

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\U112818\
 Data File : VU028365.D
 Acq On : 28 Nov 2018 14:55
 Operator : MD/SY
 Sample : VU1128MBS01
 Misc : 5.00µg/10mL/100µL/5.0mL/MSVOA_U/MEOH
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VU1128MBS01

Quant Time: Nov 29 06:15:59 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\82U112818W.M
 Quant Title : SW846 8260
 QLast Update : Thu Nov 29 01:04:49 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.98	168	238248	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.88	114	430660	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.09	117	388139	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.48	152	174750	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	201386	50.58	ug/l	0.00
Spiked Amount			Recovery	=	101.16%	
35) Dibromofluoromethane	4.88	113	140772	49.16	ug/l	0.00
Spiked Amount			Recovery	=	98.32%	
50) Toluene-d8	7.57	98	552238	48.22	ug/l	0.00
Spiked Amount			Recovery	=	96.44%	
62) 4-Bromofluorobenzene	10.30	95	194293	47.07	ug/l	0.00
Spiked Amount			Recovery	=	94.14%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.21	85	63303	19.807	ug/l	99
3) Chloromethane	1.33	50	121866	19.672	ug/l	99
4) Vinyl Chloride	1.40	62	85893	19.817	ug/l	100
5) Bromomethane	1.61	94	29652	17.688	ug/l	94
6) Chloroethane	1.69	64	50989	20.444	ug/l	97
7) Trichlorofluoromethane	1.88	101	91620	20.350	ug/l	99
8) Diethyl Ether	2.10	74	41200	19.685	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	2.28	101	52001	19.827	ug/l	96
10) Methyl Iodide	2.41	142	54695	22.115	ug/l	99
11) Tert butyl alcohol	2.83	59	96048	106.180	ug/l	98
12) 1,1-Dichloroethene	2.28	96	52740	20.721	ug/l	94
13) Acrolein	2.19	56	74262	92.345	ug/l	99
14) Allyl chloride	2.59	41	146938	22.096	ug/l	90
15) Acrylonitrile	2.94	53	249960	104.464	ug/l	99
16) Acetone	2.32	43	230083	94.462	ug/l	98
17) Carbon Disulfide	2.48	76	187952	19.239	ug/l	100
18) Methyl Acetate	2.61	43	140125	20.663	ug/l	100
19) Methyl tert-butyl Ether	3.00	73	212938	20.407	ug/l	98
20) Methylene Chloride	2.70	84	68364	19.855	ug/l	97
21) trans-1,2-Dichloroethene	2.98	96	59703	20.226	ug/l	98
22) Diisopropyl ether	3.57	45	268404	20.501	ug/l	97
23) Vinyl Acetate	3.52	43	1110805	102.074	ug/l	99
24) 1,1-Dichloroethane	3.45	63	132586	20.540	ug/l	99
25) 2-Butanone	4.26	43	358970	102.834	ug/l	99
26) 2,2-Dichloropropane	4.22	77	101901	19.878	ug/l	100
27) cis-1,2-Dichloroethene	4.22	96	70076	20.074	ug/l	98
28) Bromochloromethane	4.55	49	66144	20.493	ug/l	97
29) Tetrahydrofuran	4.64	42	244290	107.786	ug/l	99
30) Chloroform	4.67	83	118631	19.911	ug/l	100
31) Cyclohexane	4.99	56	137528	20.528	ug/l	99
32) 1,1,1-Trichloroethane	4.92	97	97214	20.334	ug/l	100
36) 1,1-Dichloropropene	5.13	75	90565	19.217	ug/l	100
37) Ethyl Acetate	4.38	43	133742	20.825	ug/l	99
38) Carbon Tetrachloride	5.13	117	74061	19.138	ug/l	99

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 Quant Title : SW846 8260
 QLast Update : Thu Nov 29 01:04:49 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	6.41	83	109130	19.641	ug/l	98
40) Benzene	5.39	78	279438	20.020	ug/l	98
41) Methacrylonitrile	4.54	41	75084	21.052	ug/l	99
42) 1,2-Dichloroethane	5.40	62	100933	20.073	ug/l	99
43) Isopropyl Acetate	5.55	43	208900	20.527	ug/l	99
44) Trichloroethene	6.19	130	58431	19.530	ug/l	96
45) 1,2-Dichloropropane	6.43	63	81845	20.024	ug/l	96
46) Dibromomethane	6.56	93	46817	19.941	ug/l	99
47) Bromodichloromethane	6.76	83	88159	18.878	ug/l	97
48) Methyl methacrylate	6.62	41	103572	19.537	ug/l	99
49) 1,4-Dioxane	6.61	88	36602	432.195	ug/l	95
51) 4-Methyl-2-Pentanone	7.46	43	659149	101.408	ug/l	99
52) Toluene	7.64	92	159081	19.792	ug/l	100
53) t-1,3-Dichloropropene	7.88	75	107155	19.189	ug/l	98
54) cis-1,3-Dichloropropene	7.27	75	113740	19.013	ug/l	98
55) 1,1,2-Trichloroethane	8.07	97	66060	19.748	ug/l	98
56) Ethyl methacrylate	8.02	69	111389	19.574	ug/l	99
57) 1,3-Dichloropropane	8.24	76	120663	19.670	ug/l	99
58) 2-Chloroethyl Vinyl ether	7.12	63	289933	94.895	ug/l	100
59) 2-Hexanone	8.36	43	501284	99.563	ug/l	100
60) Dibromochloromethane	8.48	129	60932	19.152	ug/l	99
61) 1,2-Dibromoethane	8.58	107	68402	19.965	ug/l	97
64) Tetrachloroethene	8.22	164	51735	20.263	ug/l	98
65) Chlorobenzene	9.12	112	162352	20.144	ug/l	99
66) 1,1,1,2-Tetrachloroethane	9.21	131	53835	19.487	ug/l	98
67) Ethyl Benzene	9.25	91	302618	19.936	ug/l	100
68) m/p-Xylenes	9.37	106	217729	39.851	ug/l	98
69) o-Xylene	9.78	106	106739	19.653	ug/l	97
70) Styrene	9.79	104	174707	19.945	ug/l	99
71) Bromoform	9.96	173	44127	19.004	ug/l #	99
73) Isopropylbenzene	10.16	105	286452	21.076	ug/l	100
74) N-amyl acetate	10.01	43	176438	20.720	ug/l	99
75) 1,1,2,2-Tetrachloroethane	10.46	83	119095	21.309	ug/l	100
76) 1,2,3-Trichloropropane	10.49	75	140027	28.896	ug/l	80
77) Bromobenzene	10.45	156	64624	20.179	ug/l	99
78) n-propylbenzene	10.58	91	349168	20.825	ug/l	99
79) 2-Chlorotoluene	10.66	91	204700	20.710	ug/l	99
80) 1,3,5-Trimethylbenzene	10.77	105	239778	20.935	ug/l	100
81) trans-1,4-Dichloro-2-buten	10.49	75	140027	76.703	ug/l #	100
82) 4-Chlorotoluene	10.77	91	232346	20.403	ug/l	99
83) tert-Butylbenzene	11.10	119	228814	21.431	ug/l	99
84) 1,2,4-Trimethylbenzene	11.15	105	242069	20.867	ug/l	98
85) sec-Butylbenzene	11.32	105	288924	20.835	ug/l	99
86) p-Isopropyltoluene	11.48	119	232891	20.425	ug/l	98
87) 1,3-Dichlorobenzene	11.41	146	118330	20.259	ug/l	99
88) 1,4-Dichlorobenzene	11.51	146	115787	19.697	ug/l	97
89) n-Butylbenzene	11.89	91	225337	20.024	ug/l	99
90) Hexachloroethane	12.14	117	32666	18.350	ug/l	99
91) 1,2-Dichlorobenzene	11.88	146	118637	20.358	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	12.66	75	26306	21.160	ug/l	94

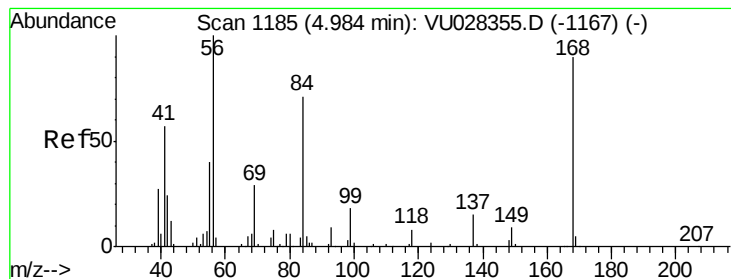
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA U\DATA\VU112818\
Data File : VU028365.D
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Instrument :
MSVOA_U
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Quant Time: Nov 29 06:15:59 2018
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_U\METHOD\82U112818W.M
Quant Title : SW846 8260
QLast Update : Thu Nov 29 01:04:49 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.50	180	70822	18.566	ug/l	98
94) Hexachlorobutadiene	13.69	225	35873	19.916	ug/l	97
95) Naphthalene	13.74	128	265977	19.894	ug/l	99
96) 1,2,3-Trichlorobenzene	13.99	180	75331	19.526	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 4.98 min Scan# 1185

Delta R.T. -0.00 min

Lab File: VU028365.D

Acq: 28 Nov 2018 14:55

Instrument :

MSVOA_U

ClientSampleId :

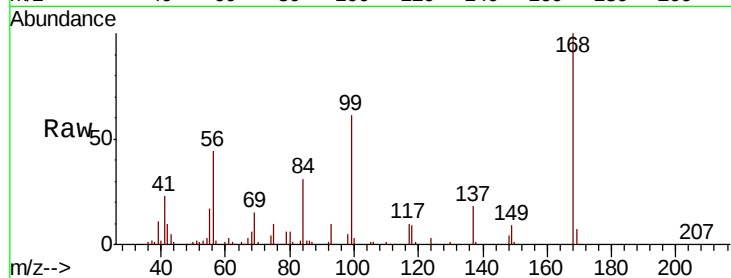
VU1128MBS01

Tot Ion:168 Resp: 238248

Ion Ratio Lower Upper

168 100

99 60.5 49.6 74.4



Abundance Ion 167.90 (167.60 to 168.60): VU028365.D (-1167) (-)

Ion 98.90 (98.60 to 99.60): VU028365.D (-1167) (-)

4.98

120000

100000

80000

60000

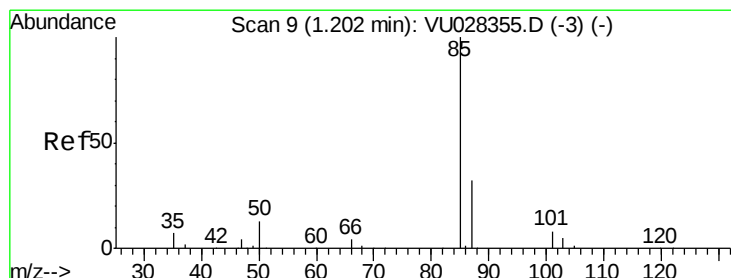
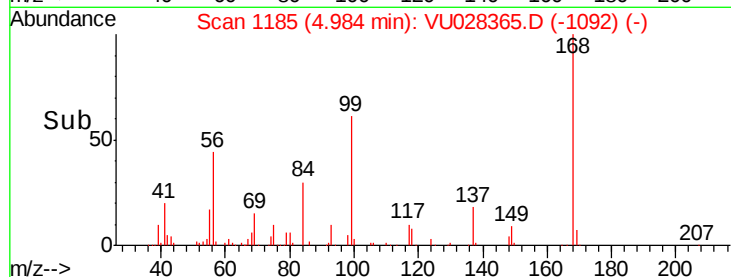
40000

20000

0

4.90 4.95 5.00 5.05

Time-->



#2

Dichlorodifluoromethane

Concen: 19.807 ug/l

RT: 1.21 min Scan# 10

Delta R.T. 0.00 min

Lab File: VU028365.D

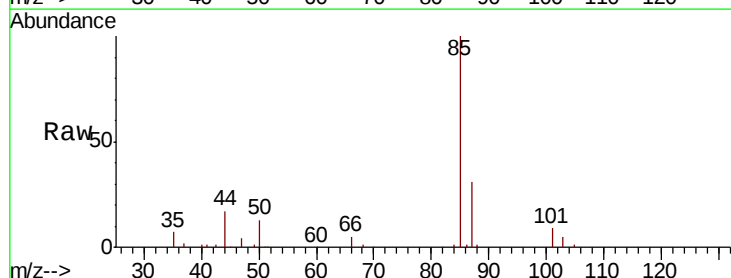
Acq: 28 Nov 2018 14:55

Tgt Ion: 85 Resp: 63303

Ion Ratio Lower Upper

85 100

87 31.2 15.9 47.7



Abundance Ion 84.90 (84.60 to 85.60): VU028365.D (-1) (-)

Ion 86.90 (86.60 to 87.60): VU028365.D (-1) (-)

1.21

60000

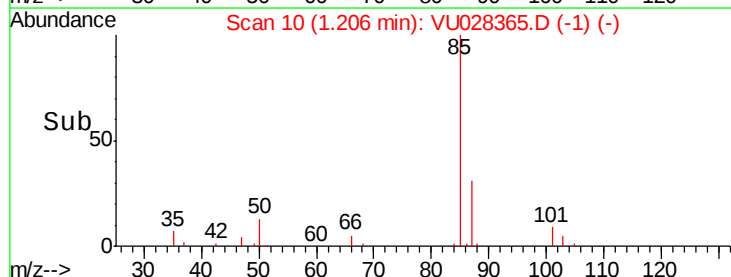
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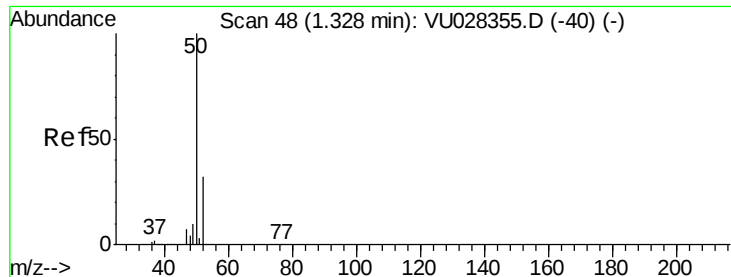
20000

0

1.15 1.20 1.25

Time-->





#3

Chloromethane

Concen: 19.672 ug/l

RT: 1.33 min Scan# 48

Delta R.T. -0.00 min

Lab File: VU028365.D

Acq: 28 Nov 2018 14:55

Instrument :

MSVOA_U

ClientSampleId :

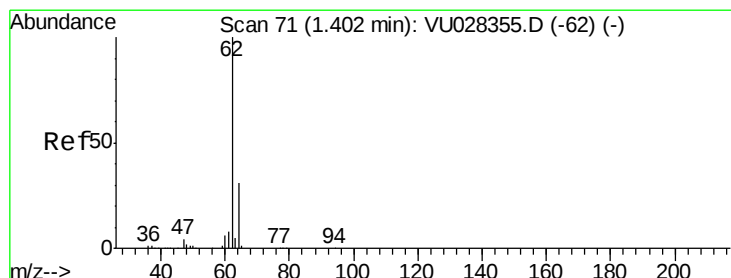
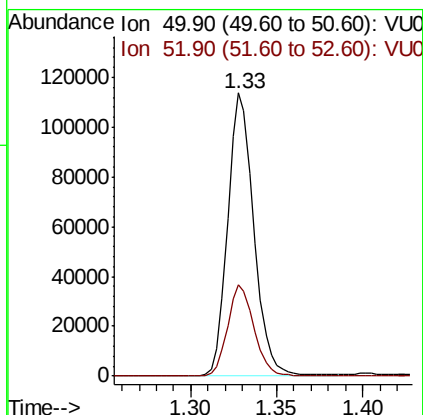
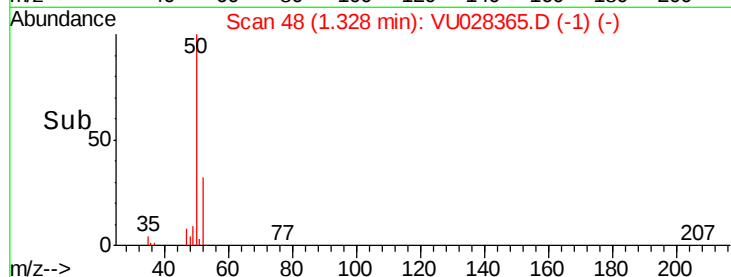
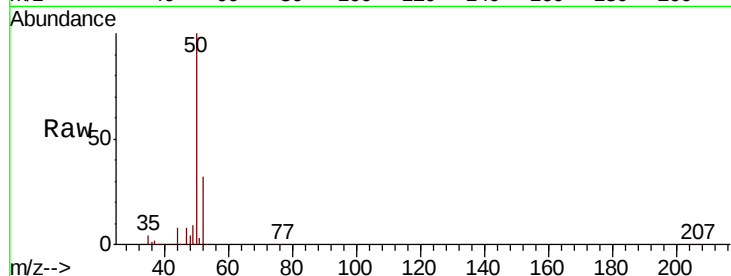
VU1128MBS01

Tot Ion: 50 Resp: 121866

Ion Ratio Lower Upper

50 100

52 32.1 25.4 38.2



#4

Vinyl Chloride

Concen: 19.817 ug/l

RT: 1.40 min Scan# 71

Delta R.T. -0.00 min

Lab File: VU028365.D

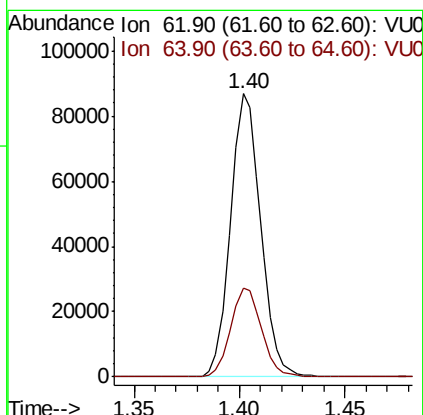
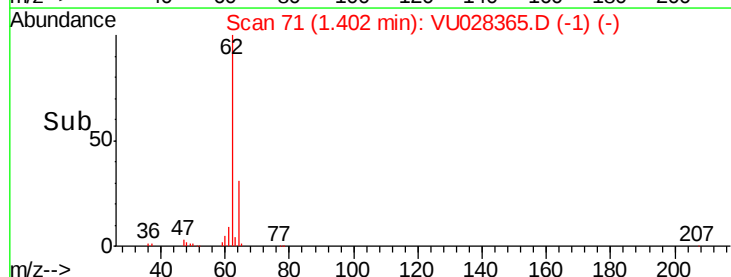
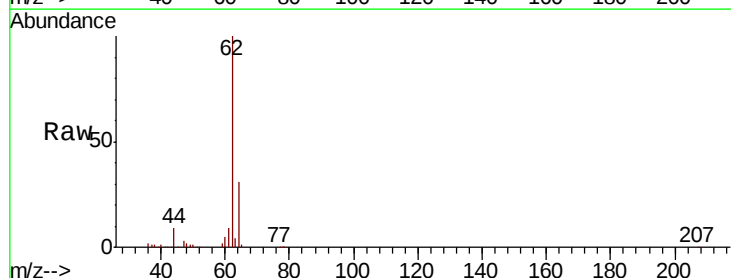
Acq: 28 Nov 2018 14:55

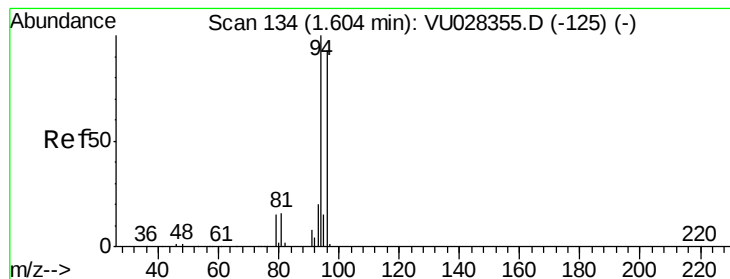
Tgt Ion: 62 Resp: 85893

Ion Ratio Lower Upper

62 100

64 31.4 25.0 37.4





#5

Bromomethane

Concen: 17.688 ug/l

RT: 1.61 min Scan# 137

Delta R.T. 0.01 min

Lab File: VU028365.D

Acq: 28 Nov 2018 14:55

Instrument :

MSVOA_U

ClientSampleId :

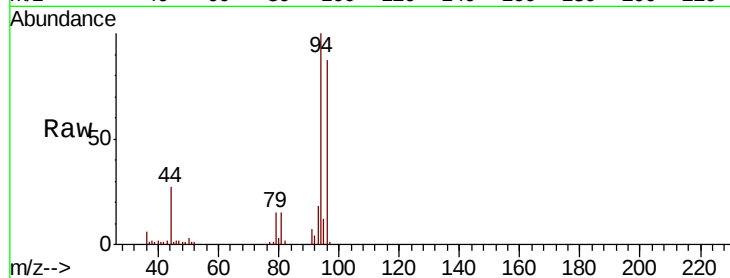
VU1128MBS01

Tot Ion: 94 Resp: 29652

Ion Ratio Lower Upper

94 100

96 87.2 74.6 112.0



Abundance Ion 93.90 (93.60 to 94.60): VU028365.D (-137) (-)

Ion 95.90 (95.60 to 96.60): VU028365.D (-137) (-)

1.61

25000

20000

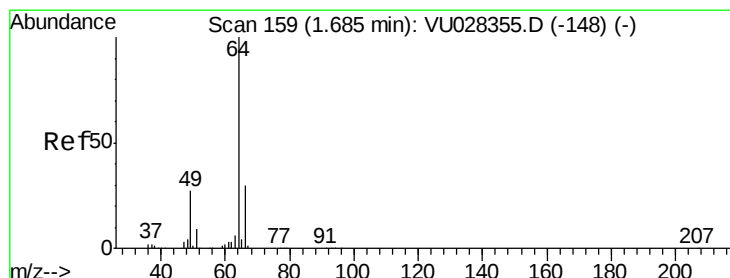
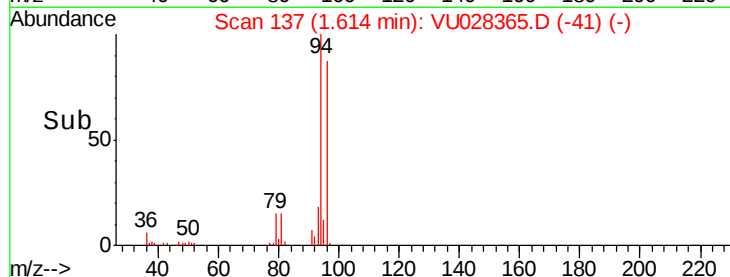
15000

10000

5000

0

Time-->



#6

Chloroethane

Concen: 20.444 ug/l

RT: 1.69 min Scan# 161

Delta R.T. 0.01 min

Lab File: VU028365.D

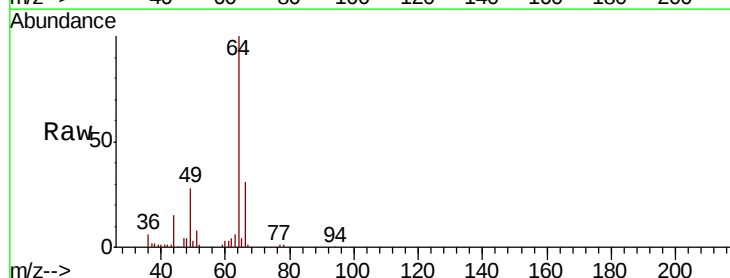
Acq: 28 Nov 2018 14:55

Tgt Ion: 64 Resp: 50989

Ion Ratio Lower Upper

64 100

66 31.0 23.6 35.4



Abundance Ion 63.90 (63.60 to 64.60): VU028365.D (-161) (-)

Ion 65.90 (65.60 to 66.60): VU028365.D (-161) (-)

1.69

40000

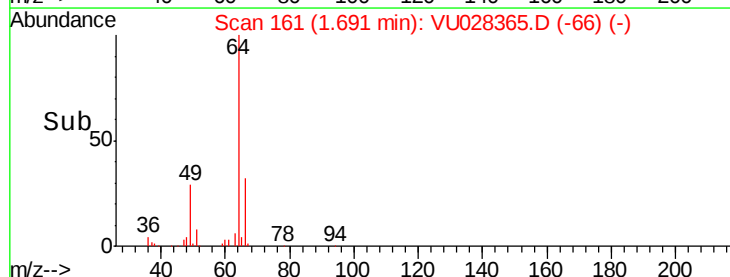
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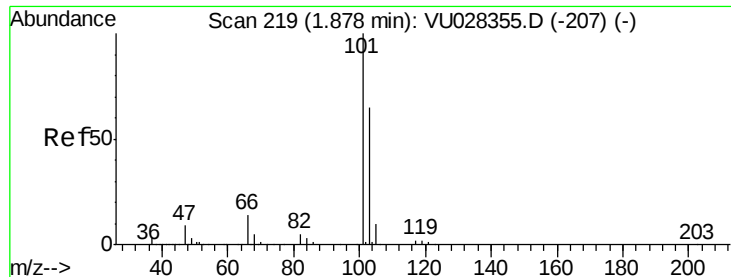
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10000

0

Time-->



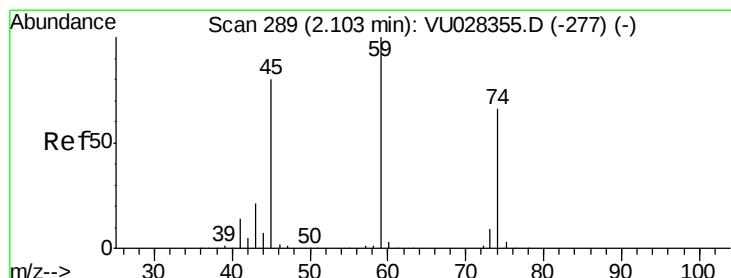
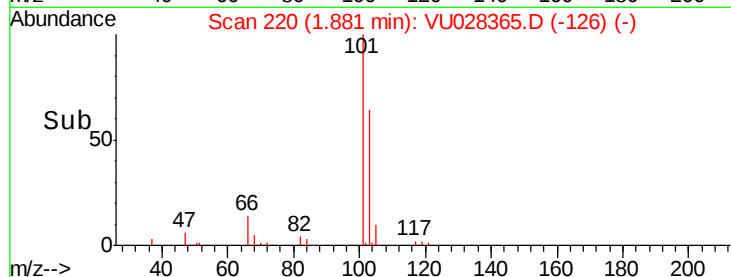
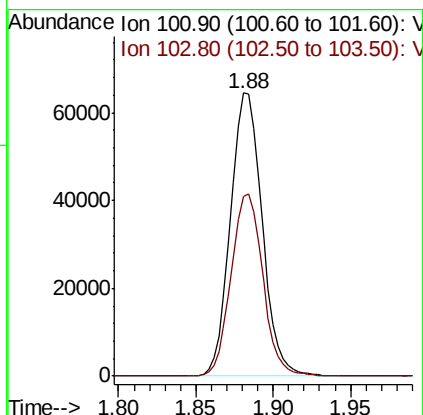
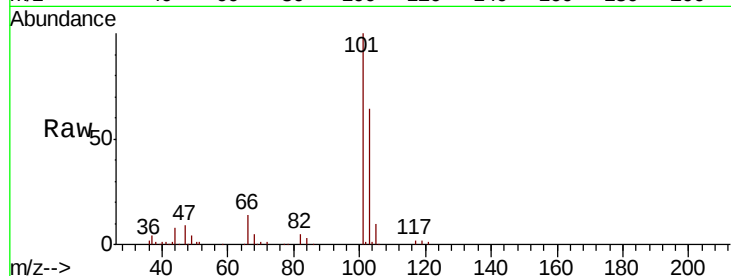


#7

Trichlorofluoromethane
Concen: 20.350 ug/l
RT: 1.88 min Scan# 220
Delta R.T. 0.00 min
Lab File: VU028365.D
Acq: 28 Nov 2018 14:55

