

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU011219\
 Data File : VU029143.D
 Acq On : 11 Jan 2019 15:44
 Operator : JC/SP
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 BFB70

Quant Time: Jan 11 23:43:15 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	169319	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.88	114	263076	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.09	117	255016	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.48	152	133730	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	5.31	65	111186	53.12	ug/l	0.00
Spiked Amount			Recovery	=	106.24%	
35) Dibromofluoromethane	4.88	113	93141	54.62	ug/l	0.00
Spiked Amount			Recovery	=	109.24%	
50) Toluene-d8	7.56	98	359389	53.38	ug/l	0.00
Spiked Amount			Recovery	=	106.76%	
62) 4-Bromofluorobenzene	10.30	95	129727	53.62	ug/l	0.00
Spiked Amount			Recovery	=	107.24%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.21	85	85258	50.774	ug/l	97
3) Chloromethane	1.33	50	121514	45.273	ug/l	100
4) Vinyl Chloride	1.40	62	123038	49.722	ug/l	99
5) Bromomethane	1.61	94	61501	48.235	ug/l	98
6) Chloroethane	1.69	64	73408	49.805	ug/l	100
7) Trichlorofluoromethane	1.88	101	136536	50.637	ug/l	99
8) Diethyl Ether	2.10	74	63474	48.999	ug/l	92
9) 1,1,2-Trichlorotrifluoroet	2.28	101	93817	52.001	ug/l	99
10) Methyl Iodide	2.40	142	73932	43.582	ug/l	98
11) Tert butyl alcohol	2.83	59	119422	224.461	ug/l	100
12) 1,1-Dichloroethene	2.28	96	88037	50.133	ug/l	99
13) Acrolein	2.19	56	110446	276.458	ug/l	98
14) Allyl chloride	2.59	41	152160	47.224	ug/l	92
15) Acrylonitrile	2.93	53	337969	258.926	ug/l	99
16) Acetone	2.32	43	399700	303.129	ug/l	99
17) Carbon Disulfide	2.47	76	275978	47.430	ug/l	99
18) Methyl Acetate	2.61	43	166335	54.253	ug/l	99
19) Methyl tert-butyl Ether	3.00	73	316015	51.186	ug/l	100
20) Methylene Chloride	2.70	84	110872	49.524	ug/l	99
21) trans-1,2-Dichloroethene	2.98	96	98440	48.249	ug/l	97
22) Diisopropyl ether	3.57	45	341411	53.613	ug/l	99
23) Vinyl Acetate	3.52	43	1378019	264.701	ug/l	100
24) 1,1-Dichloroethane	3.44	63	193961	52.762	ug/l	99
25) 2-Butanone	4.26	43	500384	280.967	ug/l	100
26) 2,2-Dichloropropane	4.22	77	157969	53.181	ug/l	100
27) cis-1,2-Dichloroethene	4.22	96	113898	51.042	ug/l	99
28) Bromochloromethane	4.55	49	84200	53.491	ug/l	98
29) Tetrahydrofuran	4.63	42	283038	262.032	ug/l	96
30) Chloroform	4.67	83	187483	53.545	ug/l	99
31) Cyclohexane	4.99	56	173836	50.096	ug/l	98
32) 1,1,1-Trichloroethane	4.91	97	151037	52.205	ug/l	97
36) 1,1-Dichloropropene	5.13	75	140501	53.431	ug/l	99
37) Ethyl Acetate	4.38	43	158464	54.901	ug/l	98
38) Carbon Tetrachloride	5.13	117	124378	56.711	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	6.41	83	170529	52.751	ug/l	100
40) Benzene	5.39	78	445519	54.316	ug/l	100
41) Methacrylonitrile	4.54	41	87614	56.707	ug/l	98
42) 1,2-Dichloroethane	5.40	62	142335	57.749	ug/l	99
43) Isopropyl Acetate	5.55	43	245749	55.503	ug/l	99
44) Trichloroethene	6.18	130	105983	52.149	ug/l	98
45) 1,2-Dichloropropane	6.43	63	122346	56.483	ug/l	99
46) Dibromomethane	6.56	93	77774	56.167	ug/l	98
47) Bromodichloromethane	6.75	83	146594	57.501	ug/l	100
48) Methyl methacrylate	6.62	41	123982	57.507	ug/l	98
49) 1,4-Dioxane	6.61	88	51510	1008.168	ug/l	97
51) 4-Methyl-2-Pentanone	7.46	43	842999	279.760	ug/l	99
52) Toluene	7.63	92	271841	54.441	ug/l	100
53) t-1,3-Dichloropropene	7.88	75	166646	54.414	ug/l	100
54) cis-1,3-Dichloropropene	7.27	75	181967	54.987	ug/l	99
55) 1,1,2-Trichloroethane	8.06	97	114474	57.225	ug/l	98
56) Ethyl methacrylate	8.02	69	166991	54.185	ug/l	97
57) 1,3-Dichloropropane	8.24	76	189141	55.257	ug/l	100
58) 2-Chloroethyl Vinyl ether	7.12	63	383419	282.895	ug/l	99
59) 2-Hexanone	8.36	43	680736	287.798	ug/l	98
60) Dibromochloromethane	8.48	129	108550	54.772	ug/l	98
61) 1,2-Dibromoethane	8.58	107	118457	54.600	ug/l	99
64) Tetrachloroethene	8.22	164	97866	53.274	ug/l	98
65) Chlorobenzene	9.12	112	292022	51.086	ug/l	99
66) 1,1,1,2-Tetrachloroethane	9.21	131	101312	54.614	ug/l	99
67) Ethyl Benzene	9.25	91	505817	53.000	ug/l	100
68) m/p-Xylenes	9.37	106	395989	106.788	ug/l	100
69) o-Xylene	9.78	106	187467	52.468	ug/l	98
70) Styrene	9.79	104	322320	55.029	ug/l	99
71) Bromoform	9.95	173	86422	52.321	ug/l #	99
73) Isopropylbenzene	10.16	105	502563	50.772	ug/l	99
74) N-amyl acetate	10.01	43	215281	50.472	ug/l	98
75) 1,1,2,2-Tetrachloroethane	10.46	83	194747	49.090	ug/l	98
76) 1,2,3-Trichloropropane	10.49	75	218262	66.612	ug/l	82
77) Bromobenzene	10.45	156	127921	49.591	ug/l	98
78) n-propylbenzene	10.58	91	619052	53.069	ug/l	99
79) 2-Chlorotoluene	10.66	91	354085	50.039	ug/l	99
80) 1,3,5-Trimethylbenzene	10.77	105	427811	51.756	ug/l	99
81) trans-1,4-Dichloro-2-buten	10.49	75	218262	171.797	ug/l #	100
82) 4-Chlorotoluene	10.77	91	415083	51.157	ug/l	98
83) tert-Butylbenzene	11.10	119	408023	50.082	ug/l	99
84) 1,2,4-Trimethylbenzene	11.15	105	438422	53.125	ug/l	99
85) sec-Butylbenzene	11.32	105	518160	52.589	ug/l	100
86) p-Isopropyltoluene	11.48	119	451556	53.782	ug/l	99
87) 1,3-Dichlorobenzene	11.41	146	238603	50.430	ug/l	98
88) 1,4-Dichlorobenzene	11.50	146	238036	48.739	ug/l	99
89) n-Butylbenzene	11.89	91	433940	57.907	ug/l	99
90) Hexachloroethane	12.14	117	68859	48.751	ug/l	99
91) 1,2-Dichlorobenzene	11.88	146	236482	49.623	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	12.66	75	39399	51.636	ug/l	95

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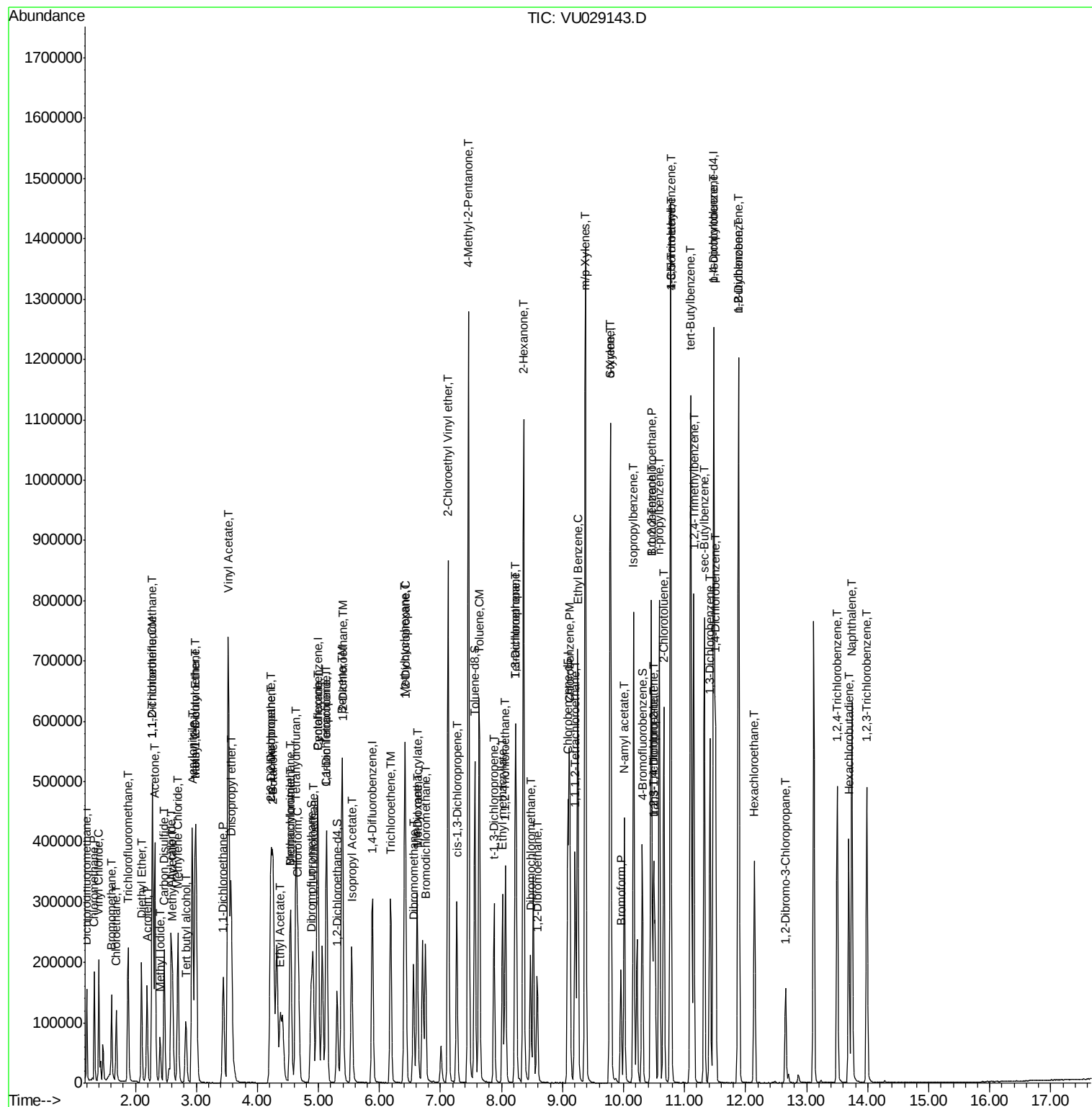
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.50	180	159626	52.472	ug/l	100
94) Hexachlorobutadiene	13.69	225	78352	56.310	ug/l	99
95) Naphthalene	13.74	128	505649	48.861	ug/l	99
96) 1,2,3-Trichlorobenzene	13.99	180	159652	50.964	ug/l	99

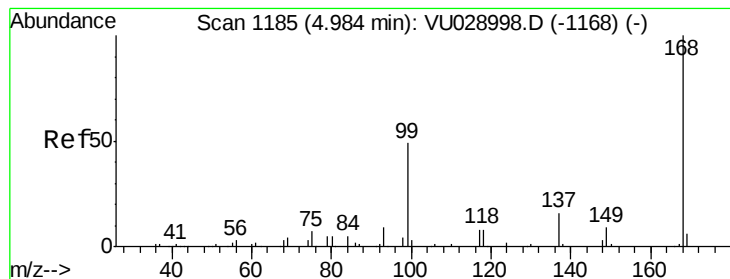
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 4.98 min Scan# 1184

Delta R.T. 0.00 min

Lab File: VU029143.D

Acq: 11 Jan 2019 15:44

Instrument :

MSVOA_U

ClientSampleId :

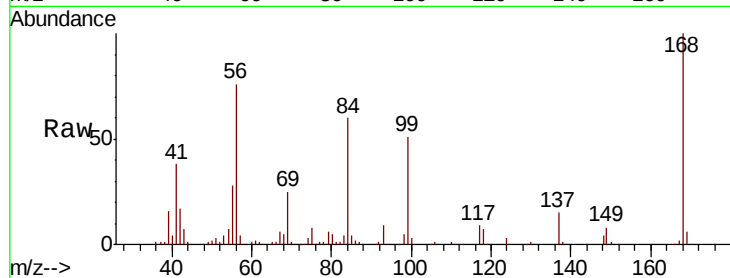
BFB70

Tgt Ion:168 Resp: 169319

Ion Ratio Lower Upper

168 100

99 51.0 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

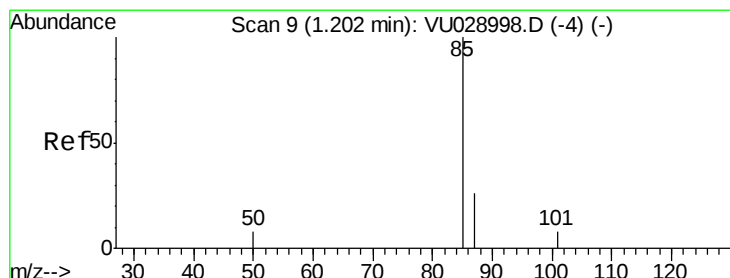
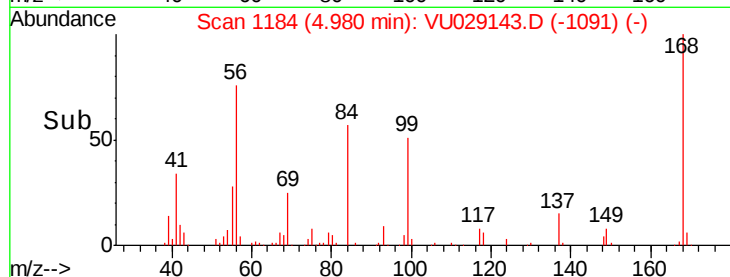
40000

20000

0

4.90 4.95 5.00 5.05 5.10

Time-->



#2

Dichlorodifluoromethane

Concen: 50.774 ug/l

RT: 1.21 min Scan# 10

Delta R.T. 0.00 min

Lab File: VU029143.D

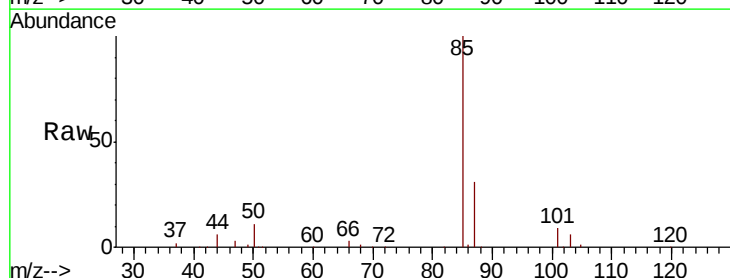
Acq: 11 Jan 2019 15:44

Tgt Ion: 85 Resp: 85258

Ion Ratio Lower Upper

85 100

87 30.7 16.3 48.8



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

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

1.21

100000

80000

60000

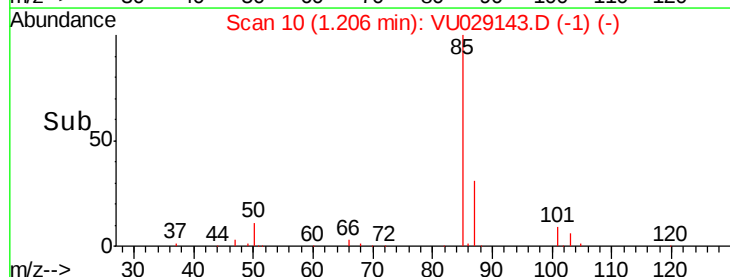
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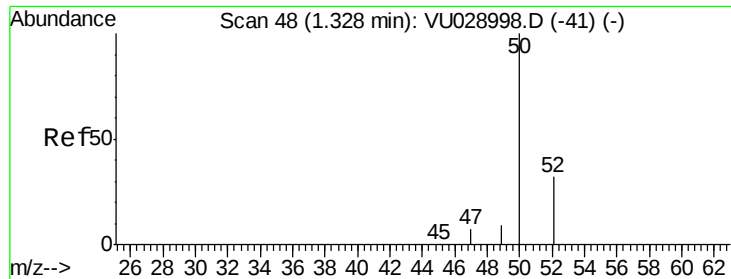
20000

0

1.15 1.20 1.25

Time-->





#3

Chloromethane

Concen: 45.273 ug/l

RT: 1.33 min Scan# 48

Delta R.T. 0.00 min

Lab File: VU029143.D

Acq: 11 Jan 2019 15:44

Instrument :

MSVOA_U

ClientSampleId :

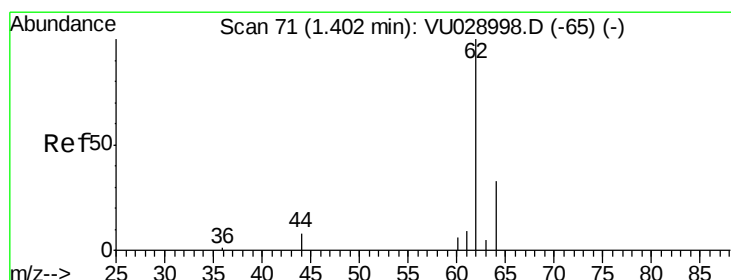
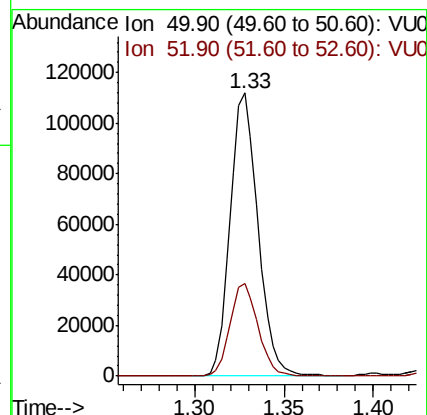
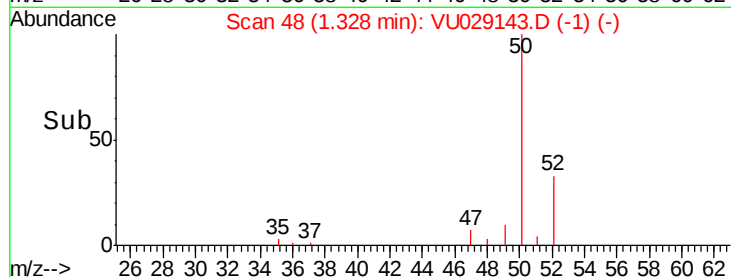
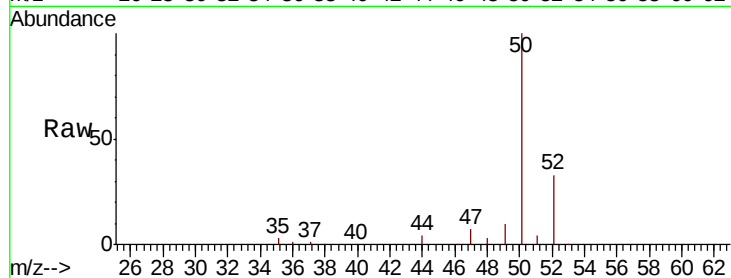
BFB70

Tgt Ion: 50 Resp: 121514

Ion Ratio Lower Upper

50 100

52 32.7 26.1 39.1



#4

Vinyl Chloride

Concen: 49.722 ug/l

RT: 1.40 min Scan# 71

Delta R.T. 0.00 min

Lab File: VU029143.D

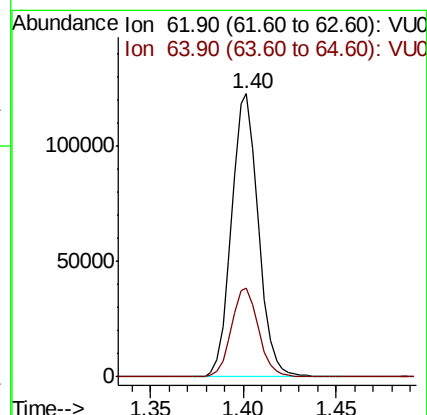
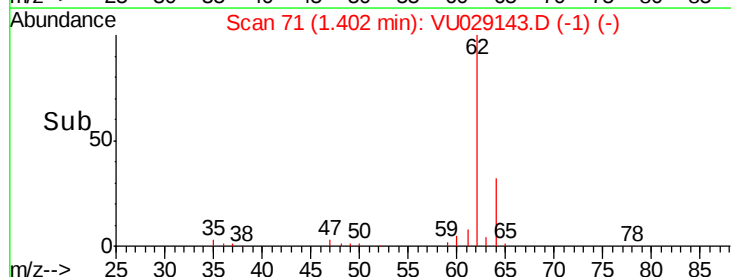
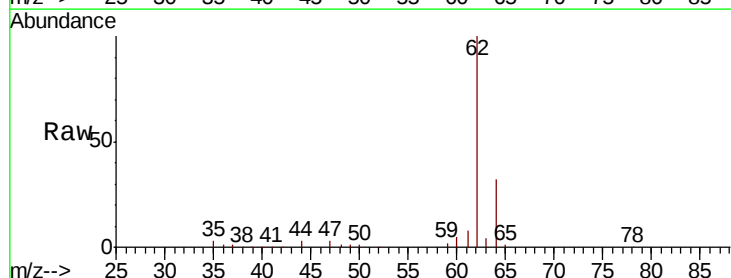
Acq: 11 Jan 2019 15:44

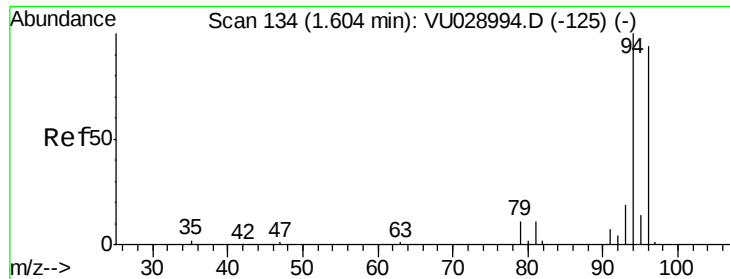
Tgt Ion: 62 Resp: 123038

Ion Ratio Lower Upper

62 100

64 31.6 25.9 38.9

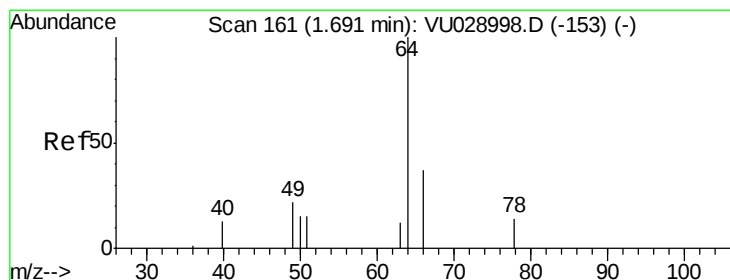
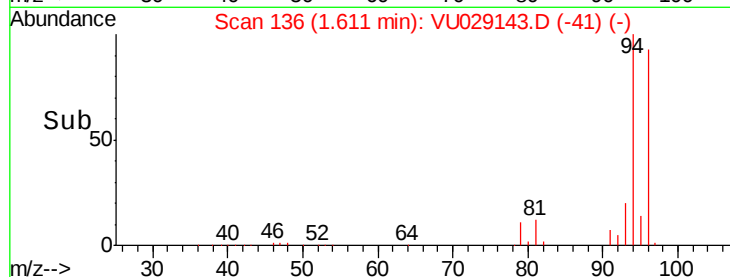
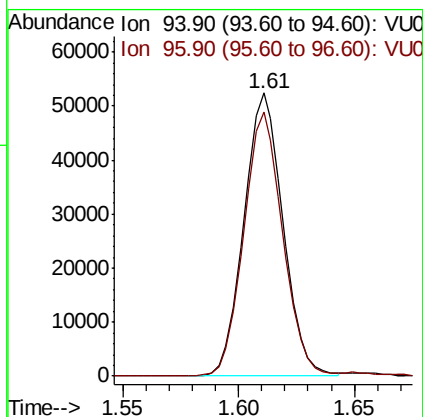
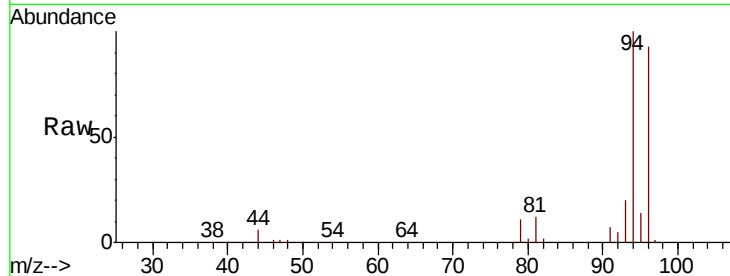




#5
Bromomethane
Concen: 48.235 ug/l
RT: 1.61 min Scan# 136
Delta R.T. 0.01 min
Lab File: VU029143.D
Acq: 11 Jan 2019 15:44

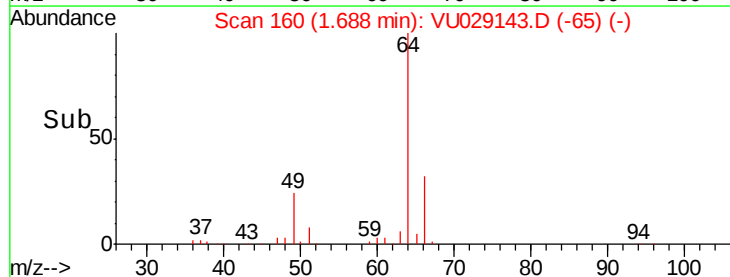
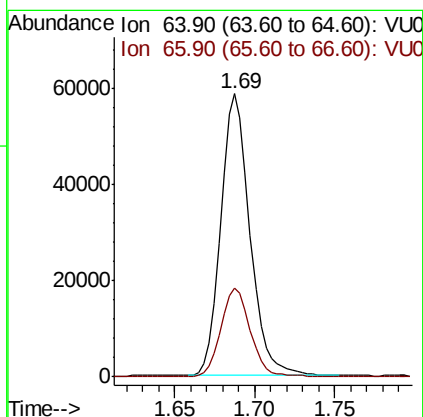
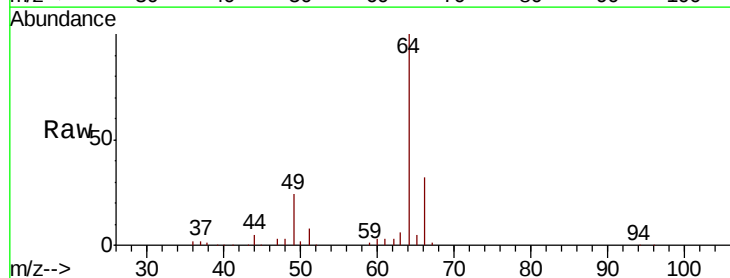
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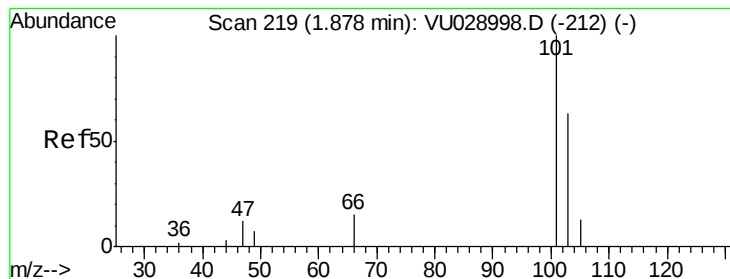
Tgt Ion: 94 Resp: 61501
Ion Ratio Lower Upper
94 100
96 92.9 75.5 113.3



#6
Chloroethane
Concen: 49.805 ug/l
RT: 1.69 min Scan# 160
Delta R.T. 0.01 min
Lab File: VU029143.D
Acq: 11 Jan 2019 15:44

Tgt Ion: 64 Resp: 73408
Ion Ratio Lower Upper
64 100
66 31.7 25.2 37.8



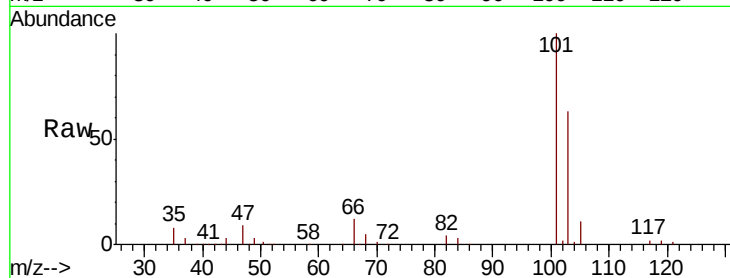


#7

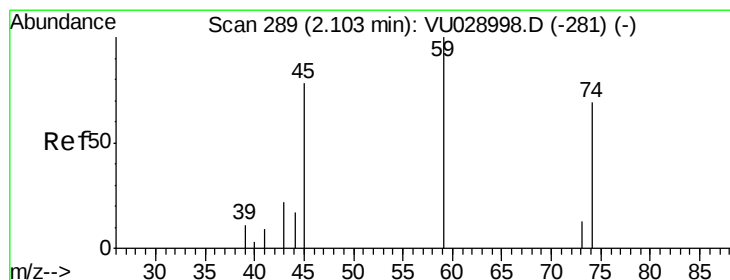
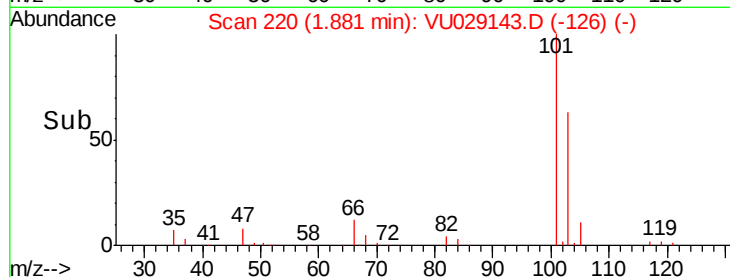
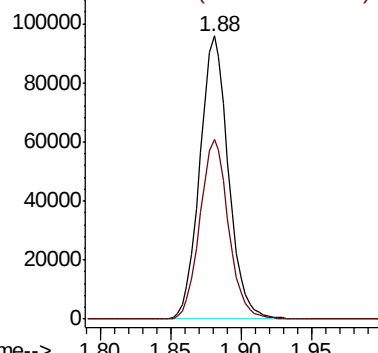
Trichlorofluoromethane
Concen: 50.637 ug/l
RT: 1.88 min Scan# 220
Delta R.T. 0.00 min
Lab File: VU029143.D
Acq: 11 Jan 2019 15:44

Instrument :
MSVOA_U
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Tgt Ion: 101 Resp: 136536
Ion Ratio Lower Upper
101 100
103 63.4 51.5 77.3



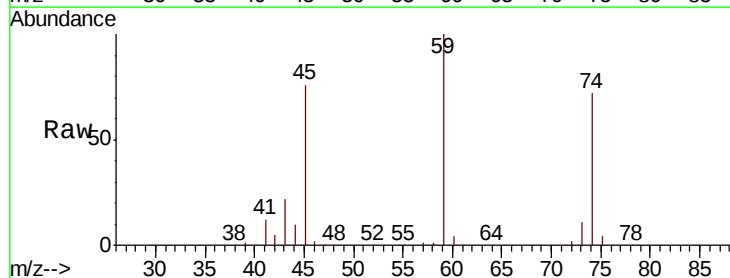
Abundance Ion 100.90 (100.60 to 101.60): V
Ion 102.80 (102.50 to 103.50): V



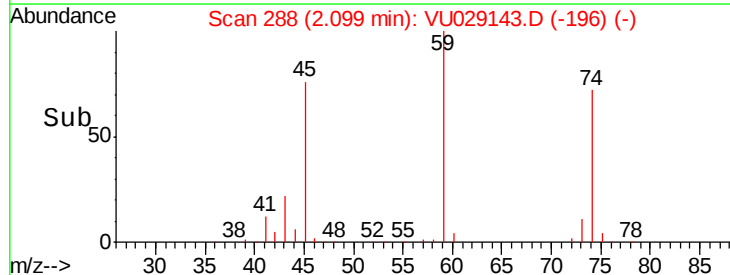
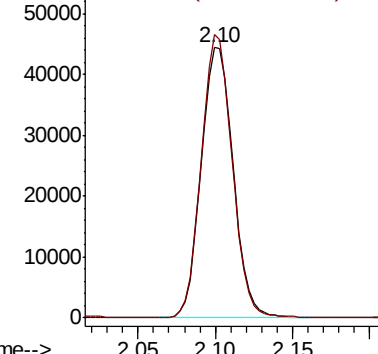
#8

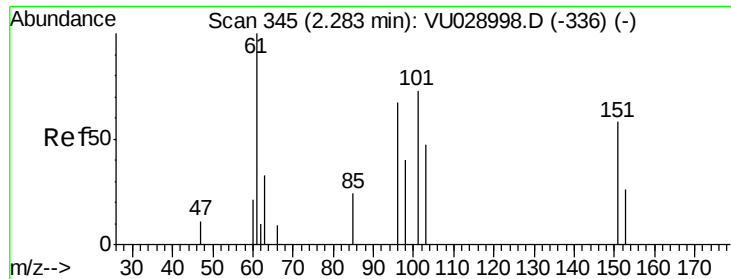
Diethyl Ether
Concen: 48.999 ug/l
RT: 2.10 min Scan# 288
Delta R.T. -0.00 min
Lab File: VU029143.D
Acq: 11 Jan 2019 15:44

Tgt Ion: 74 Resp: 63474
Ion Ratio Lower Upper
74 100
45 101.3 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: 52.001 ug/l

RT: 2.28 min Scan# 344

Delta R.T. 0.00 min

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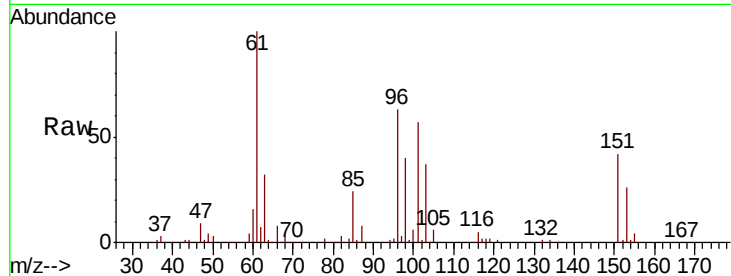
Tgt Ion:101 Resp: 93817

