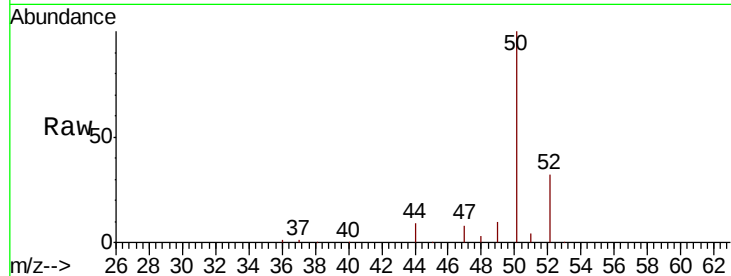
VU0112WBSD01

Tgt Ion: 50 Resp: 48968

Ion Ratio Lower Upper

50 100

52 32.1 26.1 39.1



#4

Vinyl Chloride

Concen: 19.241 ug/l

RT: 1.40 min Scan# 71

Delta R.T. 0.00 min

Lab File: VU029146.D

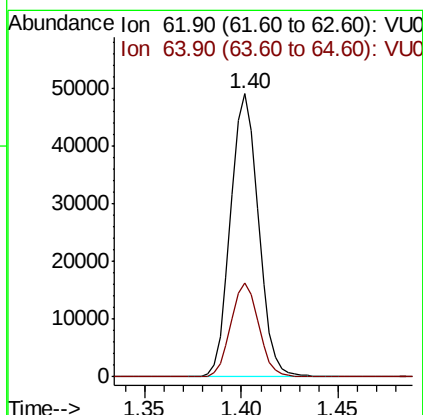
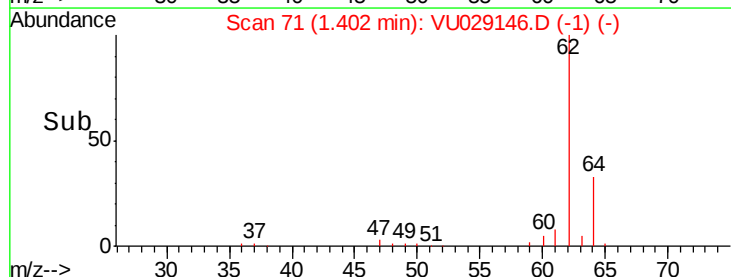
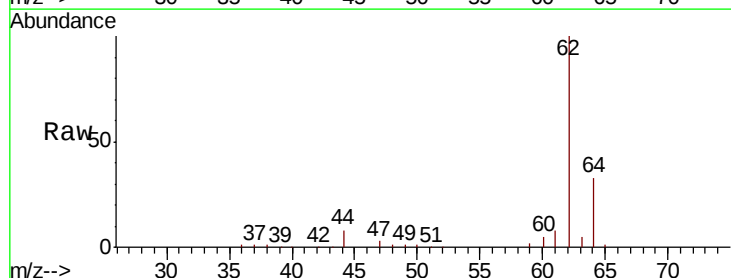
Acq: 11 Jan 2019 17:05

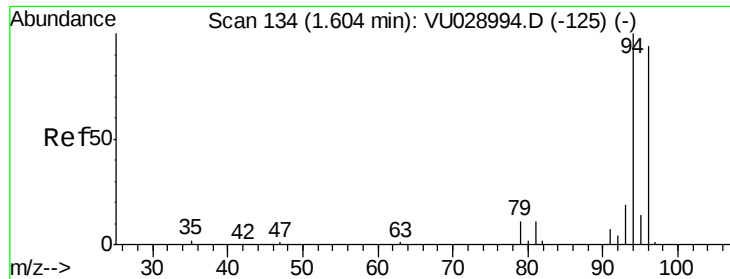
Tgt Ion: 62 Resp: 49108

Ion Ratio Lower Upper

62 100

64 33.3 25.9 38.9

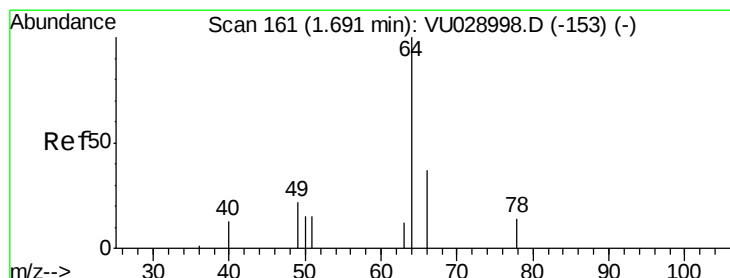
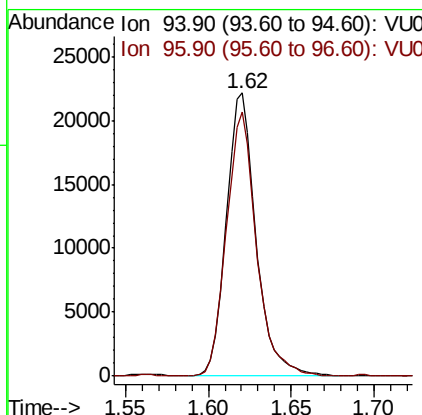
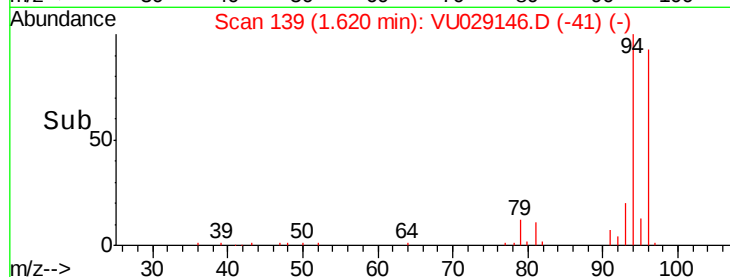
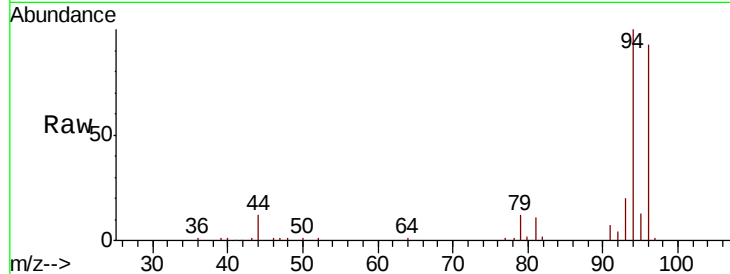




#5
 Bromomethane
 Concen: 19.182 ug/l
 RT: 1.62 min Scan# 139
 Delta R.T. 0.02 min
 Lab File: VU029146.D
 Acq: 11 Jan 2019 17:05

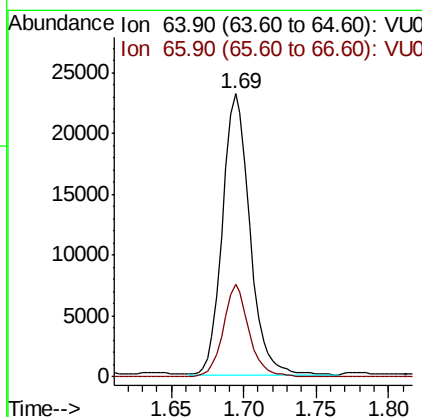
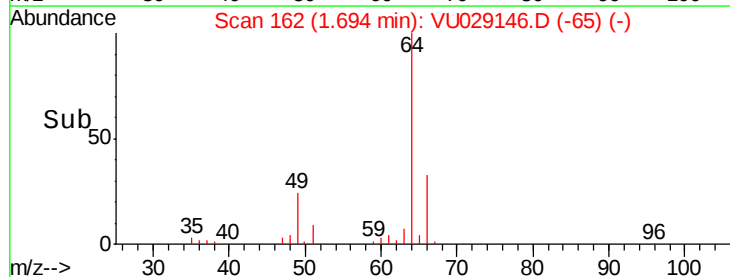
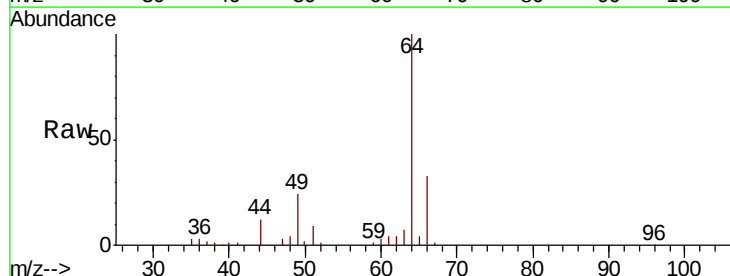
Instrument :
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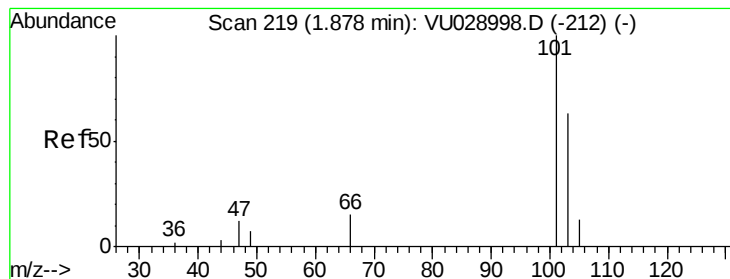
Tgt Ion: 94 Resp: 27628
 Ion Ratio Lower Upper
 94 100
 96 93.2 75.5 113.3



#6
 Chloroethane
 Concen: 19.885 ug/l
 RT: 1.69 min Scan# 162
 Delta R.T. 0.01 min
 Lab File: VU029146.D
 Acq: 11 Jan 2019 17:05

Tgt Ion: 64 Resp: 30231
 Ion Ratio Lower Upper
 64 100
 66 33.1 25.2 37.8



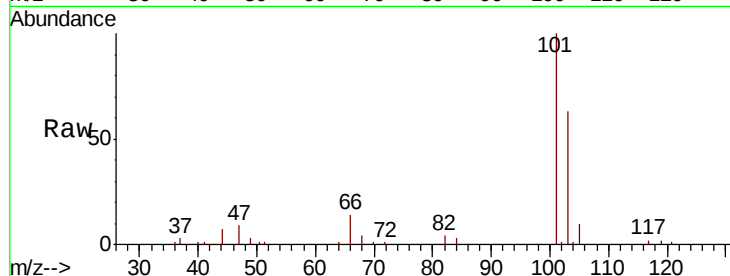


#7

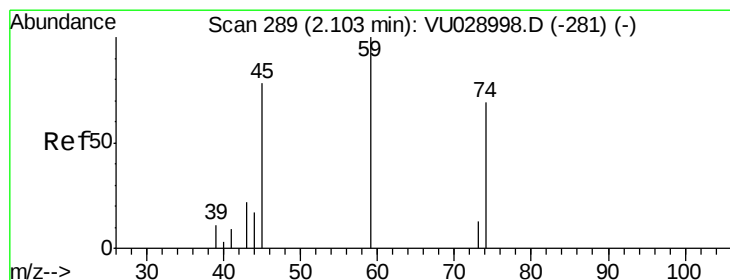
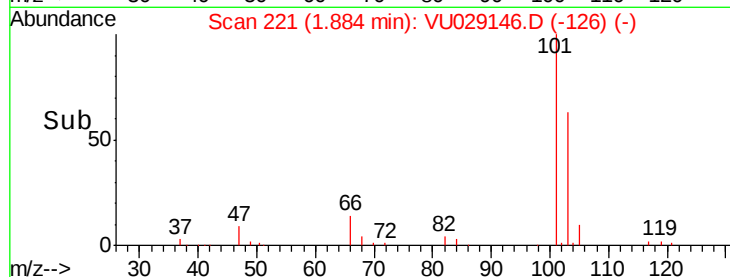
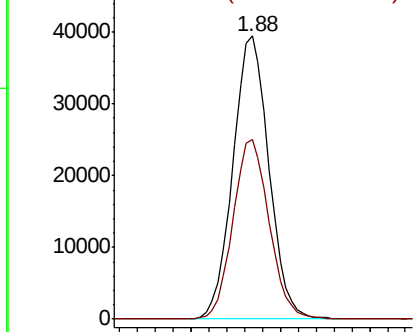
Trichlorofluoromethane
 Concen: 19.851 ug/l
 RT: 1.88 min Scan# 221
 Delta R.T. 0.01 min
 Lab File: VU029146.D
 Acq: 11 Jan 2019 17:05

Instrument :
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 ClientSampleId :
 VU0112WBSD01

Tgt Ion: 101 Resp: 55208
 Ion Ratio Lower Upper
 101 100
 103 63.4 51.5 77.3



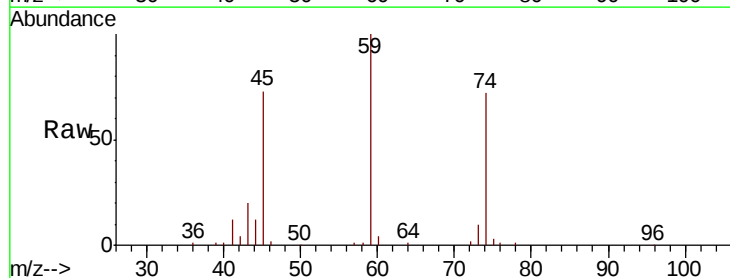
Abundance Ion 100.90 (100.60 to 101.60): V
 Ion 102.80 (102.50 to 103.50): V



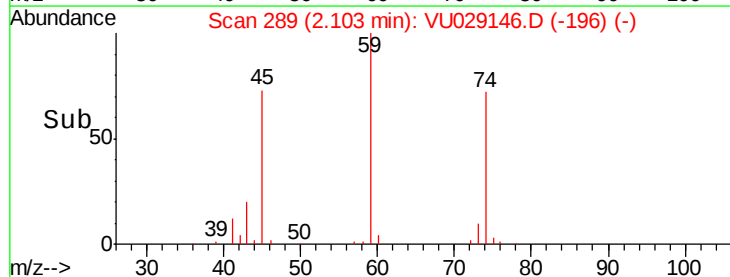
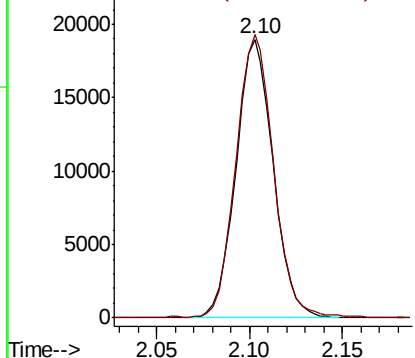
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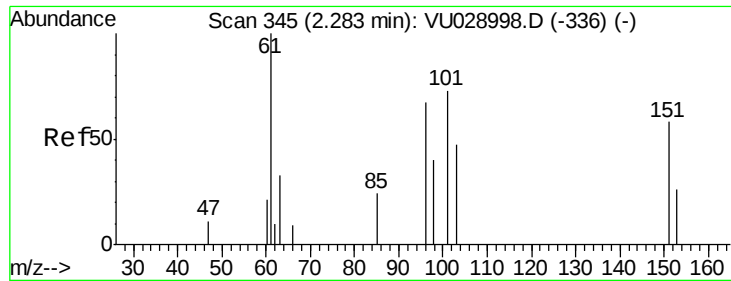
Diethyl Ether
 Concen: 19.723 ug/l
 RT: 2.10 min Scan# 289
 Delta R.T. 0.00 min
 Lab File: VU029146.D
 Acq: 11 Jan 2019 17:05

Tgt Ion: 74 Resp: 26353
 Ion Ratio Lower Upper
 74 100
 45 103.5 46.9 140.6



Abundance Ion 74.00 (73.70 to 74.70): VU0
 Ion 45.00 (44.70 to 45.70): VU0





#9

1,1,2-Trichlorotrifluoroethane

Concen: 20.143 ug/l

RT: 2.29 min Scan# 346

Delta R.T. 0.01 min

Lab File: VU029146.D

Acq: 11 Jan 2019 17:05

Instrument :

MSVOA_U

ClientSampleId :

VU0112WBSD01

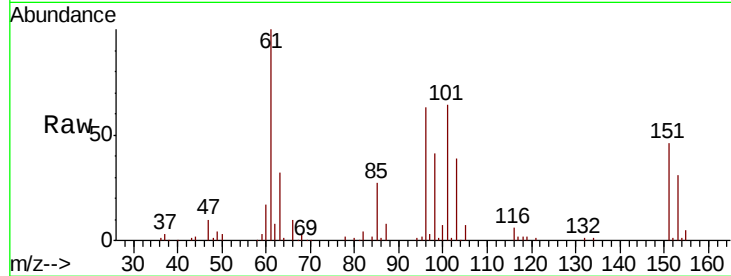
Tgt Ion:101 Resp: 37483

Ion Ratio Lower Upper

101 100

85 42.5 35.1 52.7

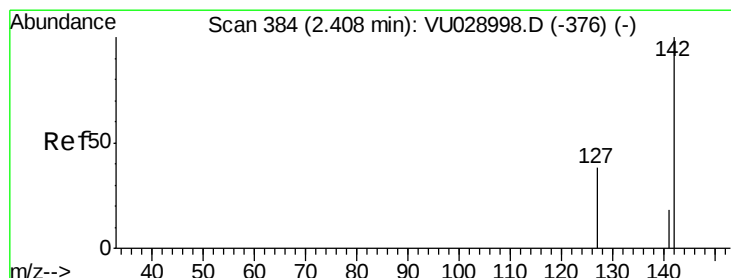
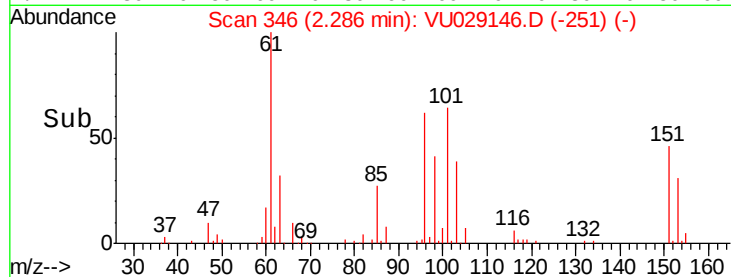
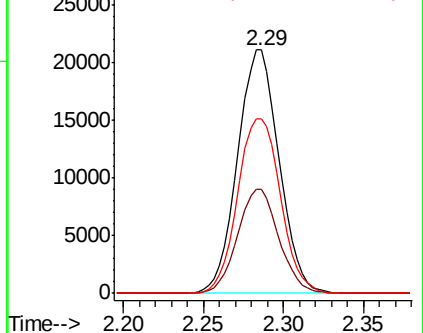
151 73.9 60.2 90.2



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: 17.051 ug/l

RT: 2.41 min Scan# 384

Delta R.T. 0.00 min

Lab File: VU029146.D

Acq: 11 Jan 2019 17:05

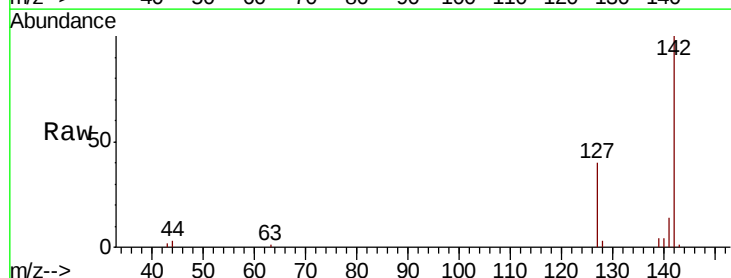
Tgt Ion:142 Resp: 29835

Ion Ratio Lower Upper

142 100

127 39.1 29.8 44.6

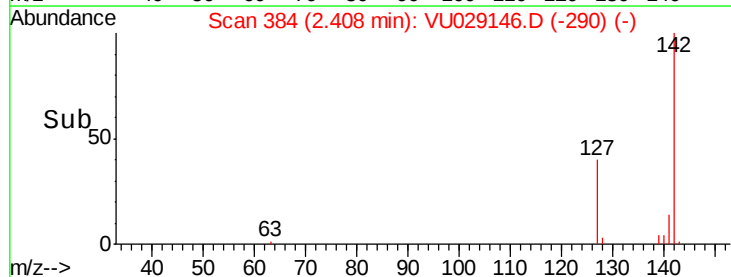
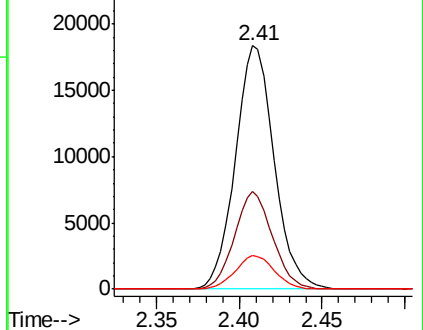
141 13.8 11.5 17.3

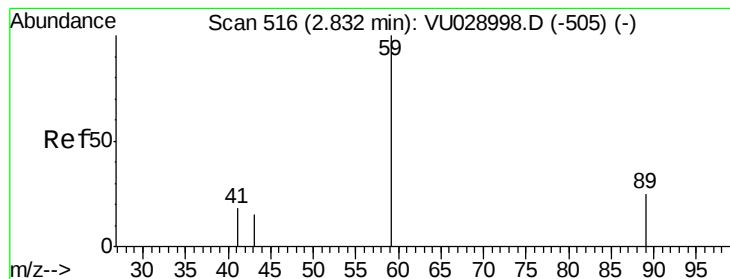


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



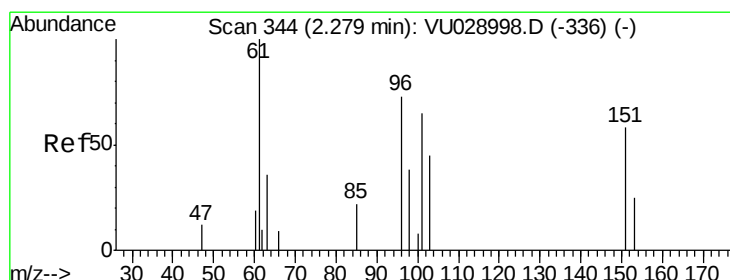
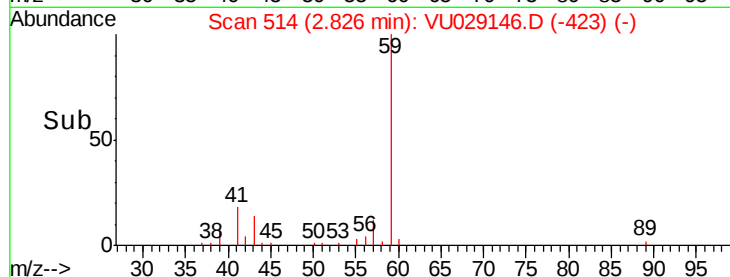
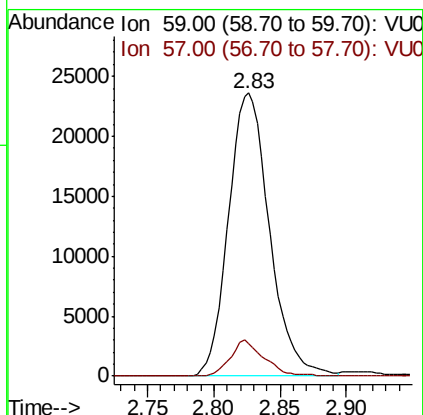
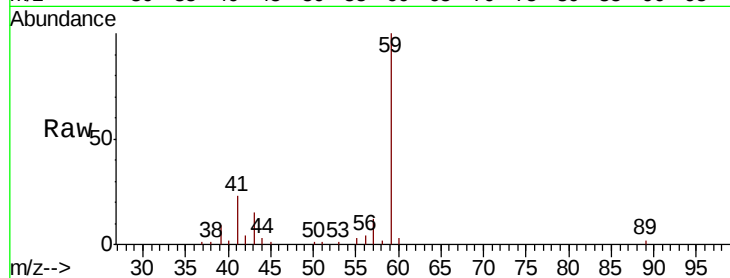


#11

Tert butyl alcohol
 Concen: 92.675 ug/l
 RT: 2.83 min Scan# 514
 Delta R.T. -0.01 min
 Lab File: VU029146.D
 Acq: 11 Jan 2019 17:05

Instrument :
 MSVOA_U
 ClientSampleId :
 VU0112WBSD01

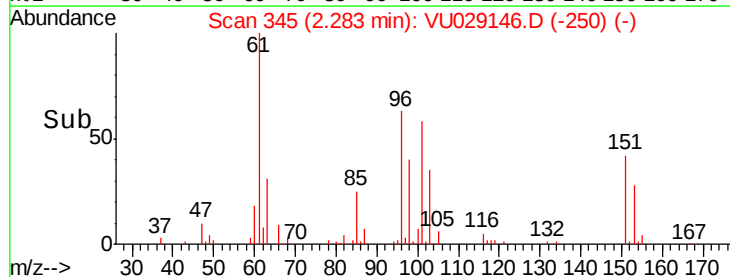
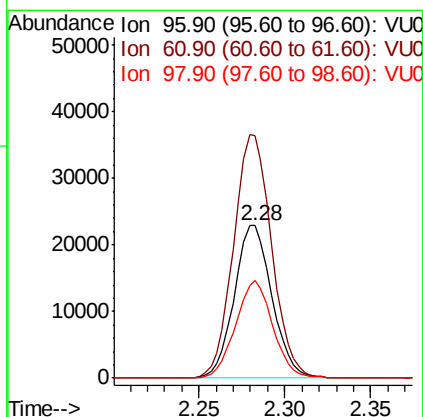
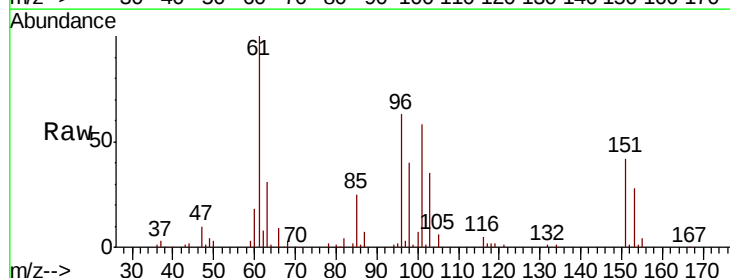
Tgt Ion: 59 Resp: 50857
 Ion Ratio Lower Upper
 59 100
 57 10.4 7.9 11.9

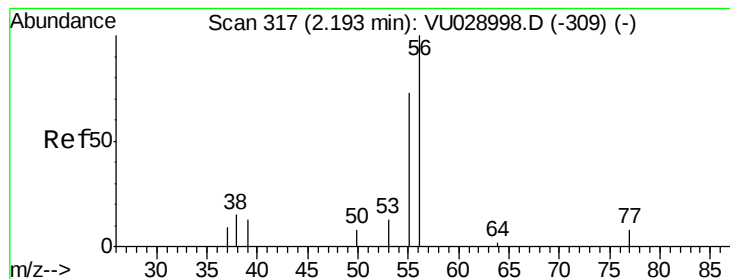


#12

1,1-Dichloroethene
 Concen: 19.275 ug/l
 RT: 2.28 min Scan# 345
 Delta R.T. 0.01 min
 Lab File: VU029146.D
 Acq: 11 Jan 2019 17:05

Tgt Ion: 96 Resp: 34913
 Ion Ratio Lower Upper
 96 100
 61 159.1 125.4 188.0
 98 63.8 49.7 74.5





#13

Acrolein

Concen: 94.218 ug/l

RT: 2.19 min Scan# 317

Delta R.T. 0.00 min

Lab File: VU029146.D

Acq: 11 Jan 2019 17:05

Instrument :

MSVOA_U

ClientSampleId :

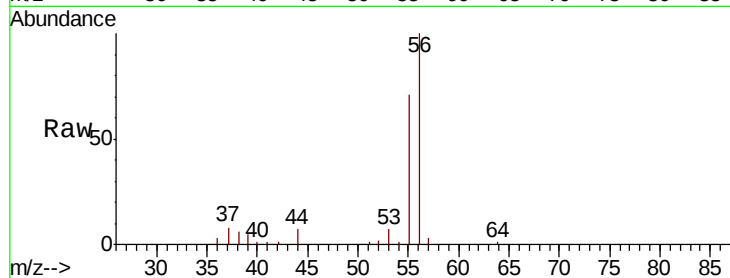
VU0112WBSD01

Tgt Ion: 56 Resp: 38824

Ion Ratio Lower Upper

56 100

55 70.3 56.5 84.7

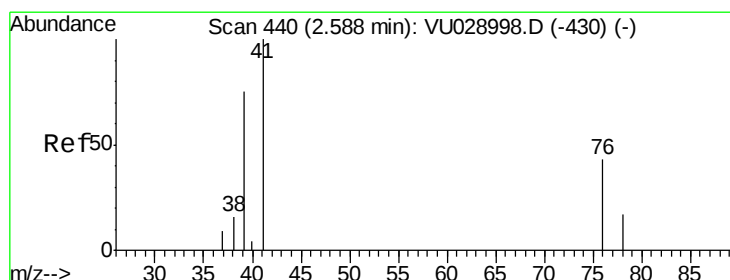
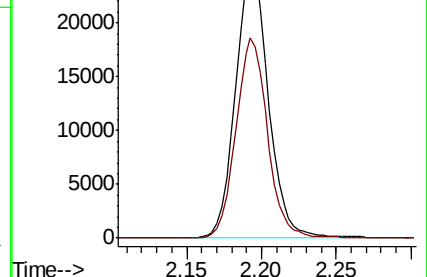
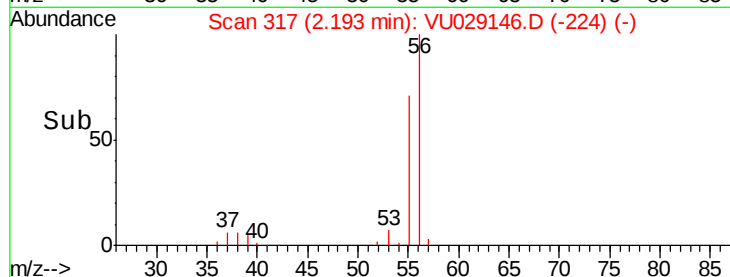


Abundance Ion 56.00 (55.70 to 56.70): VU028998.D (-309) (-)

Ion 55.00 (54.70 to 55.70): VU028998.D (-309) (-)

2.19

Time-->



#14

Allyl chloride

Concen: 18.129 ug/l

RT: 2.59 min Scan# 441

Delta R.T. 0.00 min

Lab File: VU029146.D

Acq: 11 Jan 2019 17:05

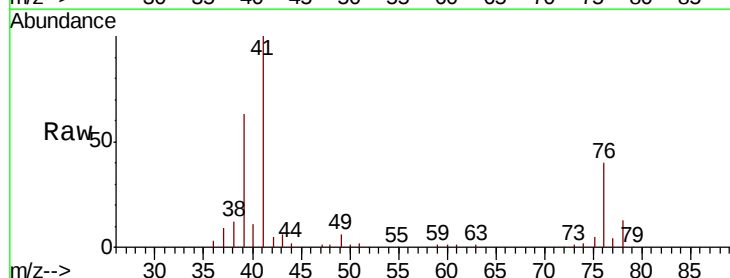
Tgt Ion: 41 Resp: 60251

Ion Ratio Lower Upper

41 100

39 64.9 45.0 67.6

76 39.6 28.1 42.1



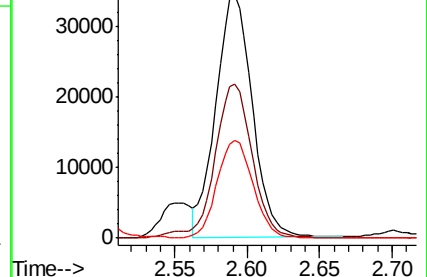
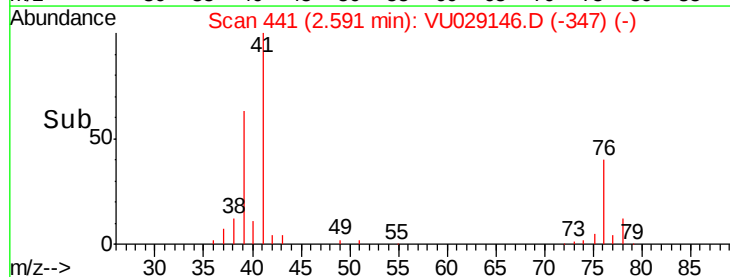
Abundance Ion 41.00 (40.70 to 41.70): VU028998.D (-430) (-)

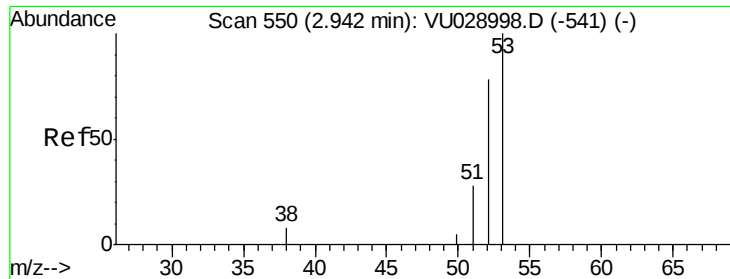
Ion 39.00 (38.70 to 39.70): VU028998.D (-430) (-)

Ion 75.90 (75.60 to 76.60): VU028998.D (-430) (-)

2.59

Time-->





#15

Acrylonitrile

Concen: 103.497 ug/l

RT: 2.94 min Scan# 548

Delta R.T. 0.00 min

Lab File: VU029146.D

Acq: 11 Jan 2019 17:05

Instrument :

MSVOA_U

ClientSampleId :