Instrument :
MSVOA_U
ClientSampleId :
VU1128MBS01

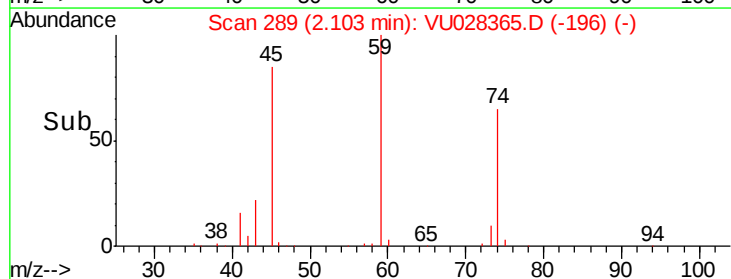
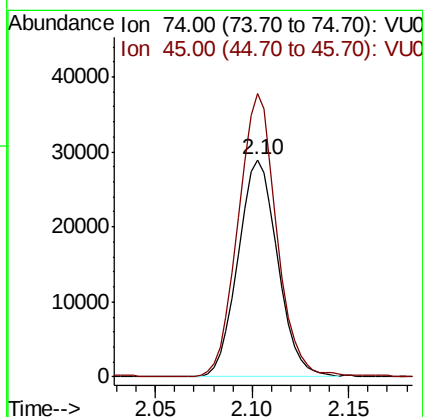
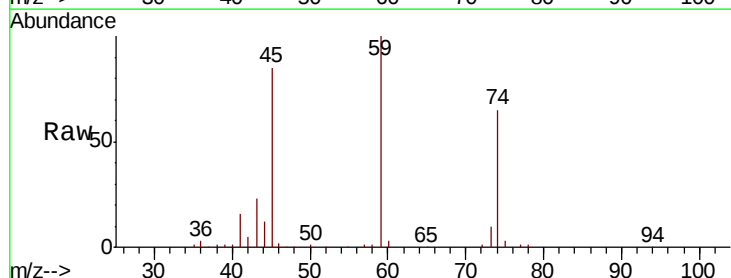
Tot Ion:101 Resp: 91620
Ion Ratio Lower Upper
101 100
103 63.6 51.6 77.4

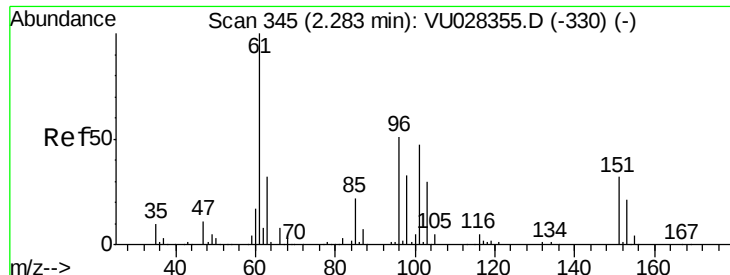


#8

Diethyl Ether
Concen: 19.685 ug/l
RT: 2.10 min Scan# 289
Delta R.T. -0.00 min
Lab File: VU028365.D
Acq: 28 Nov 2018 14:55

Tgt Ion: 74 Resp: 41200
Ion Ratio Lower Upper
74 100
45 127.9 63.0 189.1





#9

1,1,2-Trichlorotrifluoroethane

Concen: 19.827 ug/l

RT: 2.28 min Scan# 345

Delta R.T. -0.00 min

Lab File: VU028365.D

Acq: 28 Nov 2018 14:55

Instrument :

MSVOA_U

ClientSampleId :

VU1128MBS01

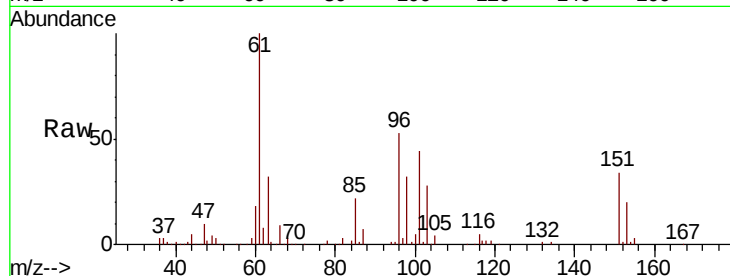
Tot Ion:101 Resp: 52001

Ion Ratio Lower Upper

101 100

85 48.6 37.2 55.8

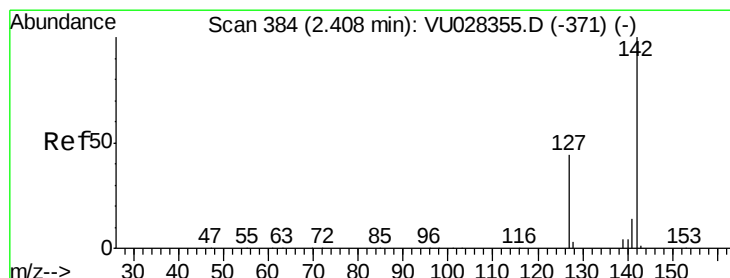
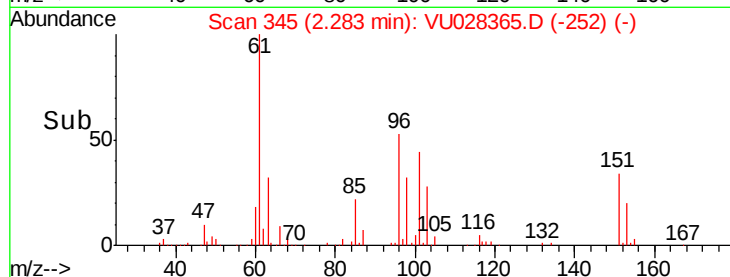
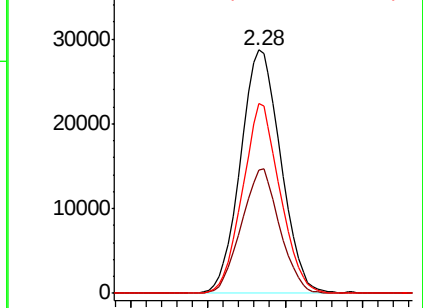
151 72.9 55.4 83.0



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: 22.115 ug/l

RT: 2.41 min Scan# 384

Delta R.T. -0.00 min

Lab File: VU028365.D

Acq: 28 Nov 2018 14:55

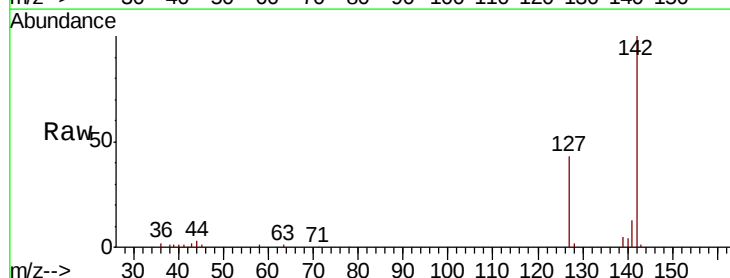
Tgt Ion:142 Resp: 54695

Ion Ratio Lower Upper

142 100

127 44.1 35.0 52.6

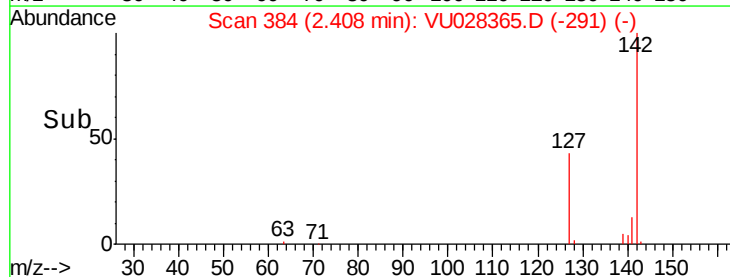
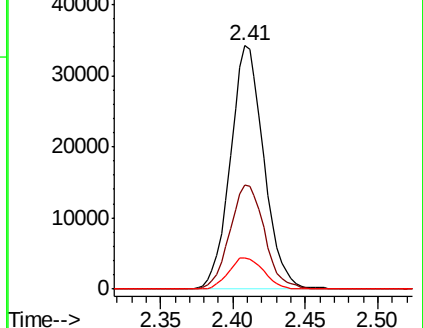
141 13.4 11.2 16.8

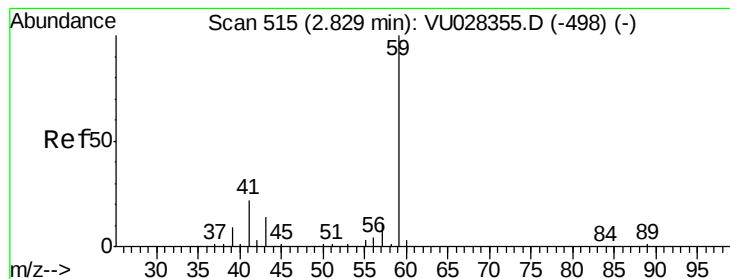


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



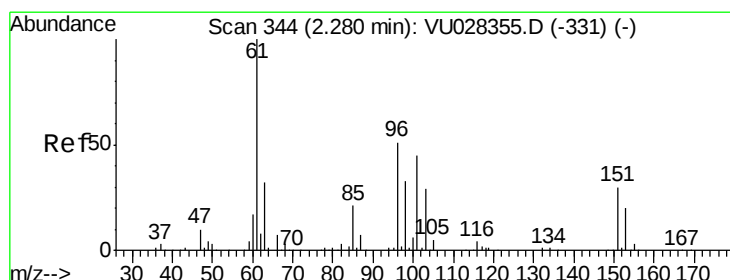
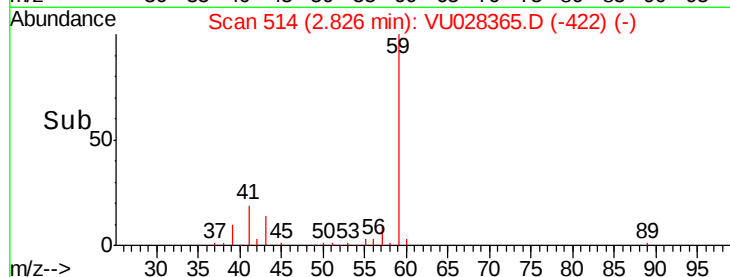
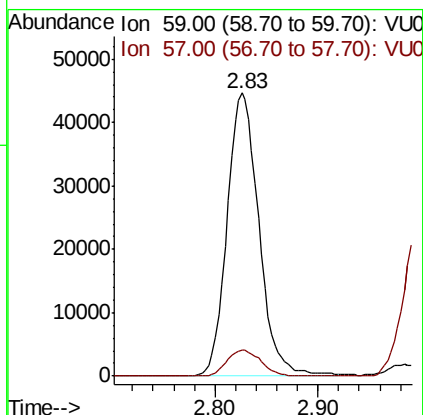
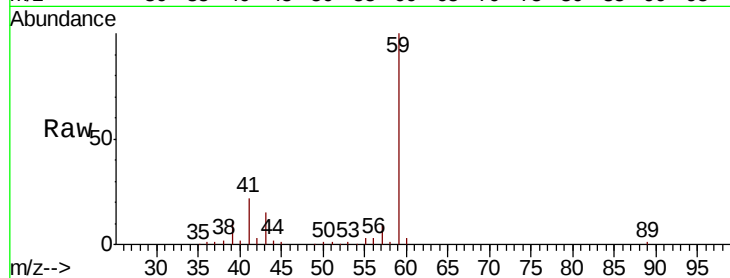


#11

Tert butyl alcohol
 Concen: 106.180 ug/l
 RT: 2.83 min Scan# 514
 Delta R.T. -0.00 min
 Lab File: VU028365.D
 Acq: 28 Nov 2018 14:55

Instrument :
 MSVOA_U
 ClientSampleId :
 VU1128MBS01

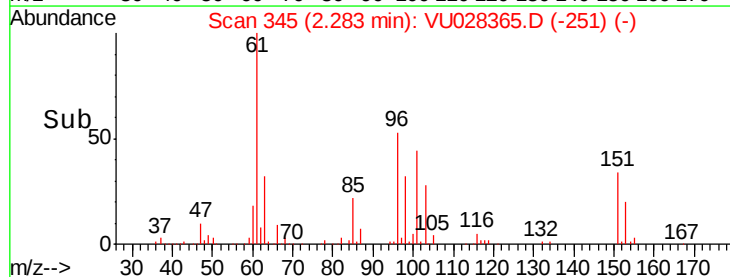
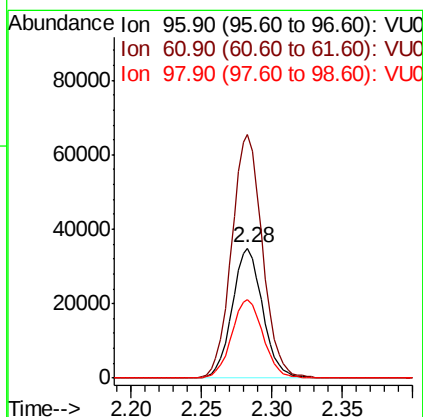
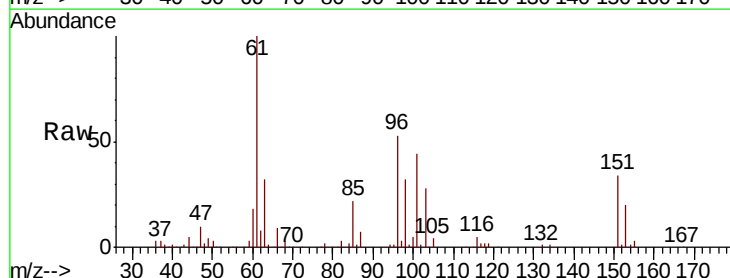
Tot Ion: 59 Resp: 96048
 Ion Ratio Lower Upper
 59 100
 57 9.8 8.3 12.5

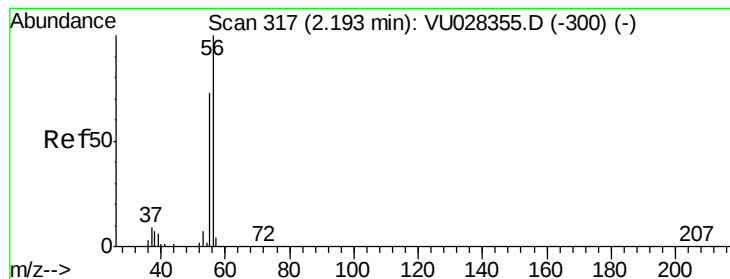


#12

1,1-Dichloroethene
 Concen: 20.721 ug/l
 RT: 2.28 min Scan# 345
 Delta R.T. 0.00 min
 Lab File: VU028365.D
 Acq: 28 Nov 2018 14:55

Tgt Ion: 96 Resp: 52740
 Ion Ratio Lower Upper
 96 100
 61 187.7 158.1 237.1
 98 60.0 51.4 77.2





#13

Acrolein

Concen: 92.345 ug/l

RT: 2.19 min Scan# 317

Delta R.T. -0.00 min

Lab File: VU028365.D

Acq: 28 Nov 2018 14:55

Instrument :

MSVOA_U

ClientSampleId :

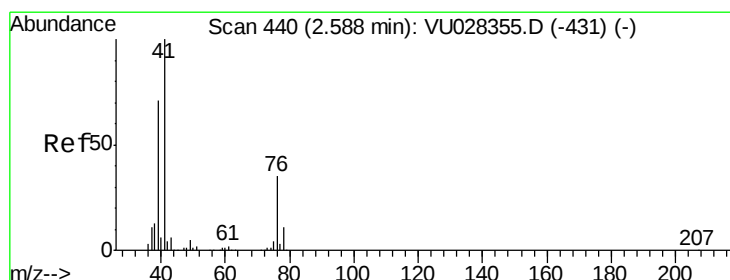
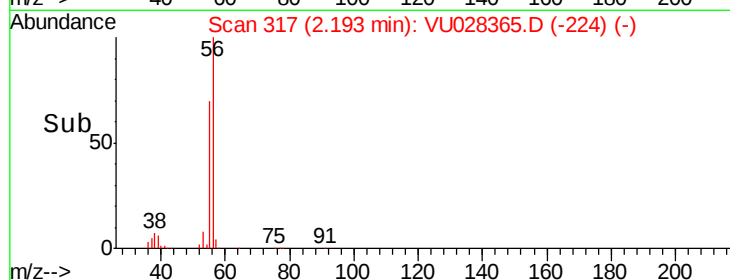
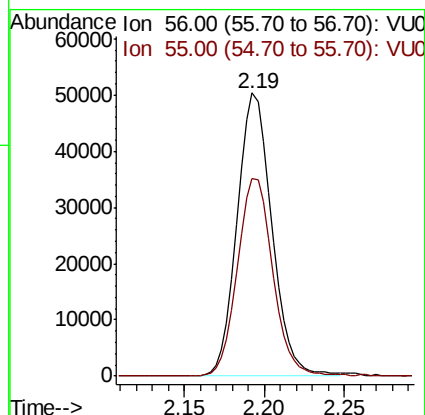
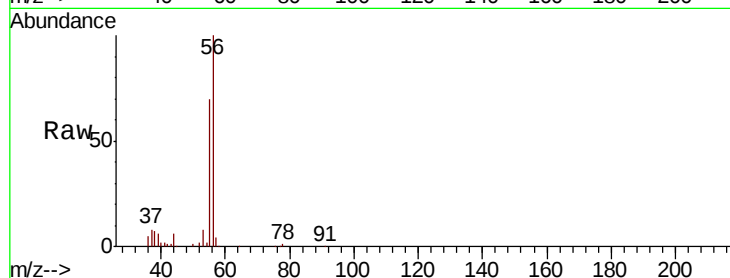
VU1128MBS01

Tot Ion: 56 Resp: 74262

Ion Ratio Lower Upper

56 100

55 71.4 56.6 85.0



#14

Allyl chloride

Concen: 22.096 ug/l

RT: 2.59 min Scan# 441

Delta R.T. 0.00 min

Lab File: VU028365.D

Acq: 28 Nov 2018 14:55

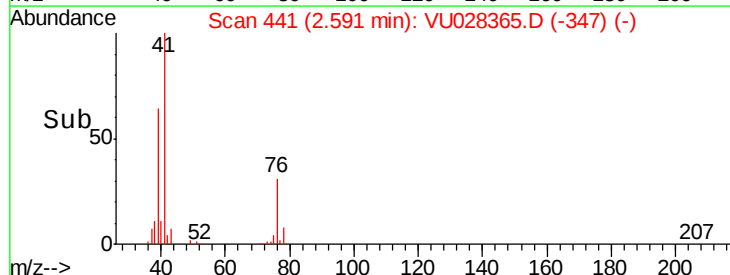
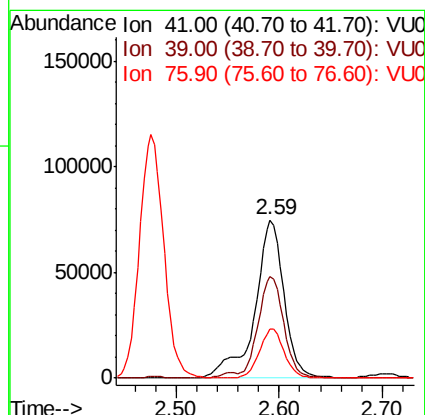
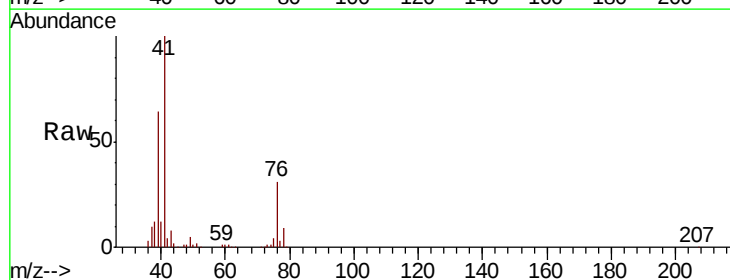
Tgt Ion: 41 Resp: 146938

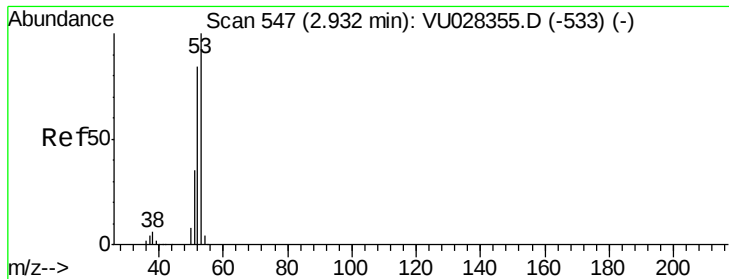
Ion Ratio Lower Upper

41 100

39 55.9 51.6 77.4

76 25.9 24.4 36.6





#15

Acrylonitrile

Concen: 104.464 ug/l

RT: 2.94 min Scan# 548

Delta R.T. 0.00 min

Lab File: VU028365.D

Acq: 28 Nov 2018 14:55

Instrument :

MSVOA_U

ClientSampleId :

VU1128MBS01

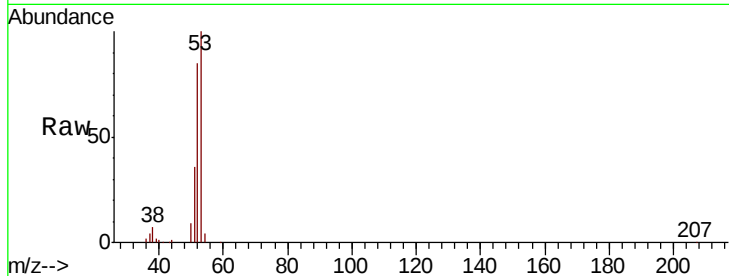
Tot Ion: 53 Resp: 249960

Ion Ratio Lower Upper

53 100

52 83.1 65.7 98.5

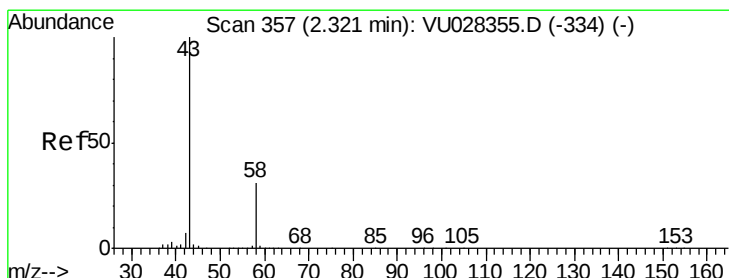
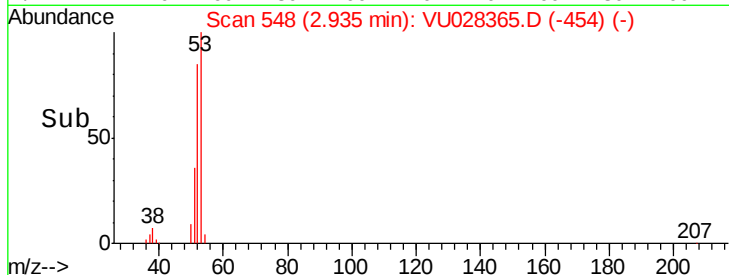
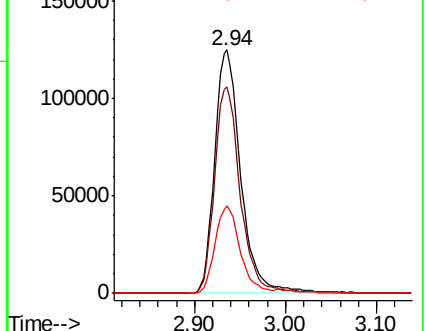
51 34.3 27.8 41.6



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: 94.462 ug/l

RT: 2.32 min Scan# 357

Delta R.T. -0.00 min

Lab File: VU028365.D

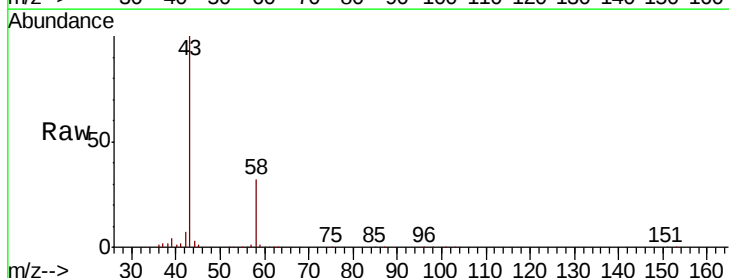
Acq: 28 Nov 2018 14:55

Tgt Ion: 43 Resp: 230083

Ion Ratio Lower Upper

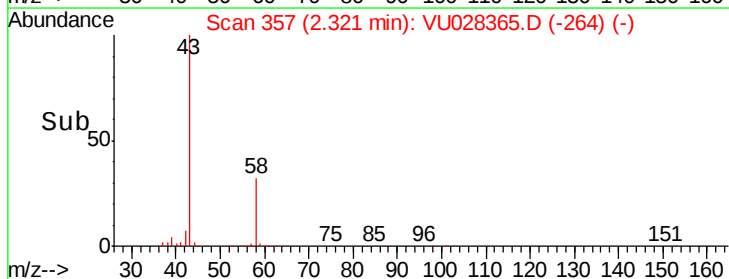
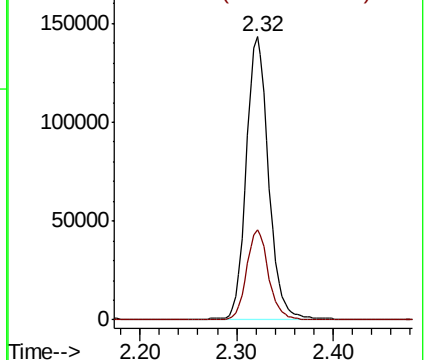
43 100

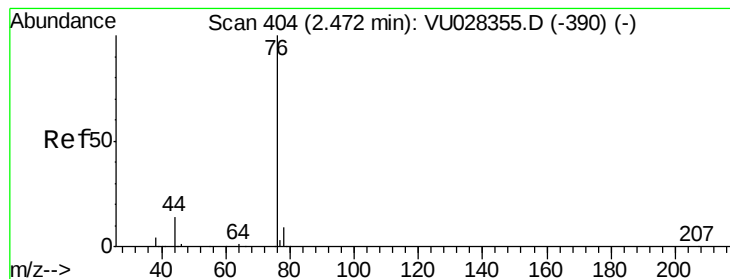
58 31.6 24.4 36.6



Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 58.00 (57.70 to 58.70): VU0





#17

Carbon Disulfide

Concen: 19.239 ug/l

RT: 2.48 min Scan# 405

Delta R.T. 0.00 min

Lab File: VU028365.D

Acq: 28 Nov 2018 14:55

Instrument :

MSVOA_U

ClientSampleId :

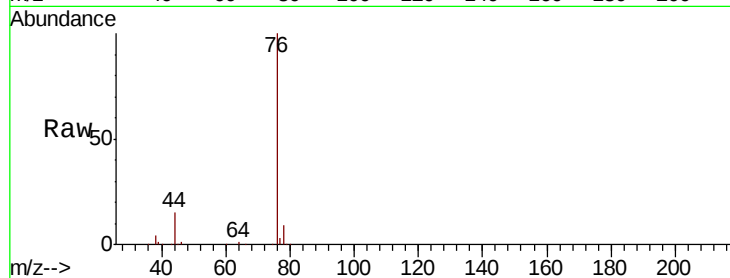
VU1128MBS01

Tot Ion: 76 Resp: 187952

Ion Ratio Lower Upper

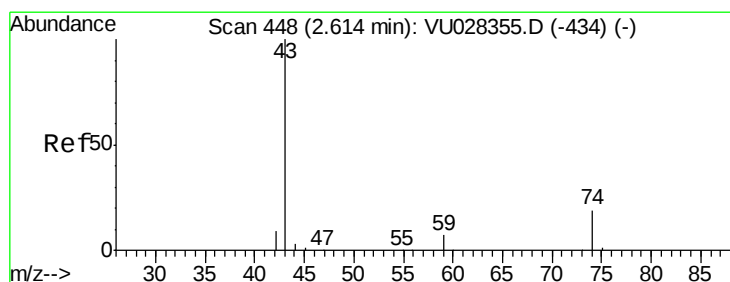
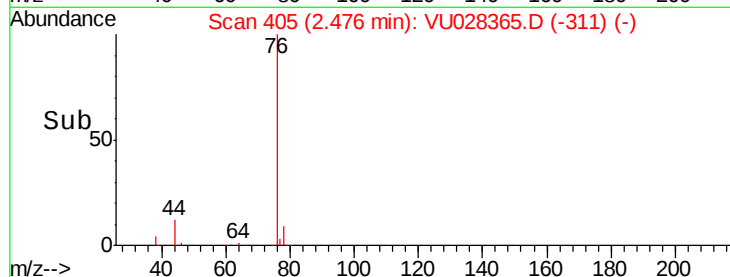
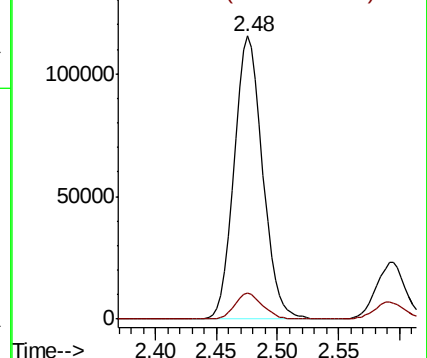
76 100