Ion Ratio Lower Upper

101 100

85 43.5 35.1 52.7

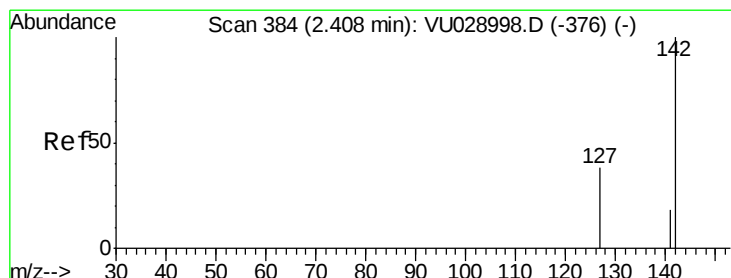
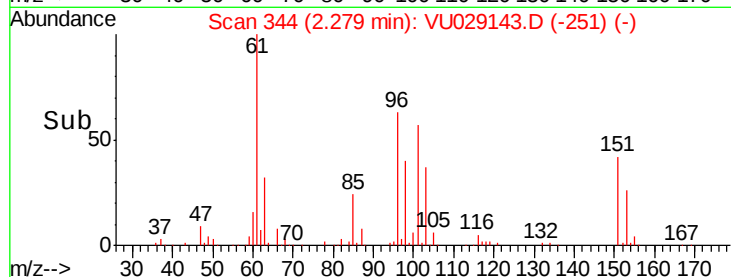
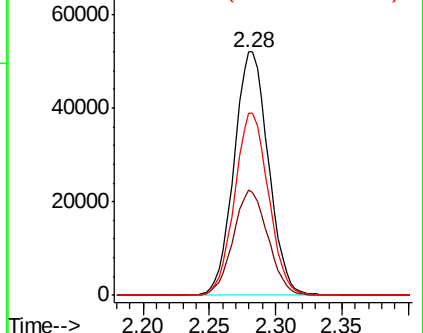
151 74.0 60.2 90.2



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: 43.582 ug/l

RT: 2.40 min Scan# 383

Delta R.T. 0.00 min

Lab File: VU029143.D

Acq: 11 Jan 2019 15:44

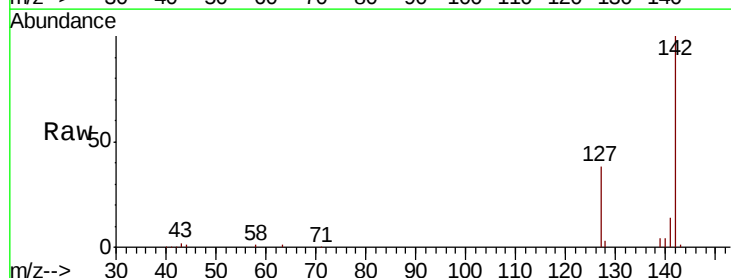
Tgt Ion:142 Resp: 73932

Ion Ratio Lower Upper

142 100

127 38.3 29.8 44.6

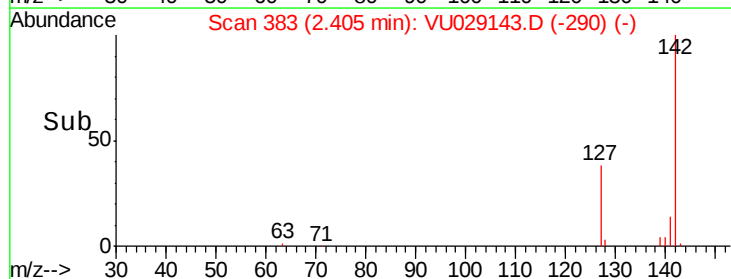
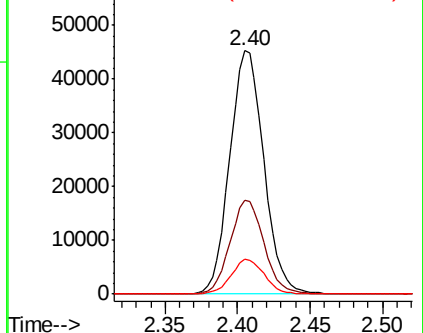
141 13.8 11.5 17.3

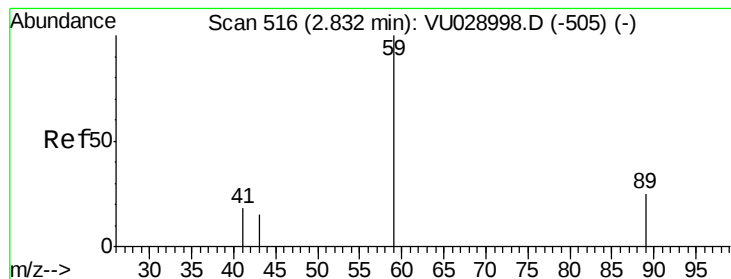


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



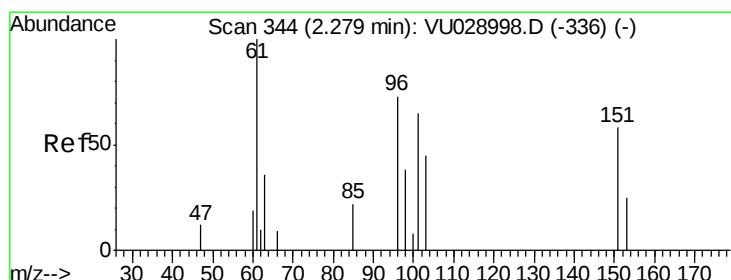
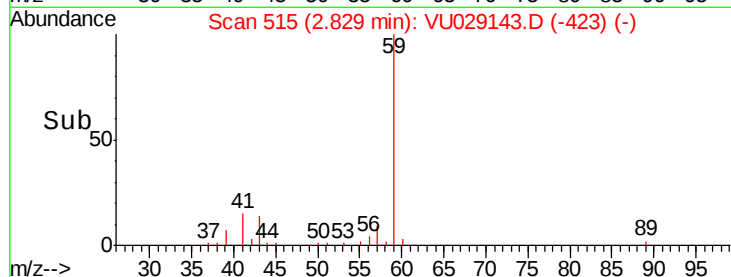
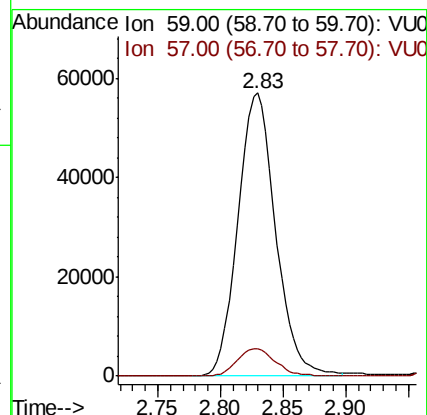
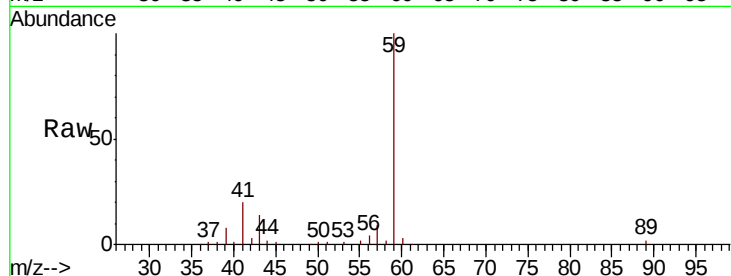


#11

Tert butyl alcohol
 Concen: 224.461 ug/l
 RT: 2.83 min Scan# 515
 Delta R.T. -0.00 min
 Lab File: VU029143.D
 Acq: 11 Jan 2019 15:44

Instrument :
 MSVOA_U
 ClientSampleId :
 BFB70

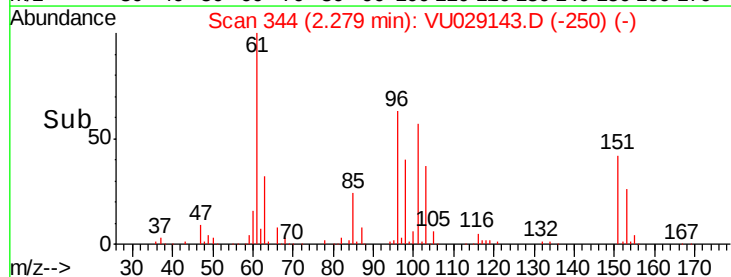
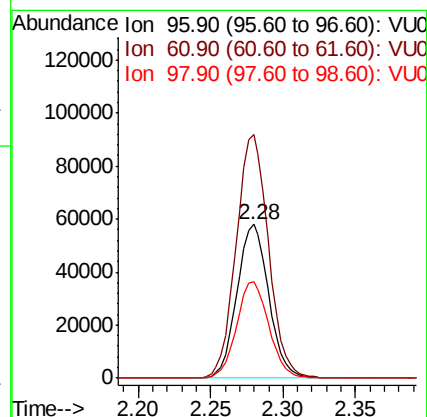
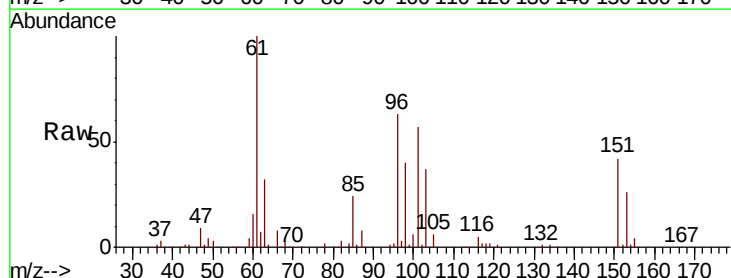
Tgt Ion: 59 Resp: 119422
 Ion Ratio Lower Upper
 59 100
 57 10.0 7.9 11.9

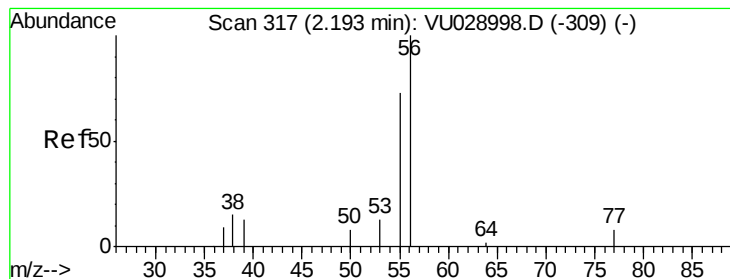


#12

1,1-Dichloroethene
 Concen: 50.133 ug/l
 RT: 2.28 min Scan# 344
 Delta R.T. 0.00 min
 Lab File: VU029143.D
 Acq: 11 Jan 2019 15:44

Tgt Ion: 96 Resp: 88037
 Ion Ratio Lower Upper
 96 100
 61 158.5 125.4 188.0
 98 62.9 49.7 74.5





#13

Acrolein

Concen: 276.458 ug/l

RT: 2.19 min Scan# 317

Delta R.T. 0.00 min

Lab File: VU029143.D

Acq: 11 Jan 2019 15:44

Instrument :

MSVOA_U

ClientSampleId :

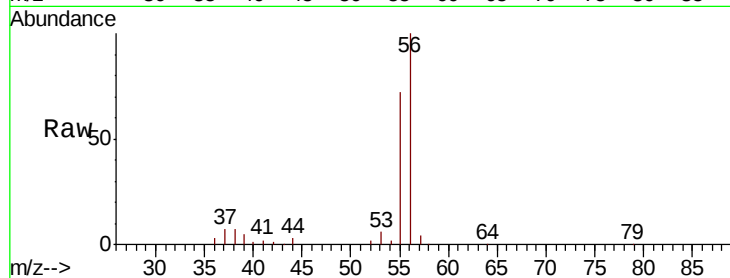
BFB70

Tgt Ion: 56 Resp: 110446

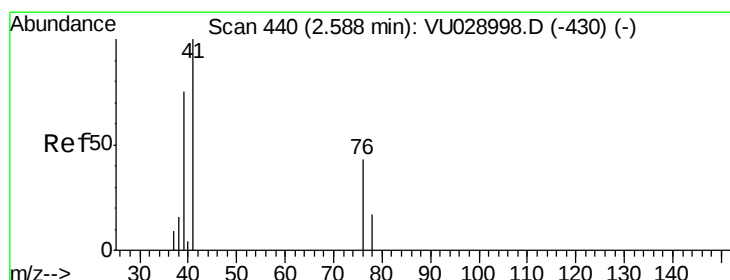
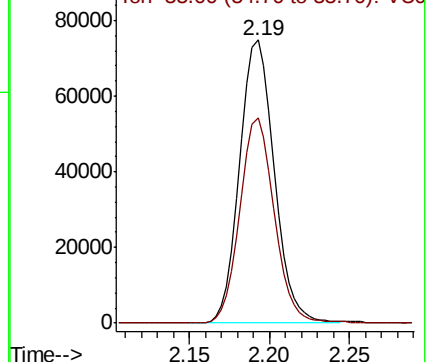
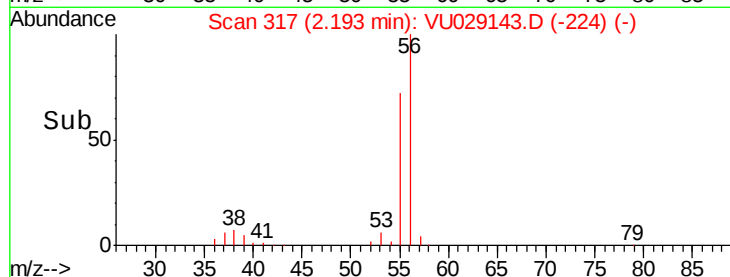
Ion Ratio Lower Upper

56 100

55 72.1 56.5 84.7



Abundance Ion 56.00 (55.70 to 56.70): VU029143.D (-224) (-)



#14

Allyl chloride

Concen: 47.224 ug/l

RT: 2.59 min Scan# 440

Delta R.T. 0.00 min

Lab File: VU029143.D

Acq: 11 Jan 2019 15:44

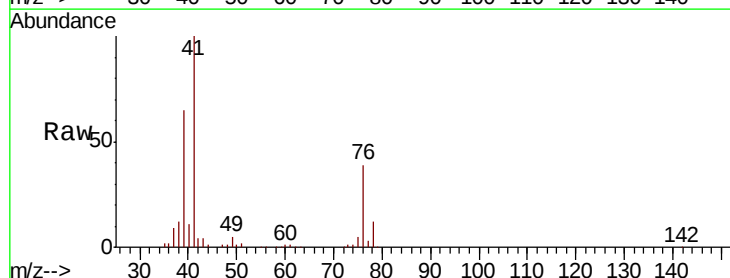
Tgt Ion: 41 Resp: 152160

Ion Ratio Lower Upper

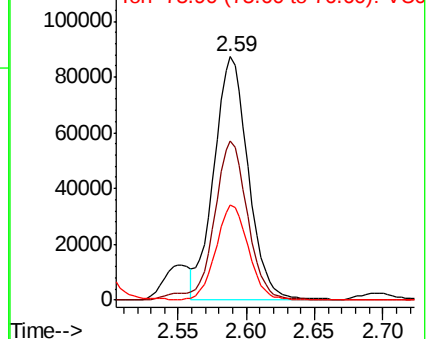
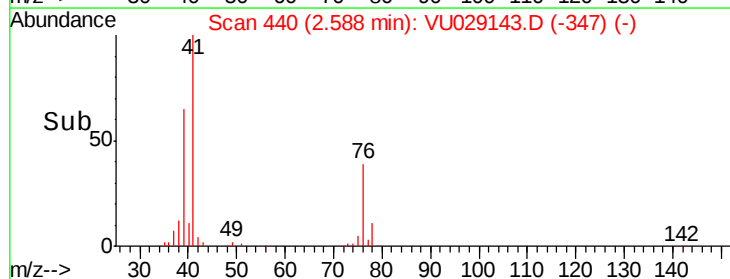
41 100

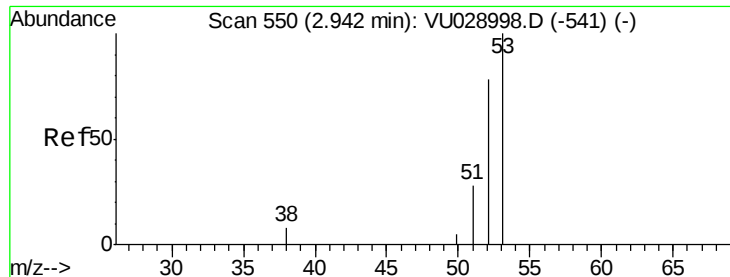
39 64.4 45.0 67.6

76 37.1 28.1 42.1



Abundance Ion 41.00 (40.70 to 41.70): VU029143.D (-347) (-)





#15

Acrylonitrile

Concen: 258.926 ug/l

RT: 2.93 min Scan# 547

Delta R.T. 0.00 min

Lab File: VU029143.D

Acq: 11 Jan 2019 15:44

Instrument :

MSVOA_U

ClientSampleId :

BFB70

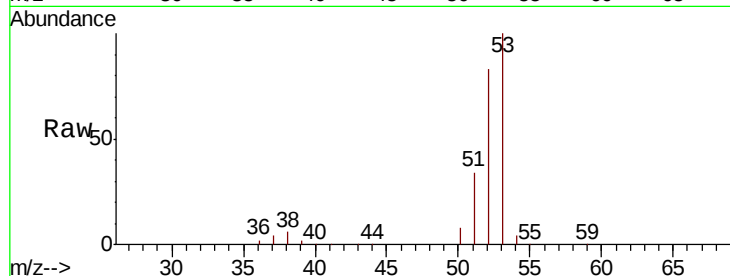
Tgt Ion: 53 Resp: 337969

Ion Ratio Lower Upper

53 100

52 81.9 64.8 97.2

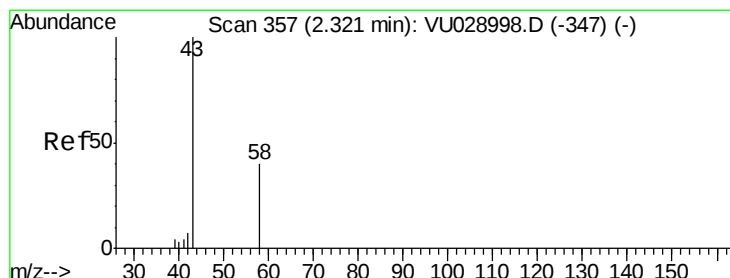
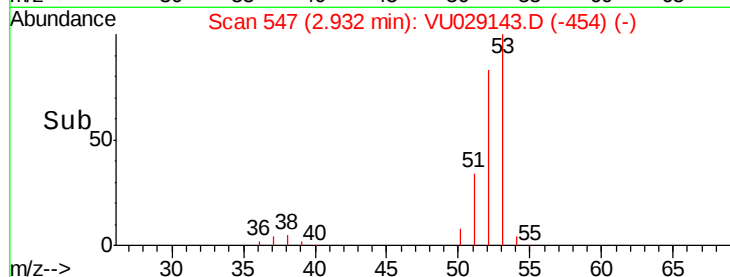
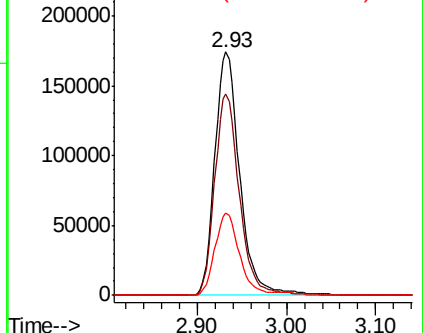
51 33.3 27.3 40.9



Abundance Ion 53.00 (52.70 to 53.70): VU0

Ion 52.00 (51.70 to 52.70): VU0

Ion 51.00 (50.70 to 51.70): VU0



#16

Acetone

Concen: 303.129 ug/l

RT: 2.32 min Scan# 357

Delta R.T. 0.00 min

Lab File: VU029143.D

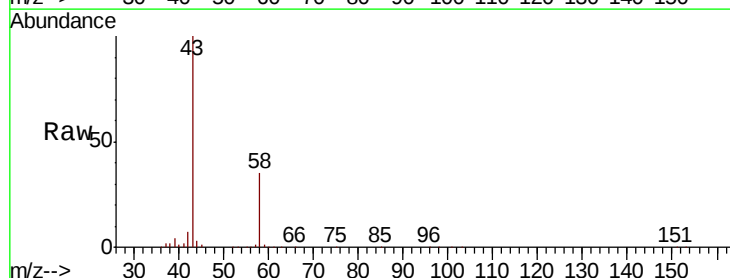
Acq: 11 Jan 2019 15:44

Tgt Ion: 43 Resp: 399700

Ion Ratio Lower Upper

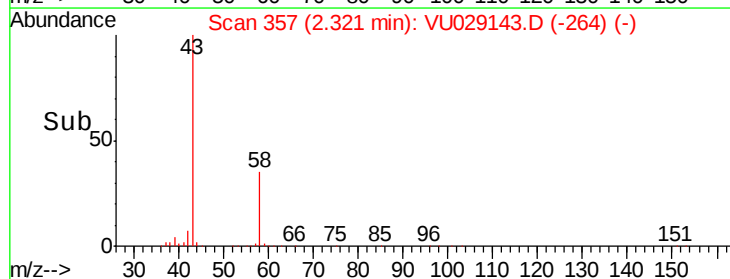
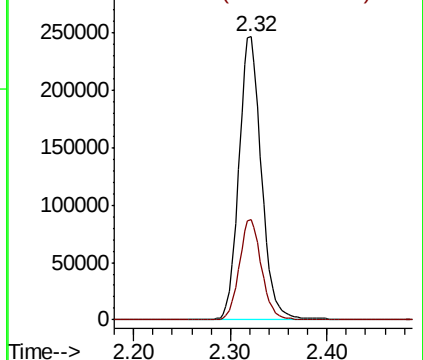
43 100

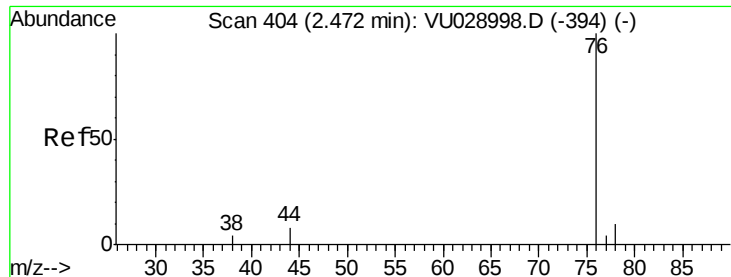
58 35.4 28.6 42.8



Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 58.00 (57.70 to 58.70): VU0





#17

Carbon Disulfide

Concen: 47.430 ug/l

RT: 2.47 min Scan# 404

Delta R.T. 0.00 min

Lab File: VU029143.D

Acq: 11 Jan 2019 15:44

Instrument :

MSVOA_U

ClientSampleId :

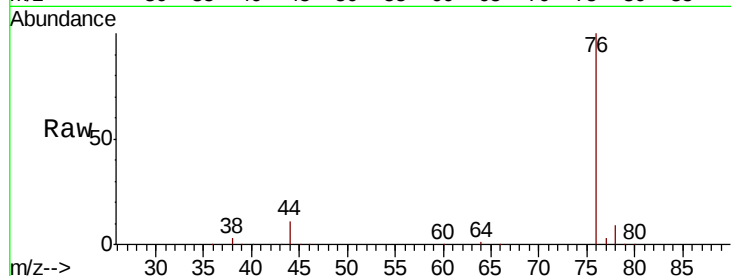
BFB70

Tgt Ion: 76 Resp: 275978

Ion Ratio Lower Upper

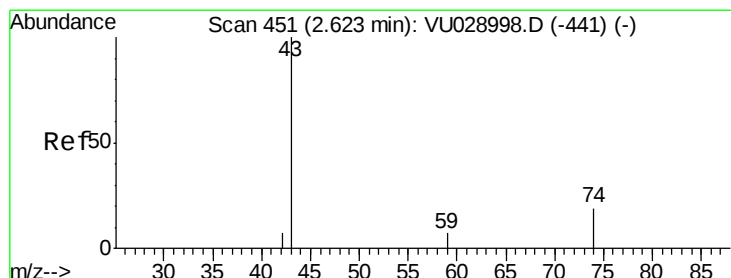
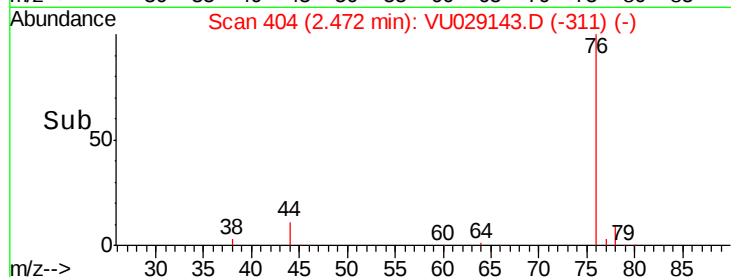
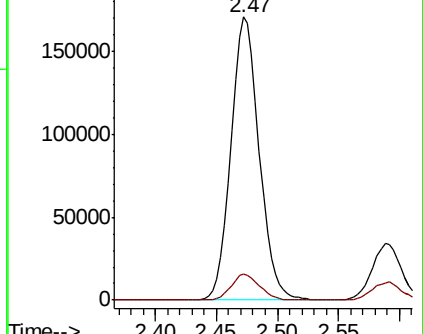
76 100

78 9.2 7.2 10.8



Abundance Ion 75.90 (75.60 to 76.60): VU028998.D (-394) (-)

Ion 77.90 (77.60 to 78.60): VU028998.D (-394) (-)



#18

Methyl Acetate

Concen: 54.253 ug/l

RT: 2.61 min Scan# 448

Delta R.T. 0.00 min

Lab File: VU029143.D

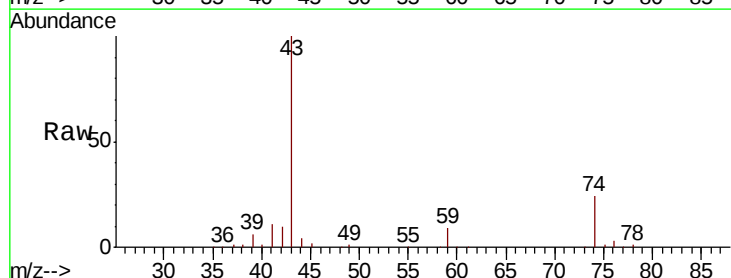
Acq: 11 Jan 2019 15:44

Tgt Ion: 43 Resp: 166335

Ion Ratio Lower Upper

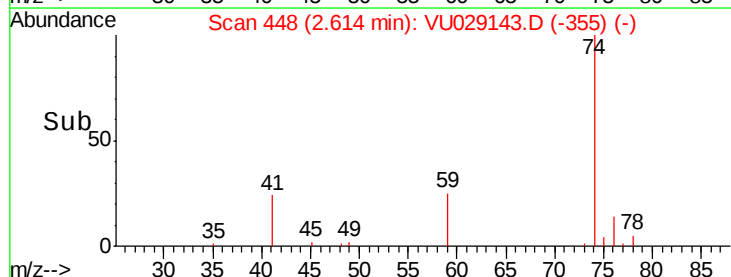
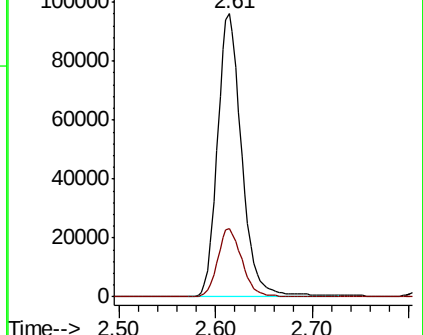
43 100

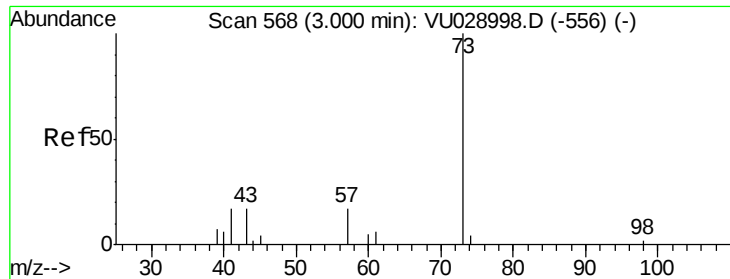
74 24.7 19.5 29.3



Abundance Ion 43.00 (42.70 to 43.70): VU028998.D (-441) (-)

Ion 74.00 (73.70 to 74.70): VU028998.D (-441) (-)

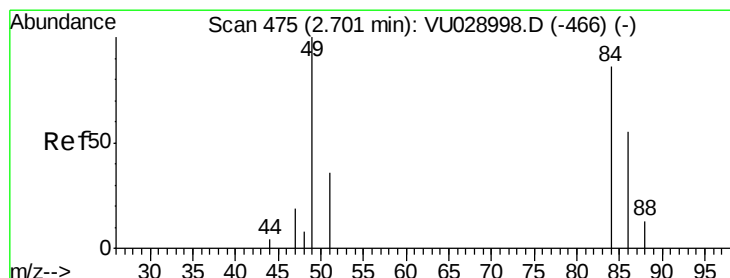
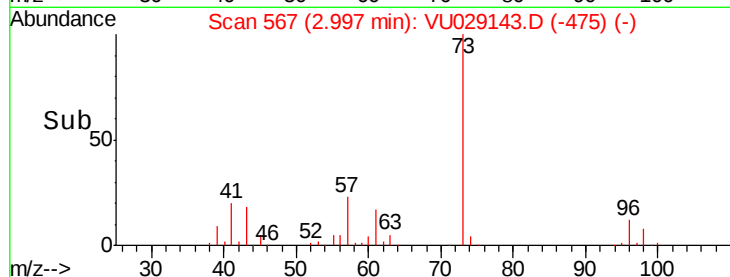
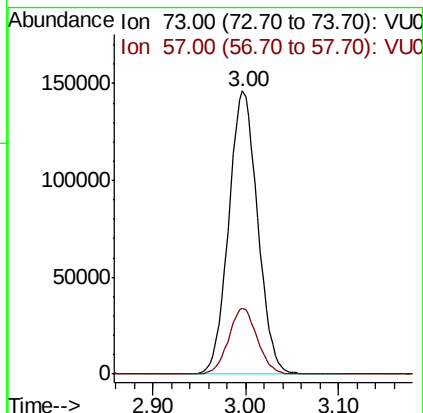
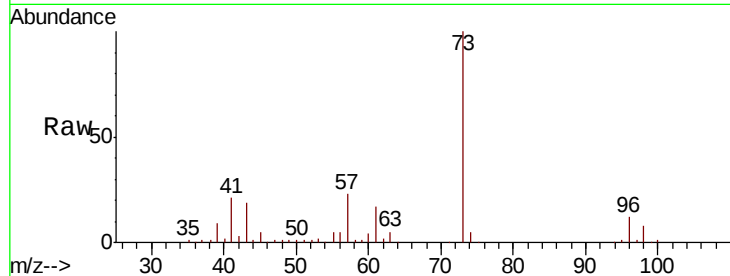




#19
Methyl tert-butyl Ether
Concen: 51.186 ug/l
RT: 3.00 min Scan# 567
Delta R.T. -0.00 min
Lab File: VU029143.D
Acq: 11 Jan 2019 15:44

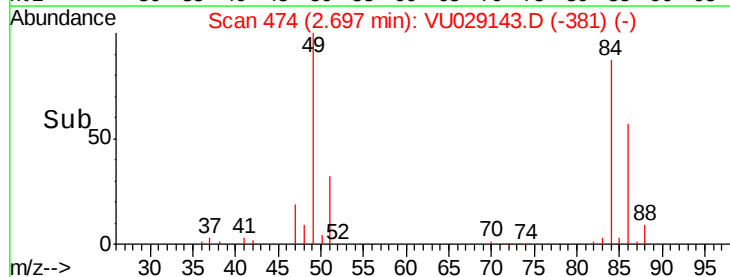
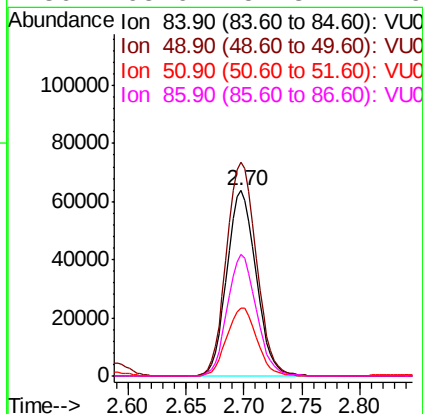
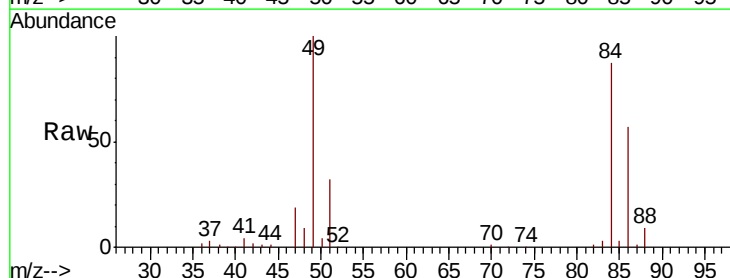
Instrument :
MSVOA_U
ClientSampleId :
BFB70

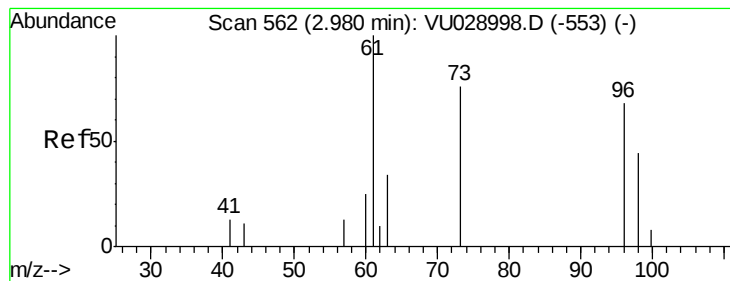
Tgt Ion: 73 Resp: 316015
Ion Ratio Lower Upper
73 100
57 23.3 18.6 28.0



#20
Methylene Chloride
Concen: 49.524 ug/l
RT: 2.70 min Scan# 474
Delta R.T. 0.00 min
Lab File: VU029143.D
Acq: 11 Jan 2019 15:44

Tgt Ion: 84 Resp: 110872
Ion Ratio Lower Upper
84 100
49 115.4 91.9 137.9
51 36.8 29.2 43.8
86 65.6 51.8 77.6





#21

trans-1,2-Dichloroethene

Concen: 48.249 ug/l

RT: 2.98 min Scan# 561

Delta R.T. 0.00 min

Lab File: VU029143.D

Acq: 11 Jan 2019 15:44

Instrument :

MSVOA_U

ClientSampleId :

BFB70

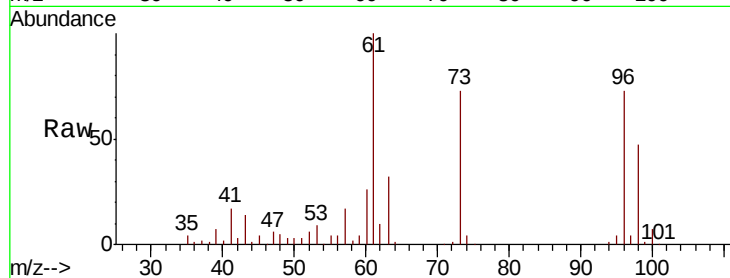
Tgt Ion: 96 Resp: 98440

Ion Ratio Lower Upper

96 100

61 137.5 107.7 161.5

98 64.5 49.2 73.8

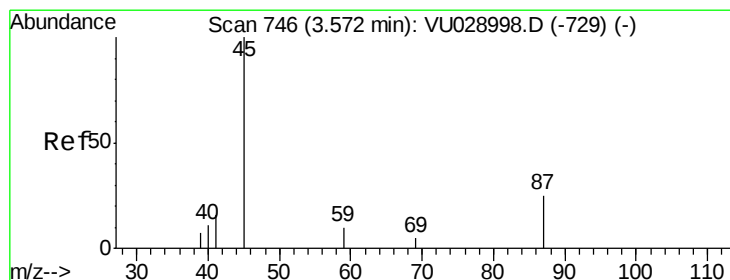
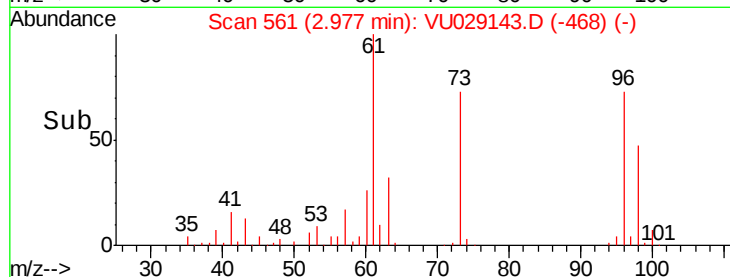
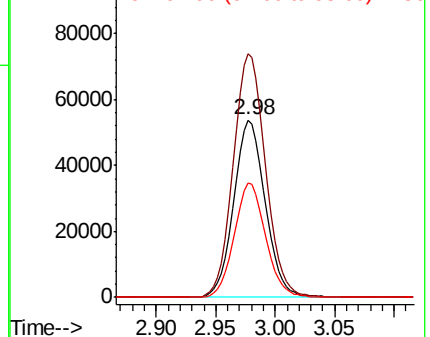