VU0112WBSD01

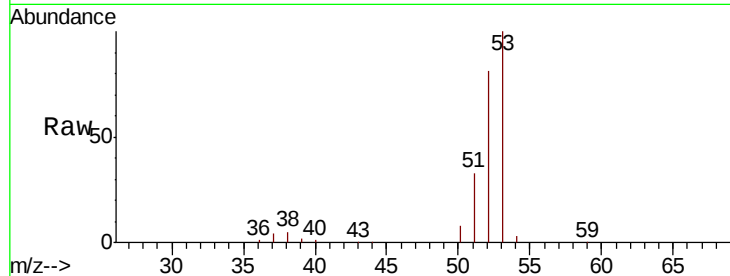
Tgt Ion: 53 Resp: 139339

Ion Ratio Lower Upper

53 100

52 80.7 64.8 97.2

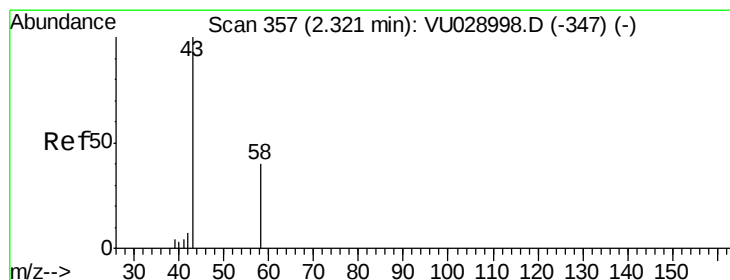
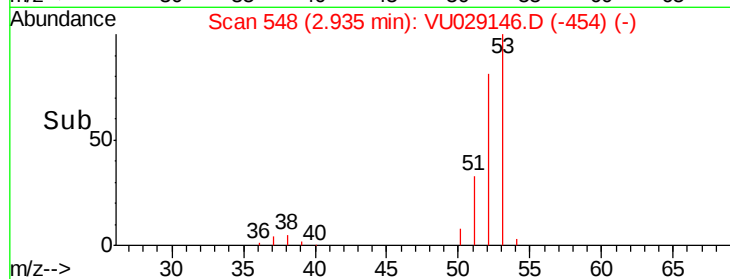
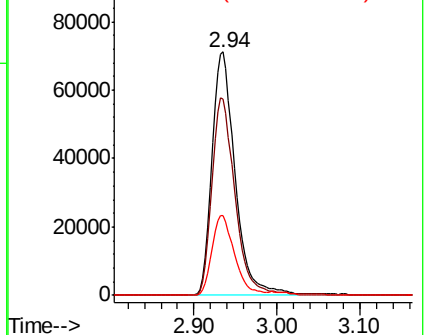
51 32.0 27.3 40.9



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: 97.779 ug/l

RT: 2.32 min Scan# 357

Delta R.T. 0.00 min

Lab File: VU029146.D

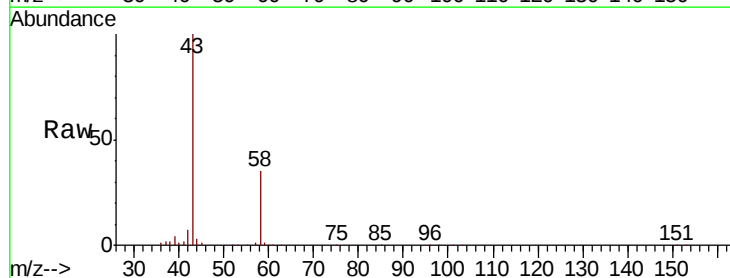
Acq: 11 Jan 2019 17:05

Tgt Ion: 43 Resp: 132983

Ion Ratio Lower Upper

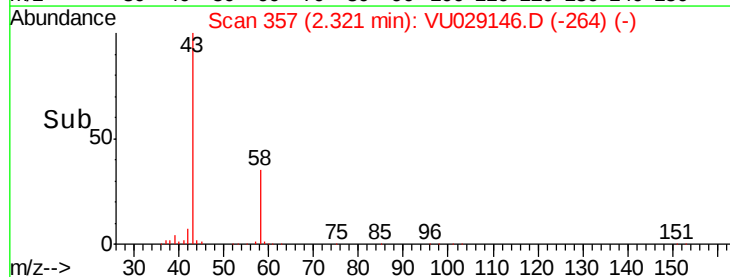
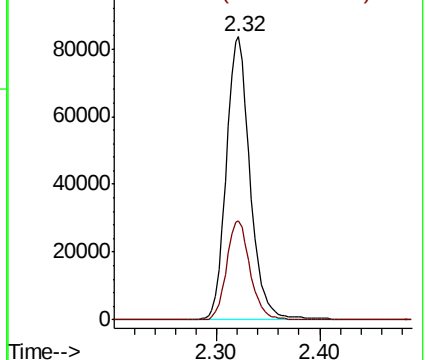
43 100

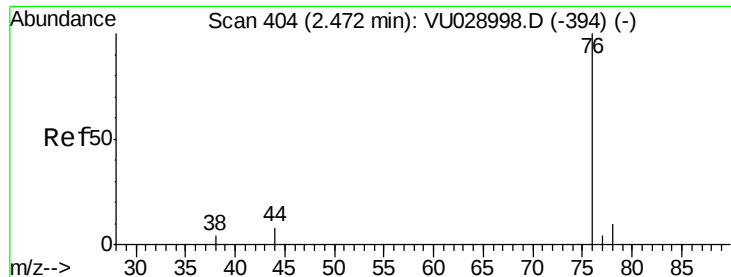
58 35.3 28.6 42.8



Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 58.00 (57.70 to 58.70): VU0





#17

Carbon Disulfide

Concen: 18.075 ug/l

RT: 2.48 min Scan# 405

Delta R.T. 0.00 min

Lab File: VU029146.D

Acq: 11 Jan 2019 17:05

Instrument :

MSVOA_U

ClientSampleId :

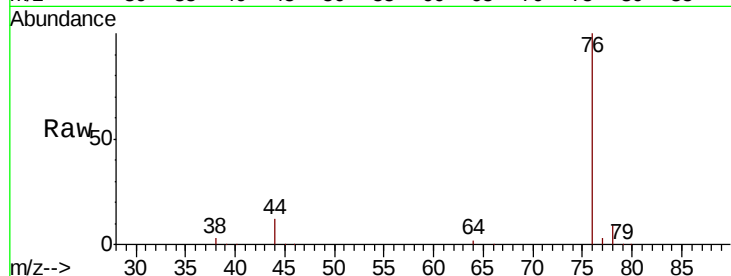
VU0112WBSD01

Tgt Ion: 76 Resp: 110544

Ion Ratio Lower Upper

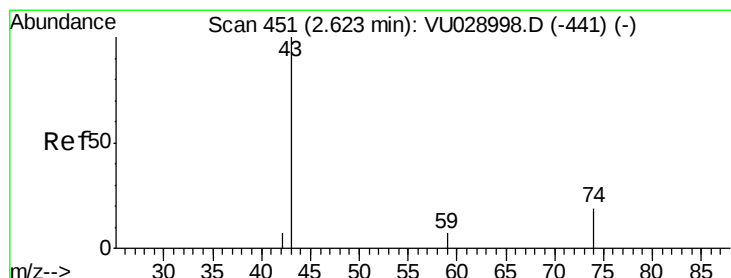
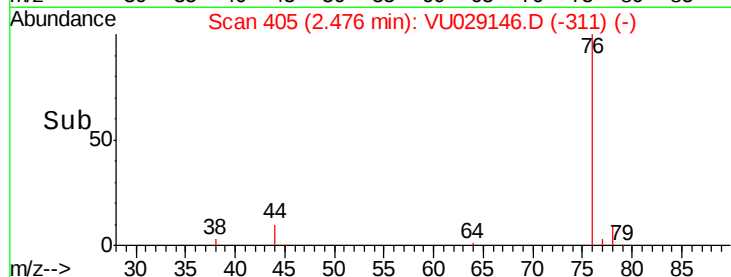
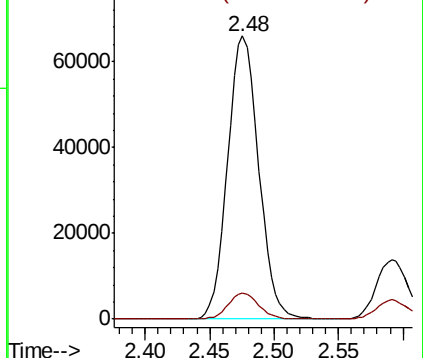
76 100

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: 21.700 ug/l

RT: 2.61 min Scan# 448

Delta R.T. 0.00 min

Lab File: VU029146.D

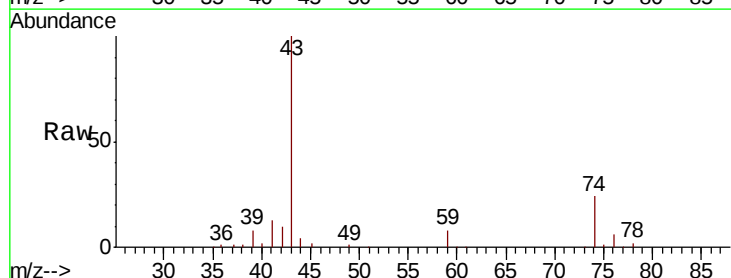
Acq: 11 Jan 2019 17:05

Tgt Ion: 43 Resp: 68623

Ion Ratio Lower Upper

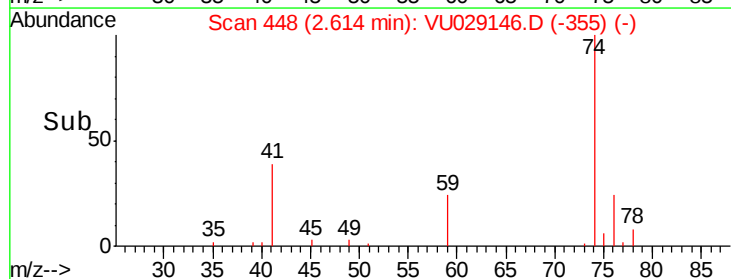
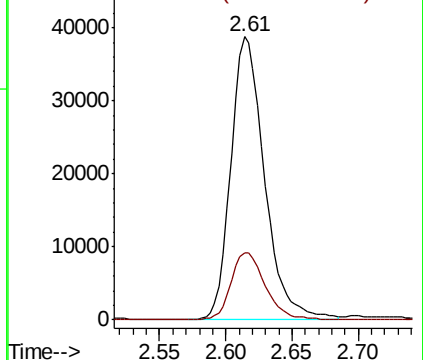
43 100

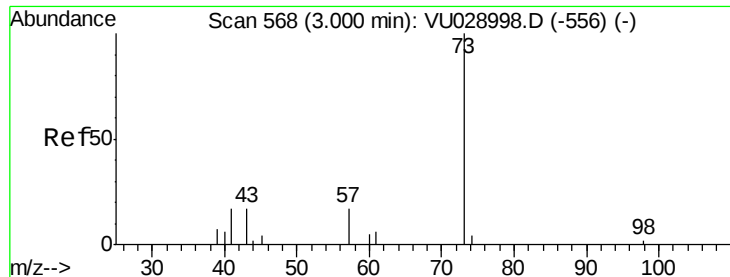
74 24.1 19.5 29.3



Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 74.00 (73.70 to 74.70): VU0

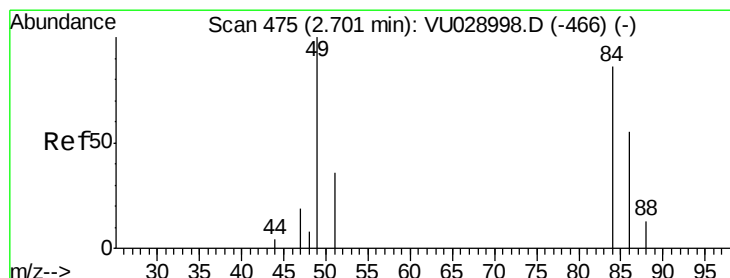
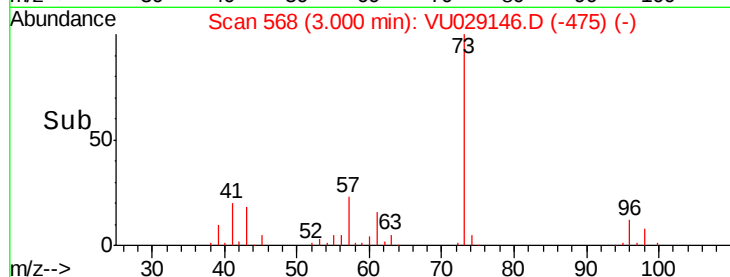
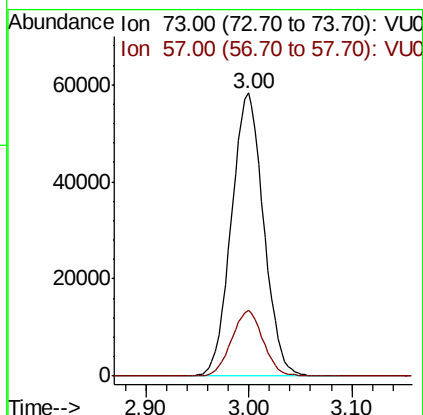
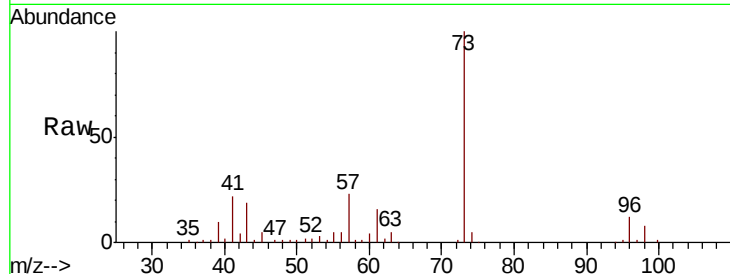




#19
Methyl tert-butyl Ether
Concen: 19.917 ug/l
RT: 3.00 min Scan# 568
Delta R.T. 0.00 min
Lab File: VU029146.D
Acq: 11 Jan 2019 17:05

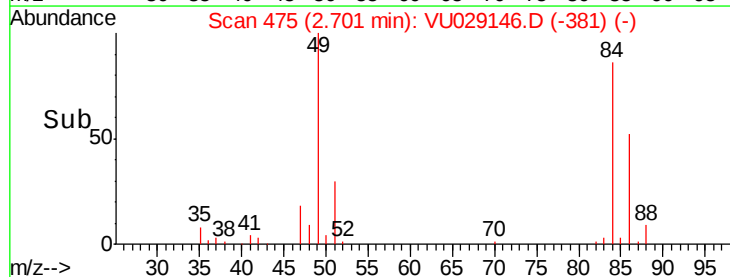
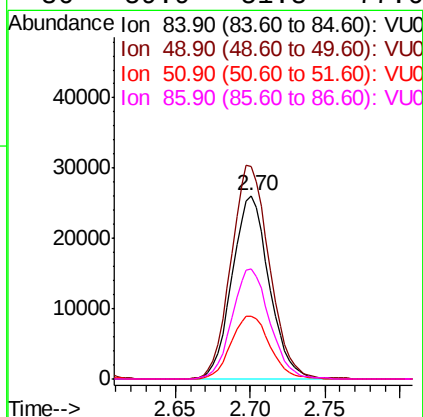
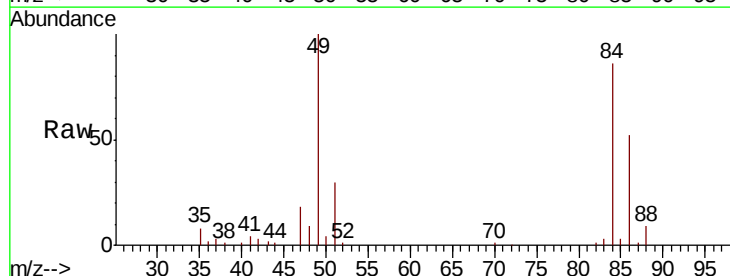
Instrument :
MSVOA_U
ClientSampleId :
VU0112WBSD01

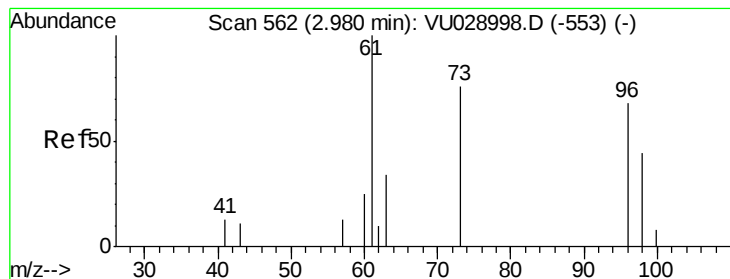
Tgt Ion: 73 Resp: 126833
Ion Ratio Lower Upper
73 100
57 23.1 18.6 28.0



#20
Methylene Chloride
Concen: 19.440 ug/l
RT: 2.70 min Scan# 475
Delta R.T. 0.00 min
Lab File: VU029146.D
Acq: 11 Jan 2019 17:05

Tgt Ion: 84 Resp: 44890
Ion Ratio Lower Upper
84 100
49 116.2 91.9 137.9
51 34.4 29.2 43.8
86 59.9 51.8 77.6





#21

trans-1,2-Dichloroethene

Concen: 19.220 ug/l

RT: 2.98 min Scan# 562

Delta R.T. 0.00 min

Lab File: VU029146.D

Acq: 11 Jan 2019 17:05

Instrument :

MSVOA_U

ClientSampleId :

VU0112WBSD01

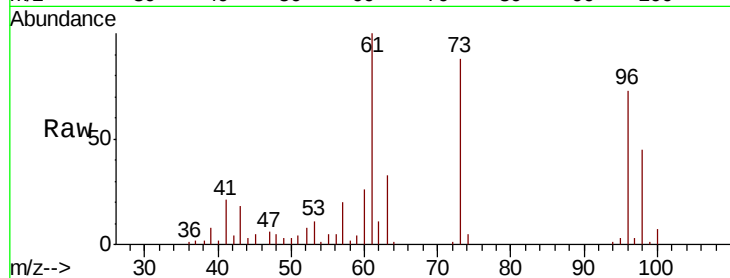
Tgt Ion: 96 Resp: 40446

Ion Ratio Lower Upper

96 100

61 136.6 107.7 161.5

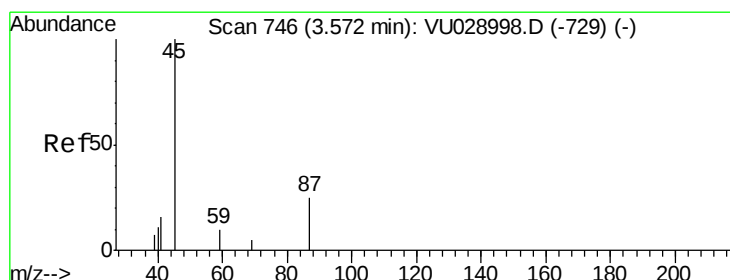
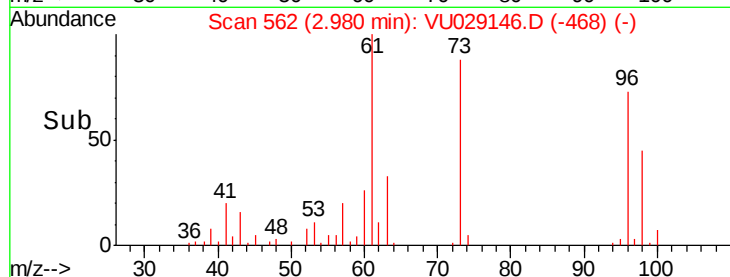
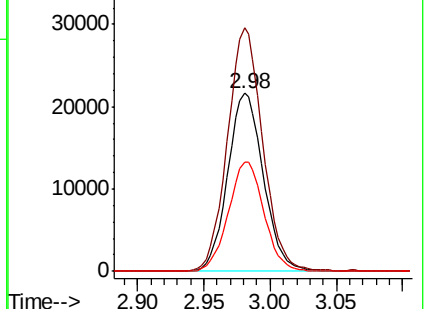
98 61.5 49.2 73.8



Abundance Ion 95.90 (95.60 to 96.60): VU028998.D (-553) (-)

Ion 60.90 (60.60 to 61.60): VU028998.D (-553) (-)

Ion 97.90 (97.60 to 98.60): VU028998.D (-553) (-)



#22

Diisopropyl ether

Concen: 20.845 ug/l

RT: 3.57 min Scan# 745

Delta R.T. 0.00 min

Lab File: VU029146.D

Acq: 11 Jan 2019 17:05

Tgt Ion: 45 Resp: 136915

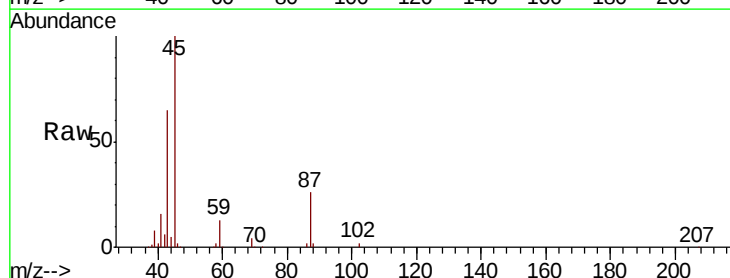
Ion Ratio Lower Upper

45 100

43 62.0 44.7 67.1

87 26.0 22.2 33.2

59 13.1 9.8 14.8

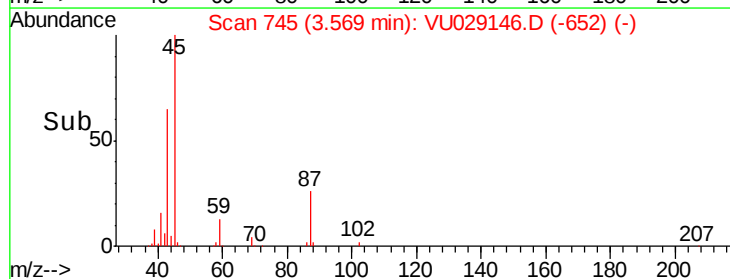
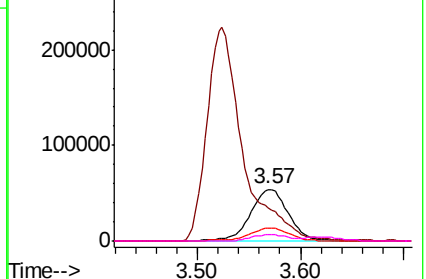


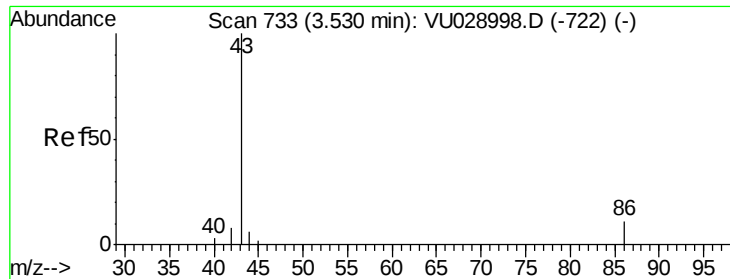
Abundance Ion 45.00 (44.70 to 45.70): VU028998.D (-729) (-)

Ion 43.00 (42.70 to 43.70): VU028998.D (-729) (-)

Ion 87.00 (86.70 to 87.70): VU028998.D (-729) (-)

Ion 59.00 (58.70 to 59.70): VU028998.D (-729) (-)





#23

Vinyl Acetate

Concen: 100.993 ug/l

RT: 3.52 min Scan# 731

Delta R.T. 0.00 min

Lab File: VU029146.D

Acq: 11 Jan 2019 17:05

Instrument :

MSVOA_U

ClientSampleId :

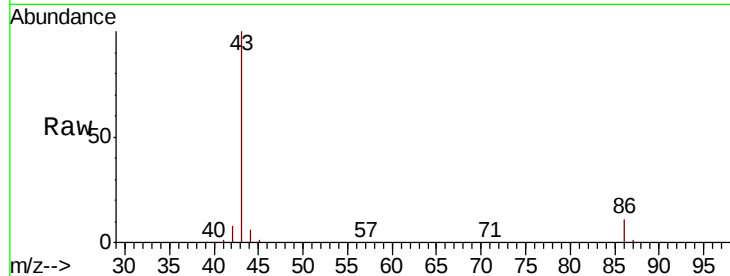
VU0112WBSD01

Tgt Ion: 43 Resp: 542292

Ion Ratio Lower Upper

43 100

86 10.7 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

250000

200000

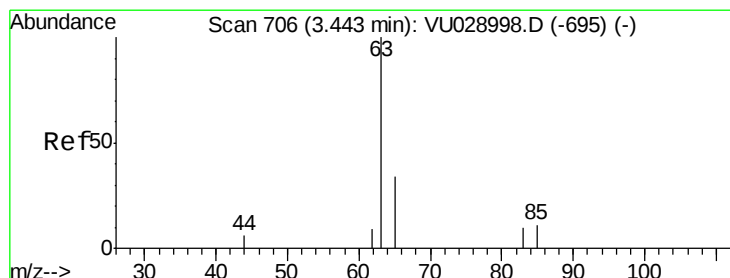
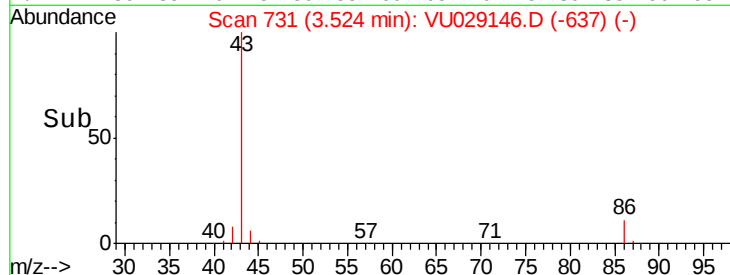
150000

100000

50000

0

Time-->



#24

1,1-Dichloroethane

Concen: 20.536 ug/l

RT: 3.45 min Scan# 707

Delta R.T. 0.00 min

Lab File: VU029146.D

Acq: 11 Jan 2019 17:05

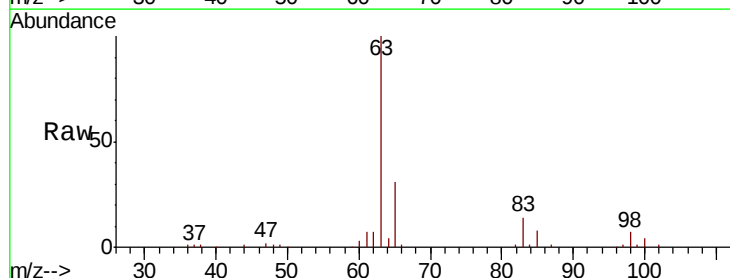
Tgt Ion: 63 Resp: 77867

Ion Ratio Lower Upper

63 100

98 7.4 3.4 10.1

100 3.8 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) (-)

3.45

40000

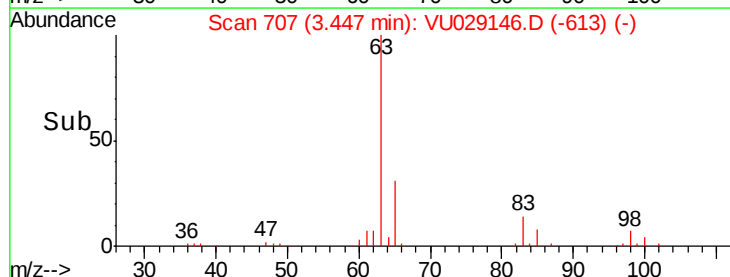
30000

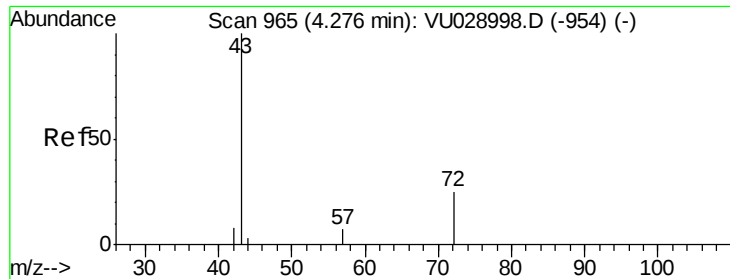
20000

10000

0

Time-->





#25

2-Butanone

Concen: 103.206 ug/l

RT: 4.26 min Scan# 960

Delta R.T. 0.00 min

Lab File: VU029146.D

Acq: 11 Jan 2019 17:05

Instrument :

MSVOA_U

ClientSampleId :

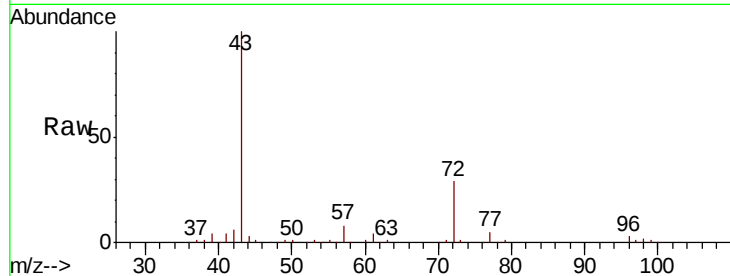
VU0112WBSD01

Tgt Ion: 43 Resp: 189582

Ion Ratio Lower Upper

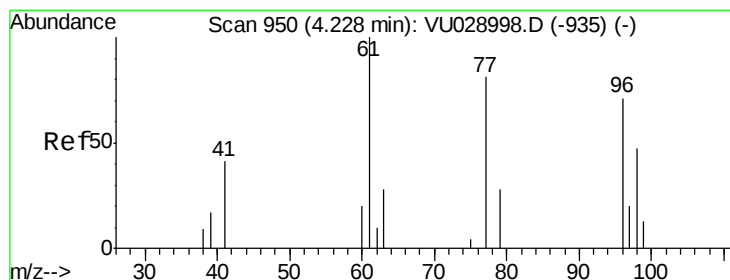
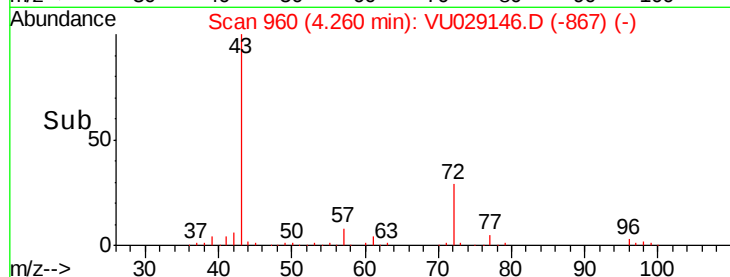
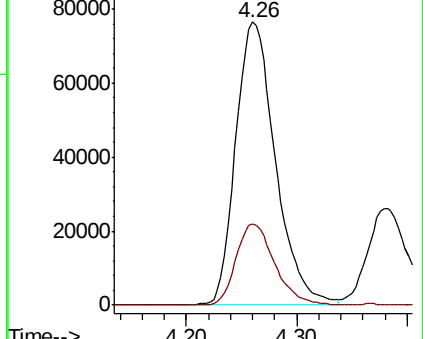
43 100

72 28.8 22.6 33.8



Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 72.00 (71.70 to 72.70): VU0



#26

2,2-Dichloropropane

Concen: 20.860 ug/l

RT: 4.22 min Scan# 949

Delta R.T. 0.00 min

Lab File: VU029146.D

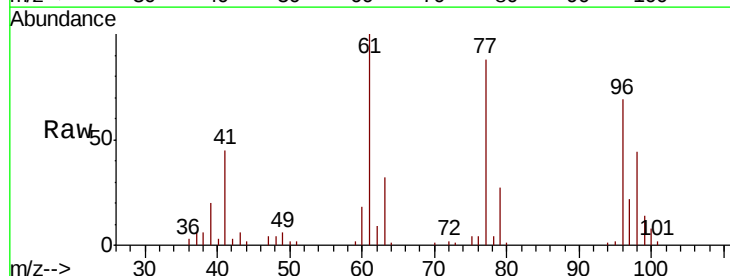
Acq: 11 Jan 2019 17:05

Tgt Ion: 77 Resp: 63910

Ion Ratio Lower Upper

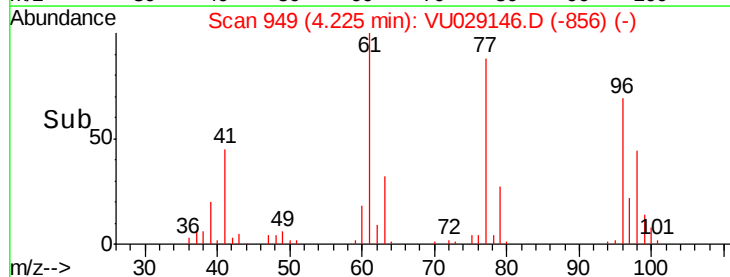
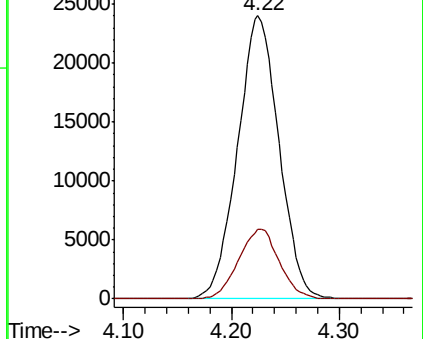
77 100