78 9.4 7.4 11.2



Abundance Ion 75.90 (75.60 to 76.60): VU0

Ion 77.90 (77.60 to 78.60): VU0



#18

Methyl Acetate

Concen: 20.663 ug/l

RT: 2.61 min Scan# 448

Delta R.T. -0.00 min

Lab File: VU028365.D

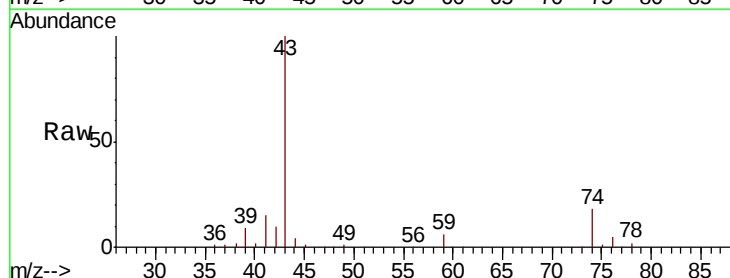
Acq: 28 Nov 2018 14:55

Tgt Ion: 43 Resp: 140125

Ion Ratio Lower Upper

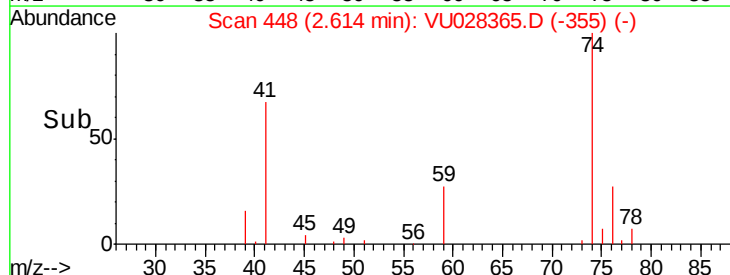
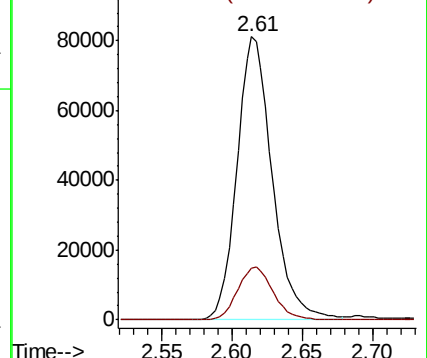
43 100

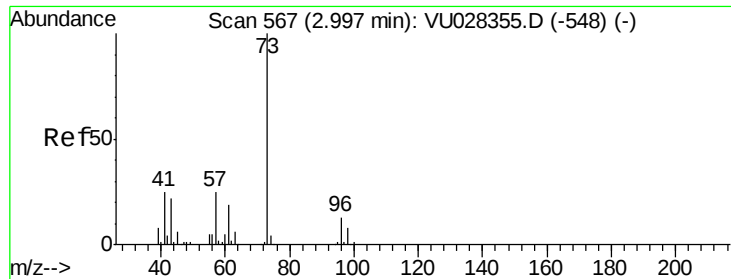
74 19.1 15.3 22.9



Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 74.00 (73.70 to 74.70): VU0



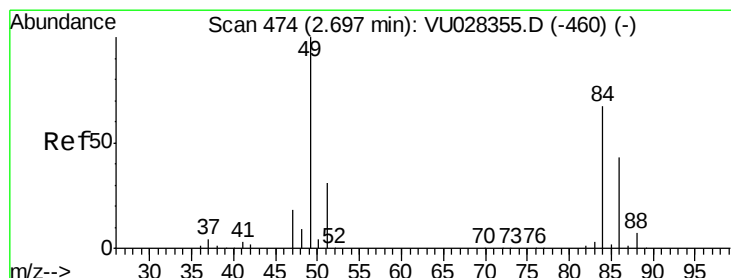
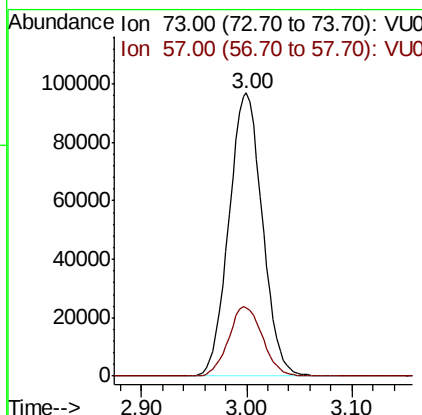
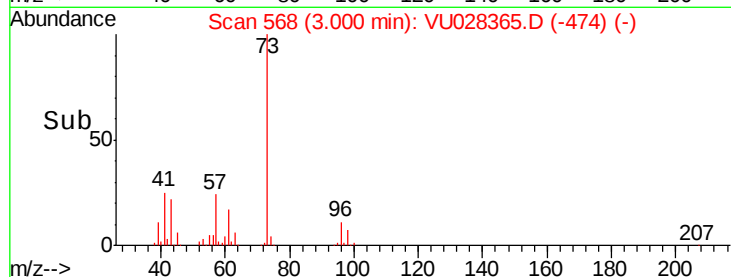
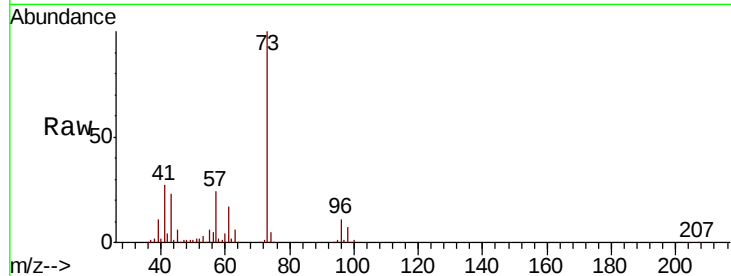


#19

Methyl tert-butyl Ether
 Concen: 20.407 ug/l
 RT: 3.00 min Scan# 568
 Delta R.T. 0.00 min
 Lab File: VU028365.D
 Acq: 28 Nov 2018 14:55

Instrument :
 MSVOA_U
 ClientSampled :
 VU1128MBS01

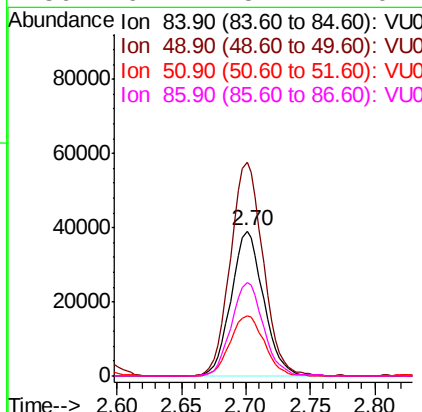
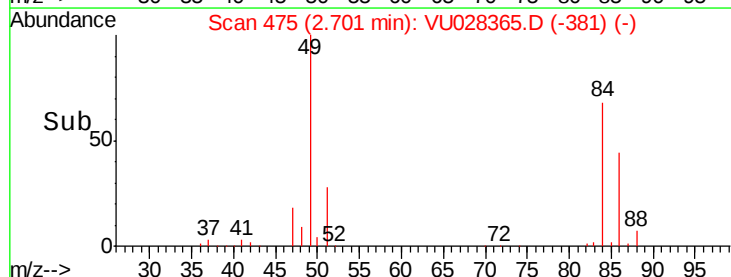
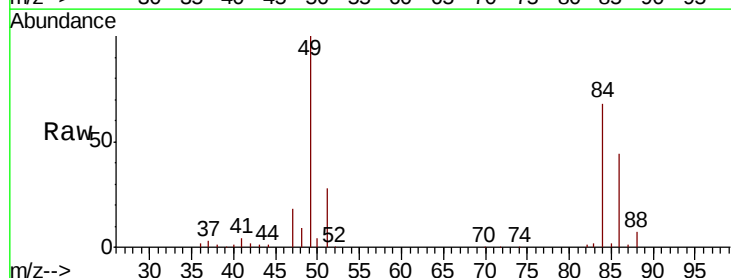
Tot Ion: 73 Resp: 212938
 Ion Ratio Lower Upper
 73 100
 57 24.3 20.1 30.1

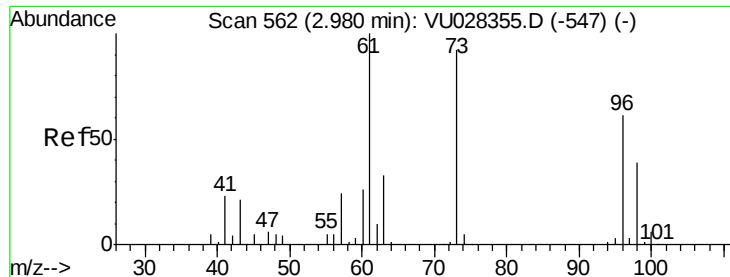


#20

Methylene Chloride
 Concen: 19.855 ug/l
 RT: 2.70 min Scan# 475
 Delta R.T. 0.00 min
 Lab File: VU028365.D
 Acq: 28 Nov 2018 14:55

Tgt Ion: 84 Resp: 68364
 Ion Ratio Lower Upper
 84 100
 49 147.0 120.0 180.0
 51 41.5 36.9 55.3
 86 64.2 51.1 76.7





#21

trans-1,2-Dichloroethene

Concen: 20.226 ug/l

RT: 2.98 min Scan# 562

Delta R.T. -0.00 min

Lab File: VU028365.D

Acq: 28 Nov 2018 14:55

Instrument :

MSVOA_U

ClientSampleId :

VU1128MBS01

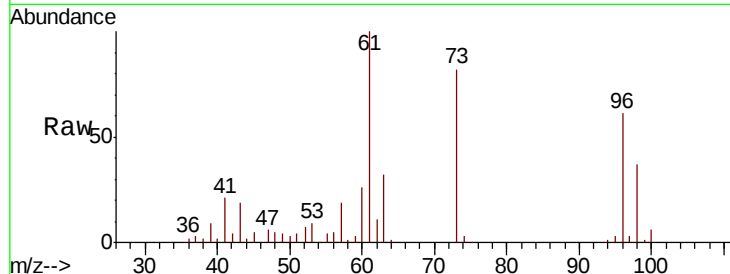
Tot Ion: 96 Resp: 59703

Ion Ratio Lower Upper

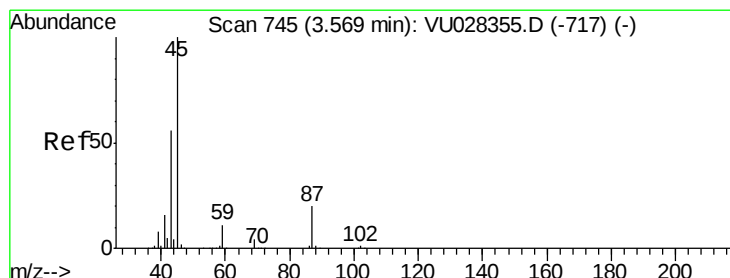
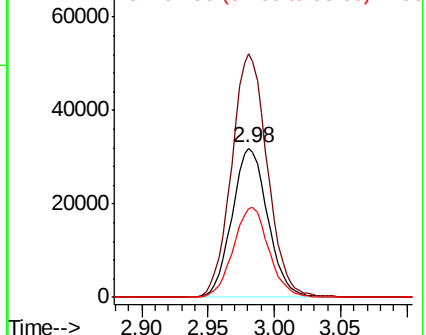
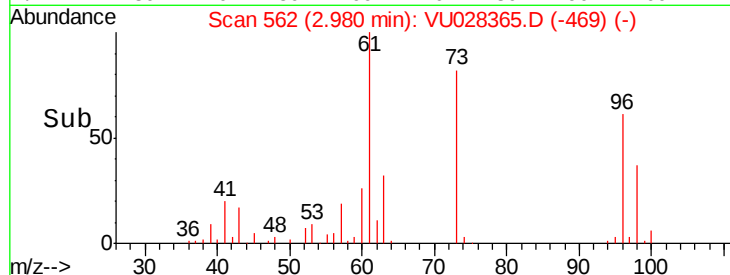
96 100

61 163.3 131.1 196.7

98 59.7 51.7 77.5



Abundance Ion 95.90 (95.60 to 96.60): VU028365.D (-469) (-)



#22

Diisopropyl ether

Concen: 20.501 ug/l

RT: 3.57 min Scan# 746

Delta R.T. 0.00 min

Lab File: VU028365.D

Acq: 28 Nov 2018 14:55

Tgt Ion: 45 Resp: 268404

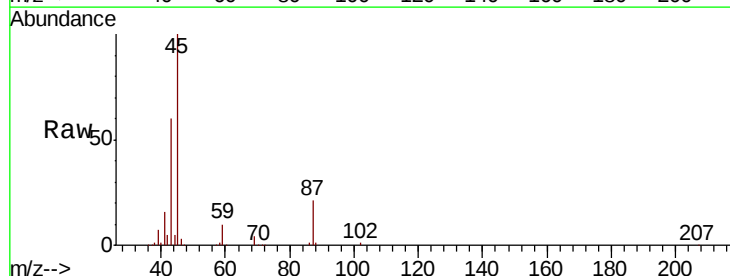
Ion Ratio Lower Upper

45 100

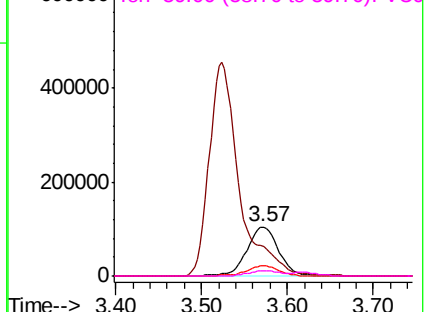
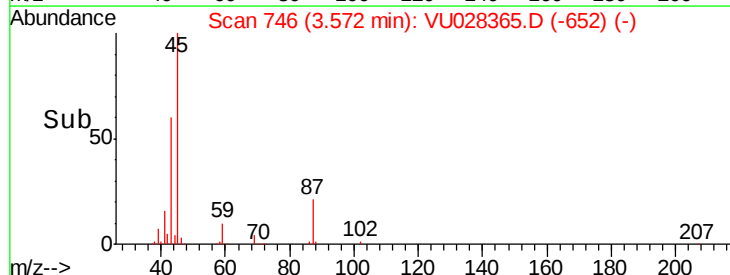
43 58.4 44.8 67.2

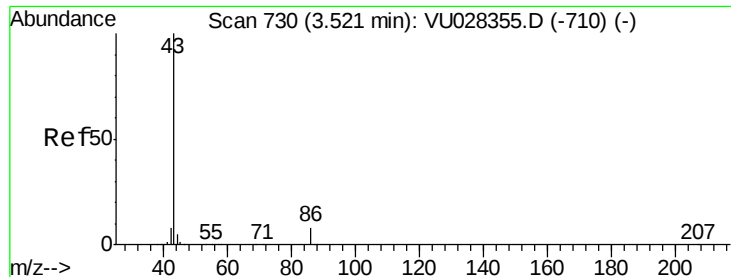
87 21.3 16.3 24.5

59 10.4 8.6 12.8



Abundance Ion 45.00 (44.70 to 45.70): VU028365.D (-652) (-)





#23

Vinyl Acetate

Concen: 102.074 ug/l

RT: 3.52 min Scan# 731

Delta R.T. 0.00 min

Lab File: VU028365.D

Acq: 28 Nov 2018 14:55

Instrument :

MSVOA_U

ClientSampleId :

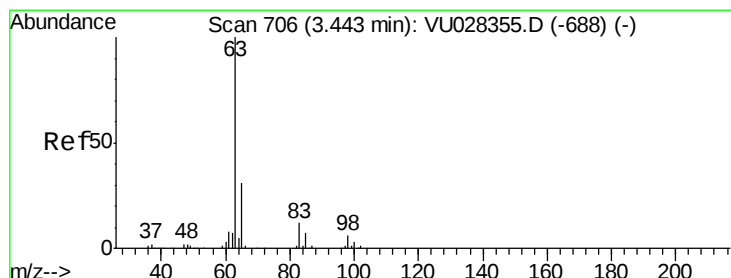
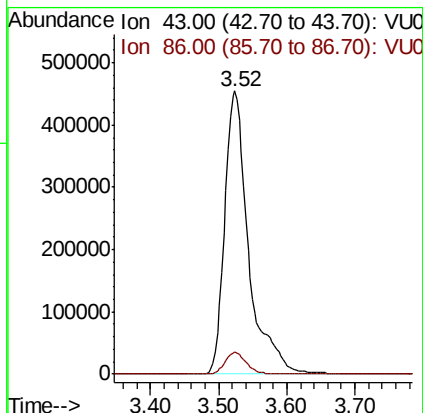
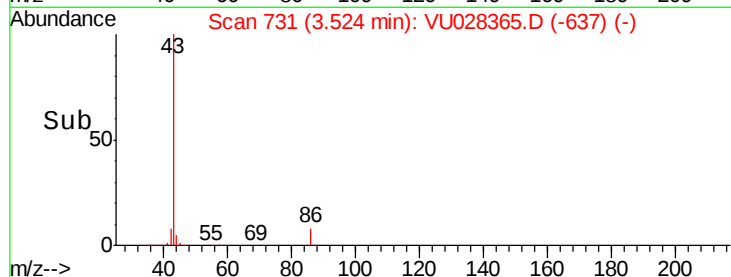
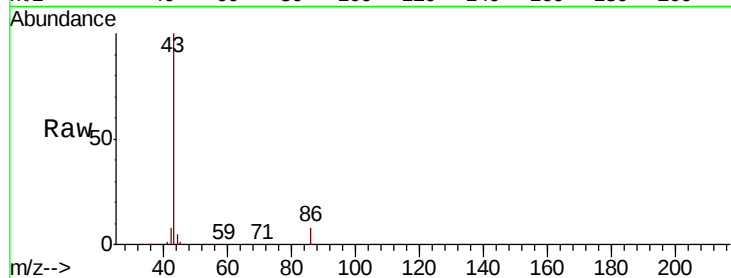
VU1128MBS01

Tot Ion: 43 Resp: 1110805

Ion Ratio Lower Upper

43 100

86 7.7 6.5 9.7



#24

1,1-Dichloroethane

Concen: 20.540 ug/l

RT: 3.45 min Scan# 707

Delta R.T. 0.00 min

Lab File: VU028365.D

Acq: 28 Nov 2018 14:55

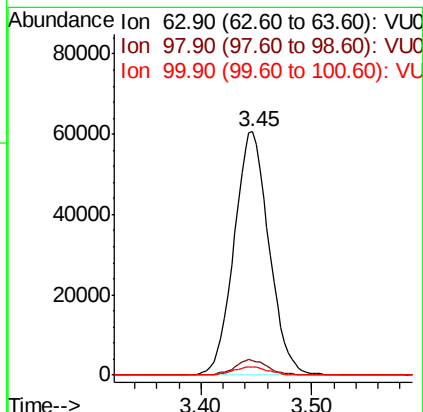
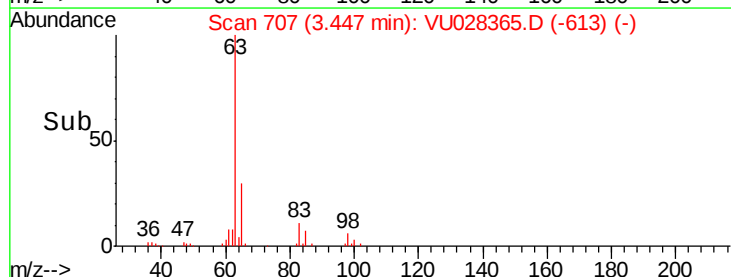
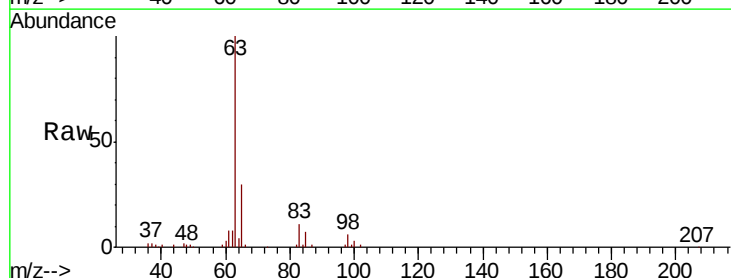
Tgt Ion: 63 Resp: 132586

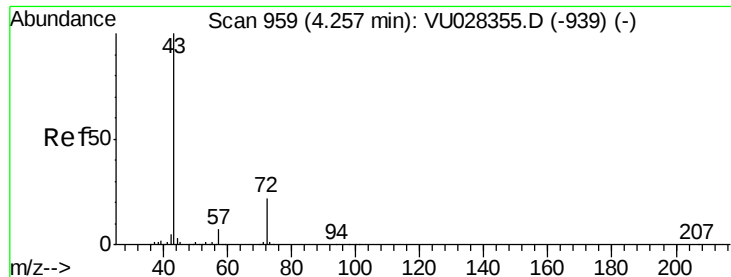
Ion Ratio Lower Upper

63 100

98 6.1 2.9 8.6

100 3.2 1.7 5.1





#25

2-Butanone

Concen: 102.834 ug/l

RT: 4.26 min Scan# 960

Delta R.T. 0.00 min

Lab File: VU028365.D

Acq: 28 Nov 2018 14:55

Instrument :

MSVOA_U

ClientSampleId :

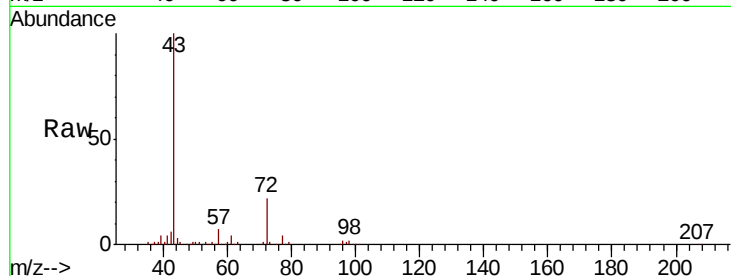
VU1128MBS01

Tot Ion: 43 Resp: 358970

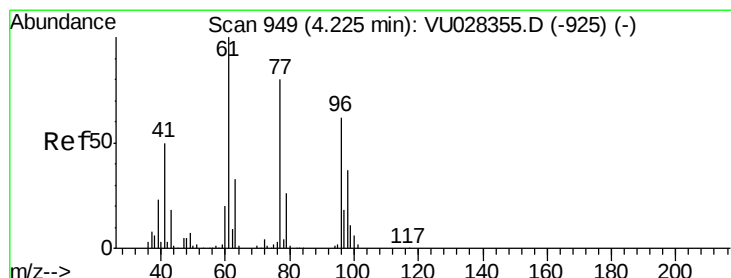
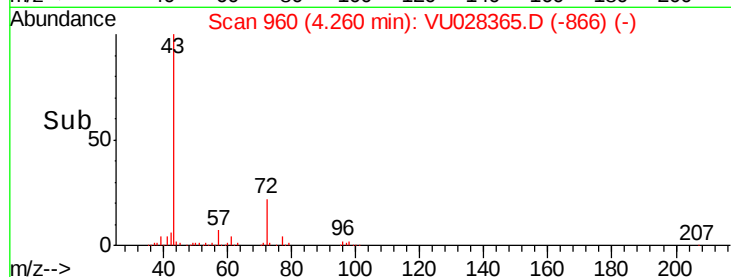
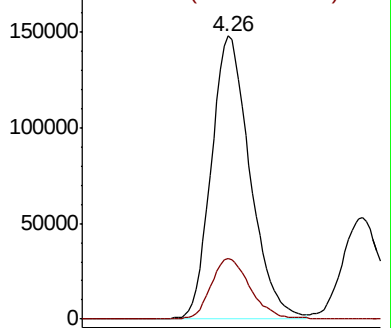
Ion Ratio Lower Upper

43 100

72 21.5 17.7 26.5



Abundance Ion 43.00 (42.70 to 43.70): VU028365.D (-960) (-)



#26

2,2-Dichloropropane

Concen: 19.878 ug/l

RT: 4.22 min Scan# 949

Delta R.T. -0.00 min

Lab File: VU028365.D

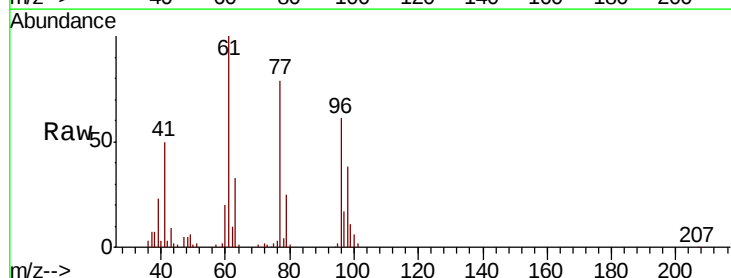
Acq: 28 Nov 2018 14:55

Tgt Ion: 77 Resp: 101901

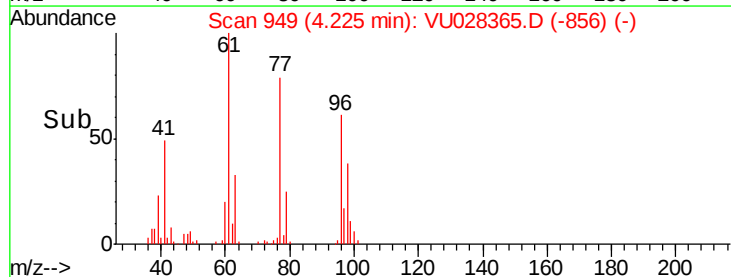
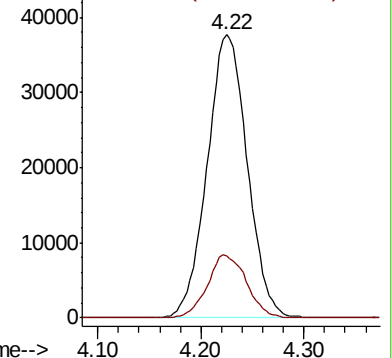
Ion Ratio Lower Upper

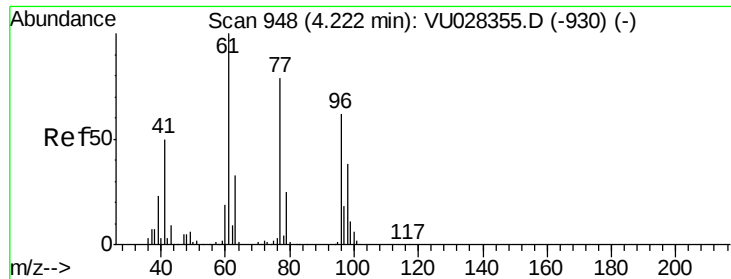
77 100

97 21.6 10.7 32.1



Abundance Ion 76.90 (76.60 to 77.60): VU028365.D (-949) (-)

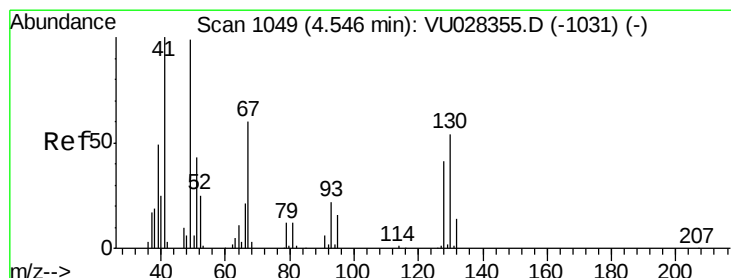
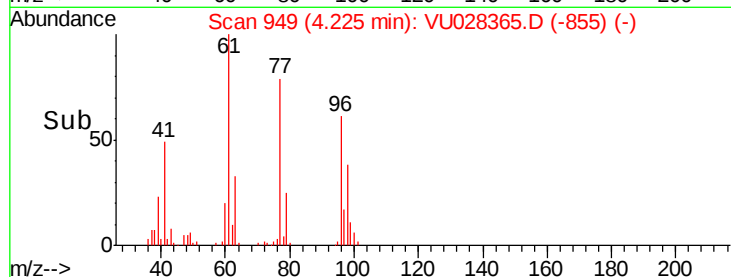
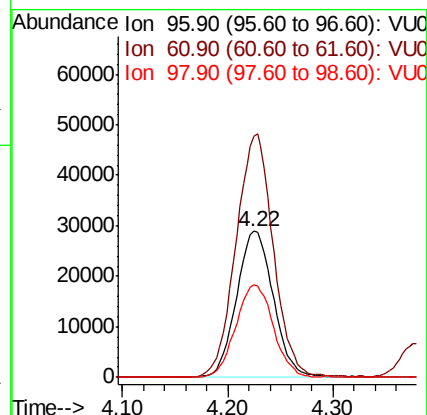
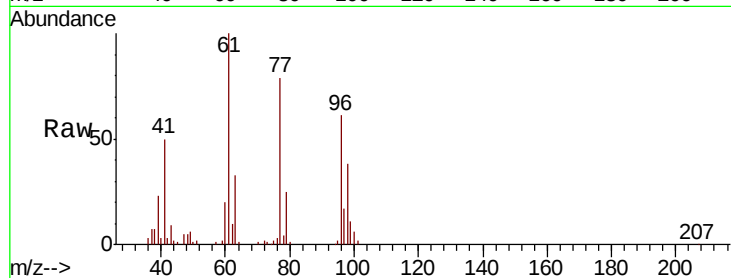