Abundance

Ion 95.90 (95.60 to 96.60): VU0

Ion 60.90 (60.60 to 61.60): VU0

Ion 97.90 (97.60 to 98.60): VU0



#22

Diisopropyl ether

Concen: 53.613 ug/l

RT: 3.57 min Scan# 745

Delta R.T. 0.00 min

Lab File: VU029143.D

Acq: 11 Jan 2019 15:44

Tgt Ion: 45 Resp: 341411

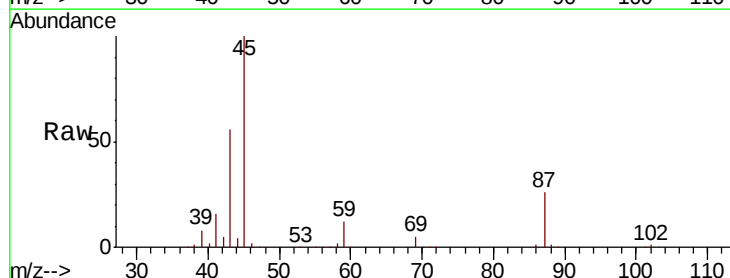
Ion Ratio Lower Upper

45 100

43 55.9 44.7 67.1

87 26.5 22.2 33.2

59 11.9 9.8 14.8



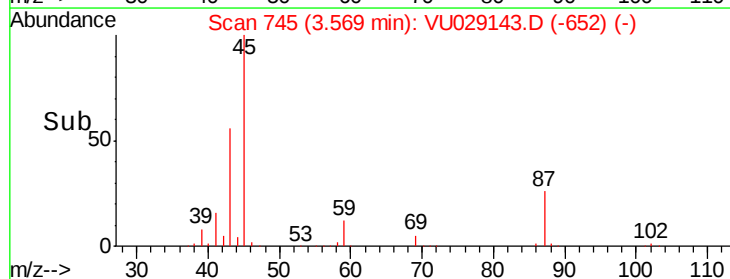
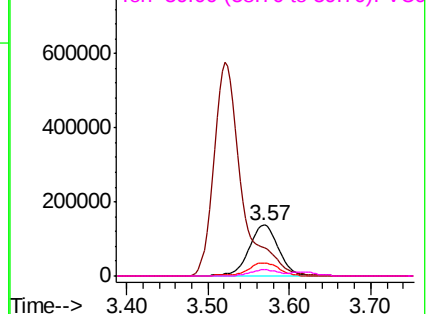
Abundance

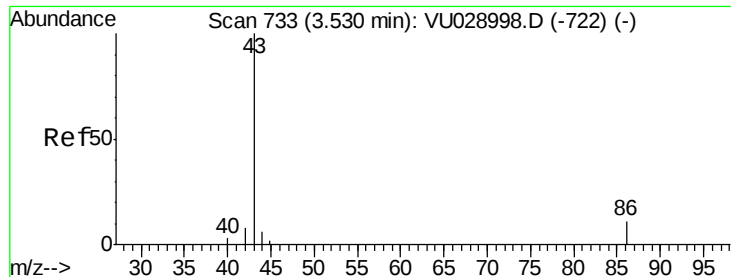
Ion 45.00 (44.70 to 45.70): VU0

Ion 43.00 (42.70 to 43.70): VU0

Ion 87.00 (86.70 to 87.70): VU0

Ion 59.00 (58.70 to 59.70): VU0





#23

Vinyl Acetate

Concen: 264.701 ug/l

RT: 3.52 min Scan# 730

Delta R.T. 0.00 min

Lab File: VU029143.D

Acq: 11 Jan 2019 15:44

Instrument :

MSVOA_U

ClientSampleId :

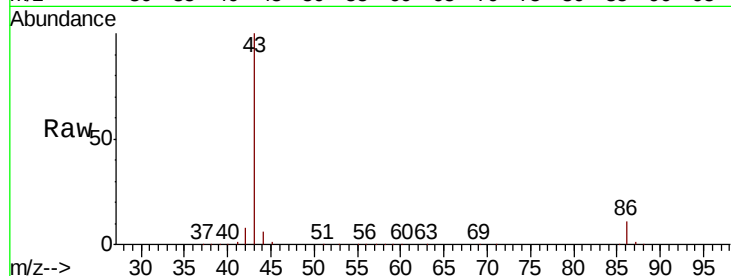
BFB70

Tgt Ion: 43 Resp: 1378019

Ion Ratio Lower Upper

43 100

86 10.7 8.6 13.0



Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 86.00 (85.70 to 86.70): VU0

3.52

600000

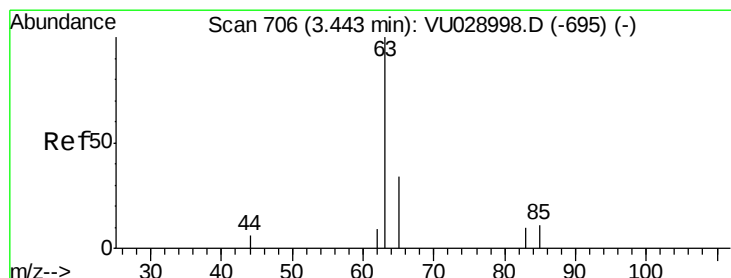
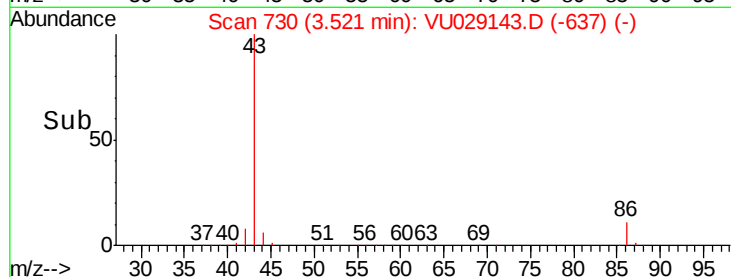
400000

200000

0

Time-->

3.40 3.50 3.60 3.70



#24

1,1-Dichloroethane

Concen: 52.762 ug/l

RT: 3.44 min Scan# 705

Delta R.T. -0.00 min

Lab File: VU029143.D

Acq: 11 Jan 2019 15:44

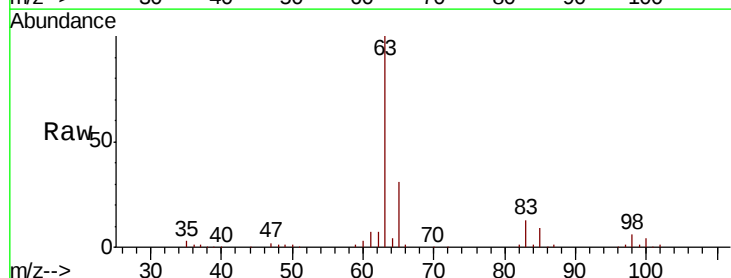
Tgt Ion: 63 Resp: 193961

Ion Ratio Lower Upper

63 100

98 6.5 3.4 10.1

100 4.2 2.0 5.8



Abundance Ion 62.90 (62.60 to 63.60): VU0

Ion 97.90 (97.60 to 98.60): VU0

Ion 99.90 (99.60 to 100.60): VU0

3.44

120000

100000

80000

60000

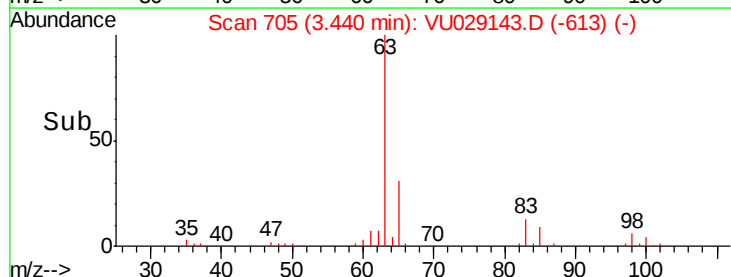
40000

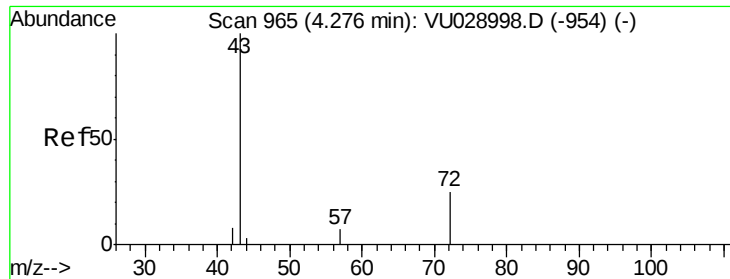
20000

0

Time-->

3.40 3.50





#25

2-Butanone

Concen: 280.967 ug/l

RT: 4.26 min Scan# 959

Delta R.T. -0.00 min

Lab File: VU029143.D

Acq: 11 Jan 2019 15:44

Instrument :

MSVOA_U

ClientSampleId :

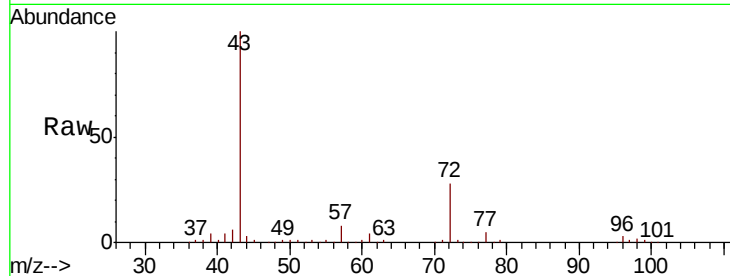
BFB70

Tgt Ion: 43 Resp: 500384

Ion Ratio Lower Upper

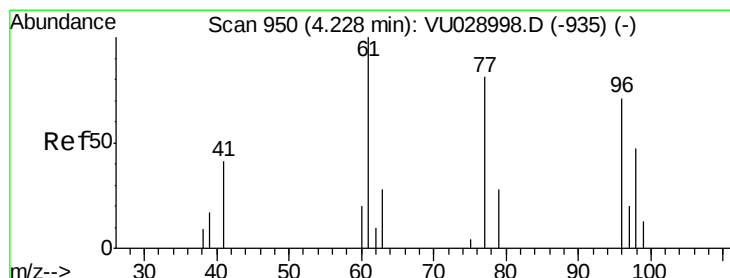
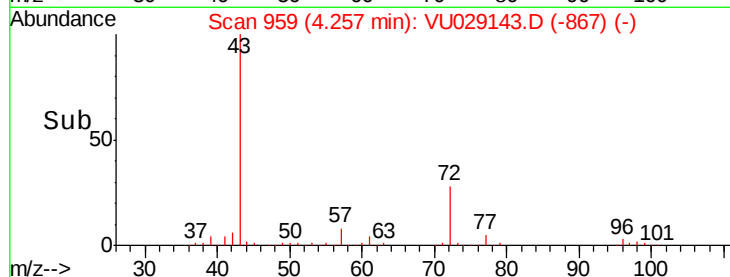
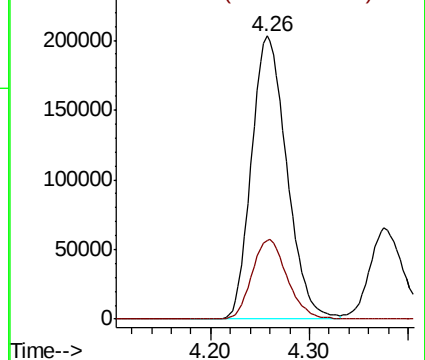
43 100

72 28.0 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: 53.181 ug/l

RT: 4.22 min Scan# 948

Delta R.T. -0.00 min

Lab File: VU029143.D

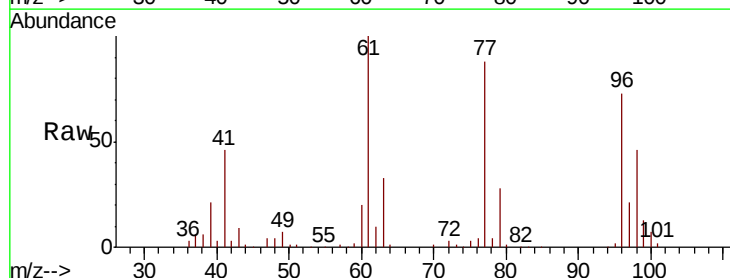
Acq: 11 Jan 2019 15:44

Tgt Ion: 77 Resp: 157969

Ion Ratio Lower Upper

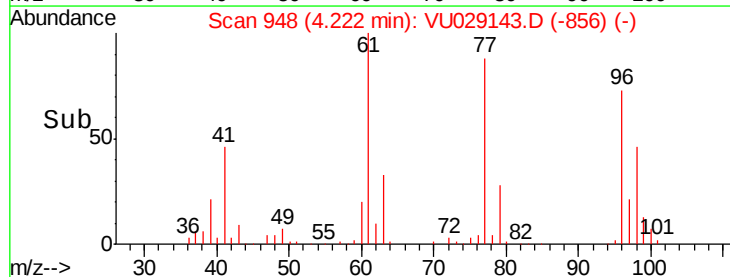
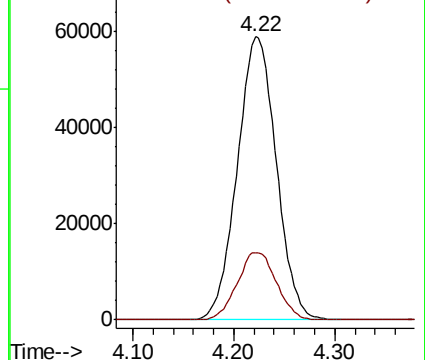
77 100

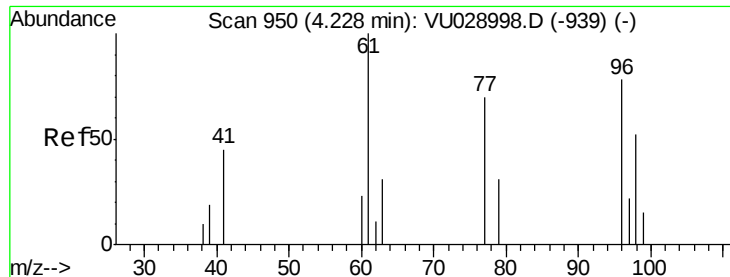
97 23.9 12.0 36.1



Abundance Ion 76.90 (76.60 to 77.60): VU0

Ion 96.90 (96.60 to 97.60): VU0



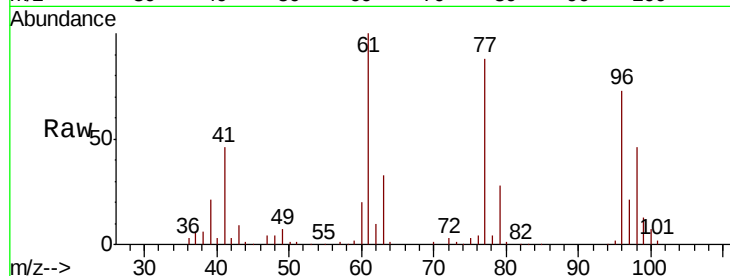


#27

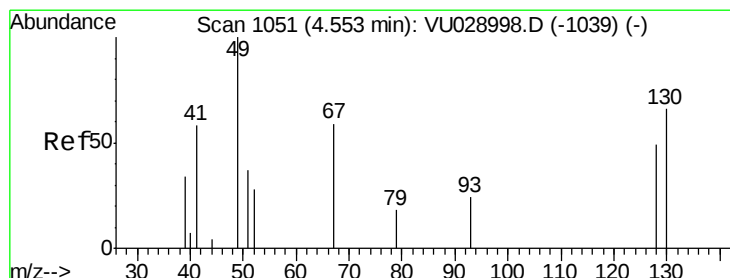
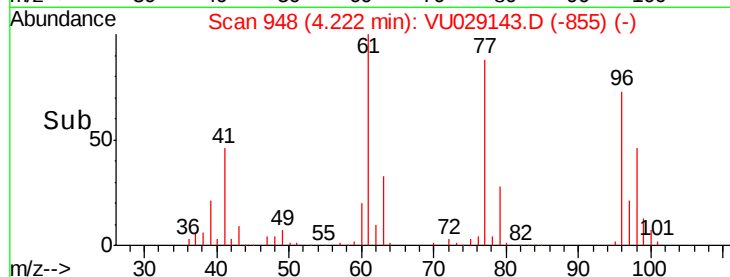
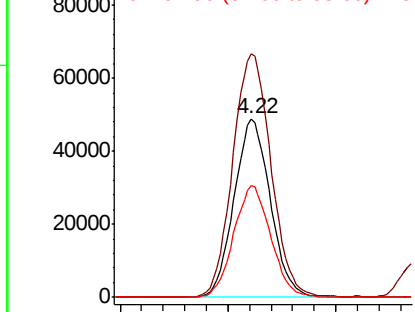
cis-1,2-Dichloroethene
Concen: 51.042 ug/l
RT: 4.22 min Scan# 948
Delta R.T. 0.00 min
Lab File: VU029143.D
Acq: 11 Jan 2019 15:44

Instrument :
MSVOA_U
ClientSampled :
BFB70

Tgt Ion: 96 Resp: 113898
Ion Ratio Lower Upper
96 100
61 144.0 0.0 285.6
98 63.7 0.0 130.2



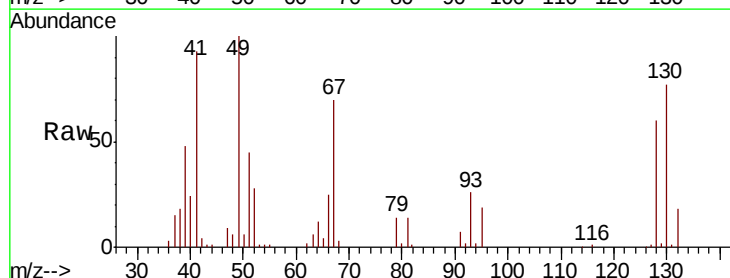
Abundance Ion 95.90 (95.60 to 96.60): VU0
Ion 60.90 (60.60 to 61.60): VU0
Ion 97.90 (97.60 to 98.60): VU0



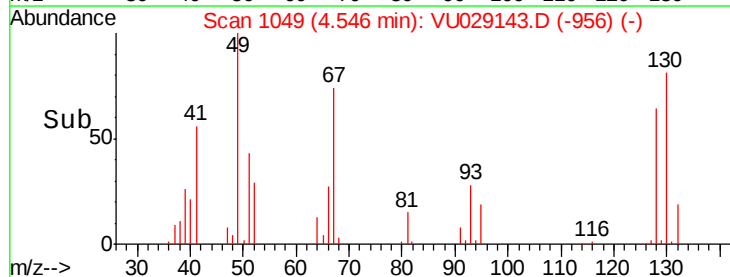
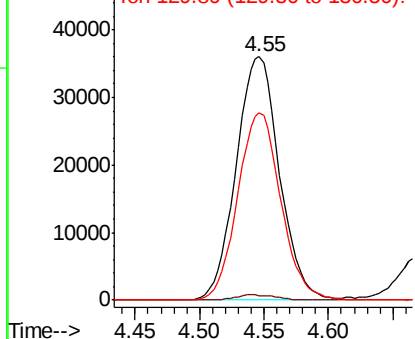
#28

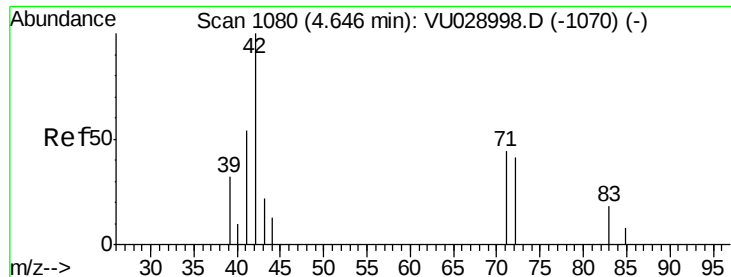
Bromochloromethane
Concen: 53.491 ug/l
RT: 4.55 min Scan# 1049
Delta R.T. 0.00 min
Lab File: VU029143.D
Acq: 11 Jan 2019 15:44

Tgt Ion: 49 Resp: 84200
Ion Ratio Lower Upper
49 100
129 1.9 0.0 3.4
130 76.6 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: 262.032 ug/l

RT: 4.63 min Scan# 1076

Delta R.T. 0.00 min

Lab File: VU029143.D

Acq: 11 Jan 2019 15:44

Instrument :

MSVOA_U

ClientSampleId :

BFB70

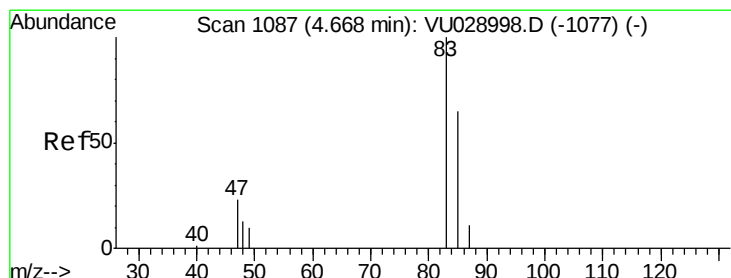
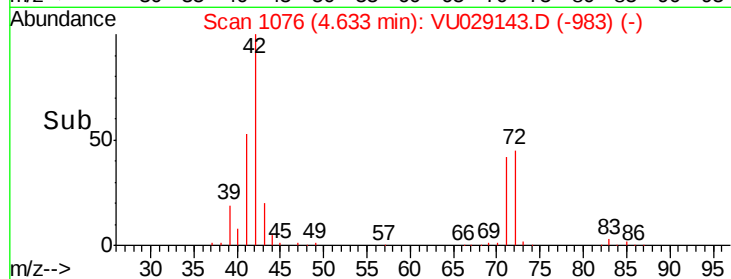
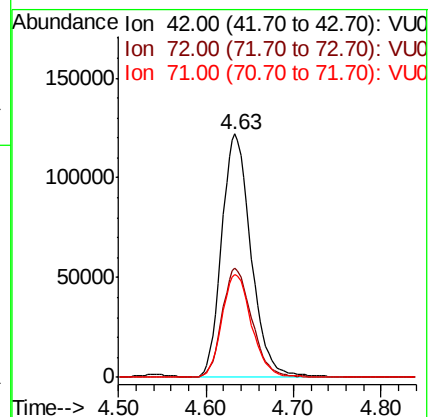
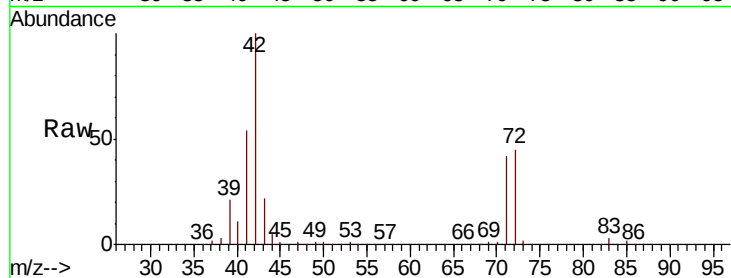
Tgt Ion: 42 Resp: 283038

Ion Ratio Lower Upper

42 100

72 45.5 38.3 57.5

71 42.8 36.1 54.1



#30

Chloroform

Concen: 53.545 ug/l

RT: 4.67 min Scan# 1087

Delta R.T. -0.00 min

Lab File: VU029143.D

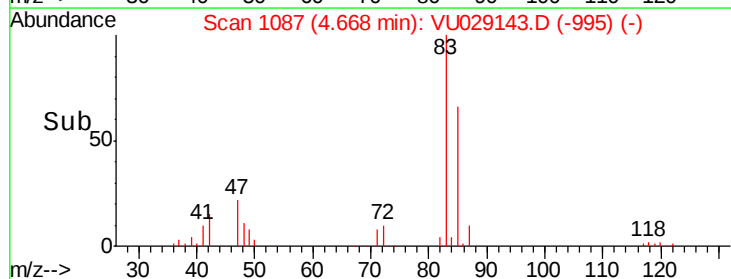
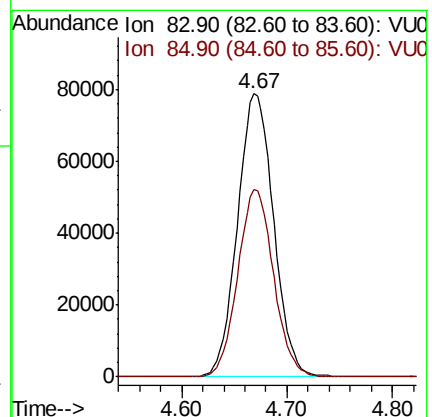
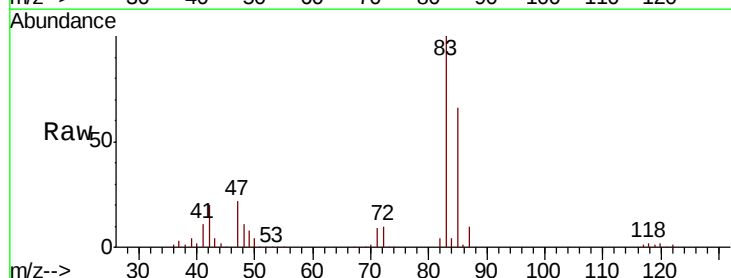
Acq: 11 Jan 2019 15:44

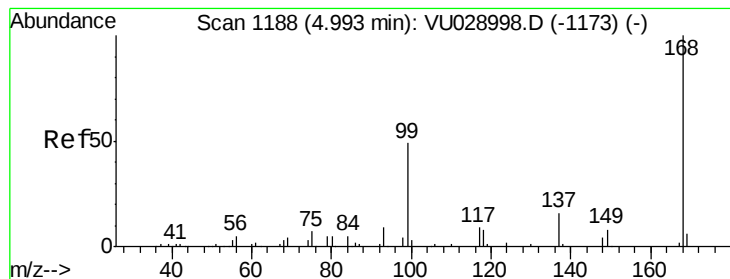
Tgt Ion: 83 Resp: 187483

Ion Ratio Lower Upper

83 100

85 66.1 53.4 80.0

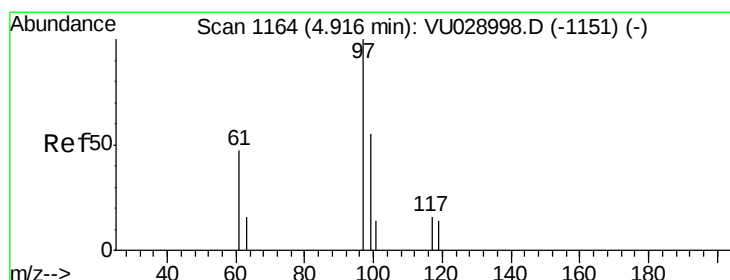
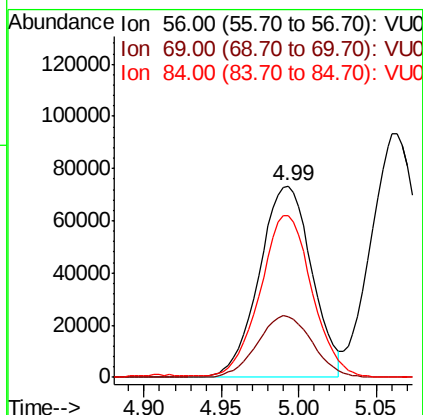
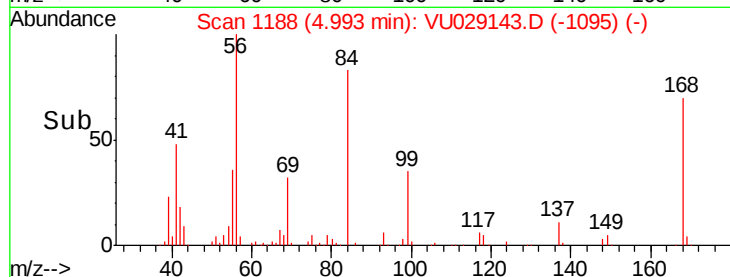
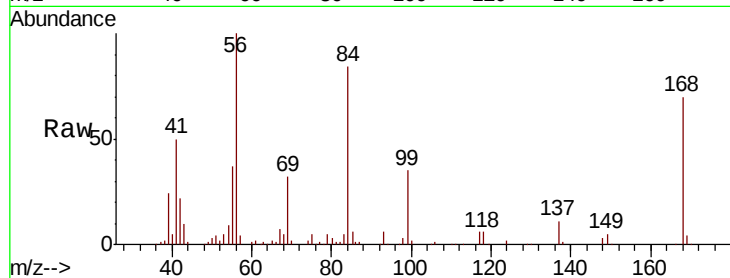




#31
Cyclohexane
Concen: 50.096 ug/l
RT: 4.99 min Scan# 1188
Delta R.T. 0.00 min
Lab File: VU029143.D
Acq: 11 Jan 2019 15:44

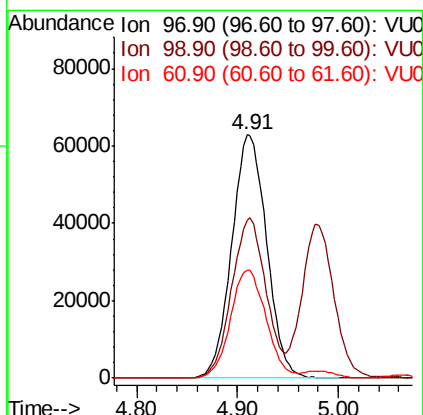
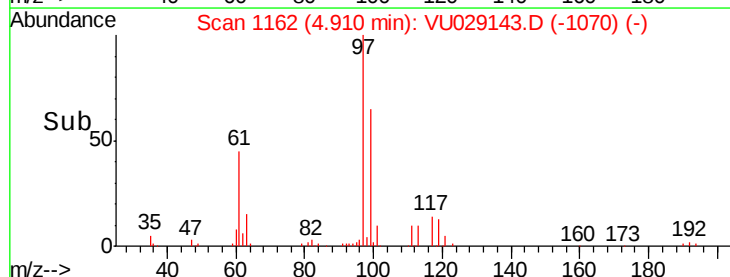
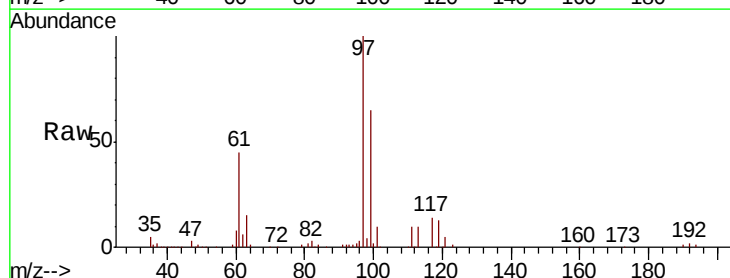
Instrument :
MSVOA_U
ClientSampleId :
BFB70

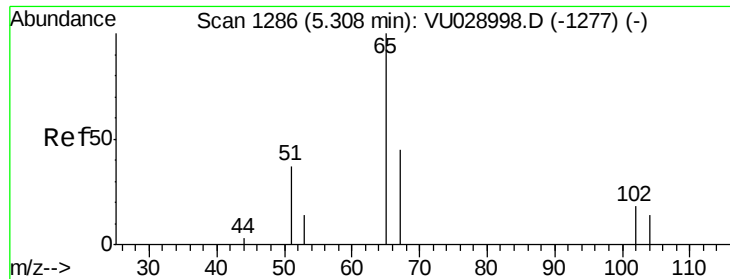
Tgt Ion: 56 Resp: 173836
Ion Ratio Lower Upper
56 100
69 31.9 26.7 40.1
84 83.3 65.7 98.5



#32
1,1,1-Trichloroethane
Concen: 52.205 ug/l
RT: 4.91 min Scan# 1162
Delta R.T. -0.00 min
Lab File: VU029143.D
Acq: 11 Jan 2019 15:44

Tgt Ion: 97 Resp: 151037
Ion Ratio Lower Upper
97 100
99 65.2 51.0 76.4
61 45.5 34.4 51.6

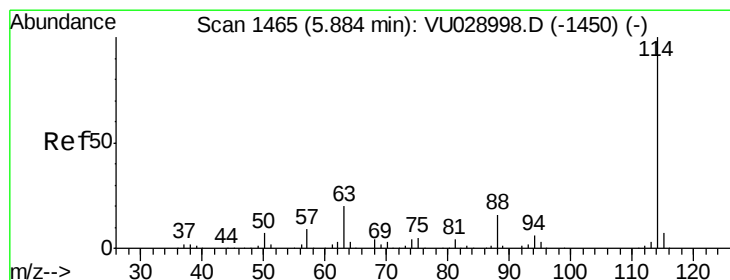
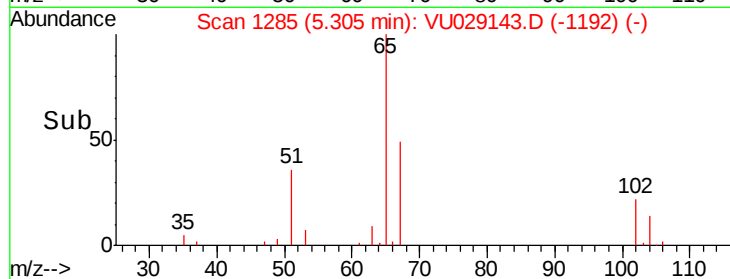
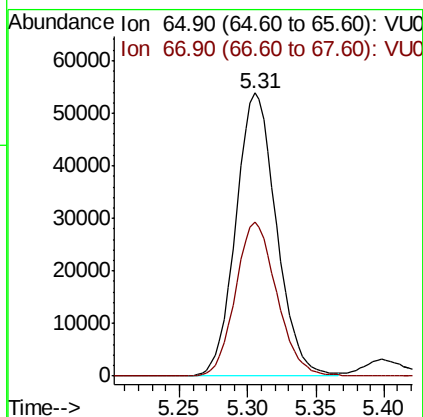
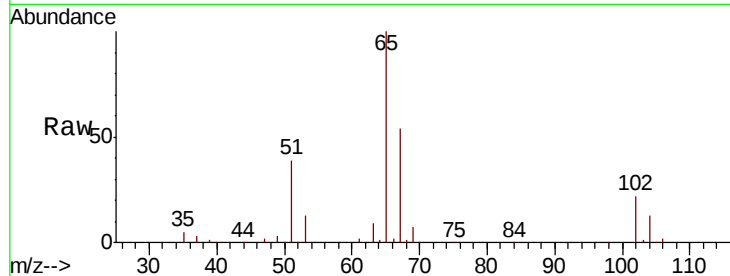




#33
 1,2-Dichloroethane-d4
 Concen: 53.120 ug/l
 RT: 5.31 min Scan# 1285
 Delta R.T. 0.00 min
 Lab File: VU029143.D
 Acq: 11 Jan 2019 15:44