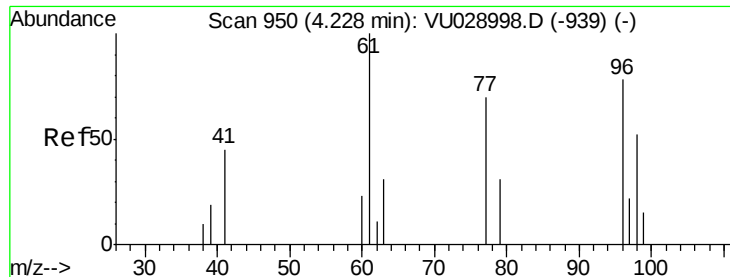
97 24.1 12.0 36.1



Abundance Ion 76.90 (76.60 to 77.60): VU0

Ion 96.90 (96.60 to 97.60): VU0





#27

cis-1,2-Dichloroethene

Concen: 19.952 ug/l

RT: 4.22 min Scan# 949

Delta R.T. 0.00 min

Lab File: VU029146.D

Acq: 11 Jan 2019 17:05

Instrument :

MSVOA_U

ClientSampleId :

VU0112WBSD01

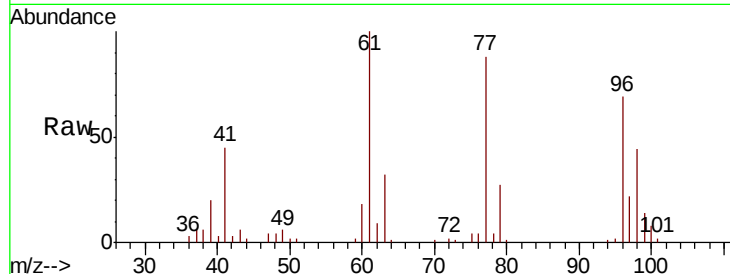
Tgt Ion: 96 Resp: 45922

Ion Ratio Lower Upper

96 100

61 146.2 0.0 285.6

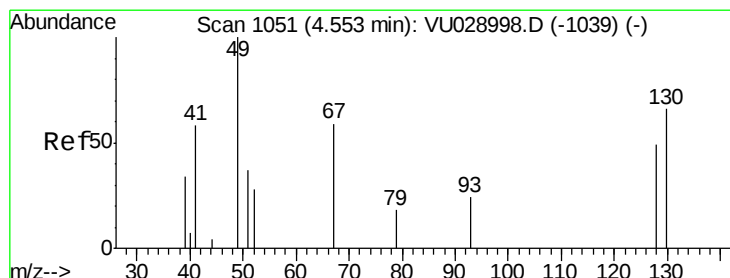
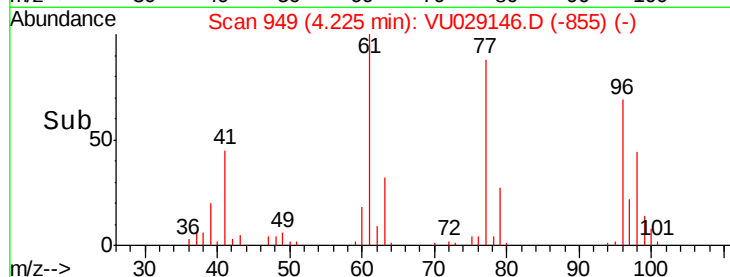
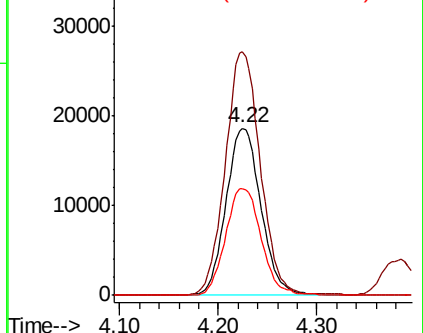
98 64.9 0.0 130.2



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: 22.591 ug/l

RT: 4.55 min Scan# 1049

Delta R.T. 0.00 min

Lab File: VU029146.D

Acq: 11 Jan 2019 17:05

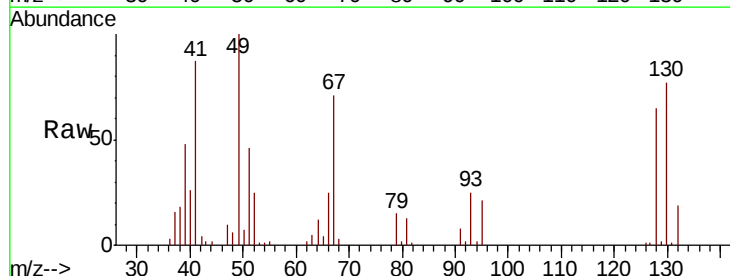
Tgt Ion: 49 Resp: 36679

Ion Ratio Lower Upper

49 100

129 1.5 0.0 3.4

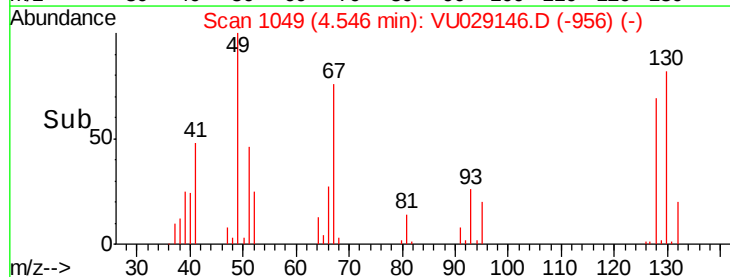
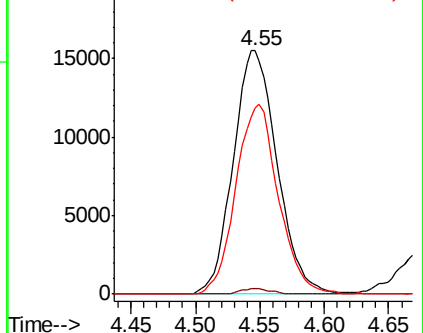
130 75.3 62.9 94.3

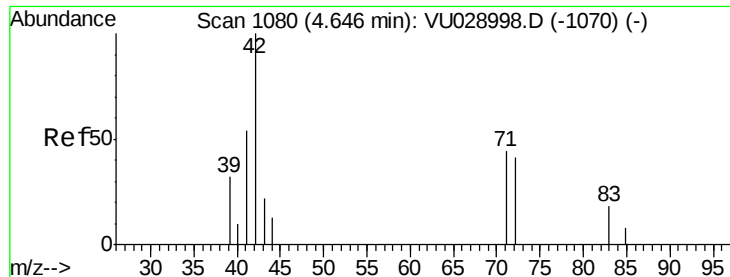


Abundance Ion 48.90 (48.60 to 49.60): VU0

Ion 128.80 (128.50 to 129.50): V

Ion 129.80 (129.50 to 130.50): V

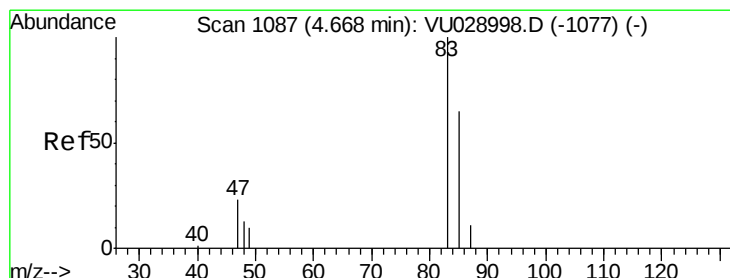
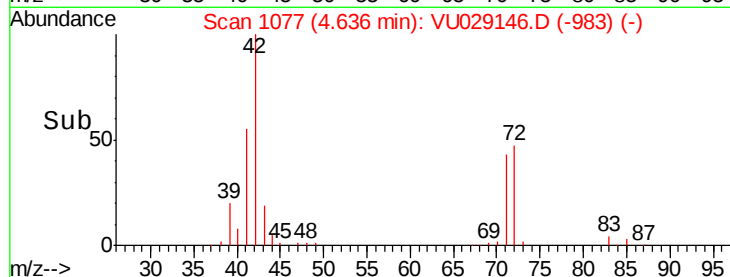
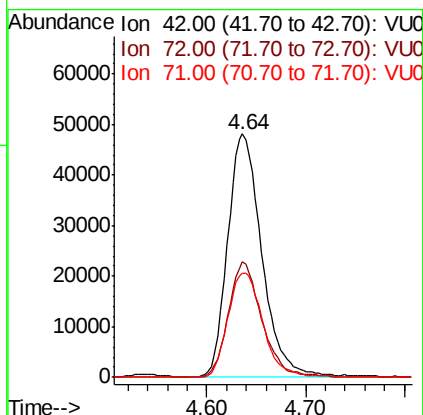
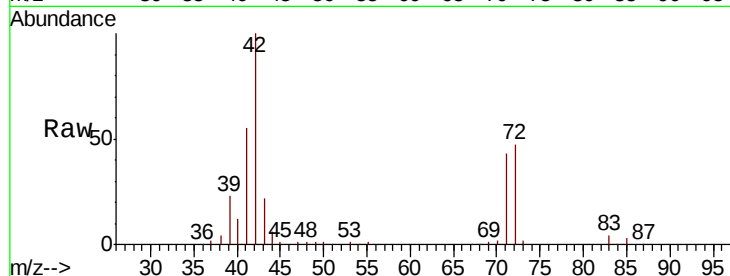




#29
Tetrahydrofuran
Concen: 104.380 ug/l
RT: 4.64 min Scan# 1077
Delta R.T. 0.00 min
Lab File: VU029146.D
Acq: 11 Jan 2019 17:05

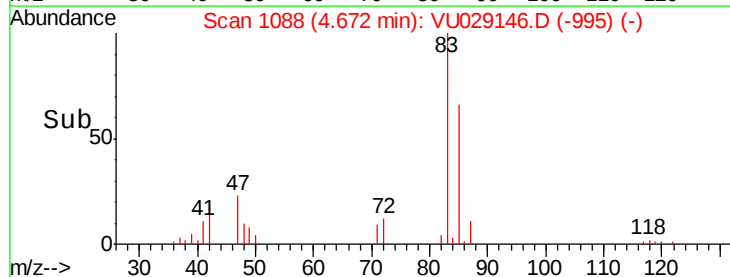
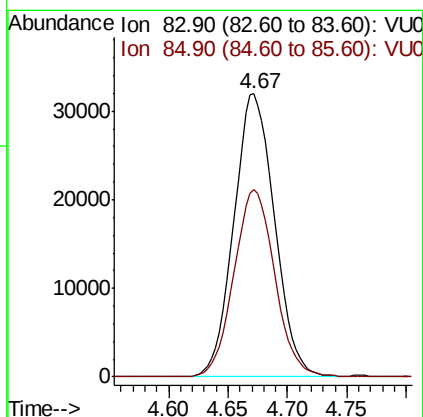
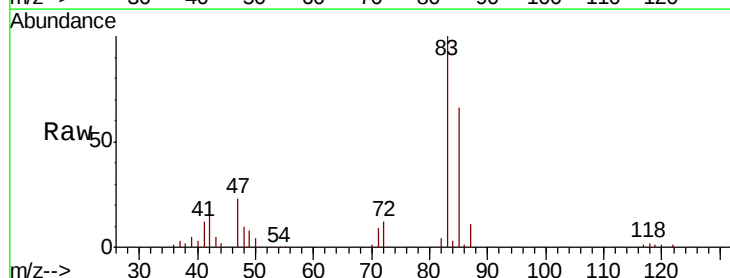
Instrument :
MSVOA_U
ClientSampleId :
VU0112WBSD01

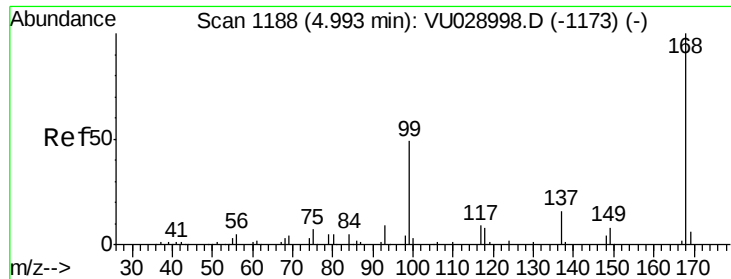
Tgt Ion: 42 Resp: 116292
Ion Ratio Lower Upper
42 100
72 46.6 38.3 57.5
71 44.1 36.1 54.1



#30
Chloroform
Concen: 21.007 ug/l
RT: 4.67 min Scan# 1088
Delta R.T. 0.00 min
Lab File: VU029146.D
Acq: 11 Jan 2019 17:05

Tgt Ion: 83 Resp: 75867
Ion Ratio Lower Upper
83 100
85 66.3 53.4 80.0

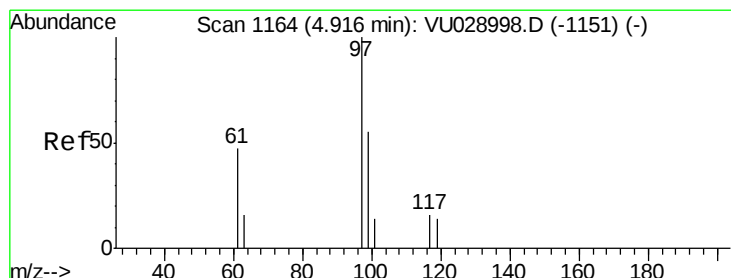
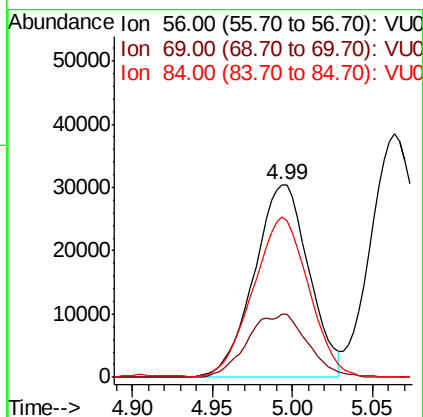
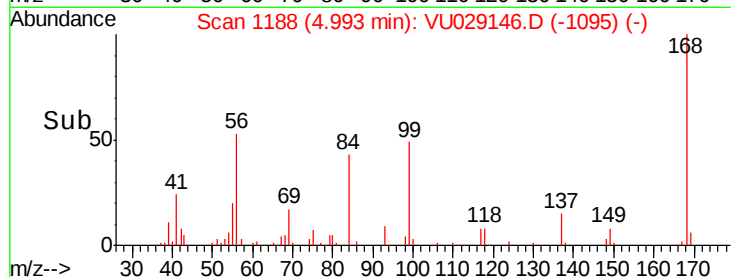
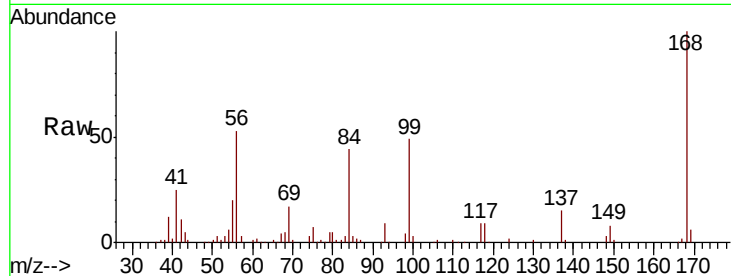




#31
Cyclohexane
Concen: 19.484 ug/l
RT: 4.99 min Scan# 1188
Delta R.T. 0.00 min
Lab File: VU029146.D
Acq: 11 Jan 2019 17:05

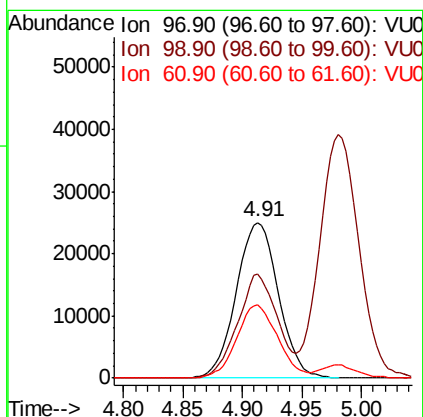
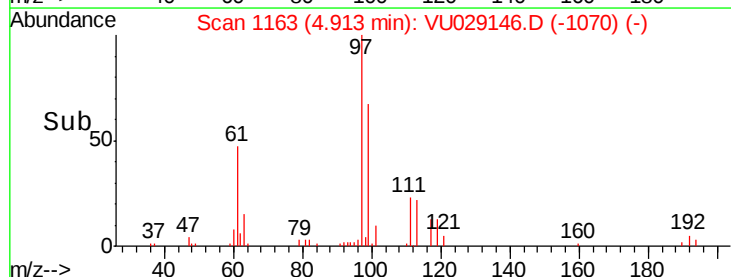
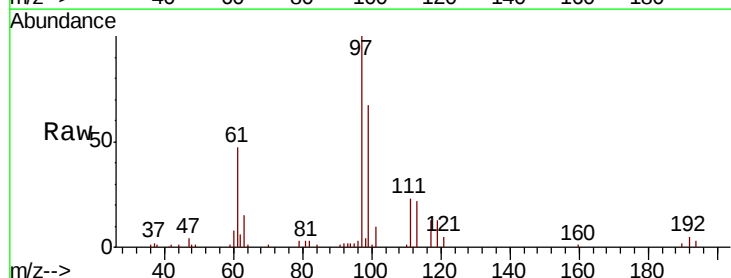
Instrument :
MSVOA_U
ClientSampleId :
VU0112WBSD01

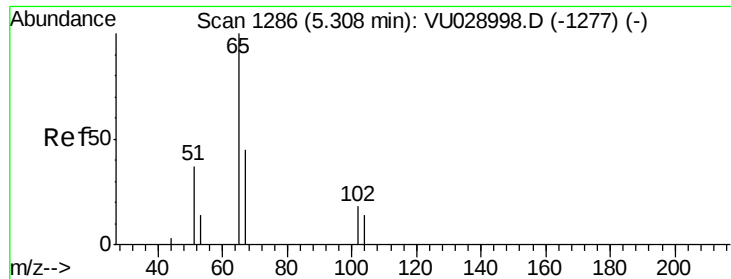
Tgt Ion: 56 Resp: 72190
Ion Ratio Lower Upper
56 100
69 32.5 26.7 40.1
84 82.8 65.7 98.5



#32
1,1,1-Trichloroethane
Concen: 20.540 ug/l
RT: 4.91 min Scan# 1163
Delta R.T. 0.00 min
Lab File: VU029146.D
Acq: 11 Jan 2019 17:05

Tgt Ion: 97 Resp: 61295
Ion Ratio Lower Upper
97 100
99 63.5 51.0 76.4
61 45.9 34.4 51.6

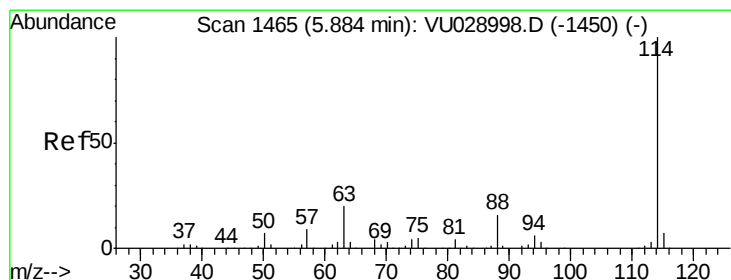
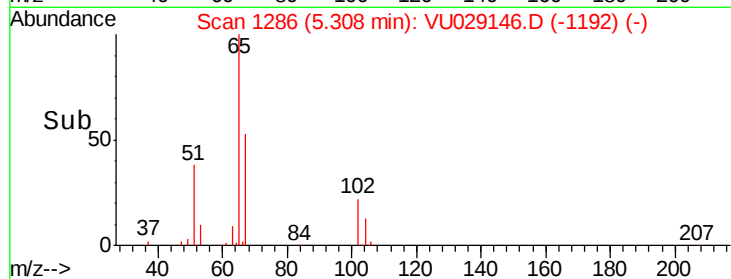
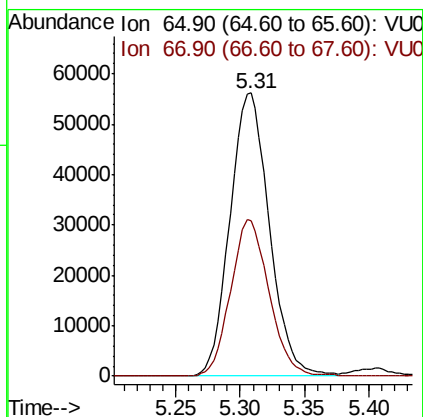
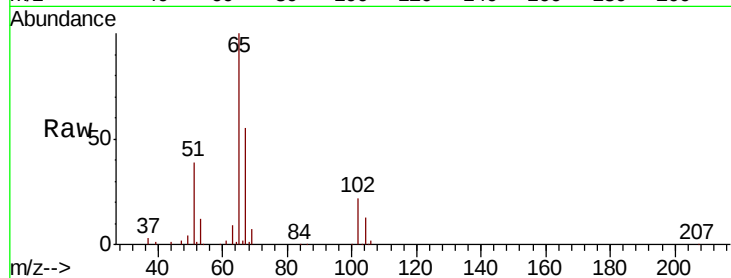




#33
 1,2-Dichloroethane-d4
 Concen: 55.172 ug/l
 RT: 5.31 min Scan# 1286
 Delta R.T. 0.00 min
 Lab File: VU029146.D
 Acq: 11 Jan 2019 17:05

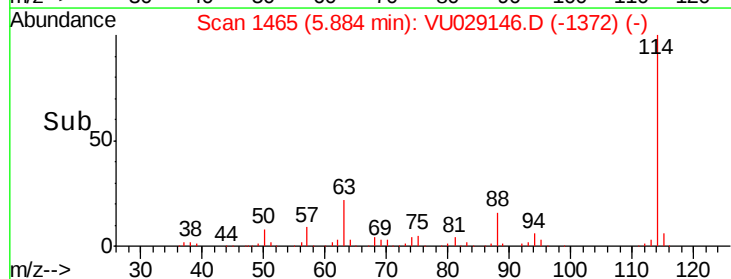
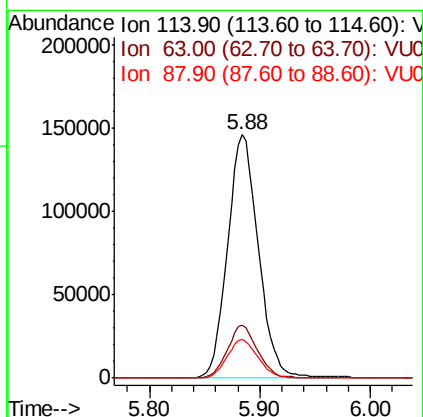
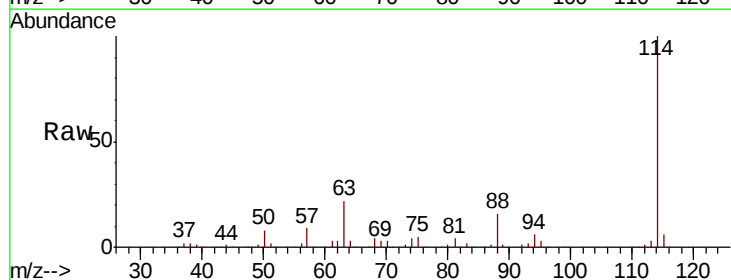
Instrument :
 MSVOA_U
 ClientSampleId :
 VU0112WBSD01

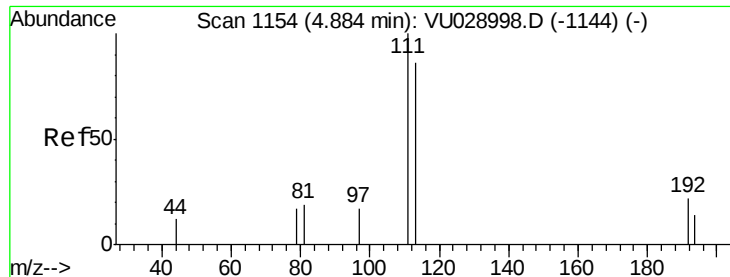
Tgt Ion: 65 Resp: 119111
 Ion Ratio Lower Upper
 65 100
 67 54.1 0.0 111.0



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 5.88 min Scan# 1465
 Delta R.T. 0.00 min
 Lab File: VU029146.D
 Acq: 11 Jan 2019 17:05

Tgt Ion: 114 Resp: 282628
 Ion Ratio Lower Upper
 114 100
 63 21.6 0.0 40.2
 88 15.8 0.0 30.4





#35

Dibromofluoromethane

Concen: 53.656 ug/l

RT: 4.88 min Scan# 1153

Delta R.T. 0.00 min

Lab File: VU029146.D

Acq: 11 Jan 2019 17:05

Instrument :

MSVOA_U

ClientSampleId :

VU0112WBSD01

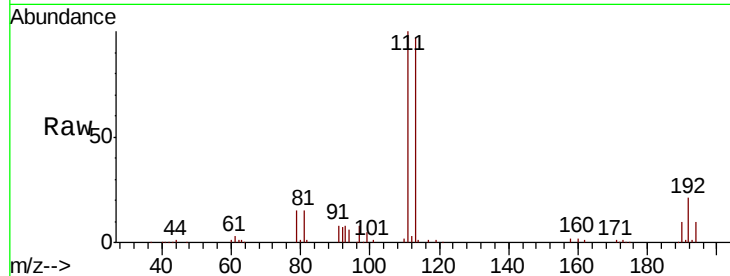
Tgt Ion:113 Resp: 98302

Ion Ratio Lower Upper

113 100

111 103.8 81.4 122.2

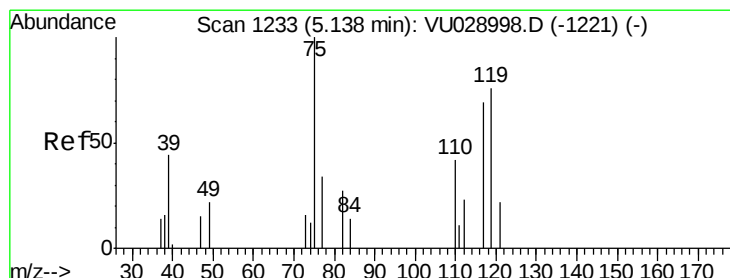
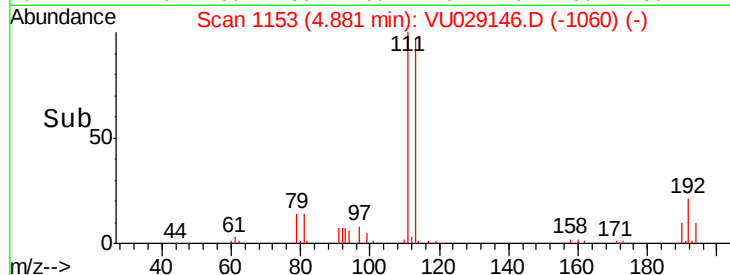
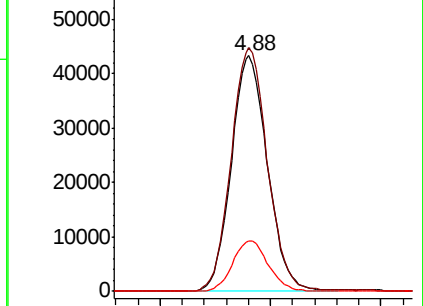
192 21.1 16.8 25.2



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: 19.787 ug/l

RT: 5.13 min Scan# 1232

Delta R.T. 0.00 min

Lab File: VU029146.D

Acq: 11 Jan 2019 17:05

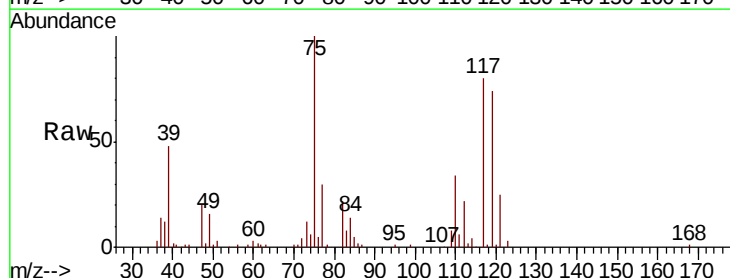
Tgt Ion: 75 Resp: 55899

Ion Ratio Lower Upper

75 100

110 35.2 18.4 55.4

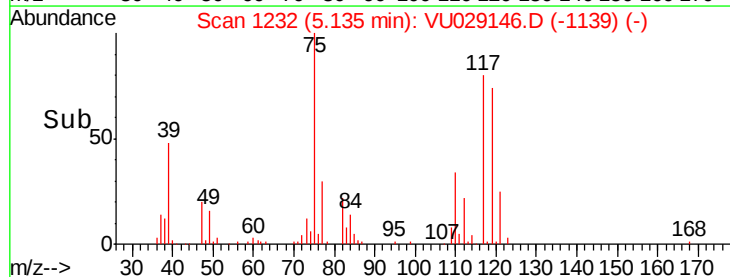
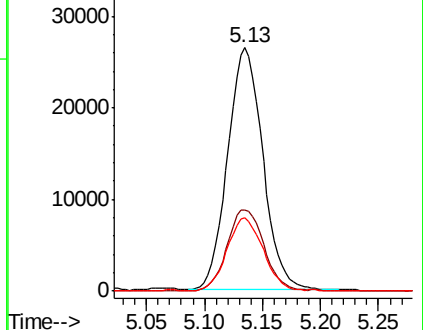
77 31.1 25.1 37.7

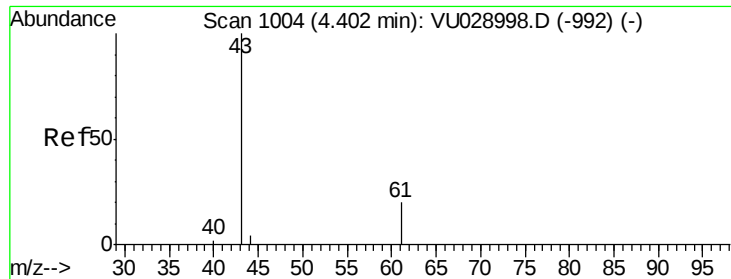


Abundance Ion 74.90 (74.60 to 75.60): VU0

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VU0

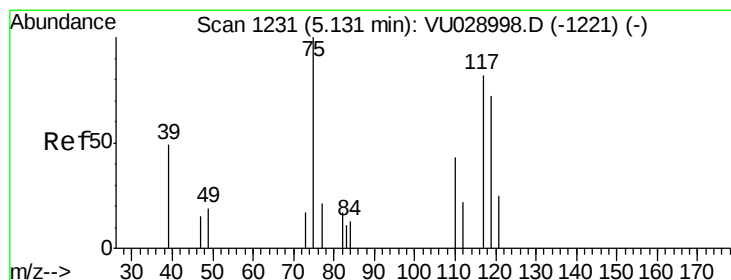
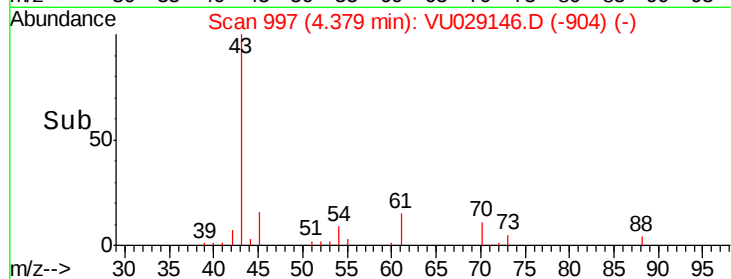
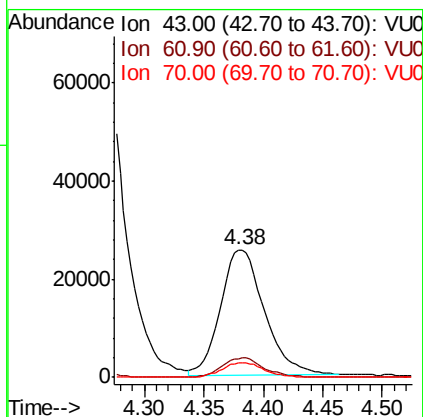
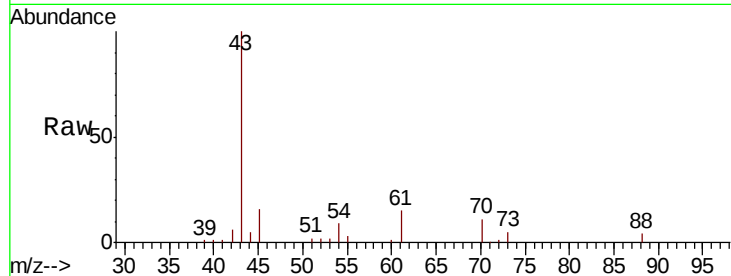




#37
Ethyl Acetate
Concen: 21.031 ug/l
RT: 4.38 min Scan# 997
Delta R.T. 0.00 min
Lab File: VU029146.D
Acq: 11 Jan 2019 17:05