#27
 cis-1,2-Dichloroethene
 Concen: 20.074 ug/l
 RT: 4.22 min Scan# 949
 Delta R.T. 0.00 min
 Lab File: VU028365.D
 Acq: 28 Nov 2018 14:55

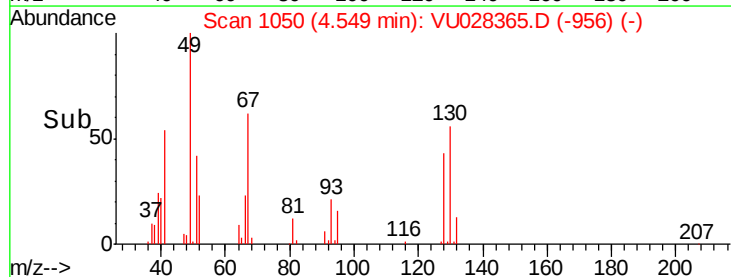
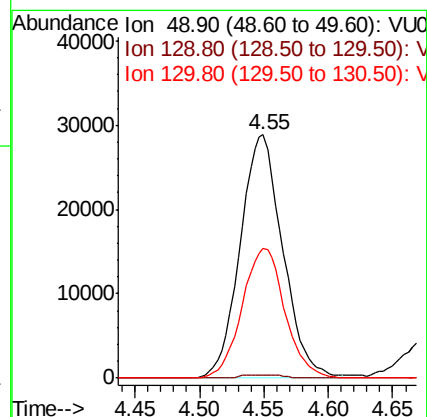
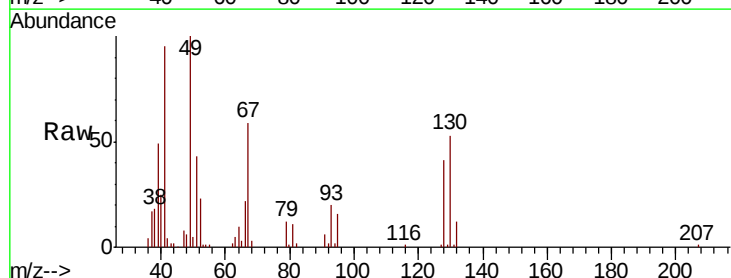
Instrument :
 MSVOA_U
 ClientSampleId :
 VU1128MBS01

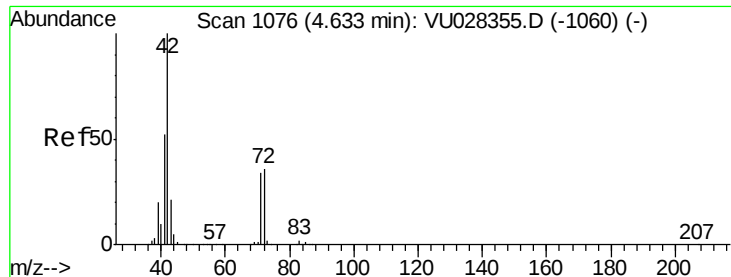
Tot Ion: 96 Resp: 70076
 Ion Ratio Lower Upper
 96 100
 61 168.7 0.0 342.0
 98 64.3 0.0 126.4



#28
 Bromochloromethane
 Concen: 20.493 ug/l
 RT: 4.55 min Scan# 1050
 Delta R.T. 0.00 min
 Lab File: VU028365.D
 Acq: 28 Nov 2018 14:55

Tgt Ion: 49 Resp: 66144
 Ion Ratio Lower Upper
 49 100
 129 0.6 0.0 2.6
 130 53.7 44.5 66.7

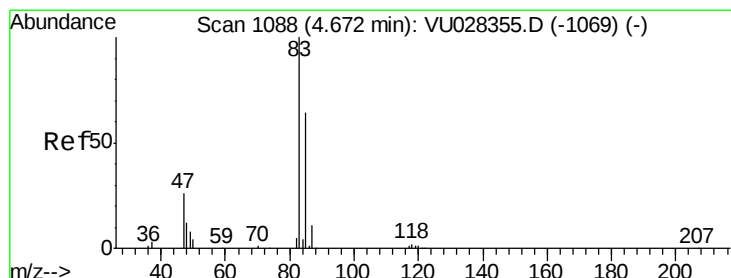
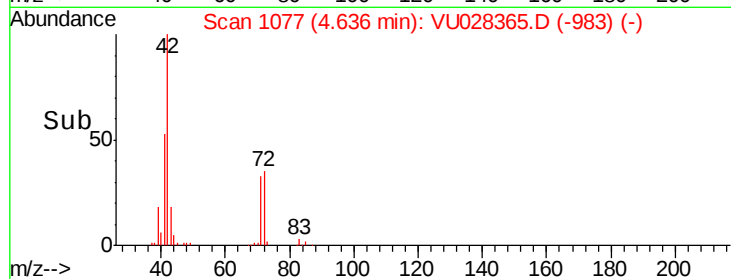
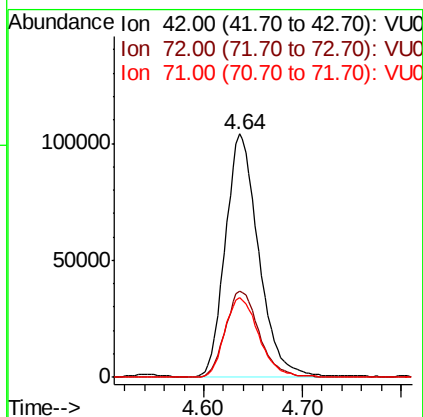
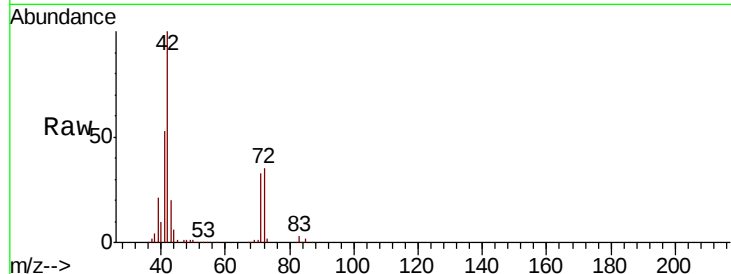




#29
Tetrahydrofuran
Concen: 107.786 ug/l
RT: 4.64 min Scan# 1077
Delta R.T. 0.00 min
Lab File: VU028365.D
Acq: 28 Nov 2018 14:55

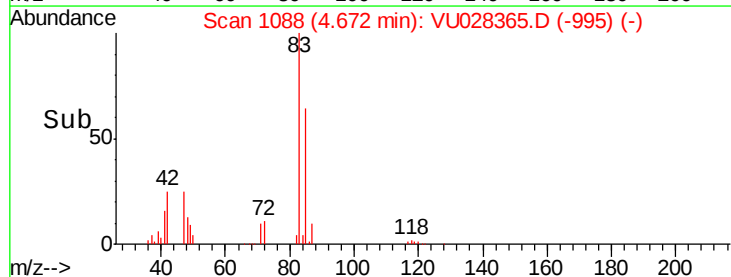
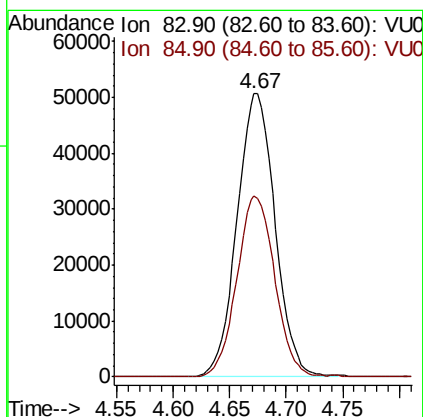
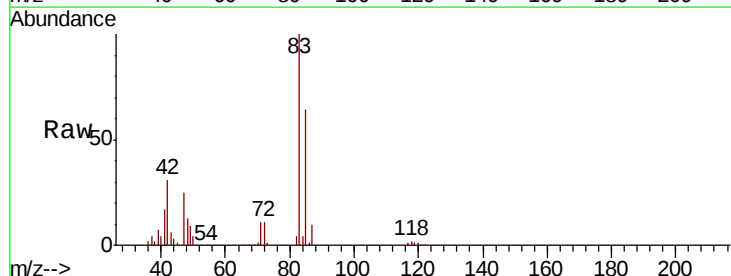
Instrument :
MSVOA_U
ClientSampleId :
VU1128MBS01

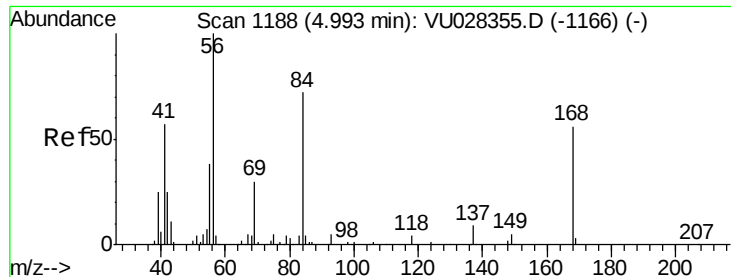
Tot Ion	Ratio	Lower	Upper
42	100		
72	36.1	29.5	44.3
71	33.8	27.7	41.5



#30
Chloroform
Concen: 19.911 ug/l
RT: 4.67 min Scan# 1088
Delta R.T. -0.00 min
Lab File: VU028365.D
Acq: 28 Nov 2018 14:55

Tgt Ion	Ratio	Lower	Upper
83	100		
85	63.9	51.2	76.8

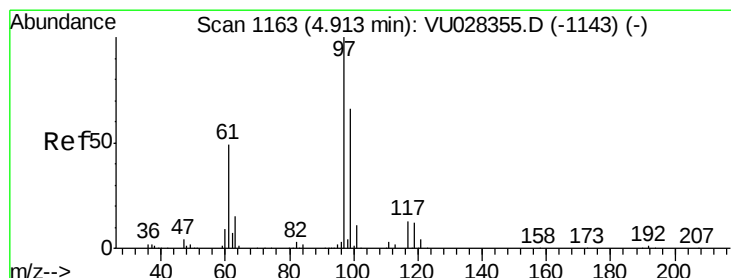
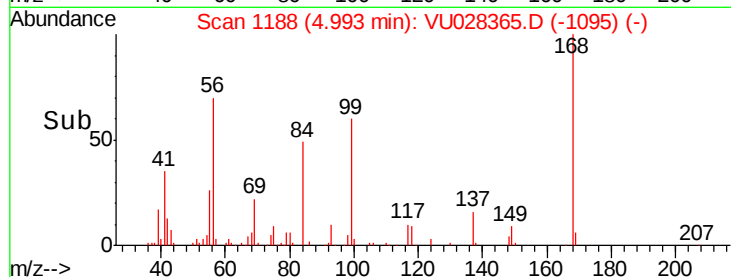
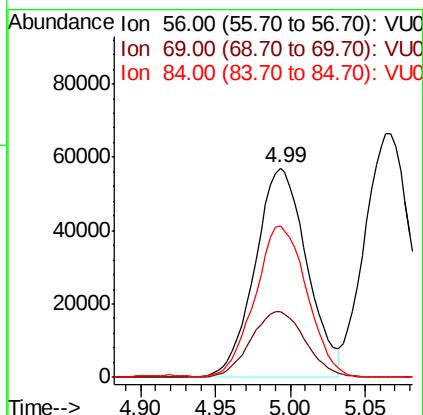
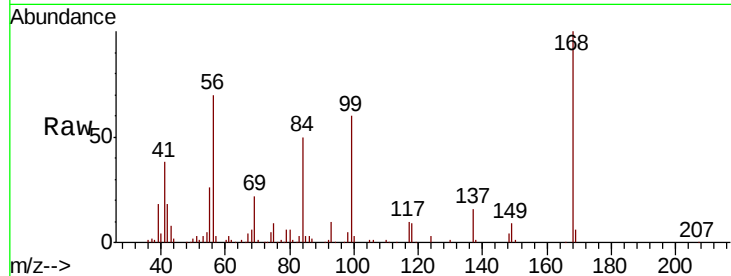




#31
Cyclohexane
Concen: 20.528 ug/l
RT: 4.99 min Scan# 1188
Delta R.T. 0.00 min
Lab File: VU028365.D
Acq: 28 Nov 2018 14:55

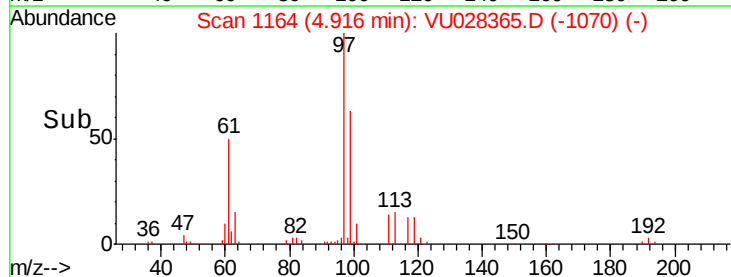
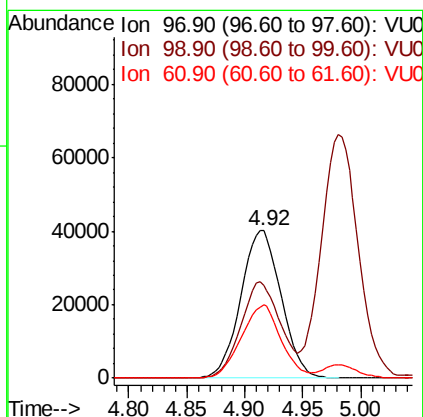
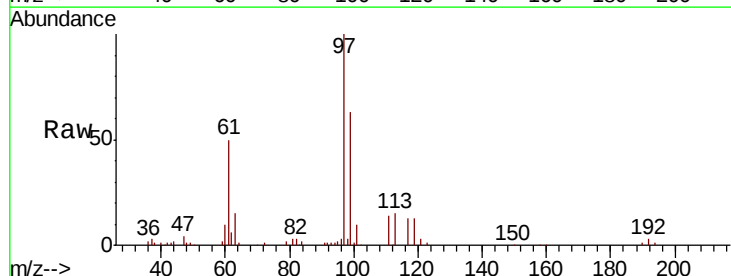
Instrument :
MSVOA_U
ClientSampleId :
VU1128MBS01

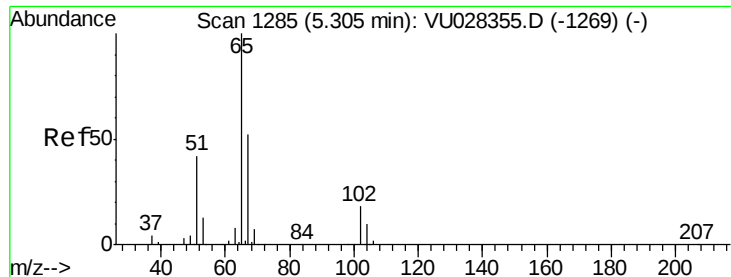
Tot Ion: 56 Resp: 137528
Ion Ratio Lower Upper
56 100
69 31.4 23.7 35.5
84 71.6 57.3 85.9



#32
1,1,1-Trichloroethane
Concen: 20.334 ug/l
RT: 4.92 min Scan# 1164
Delta R.T. 0.00 min
Lab File: VU028365.D
Acq: 28 Nov 2018 14:55

Tgt Ion: 97 Resp: 97214
Ion Ratio Lower Upper
97 100
99 63.9 50.8 76.2
61 48.8 39.1 58.7





#33

1,2-Dichloroethane-d4

Concen: 50.578 ug/l

RT: 5.31 min Scan# 1286

Delta R.T. 0.00 min

Lab File: VU028365.D

Acq: 28 Nov 2018 14:55

Instrument :

MSVOA_U

ClientSampleId :

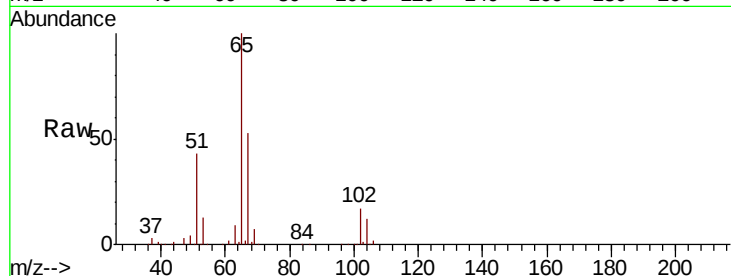
VU1128MBS01

Tot Ion: 65 Resp: 201386

Ion Ratio Lower Upper

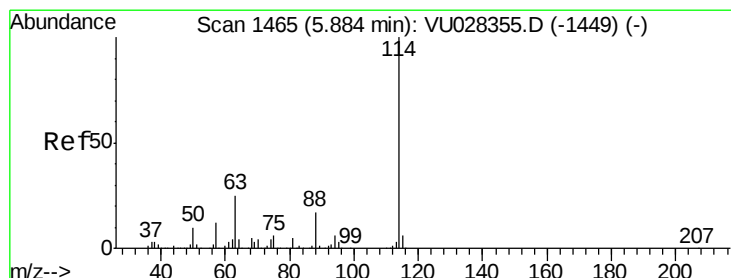
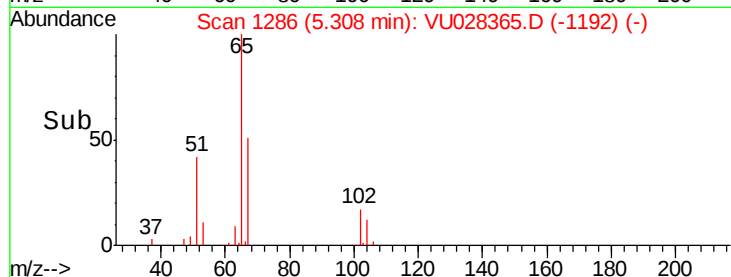
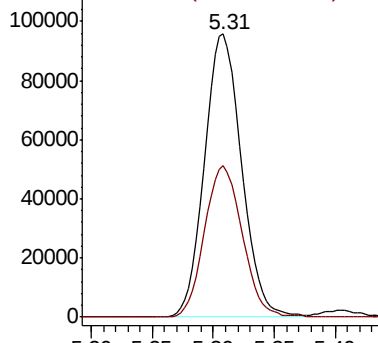
65 100

67 54.3 0.0 106.8



Abundance Ion 64.90 (64.60 to 65.60): VU0

Ion 66.90 (66.60 to 67.60): VU0



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 5.88 min Scan# 1465

Delta R.T. -0.00 min

Lab File: VU028365.D

Acq: 28 Nov 2018 14:55

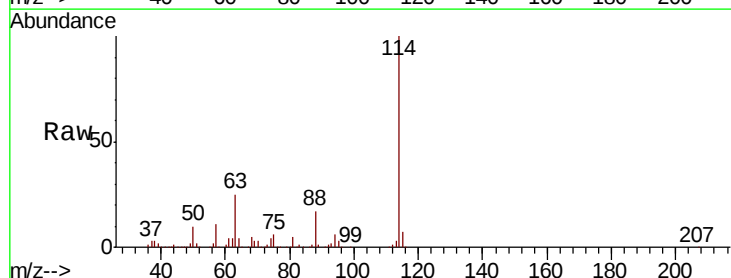
Tgt Ion: 114 Resp: 430660

Ion Ratio Lower Upper

114 100

63 25.5 0.0 50.0

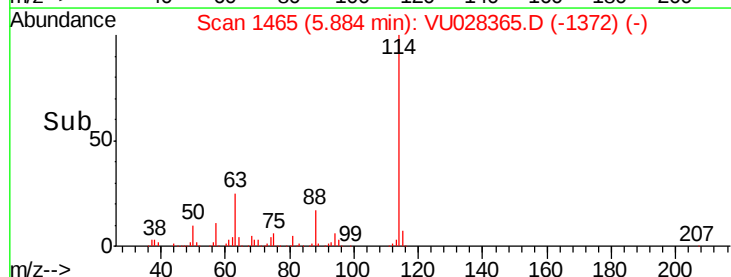
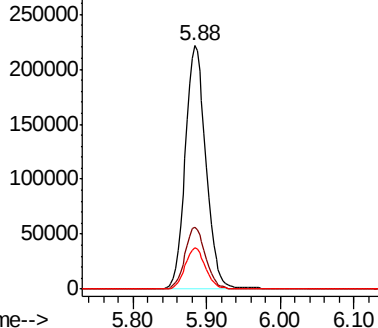
88 16.8 0.0 34.4

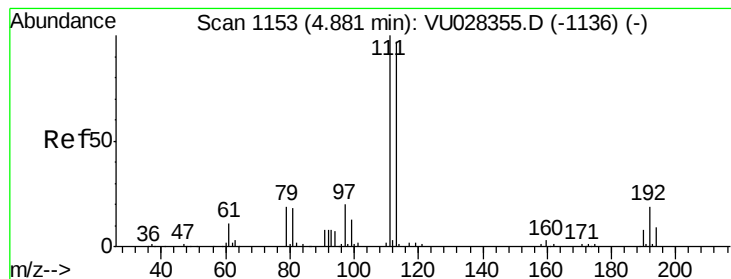


Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VU0

Ion 87.90 (87.60 to 88.60): VU0





#35

Dibromofluoromethane

Concen: 49.157 ug/l

RT: 4.88 min Scan# 1153

Delta R.T. -0.00 min

Lab File: VU028365.D

Acq: 28 Nov 2018 14:55

Instrument :

MSVOA_U

ClientSampleId :

VU1128MBS01

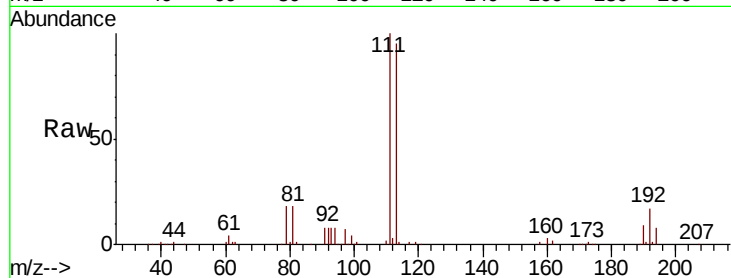
Tot Ion:113 Resp: 140772

Ion Ratio Lower Upper

113 100

111 103.0 82.9 124.3

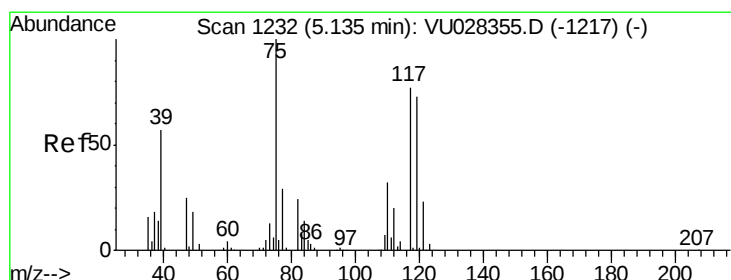
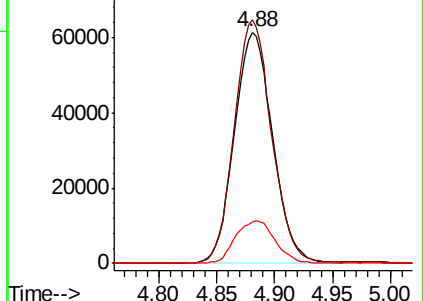
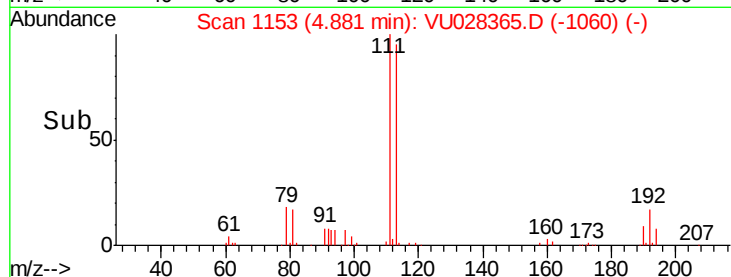
192 19.0 15.4 23.0



Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V



#36

1,1-Dichloropropene

Concen: 19.217 ug/l

RT: 5.13 min Scan# 1232

Delta R.T. -0.00 min

Lab File: VU028365.D

Acq: 28 Nov 2018 14:55

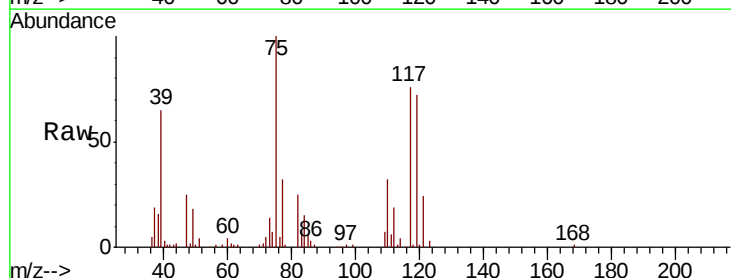
Tgt Ion: 75 Resp: 90565

Ion Ratio Lower Upper

75 100

110 31.9 15.8 47.4

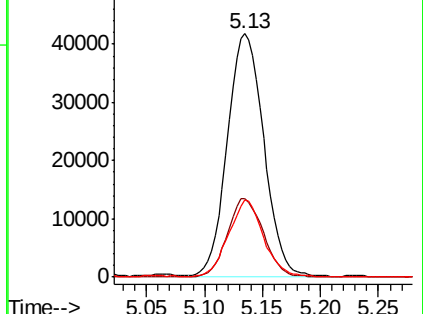
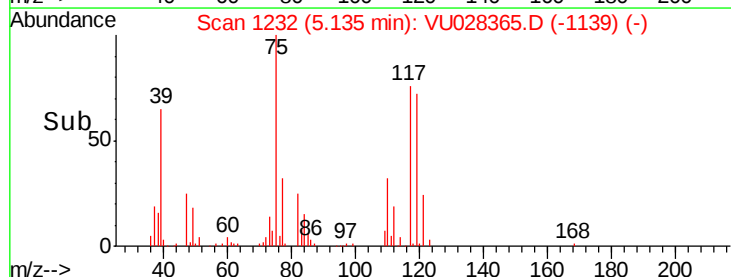
77 30.7 24.6 36.8