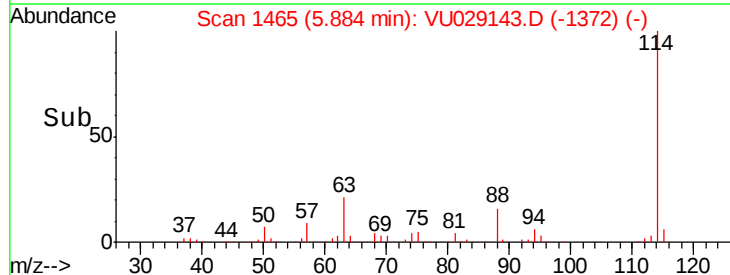
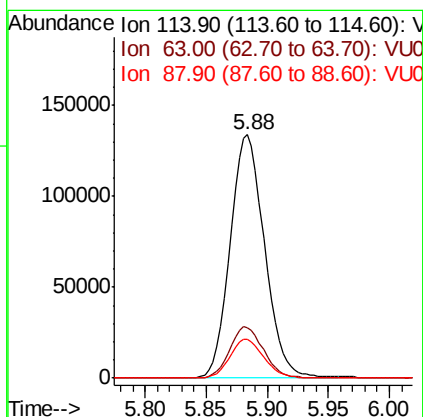
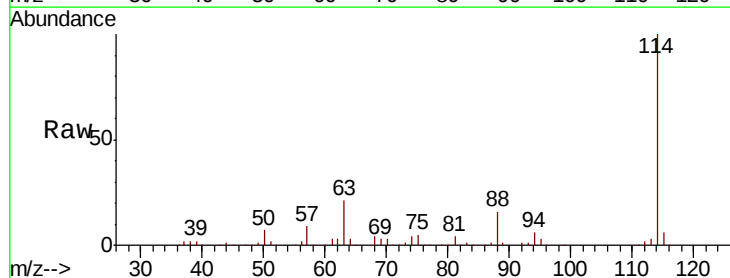
Instrument :
 MSVOA_U
 ClientSampleId :
 BFB70

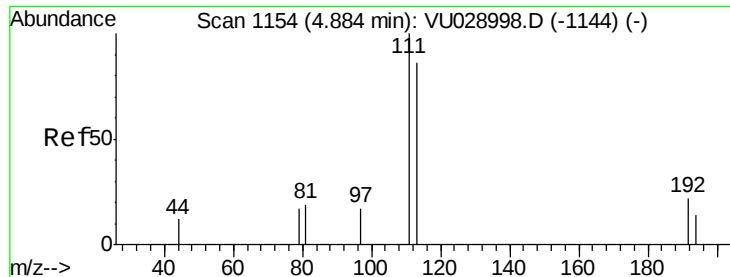
Tgt Ion: 65 Resp: 111186
 Ion Ratio Lower Upper
 65 100
 67 55.3 0.0 111.0



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 5.88 min Scan# 1465
 Delta R.T. 0.00 min
 Lab File: VU029143.D
 Acq: 11 Jan 2019 15:44

Tgt Ion: 114 Resp: 263076
 Ion Ratio Lower Upper
 114 100
 63 20.9 0.0 40.2
 88 16.0 0.0 30.4





#35

Dibromofluoromethane

Concen: 54.617 ug/l

RT: 4.88 min Scan# 1152

Delta R.T. -0.00 min

Lab File: VU029143.D

Acq: 11 Jan 2019 15:44

Instrument :

MSVOA_U

ClientSampled :

BFB70

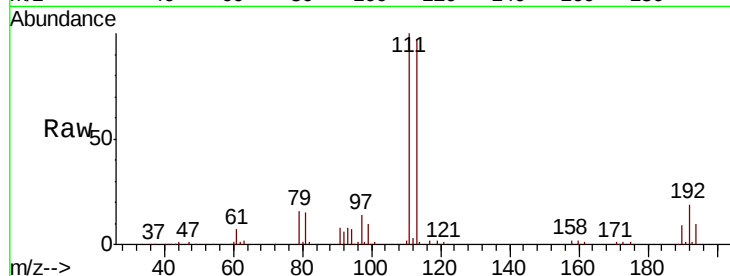
Tgt Ion:113 Resp: 93141

Ion Ratio Lower Upper

113 100

111 104.0 81.4 122.2

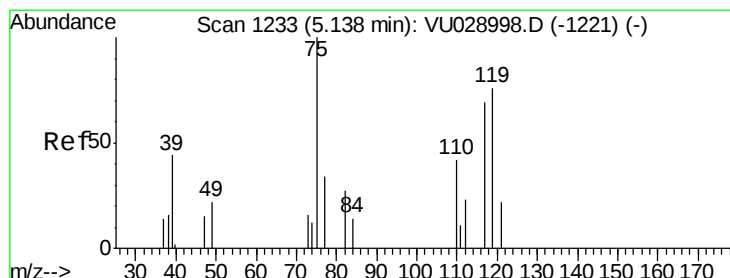
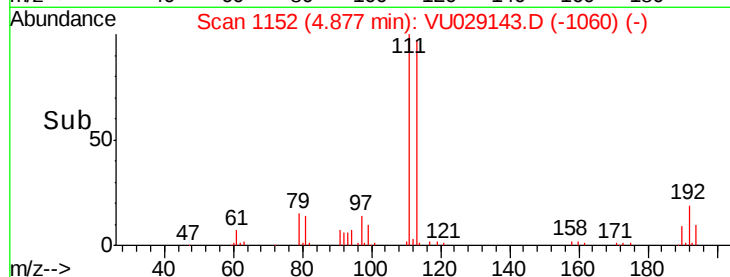
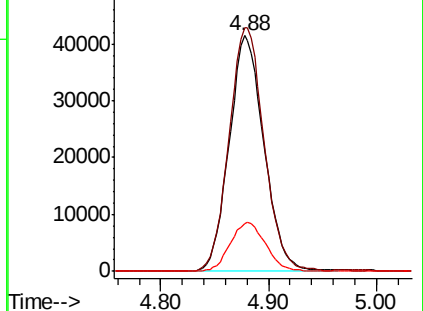
192 21.1 16.8 25.2



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: 53.431 ug/l

RT: 5.13 min Scan# 1231

Delta R.T. -0.00 min

Lab File: VU029143.D

Acq: 11 Jan 2019 15:44

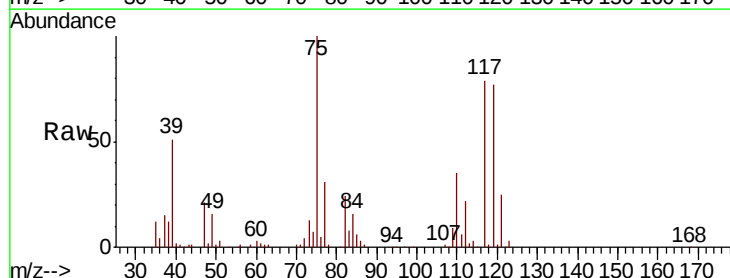
Tgt Ion: 75 Resp: 140501

Ion Ratio Lower Upper

75 100

110 35.9 18.4 55.4

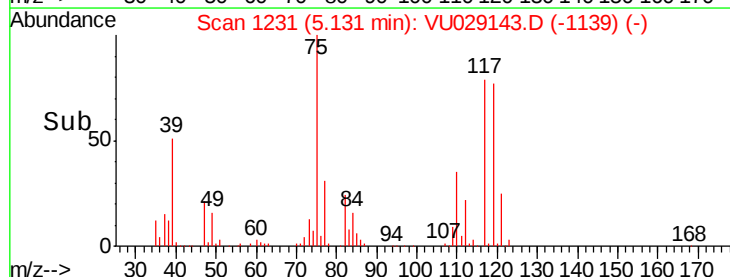
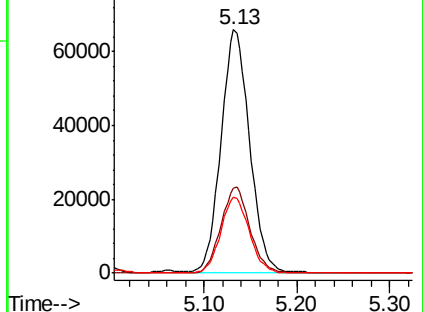
77 31.2 25.1 37.7

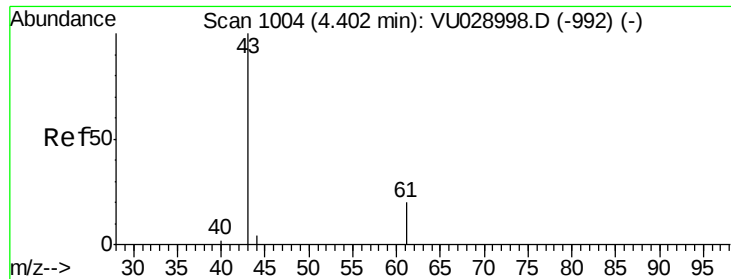


Abundance Ion 74.90 (74.60 to 75.60): VU0

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VU0

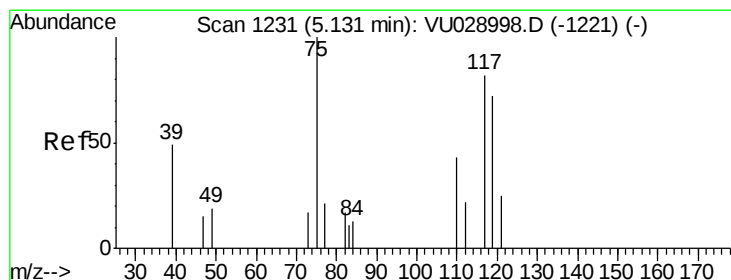
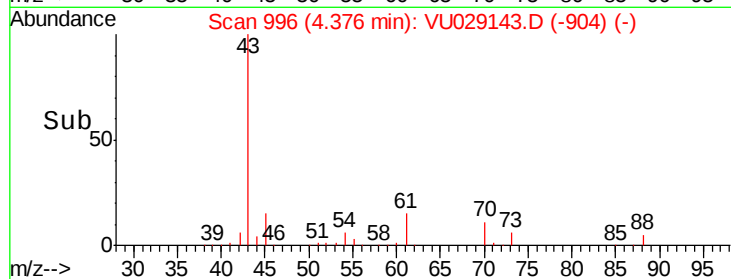
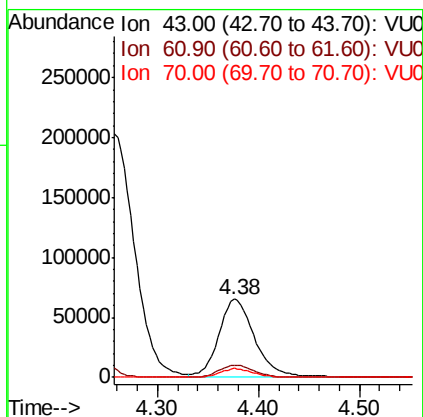
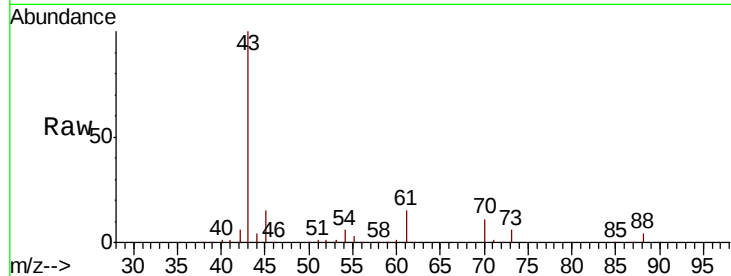




#37
Ethyl Acetate
Concen: 54.901 ug/l
RT: 4.38 min Scan# 996
Delta R.T. -0.00 min
Lab File: VU029143.D
Acq: 11 Jan 2019 15:44

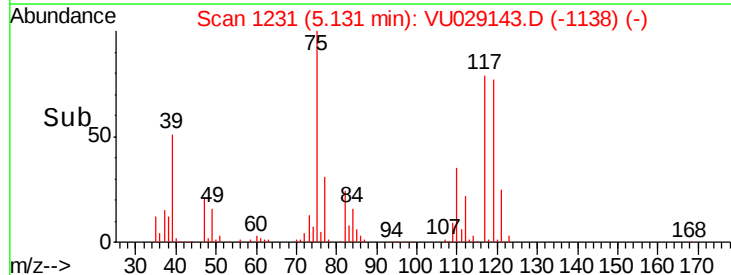
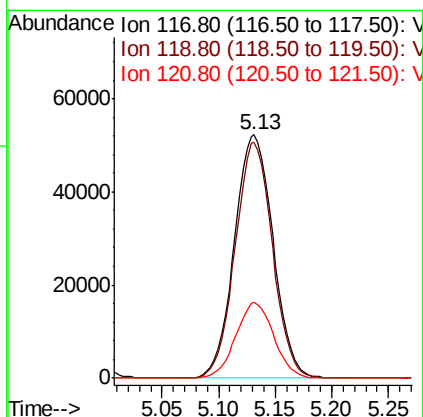
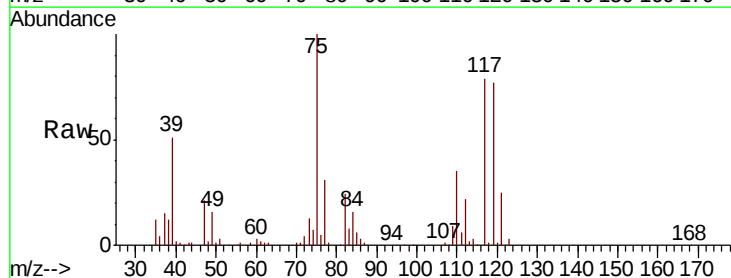
Instrument :
MSVOA_U
ClientSampled :
BFB70

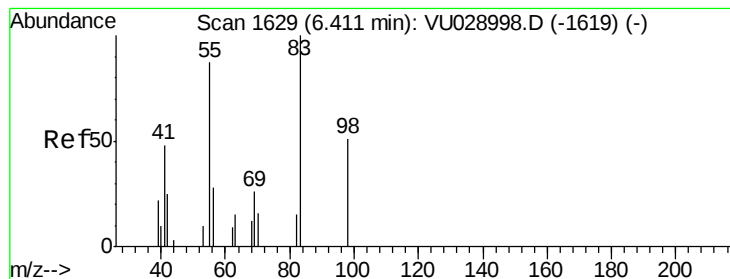
Tgt Ion: 43 Resp: 158464
Ion Ratio Lower Upper
43 100
61 15.2 12.6 18.8
70 10.6 9.3 13.9



#38
Carbon Tetrachloride
Concen: 56.711 ug/l
RT: 5.13 min Scan# 1231
Delta R.T. 0.00 min
Lab File: VU029143.D
Acq: 11 Jan 2019 15:44

Tgt Ion: 117 Resp: 124378
Ion Ratio Lower Upper
117 100
119 96.8 74.6 111.8
121 31.1 25.0 37.6





#39

Methylcyclohexane

Concen: 52.751 ug/l

RT: 6.41 min Scan# 1630

Delta R.T. 0.00 min

Lab File: VU029143.D

Acq: 11 Jan 2019 15:44

Instrument :

MSVOA_U

ClientSampled :

BFB70

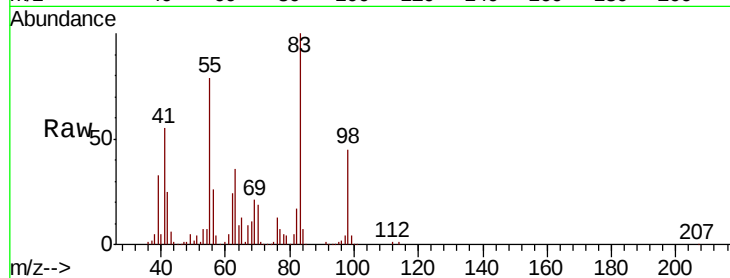
Tgt Ion: 83 Resp: 170529

Ion Ratio Lower Upper

83 100

55 78.5 62.4 93.6

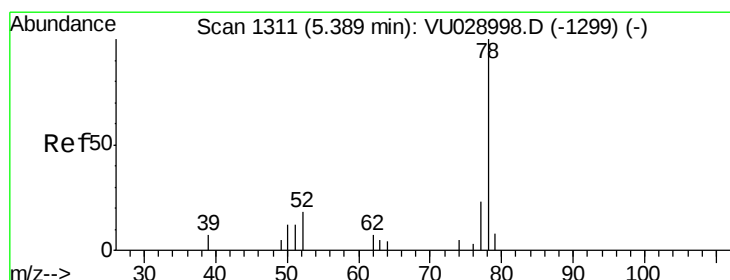
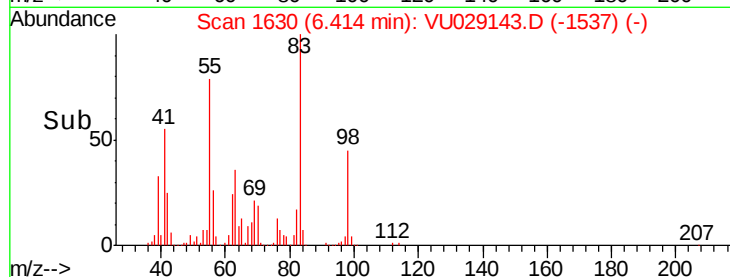
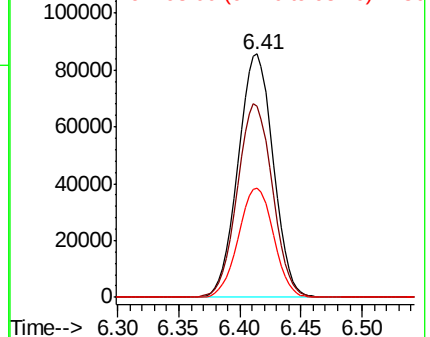
98 45.1 36.2 54.2



Abundance Ion 83.00 (82.70 to 83.70): VU0

Ion 55.00 (54.70 to 55.70): VU0

Ion 98.00 (97.70 to 98.70): VU0



#40

Benzene

Concen: 54.316 ug/l

RT: 5.39 min Scan# 1310

Delta R.T. 0.00 min

Lab File: VU029143.D

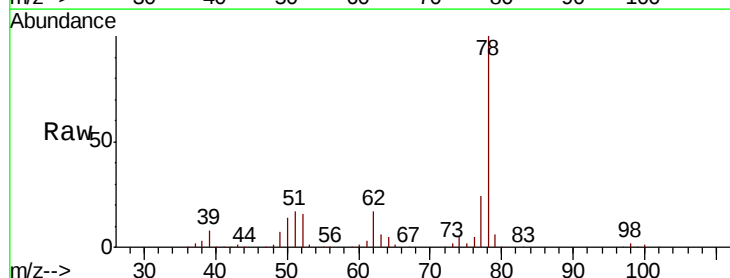
Acq: 11 Jan 2019 15:44

Tgt Ion: 78 Resp: 445519

Ion Ratio Lower Upper

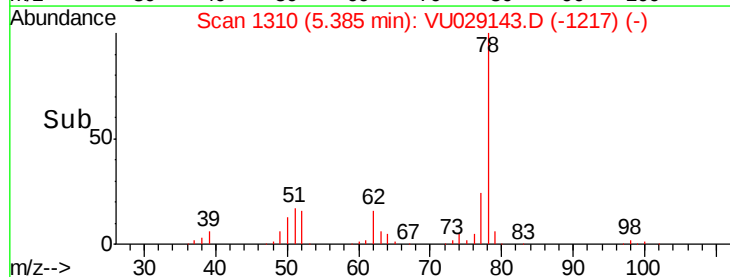
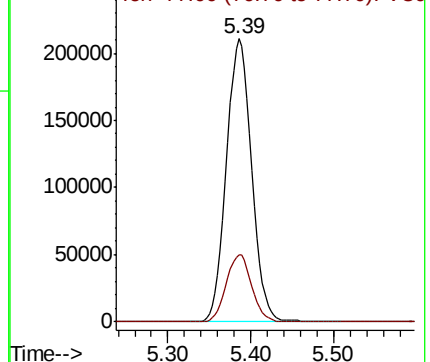
78 100

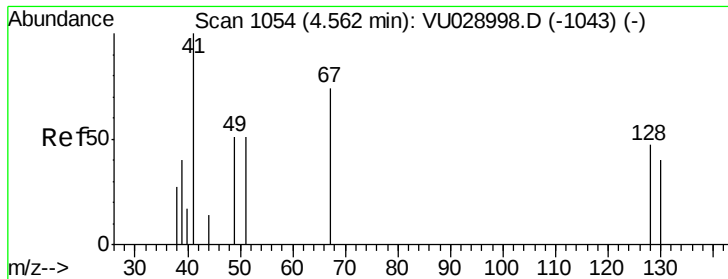
77 23.8 18.9 28.3



Abundance Ion 78.00 (77.70 to 78.70): VU0

Ion 77.00 (76.70 to 77.70): VU0

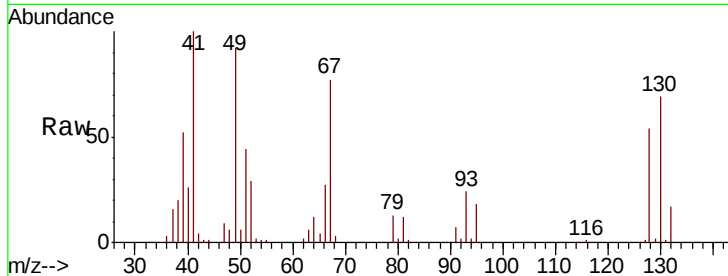




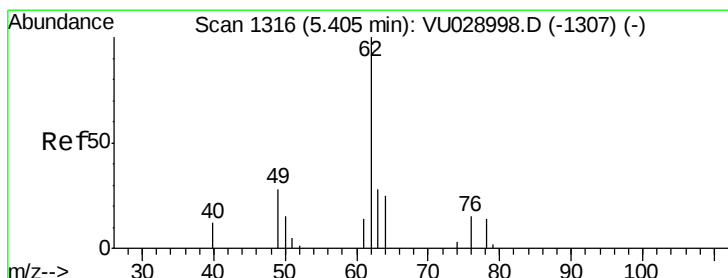
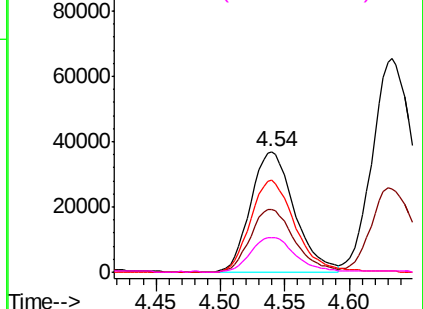
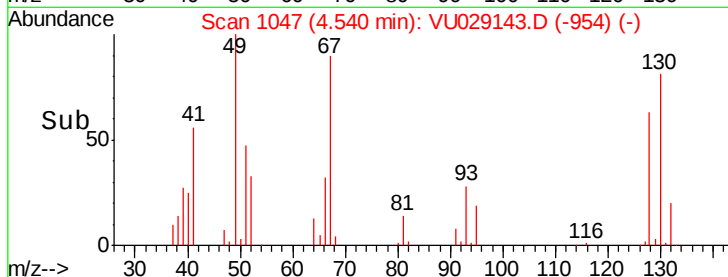
#41
Methacrylonitrile
Concen: 56.707 ug/l
RT: 4.54 min Scan# 1047
Delta R.T. 0.00 min
Lab File: VU029143.D
Acq: 11 Jan 2019 15:44

Instrument :
MSVOA_U
ClientSampleId :
BFB70

Tgt Ion: 41 Resp: 87614
Ion Ratio Lower Upper
41 100
39 52.4 42.3 63.5
67 78.3 64.4 96.6
52 28.7 23.9 35.9

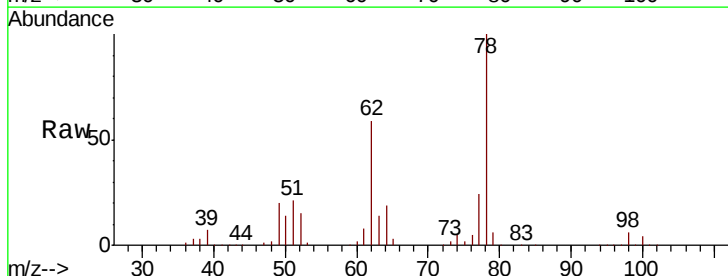


Abundance Ion 41.00 (40.70 to 41.70): VU0
Ion 39.00 (38.70 to 39.70): VU0
Ion 67.00 (66.70 to 67.70): VU0
Ion 52.00 (51.70 to 52.70): VU0

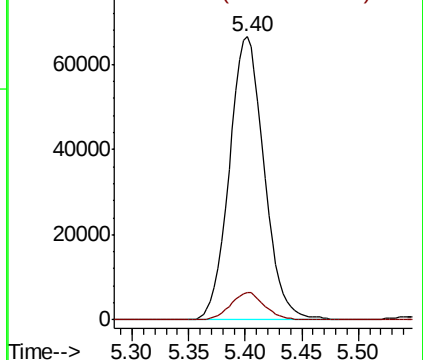
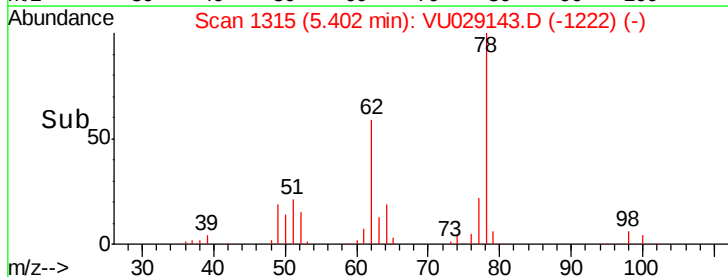


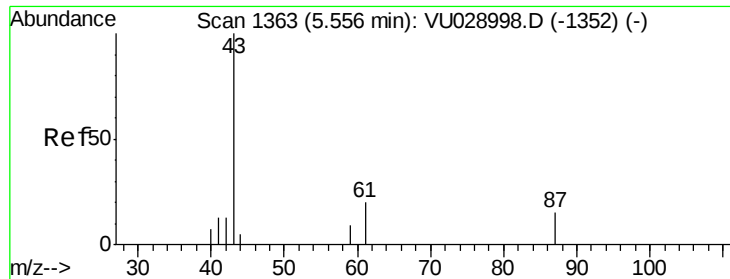
#42
1,2-Dichloroethane
Concen: 57.749 ug/l
RT: 5.40 min Scan# 1315
Delta R.T. 0.00 min
Lab File: VU029143.D
Acq: 11 Jan 2019 15:44

Tgt Ion: 62 Resp: 142335
Ion Ratio Lower Upper
62 100
98 9.5 0.0 19.6



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

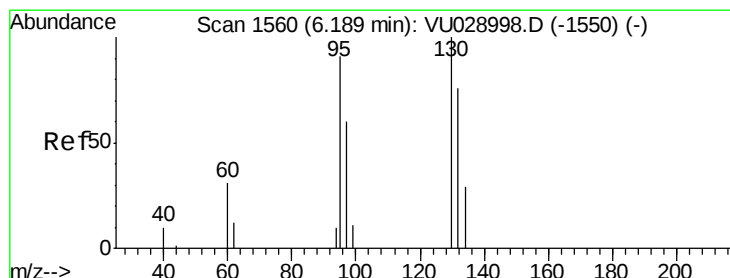
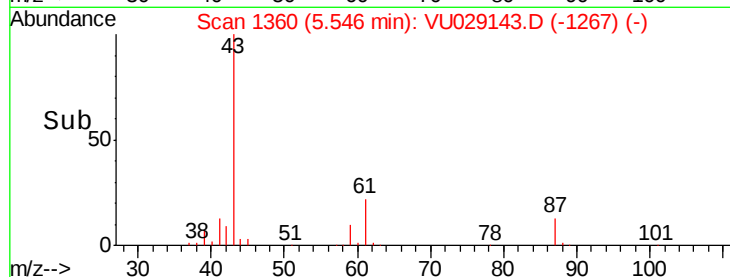
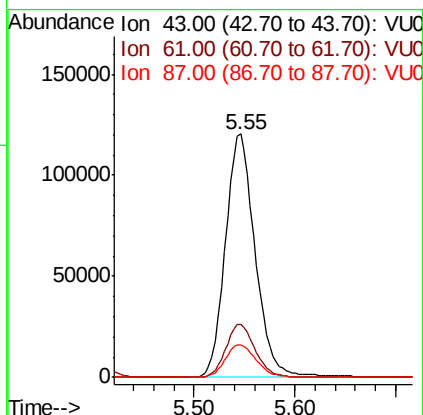
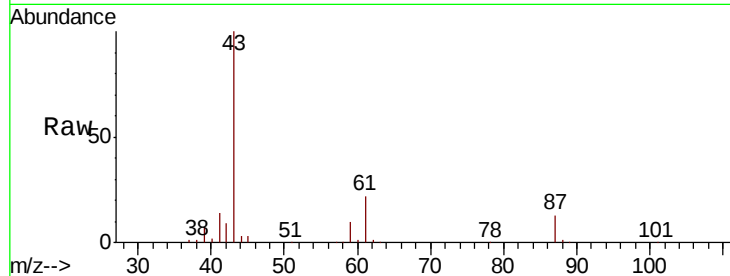




#43
Isopropyl Acetate
Concen: 55.503 ug/l
RT: 5.55 min Scan# 1360
Delta R.T. 0.00 min
Lab File: VU029143.D
Acq: 11 Jan 2019 15:44

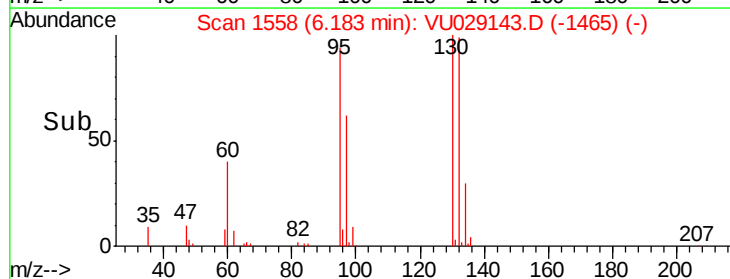
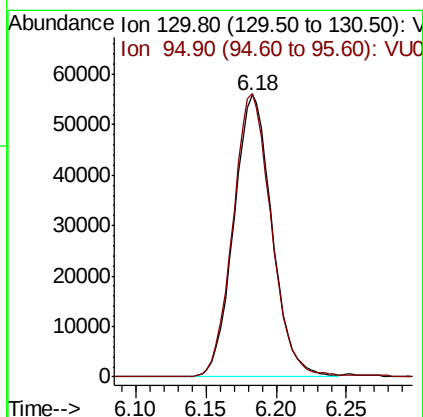
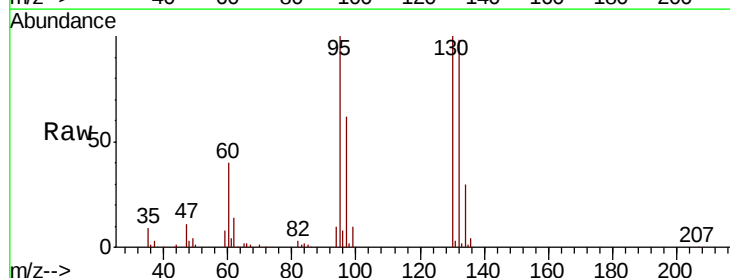
Instrument :
MSVOA_U
ClientSampleId :
BFB70

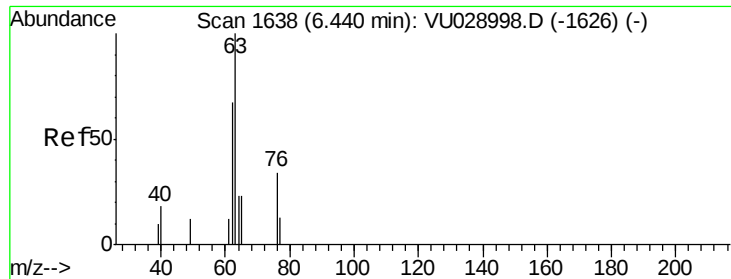
Tgt Ion: 43 Resp: 245749
Ion Ratio Lower Upper
43 100
61 21.9 17.8 26.6
87 13.9 11.3 16.9



#44
Trichloroethene
Concen: 52.149 ug/l
RT: 6.18 min Scan# 1558
Delta R.T. 0.00 min
Lab File: VU029143.D
Acq: 11 Jan 2019 15:44

Tgt Ion:130 Resp: 105983
Ion Ratio Lower Upper
130 100
95 100.5 0.0 205.0





#45

1,2-Dichloropropane

Concen: 56.483 ug/l

RT: 6.43 min Scan# 1635

Delta R.T. 0.00 min

Lab File: VU029143.D

Acq: 11 Jan 2019 15:44

Instrument :

MSVOA_U

ClientSampleId :

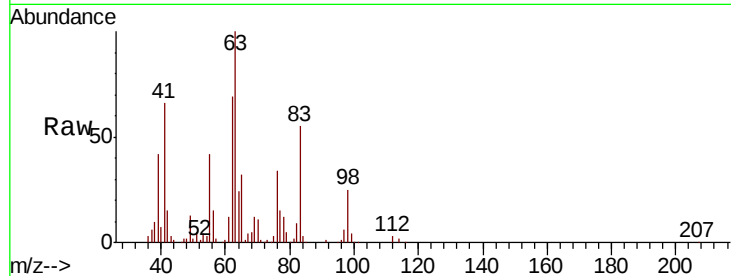
BFB70

Tgt Ion: 63 Resp: 122346

Ion Ratio Lower Upper

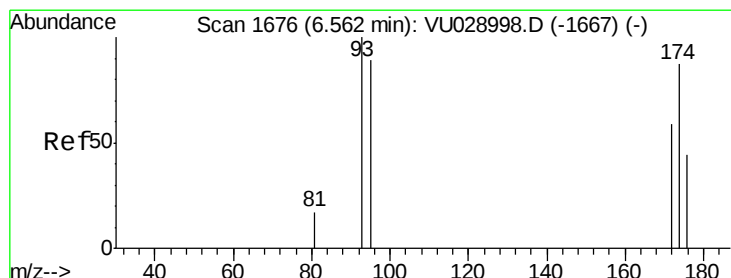
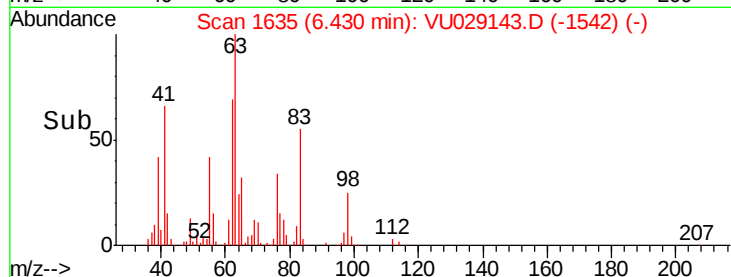
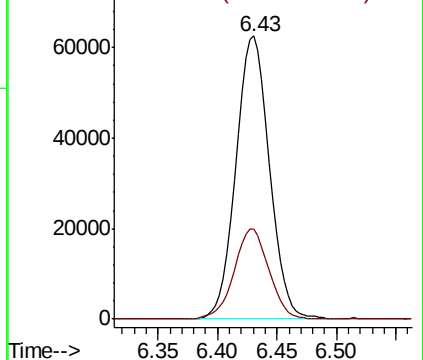
63 100