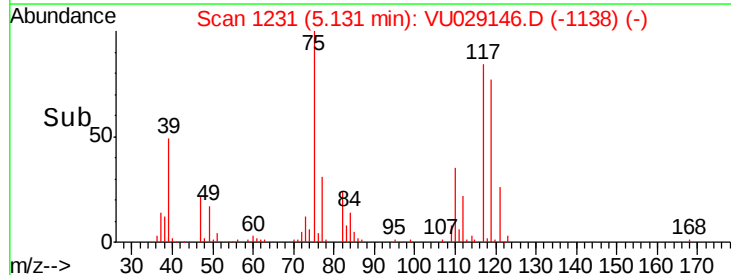
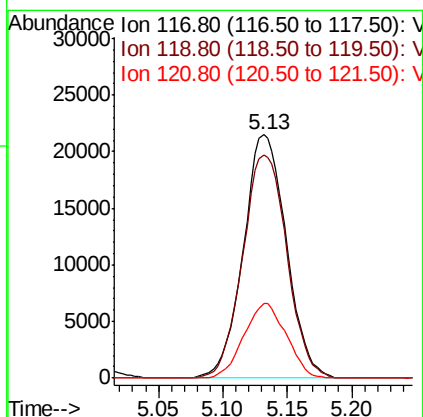
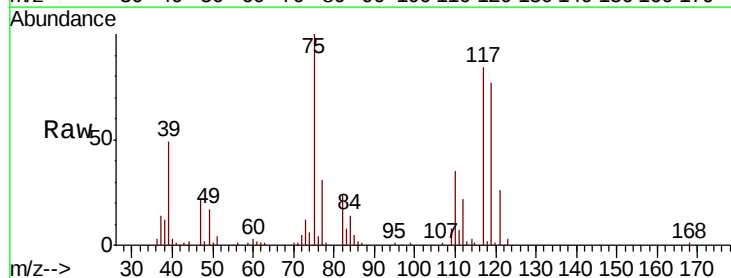
Instrument :
MSVOA_U
ClientSampleId :
VU0112WBSD01

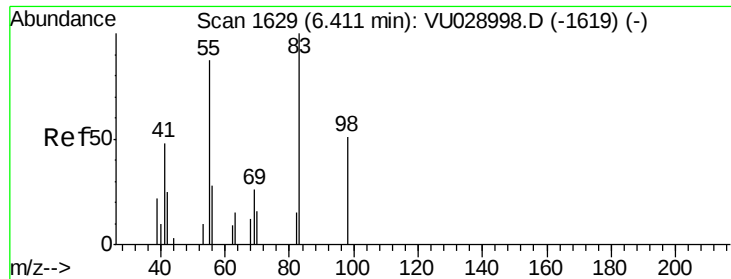
Tgt Ion: 43 Resp: 65215
Ion Ratio Lower Upper
43 100
61 15.2 12.6 18.8
70 11.3 9.3 13.9



#38
Carbon Tetrachloride
Concen: 21.223 ug/l
RT: 5.13 min Scan# 1231
Delta R.T. 0.00 min
Lab File: VU029146.D
Acq: 11 Jan 2019 17:05

Tgt Ion: 117 Resp: 50006
Ion Ratio Lower Upper
117 100
119 91.5 74.6 111.8
121 30.6 25.0 37.6

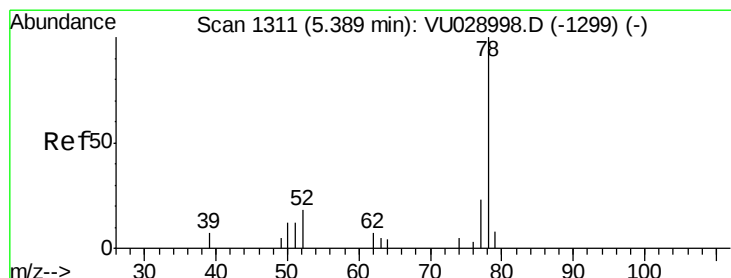
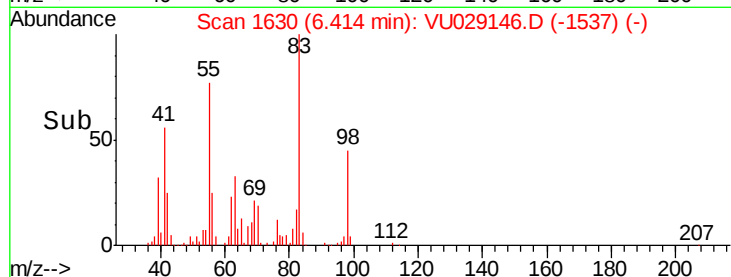
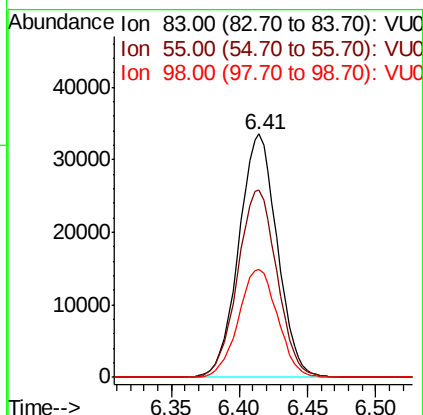
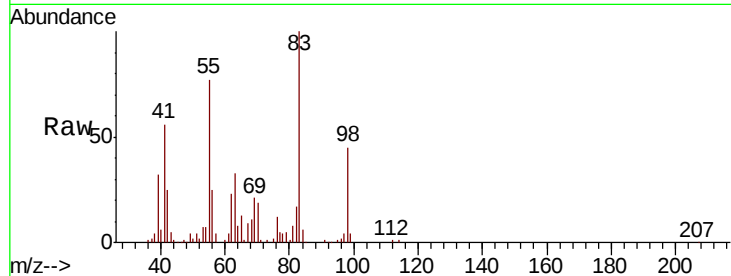




#39
Methylcyclohexane
Concen: 18.851 ug/l
RT: 6.41 min Scan# 1630
Delta R.T. 0.00 min
Lab File: VU029146.D
Acq: 11 Jan 2019 17:05

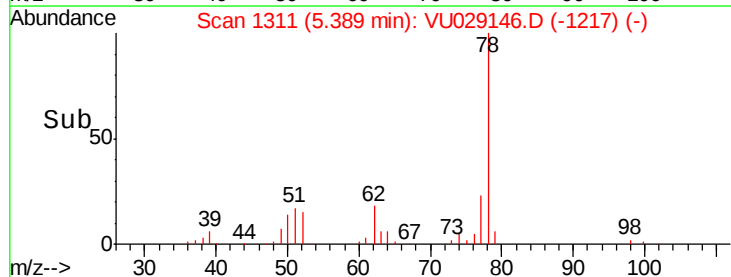
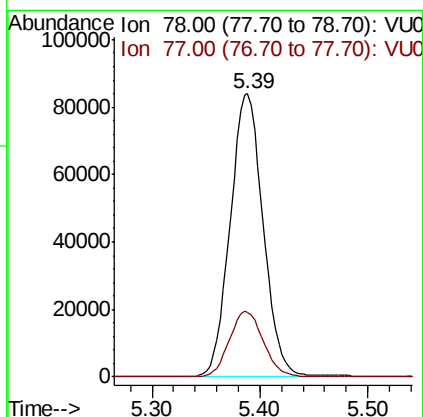
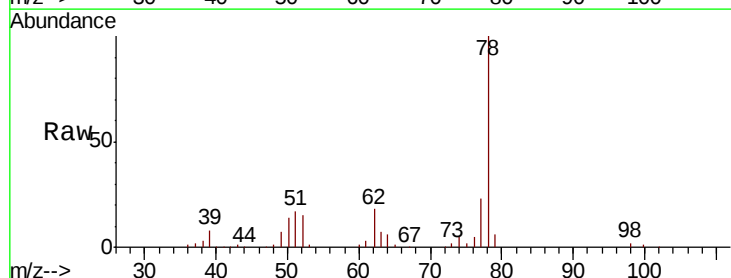
Instrument :
MSVOA_U
ClientSampleId :
VU0112WBSD01

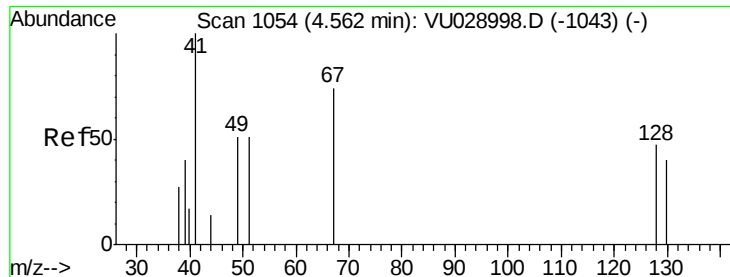
Tgt Ion: 83 Resp: 65470
Ion Ratio Lower Upper
83 100
55 77.1 62.4 93.6
98 44.5 36.2 54.2



#40
Benzene
Concen: 20.344 ug/l
RT: 5.39 min Scan# 1311
Delta R.T. 0.00 min
Lab File: VU029146.D
Acq: 11 Jan 2019 17:05

Tgt Ion: 78 Resp: 179273
Ion Ratio Lower Upper
78 100
77 22.9 18.9 28.3

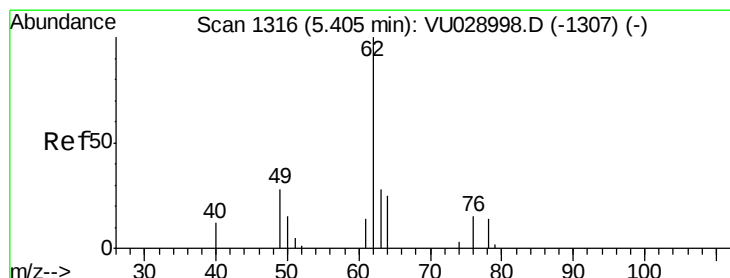
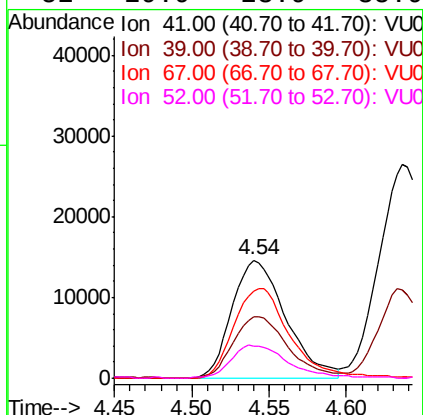
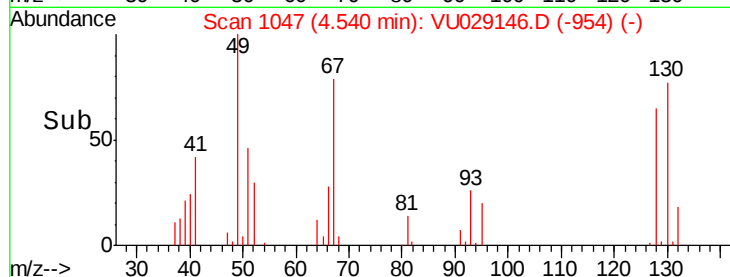
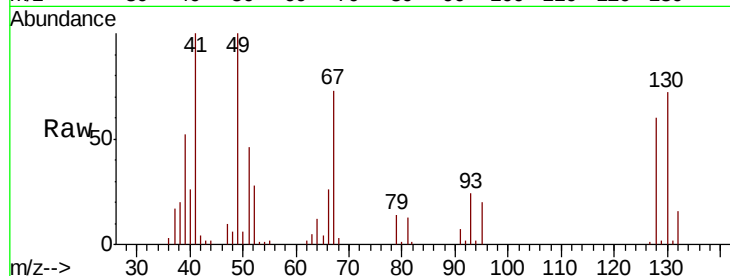




#41
Methacrylonitrile
Concen: 21.268 ug/l
RT: 4.54 min Scan# 1047
Delta R.T. 0.00 min
Lab File: VU029146.D
Acq: 11 Jan 2019 17:05

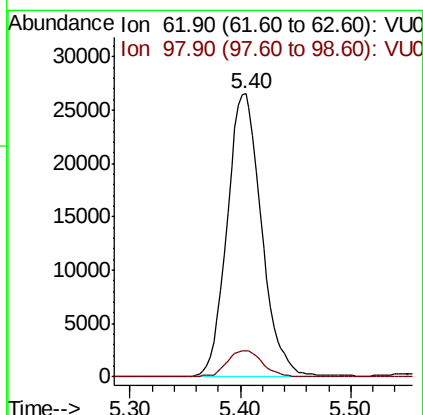
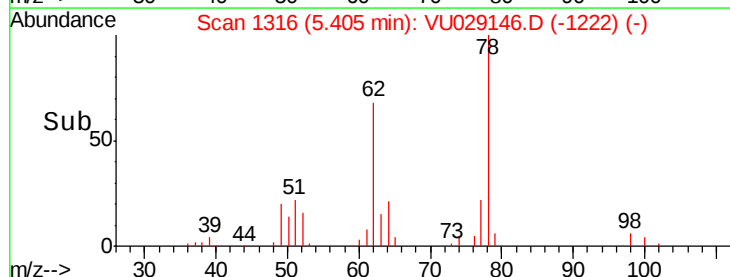
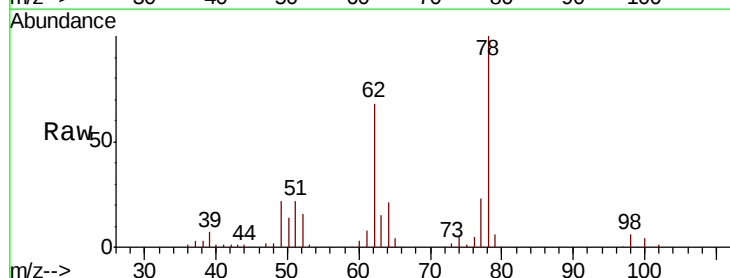
Instrument :
MSVOA_U
ClientSampleId :
VU0112WBSD01

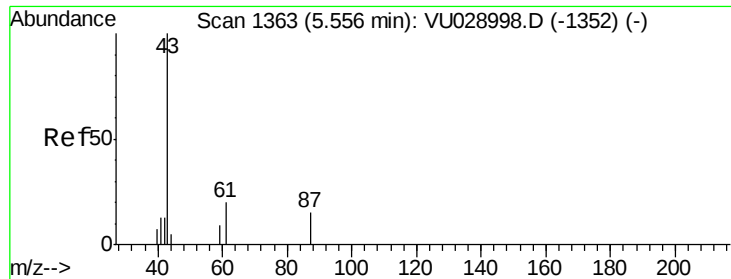
Tgt Ion:	41	Resp:	35302
Ion	Ratio	Lower	Upper
41	100		
39	53.7	42.3	63.5
67	79.7	64.4	96.6
52	29.9	23.9	35.9



#42
1,2-Dichloroethane
Concen: 21.711 ug/l
RT: 5.40 min Scan# 1316
Delta R.T. 0.00 min
Lab File: VU029146.D
Acq: 11 Jan 2019 17:05

Tgt Ion:	62	Resp:	57489
Ion	Ratio	Lower	Upper
62	100		
98	9.5	0.0	19.6





#43

Isopropyl Acetate

Concen: 21.001 ug/l

RT: 5.55 min Scan# 1360

Delta R.T. 0.00 min

Lab File: VU029146.D

Acq: 11 Jan 2019 17:05

Instrument :

MSVOA_U

ClientSampleId :

VU0112WBSD01

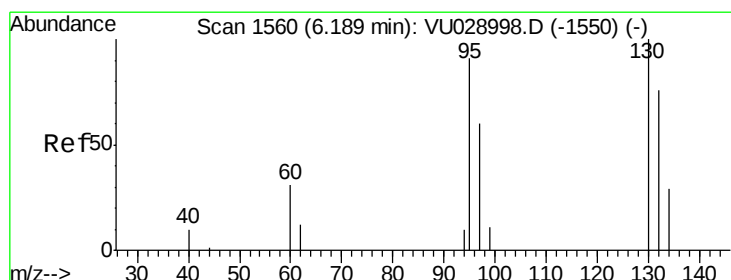
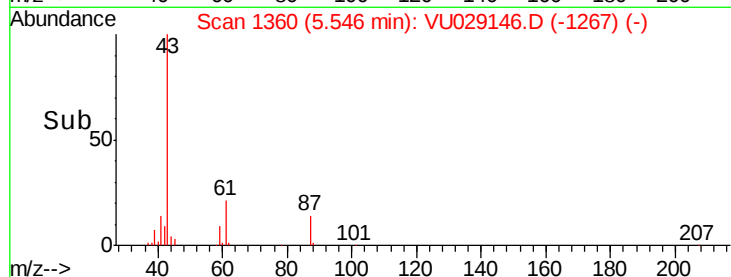
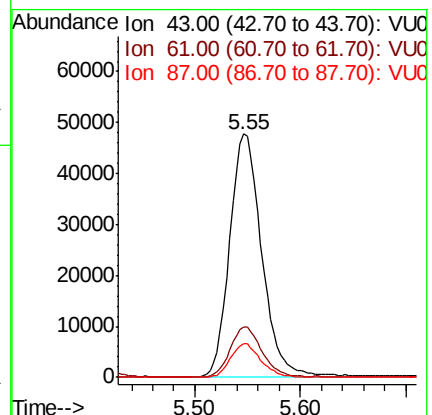
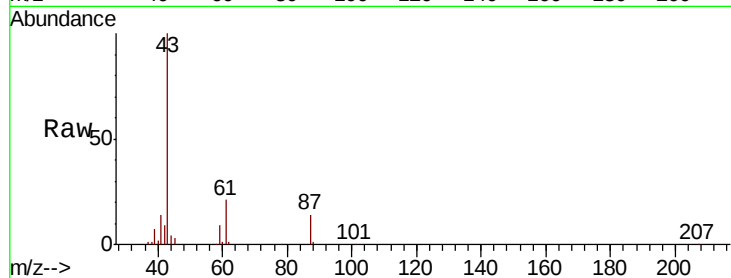
Tgt Ion: 43 Resp: 99895

Ion Ratio Lower Upper

43 100

61 20.8 17.8 26.6

87 13.2 11.3 16.9



#44

Trichloroethene

Concen: 19.588 ug/l

RT: 6.18 min Scan# 1558

Delta R.T. 0.00 min

Lab File: VU029146.D

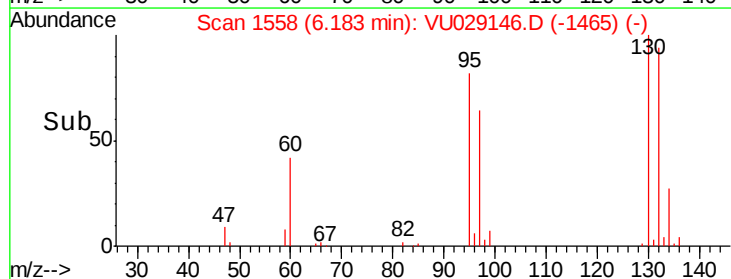
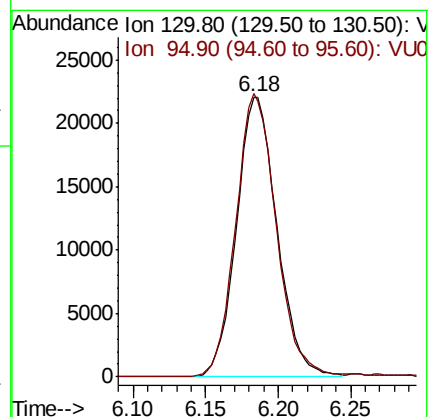
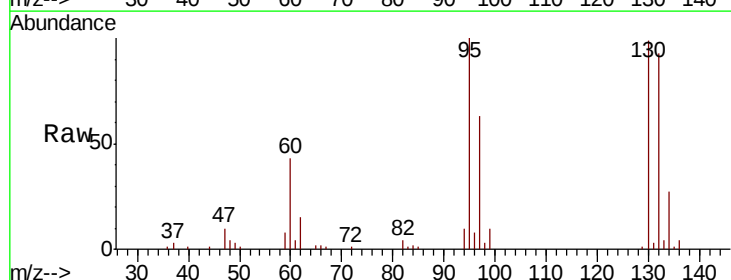
Acq: 11 Jan 2019 17:05

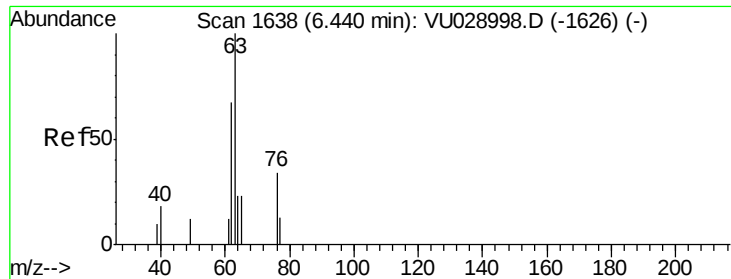
Tgt Ion: 130 Resp: 42768

Ion Ratio Lower Upper

130 100

95 101.2 0.0 205.0





#45

1,2-Dichloropropane

Concen: 20.666 ug/l

RT: 6.43 min Scan# 1635

Delta R.T. 0.00 min

Lab File: VU029146.D

Acq: 11 Jan 2019 17:05

Instrument :

MSVOA_U

ClientSampleId :

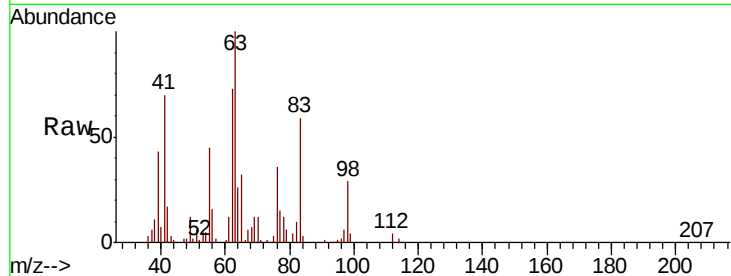
VU0112WBSD01

Tgt Ion: 63 Resp: 48090

Ion Ratio Lower Upper

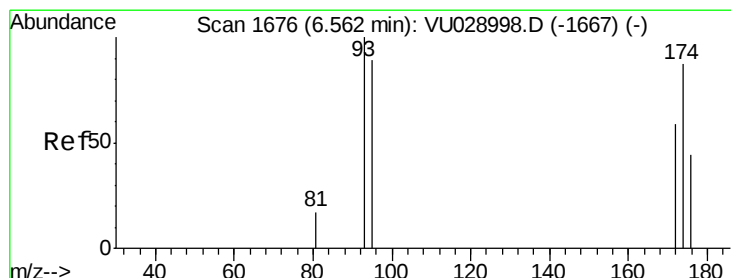
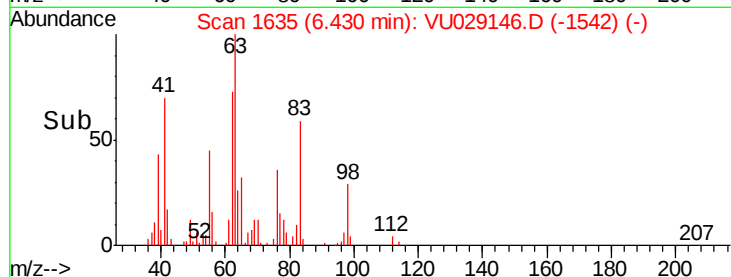
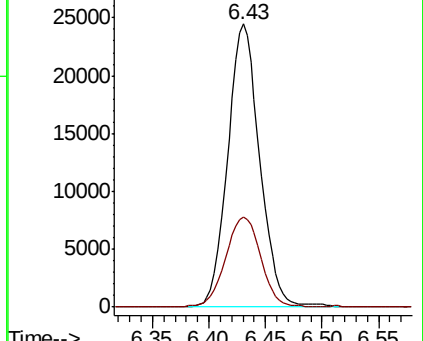
63 100

65 31.3 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: 20.947 ug/l

RT: 6.56 min Scan# 1675

Delta R.T. 0.00 min

Lab File: VU029146.D

Acq: 11 Jan 2019 17:05

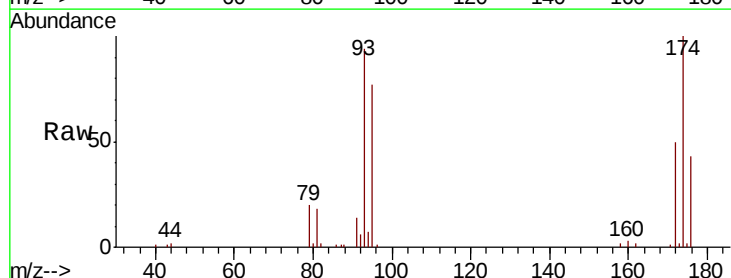
Tgt Ion: 93 Resp: 31161

Ion Ratio Lower Upper

93 100

95 86.0 67.2 100.8

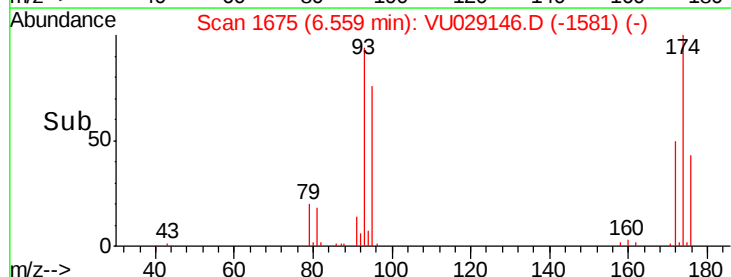
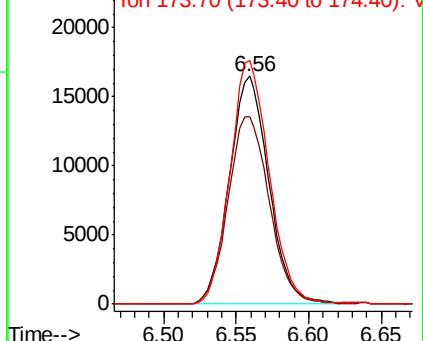
174 105.8 82.6 123.8

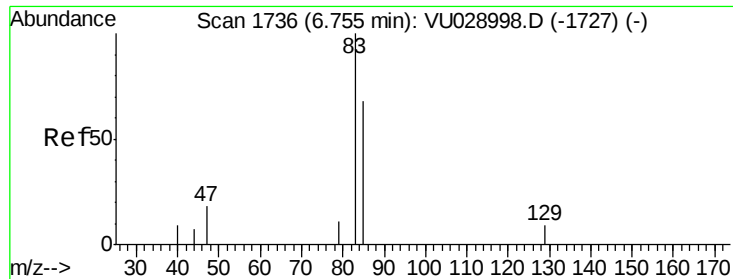


Abundance Ion 92.80 (92.50 to 93.50): VU028998.D (-1667) (-)

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: 21.295 ug/l

RT: 6.76 min Scan# 1736

Delta R.T. 0.00 min

Lab File: VU029146.D

Acq: 11 Jan 2019 17:05

Instrument :

MSVOA_U

ClientSampleId :

VU0112WBSD01

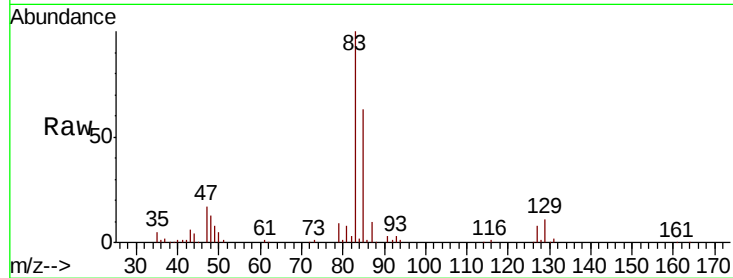
Tgt Ion: 83 Resp: 58325

Ion Ratio Lower Upper

83 100

85 62.9 51.4 77.2

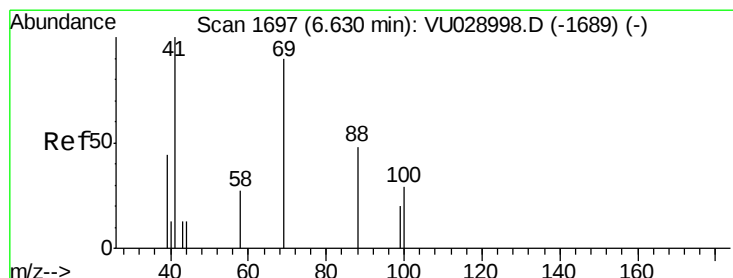
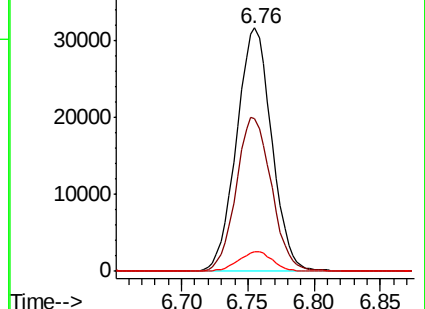
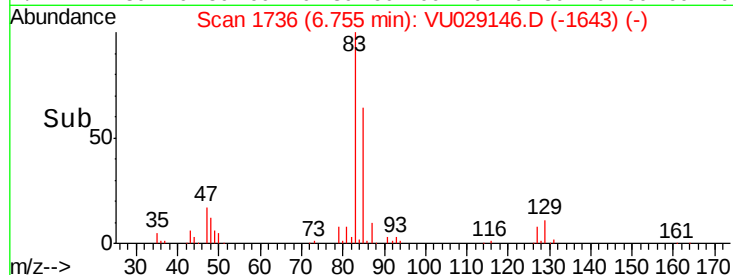
127 8.1 7.0 10.4



Abundance Ion 82.90 (82.60 to 83.60): VU028998.D (-1727) (-)

Ion 84.90 (84.60 to 85.60): VU028998.D (-1727) (-)

Ion 126.80 (126.50 to 127.50): VU028998.D (-1727) (-)



#48

Methyl methacrylate

Concen: 20.956 ug/l

RT: 6.62 min Scan# 1694

Delta R.T. 0.00 min

Lab File: VU029146.D

Acq: 11 Jan 2019 17:05

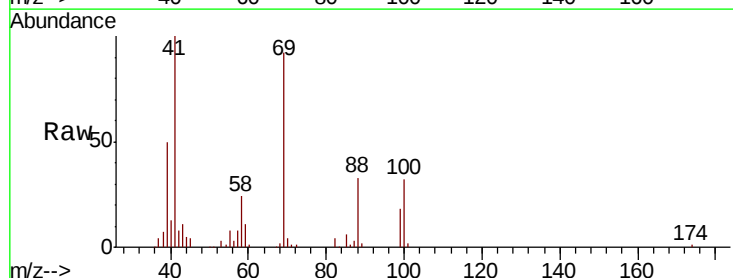
Tgt Ion: 41 Resp: 48537

Ion Ratio Lower Upper

41 100

69 93.0 73.6 110.4

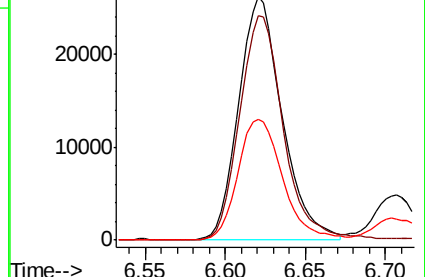
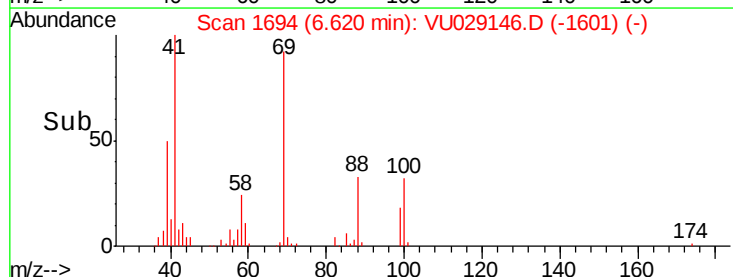
39 51.0 39.6 59.4

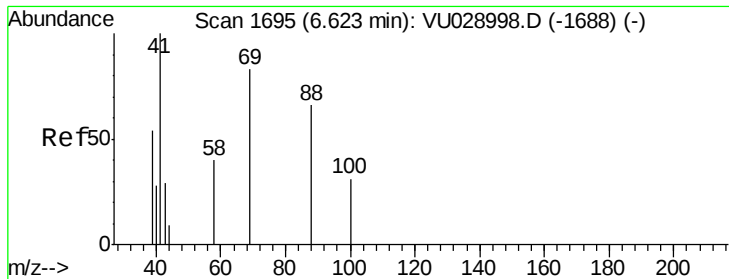


Abundance Ion 41.00 (40.70 to 41.70): VU028998.D (-1689) (-)

Ion 69.00 (68.70 to 69.70): VU028998.D (-1689) (-)

Ion 39.00 (38.70 to 39.70): VU028998.D (-1689) (-)

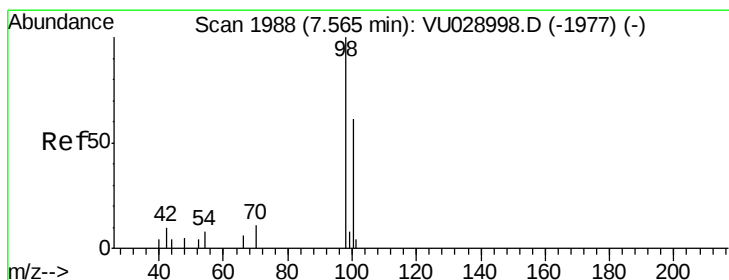
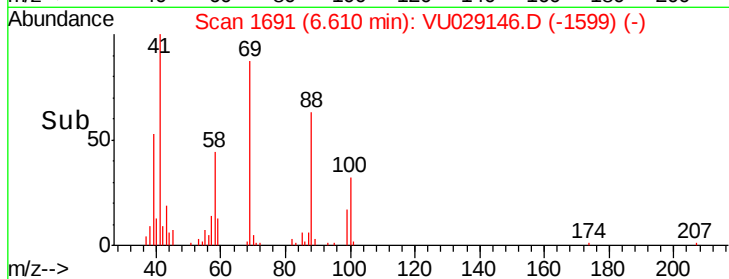
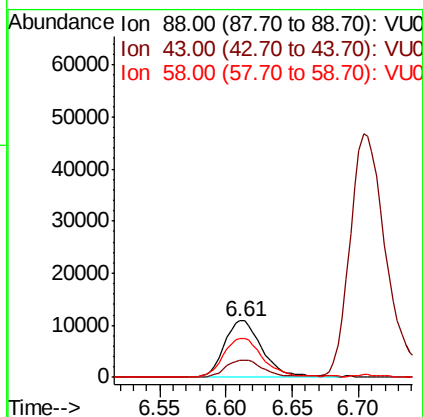
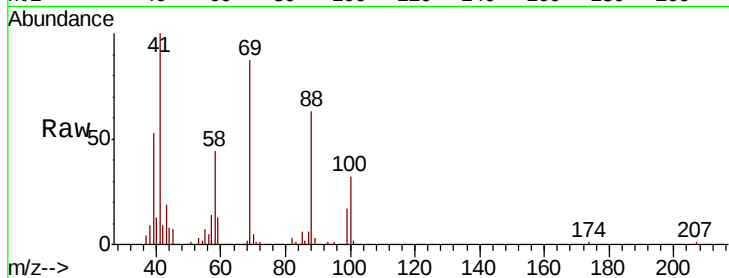