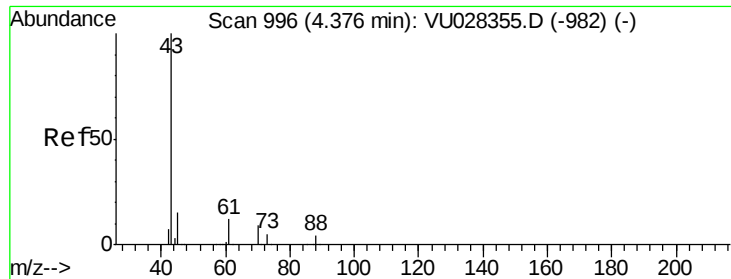


Abundance Ion 74.90 (74.60 to 75.60): VU0

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VU0

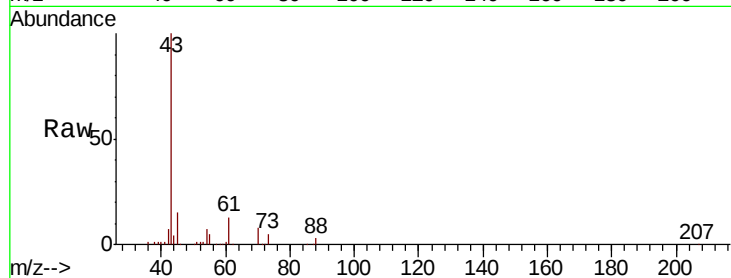




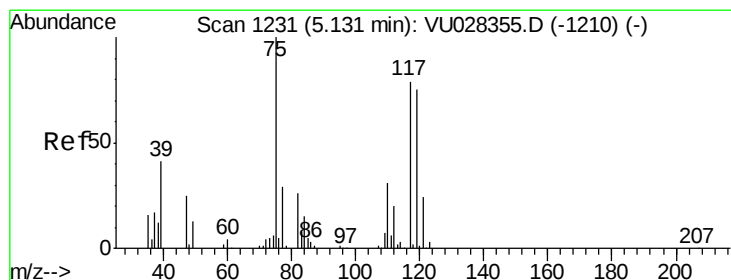
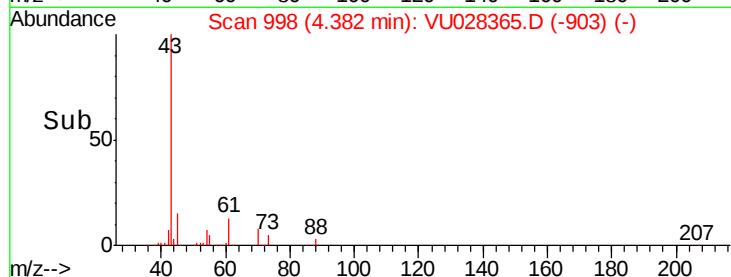
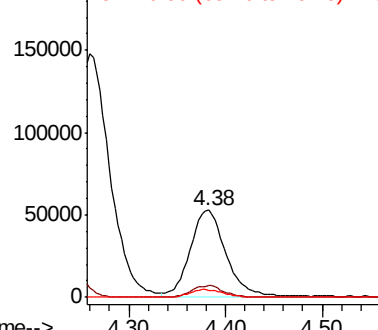
#37
Ethyl Acetate
Concen: 20.825 ug/l
RT: 4.38 min Scan# 998
Delta R.T. 0.01 min
Lab File: VU028365.D
Acq: 28 Nov 2018 14:55

Instrument :
MSVOA_U
ClientSampleId :
VU1128MBS01

Tot Ion: 43 Resp: 133742
Ion Ratio Lower Upper
43 100
61 12.1 10.2 15.4
70 8.8 6.9 10.3

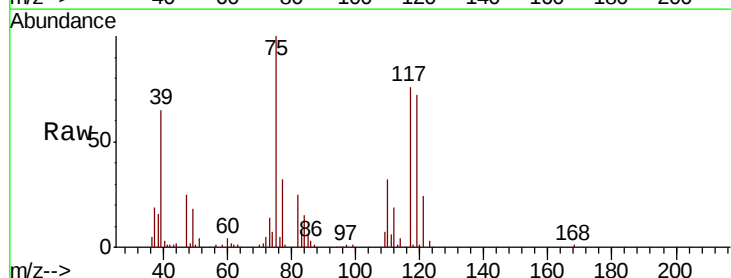


Abundance Ion 43.00 (42.70 to 43.70): VU0
Ion 60.90 (60.60 to 61.60): VU0
Ion 70.00 (69.70 to 70.70): VU0

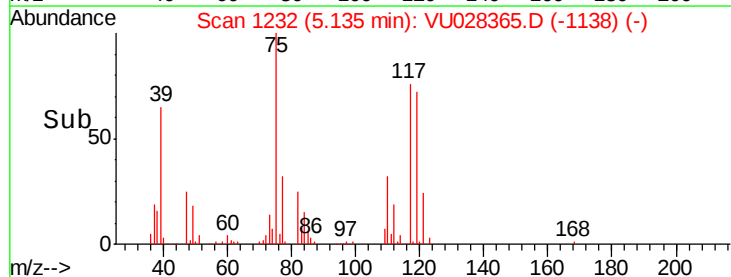
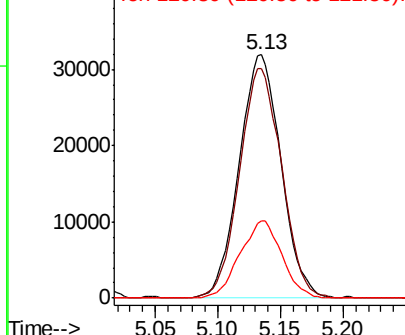


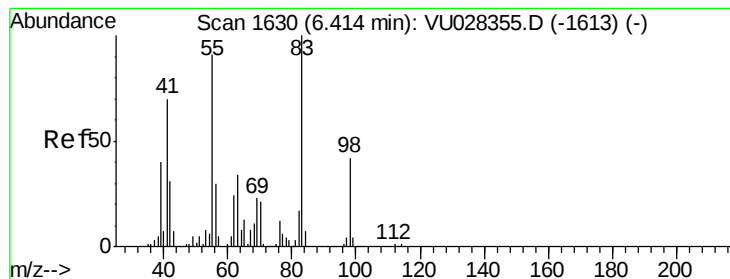
#38
Carbon Tetrachloride
Concen: 19.138 ug/l
RT: 5.13 min Scan# 1232
Delta R.T. 0.00 min
Lab File: VU028365.D
Acq: 28 Nov 2018 14:55

Tgt Ion: 117 Resp: 74061
Ion Ratio Lower Upper
117 100
119 94.3 76.3 114.5
121 31.9 24.7 37.1



Abundance Ion 116.80 (116.50 to 117.50): V
Ion 118.80 (118.50 to 119.50): V
Ion 120.80 (120.50 to 121.50): V





#39

Methvlcvclohexane

Concen: 19.641 ug/l

RT: 6.41 min Scan# 1630

Delta R.T. -0.00 min

Lab File: VU028365.D

Acq: 28 Nov 2018 14:55

Instrument :

MSVOA_U

ClientSampleId :

VU1128MBS01

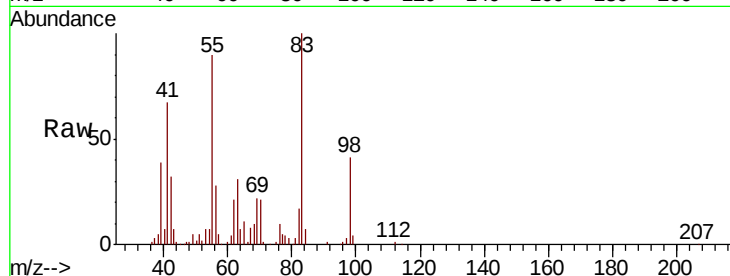
Tot Ion: 83 Resp: 109130

Ion Ratio Lower Upper

83 100

55 90.0 73.1 109.7

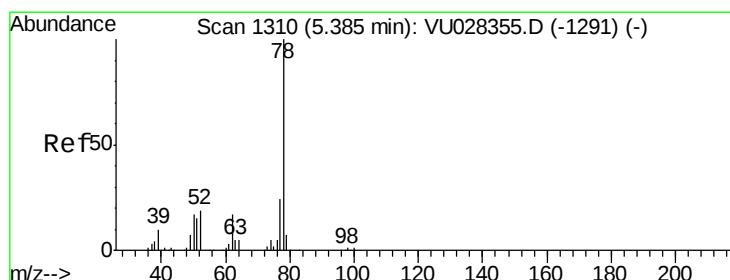
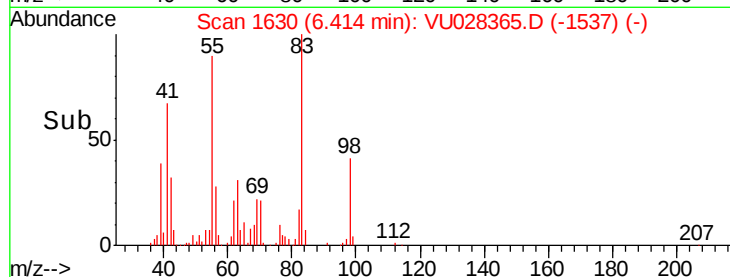
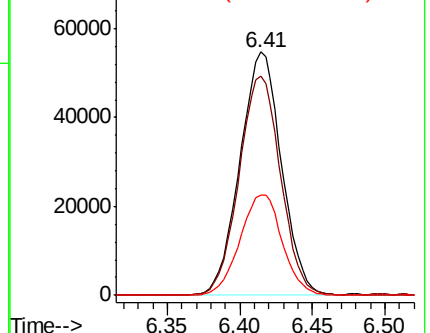
98 41.3 33.9 50.9



Abundance Ion 83.00 (82.70 to 83.70): VU028365.D (-1613) (-)

Ion 55.00 (54.70 to 55.70): VU028365.D (-1613) (-)

Ion 98.00 (97.70 to 98.70): VU028365.D (-1613) (-)



#40

Benzene

Concen: 20.020 ug/l

RT: 5.39 min Scan# 1311

Delta R.T. 0.00 min

Lab File: VU028365.D

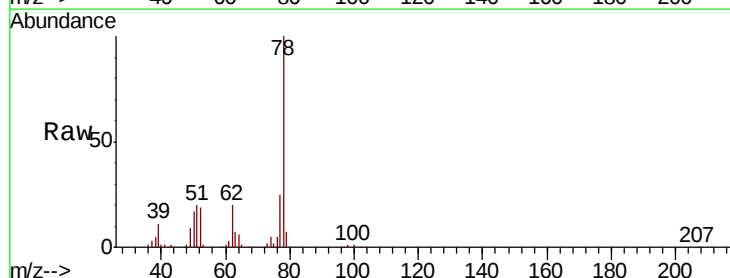
Acq: 28 Nov 2018 14:55

Tgt Ion: 78 Resp: 279438

Ion Ratio Lower Upper

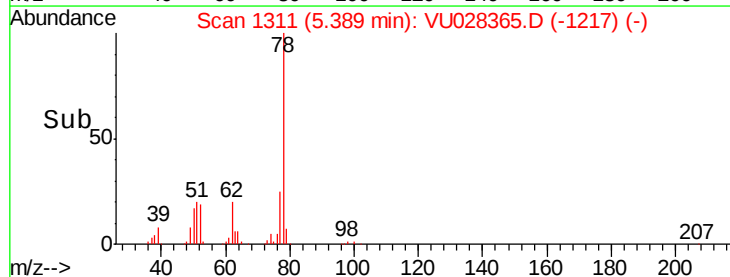
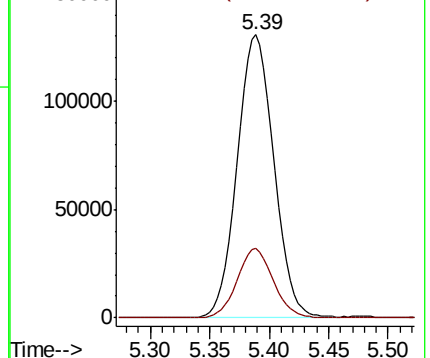
78 100

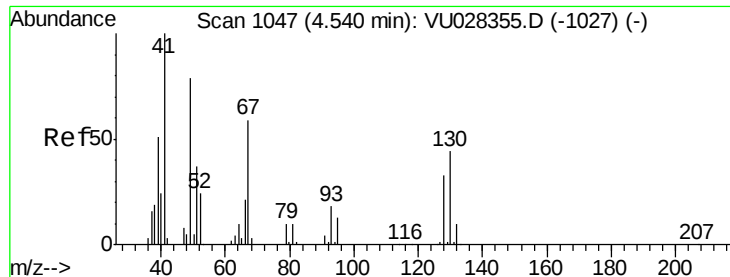
77 24.6 19.0 28.6



Abundance Ion 78.00 (77.70 to 78.70): VU028365.D (-1291) (-)

Ion 77.00 (76.70 to 77.70): VU028365.D (-1291) (-)

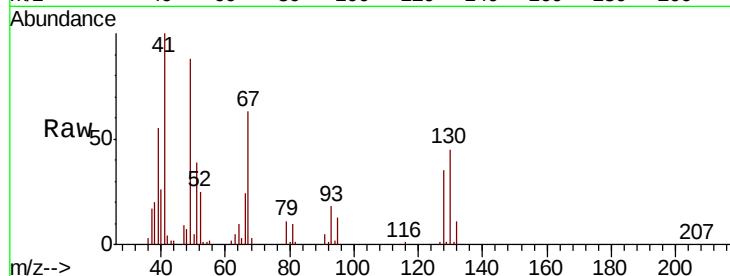




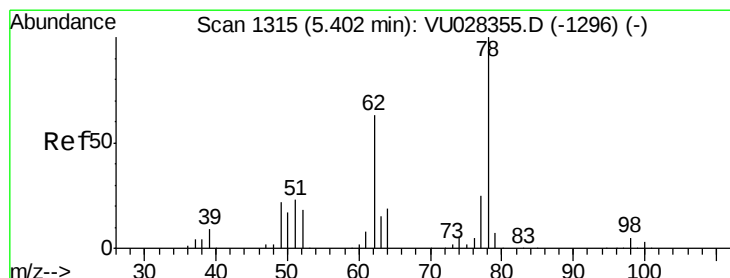
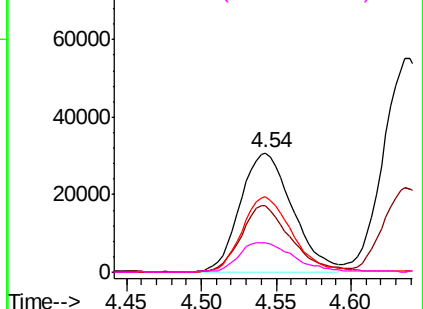
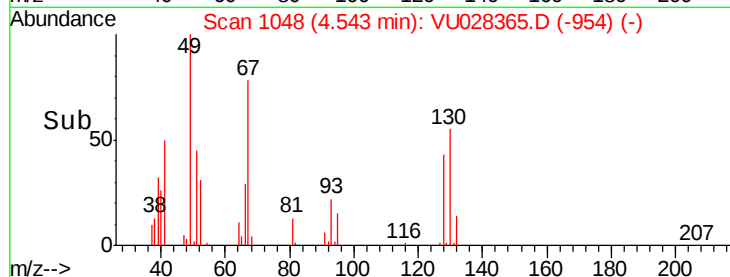
#41
Methacrylonitrile
Concen: 21.052 ug/l
RT: 4.54 min Scan# 1048
Delta R.T. 0.00 min
Lab File: VU028365.D
Acq: 28 Nov 2018 14:55

Instrument :
MSVOA_U
ClientSampleId :
VU1128MBS01

Tot Ion: 41 Resp: 75084
Ion Ratio Lower Upper
41 100
39 52.0 41.3 61.9
67 61.3 48.6 73.0
52 26.1 19.4 29.0

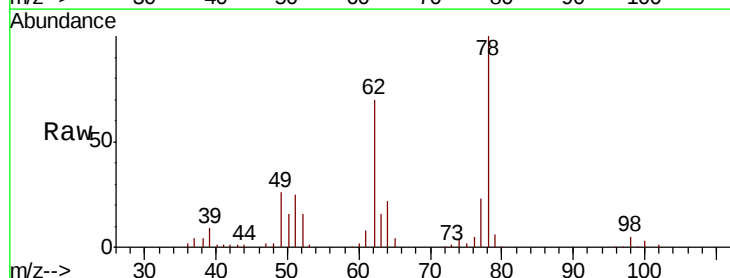


Abundance Ion 41.00 (40.70 to 41.70): VU0
Ion 39.00 (38.70 to 39.70): VU0
Ion 67.00 (66.70 to 67.70): VU0
Ion 52.00 (51.70 to 52.70): VU0

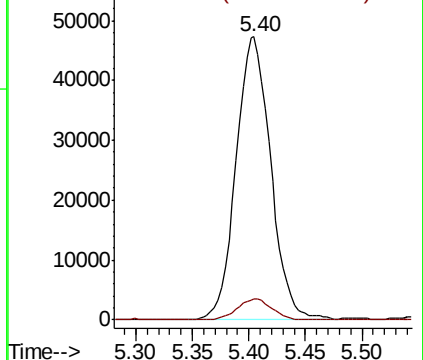
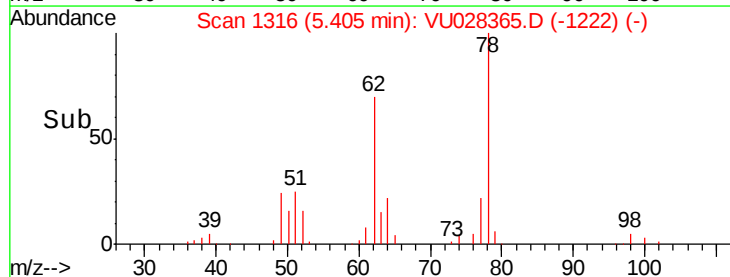


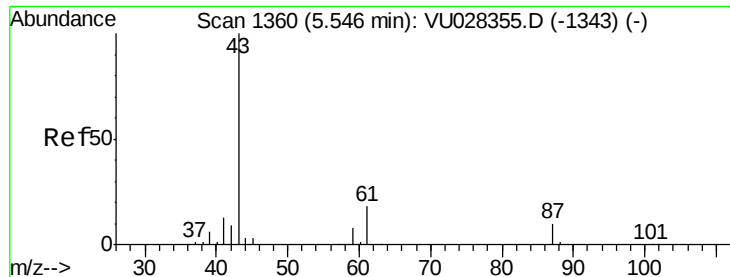
#42
1,2-Dichloroethane
Concen: 20.073 ug/l
RT: 5.40 min Scan# 1316
Delta R.T. 0.00 min
Lab File: VU028365.D
Acq: 28 Nov 2018 14:55

Tgt Ion: 62 Resp: 100933
Ion Ratio Lower Upper
62 100
98 7.3 0.0 15.4



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





#43

Isopropyl Acetate

Concen: 20.527 ug/l

RT: 5.55 min Scan# 1360

Delta R.T. -0.00 min

Lab File: VU028365.D

Acq: 28 Nov 2018 14:55

Instrument :

MSVOA_U

ClientSampleId :

VU1128MBS01

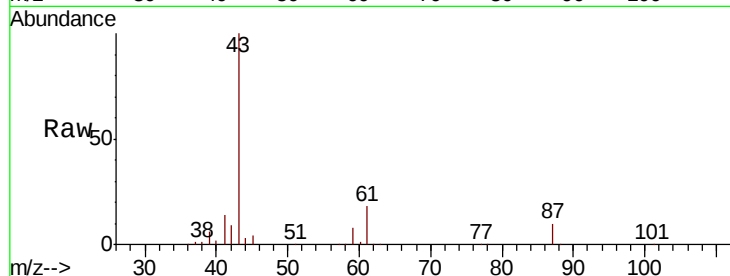
Tot Ion: 43 Resp: 208900

Ion Ratio Lower Upper

43 100

61 18.1 14.5 21.7

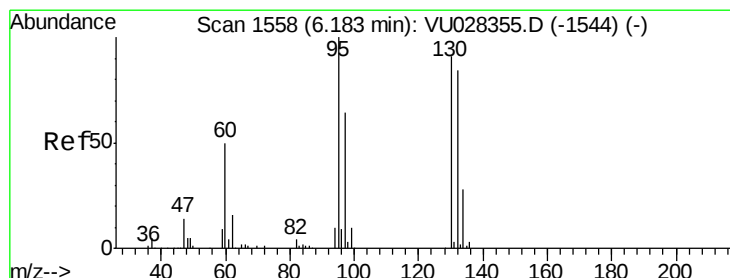
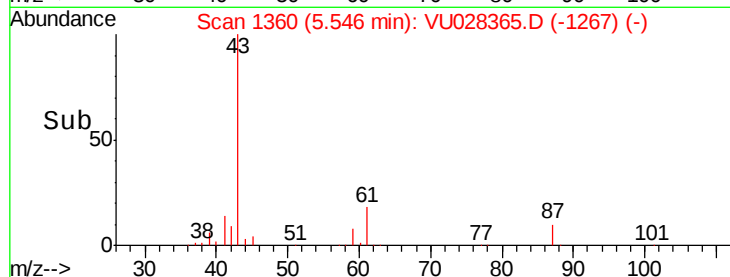
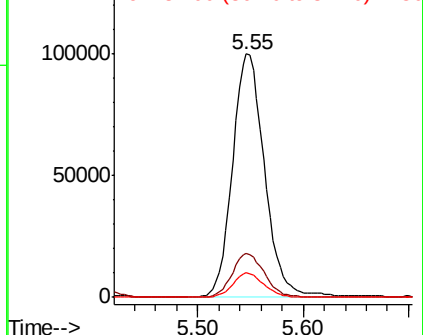
87 9.7 8.4 12.6



Abundance Ion 43.00 (42.70 to 43.70): VU028365.D (-1343) (-)

Ion 61.00 (60.70 to 61.70): VU028365.D (-1343) (-)

Ion 87.00 (86.70 to 87.70): VU028365.D (-1343) (-)



#44

Trichloroethene

Concen: 19.530 ug/l

RT: 6.19 min Scan# 1559

Delta R.T. 0.00 min

Lab File: VU028365.D

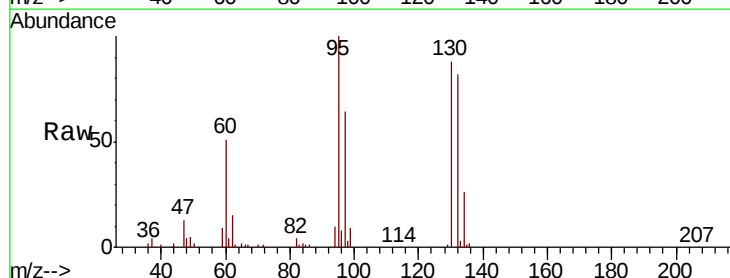
Acq: 28 Nov 2018 14:55

Tgt Ion:130 Resp: 58431

Ion Ratio Lower Upper

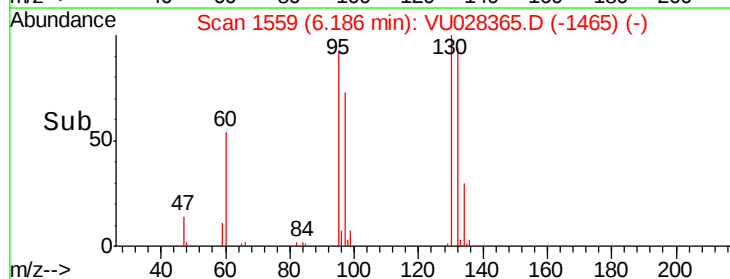
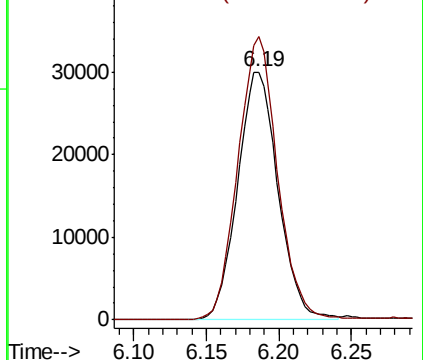
130 100

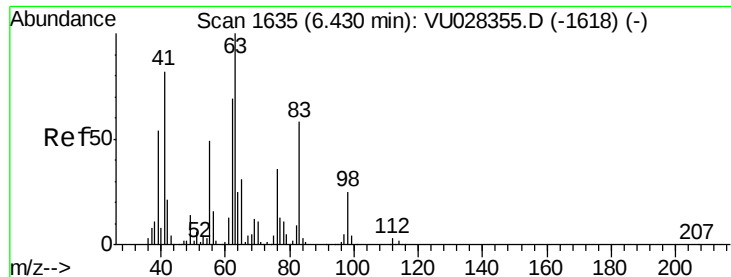
95 114.2 0.0 219.8



Abundance Ion 129.80 (129.50 to 130.50): VU028365.D (-1544) (-)

Ion 94.90 (94.60 to 95.60): VU028365.D (-1544) (-)





#45

1,2-Dichloropropane

Concen: 20.024 ug/l

RT: 6.43 min Scan# 1635

Delta R.T. -0.00 min

Lab File: VU028365.D

Acq: 28 Nov 2018 14:55

Instrument :

MSVOA_U

ClientSampleId :

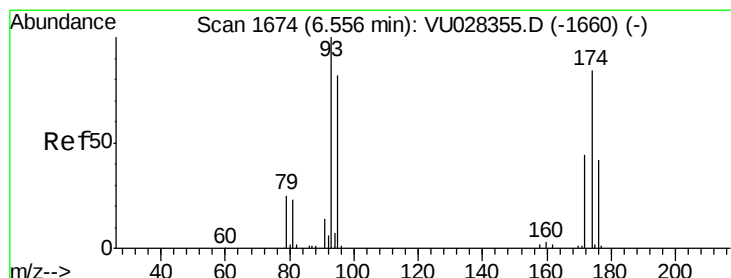
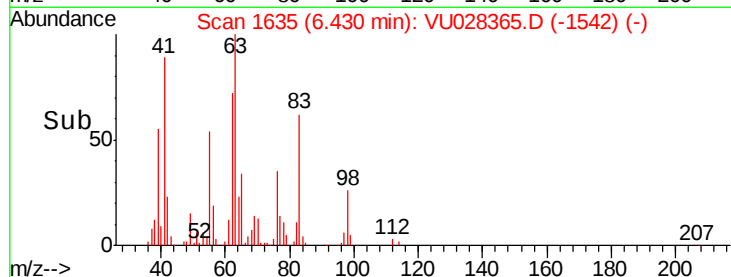
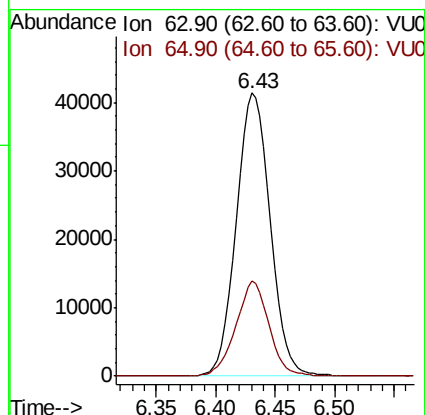
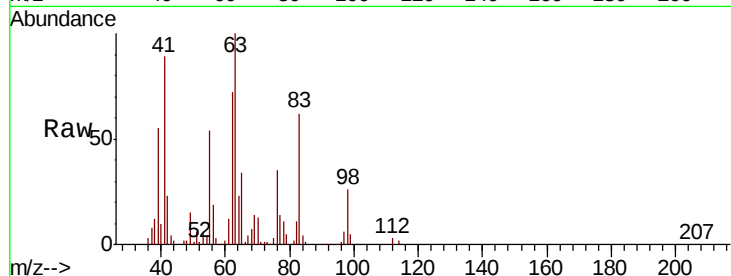
VU1128MBS01

Tot Ion: 63 Resp: 81845

Ion Ratio Lower Upper

63 100

65 33.8 25.1 37.7



#46

Dibromomethane

Concen: 19.941 ug/l

RT: 6.56 min Scan# 1675

Delta R.T. 0.00 min

Lab File: VU028365.D

Acq: 28 Nov 2018 14:55

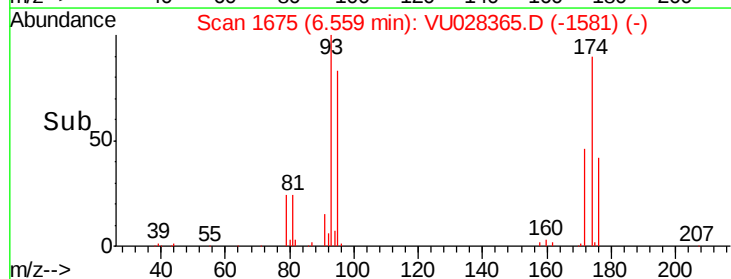
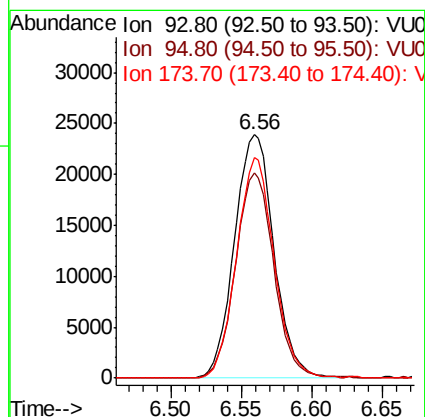
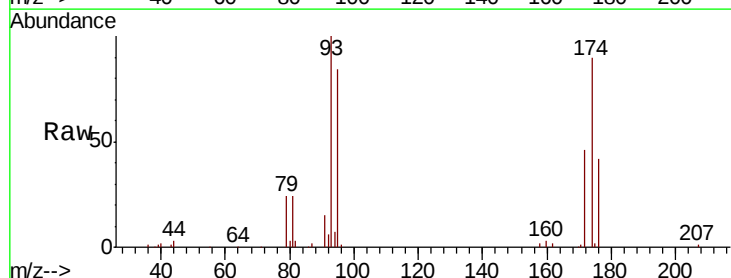
Tgt Ion: 93 Resp: 46817