65 31.8 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: 56.167 ug/l

RT: 6.56 min Scan# 1674

Delta R.T. 0.00 min

Lab File: VU029143.D

Acq: 11 Jan 2019 15:44

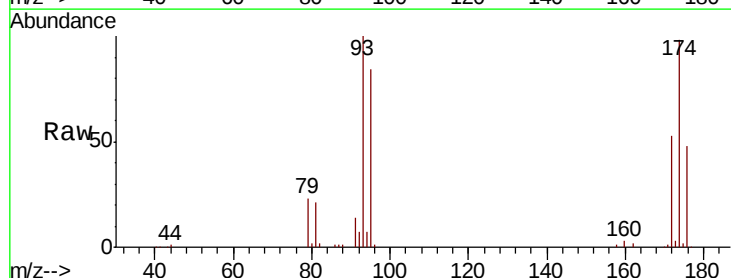
Tgt Ion: 93 Resp: 77774

Ion Ratio Lower Upper

93 100

95 83.9 67.2 100.8

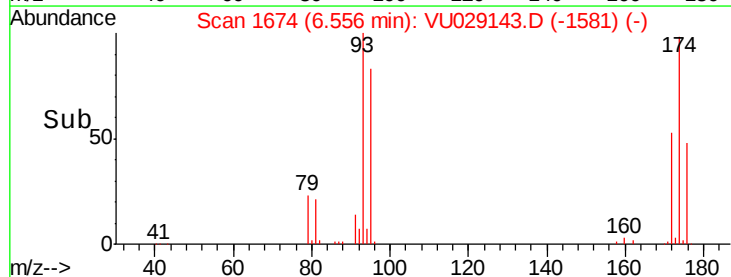
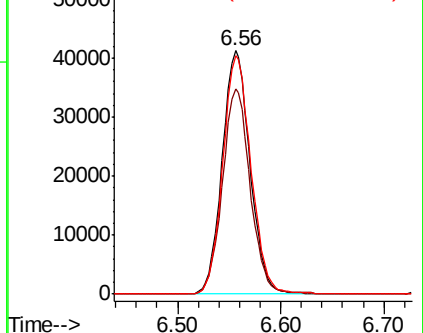
174 98.7 82.6 123.8

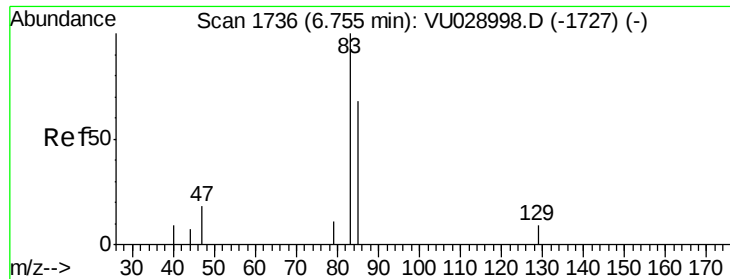


Abundance Ion 92.80 (92.50 to 93.50): VU028998.D (-1667) (-)

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: 57.501 ug/l

RT: 6.75 min Scan# 1735

Delta R.T. -0.00 min

Lab File: VU029143.D

Acq: 11 Jan 2019 15:44

Instrument :

MSVOA_U

ClientSampleId :

BFB70

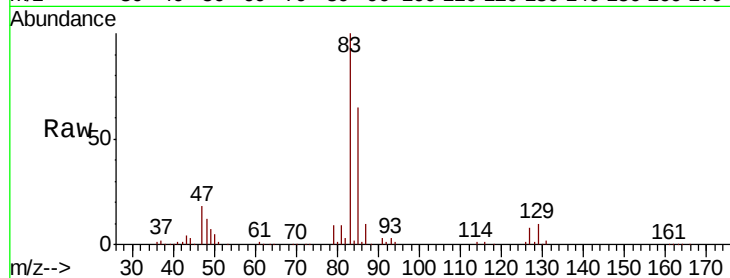
Tgt Ion: 83 Resp: 146594

Ion Ratio Lower Upper

83 100

85 64.6 51.4 77.2

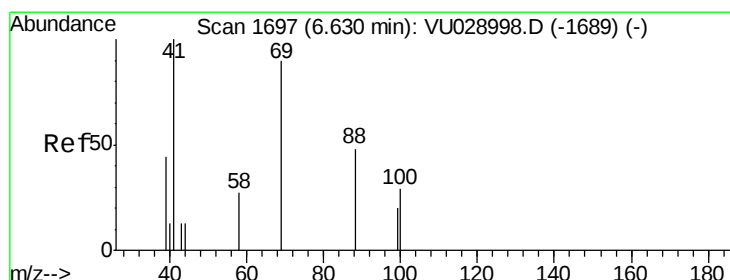
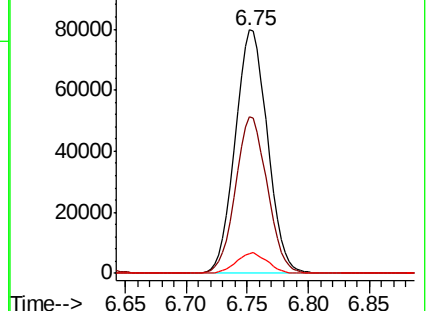
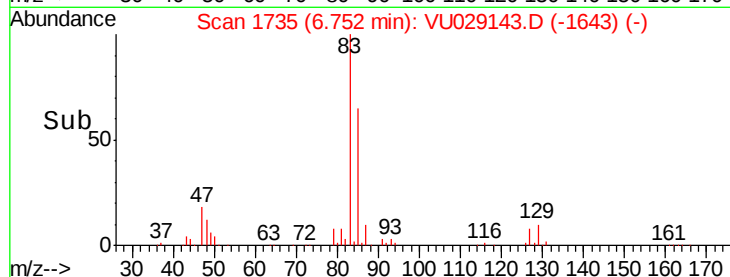
127 8.3 7.0 10.4



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: 57.507 ug/l

RT: 6.62 min Scan# 1694

Delta R.T. 0.00 min

Lab File: VU029143.D

Acq: 11 Jan 2019 15:44

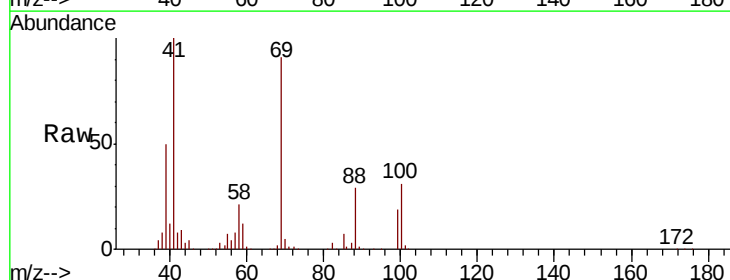
Tgt Ion: 41 Resp: 123982

Ion Ratio Lower Upper

41 100

69 90.2 73.6 110.4

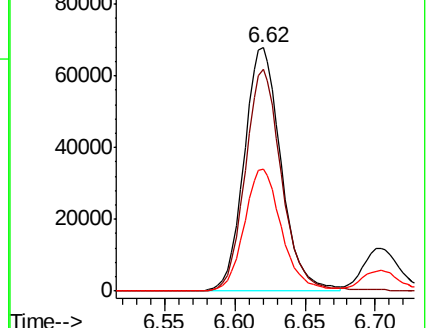
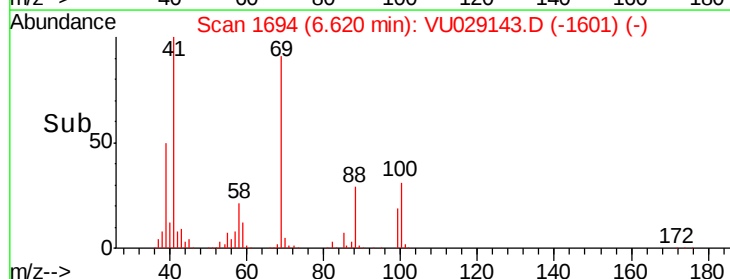
39 50.5 39.6 59.4

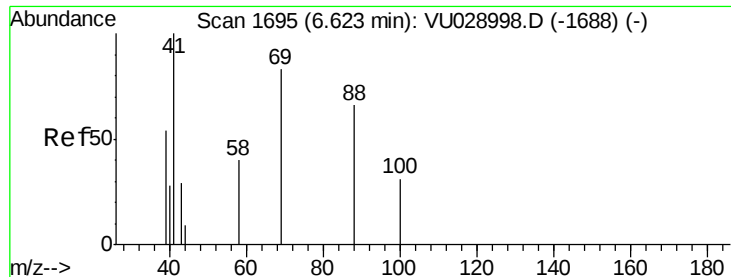


Abundance Ion 41.00 (40.70 to 41.70): VU028998.D (-1689) (-)

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

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

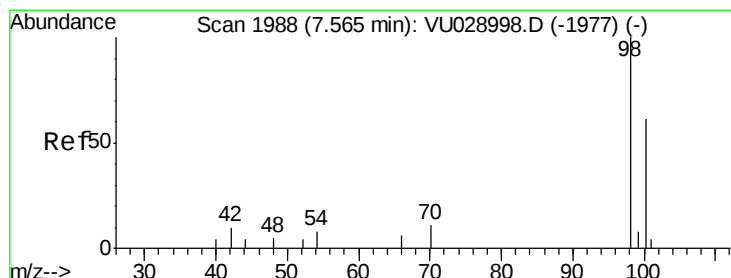
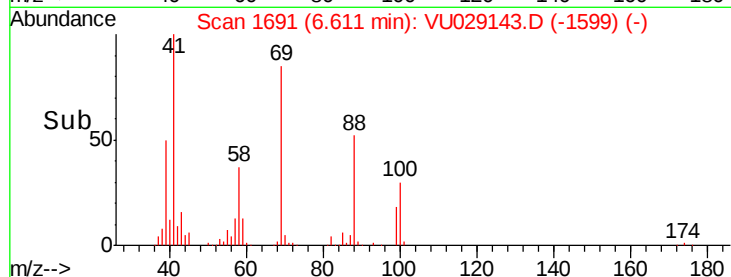
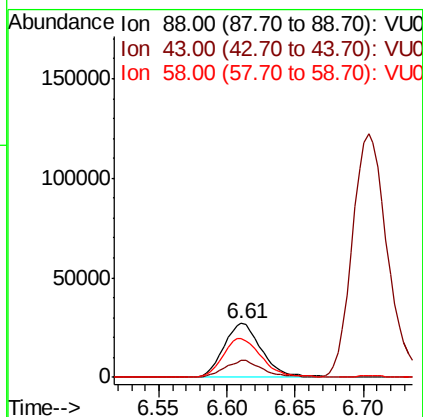
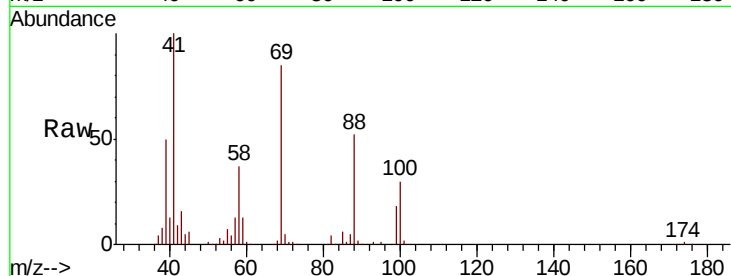




#49
1,4-Dioxane
Concen: 1008.168 ug/l
RT: 6.61 min Scan# 1691
Delta R.T. -0.00 min
Lab File: VU029143.D
Acq: 11 Jan 2019 15:44

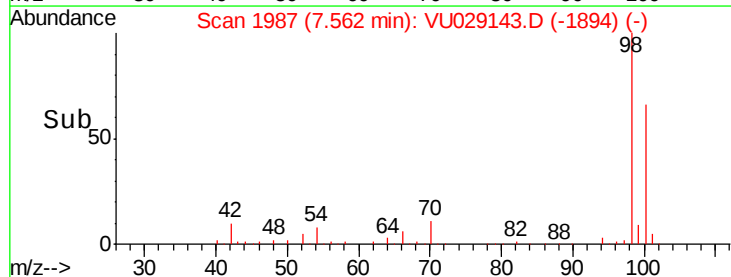
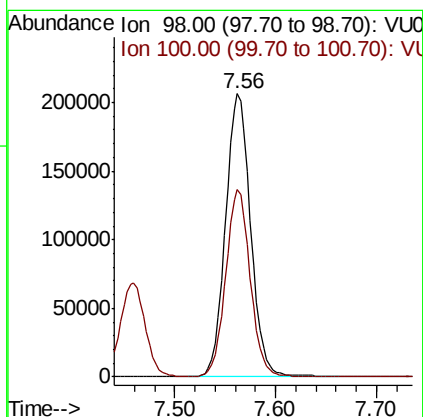
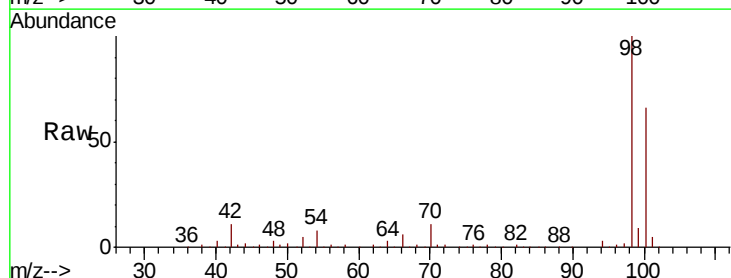
Instrument :
MSVOA_U
ClientSampleId :
BFB70

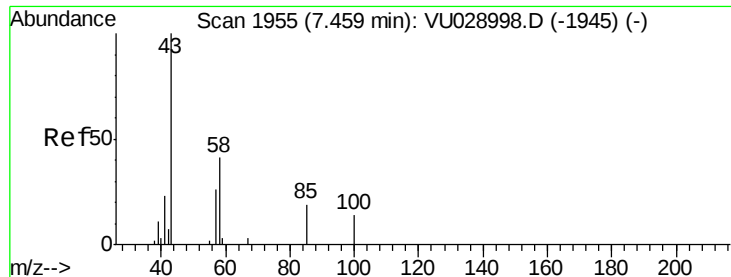
Tgt Ion: 88 Resp: 51510
Ion Ratio Lower Upper
88 100
43 30.4 23.0 34.4
58 74.4 57.9 86.9



#50
Toluene-d8
Concen: 53.382 ug/l
RT: 7.56 min Scan# 1987
Delta R.T. 0.00 min
Lab File: VU029143.D
Acq: 11 Jan 2019 15:44

Tgt Ion: 98 Resp: 359389
Ion Ratio Lower Upper
98 100
100 64.5 51.6 77.4

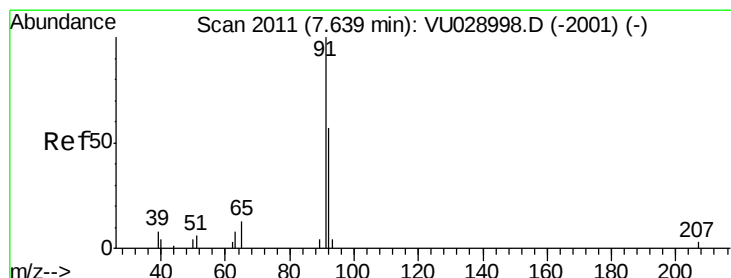
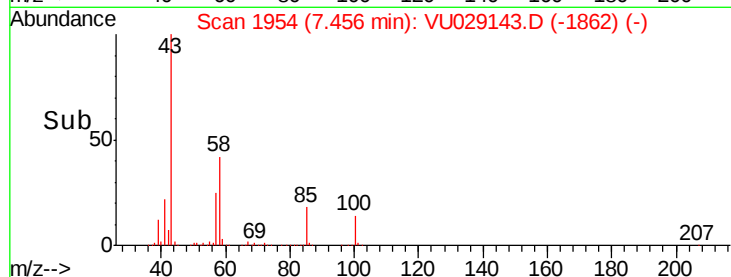
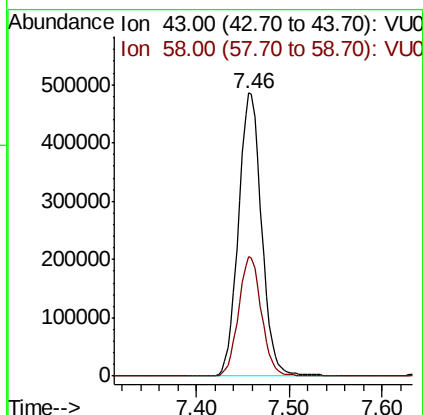
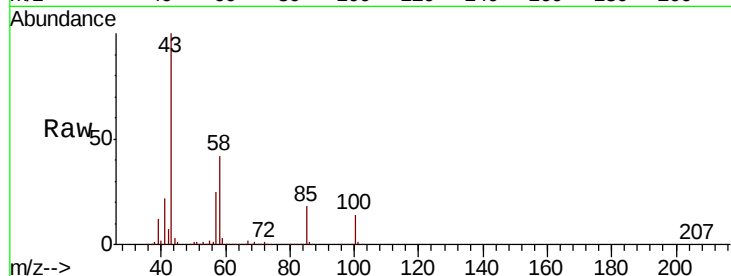




#51
 4-Methyl-2-Pentanone
 Concen: 279.760 ug/l
 RT: 7.46 min Scan# 1954
 Delta R.T. -0.00 min
 Lab File: VU029143.D
 Acq: 11 Jan 2019 15:44

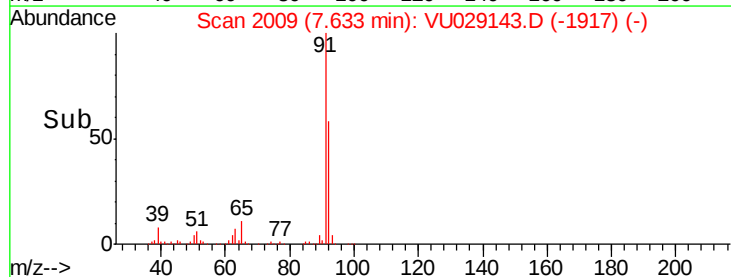
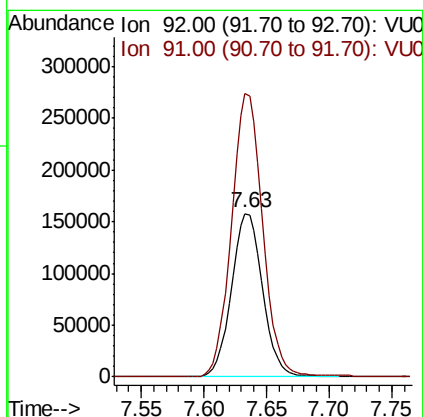
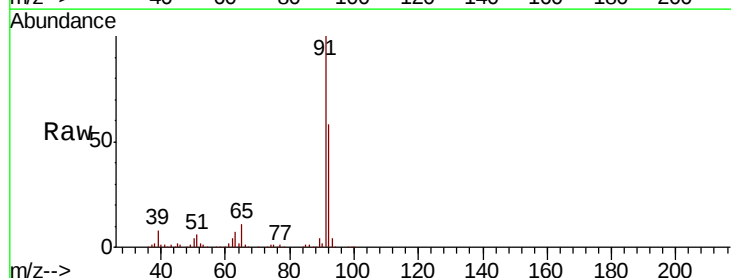
Instrument :
 MSVOA_U
 ClientSampled :
 BFB70

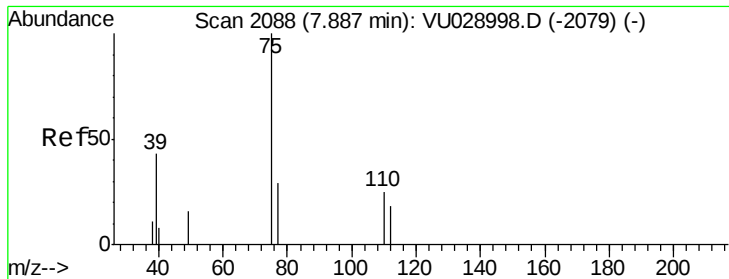
Tgt Ion: 43 Resp: 842999
 Ion Ratio Lower Upper
 43 100
 58 41.6 33.9 50.9



#52
 Toluene
 Concen: 54.441 ug/l
 RT: 7.63 min Scan# 2009
 Delta R.T. -0.00 min
 Lab File: VU029143.D
 Acq: 11 Jan 2019 15:44

Tgt Ion: 92 Resp: 271841
 Ion Ratio Lower Upper
 92 100
 91 174.4 139.8 209.8

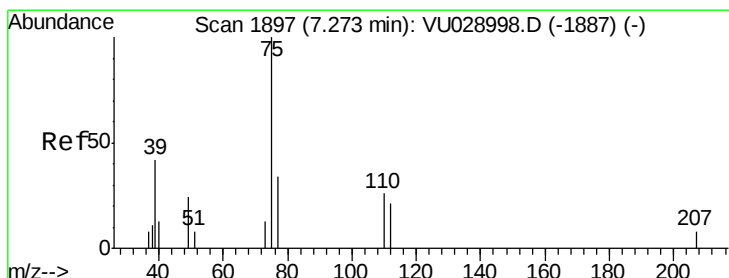
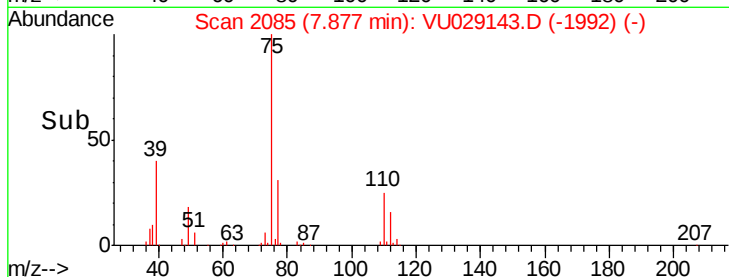
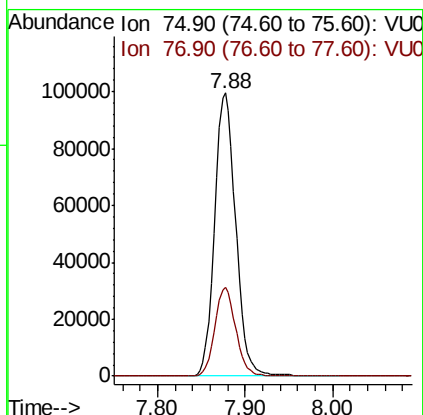
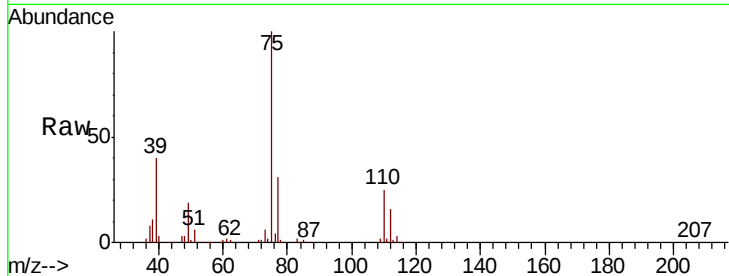




#53
 t-1,3-Dichloropropene
 Concen: 54.414 ug/l
 RT: 7.88 min Scan# 2085
 Delta R.T. 0.00 min
 Lab File: VU029143.D
 Acq: 11 Jan 2019 15:44

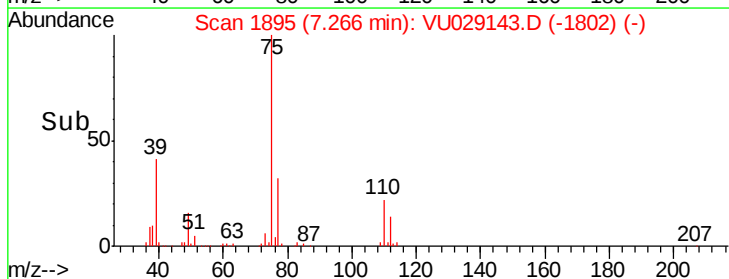
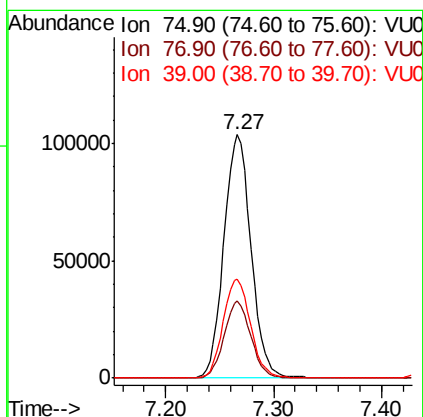
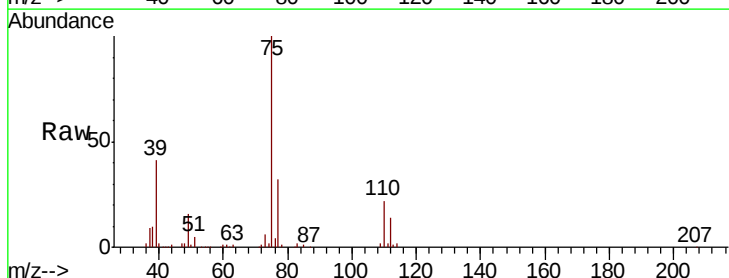
Instrument :
 MSVOA_U
 ClientSampled :
 BFB70

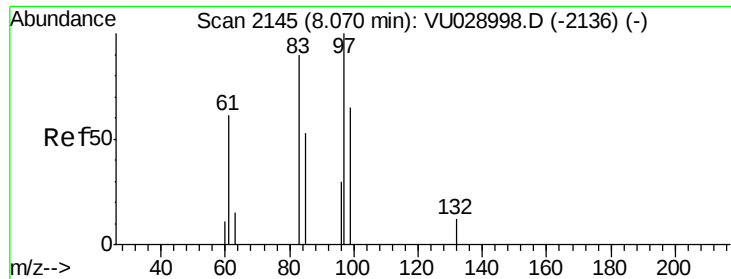
Tgt Ion: 75 Resp: 166646
 Ion Ratio Lower Upper
 75 100
 77 31.2 25.0 37.4



#54
 cis-1,3-Dichloropropene
 Concen: 54.987 ug/l
 RT: 7.27 min Scan# 1895
 Delta R.T. 0.00 min
 Lab File: VU029143.D
 Acq: 11 Jan 2019 15:44

Tgt Ion: 75 Resp: 181967
 Ion Ratio Lower Upper
 75 100
 77 31.8 25.0 37.6
 39 40.6 32.2 48.4

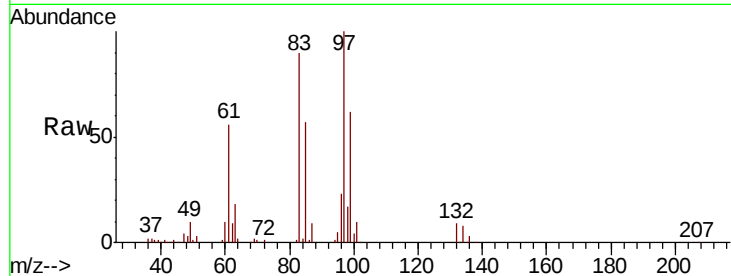




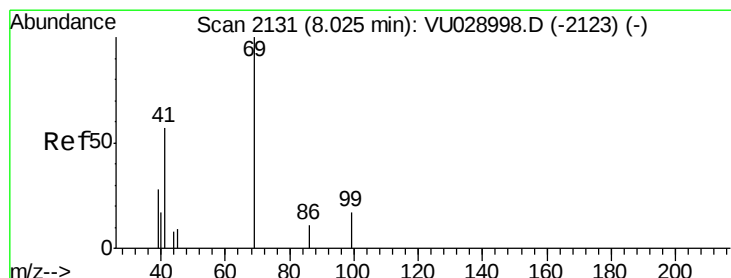
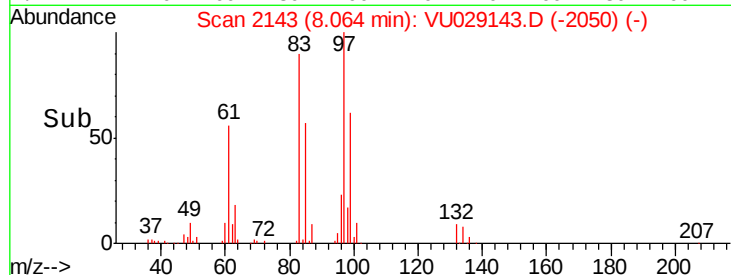
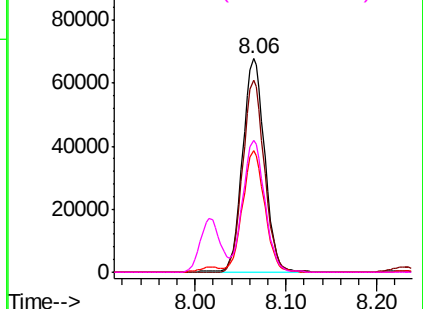
#55
 1,1,2-Trichloroethane
 Concen: 57.225 ug/l
 RT: 8.06 min Scan# 2143
 Delta R.T. 0.00 min
 Lab File: VU029143.D
 Acq: 11 Jan 2019 15:44

Instrument :
 MSVOA_U
 ClientSampleId :
 BFB70

Tgt Ion: 97 Resp: 114474
 Ion Ratio Lower Upper
 97 100
 83 90.2 69.8 104.8
 85 56.8 47.3 70.9
 99 61.7 49.7 74.5

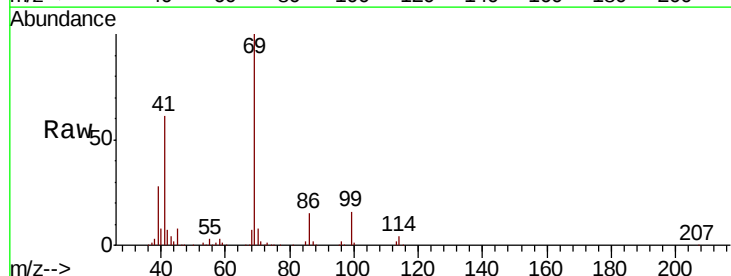


Abundance Ion 96.90 (96.60 to 97.60): VU0
 Ion 82.90 (82.60 to 83.60): VU0
 Ion 84.90 (84.60 to 85.60): VU0
 Ion 98.90 (98.60 to 99.60): VU0

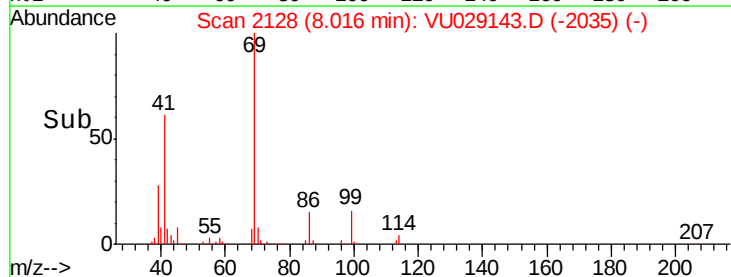
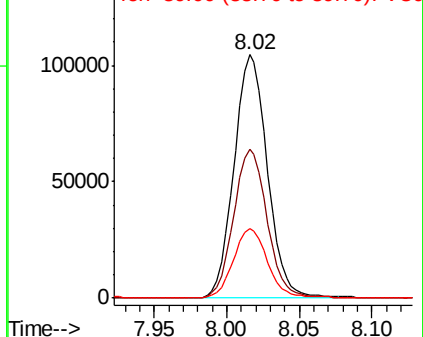


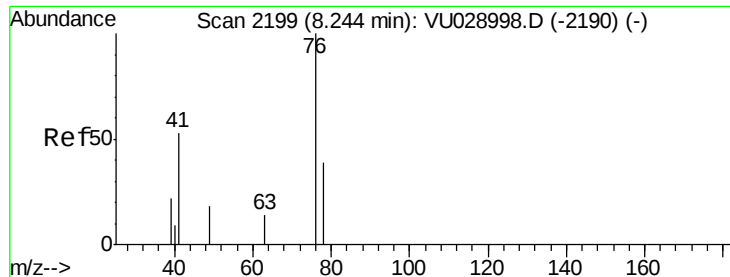
#56
 Ethyl methacrylate
 Concen: 54.185 ug/l
 RT: 8.02 min Scan# 2128
 Delta R.T. 0.00 min
 Lab File: VU029143.D
 Acq: 11 Jan 2019 15:44

Tgt Ion: 69 Resp: 166991
 Ion Ratio Lower Upper
 69 100
 41 61.5 47.5 71.3
 39 29.1 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: 55.257 ug/l

RT: 8.24 min Scan# 2198

Delta R.T. 0.00 min

Lab File: VU029143.D

Acq: 11 Jan 2019 15:44

Instrument :

MSVOA_U

ClientSampleId :

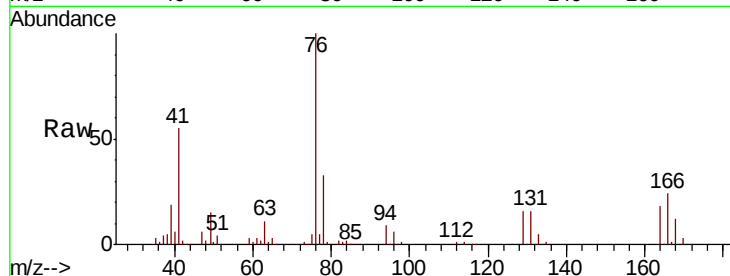
BFB70

Tgt Ion: 76 Resp: 189141

Ion Ratio Lower Upper

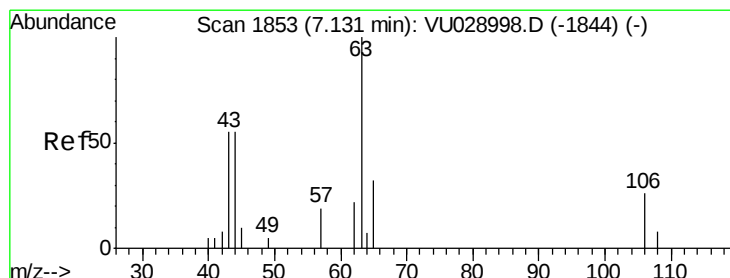
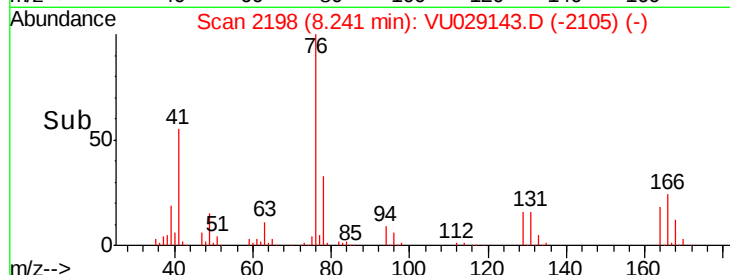
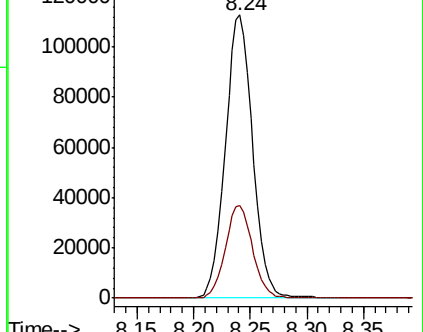
76 100

78 32.6 26.0 39.0



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

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



#58

2-Chloroethyl Vinyl ether

Concen: 282.895 ug/l

RT: 7.12 min Scan# 1851

Delta R.T. 0.00 min

Lab File: VU029143.D

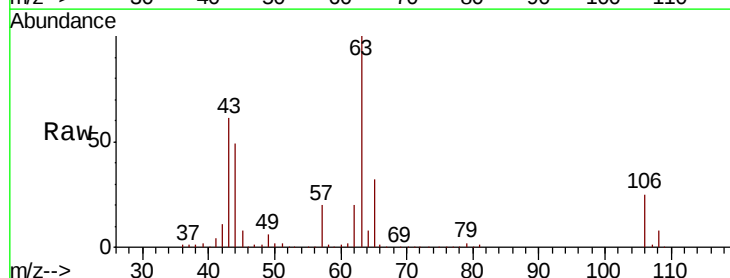
Acq: 11 Jan 2019 15:44

Tgt Ion: 63 Resp: 383419

Ion Ratio Lower Upper

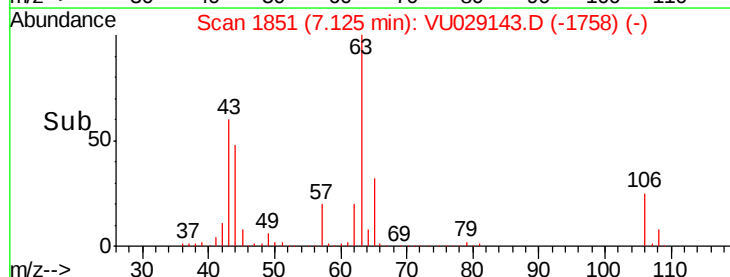
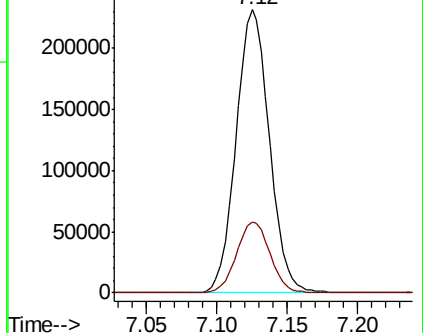
63 100