#49
1,4-Dioxane
Concen: 396.339 ug/l
RT: 6.61 min Scan# 1691
Delta R.T. -0.00 min
Lab File: VU029146.D
Acq: 11 Jan 2019 17:05

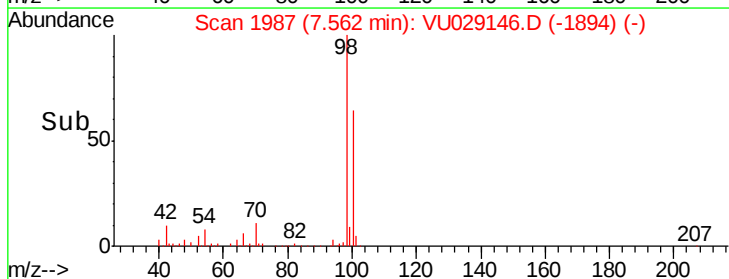
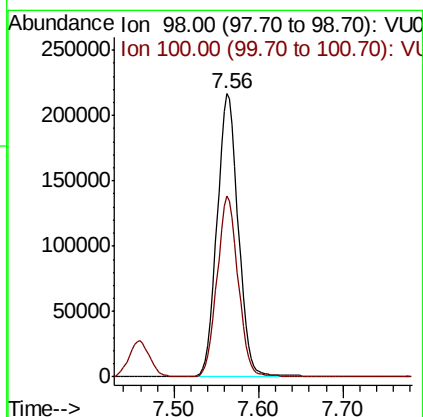
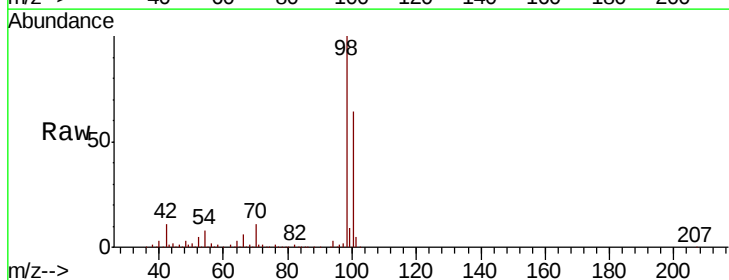
Instrument :
MSVOA_U
ClientSampleId :
VU0112WBSD01

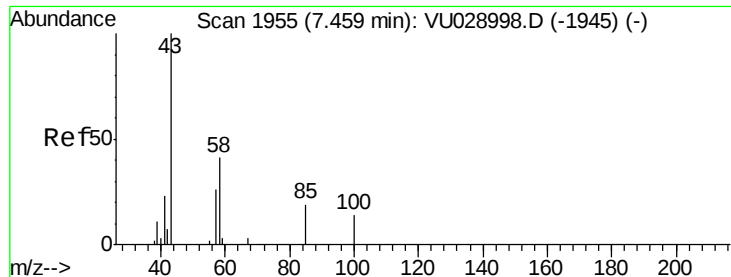
Tgt Ion: 88 Resp: 21755
Ion Ratio Lower Upper
88 100
43 30.3 23.0 34.4
58 71.1 57.9 86.9



#50
Toluene-d8
Concen: 52.542 ug/l
RT: 7.56 min Scan# 1987
Delta R.T. 0.00 min
Lab File: VU029146.D
Acq: 11 Jan 2019 17:05

Tgt Ion: 98 Resp: 380023
Ion Ratio Lower Upper
98 100
100 63.0 51.6 77.4





#51

4-Methyl-2-Pentanone

Concen: 105.385 ug/l

RT: 7.46 min Scan# 1954

Delta R.T. -0.00 min

Lab File: VU029146.D

Acq: 11 Jan 2019 17:05

Instrument :

MSVOA_U

ClientSampleId :

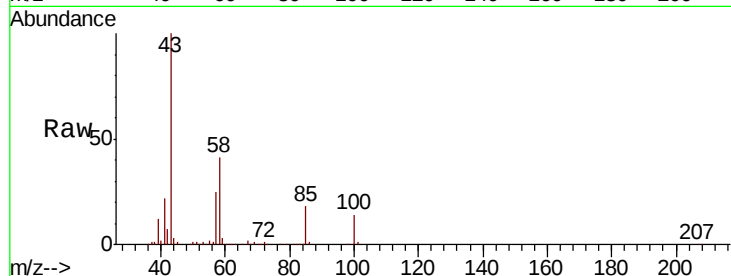
VU0112WBSD01

Tgt Ion: 43 Resp: 341157

Ion Ratio Lower Upper

43 100

58 41.2 33.9 50.9



Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 58.00 (57.70 to 58.70): VU0

7.46

200000

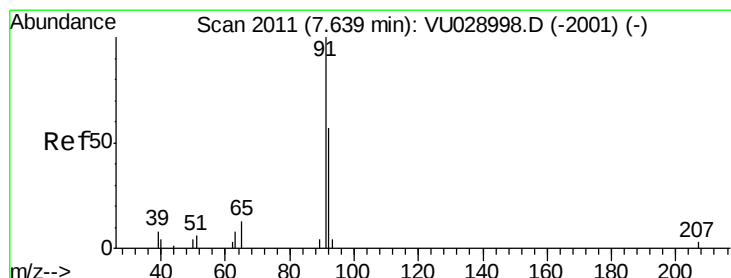
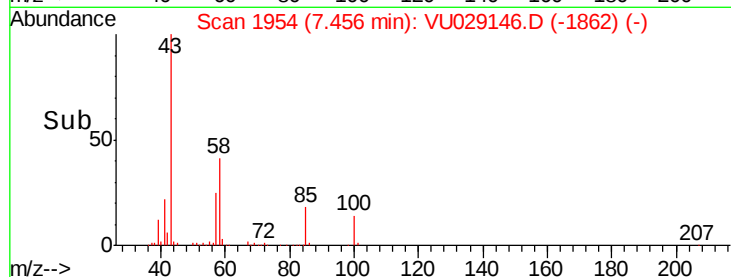
150000

100000

50000

0

Time-->



#52

Toluene

Concen: 20.187 ug/l

RT: 7.64 min Scan# 2010

Delta R.T. 0.00 min

Lab File: VU029146.D

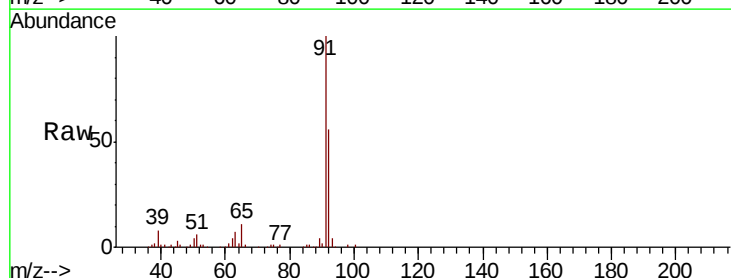
Acq: 11 Jan 2019 17:05

Tgt Ion: 92 Resp: 108293

Ion Ratio Lower Upper

92 100

91 176.4 139.8 209.8



Abundance Ion 92.00 (91.70 to 92.70): VU0

Ion 91.00 (90.70 to 91.70): VU0

7.64

120000

100000

80000

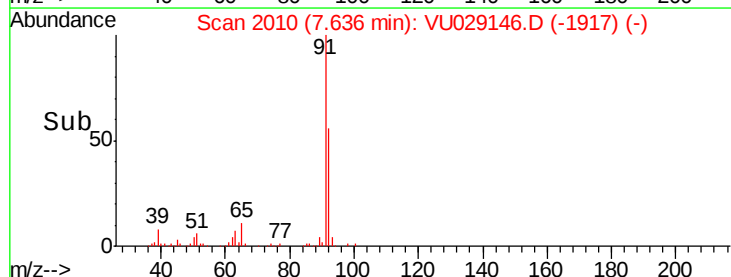
60000

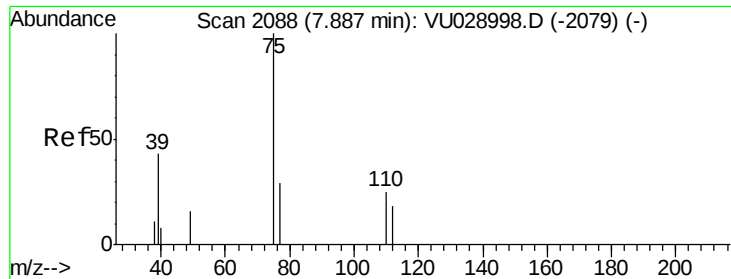
40000

20000

0

Time-->





#53

t-1,3-Dichloropropene

Concen: 19.780 ug/l

RT: 7.88 min Scan# 2085

Delta R.T. 0.00 min

Lab File: VU029146.D

Acq: 11 Jan 2019 17:05

Instrument :

MSVOA_U

ClientSampleId :

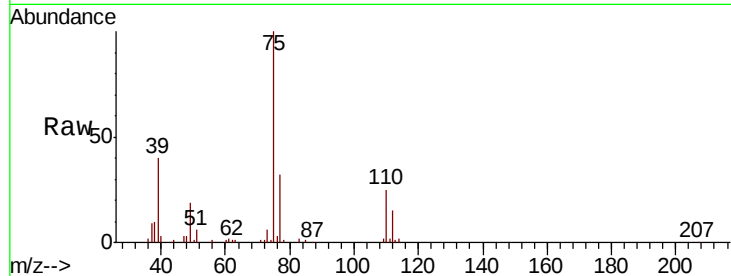
VU0112WBSD01

Tgt Ion: 75 Resp: 65079

Ion Ratio Lower Upper

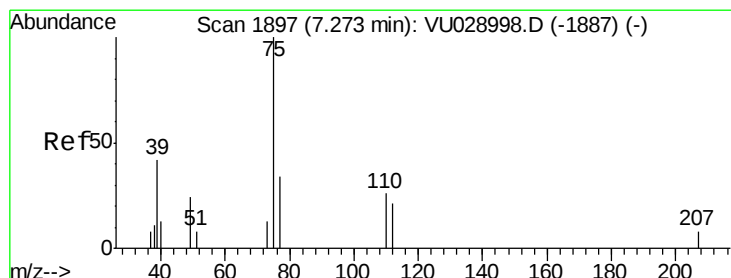
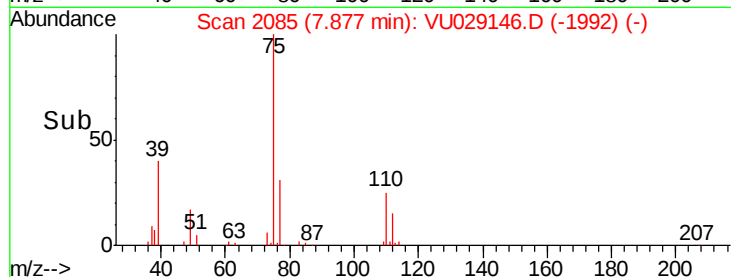
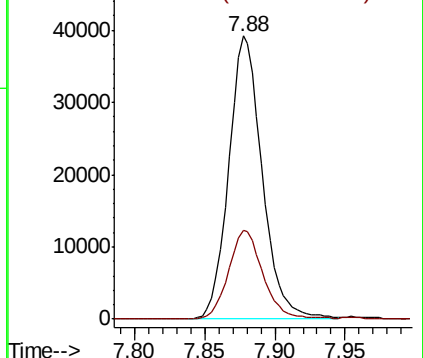
75 100

77 31.6 25.0 37.4



Abundance Ion 74.90 (74.60 to 75.60): VU0

Ion 76.90 (76.60 to 77.60): VU0



#54

cis-1,3-Dichloropropene

Concen: 20.186 ug/l

RT: 7.27 min Scan# 1895

Delta R.T. 0.00 min

Lab File: VU029146.D

Acq: 11 Jan 2019 17:05

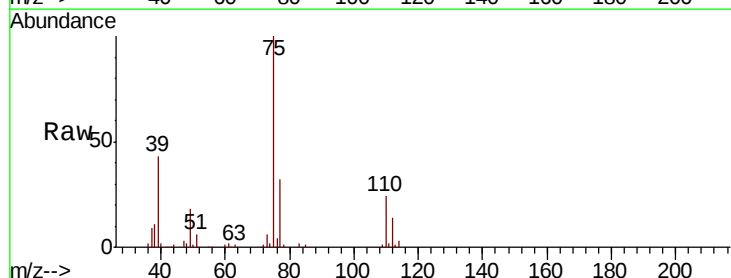
Tgt Ion: 75 Resp: 71766

Ion Ratio Lower Upper

75 100

77 31.9 25.0 37.6

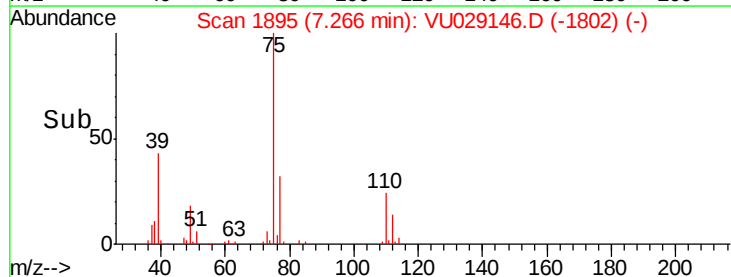
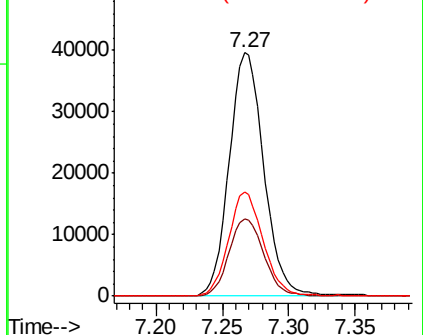
39 42.8 32.2 48.4

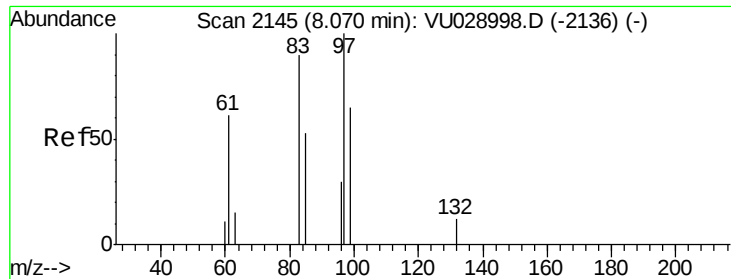


Abundance Ion 74.90 (74.60 to 75.60): VU0

Ion 76.90 (76.60 to 77.60): VU0

Ion 39.00 (38.70 to 39.70): VU0

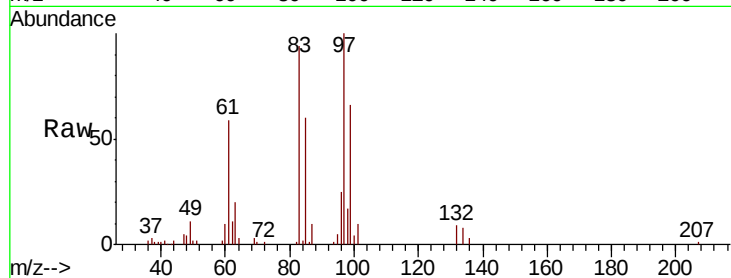




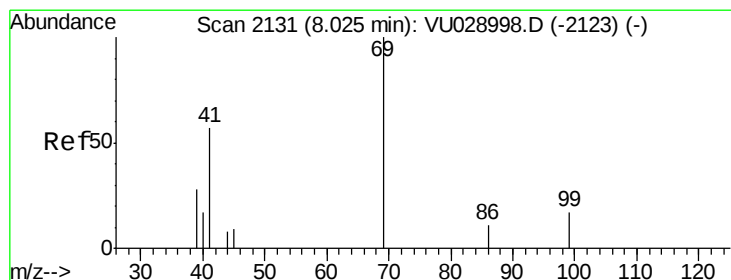
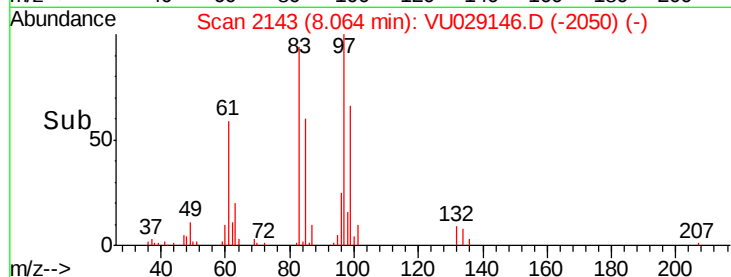
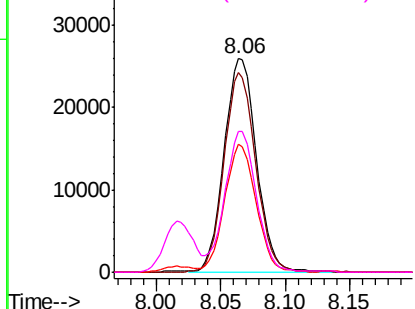
#55
 1,1,2-Trichloroethane
 Concen: 21.055 ug/l
 RT: 8.06 min Scan# 2143
 Delta R.T. 0.00 min
 Lab File: VU029146.D
 Acq: 11 Jan 2019 17:05

Instrument :
 MSVOA_U
 ClientSampleId :
 VU0112WBSD01

Tgt Ion: 97 Resp: 45250
 Ion Ratio Lower Upper
 97 100
 83 93.6 69.8 104.8
 85 59.3 47.3 70.9
 99 66.0 49.7 74.5

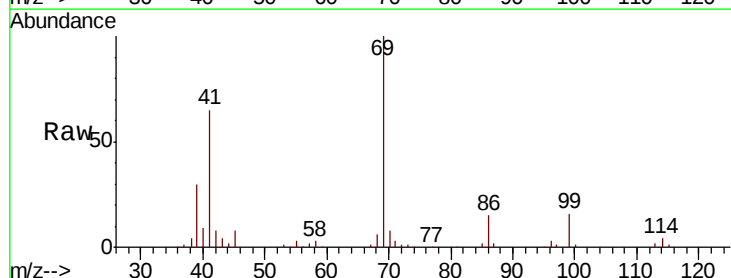


Abundance Ion 96.90 (96.60 to 97.60): VU0
 Ion 82.90 (82.60 to 83.60): VU0
 Ion 84.90 (84.60 to 85.60): VU0
 Ion 98.90 (98.60 to 99.60): VU0

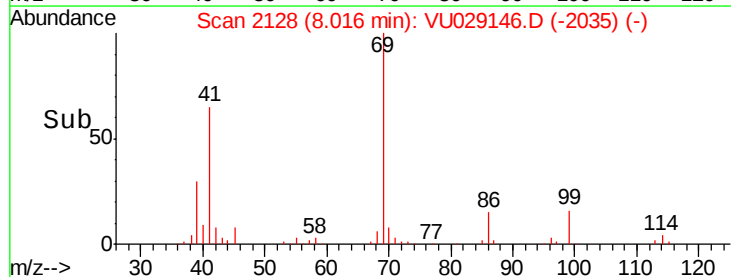
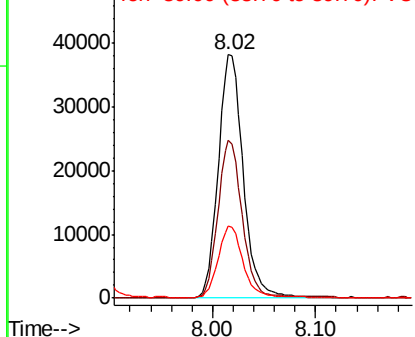


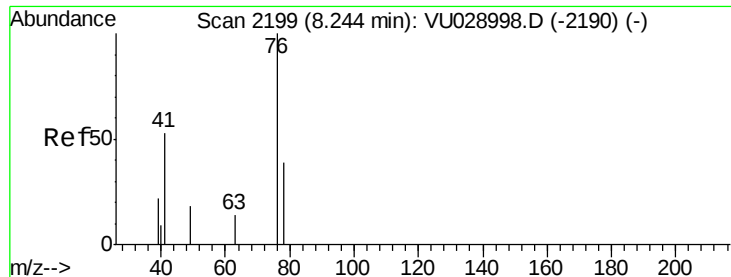
#56
 Ethyl methacrylate
 Concen: 19.505 ug/l
 RT: 8.02 min Scan# 2128
 Delta R.T. 0.00 min
 Lab File: VU029146.D
 Acq: 11 Jan 2019 17:05

Tgt Ion: 69 Resp: 64580
 Ion Ratio Lower Upper
 69 100
 41 62.6 47.5 71.3
 39 29.2 22.5 33.7



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





#57

1,3-Dichloropropane

Concen: 20.853 ug/l

RT: 8.24 min Scan# 2198

Delta R.T. 0.00 min

Lab File: VU029146.D

Acq: 11 Jan 2019 17:05

Instrument :

MSVOA_U

ClientSampleId :

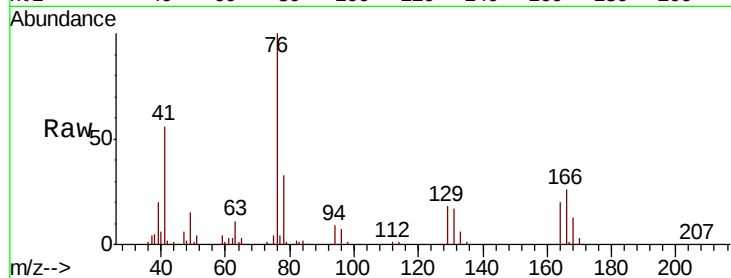
VU0112WBSD01

Tgt Ion: 76 Resp: 76685

Ion Ratio Lower Upper

76 100

78 32.4 26.0 39.0



Abundance Ion 75.90 (75.60 to 76.60): VU0

Ion 77.90 (77.60 to 78.60): VU0

8.24

50000

40000

30000

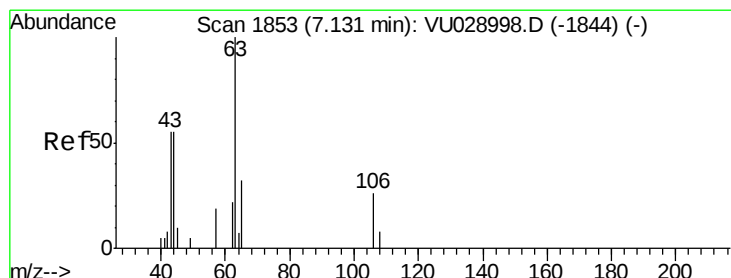
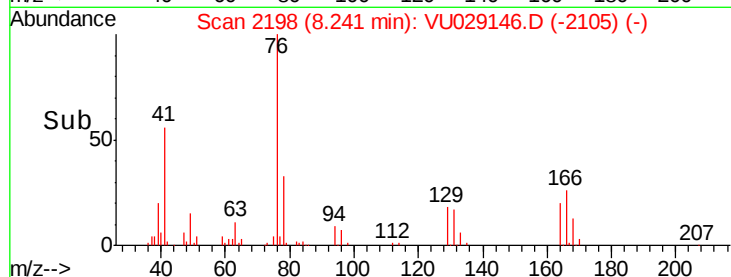
20000

10000

0

8.15 8.20 8.25 8.30 8.35

Time-->



#58

2-Chloroethyl Vinyl ether

Concen: 98.214 ug/l

RT: 7.12 min Scan# 1851

Delta R.T. 0.00 min

Lab File: VU029146.D

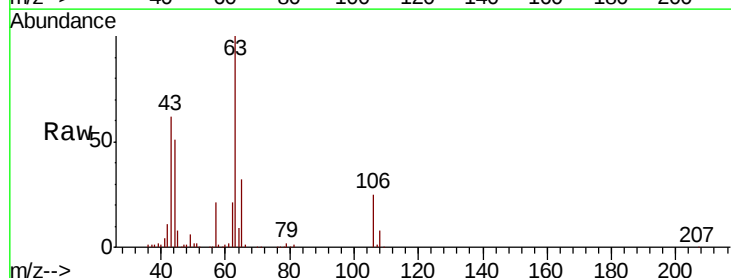
Acq: 11 Jan 2019 17:05

Tgt Ion: 63 Resp: 143006

Ion Ratio Lower Upper

63 100

106 24.8 20.6 31.0



Abundance Ion 62.90 (62.60 to 63.60): VU0

Ion 105.90 (105.60 to 106.60): V

100000

80000

60000

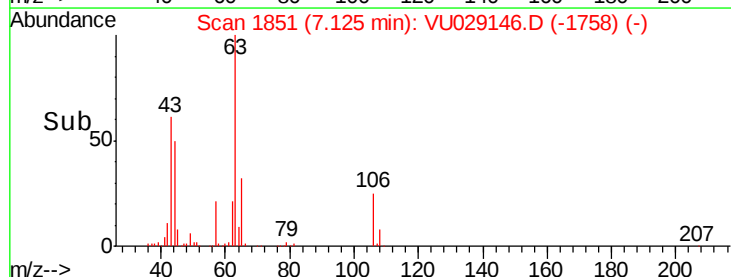
40000

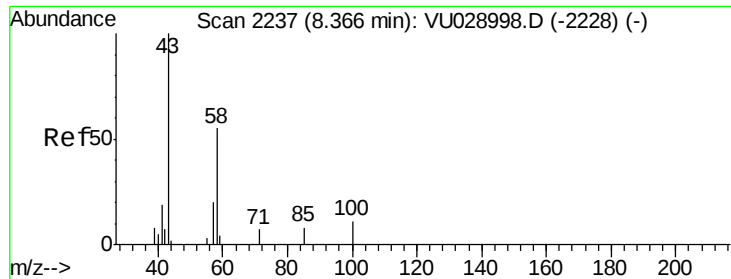
20000

0

7.05 7.10 7.15 7.20 7.25

Time-->

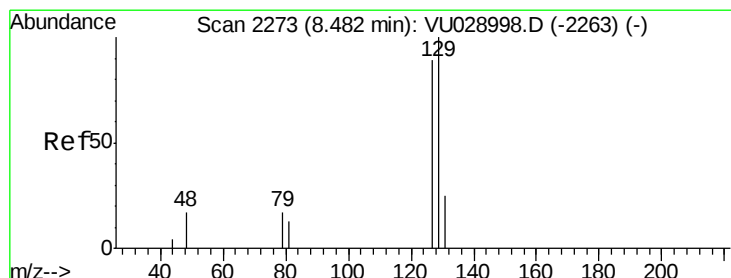
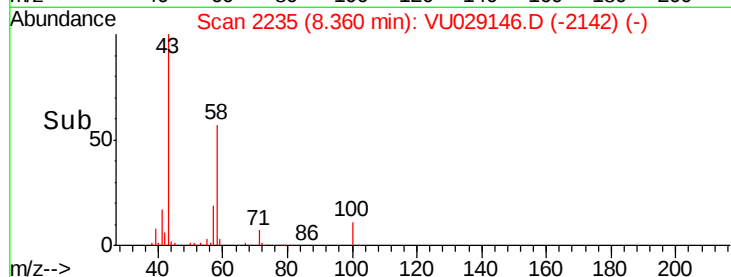
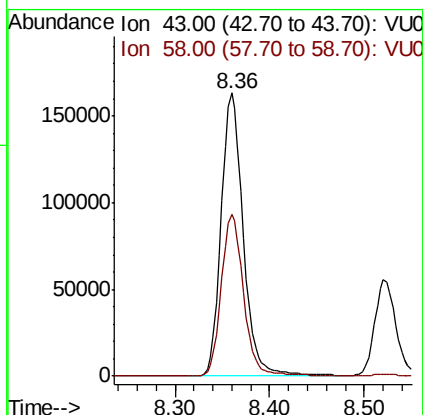
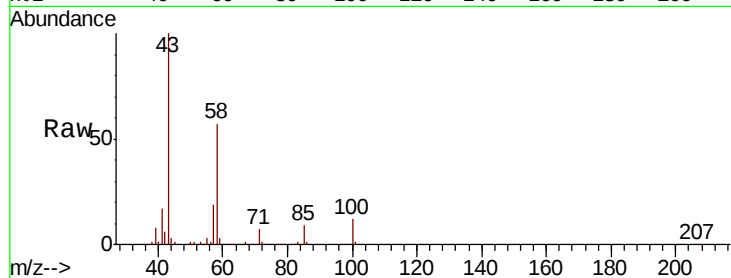




#59
2-Hexanone
Concen: 104.636 ug/l
RT: 8.36 min Scan# 2235
Delta R.T. 0.00 min
Lab File: VU029146.D
Acq: 11 Jan 2019 17:05

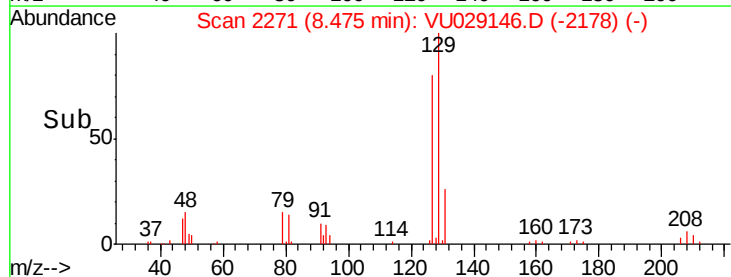
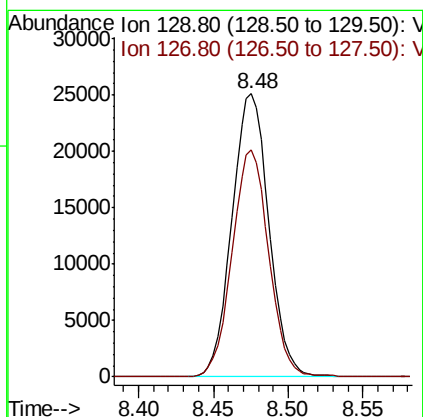
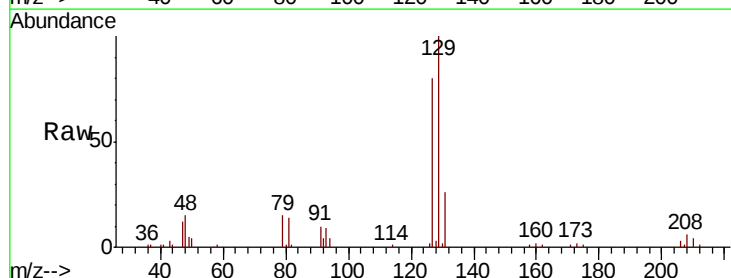
Instrument :
MSVOA_U
ClientSampleId :
VU0112WBSD01

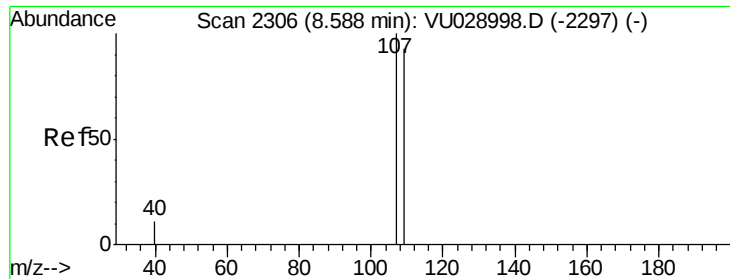
Tgt Ion: 43 Resp: 265893
Ion Ratio Lower Upper
43 100
58 57.7 29.8 89.4



#60
Dibromochloromethane
Concen: 20.216 ug/l
RT: 8.48 min Scan# 2271
Delta R.T. 0.00 min
Lab File: VU029146.D
Acq: 11 Jan 2019 17:05

Tgt Ion: 129 Resp: 43043
Ion Ratio Lower Upper
129 100
127 79.5 38.0 114.0





#61

1,2-Dibromoethane

Concen: 20.506 ug/l

RT: 8.58 min Scan# 2305

Delta R.T. 0.00 min

Lab File: VU029146.D

Acq: 11 Jan 2019 17:05

Instrument :

MSVOA_U

ClientSampleId :