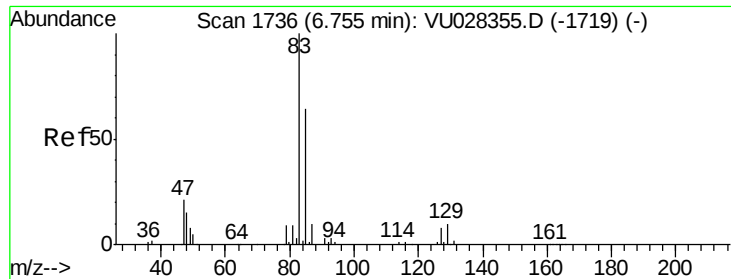
Ion Ratio Lower Upper

93 100

95 81.6 65.1 97.7

174 86.6 69.9 104.9





#47

Bromodichloromethane

Concen: 18.878 ug/l

RT: 6.76 min Scan# 1736

Delta R.T. -0.00 min

Lab File: VU028365.D

Acq: 28 Nov 2018 14:55

Instrument :

MSVOA_U

ClientSampleId :

VU1128MBS01

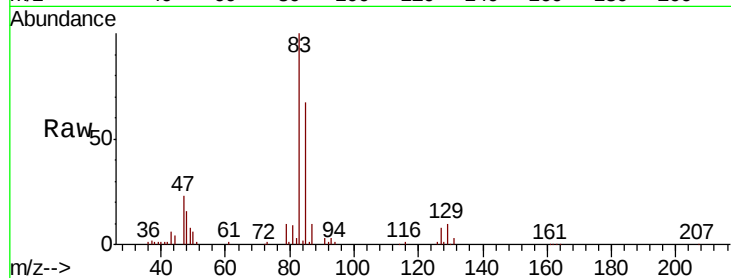
Tot Ion: 83 Resp: 88159

Ion Ratio Lower Upper

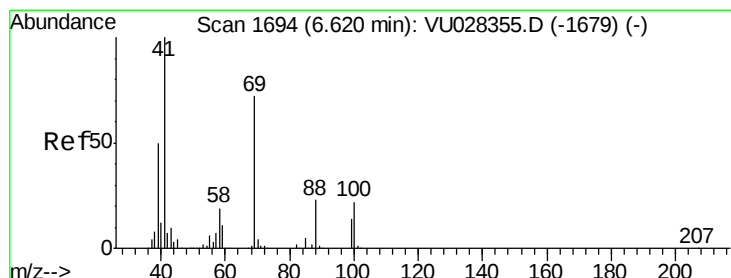
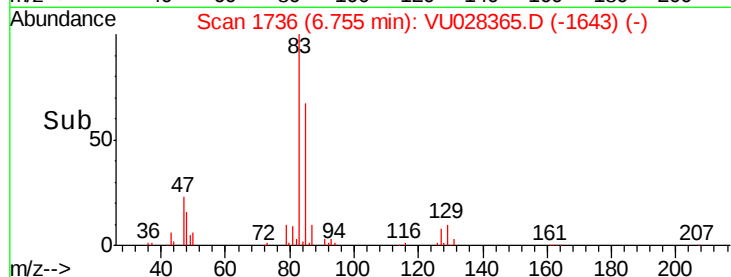
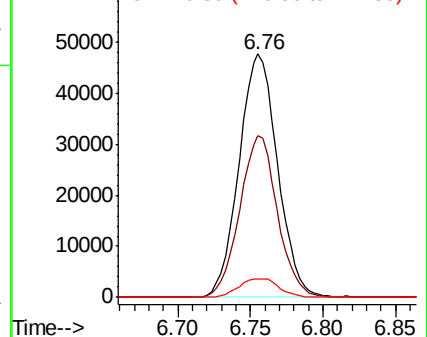
83 100

85 66.5 50.9 76.3

127 7.8 6.2 9.4



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



#48

Methyl methacrylate

Concen: 19.537 ug/l

RT: 6.62 min Scan# 1694

Delta R.T. -0.00 min

Lab File: VU028365.D

Acq: 28 Nov 2018 14:55

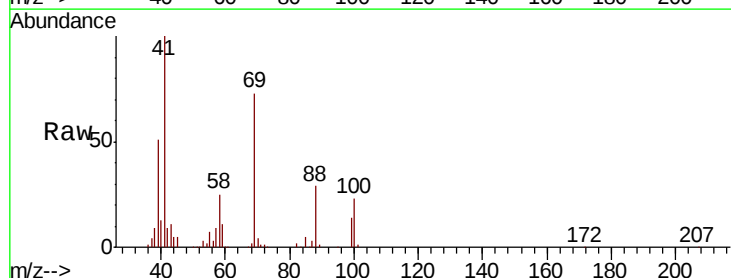
Tgt Ion: 41 Resp: 103572

Ion Ratio Lower Upper

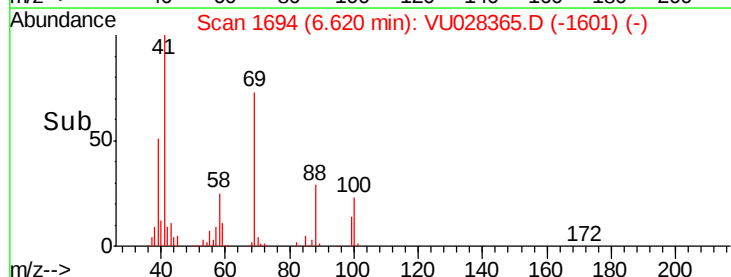
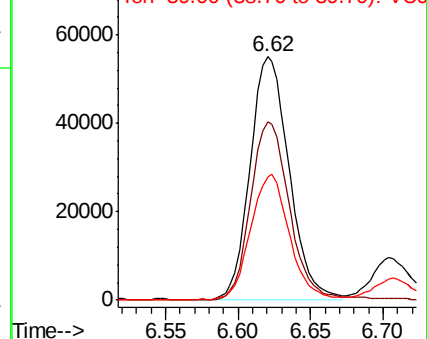
41 100

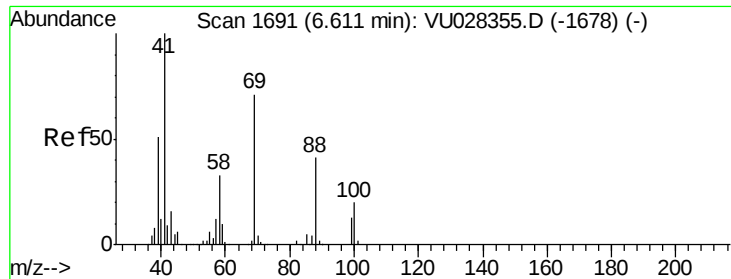
69 73.2 59.0 88.4

39 50.3 40.5 60.7



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

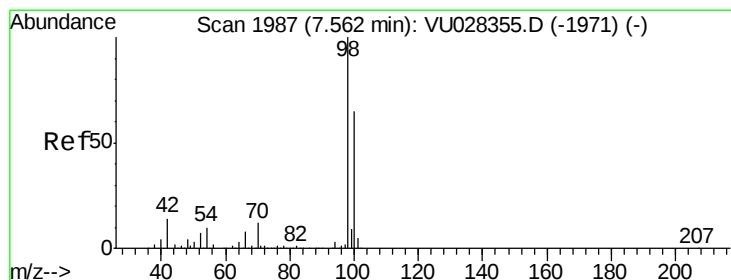
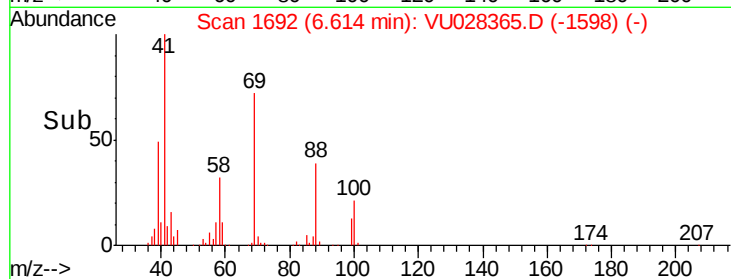
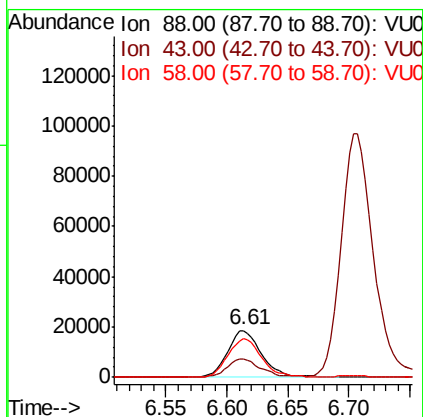
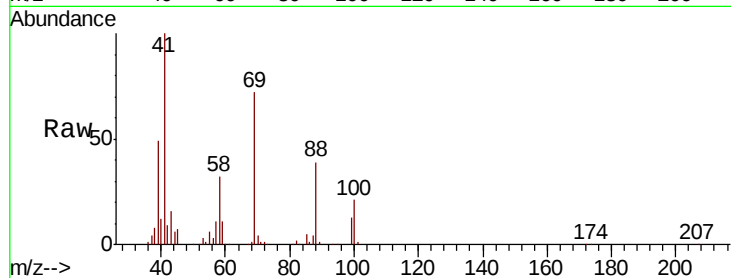




#49
1,4-Dioxane
Concen: 432.195 ug/l
RT: 6.61 min Scan# 1692
Delta R.T. 0.00 min
Lab File: VU028365.D
Acq: 28 Nov 2018 14:55

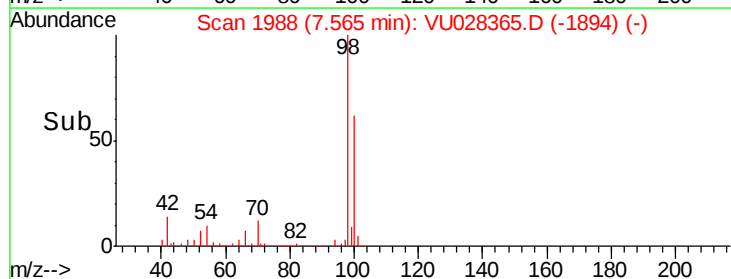
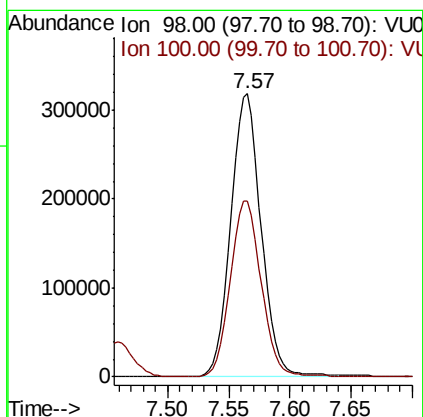
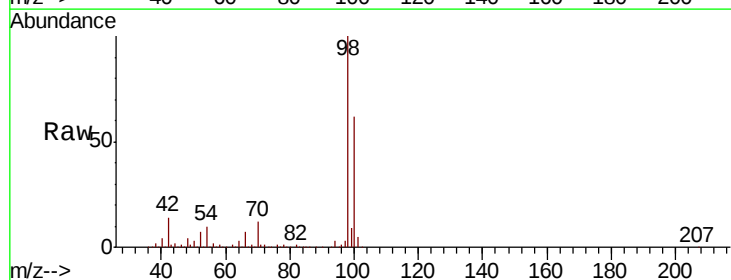
Instrument :
MSVOA_U
ClientSampleId :
VU1128MBS01

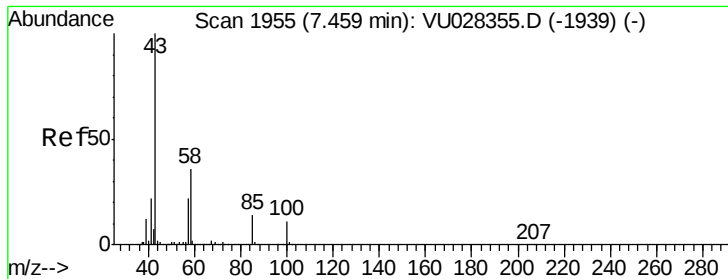
Tot Ion: 88 Resp: 36602
Ion Ratio Lower Upper
88 100
43 37.9 32.6 48.8
58 81.6 68.7 103.1



#50
Toluene-d8
Concen: 48.218 ug/l
RT: 7.57 min Scan# 1988
Delta R.T. 0.00 min
Lab File: VU028365.D
Acq: 28 Nov 2018 14:55

Tgt Ion: 98 Resp: 552238
Ion Ratio Lower Upper
98 100
100 62.9 50.8 76.2





#51

4-Methyl-2-Pentanone

Concen: 101.408 ug/l

RT: 7.46 min Scan# 1955

Delta R.T. -0.00 min

Lab File: VU028365.D

Acq: 28 Nov 2018 14:55

Instrument :

MSVOA_U

ClientSampleId :

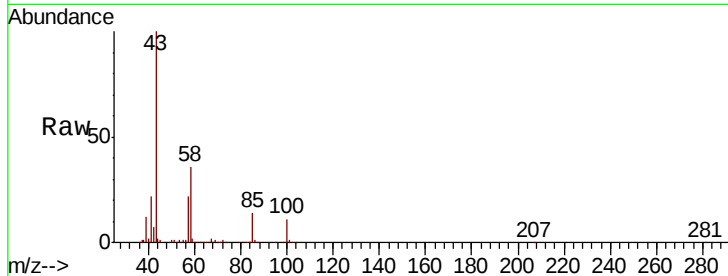
VU1128MBS01

Tot Ion: 43 Resp: 659149

Ion Ratio Lower Upper

43 100

58 36.6 28.8 43.2



Abundance Ion 43.00 (42.70 to 43.70): VU028365.D (-1939) (-)

Ion 58.00 (57.70 to 58.70): VU028365.D (-1939) (-)

7.46

400000

300000

200000

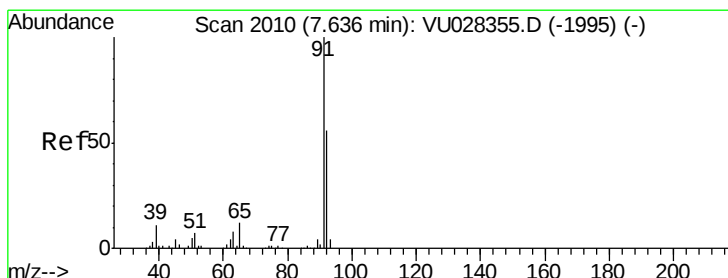
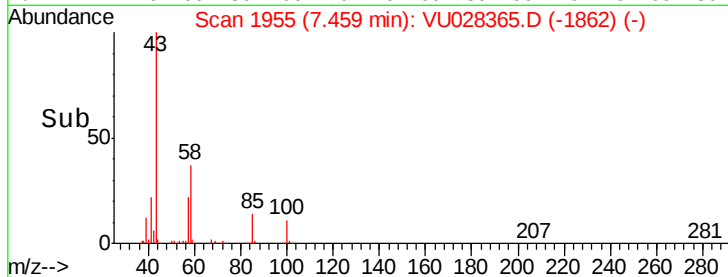
100000

0

7.40

7.50

Time-->



#52

Toluene

Concen: 19.792 ug/l

RT: 7.64 min Scan# 2010

Delta R.T. -0.00 min

Lab File: VU028365.D

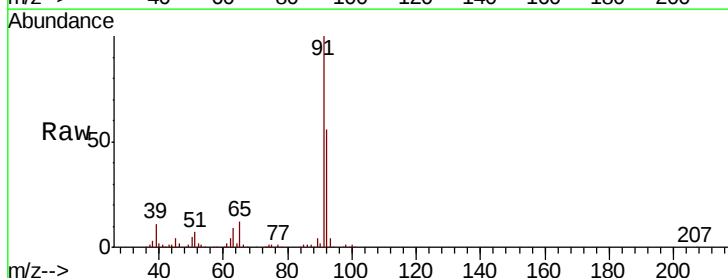
Acq: 28 Nov 2018 14:55

Tgt Ion: 92 Resp: 159081

Ion Ratio Lower Upper

92 100

91 177.0 141.8 212.6



Abundance Ion 92.00 (91.70 to 92.70): VU028365.D (-1995) (-)

Ion 91.00 (90.70 to 91.70): VU028365.D (-1995) (-)

7.64

150000

100000

50000

0

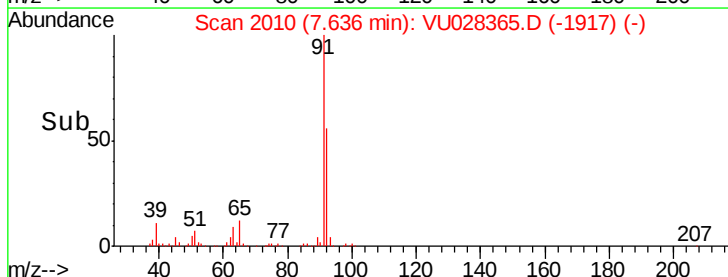
7.55

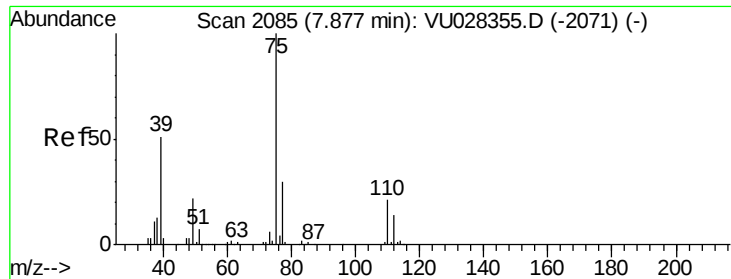
7.60

7.65

7.70

Time-->





#53

t-1,3-Dichloropropene

Concen: 19.189 ug/l

RT: 7.88 min Scan# 2085

Delta R.T. -0.00 min

Lab File: VU028365.D

Acq: 28 Nov 2018 14:55

Instrument :

MSVOA_U

ClientSampleId :

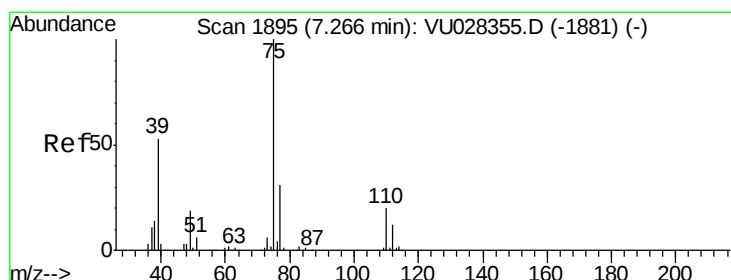
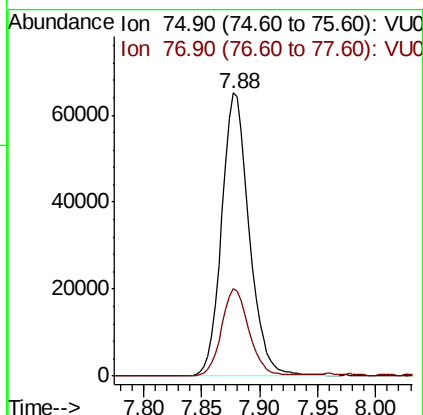
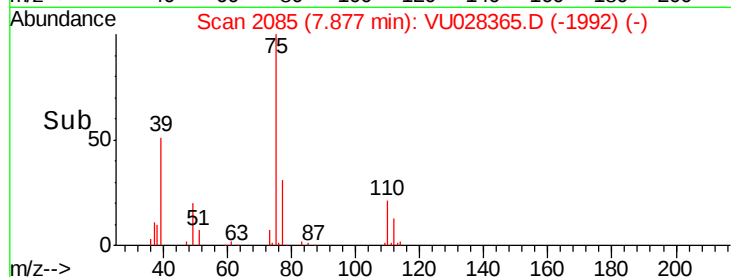
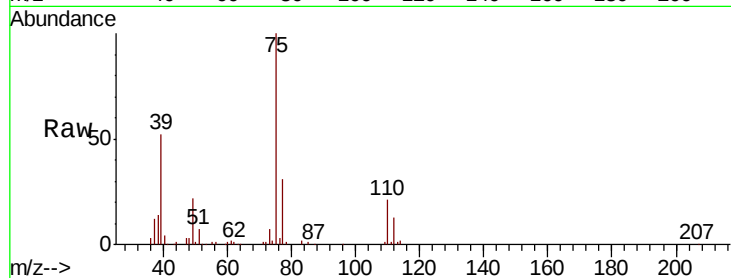
VU1128MBS01

Tot Ion: 75 Resp: 107155

Ion Ratio Lower Upper

75 100

77 30.9 24.1 36.1



#54

cis-1,3-Dichloropropene

Concen: 19.013 ug/l

RT: 7.27 min Scan# 1896

Delta R.T. 0.00 min

Lab File: VU028365.D

Acq: 28 Nov 2018 14:55

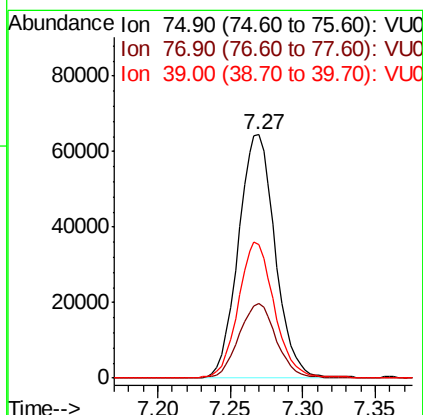
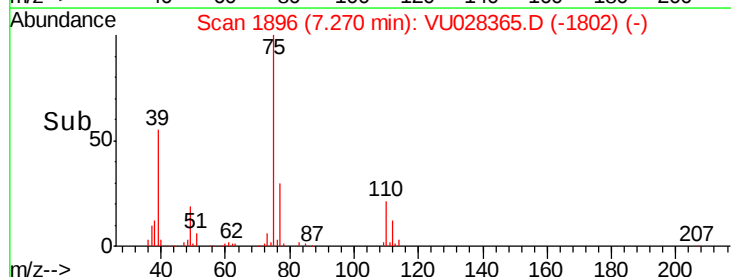
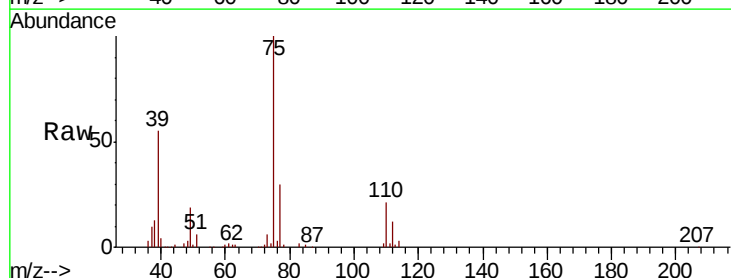
Tgt Ion: 75 Resp: 113740

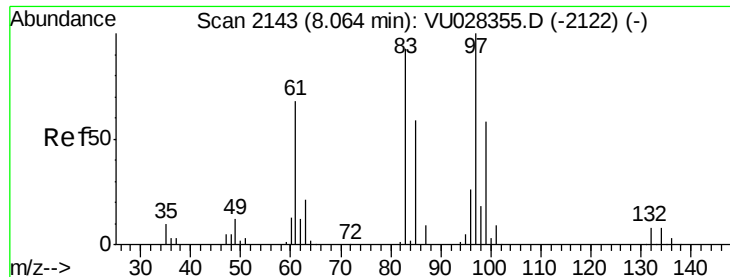
Ion Ratio Lower Upper

75 100

77 30.5 24.9 37.3

39 54.5 42.6 64.0

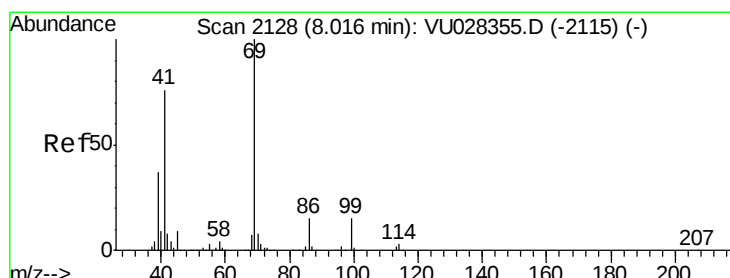
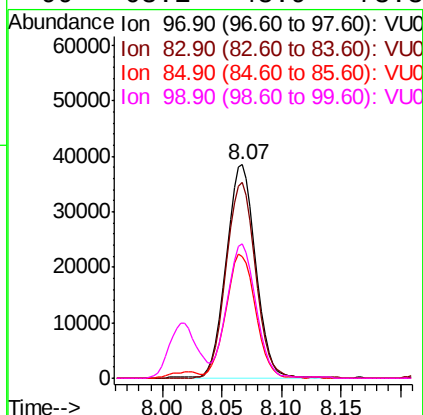
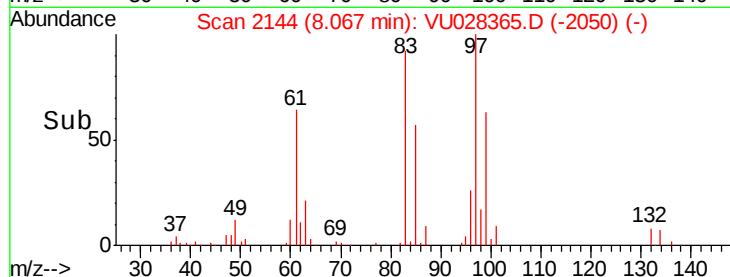
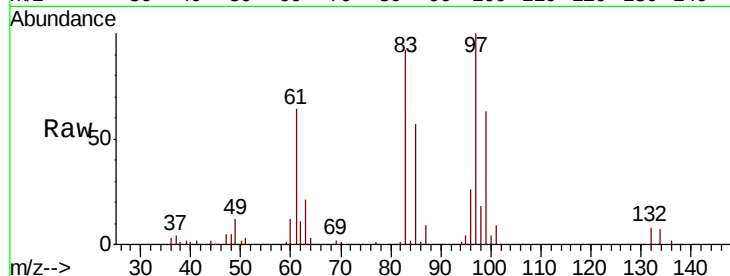




#55
 1,1,2-Trichloroethane
 Concen: 19.748 ug/l
 RT: 8.07 min Scan# 2144
 Delta R.T. 0.00 min
 Lab File: VU028365.D
 Acq: 28 Nov 2018 14:55

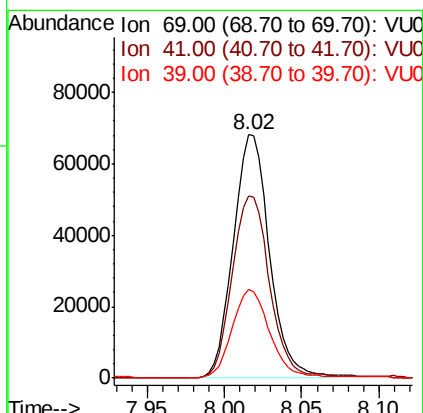
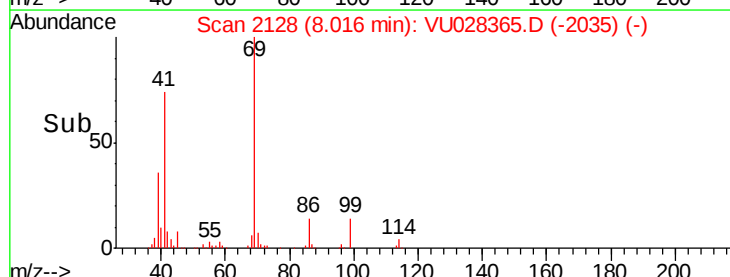
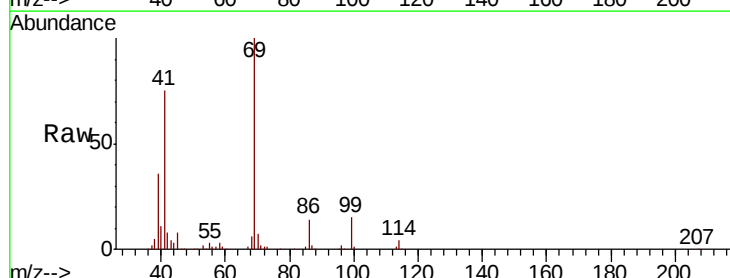
Instrument :
 MSVOA_U
 ClientSampleId :
 VU1128MBS01