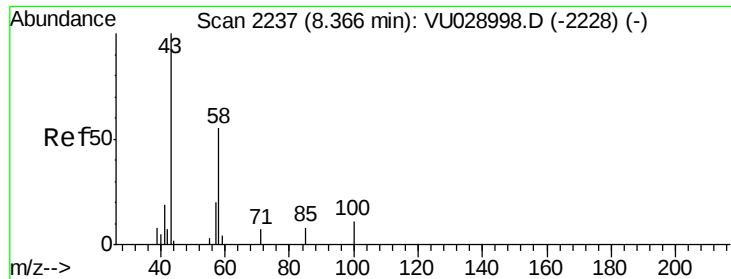
106 25.3 20.6 31.0



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

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

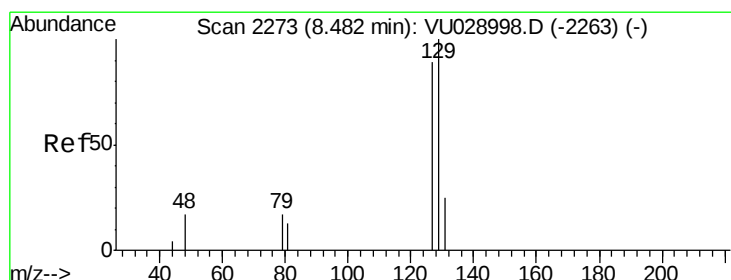
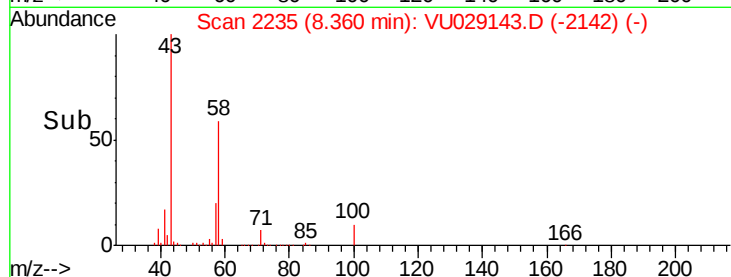
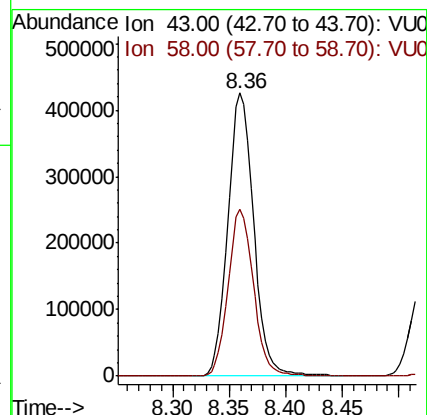
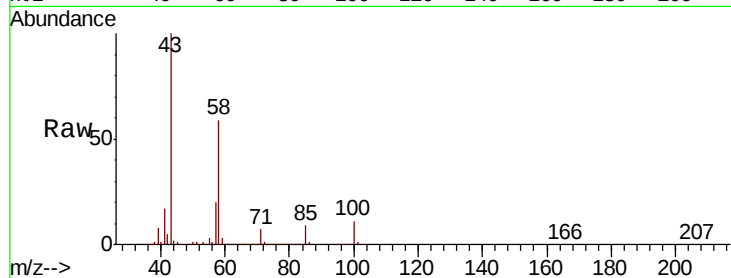




#59
2-Hexanone
Concen: 287.798 ug/l
RT: 8.36 min Scan# 2235
Delta R.T. 0.00 min
Lab File: VU029143.D
Acq: 11 Jan 2019 15:44

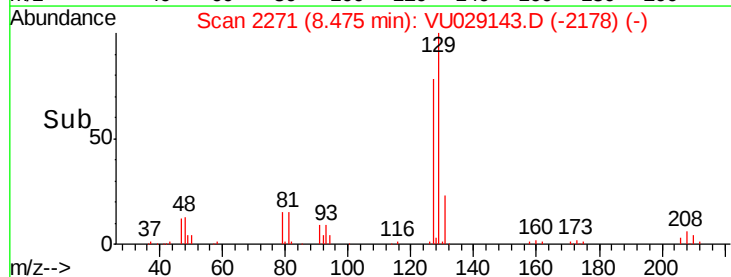
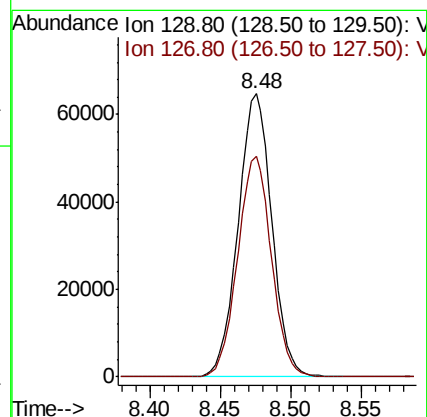
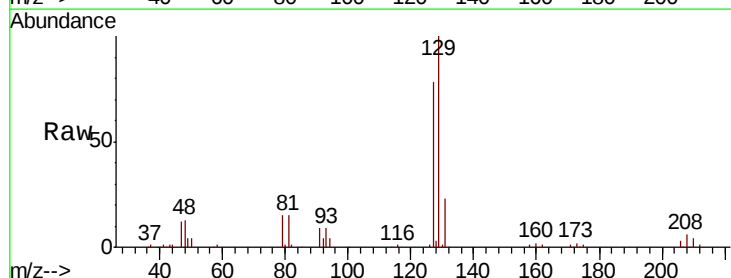
Instrument :
MSVOA_U
ClientSampleId :
BFB70

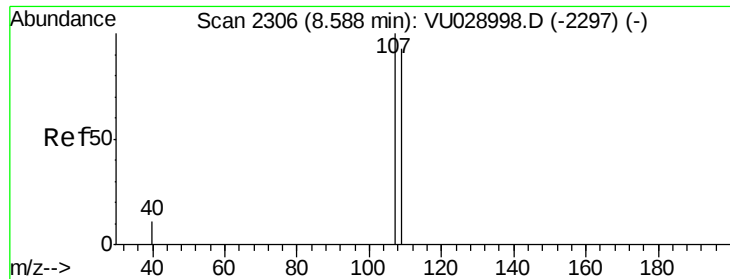
Tgt Ion: 43 Resp: 680736
Ion Ratio Lower Upper
43 100
58 58.1 29.8 89.4



#60
Dibromochloromethane
Concen: 54.772 ug/l
RT: 8.48 min Scan# 2271
Delta R.T. 0.00 min
Lab File: VU029143.D
Acq: 11 Jan 2019 15:44

Tgt Ion: 129 Resp: 108550
Ion Ratio Lower Upper
129 100
127 78.0 38.0 114.0





#61

1,2-Dibromoethane

Concen: 54.600 ug/l

RT: 8.58 min Scan# 2305

Delta R.T. 0.00 min

Lab File: VU029143.D

Acq: 11 Jan 2019 15:44

Instrument :

MSVOA_U

ClientSampleId :

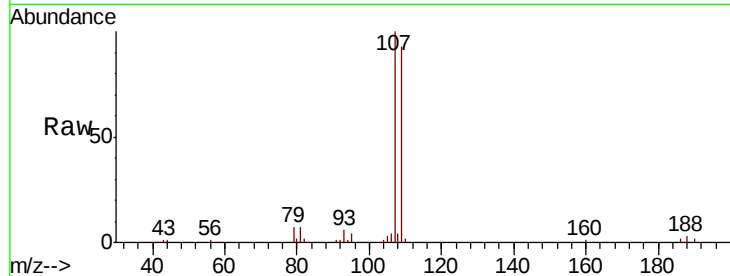
BFB70

Tgt Ion: 107 Resp: 118457

Ion Ratio Lower Upper

107 100

109 94.9 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

80000

60000

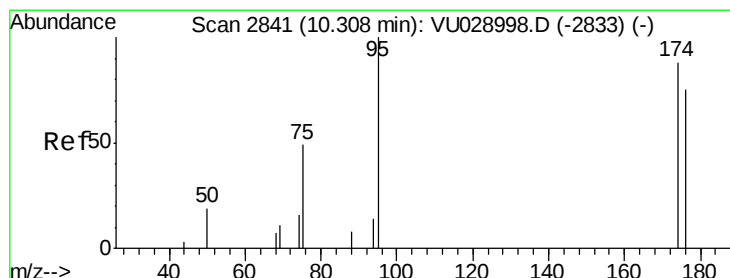
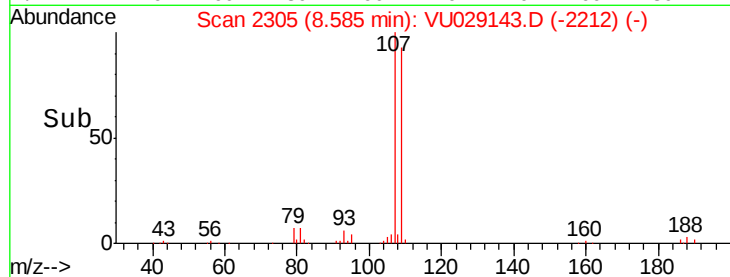
40000

20000

0

Time-->

8.50 8.55 8.60 8.65



#62

4-Bromofluorobenzene

Concen: 53.617 ug/l

RT: 10.30 min Scan# 2840

Delta R.T. 0.00 min

Lab File: VU029143.D

Acq: 11 Jan 2019 15:44

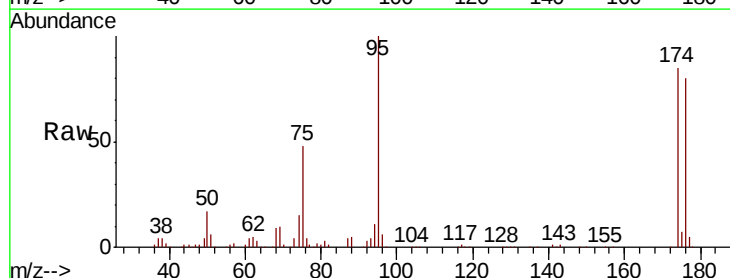
Tgt Ion: 95 Resp: 129727

Ion Ratio Lower Upper

95 100

174 84.2 0.0 170.6

176 80.3 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

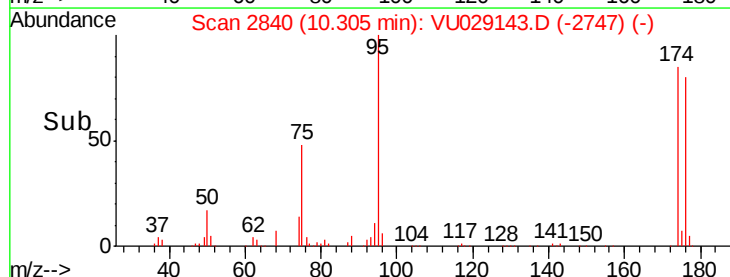
40000

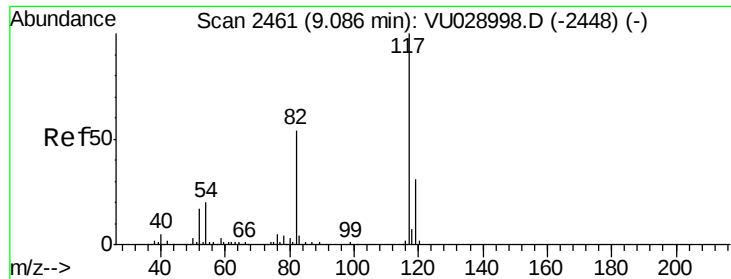
20000

0

Time-->

10.30 10.40

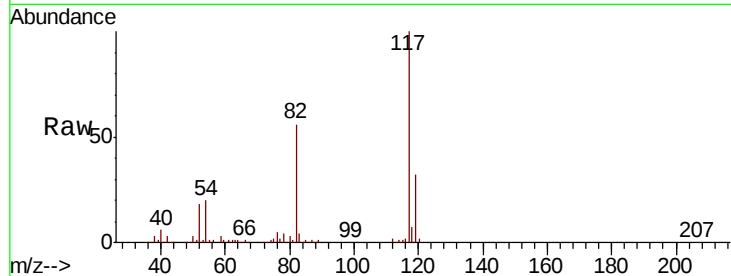




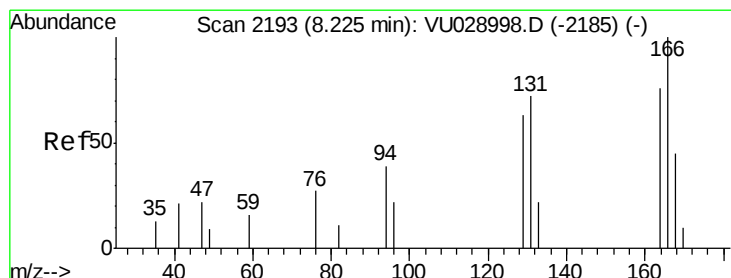
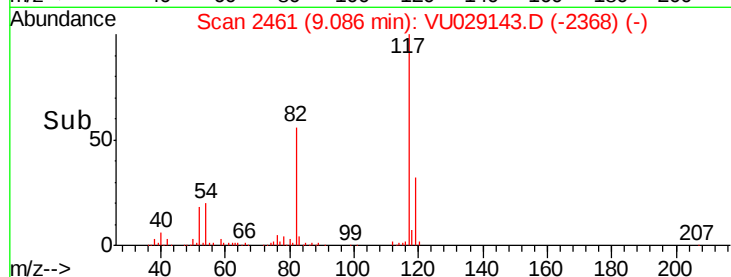
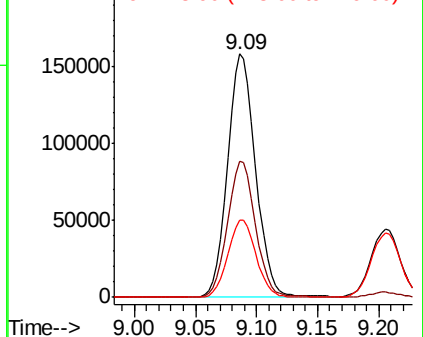
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.09 min Scan# 2461
Delta R.T. 0.00 min
Lab File: VU029143.D
Acq: 11 Jan 2019 15:44

Instrument :
MSVOA_U
ClientSampleId :
BFB70

Tgt Ion:117 Resp: 255016
Ion Ratio Lower Upper
117 100
82 55.7 43.9 65.9
119 31.6 26.0 39.0

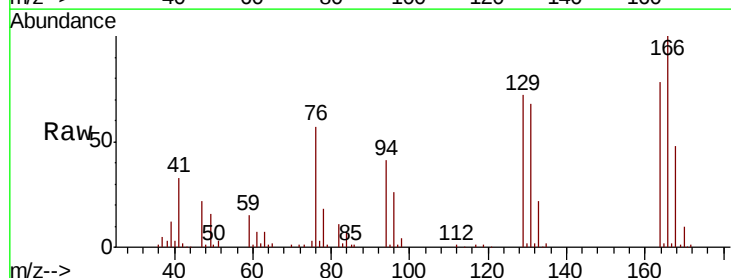


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VU028998.D (-2448) (-)
Ion 118.90 (118.60 to 119.60): V

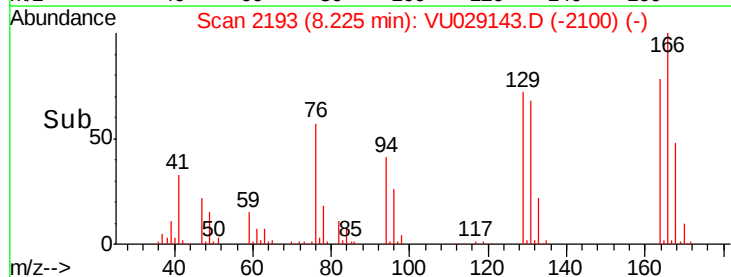
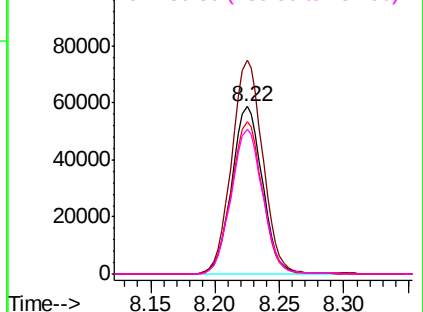


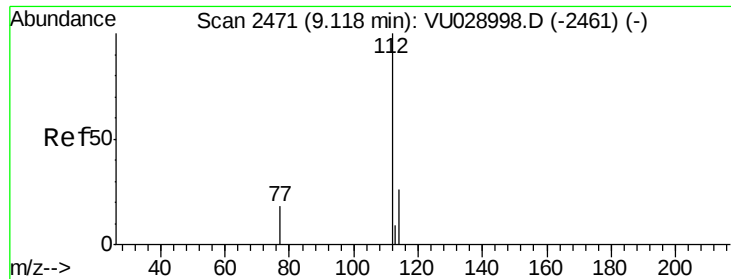
#64
Tetrachloroethene
Concen: 53.274 ug/l
RT: 8.22 min Scan# 2193
Delta R.T. 0.00 min
Lab File: VU029143.D
Acq: 11 Jan 2019 15:44

Tgt Ion:164 Resp: 97866
Ion Ratio Lower Upper
164 100
166 127.4 99.4 149.0
129 91.2 70.5 105.7
131 86.6 69.0 103.6



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

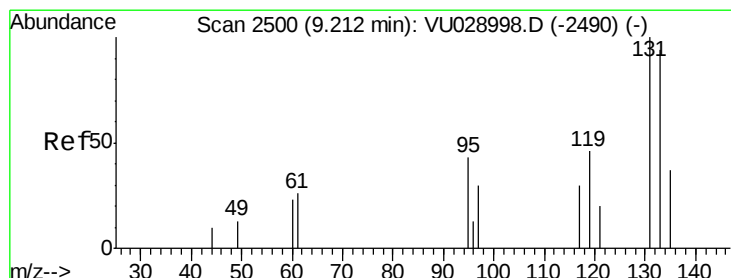
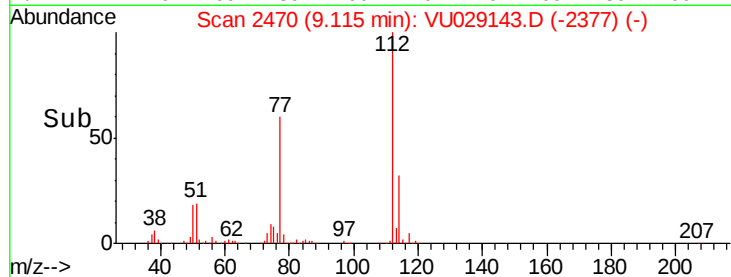
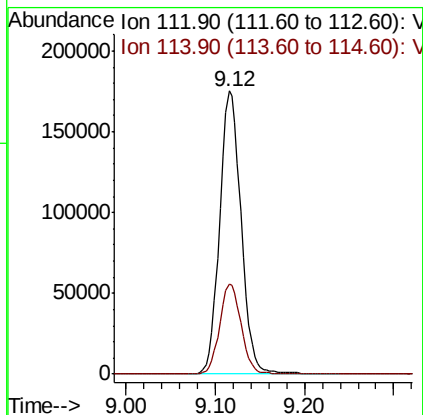
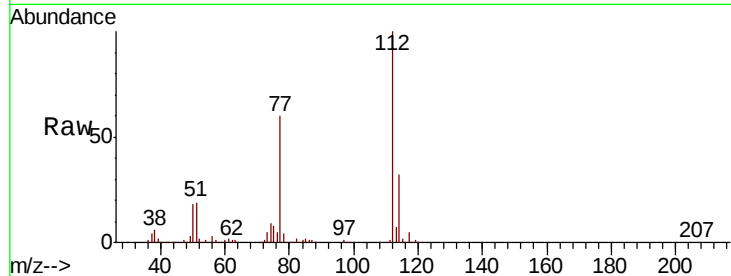




#65
Chlorobenzene
Concen: 51.086 ug/l
RT: 9.12 min Scan# 2470
Delta R.T. 0.00 min
Lab File: VU029143.D
Acq: 11 Jan 2019 15:44

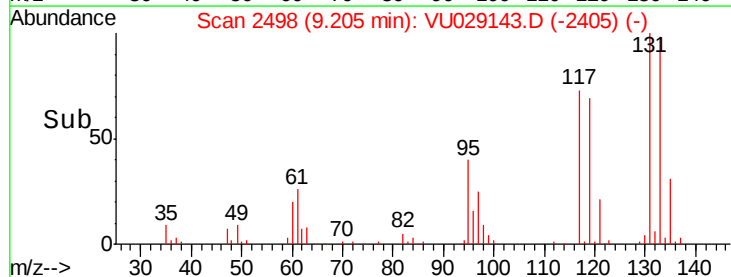
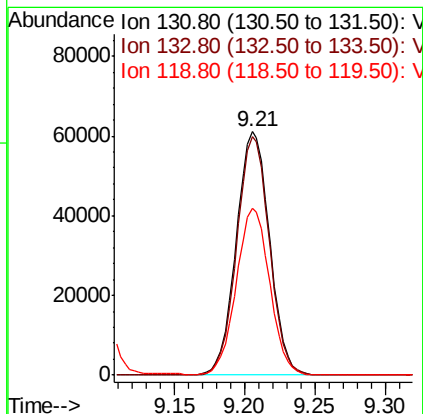
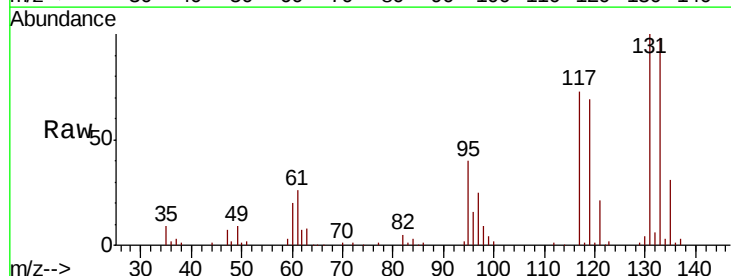
Instrument :
MSVOA_U
ClientSampleId :
BFB70

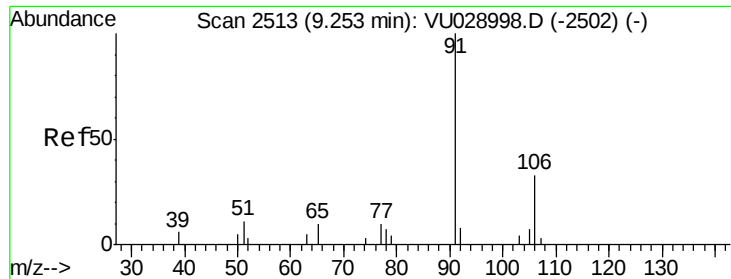
Tgt Ion:112 Resp: 292022
Ion Ratio Lower Upper
112 100
114 32.0 25.0 37.6



#66
1,1,1,2-Tetrachloroethane
Concen: 54.614 ug/l
RT: 9.21 min Scan# 2498
Delta R.T. 0.00 min
Lab File: VU029143.D
Acq: 11 Jan 2019 15:44

Tgt Ion:131 Resp: 101312
Ion Ratio Lower Upper
131 100
133 96.0 48.2 144.6
119 68.9 35.4 106.3

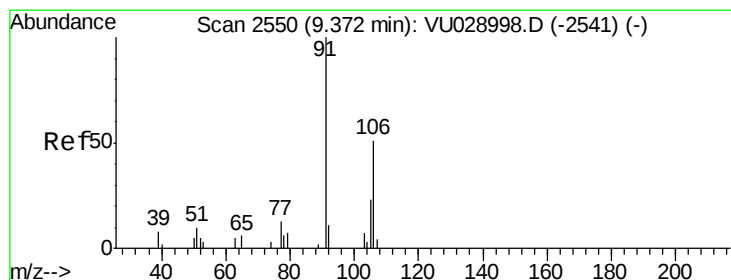
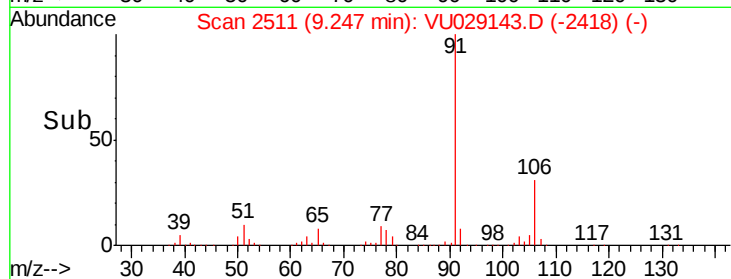
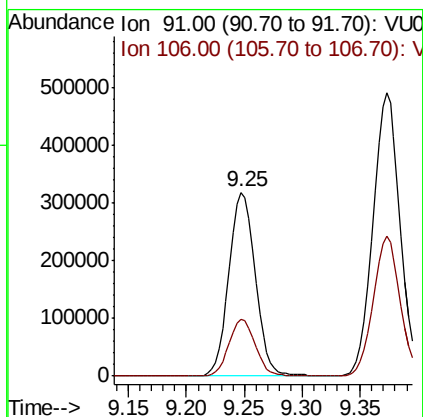
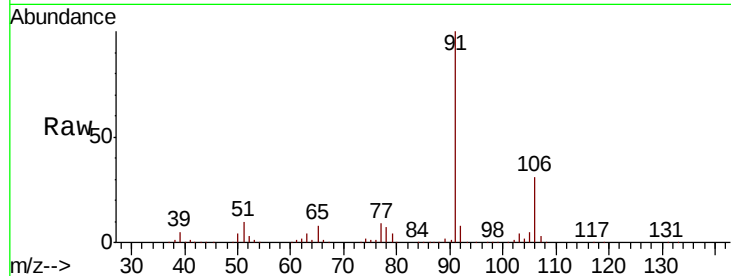




#67
Ethyl Benzene
Concen: 53.000 ug/l
RT: 9.25 min Scan# 2511
Delta R.T. 0.00 min
Lab File: VU029143.D
Acq: 11 Jan 2019 15:44

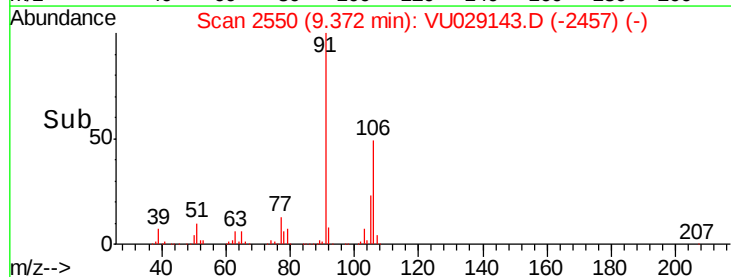
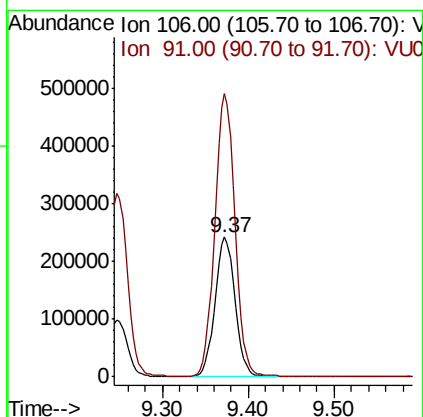
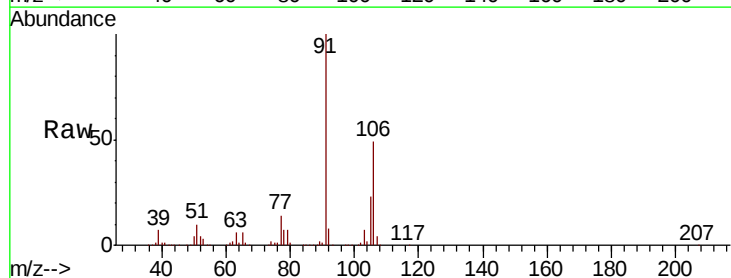
Instrument :
MSVOA_U
ClientSampleId :
BFB70

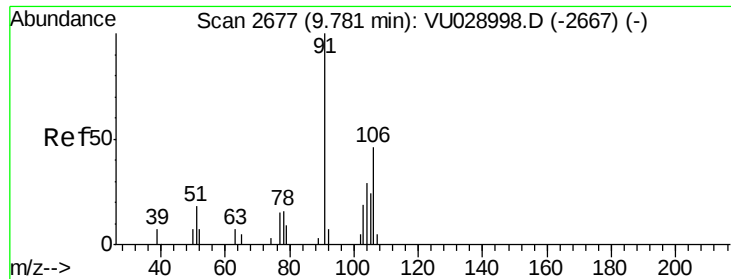
Tgt Ion: 91 Resp: 505817
Ion Ratio Lower Upper
91 100
106 31.2 25.0 37.4



#68
m/p-Xylenes
Concen: 106.788 ug/l
RT: 9.37 min Scan# 2550
Delta R.T. 0.00 min
Lab File: VU029143.D
Acq: 11 Jan 2019 15:44

Tgt Ion: 106 Resp: 395989
Ion Ratio Lower Upper
106 100
91 202.5 161.7 242.5

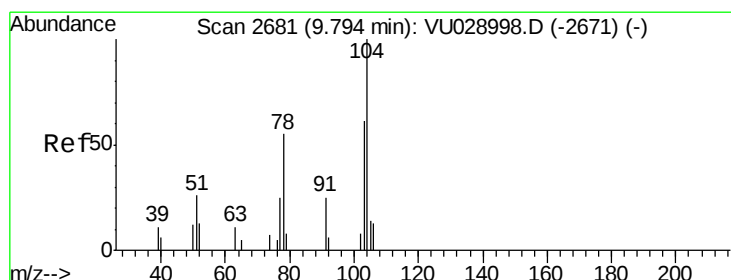
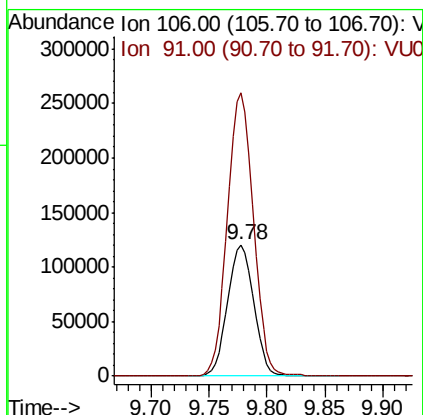
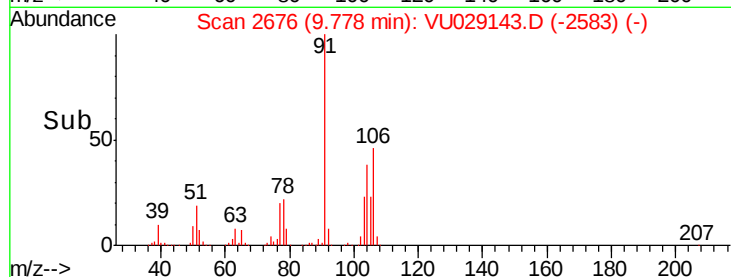
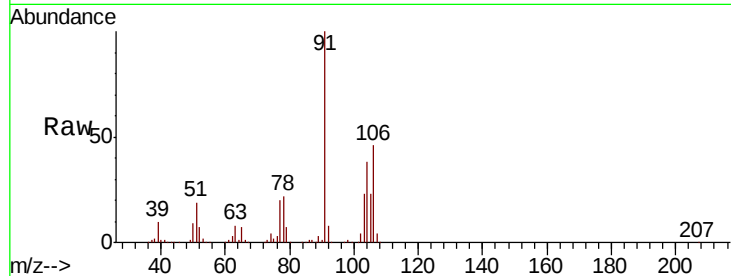




#69
o-Xylene
Concen: 52.468 ug/l
RT: 9.78 min Scan# 2676
Delta R.T. 0.00 min
Lab File: VU029143.D
Acq: 11 Jan 2019 15:44

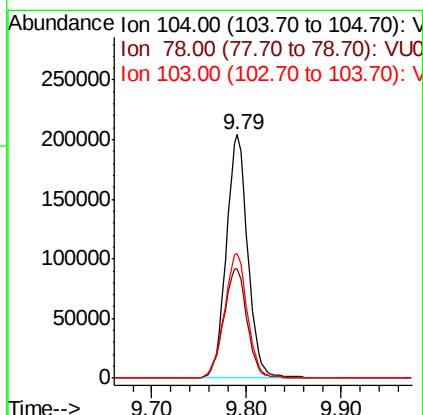
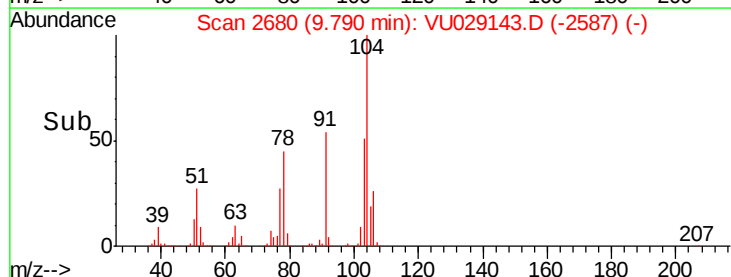
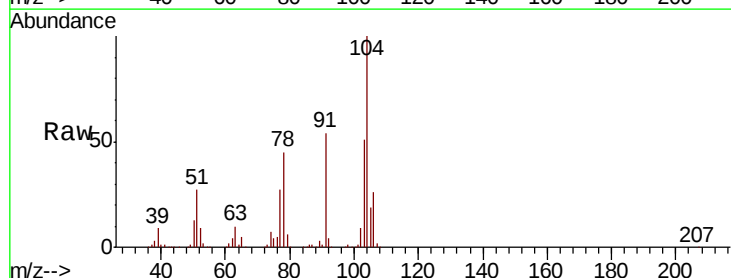
Instrument :
MSVOA_U
ClientSampleId :
BFB70

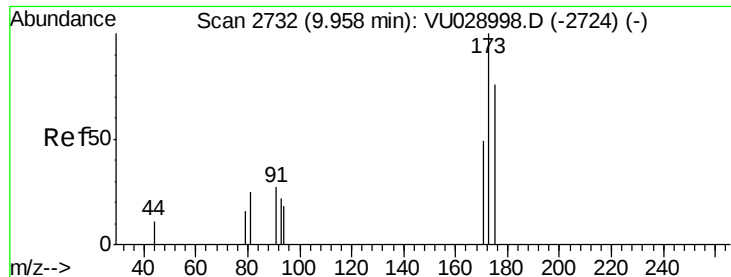
Tgt Ion:106 Resp: 187467
Ion Ratio Lower Upper
106 100
91 215.3 106.1 318.3



#70
Styrene
Concen: 55.029 ug/l
RT: 9.79 min Scan# 2680
Delta R.T. 0.00 min
Lab File: VU029143.D
Acq: 11 Jan 2019 15:44

Tgt Ion:104 Resp: 322320
Ion Ratio Lower Upper
104 100
78 49.0 38.6 58.0
103 55.0 44.5 66.7





#71

Bromoform

Concen: 52.321 ug/l

RT: 9.95 min Scan# 2731

Delta R.T. 0.00 min

Lab File: VU029143.D

Acq: 11 Jan 2019 15:44

Instrument :

MSVOA_U

ClientSampleId :