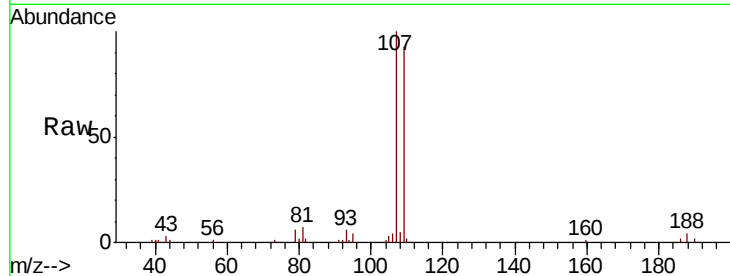
VU0112WBSD01

Tgt Ion:107 Resp: 47795

Ion Ratio Lower Upper

107 100

109 93.3 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

30000

25000

20000

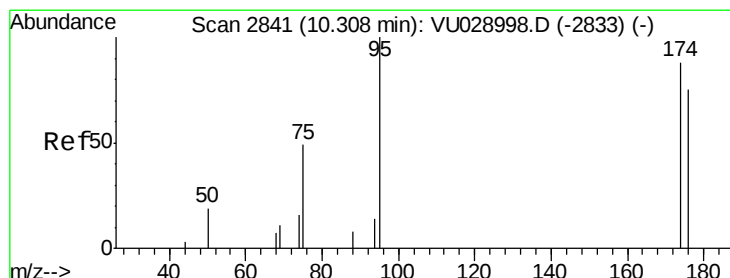
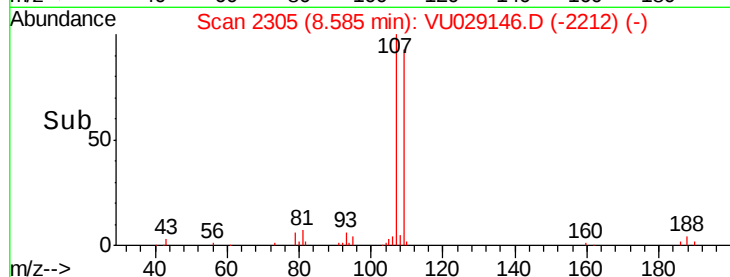
15000

10000

5000

0

Time--> 8.50 8.55 8.60 8.65



#62

4-Bromofluorobenzene

Concen: 49.980 ug/l

RT: 10.30 min Scan# 2840

Delta R.T. 0.00 min

Lab File: VU029146.D

Acq: 11 Jan 2019 17:05

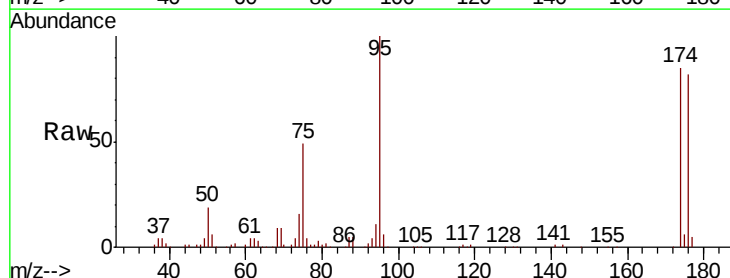
Tgt Ion: 95 Resp: 129916

Ion Ratio Lower Upper

95 100

174 84.2 0.0 170.6

176 79.9 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

100000

80000

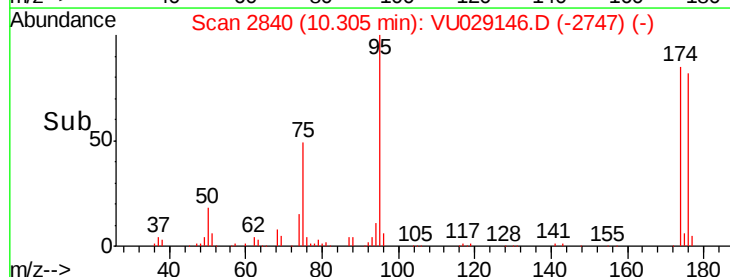
60000

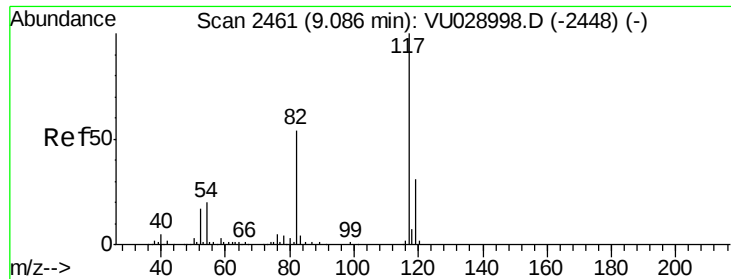
40000

20000

0

Time--> 10.30 10.40

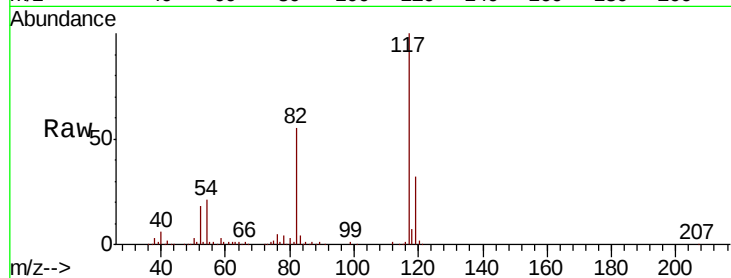




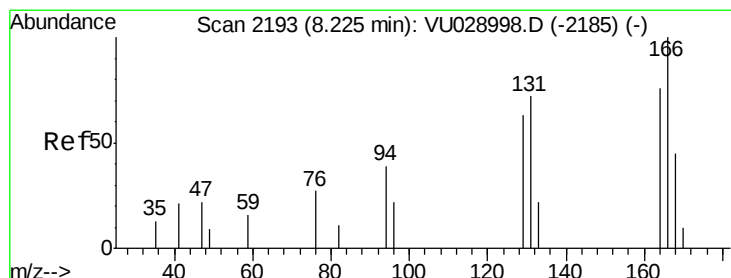
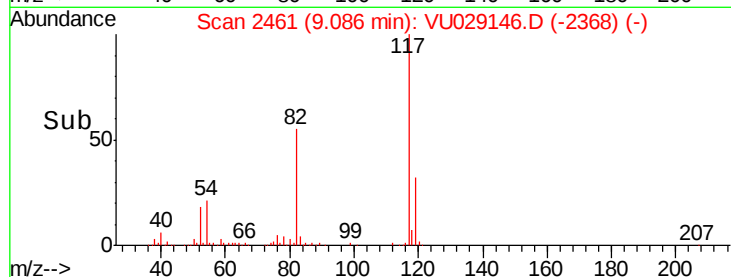
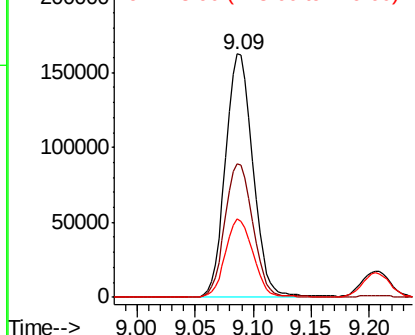
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.09 min Scan# 2461
Delta R.T. 0.00 min
Lab File: VU029146.D
Acq: 11 Jan 2019 17:05

Instrument :
MSVOA_U
ClientSampleId :
VU0112WBSD01

Tgt Ion:117 Resp: 266883
Ion Ratio Lower Upper
117 100
82 55.1 43.9 65.9
119 32.0 26.0 39.0

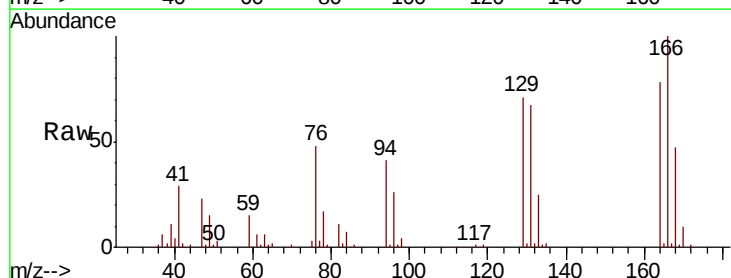


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): V
Ion 118.90 (118.60 to 119.60): V

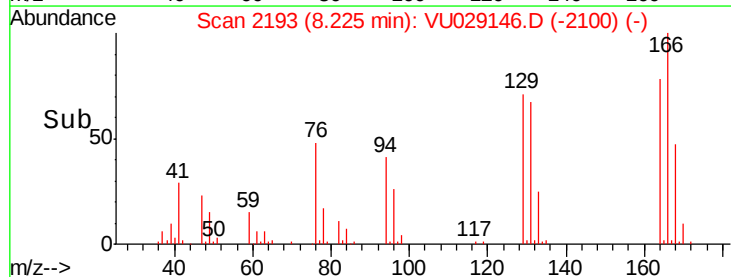
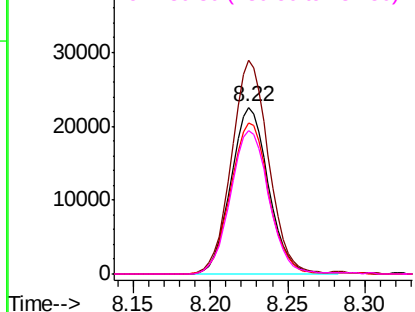


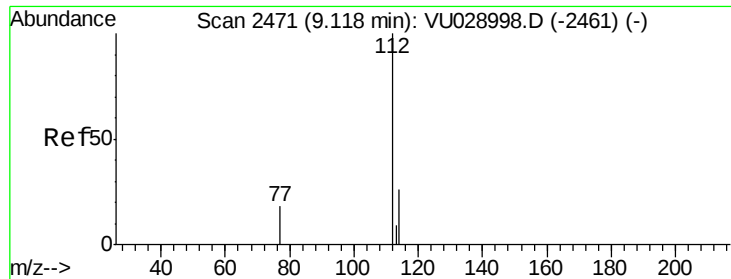
#64
Tetrachloroethene
Concen: 19.771 ug/l
RT: 8.22 min Scan# 2193
Delta R.T. 0.00 min
Lab File: VU029146.D
Acq: 11 Jan 2019 17:05

Tgt Ion:164 Resp: 38010
Ion Ratio Lower Upper
164 100
166 128.3 99.4 149.0
129 90.6 70.5 105.7
131 86.1 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

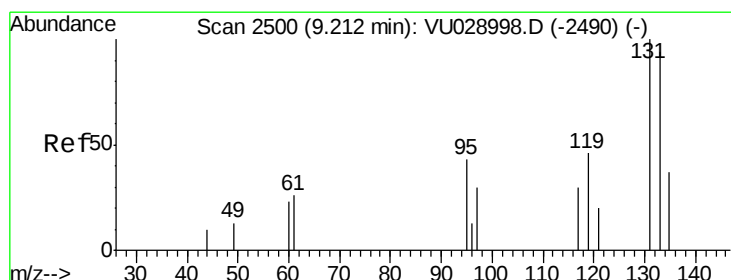
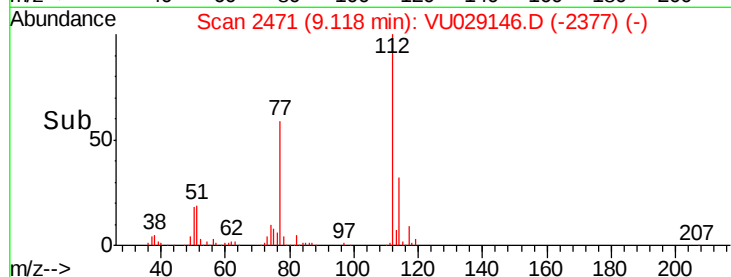
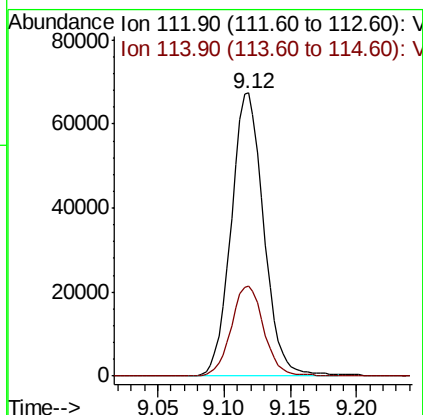
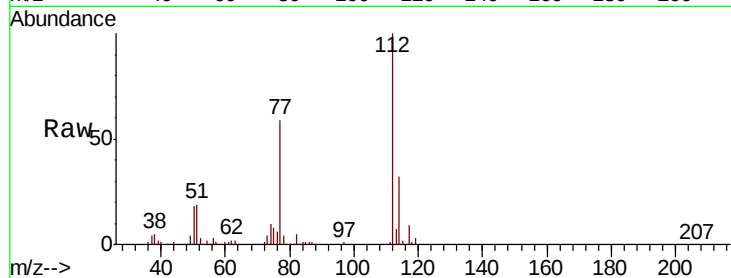




#65
Chlorobenzene
Concen: 19.234 ug/l
RT: 9.12 min Scan# 2471
Delta R.T. 0.00 min
Lab File: VU029146.D
Acq: 11 Jan 2019 17:05

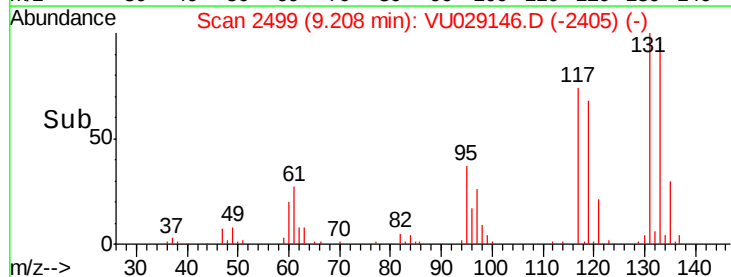
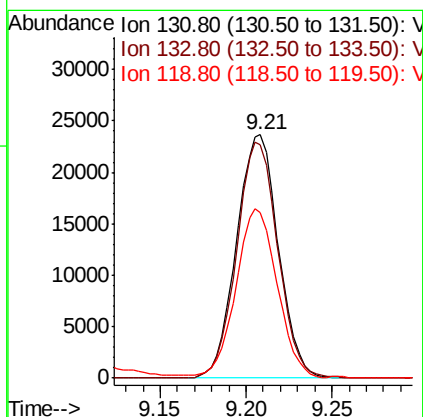
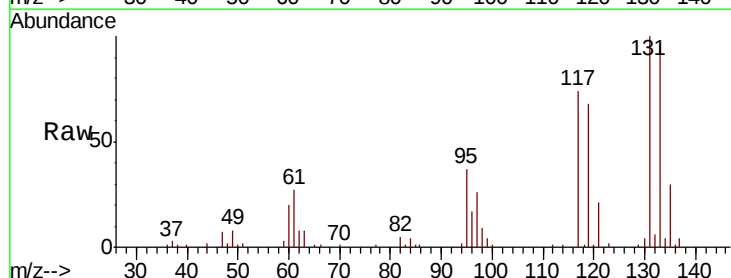
Instrument :
MSVOA_U
ClientSampleId :
VU0112WBSD01

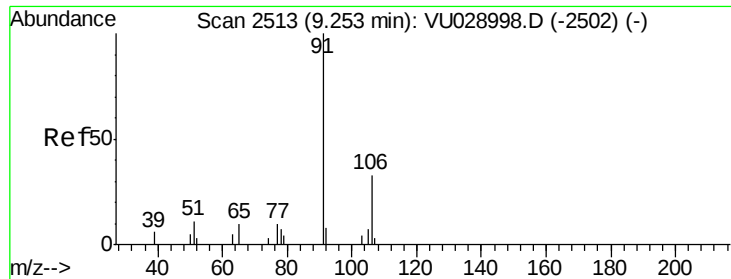
Tgt Ion:112 Resp: 115065
Ion Ratio Lower Upper
112 100
114 31.9 25.0 37.6



#66
1,1,1,2-Tetrachloroethane
Concen: 20.494 ug/l
RT: 9.21 min Scan# 2499
Delta R.T. 0.00 min
Lab File: VU029146.D
Acq: 11 Jan 2019 17:05

Tgt Ion:131 Resp: 39786
Ion Ratio Lower Upper
131 100
133 95.6 48.2 144.6
119 69.0 35.4 106.3

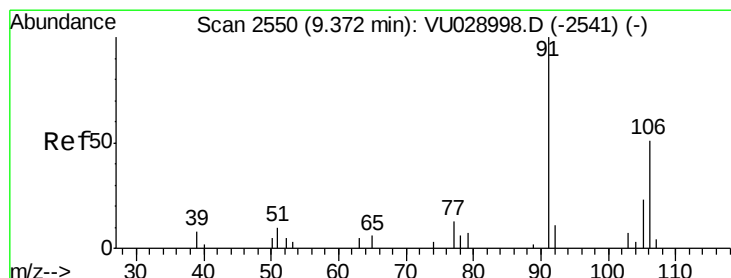
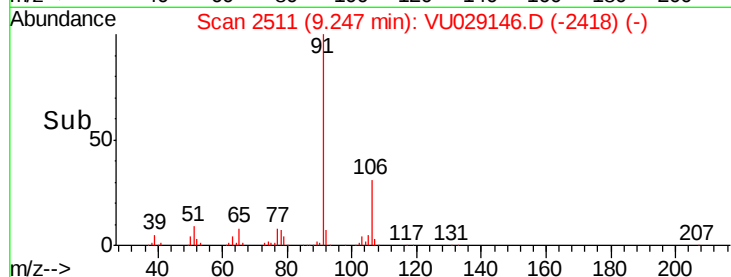
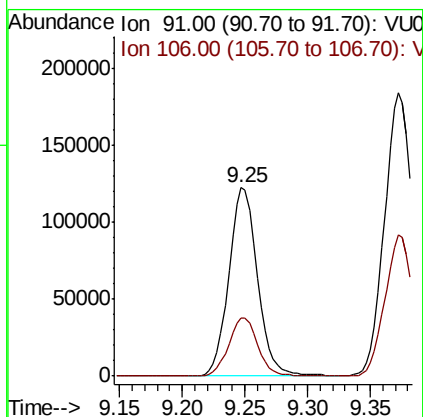
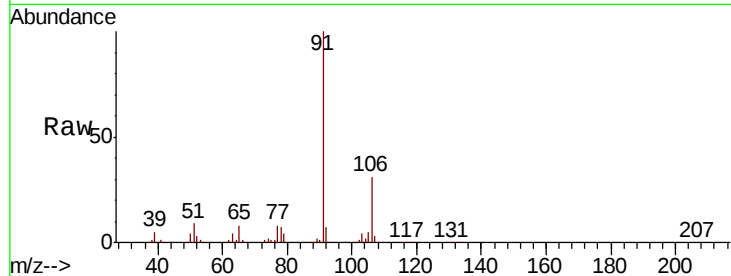




#67
Ethyl Benzene
Concen: 19.480 ug/l
RT: 9.25 min Scan# 2511
Delta R.T. 0.00 min
Lab File: VU029146.D
Acq: 11 Jan 2019 17:05

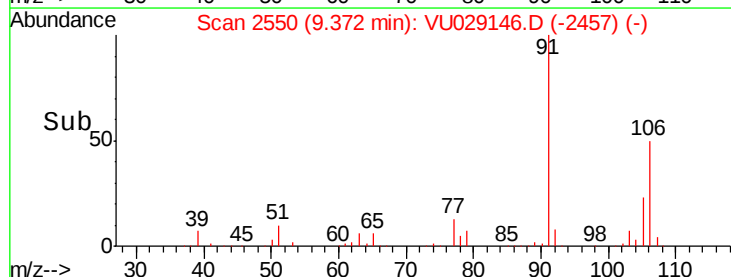
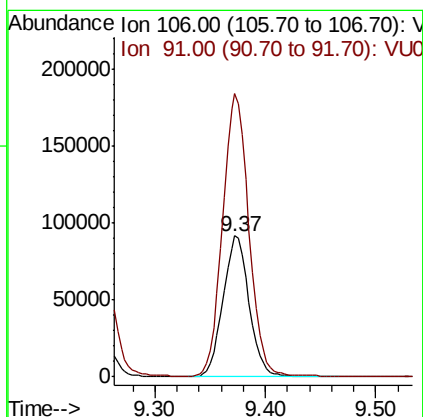
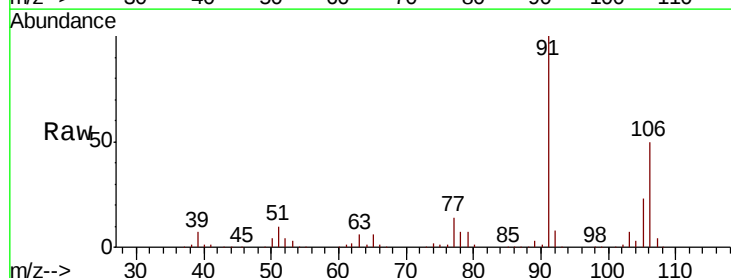
Instrument :
MSVOA_U
ClientSampleId :
VU0112WBSD01

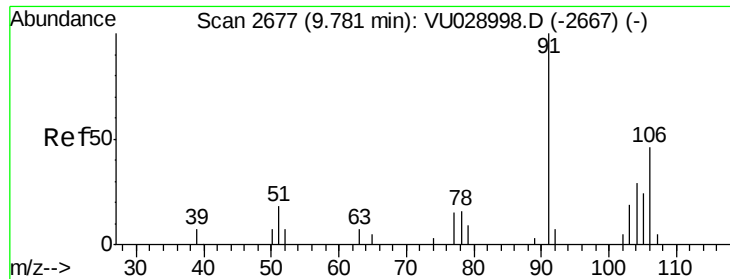
Tgt Ion: 91 Resp: 194560
Ion Ratio Lower Upper
91 100
106 31.1 25.0 37.4



#68
m/p-Xylenes
Concen: 38.647 ug/l
RT: 9.37 min Scan# 2550
Delta R.T. 0.00 min
Lab File: VU029146.D
Acq: 11 Jan 2019 17:05

Tgt Ion: 106 Resp: 149977
Ion Ratio Lower Upper
106 100
91 202.8 161.7 242.5

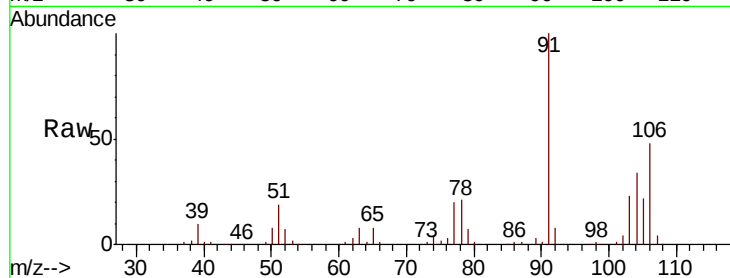




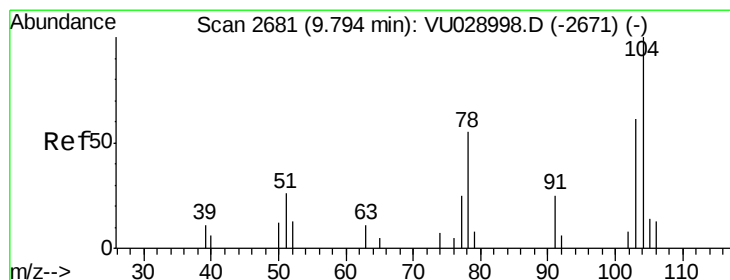
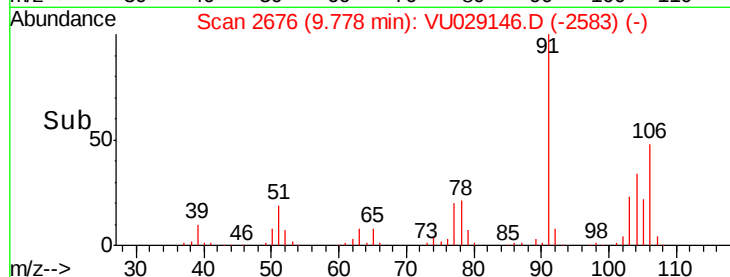
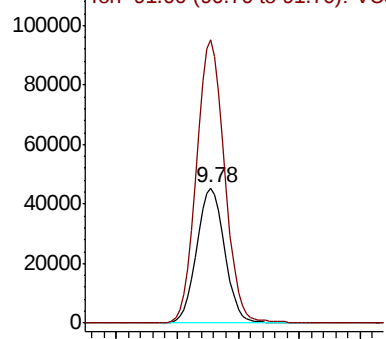
#69
o-Xylene
Concen: 19.602 ug/l
RT: 9.78 min Scan# 2676
Delta R.T. 0.00 min
Lab File: VU029146.D
Acq: 11 Jan 2019 17:05

Instrument :
MSVOA_U
ClientSampleId :
VU0112WBSD01

Tgt Ion:106 Resp: 73298
Ion Ratio Lower Upper
106 100
91 210.7 106.1 318.3

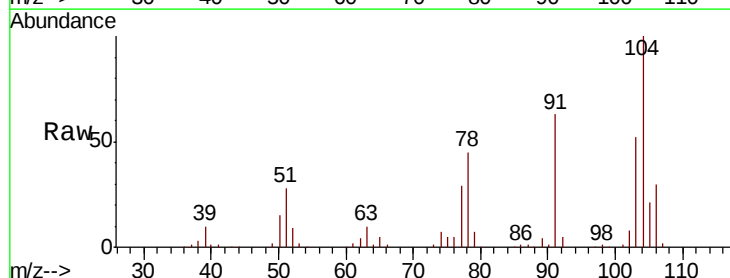


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VU0

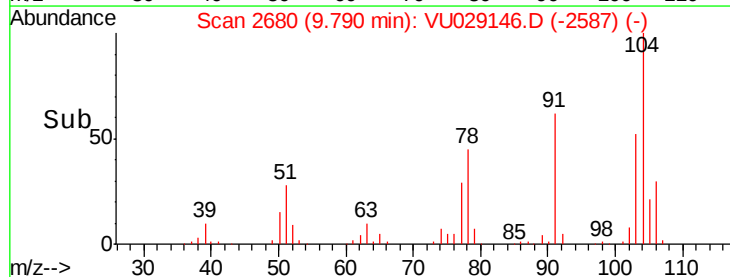
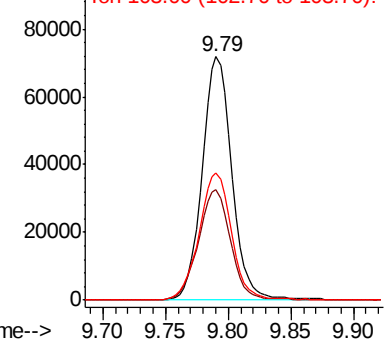


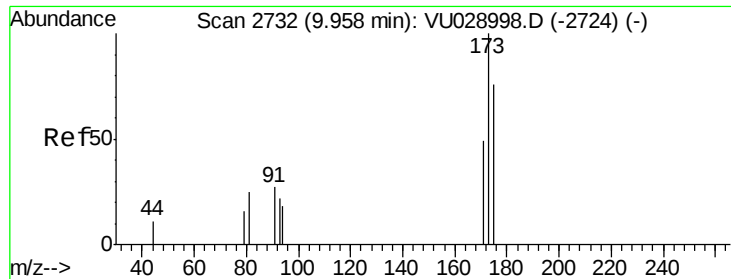
#70
Styrene
Concen: 19.254 ug/l
RT: 9.79 min Scan# 2680
Delta R.T. 0.00 min
Lab File: VU029146.D
Acq: 11 Jan 2019 17:05

Tgt Ion:104 Resp: 118026
Ion Ratio Lower Upper
104 100
78 49.0 38.6 58.0
103 57.4 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: 19.662 ug/l

RT: 9.96 min Scan# 2732

Delta R.T. 0.00 min

Lab File: VU029146.D

Acq: 11 Jan 2019 17:05

Instrument :

MSVOA_U

ClientSampleId :

VU0112WBSD01

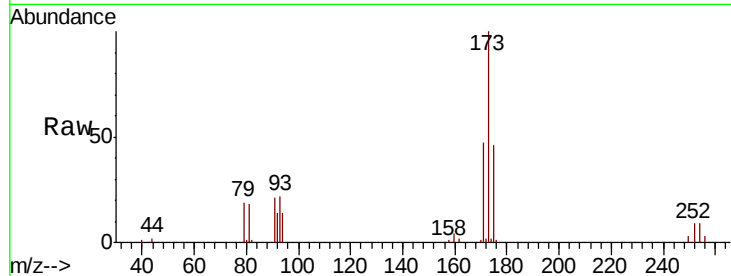
Tgt Ion:173 Resp: 33988

Ion Ratio Lower Upper

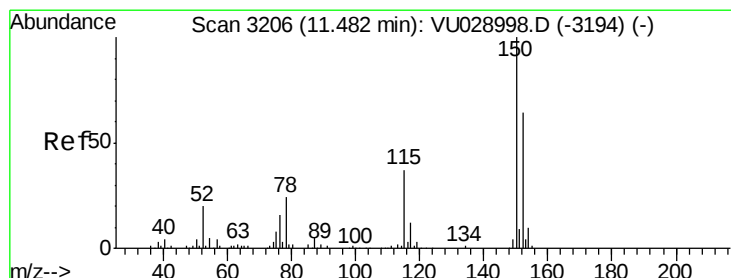
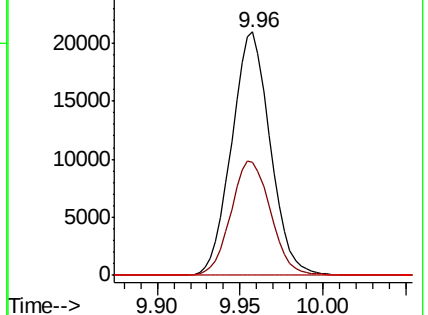
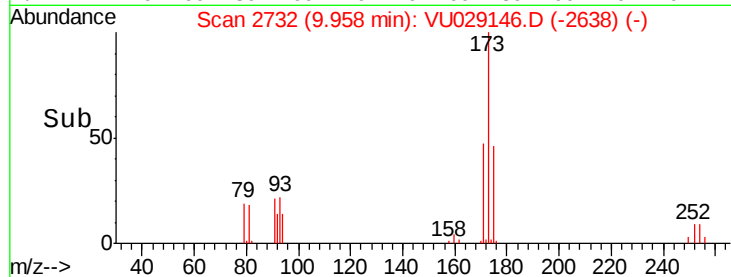
173 100

175 48.1 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: VU029146.D

Acq: 11 Jan 2019 17:05

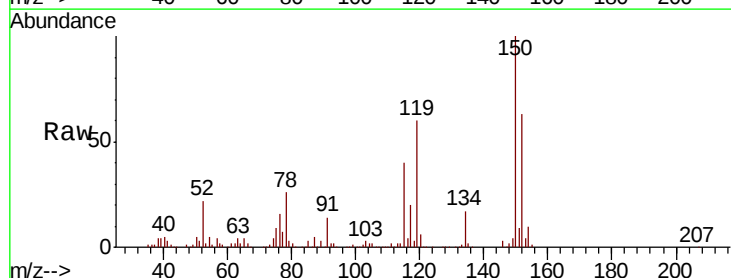
Tgt Ion:152 Resp: 130564

Ion Ratio Lower Upper

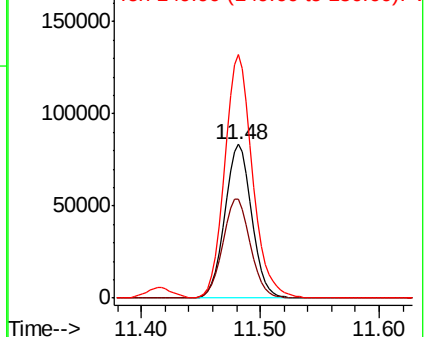
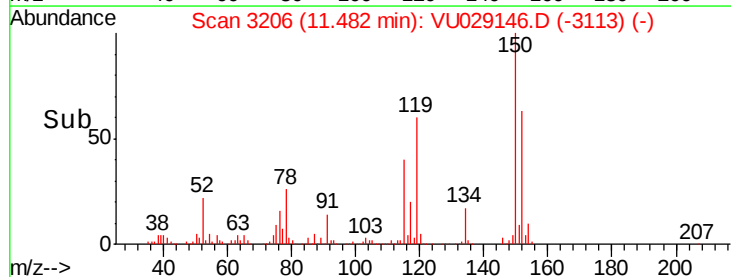
152 100

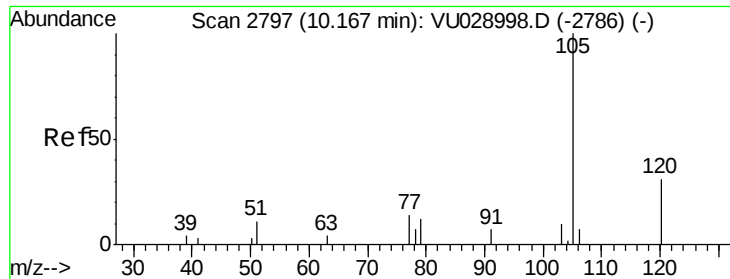
115 66.1 40.1 120.3

150 162.9 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: 19.657 ug/l

RT: 10.16 min Scan# 2796

Delta R.T. 0.00 min

Lab File: VU029146.D

Acq: 11 Jan 2019 17:05

Instrument :

MSVOA_U

ClientSampleId :