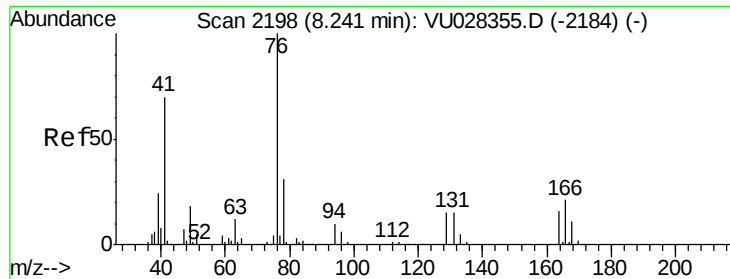
Tot Ion:	97	Resp:	66060
Ion	Ratio	Lower	Upper
97	100		
83	91.7	74.3	111.5
85	57.1	47.2	70.8
99	63.1	48.9	73.3



#56
 Ethyl methacrylate
 Concen: 19.574 ug/l
 RT: 8.02 min Scan# 2128
 Delta R.T. -0.00 min
 Lab File: VU028365.D
 Acq: 28 Nov 2018 14:55

Tgt Ion:	69	Resp:	111389
Ion	Ratio	Lower	Upper
69	100		
41	76.5	60.0	90.0
39	36.8	29.0	43.6





#57

1,3-Dichloropropane

Concen: 19.670 ug/l

RT: 8.24 min Scan# 2198

Delta R.T. -0.00 min

Lab File: VU028365.D

Acq: 28 Nov 2018 14:55

Instrument :

MSVOA_U

ClientSampleId :

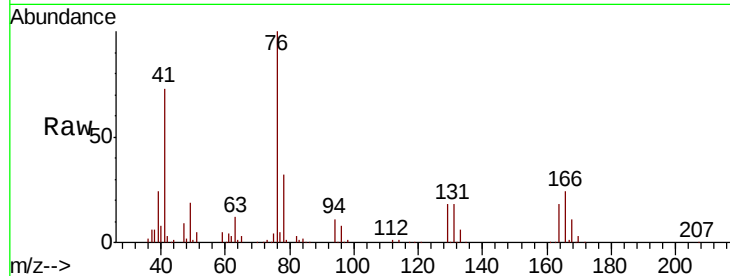
VU1128MBS01

Tot Ion: 76 Resp: 120663

Ion Ratio Lower Upper

76 100

78 32.2 25.4 38.0



Abundance Ion 75.90 (75.60 to 76.60): VU0

Ion 77.90 (77.60 to 78.60): VU0

8.24

80000

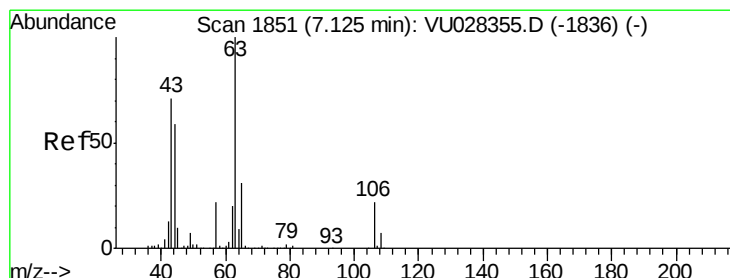
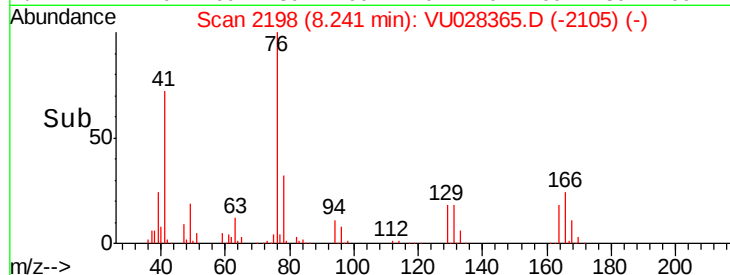
60000

40000

20000

0

Time--> 8.15 8.20 8.25 8.30



#58

2-Chloroethyl Vinyl ether

Concen: 94.895 ug/l

RT: 7.12 min Scan# 1851

Delta R.T. -0.00 min

Lab File: VU028365.D

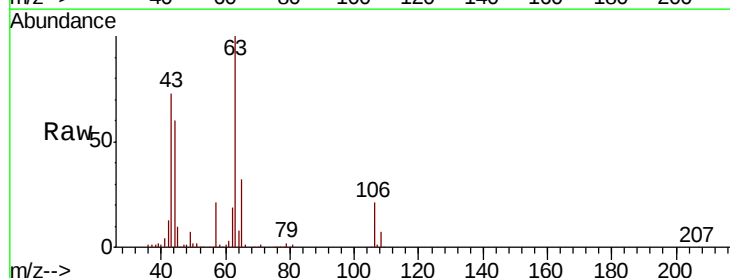
Acq: 28 Nov 2018 14:55

Tgt Ion: 63 Resp: 289933

Ion Ratio Lower Upper

63 100

106 21.4 17.3 25.9



Abundance Ion 62.90 (62.60 to 63.60): VU0

Ion 105.90 (105.60 to 106.60): V

7.12

200000

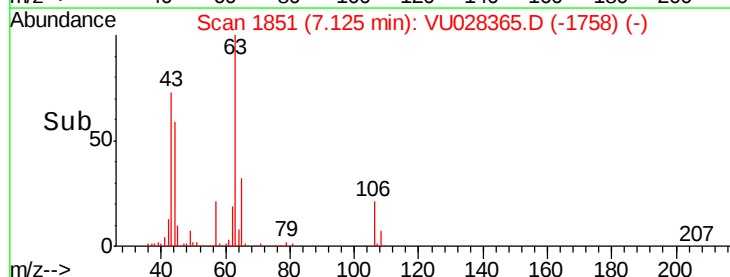
150000

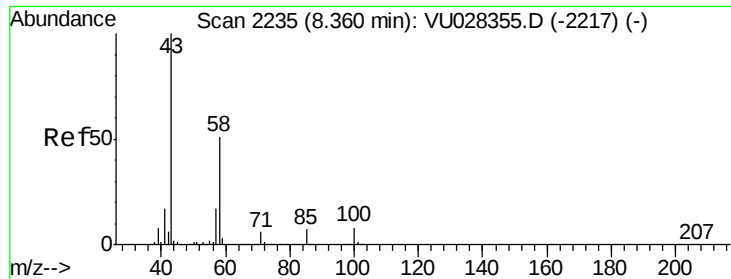
100000

50000

0

Time--> 7.05 7.10 7.15 7.20

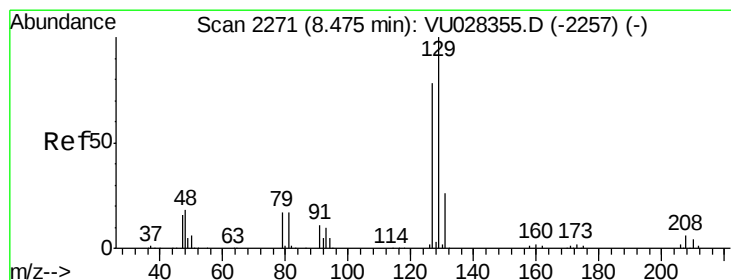
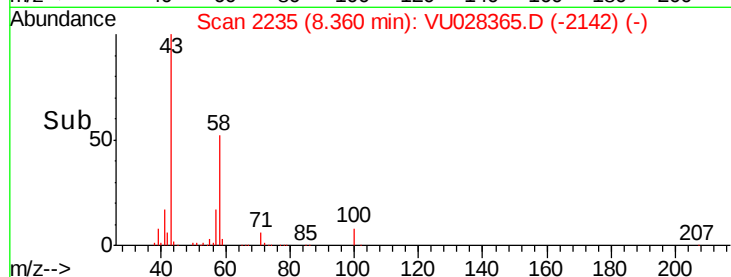
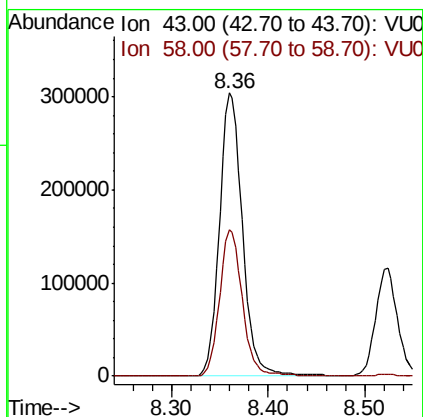
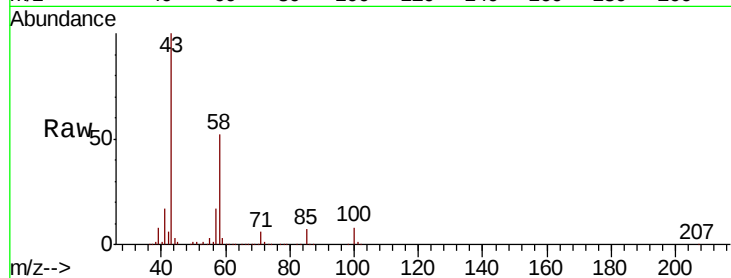




#59
2-Hexanone
Concen: 99.563 ug/l
RT: 8.36 min Scan# 2235
Delta R.T. -0.00 min
Lab File: VU028365.D
Acq: 28 Nov 2018 14:55

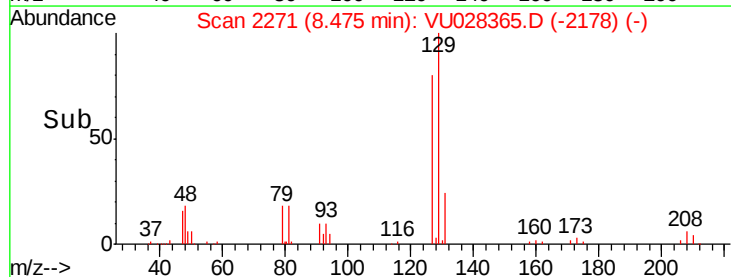
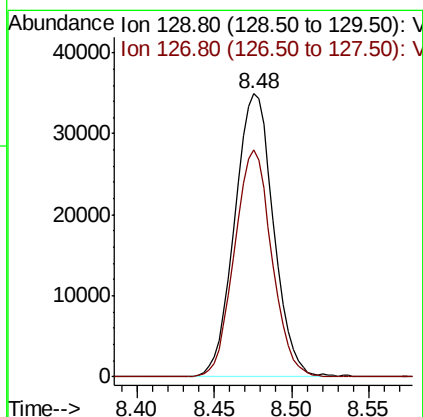
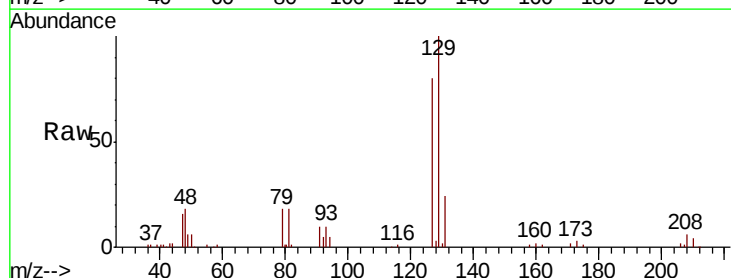
Instrument :
MSVOA_U
ClientSampleId :
VU1128MBS01

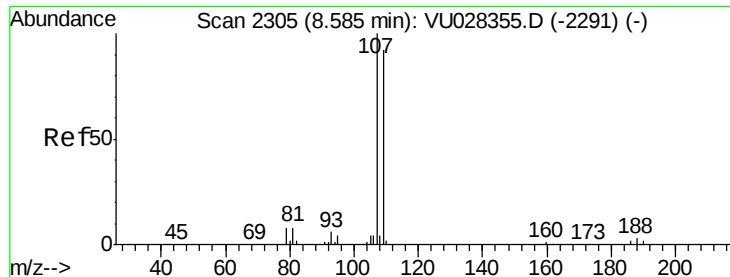
Tot Ion: 43 Resp: 501284
Ion Ratio Lower Upper
43 100
58 51.2 25.5 76.5



#60
Dibromochloromethane
Concen: 19.152 ug/l
RT: 8.48 min Scan# 2271
Delta R.T. -0.00 min
Lab File: VU028365.D
Acq: 28 Nov 2018 14:55

Tgt Ion: 129 Resp: 60932
Ion Ratio Lower Upper
129 100
127 76.9 38.9 116.7





#61

1,2-Dibromoethane

Concen: 19.965 ug/l

RT: 8.58 min Scan# 2305

Delta R.T. -0.00 min

Lab File: VU028365.D

Acq: 28 Nov 2018 14:55

Instrument :

MSVOA_U

ClientSampleId :

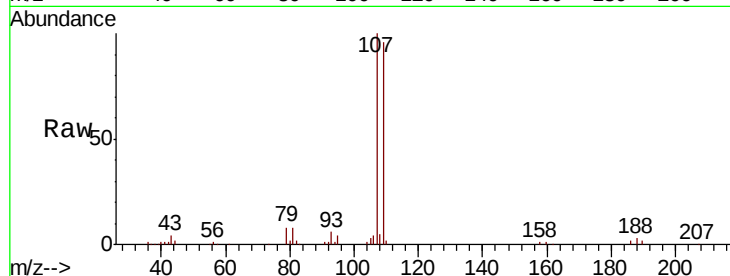
VU1128MBS01

Tot Ion:107 Resp: 68402

Ion Ratio Lower Upper

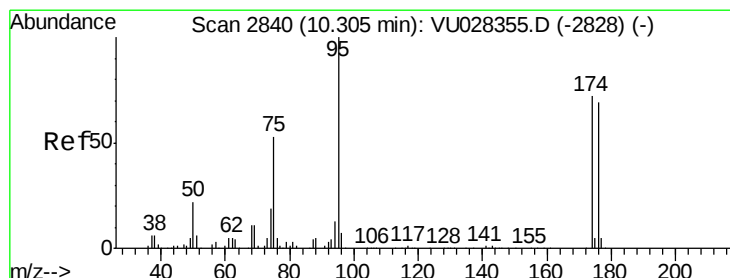
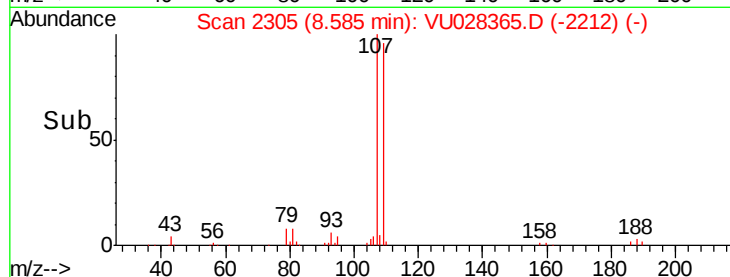
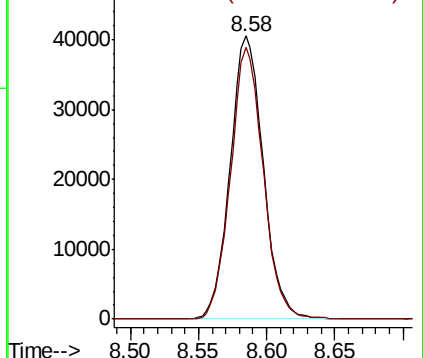
107 100

109 94.6 73.2 109.8



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V



#62

4-Bromofluorobenzene

Concen: 47.068 ug/l

RT: 10.30 min Scan# 2840

Delta R.T. -0.00 min

Lab File: VU028365.D

Acq: 28 Nov 2018 14:55

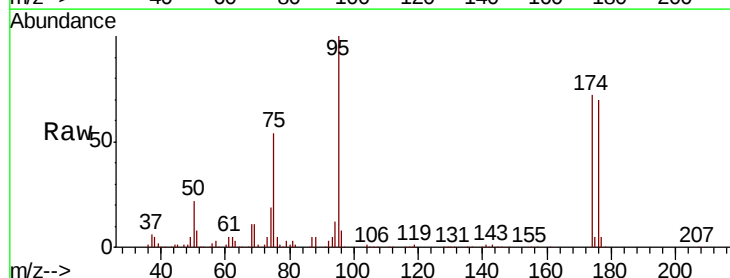
Tgt Ion: 95 Resp: 194293

Ion Ratio Lower Upper

95 100

174 73.1 0.0 145.4

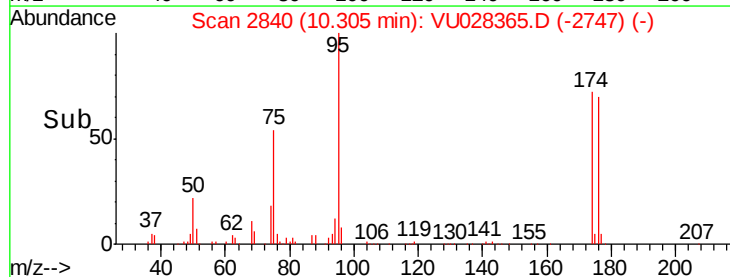
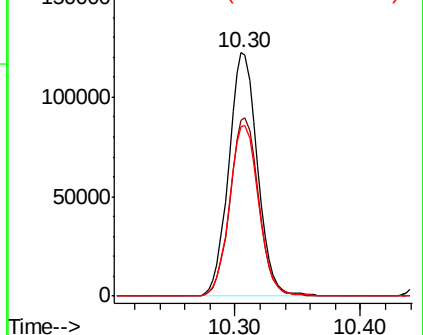
176 71.6 0.0 140.8

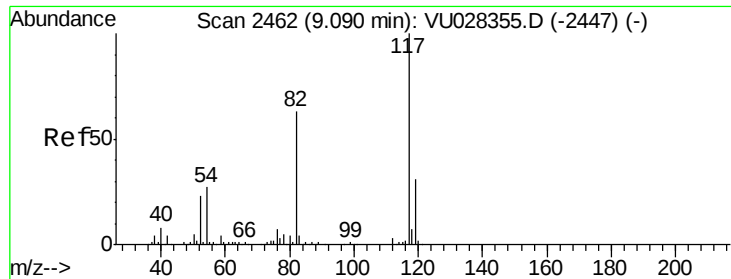


Abundance Ion 94.90 (94.60 to 95.60): VU0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

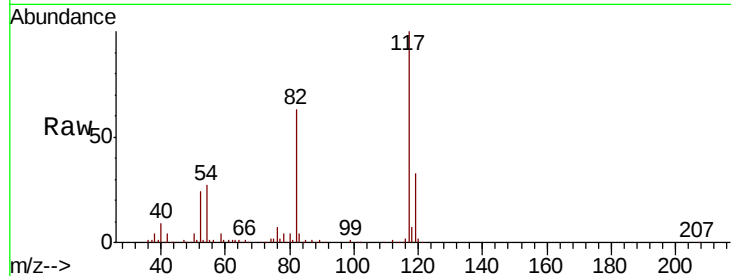




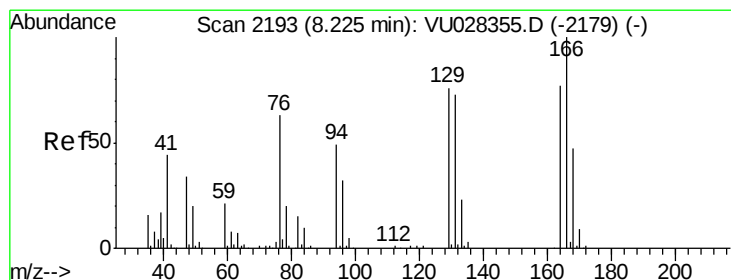
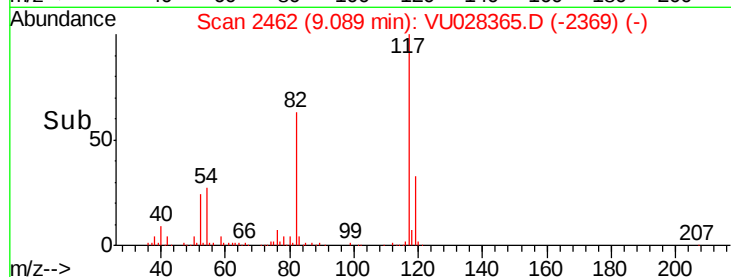
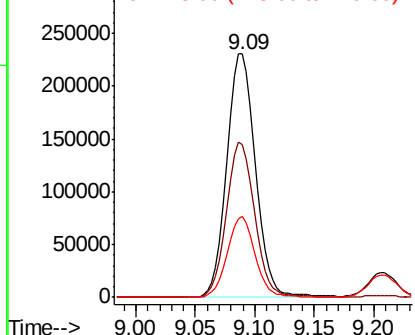
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.09 min Scan# 2462
Delta R.T. -0.00 min
Lab File: VU028365.D
Acq: 28 Nov 2018 14:55

Instrument :
MSVOA_U
ClientSampleId :
VU1128MBS01

Tot Ion:117 Resp: 388139
Ion Ratio Lower Upper
117 100
82 62.8 50.3 75.5
119 33.2 24.8 37.2

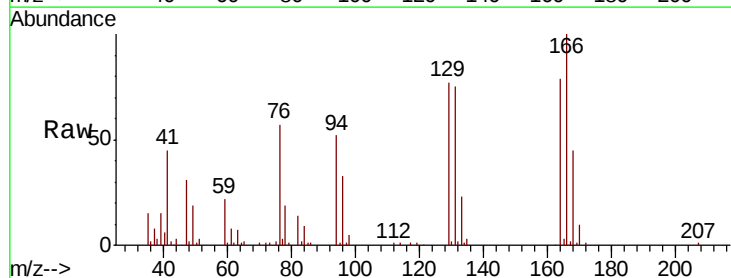


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): V
Ion 118.90 (118.60 to 119.60): V

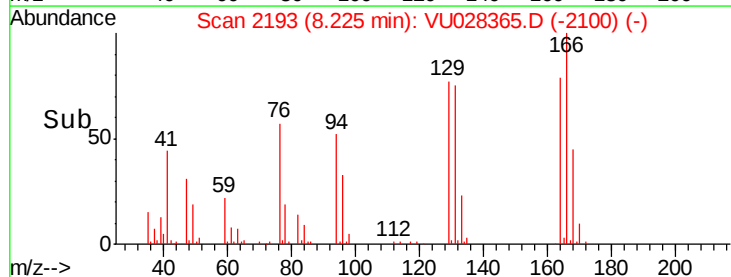
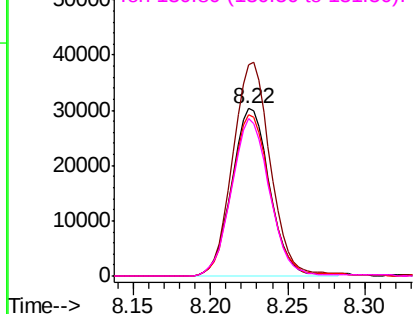


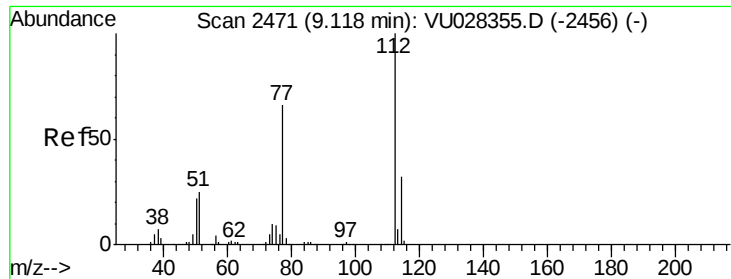
#64
Tetrachloroethene
Concen: 20.263 ug/l
RT: 8.22 min Scan# 2193
Delta R.T. -0.00 min
Lab File: VU028365.D
Acq: 28 Nov 2018 14:55

Tgt Ion:164 Resp: 51735
Ion Ratio Lower Upper
164 100
166 125.9 104.0 156.0
129 96.5 79.2 118.8
131 93.8 75.7 113.5



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

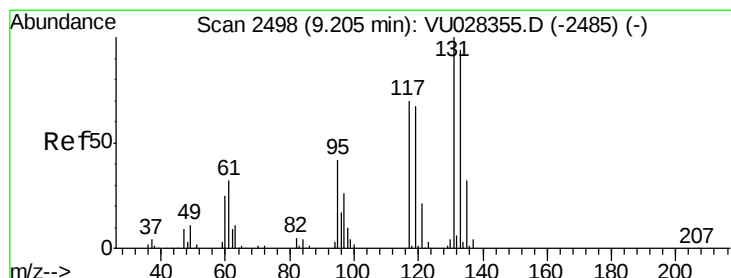
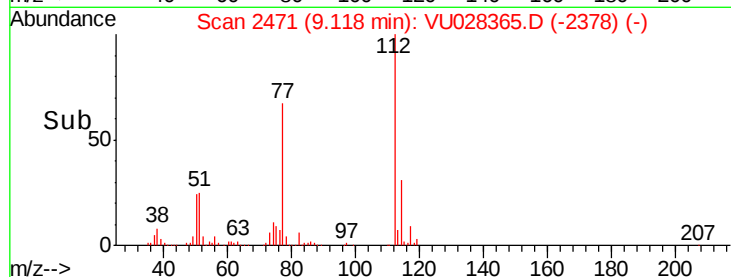
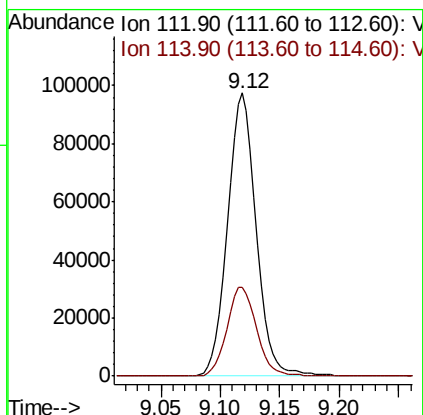
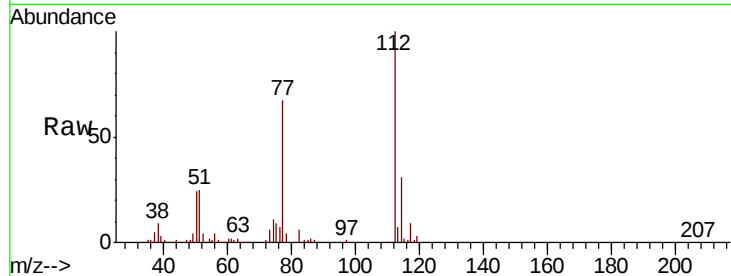




#65
Chlorobenzene
Concen: 20.144 ug/l
RT: 9.12 min Scan# 2471
Delta R.T. -0.00 min
Lab File: VU028365.D
Acq: 28 Nov 2018 14:55

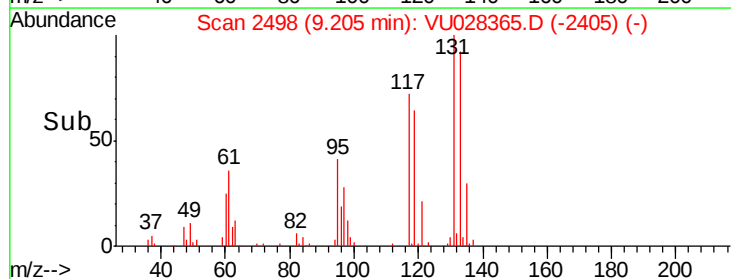
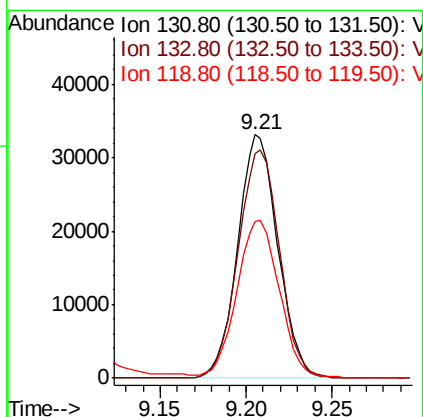
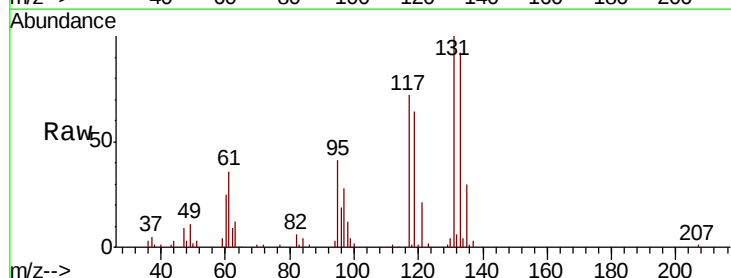
Instrument :
MSVOA_U
ClientSampleId :
VU1128MBS01