BFB70

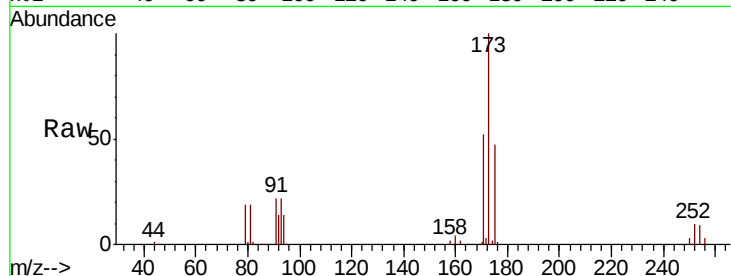
Tgt Ion:173 Resp: 86422

Ion Ratio Lower Upper

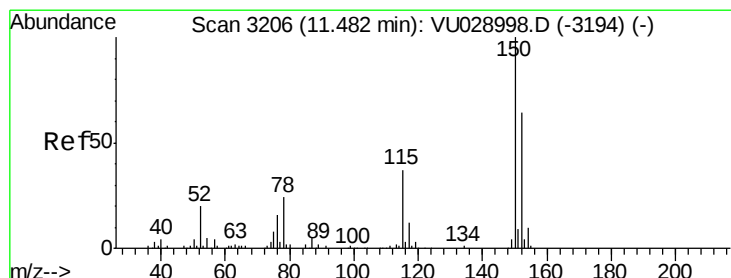
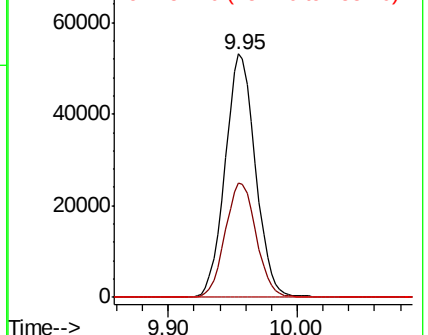
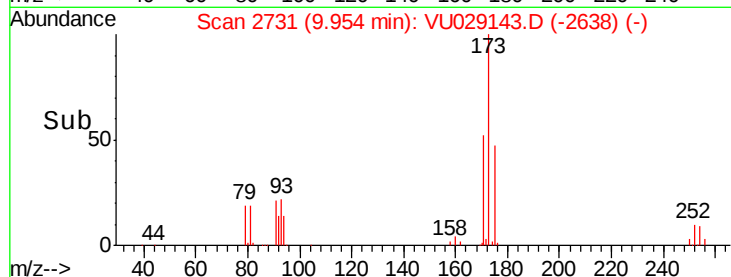
173 100

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: VU029143.D

Acq: 11 Jan 2019 15:44

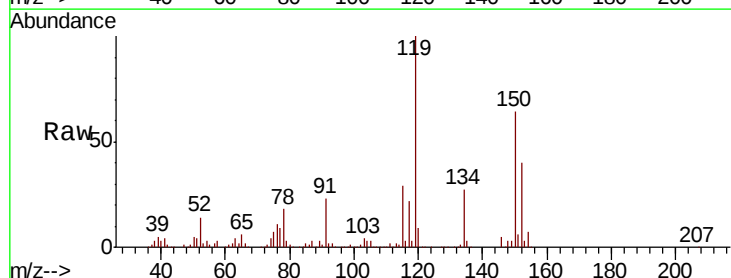
Tgt Ion:152 Resp: 133730

Ion Ratio Lower Upper

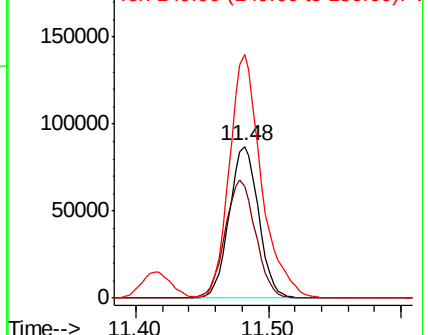
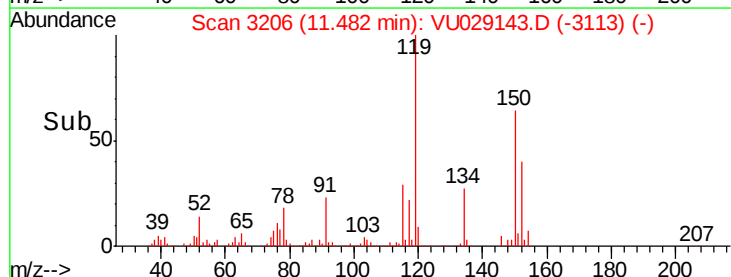
152 100

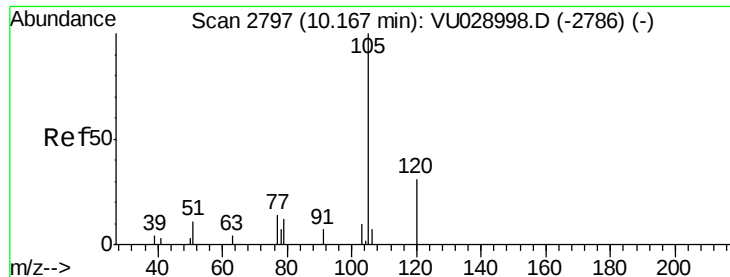
115 81.3 40.1 120.3

150 174.6 0.0 345.2



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





#73

Isopropylbenzene

Concen: 50.772 ug/l

RT: 10.16 min Scan# 2796

Delta R.T. 0.00 min

Lab File: VU029143.D

Acq: 11 Jan 2019 15:44

Instrument :

MSVOA_U

ClientSampleId :

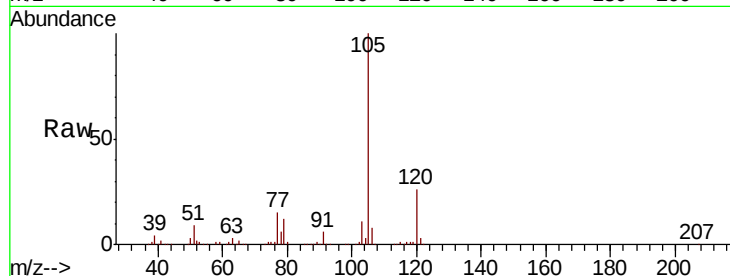
BFB70

Tgt Ion: 105 Resp: 502563

Ion Ratio Lower Upper

105 100

120 26.7 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

300000

200000

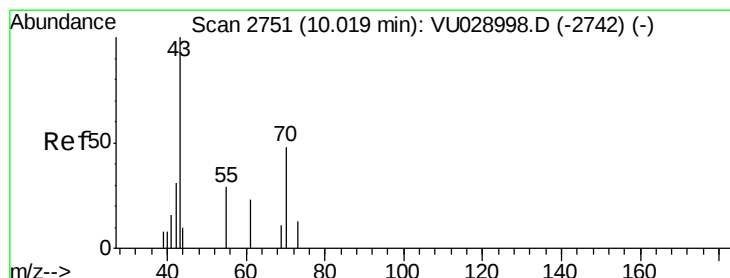
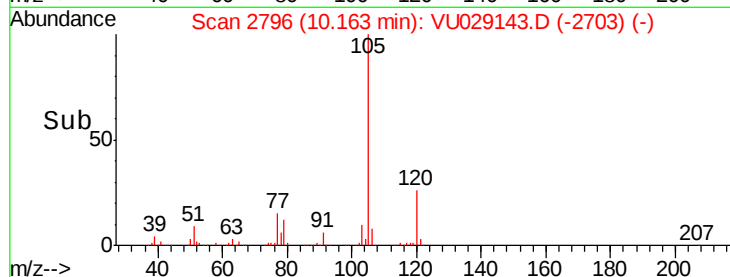
100000

0

Time-->

10.10

10.20



#74

N-ethyl acetate

Concen: 50.472 ug/l

RT: 10.01 min Scan# 2749

Delta R.T. 0.00 min

Lab File: VU029143.D

Acq: 11 Jan 2019 15:44

Tgt Ion: 43 Resp: 215281

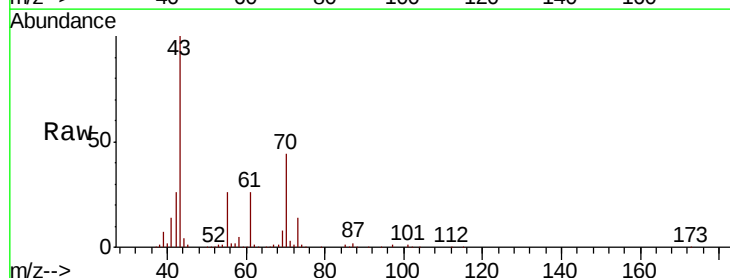
Ion Ratio Lower Upper

43 100

70 43.7 36.3 54.5

55 26.5 20.5 30.7

61 25.9 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

200000

150000

100000

50000

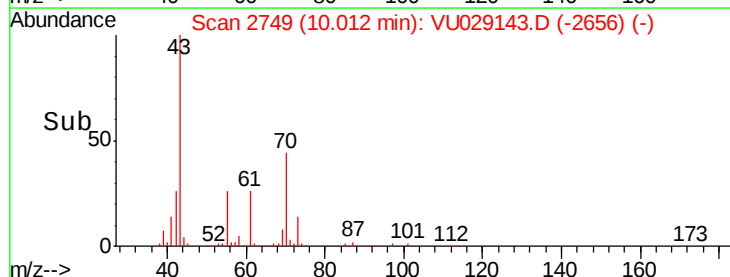
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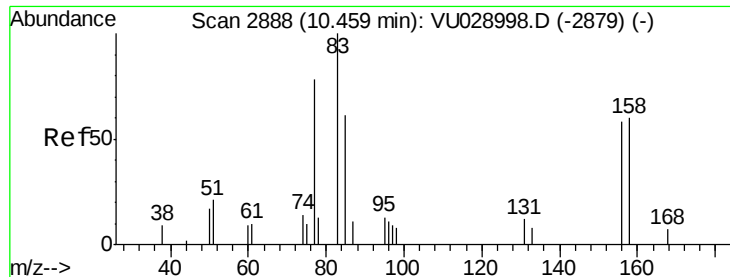
Time-->

9.90

10.00

10.10





#75

1,1,2,2-Tetrachloroethane

Concen: 49.090 ug/l

RT: 10.46 min Scan# 2887

Delta R.T. 0.00 min

Lab File: VU029143.D

Acq: 11 Jan 2019 15:44

Instrument :

MSVOA_U

ClientSampleId :

BFB70

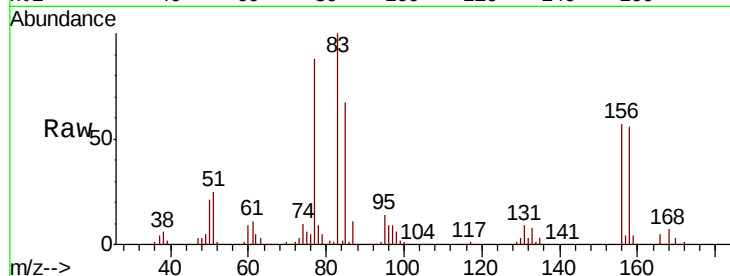
Tgt Ion: 83 Resp: 194747

Ion Ratio Lower Upper

83 100

131 8.6 4.7 14.1

85 65.3 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

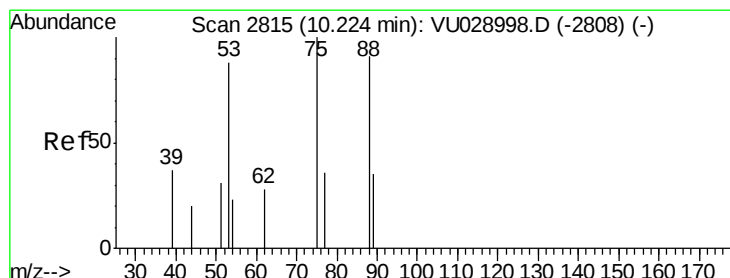
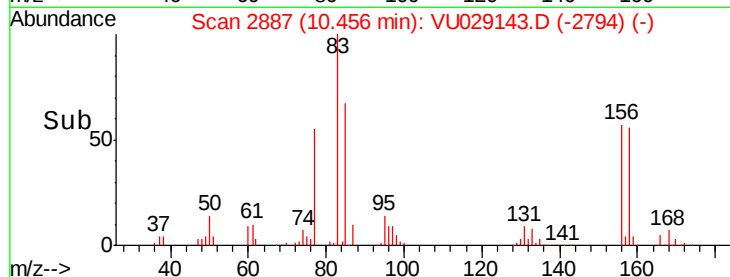
150000

100000

50000

0

Time-->



#76

1,2,3-Trichloropropane

Concen: 66.612 ug/l

RT: 10.49 min Scan# 2898

Delta R.T. 0.00 min

Lab File: VU029143.D

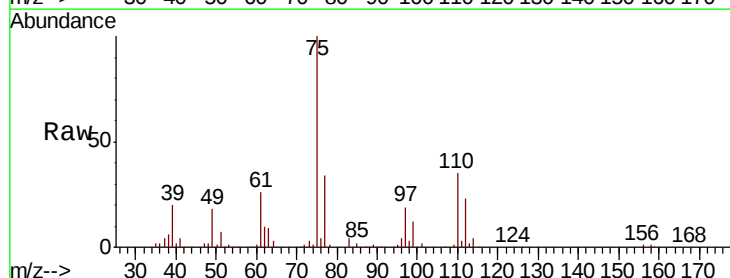
Acq: 11 Jan 2019 15:44

Tgt Ion: 75 Resp: 218262

Ion Ratio Lower Upper

75 100

77 30.6 20.9 62.8



Abundance Ion 74.90 (74.60 to 75.60): VU0

Ion 77.00 (76.70 to 77.70): VU0

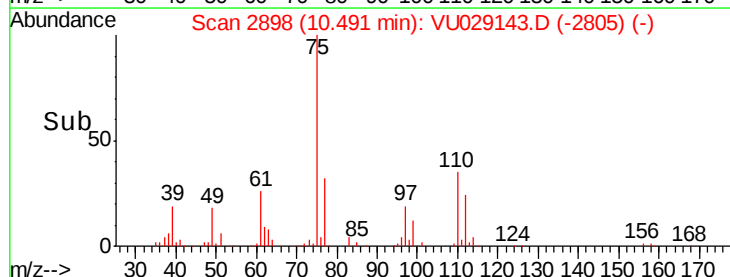
150000

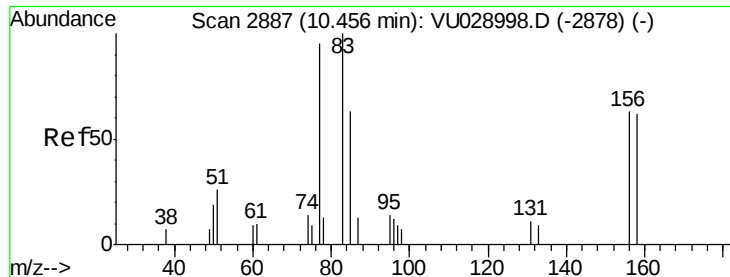
100000

50000

0

Time-->





#77

Bromobenzene

Concen: 49.591 ug/l

RT: 10.45 min Scan# 2885

Delta R.T. 0.00 min

Lab File: VU029143.D

Acq: 11 Jan 2019 15:44

Instrument :

MSVOA_U

ClientSampleId :

BFB70

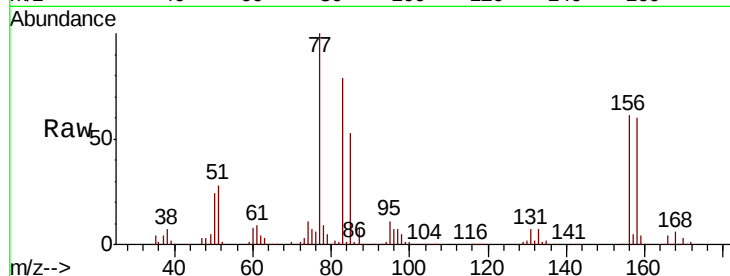
Tgt Ion:156 Resp: 127921

Ion Ratio Lower Upper

156 100

77 161.8 79.0 237.2

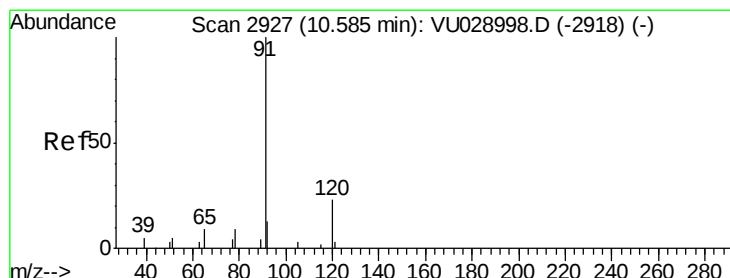
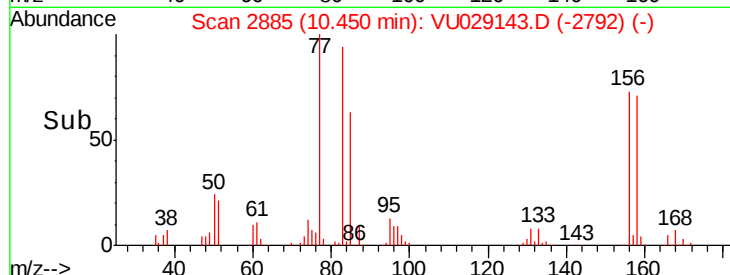
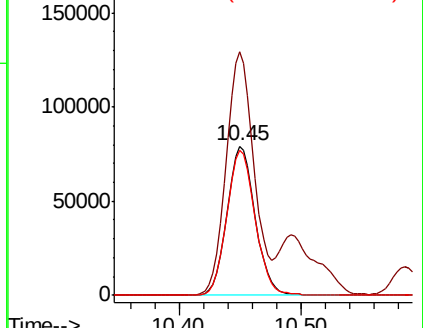
158 98.0 48.9 146.6



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VU0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 53.069 ug/l

RT: 10.58 min Scan# 2927

Delta R.T. 0.00 min

Lab File: VU029143.D

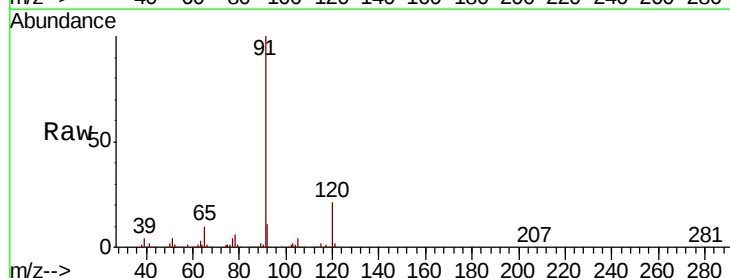
Acq: 11 Jan 2019 15:44

Tgt Ion: 91 Resp: 619052

Ion Ratio Lower Upper

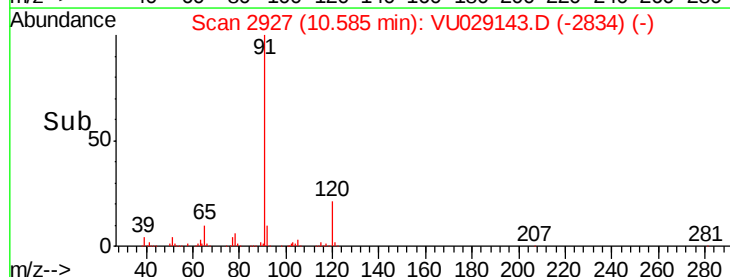
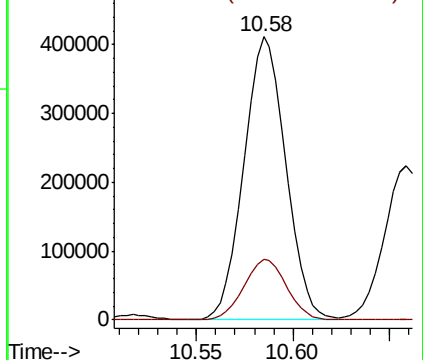
91 100

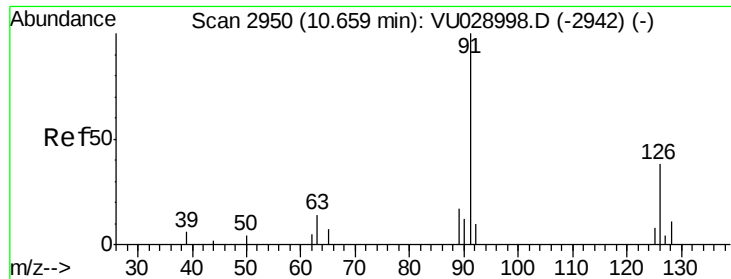
120 21.9 11.3 33.9



Abundance Ion 91.00 (90.70 to 91.70): VU0

Ion 120.00 (119.70 to 120.70): V

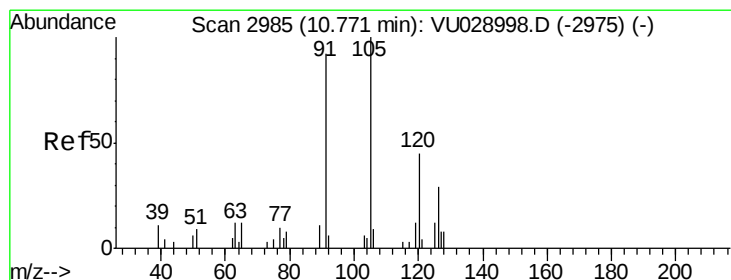
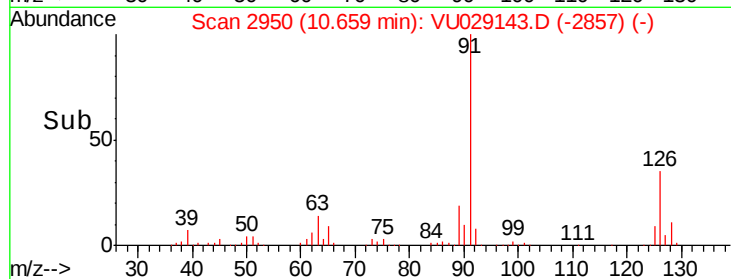
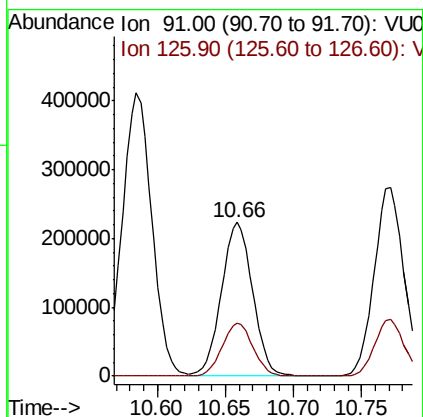
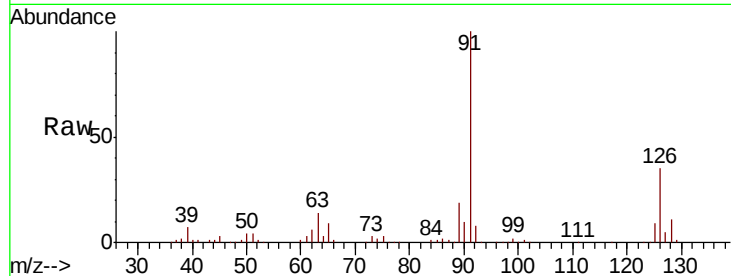




#79
 2-Chlorotoluene
 Concen: 50.039 ug/l
 RT: 10.66 min Scan# 2950
 Delta R.T. 0.00 min
 Lab File: VU029143.D
 Acq: 11 Jan 2019 15:44

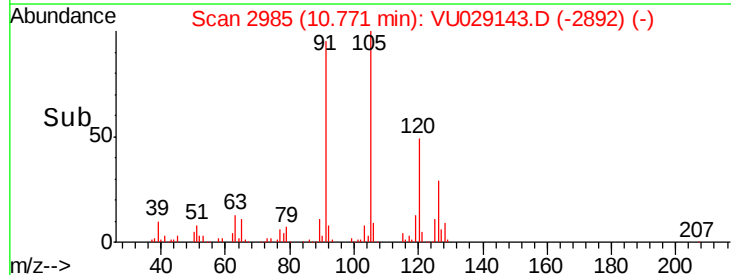
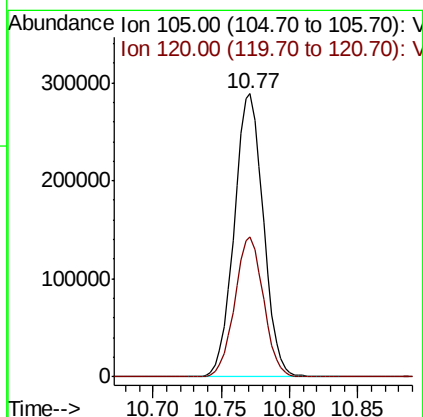
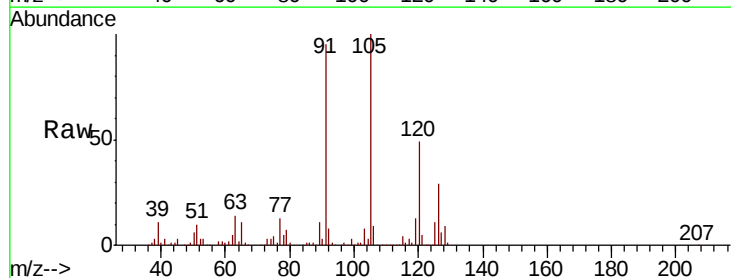
Instrument :
 MSVOA_U
 ClientSampleId :
 BFB70

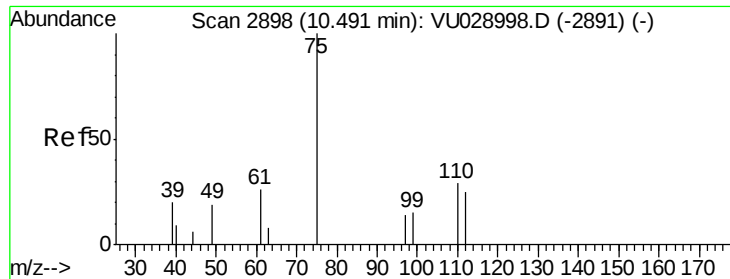
Tgt Ion: 91 Resp: 354085
 Ion Ratio Lower Upper
 91 100
 126 34.2 16.8 50.4



#80
 1,3,5-Trimethylbenzene
 Concen: 51.756 ug/l
 RT: 10.77 min Scan# 2985
 Delta R.T. 0.00 min
 Lab File: VU029143.D
 Acq: 11 Jan 2019 15:44

Tgt Ion: 105 Resp: 427811
 Ion Ratio Lower Upper
 105 100
 120 48.9 24.8 74.4





#81

trans-1,4-Dichloro-2-butene

Concen: 171.797 ug/l

RT: 10.49 min Scan# 2898

Delta R.T. -0.02 min

Lab File: VU029143.D

Acq: 11 Jan 2019 15:44

Instrument :

MSVOA_U

ClientSampleId :

BFB70

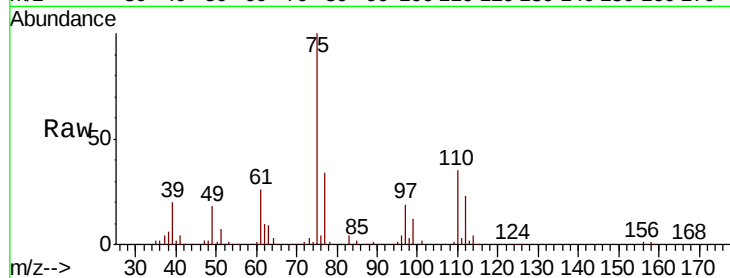
Tgt Ion: 75 Resp: 218262

Ion Ratio Lower Upper

75 100

53 0.0 0.0 0.0

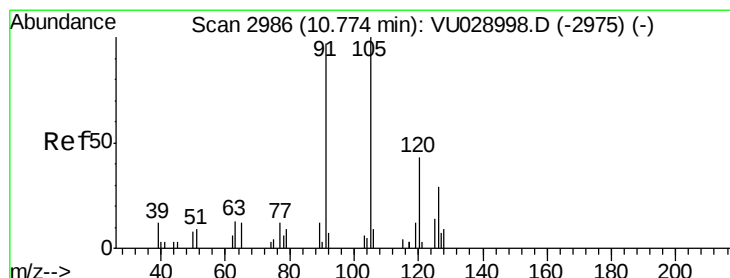
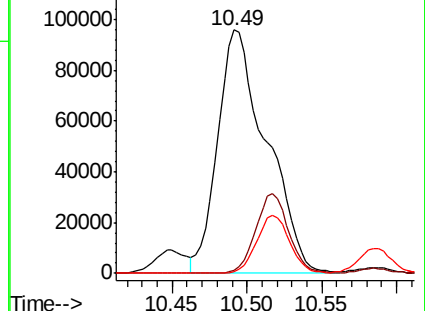
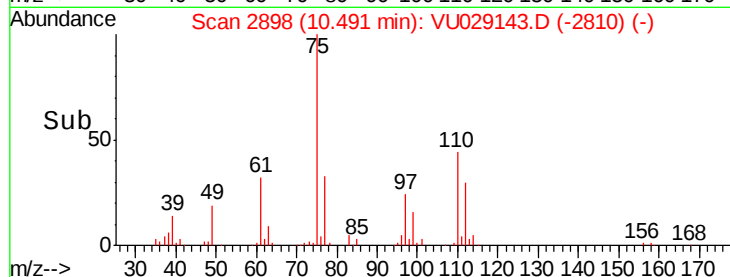
89 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VU028998.D (-2891) (-)

Ion 53.00 (52.70 to 53.70): VU028998.D (-2891) (-)

Ion 88.90 (88.60 to 89.60): VU028998.D (-2891) (-)



#82

4-Chlorotoluene

Concen: 51.157 ug/l

RT: 10.77 min Scan# 2985

Delta R.T. 0.00 min

Lab File: VU029143.D

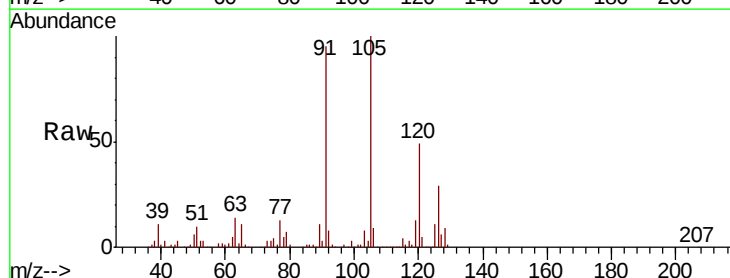
Acq: 11 Jan 2019 15:44

Tgt Ion: 91 Resp: 415083

Ion Ratio Lower Upper

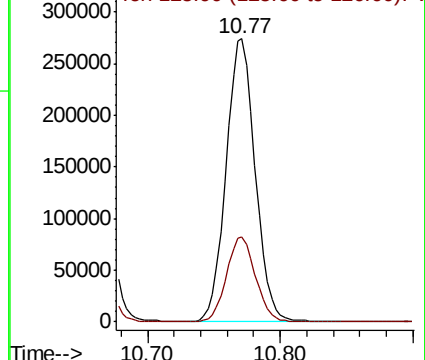
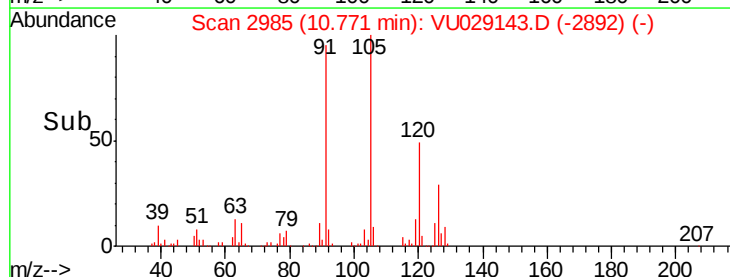
91 100

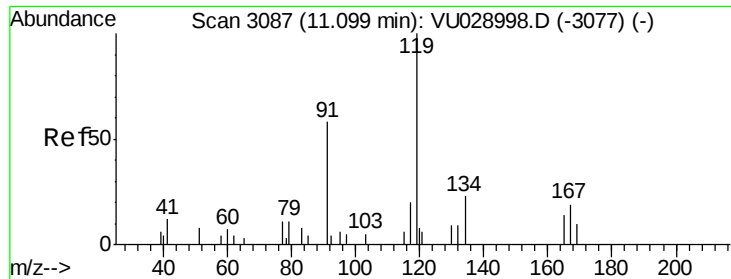
126 29.8 15.5 46.5



Abundance Ion 91.00 (90.70 to 91.70): VU028998.D (-2975) (-)

Ion 125.90 (125.60 to 126.60): VU028998.D (-2975) (-)

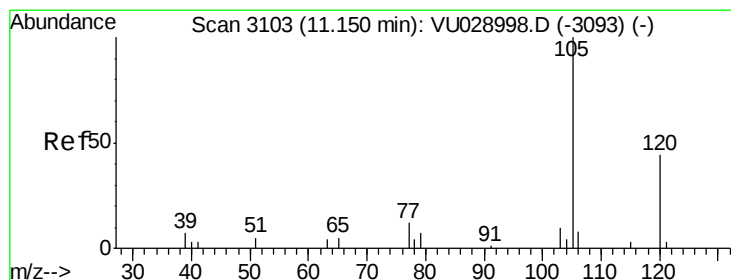
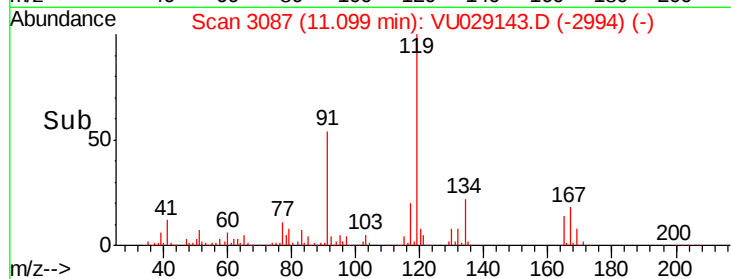
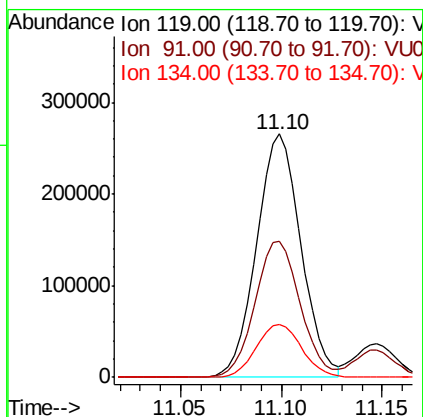
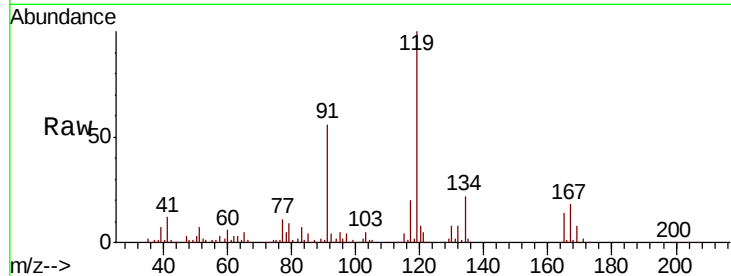




#83
tert-Butylbenzene
Concen: 50.082 ug/l
RT: 11.10 min Scan# 3087
Delta R.T. 0.00 min
Lab File: VU029143.D
Acq: 11 Jan 2019 15:44