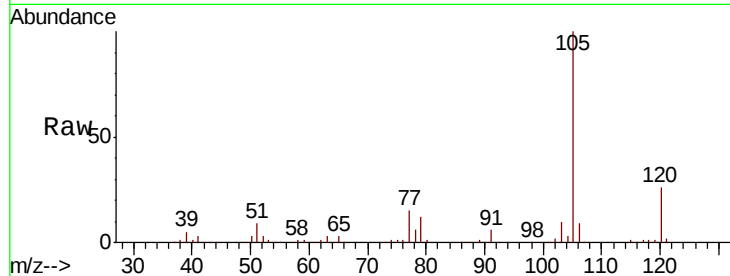
VU0112WBSD01

Tgt Ion:105 Resp: 189964

Ion Ratio Lower Upper

105 100

120 26.5 13.2 39.5



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

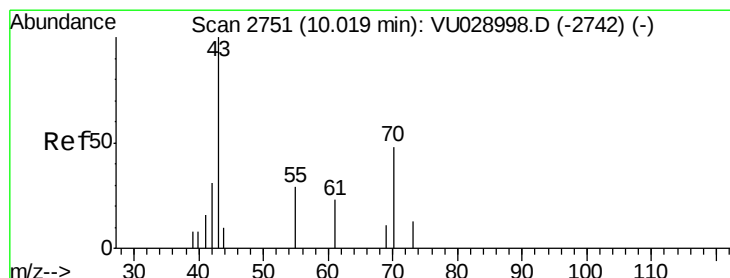
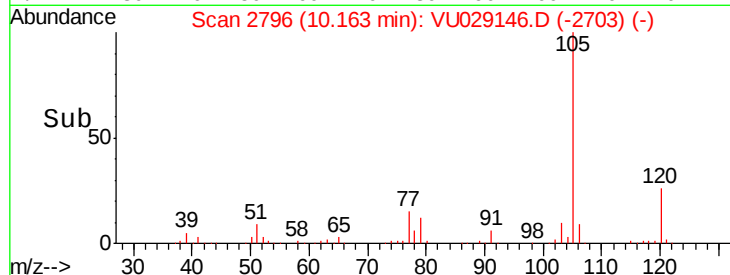
10.16

100000

50000

0

Time-->



#74

N-ethyl acetate

Concen: 20.006 ug/l

RT: 10.01 min Scan# 2749

Delta R.T. 0.00 min

Lab File: VU029146.D

Acq: 11 Jan 2019 17:05

Tgt Ion: 43 Resp: 83312

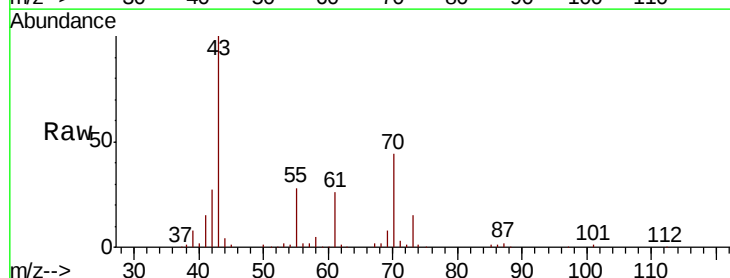
Ion Ratio Lower Upper

43 100

70 43.0 36.3 54.5

55 26.2 20.5 30.7

61 24.7 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

80000

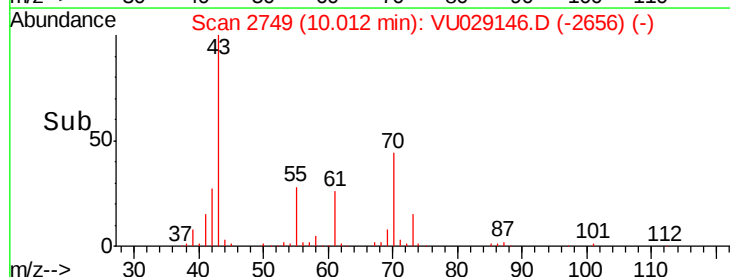
60000

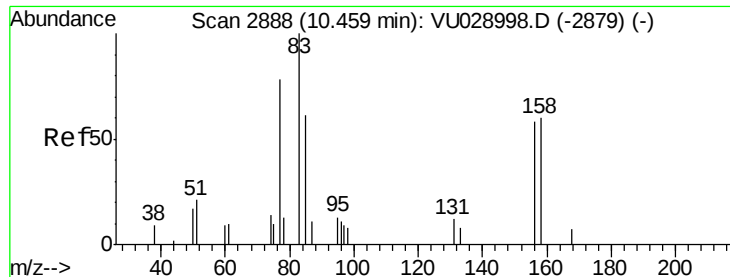
40000

20000

0

Time-->





#75

1,1,2,2-Tetrachloroethane

Concen: 20.271 ug/l

RT: 10.46 min Scan# 2887

Delta R.T. 0.00 min

Lab File: VU029146.D

Acq: 11 Jan 2019 17:05

Instrument :

MSVOA_U

ClientSampleId :

VU0112WBSD01

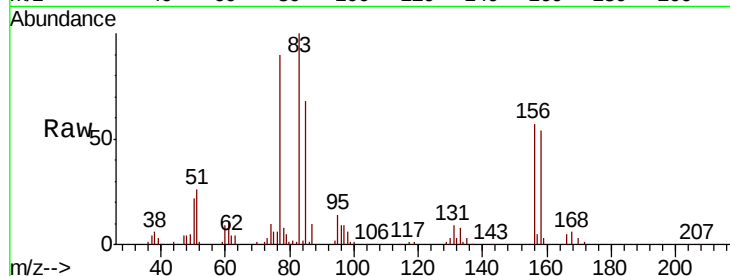
Tgt Ion: 83 Resp: 78514

Ion Ratio Lower Upper

83 100

131 9.0 4.7 14.1

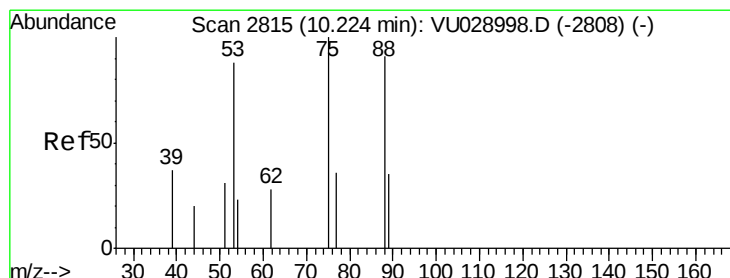
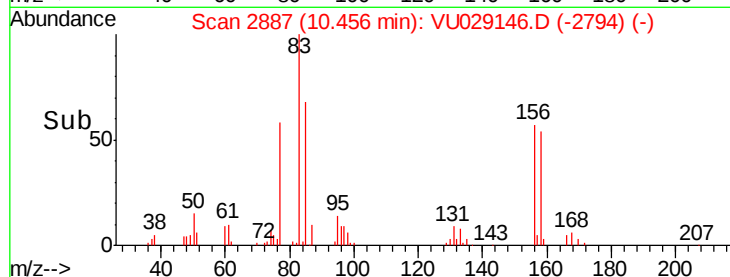
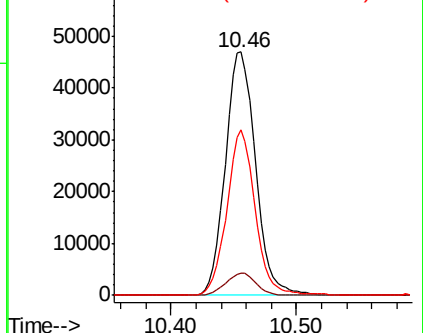
85 63.6 32.0 96.2



Abundance Ion 82.90 (82.60 to 83.60): VU0

Ion 130.80 (130.50 to 131.50): VU0

Ion 84.90 (84.60 to 85.60): VU0



#76

1,2,3-Trichloropropane

Concen: 26.497 ug/l

RT: 10.49 min Scan# 2898

Delta R.T. 0.00 min

Lab File: VU029146.D

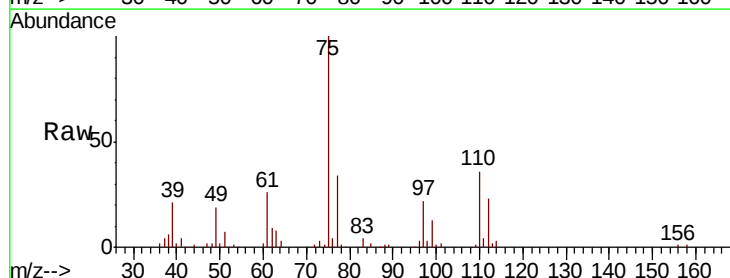
Acq: 11 Jan 2019 17:05

Tgt Ion: 75 Resp: 84764

Ion Ratio Lower Upper

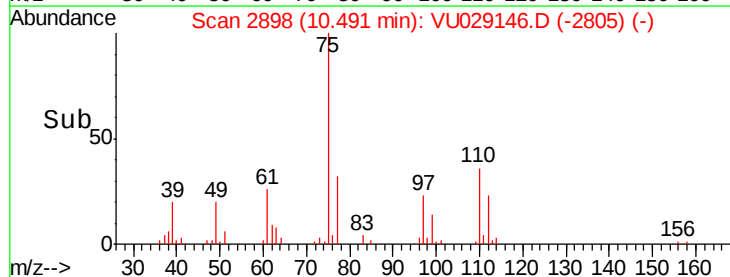
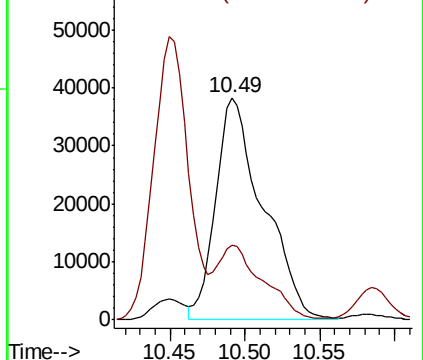
75 100

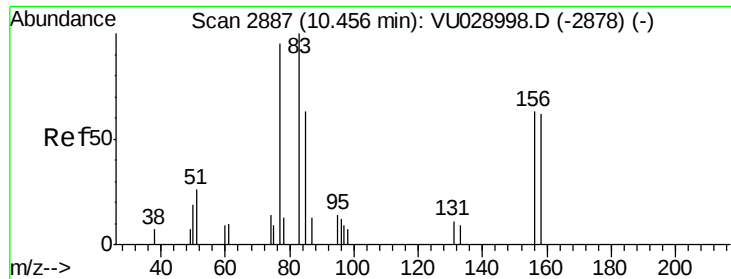
77 31.1 20.9 62.8



Abundance Ion 74.90 (74.60 to 75.60): VU0

Ion 77.00 (76.70 to 77.70): VU0





#77

Bromobenzene

Concen: 19.635 ug/l

RT: 10.45 min Scan# 2885

Delta R.T. 0.00 min

Lab File: VU029146.D

Acq: 11 Jan 2019 17:05

Instrument :

MSVOA_U

ClientSampleId :

VU0112WBSD01

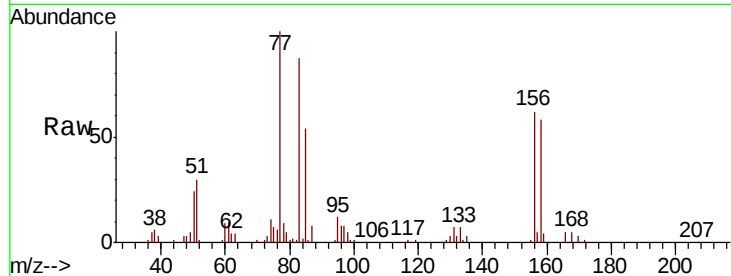
Tgt Ion:156 Resp: 49449

Ion Ratio Lower Upper

156 100

77 159.3 79.0 237.2

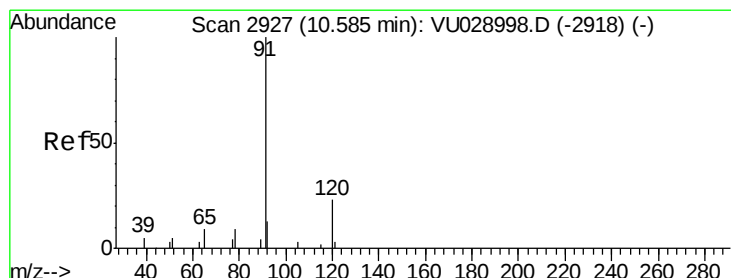
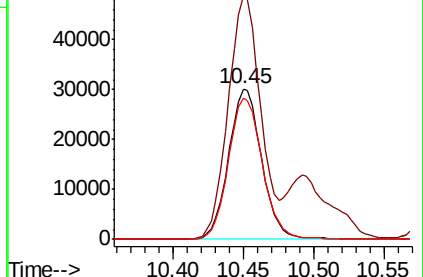
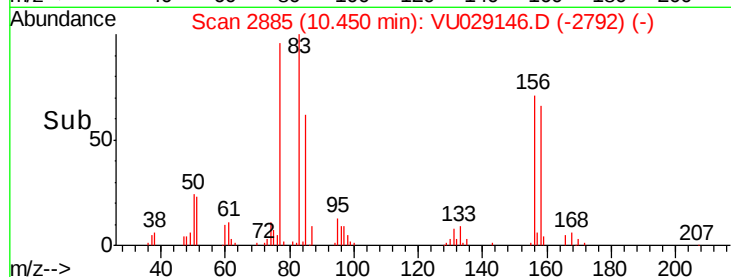
158 96.2 48.9 146.6



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: 19.890 ug/l

RT: 10.58 min Scan# 2927

Delta R.T. 0.00 min

Lab File: VU029146.D

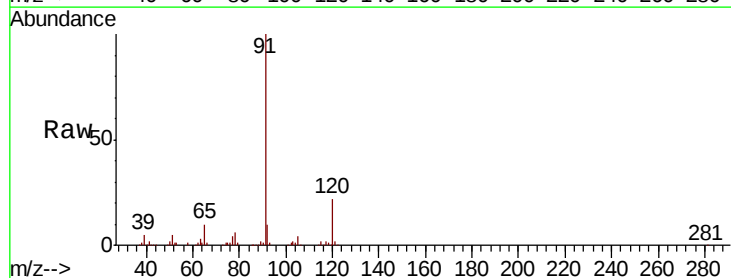
Acq: 11 Jan 2019 17:05

Tgt Ion: 91 Resp: 226524

Ion Ratio Lower Upper

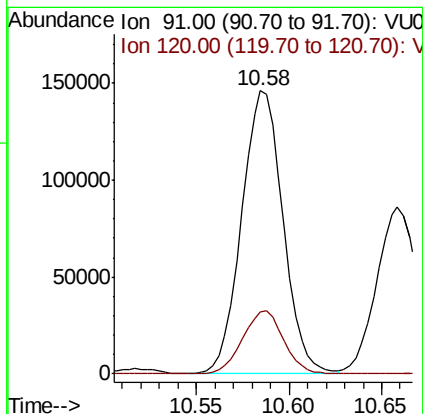
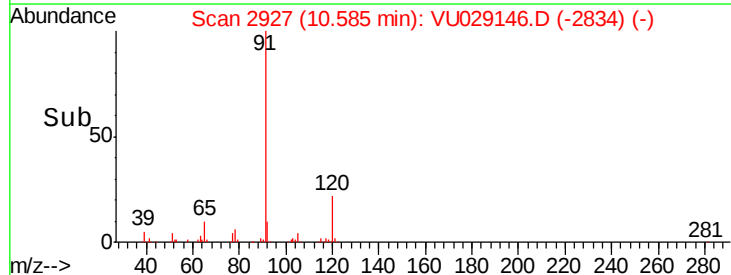
91 100

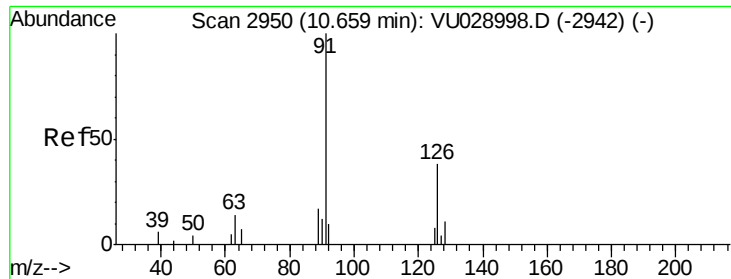
120 22.3 11.3 33.9



Abundance Ion 91.00 (90.70 to 91.70): VU0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 19.737 ug/l

RT: 10.66 min Scan# 2950

Delta R.T. 0.00 min

Lab File: VU029146.D

Acq: 11 Jan 2019 17:05

Instrument :

MSVOA_U

ClientSampleId :

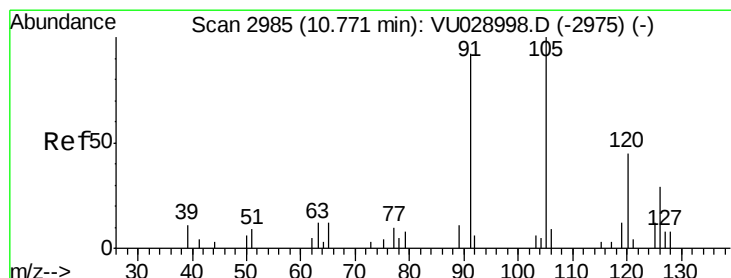
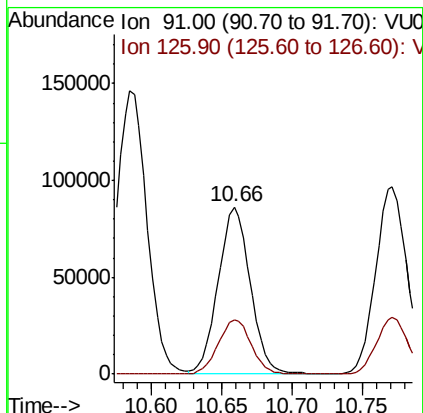
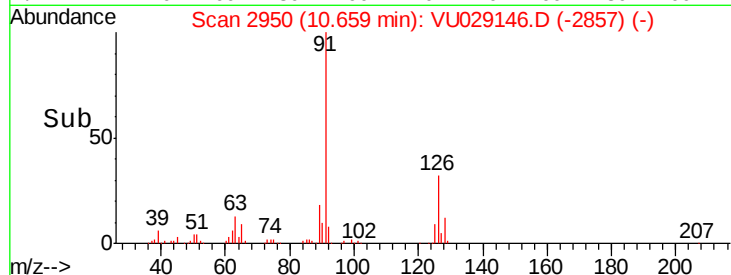
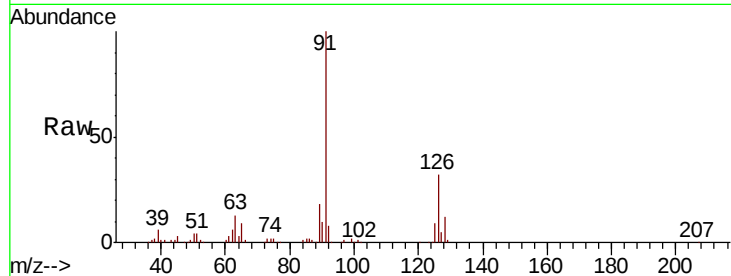
VU0112WBSD01

Tgt Ion: 91 Resp: 136358

Ion Ratio Lower Upper

91 100

126 33.5 16.8 50.4



#80

1,3,5-Trimethylbenzene

Concen: 19.852 ug/l

RT: 10.77 min Scan# 2985

Delta R.T. 0.00 min

Lab File: VU029146.D

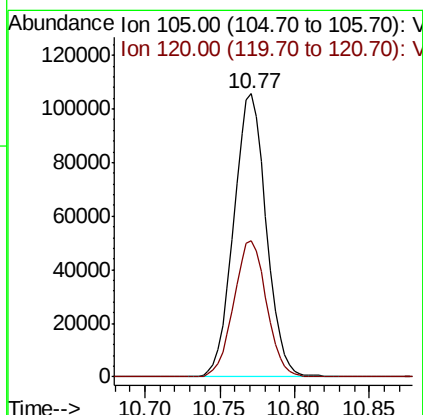
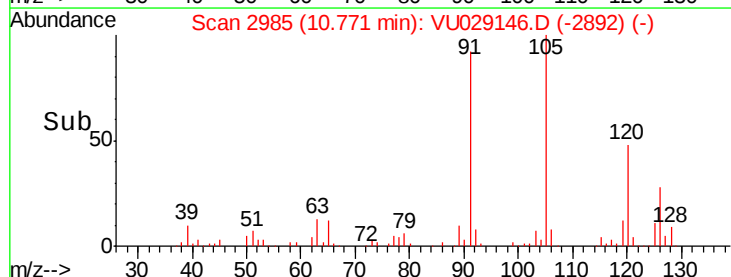
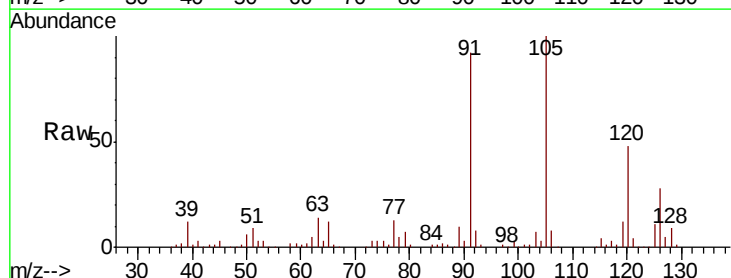
Acq: 11 Jan 2019 17:05

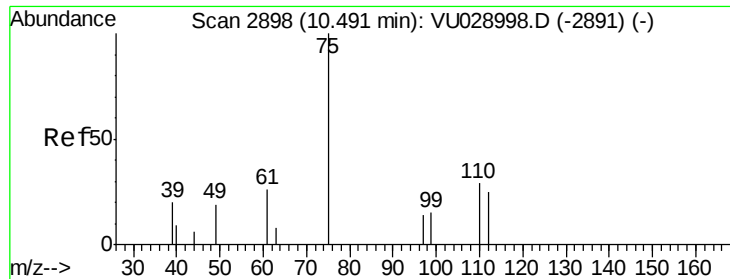
Tgt Ion: 105 Resp: 160214

Ion Ratio Lower Upper

105 100

120 48.4 24.8 74.4





#81

trans-1,4-Dichloro-2-butene

Concen: 68.337 ug/l

RT: 10.49 min Scan# 2898

Delta R.T. -0.02 min

Lab File: VU029146.D

Acq: 11 Jan 2019 17:05

Instrument :

MSVOA_U

ClientSampleId :

VU0112WBSD01

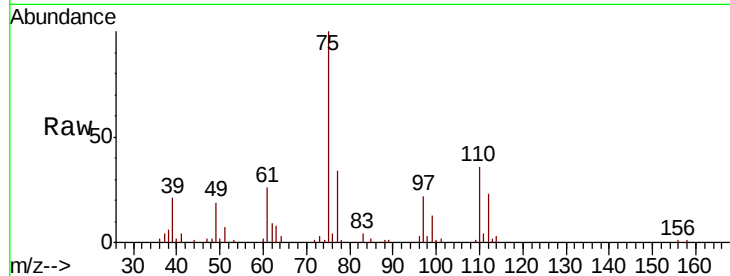
Tgt Ion: 75 Resp: 84764

Ion Ratio Lower Upper

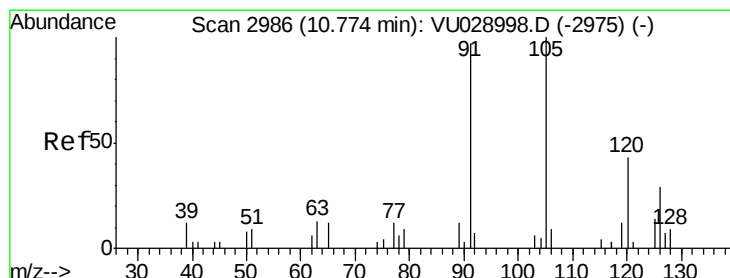
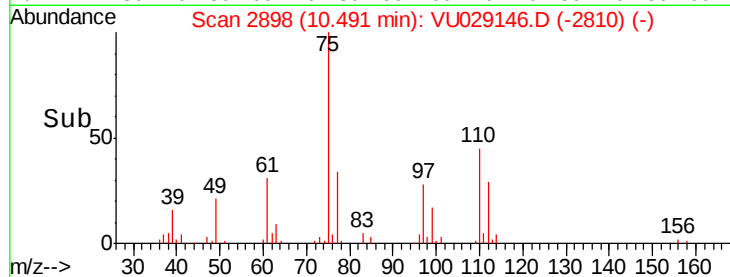
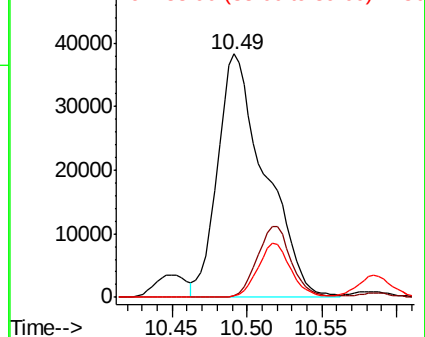
75 100

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: 19.161 ug/l

RT: 10.77 min Scan# 2985

Delta R.T. 0.00 min

Lab File: VU029146.D

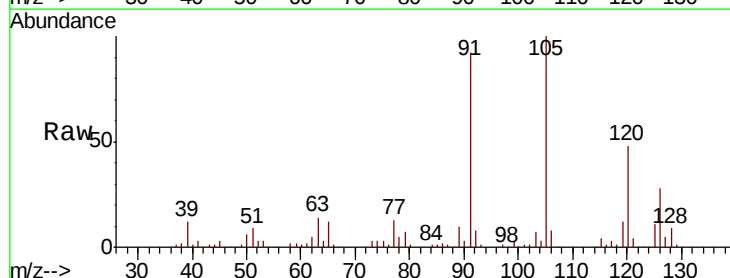
Acq: 11 Jan 2019 17:05

Tgt Ion: 91 Resp: 151793

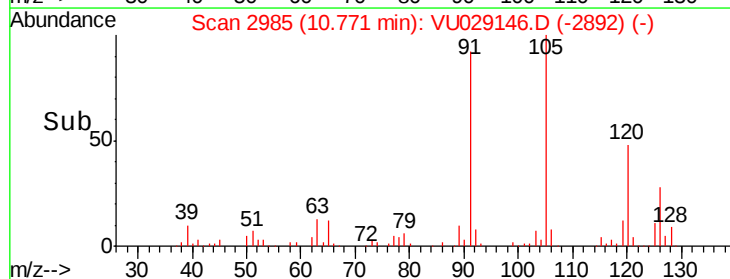
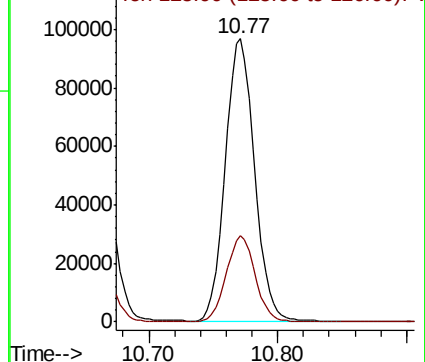
Ion Ratio Lower Upper

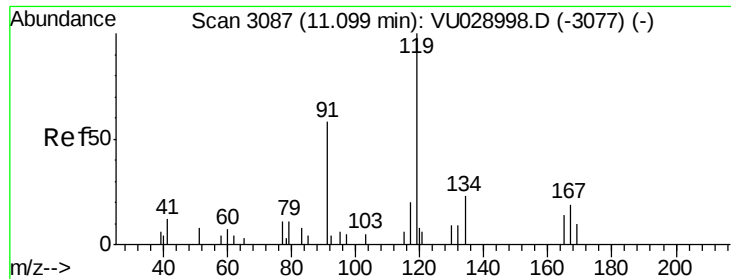
91 100

126 30.2 15.5 46.5



Abundance Ion 91.00 (90.70 to 91.70): VU0
Ion 125.90 (125.60 to 126.60): V

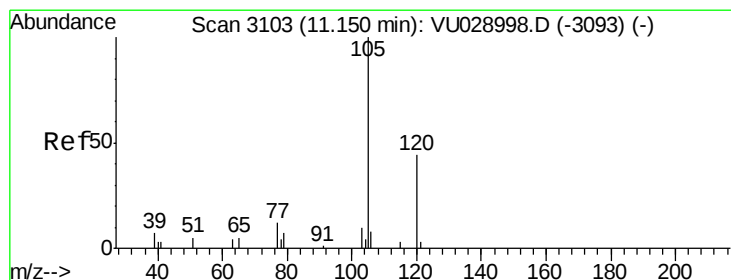
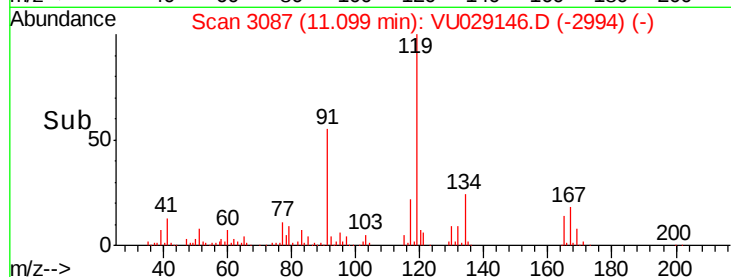
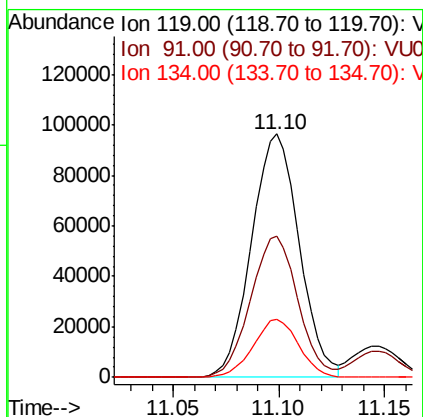
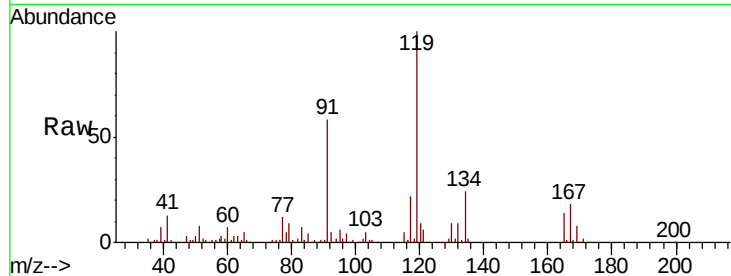




#83
 tert-Butylbenzene
 Concen: 19.074 ug/l
 RT: 11.10 min Scan# 3087
 Delta R.T. 0.00 min
 Lab File: VU029146.D
 Acq: 11 Jan 2019 17:05

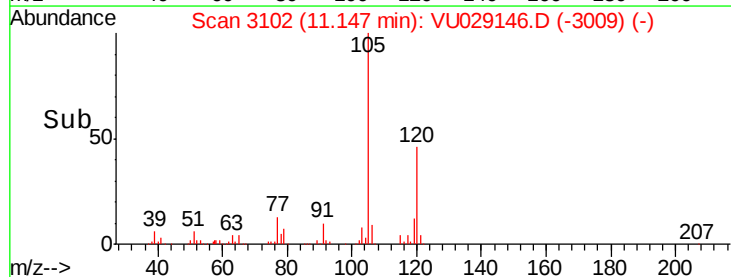
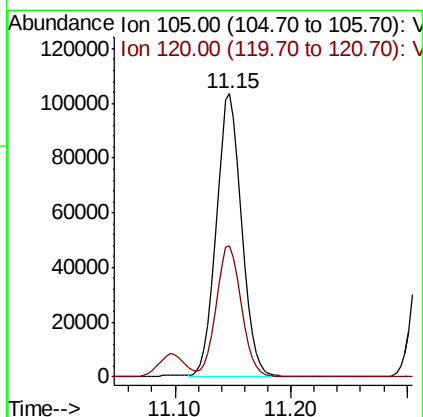
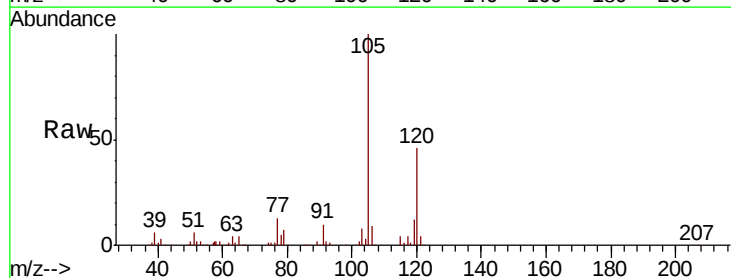
Instrument :
 MSVOA_U
 ClientSampleId :
 VU0112WBSD01

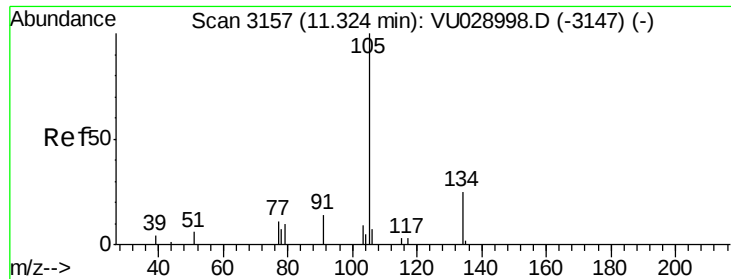
Tgt Ion:119 Resp: 151719
 Ion Ratio Lower Upper
 119 100
 91 57.7 28.2 84.6
 134 22.9 11.3 33.8



#84
 1,2,4-Trimethylbenzene
 Concen: 19.695 ug/l
 RT: 11.15 min Scan# 3102
 Delta R.T. 0.00 min
 Lab File: VU029146.D
 Acq: 11 Jan 2019 17:05