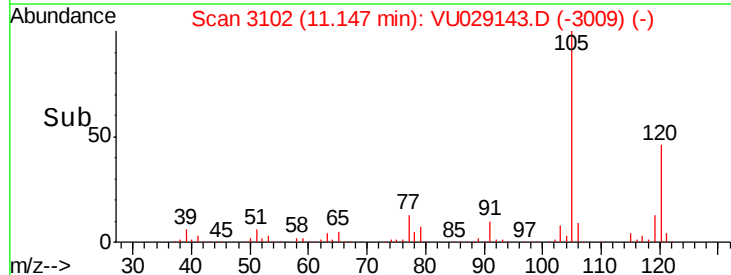
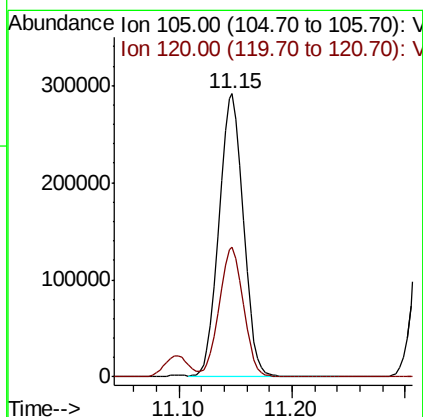
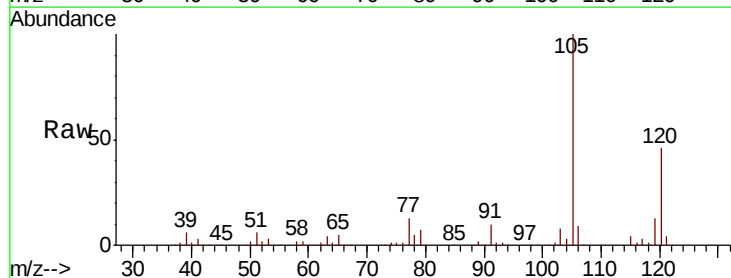
Instrument :
MSVOA_U
ClientSampleId :
BFB70

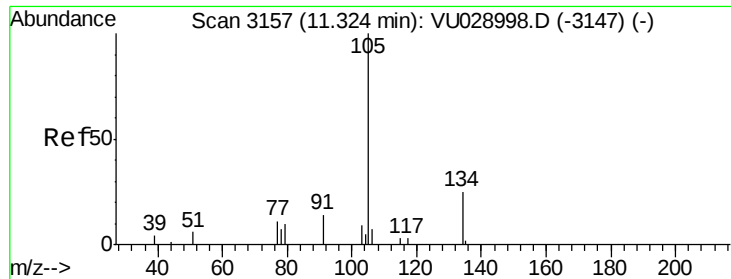
Tgt Ion:119 Resp: 408023
Ion Ratio Lower Upper
119 100
91 57.1 28.2 84.6
134 22.3 11.3 33.8



#84
1,2,4-Trimethylbenzene
Concen: 53.125 ug/l
RT: 11.15 min Scan# 3102
Delta R.T. 0.00 min
Lab File: VU029143.D
Acq: 11 Jan 2019 15:44

Tgt Ion:105 Resp: 438422
Ion Ratio Lower Upper
105 100
120 45.5 23.1 69.3

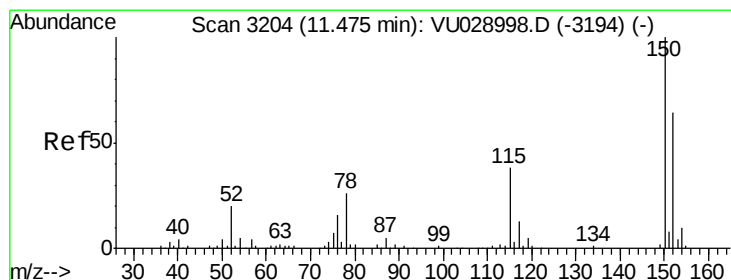
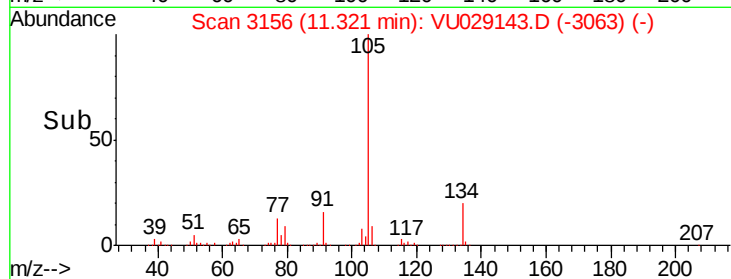
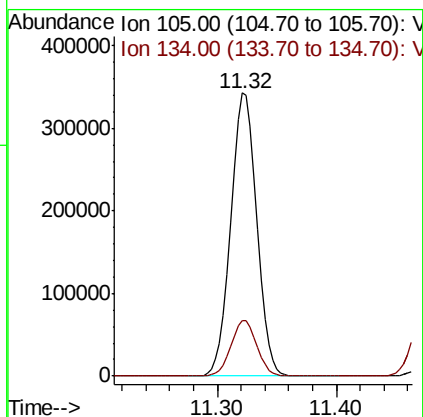
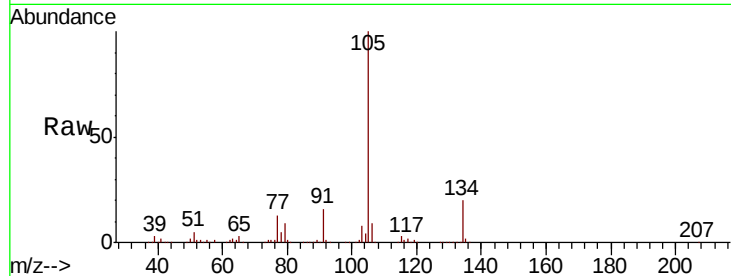




#85
 sec-Butylbenzene
 Concen: 52.589 ug/l
 RT: 11.32 min Scan# 3156
 Delta R.T. 0.00 min
 Lab File: VU029143.D
 Acq: 11 Jan 2019 15:44

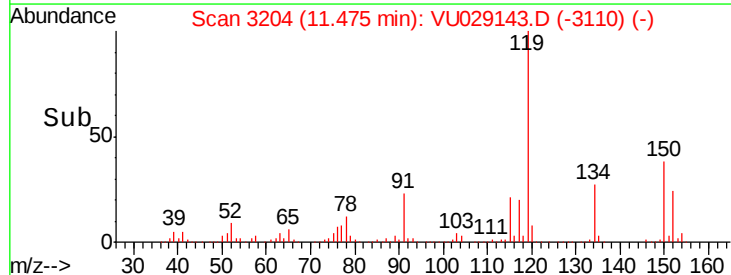
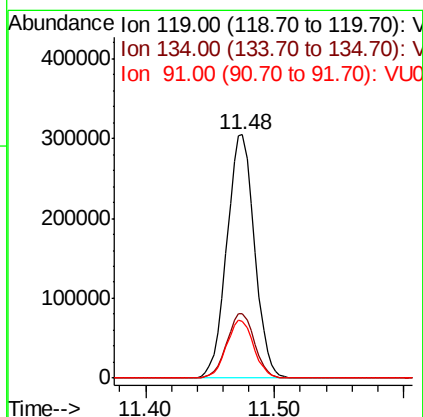
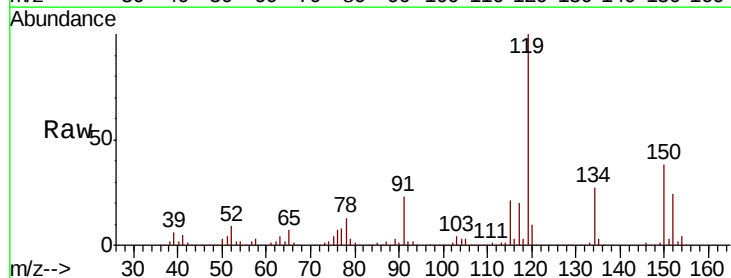
Instrument :
 MSVOA_U
 ClientSampleId :
 BFB70

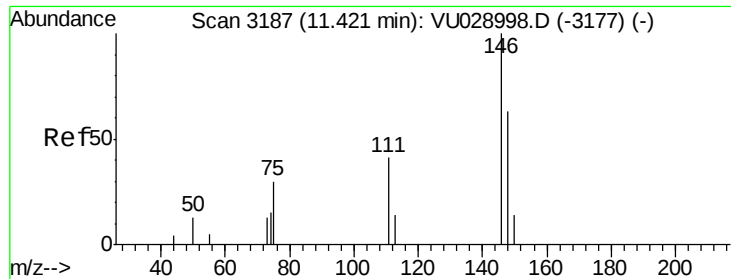
Tgt Ion:105 Resp: 518160
 Ion Ratio Lower Upper
 105 100
 134 19.4 9.7 29.1



#86
 p-Isopropyltoluene
 Concen: 53.782 ug/l
 RT: 11.48 min Scan# 3204
 Delta R.T. 0.00 min
 Lab File: VU029143.D
 Acq: 11 Jan 2019 15:44

Tgt Ion:119 Resp: 451556
 Ion Ratio Lower Upper
 119 100
 134 26.7 13.5 40.4
 91 23.3 11.3 33.8

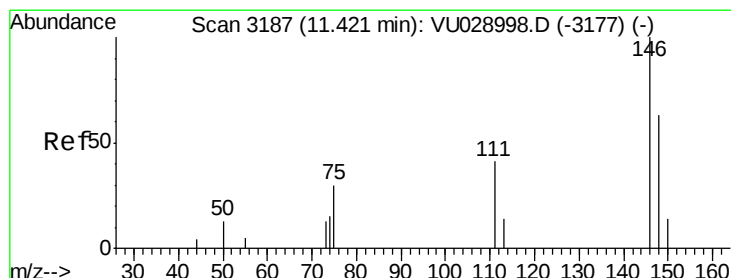
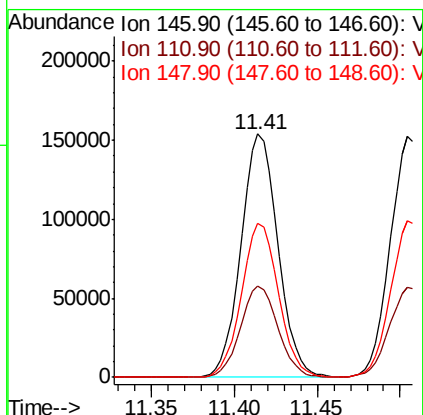
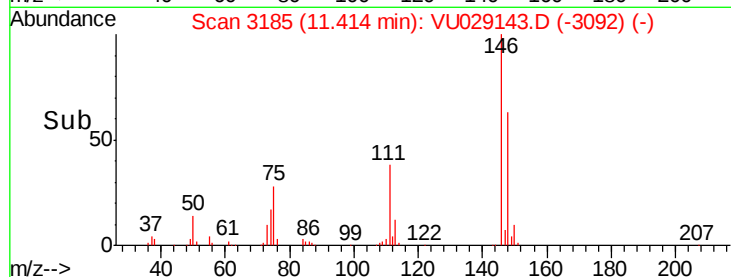
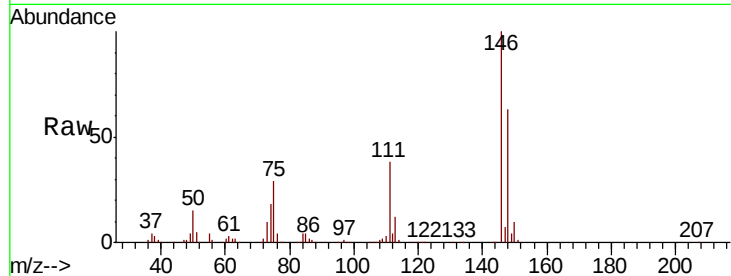




#87
 1,3-Dichlorobenzene
 Concen: 50.430 ug/l
 RT: 11.41 min Scan# 3185
 Delta R.T. 0.00 min
 Lab File: VU029143.D
 Acq: 11 Jan 2019 15:44

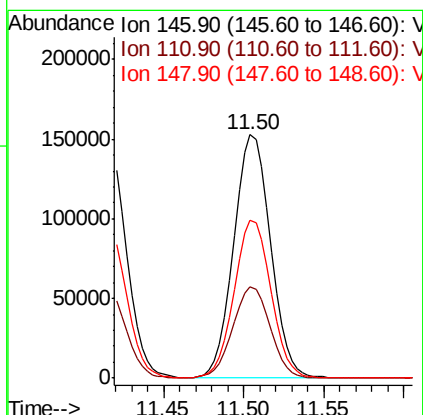
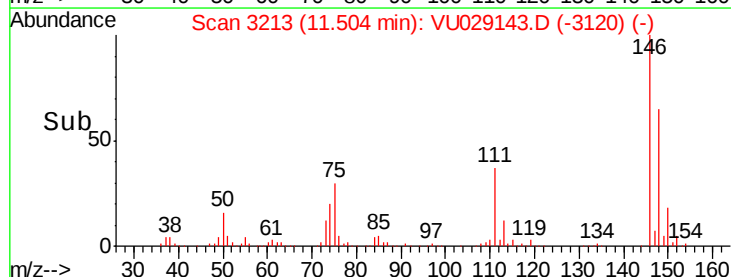
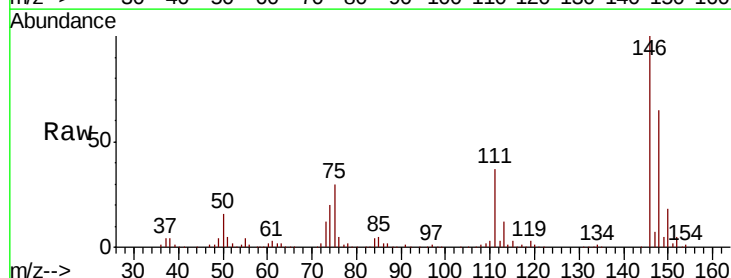
Instrument :
 MSVOA_U
 ClientSampleId :
 BFB70

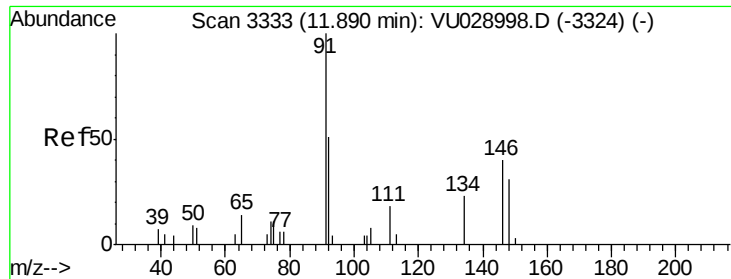
Tgt Ion:146 Resp: 238603
 Ion Ratio Lower Upper
 146 100
 111 38.1 19.3 57.8
 148 63.3 32.5 97.5



#88
 1,4-Dichlorobenzene
 Concen: 48.739 ug/l
 RT: 11.50 min Scan# 3213
 Delta R.T. 0.00 min
 Lab File: VU029143.D
 Acq: 11 Jan 2019 15:44

Tgt Ion:146 Resp: 238036
 Ion Ratio Lower Upper
 146 100
 111 38.4 19.1 57.3
 148 64.8 32.6 98.0





#89

n-Butylbenzene

Concen: 57.907 ug/l

RT: 11.89 min Scan# 3332

Delta R.T. 0.00 min

Lab File: VU029143.D

Acq: 11 Jan 2019 15:44

Instrument :

MSVOA_U

ClientSampled :

BFB70

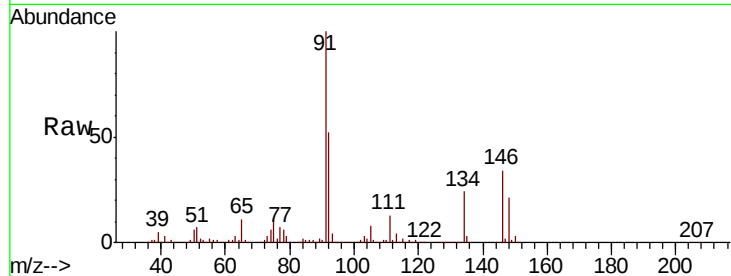
Tgt Ion: 91 Resp: 433940

Ion Ratio Lower Upper

91 100

92 51.8 26.2 78.5

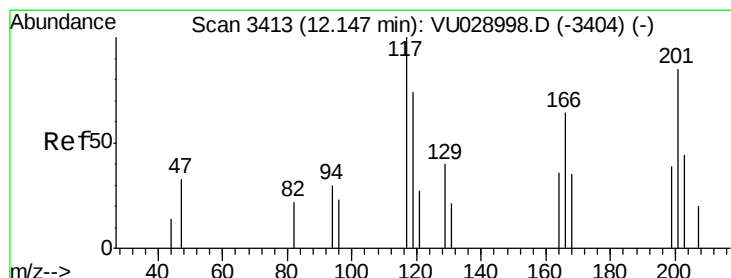
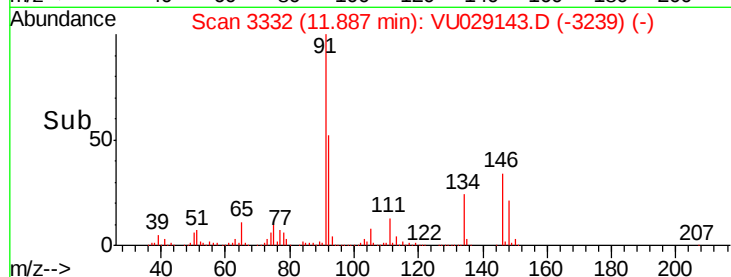
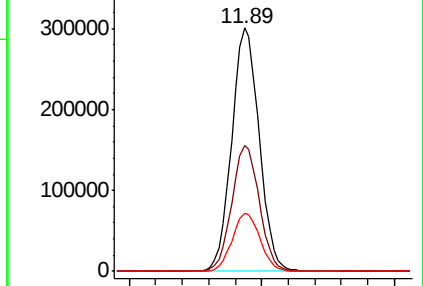
134 24.3 12.6 37.6



Abundance Ion 91.00 (90.70 to 91.70): VU028998.D (-3324) (-)

Ion 92.00 (91.70 to 92.70): VU028998.D (-3324) (-)

Ion 134.00 (133.70 to 134.70): VU028998.D (-3324) (-)



#90

Hexachloroethane

Concen: 48.751 ug/l

RT: 12.14 min Scan# 3412

Delta R.T. 0.00 min

Lab File: VU029143.D

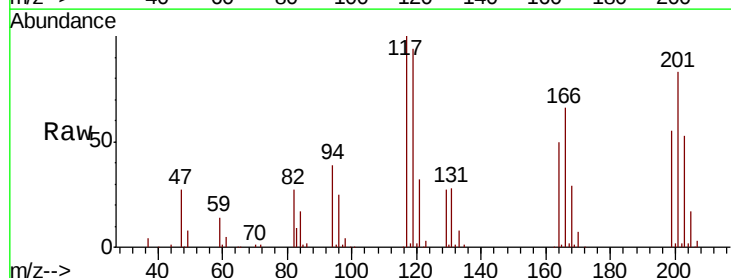
Acq: 11 Jan 2019 15:44

Tgt Ion: 117 Resp: 68859

Ion Ratio Lower Upper

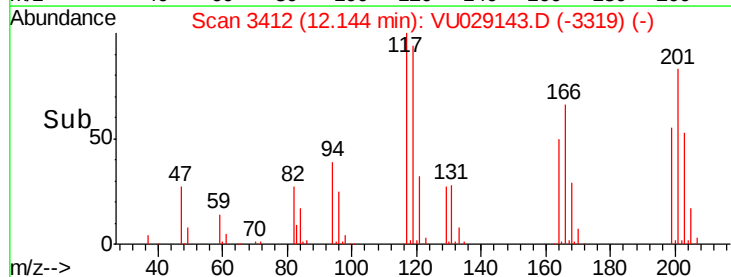
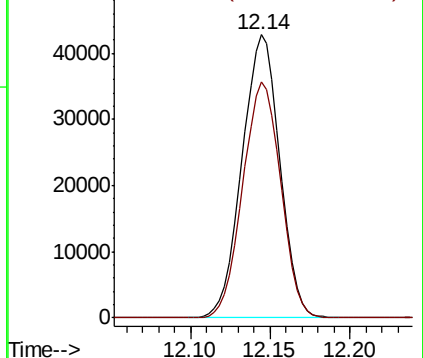
117 100

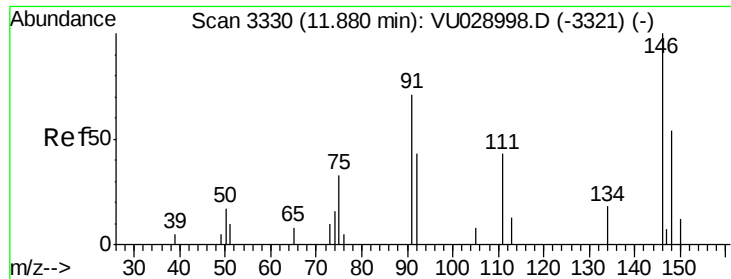
201 84.0 42.4 127.3



Abundance Ion 116.80 (116.50 to 117.50): VU028998.D (-3404) (-)

Ion 200.70 (200.40 to 201.40): VU028998.D (-3404) (-)

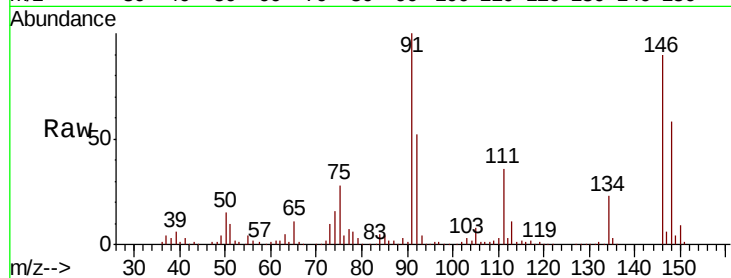




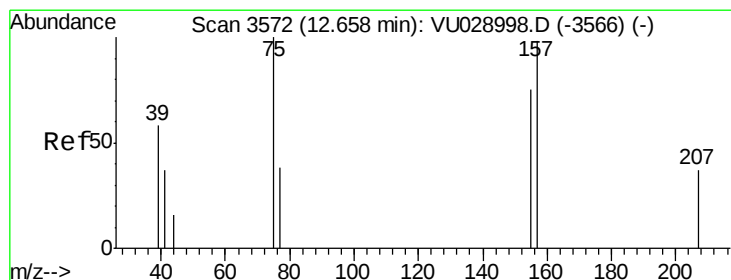
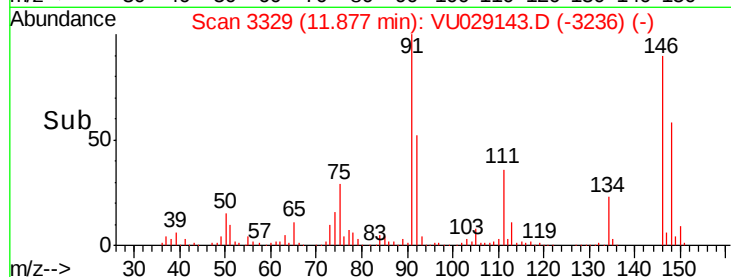
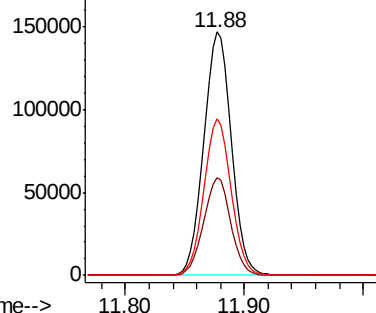
#91
 1,2-Dichlorobenzene
 Concen: 49.623 ug/l
 RT: 11.88 min Scan# 3329
 Delta R.T. 0.00 min
 Lab File: VU029143.D
 Acq: 11 Jan 2019 15:44

Instrument :
 MSVOA_U
 ClientSampleId :
 BFB70

Tgt Ion: 146 Resp: 236482
 Ion Ratio Lower Upper
 146 100
 111 39.2 20.0 59.9
 148 63.3 31.6 94.8

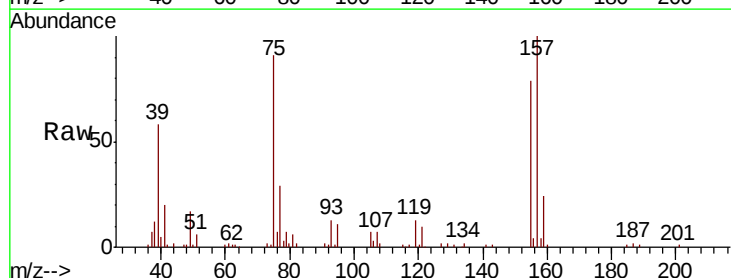


Abundance Ion 145.90 (145.60 to 146.60): V
 Ion 110.90 (110.60 to 111.60): V
 Ion 147.90 (147.60 to 148.60): V

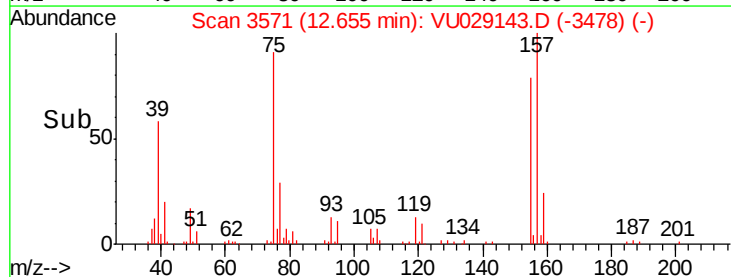
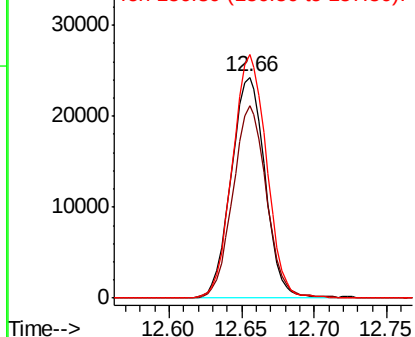


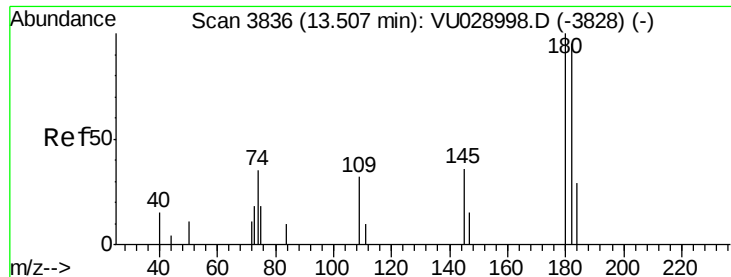
#92
 1,2-Dibromo-3-Chloropropane
 Concen: 51.636 ug/l
 RT: 12.66 min Scan# 3571
 Delta R.T. 0.00 min
 Lab File: VU029143.D
 Acq: 11 Jan 2019 15:44

Tgt Ion: 75 Resp: 39399
 Ion Ratio Lower Upper
 75 100
 155 86.3 46.3 138.8
 157 111.0 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

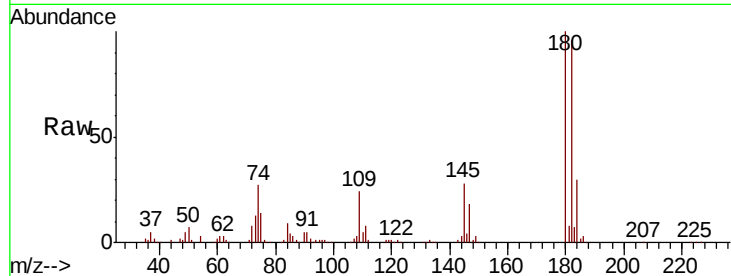




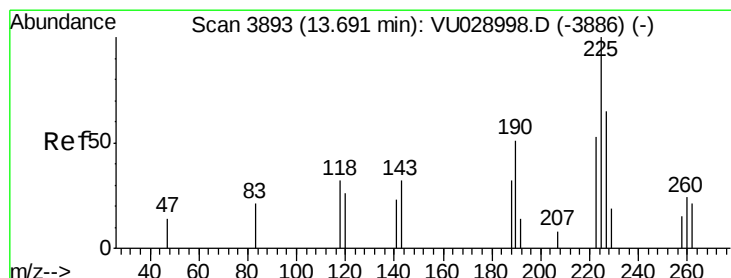
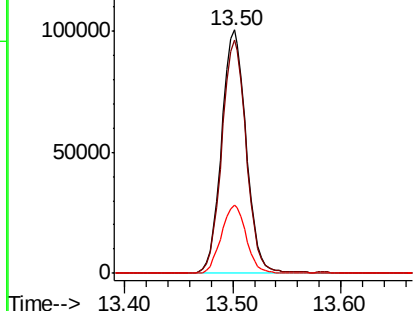
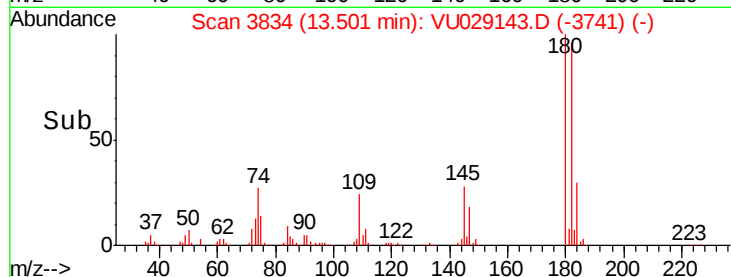
#93
 1,2,4-Trichlorobenzene
 Concen: 52.472 ug/l
 RT: 13.50 min Scan# 3834
 Delta R.T. 0.00 min
 Lab File: VU029143.D
 Acq: 11 Jan 2019 15:44

Instrument :
 MSVOA_U
 ClientSampleId :
 BFB70

Tgt Ion:180 Resp: 159626
 Ion Ratio Lower Upper
 180 100
 182 94.8 47.5 142.6
 145 28.0 14.0 42.0

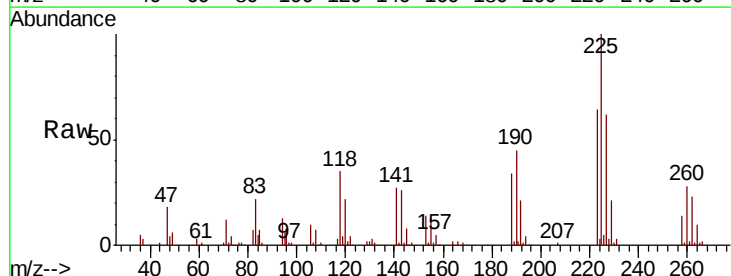


Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

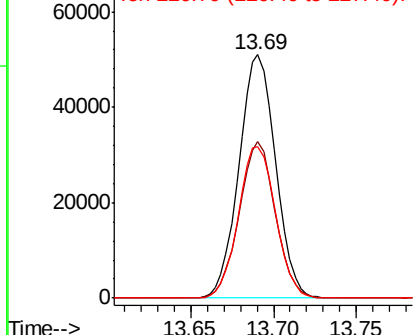
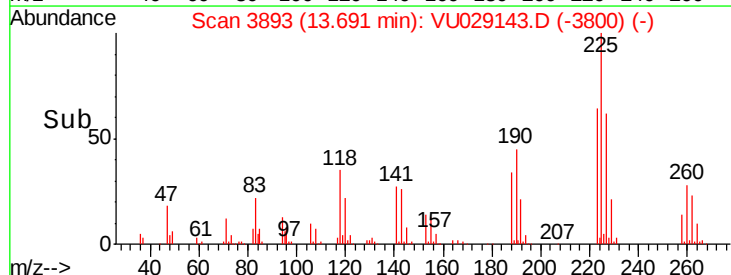


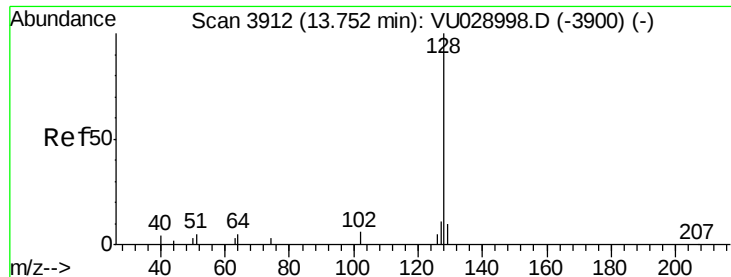
#94
 Hexachlorobutadiene
 Concen: 56.310 ug/l
 RT: 13.69 min Scan# 3893
 Delta R.T. 0.00 min
 Lab File: VU029143.D
 Acq: 11 Jan 2019 15:44

Tgt Ion:225 Resp: 78352
 Ion Ratio Lower Upper
 225 100
 223 63.1 31.4 94.0
 227 63.2 31.9 95.5



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

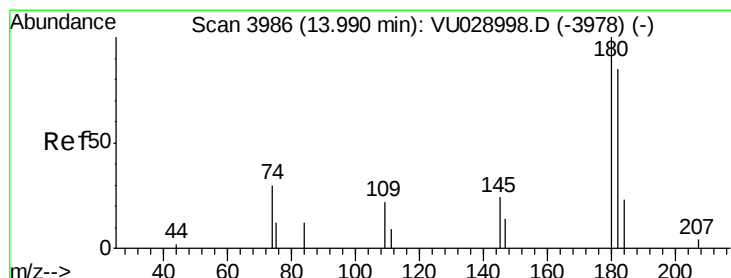
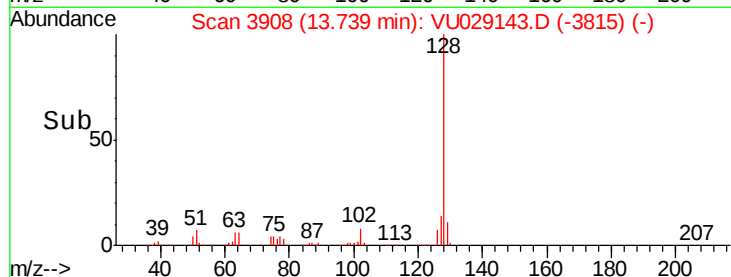
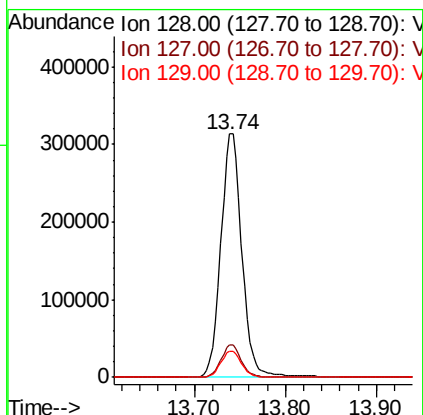
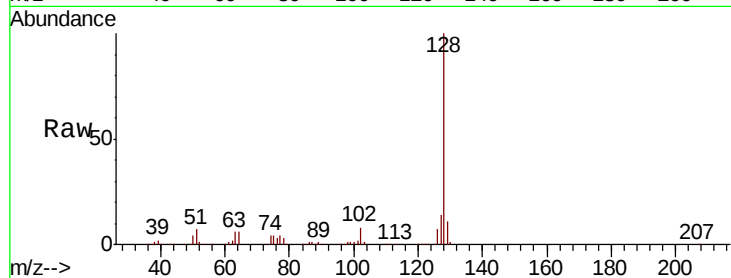




#95
Naphthalene
Concen: 48.861 ug/l
RT: 13.74 min Scan# 3908
Delta R.T. 0.00 min
Lab File: VU029143.D
Acq: 11 Jan 2019 15:44

Instrument :
MSVOA_U
ClientSampleId :
BFB70

Tgt Ion:128 Resp: 505649
Ion Ratio Lower Upper
128 100
127 12.9 10.1 15.1
129 10.8 8.5 12.7



#96
1,2,3-Trichlorobenzene
Concen: 50.964 ug/l
RT: 13.99 min Scan# 3985
Delta R.T. 0.00 min
Lab File: VU029143.D
Acq: 11 Jan 2019 15:44

Tgt Ion:180 Resp: 159652
Ion Ratio Lower Upper
180 100
182 96.6 48.1 144.3
145 30.7 14.8 44.4