Tgt Ion:105 Resp: 158691
 Ion Ratio Lower Upper
 105 100
 120 46.3 23.1 69.3

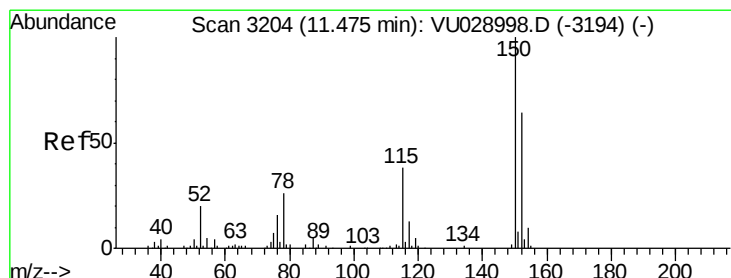
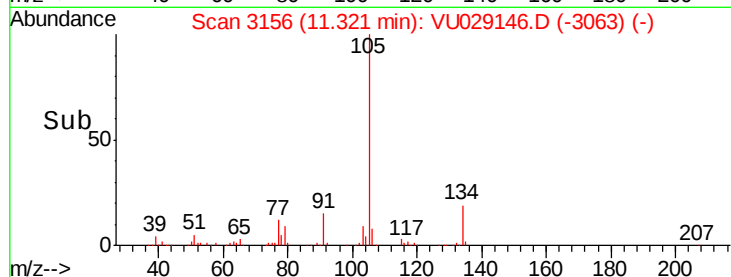
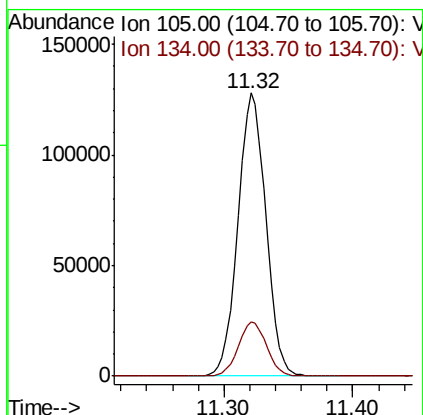
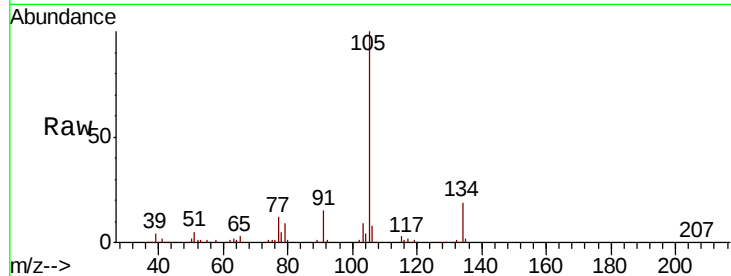




#85
 sec-Butylbenzene
 Concen: 19.985 ug/l
 RT: 11.32 min Scan# 3156
 Delta R.T. 0.00 min
 Lab File: VU029146.D
 Acq: 11 Jan 2019 17:05

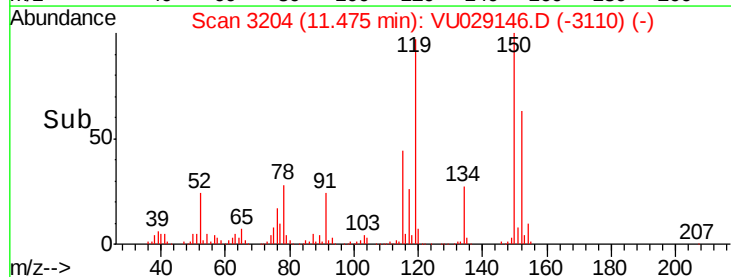
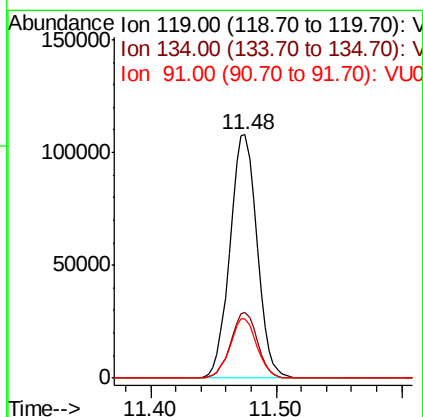
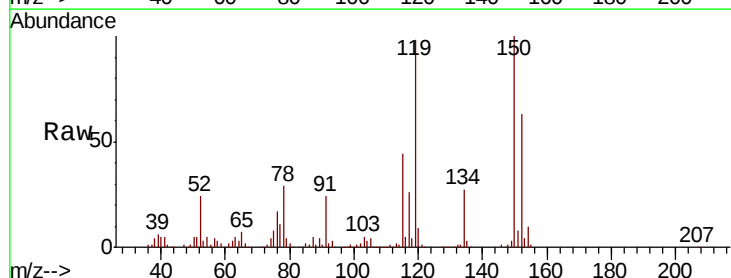
Instrument :
 MSVOA_U
 ClientSampleId :
 VU0112WBSD01

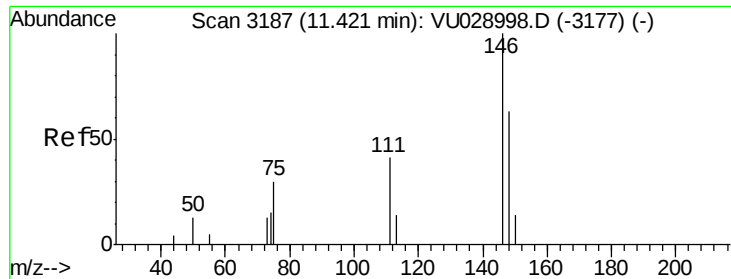
Tgt Ion:105 Resp: 192255
 Ion Ratio Lower Upper
 105 100
 134 19.5 9.7 29.1



#86
 p-Isopropyltoluene
 Concen: 19.812 ug/l
 RT: 11.48 min Scan# 3204
 Delta R.T. 0.00 min
 Lab File: VU029146.D
 Acq: 11 Jan 2019 17:05

Tgt Ion:119 Resp: 162407
 Ion Ratio Lower Upper
 119 100
 134 26.6 13.5 40.4
 91 24.3 11.3 33.8

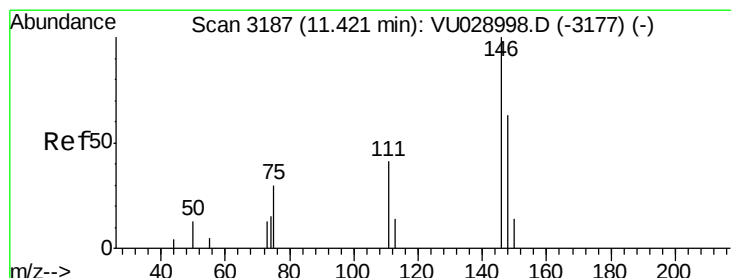
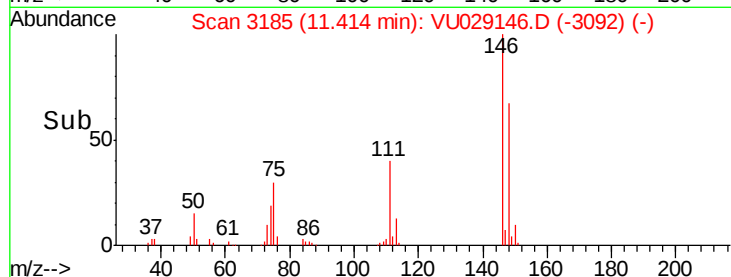
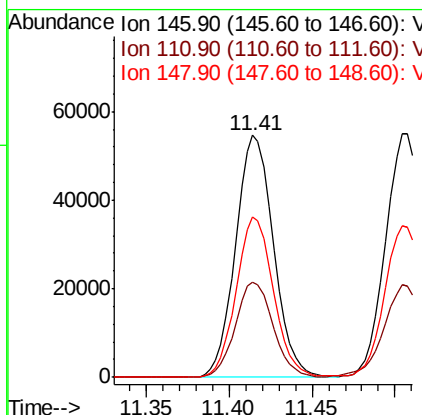
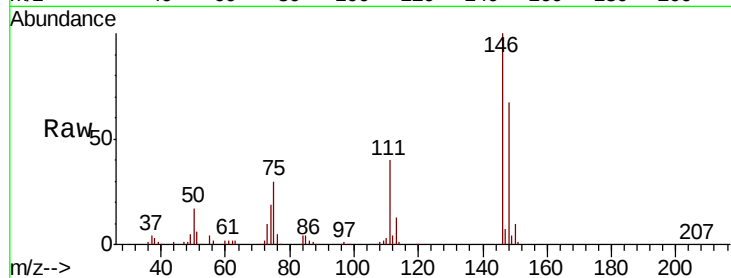




#87
 1,3-Dichlorobenzene
 Concen: 18.820 ug/l
 RT: 11.41 min Scan# 3185
 Delta R.T. 0.00 min
 Lab File: VU029146.D
 Acq: 11 Jan 2019 17:05

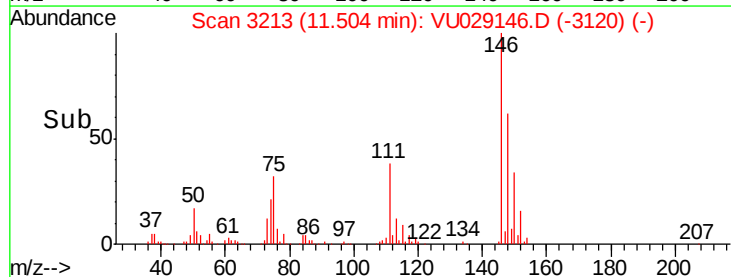
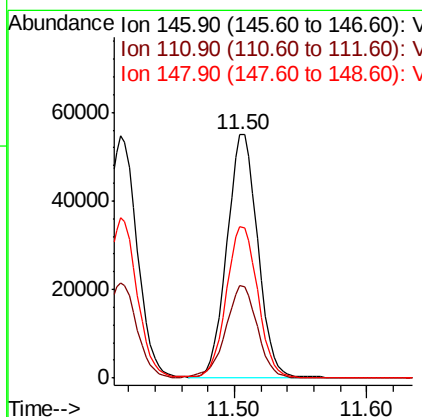
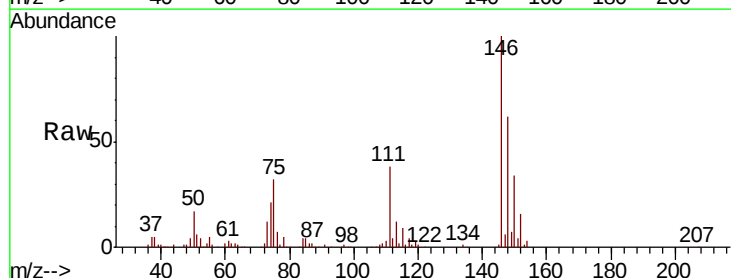
Instrument :
 MSVOA_U
 ClientSampleId :
 VU0112WBSD01

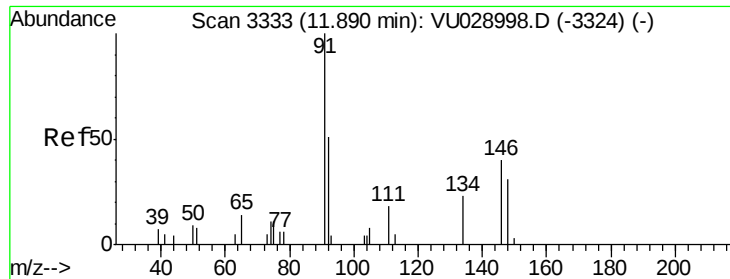
Tgt Ion:146 Resp: 86939
 Ion Ratio Lower Upper
 146 100
 111 39.0 19.3 57.8
 148 65.1 32.5 97.5



#88
 1,4-Dichlorobenzene
 Concen: 18.607 ug/l
 RT: 11.50 min Scan# 3213
 Delta R.T. 0.00 min
 Lab File: VU029146.D
 Acq: 11 Jan 2019 17:05

Tgt Ion:146 Resp: 88721
 Ion Ratio Lower Upper
 146 100
 111 39.4 19.1 57.3
 148 64.1 32.6 98.0

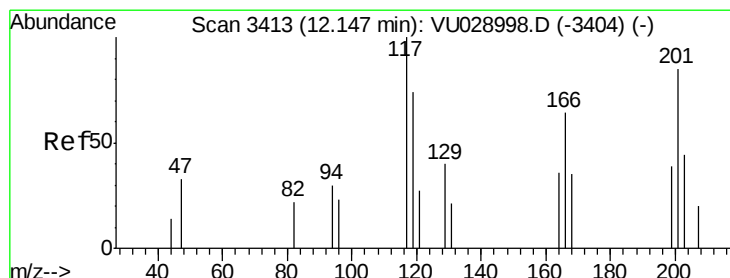
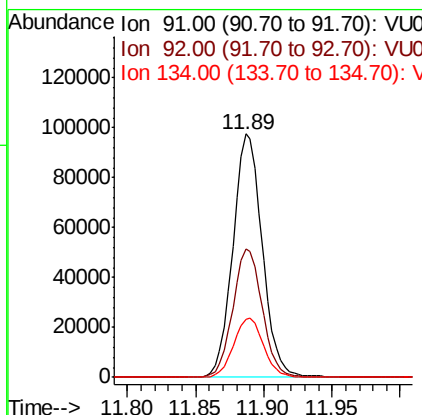
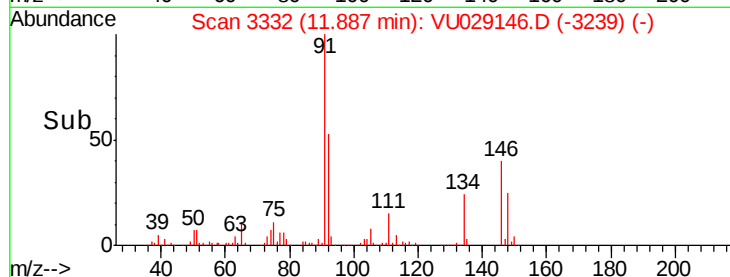
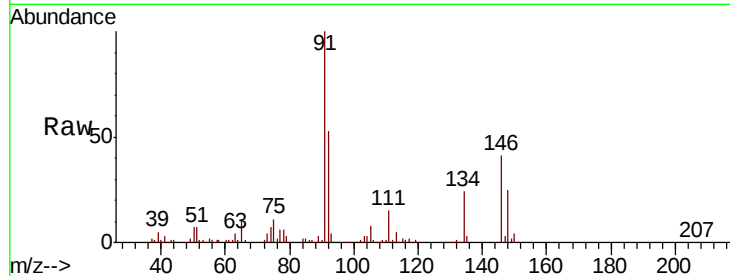




#89
n-Butylbenzene
Concen: 19.931 ug/l
RT: 11.89 min Scan# 3332
Delta R.T. 0.00 min
Lab File: VU029146.D
Acq: 11 Jan 2019 17:05

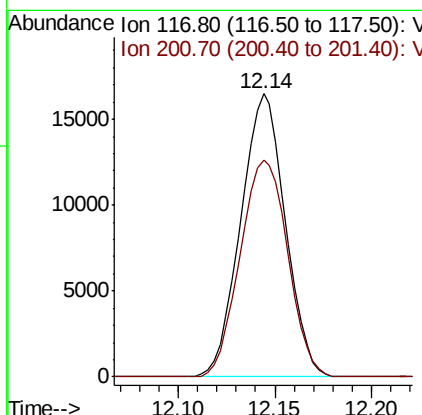
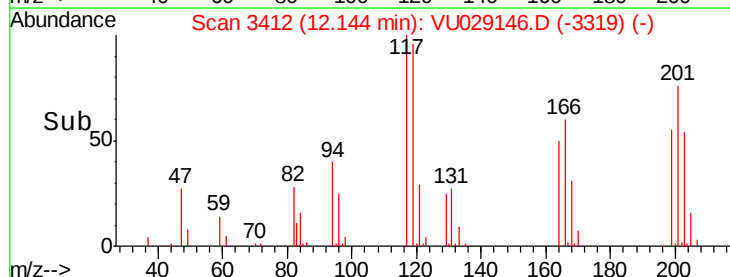
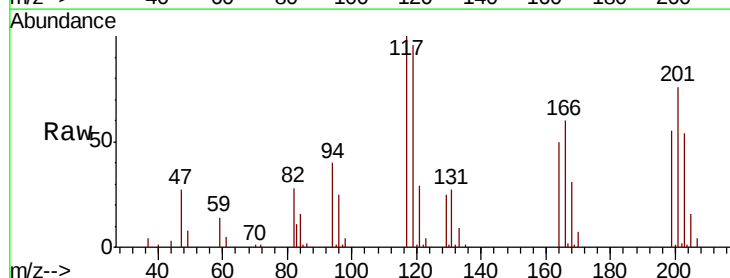
Instrument :
MSVOA_U
ClientSampleId :
VU0112WBSD01

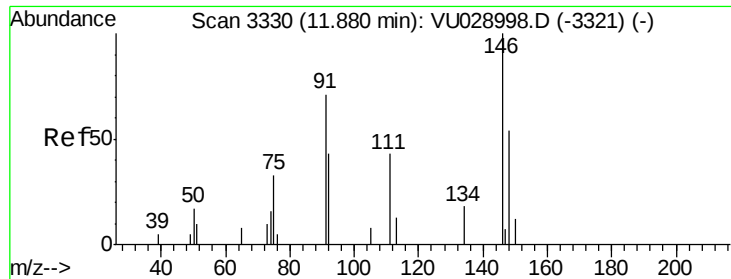
Tgt Ion: 91 Resp: 145821
Ion Ratio Lower Upper
91 100
92 52.9 26.2 78.5
134 24.9 12.6 37.6



#90
Hexachloroethane
Concen: 19.130 ug/l
RT: 12.14 min Scan# 3412
Delta R.T. 0.00 min
Lab File: VU029146.D
Acq: 11 Jan 2019 17:05

Tgt Ion: 117 Resp: 26381
Ion Ratio Lower Upper
117 100
201 81.7 42.4 127.3





#91

1,2-Dichlorobenzene

Concen: 19.091 ug/l

RT: 11.88 min Scan# 3329

Delta R.T. 0.00 min

Lab File: VU029146.D

Acq: 11 Jan 2019 17:05

Instrument :

MSVOA_U

ClientSampleId :

VU0112WBSD01

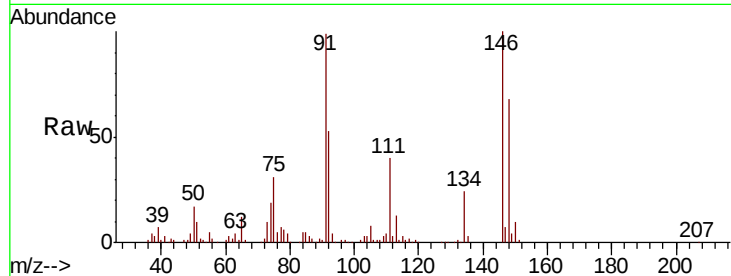
Tgt Ion:146 Resp: 88827

Ion Ratio Lower Upper

146 100

111 40.1 20.0 59.9

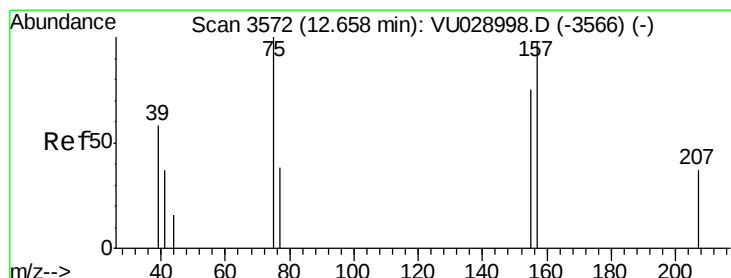
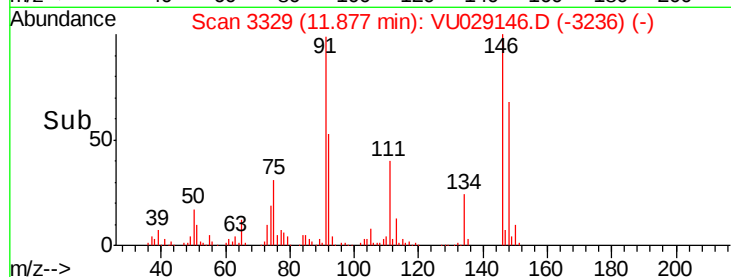
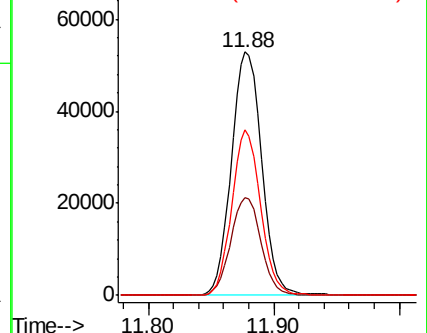
148 64.5 31.6 94.8



Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#92

1,2-Dibromo-3-Chloropropane

Concen: 20.502 ug/l

RT: 12.66 min Scan# 3571

Delta R.T. 0.00 min

Lab File: VU029146.D

Acq: 11 Jan 2019 17:05

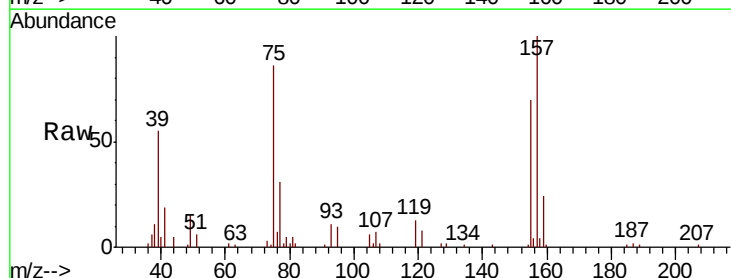
Tgt Ion: 75 Resp: 15273

Ion Ratio Lower Upper

75 100

155 81.2 46.3 138.8

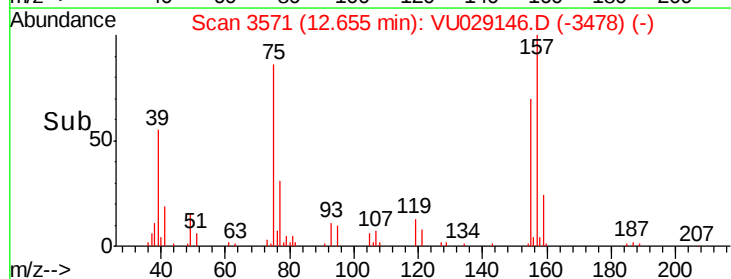
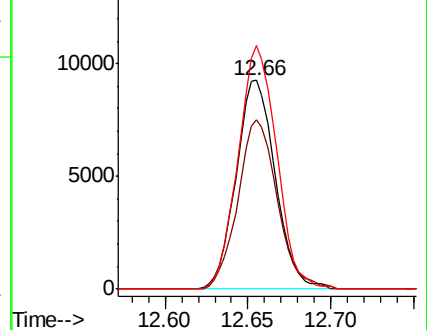
157 114.3 57.4 172.0

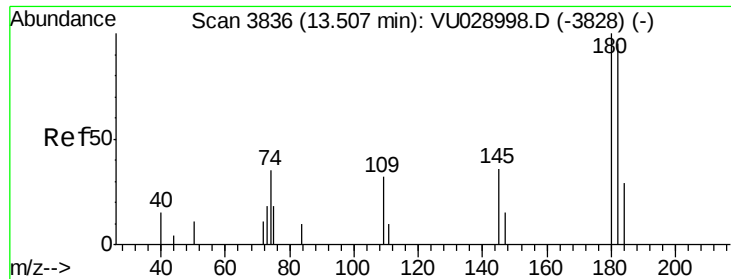


Abundance Ion 74.90 (74.60 to 75.60): VU0

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V

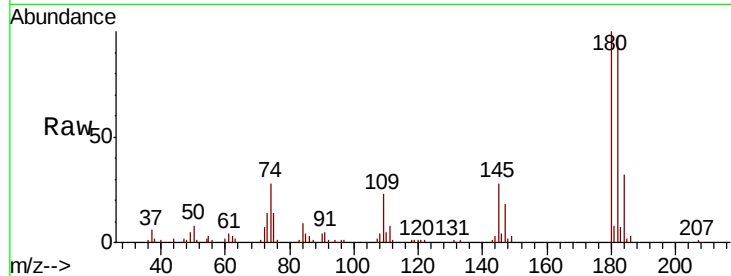




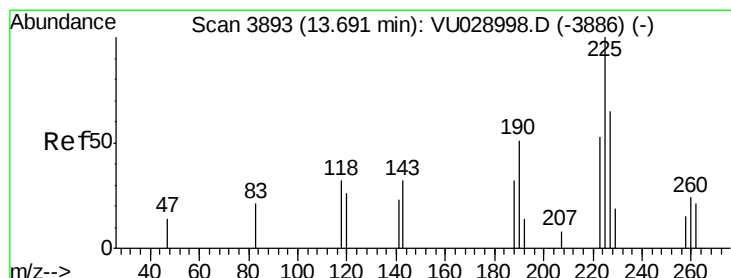
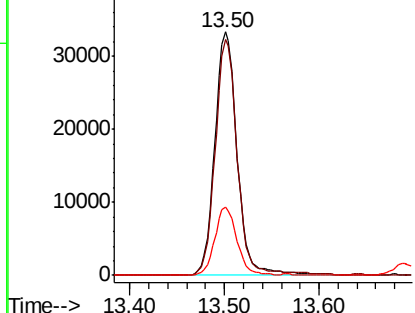
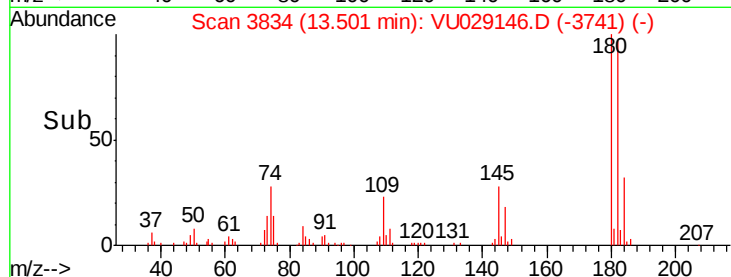
#93
 1,2,4-Trichlorobenzene
 Concen: 18.414 ug/l
 RT: 13.50 min Scan# 3834
 Delta R.T. 0.00 min
 Lab File: VU029146.D
 Acq: 11 Jan 2019 17:05

Instrument :
 MSVOA_U
 ClientSampleId :
 VU0112WBSD01

Tgt Ion:180 Resp: 54692
 Ion Ratio Lower Upper
 180 100
 182 94.4 47.5 142.6
 145 27.8 14.0 42.0

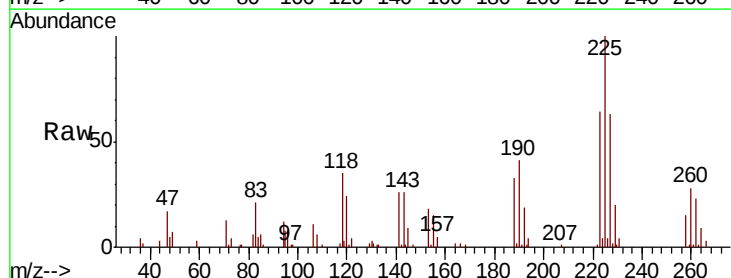


Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

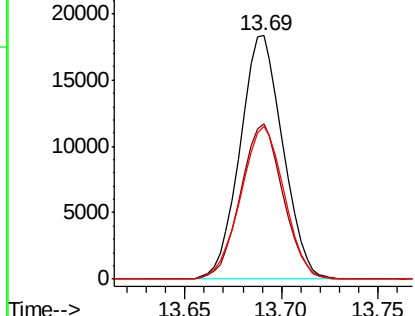
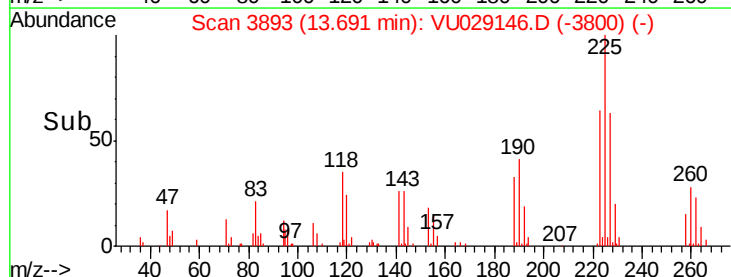


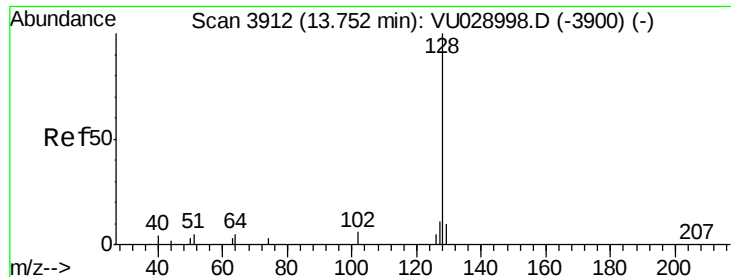
#94
 Hexachlorobutadiene
 Concen: 20.805 ug/l
 RT: 13.69 min Scan# 3893
 Delta R.T. 0.00 min
 Lab File: VU029146.D
 Acq: 11 Jan 2019 17:05

Tgt Ion:225 Resp: 28264
 Ion Ratio Lower Upper
 225 100
 223 63.3 31.4 94.0
 227 63.8 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

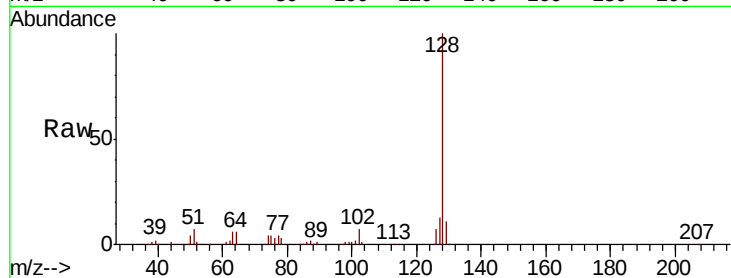




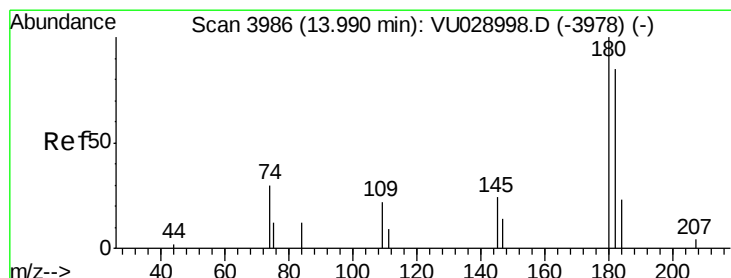
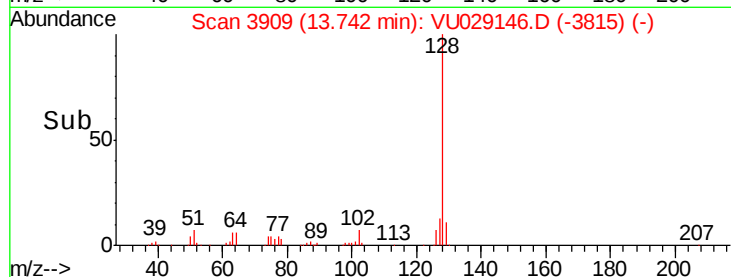
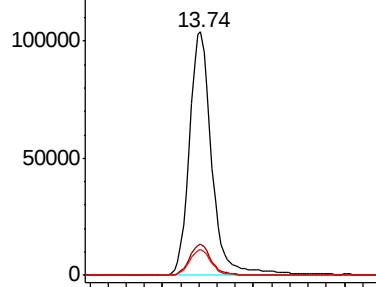
#95
Naphthalene
Concen: 17.643 ug/l
RT: 13.74 min Scan# 3909
Delta R.T. 0.00 min
Lab File: VU029146.D
Acq: 11 Jan 2019 17:05

Instrument :
MSVOA_U
ClientSampleId :
VU0112WBSD01

Tgt Ion:128 Resp: 178257
Ion Ratio Lower Upper
128 100
127 12.4 10.1 15.1
129 10.6 8.5 12.7

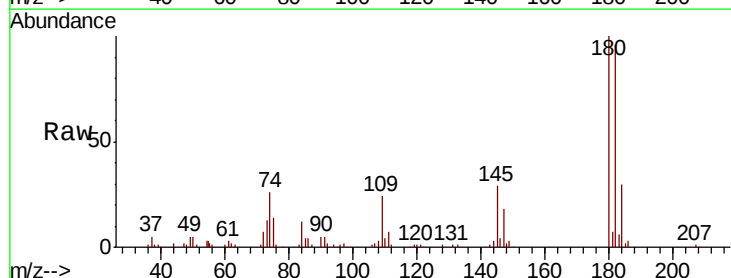


Abundance Ion 128.00 (127.70 to 128.70): V
Ion 127.00 (126.70 to 127.70): V
Ion 129.00 (128.70 to 129.70): V



#96
1,2,3-Trichlorobenzene
Concen: 19.969 ug/l
RT: 13.99 min Scan# 3985
Delta R.T. 0.00 min
Lab File: VU029146.D
Acq: 11 Jan 2019 17:05

Tgt Ion:180 Resp: 59612
Ion Ratio Lower Upper
180 100
182 92.0 48.1 144.3
145 28.0 14.8 44.4



Abundance Ion 179.80 (179.50 to 180.50): V
Ion 181.80 (181.50 to 182.50): V
Ion 144.90 (144.60 to 145.60): V