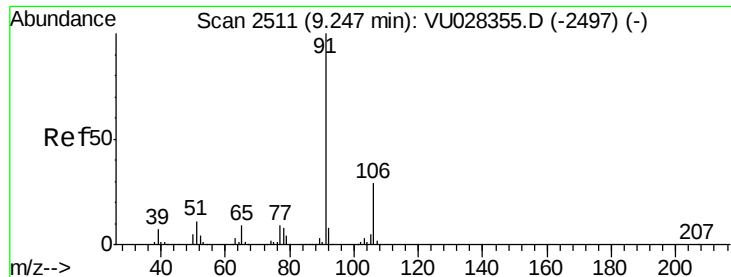
Tot Ion:112 Resp: 162352
Ion Ratio Lower Upper
112 100
114 31.3 25.7 38.5



#66
1,1,1,2-Tetrachloroethane
Concen: 19.487 ug/l
RT: 9.21 min Scan# 2498
Delta R.T. -0.00 min
Lab File: VU028365.D
Acq: 28 Nov 2018 14:55

Tgt Ion:131 Resp: 53835
Ion Ratio Lower Upper
131 100
133 96.6 47.3 141.8
119 68.8 34.1 102.2





#67

Ethyl Benzene

Concen: 19.936 ug/l

RT: 9.25 min Scan# 2512

Delta R.T. 0.00 min

Lab File: VU028365.D

Acq: 28 Nov 2018 14:55

Instrument :

MSVOA_U

ClientSampleId :

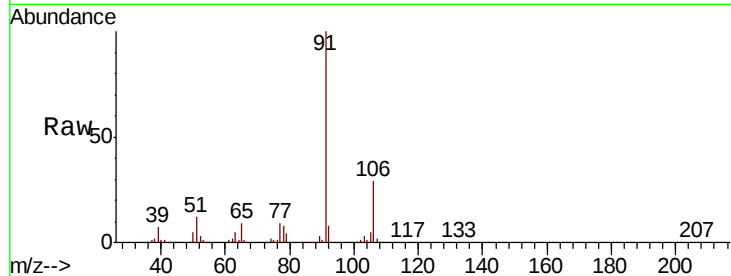
VU1128MBS01

Tot Ion: 91 Resp: 302618

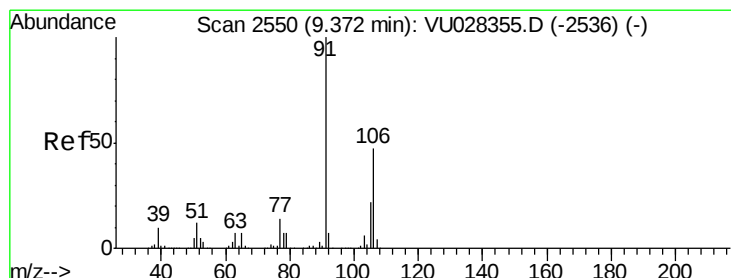
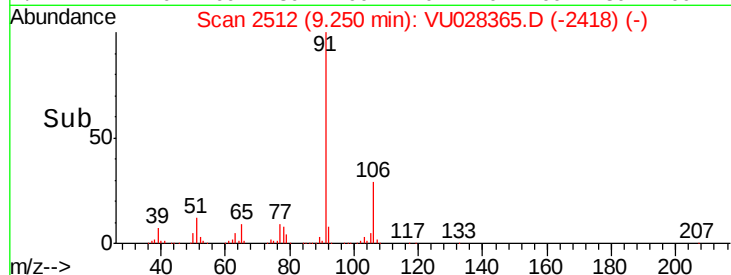
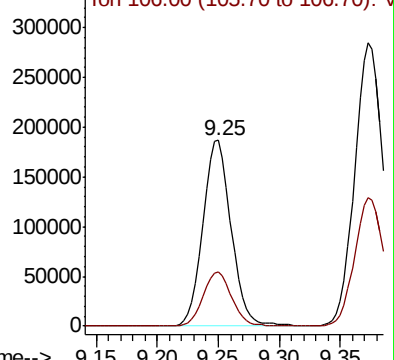
Ion Ratio Lower Upper

91 100

106 29.2 23.3 34.9



Abundance Ion 91.00 (90.70 to 91.70): VU028355.D (-2497) (-)



#68

m/p-Xylenes

Concen: 39.851 ug/l

RT: 9.37 min Scan# 2550

Delta R.T. -0.00 min

Lab File: VU028365.D

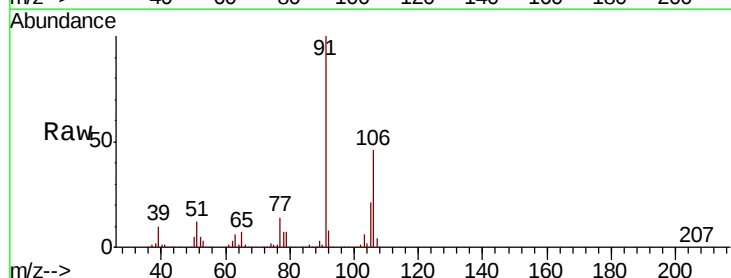
Acq: 28 Nov 2018 14:55

Tgt Ion: 106 Resp: 217729

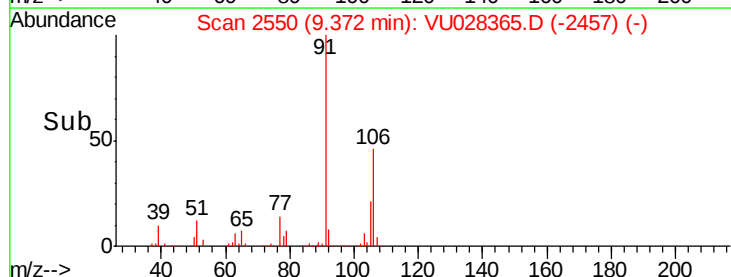
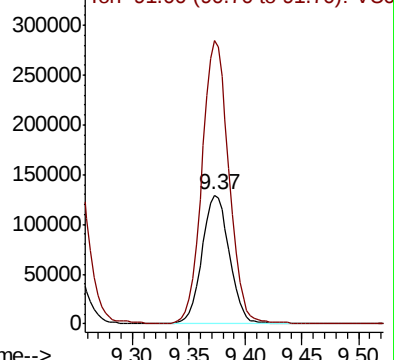
Ion Ratio Lower Upper

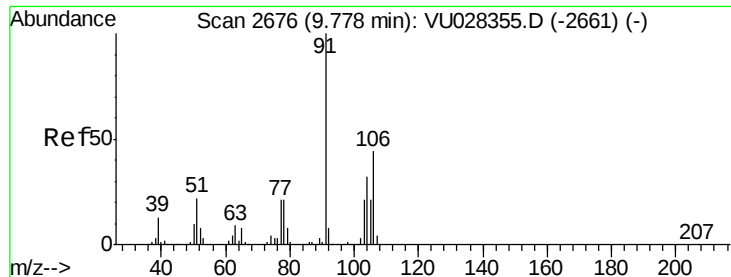
106 100

91 216.9 171.0 256.6



Abundance Ion 106.00 (105.70 to 106.70): VU028355.D (-2536) (-)

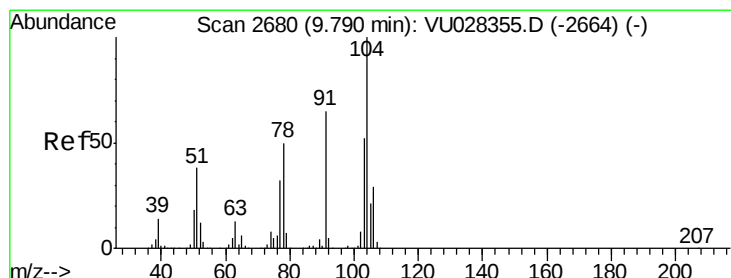
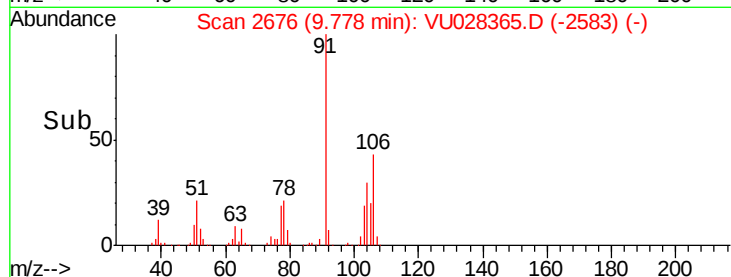
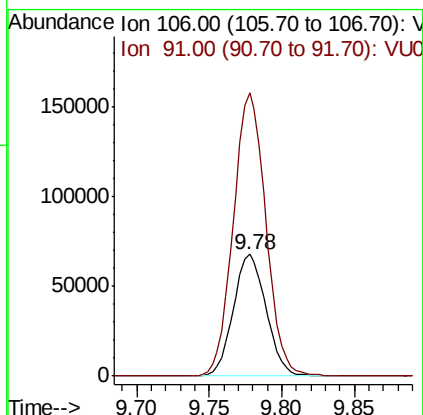
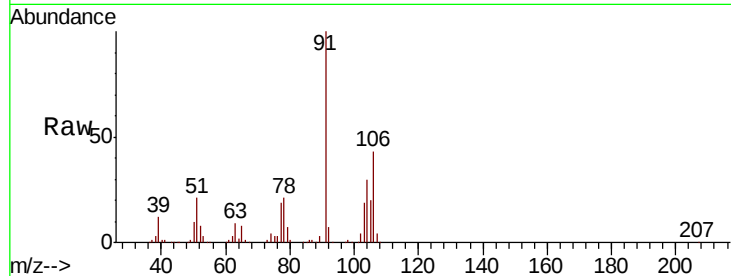




#69
o-Xylene
Concen: 19.653 ug/l
RT: 9.78 min Scan# 2676
Delta R.T. -0.00 min
Lab File: VU028365.D
Acq: 28 Nov 2018 14:55

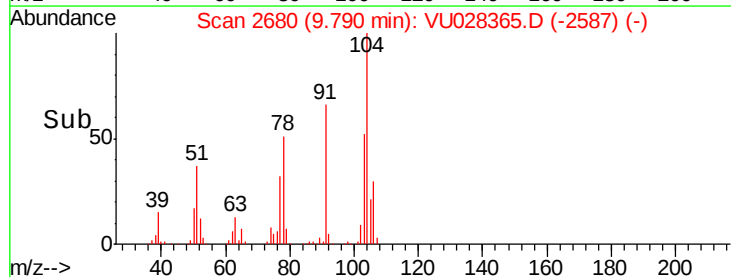
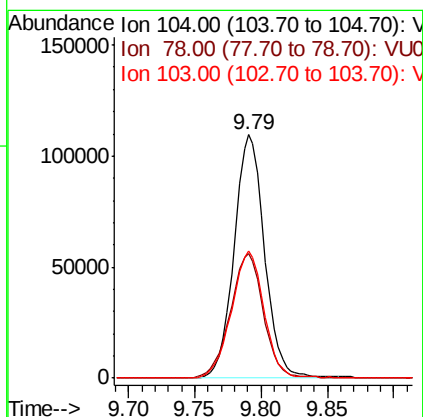
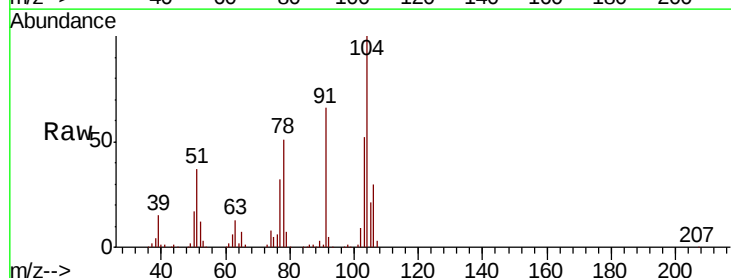
Instrument :
MSVOA_U
ClientSampleId :
VU1128MBS01

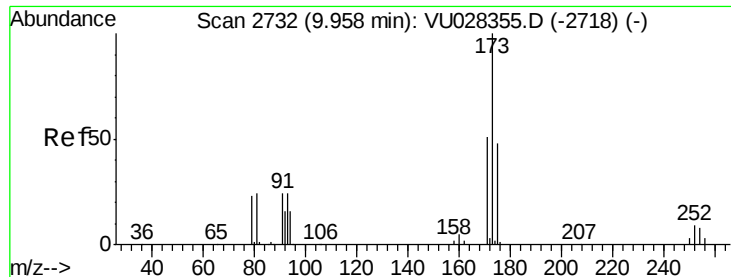
Tot Ion:106 Resp: 106739
Ion Ratio Lower Upper
106 100
91 230.8 112.7 338.0



#70
Styrene
Concen: 19.945 ug/l
RT: 9.79 min Scan# 2680
Delta R.T. -0.00 min
Lab File: VU028365.D
Acq: 28 Nov 2018 14:55

Tgt Ion:104 Resp: 174707
Ion Ratio Lower Upper
104 100
78 55.8 43.3 64.9
103 56.0 44.8 67.2





#71

Bromoform

Concen: 19.004 ug/l

RT: 9.96 min Scan# 2732

Delta R.T. -0.00 min

Lab File: VU028365.D

Acq: 28 Nov 2018 14:55

Instrument :

MSVOA_U

ClientSampleId :

VU1128MBS01

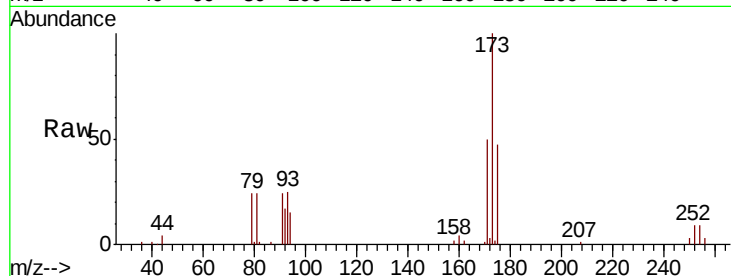
Tot Ion:173 Resp: 44127

Ion Ratio Lower Upper

173 100

175 48.7 24.1 72.4

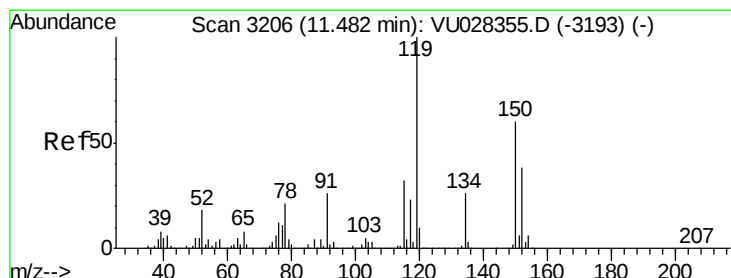
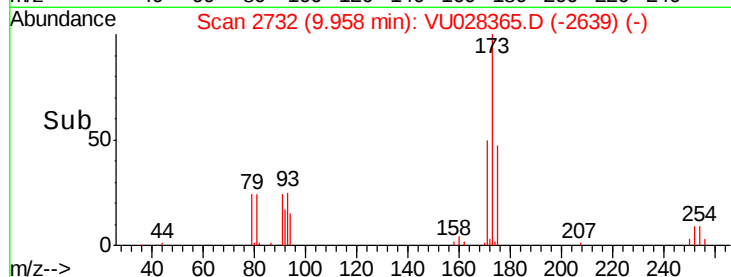
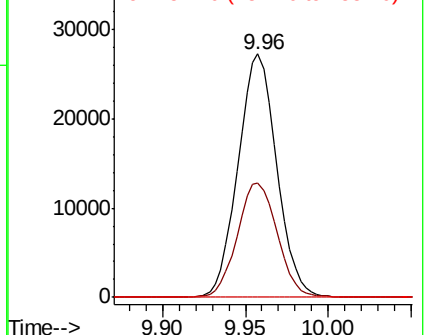
254 0.0 0.0 0.0



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: VU028365.D

Acq: 28 Nov 2018 14:55

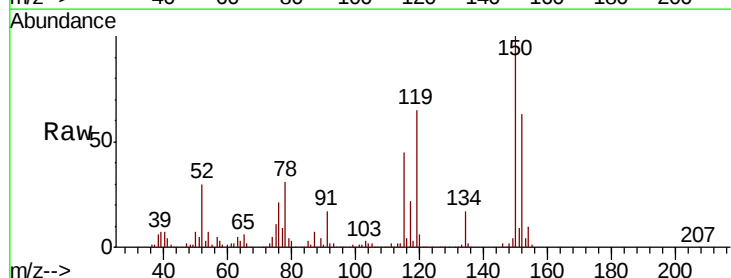
Tgt Ion:152 Resp: 174750

Ion Ratio Lower Upper

152 100

115 73.8 45.0 134.8

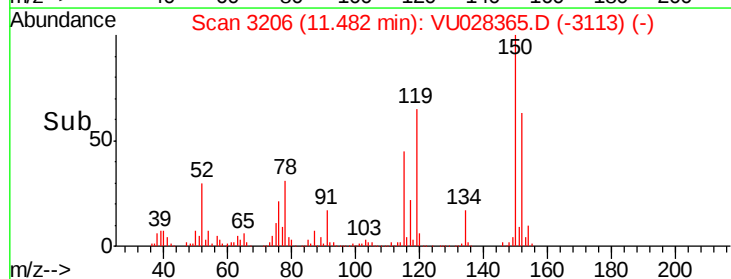
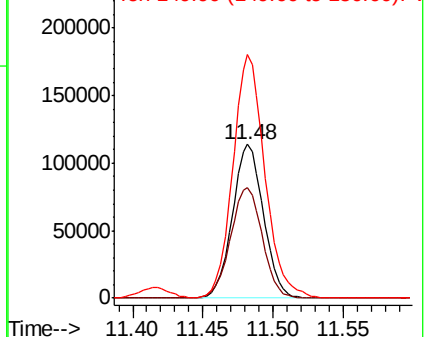
150 163.2 0.0 349.2

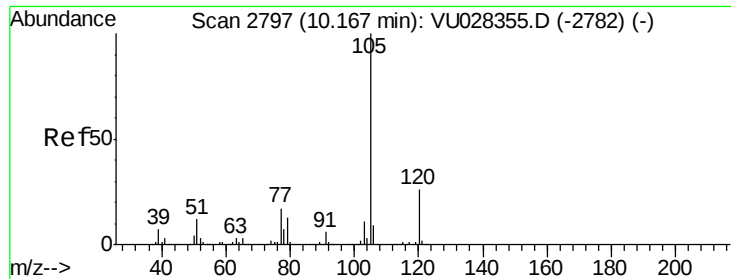


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 21.076 ug/l

RT: 10.16 min Scan# 2796

Delta R.T. -0.00 min

Lab File: VU028365.D

Acq: 28 Nov 2018 14:55

Instrument :

MSVOA_U

ClientSampleId :

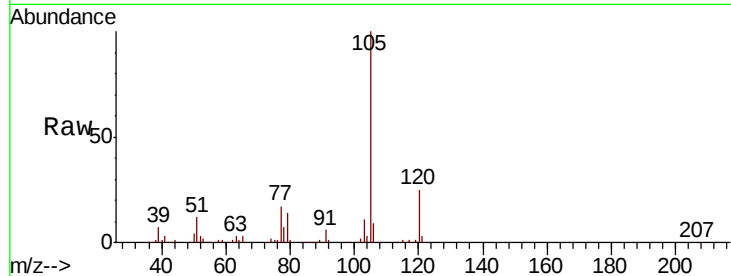
VU1128MBS01

Tot Ion:105 Resp: 286452

Ion Ratio Lower Upper

105 100

120 25.6 12.8 38.3



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

10.16

200000

150000

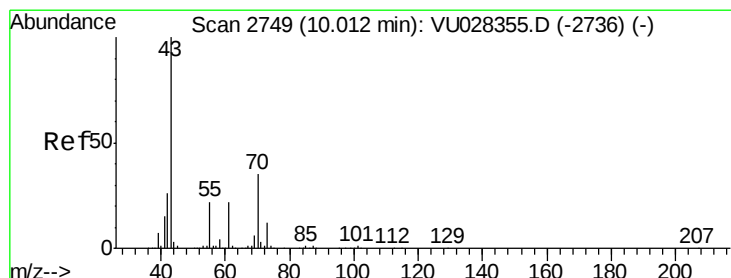
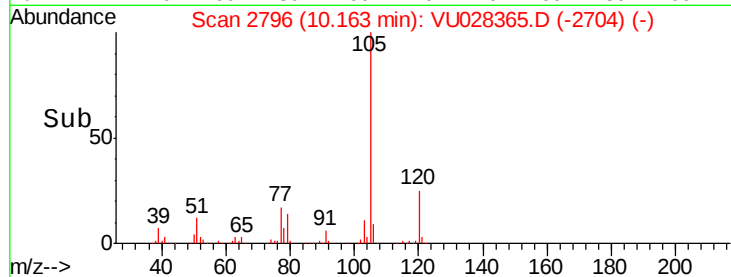
100000

50000

0

Time-->

10.10 10.20



#74

N-ethyl acetate

Concen: 20.720 ug/l

RT: 10.01 min Scan# 2749

Delta R.T. -0.00 min

Lab File: VU028365.D

Acq: 28 Nov 2018 14:55

Tgt Ion: 43 Resp: 176438

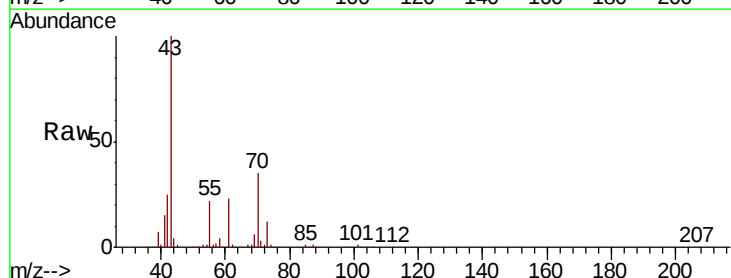
Ion Ratio Lower Upper

43 100

70 35.1 28.4 42.6

55 23.0 18.0 27.0

61 22.3 17.6 26.4



Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 70.00 (69.70 to 70.70): VU0

Ion 55.00 (54.70 to 55.70): VU0

Ion 61.00 (60.70 to 61.70): VU0

10.01

150000

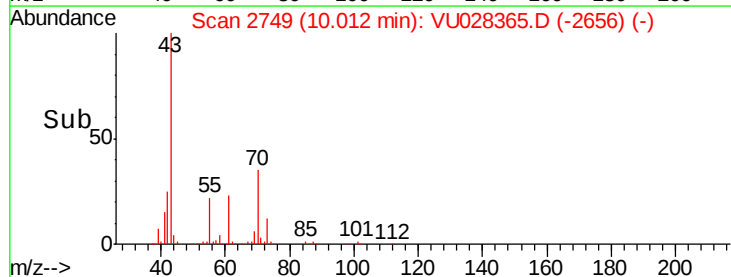
100000

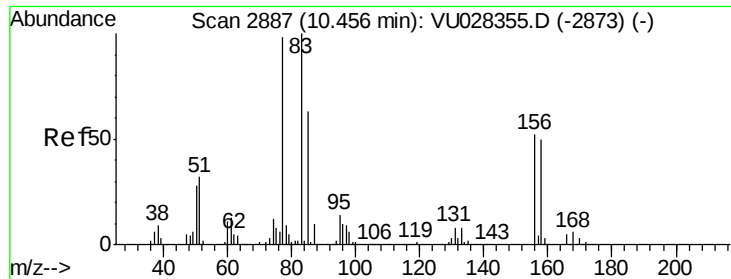
50000

0

Time-->

10.00 10.10





#75

1,1,2,2-Tetrachloroethane

Concen: 21.309 ug/l

RT: 10.46 min Scan# 2887

Delta R.T. -0.00 min

Lab File: VU028365.D

Acq: 28 Nov 2018 14:55

Instrument :

MSVOA_U

ClientSampleId :

VU1128MBS01

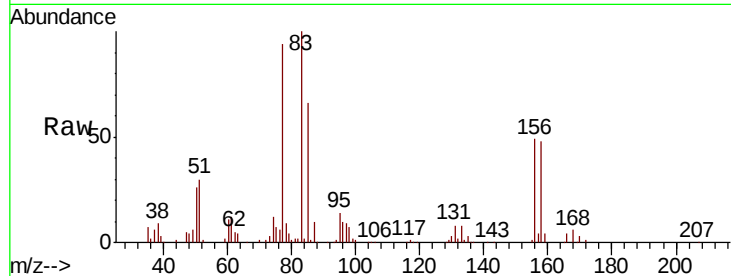
Tot Ion: 83 Resp: 119095

Ion Ratio Lower Upper

83 100

131 8.0 4.0 12.2

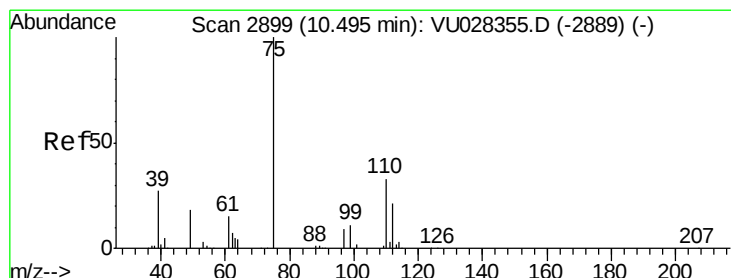
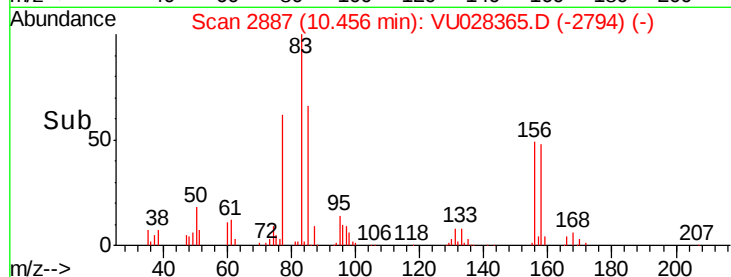
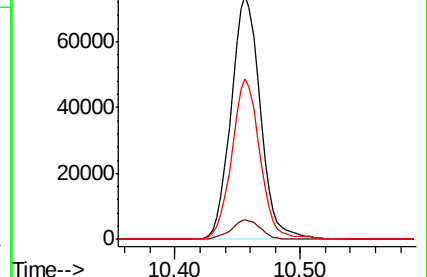
85 64.0 31.8 95.4



Abundance Ion 82.90 (82.60 to 83.60): VU0

Ion 130.80 (130.50 to 131.50): VU0

Ion 84.90 (84.60 to 85.60): VU0



#76

1,2,3-Trichloropropane

Concen: 28.896 ug/l

RT: 10.49 min Scan# 2899

Delta R.T. -0.00 min

Lab File: VU028365.D

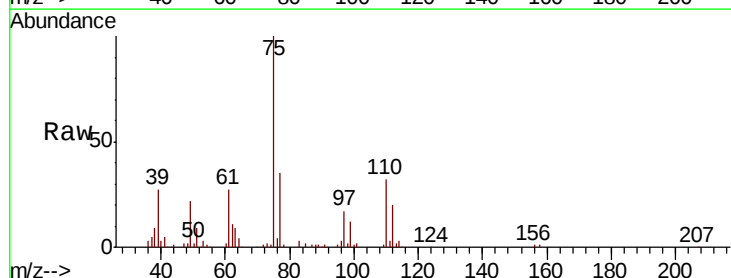
Acq: 28 Nov 2018 14:55

Tgt Ion: 75 Resp: 140027

Ion Ratio Lower Upper

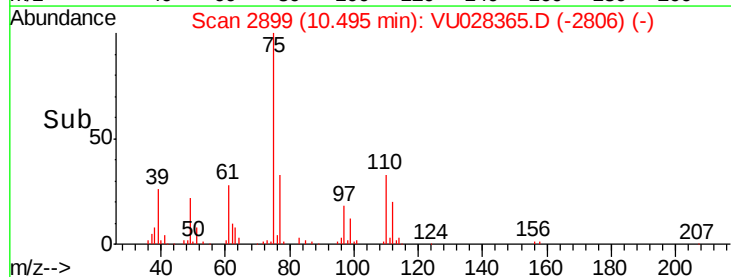
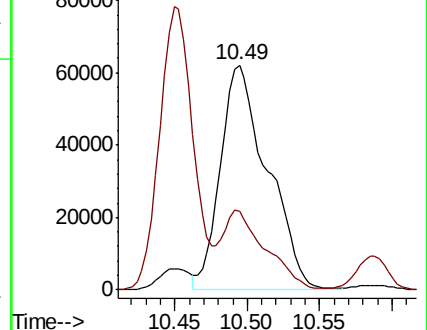
75 100

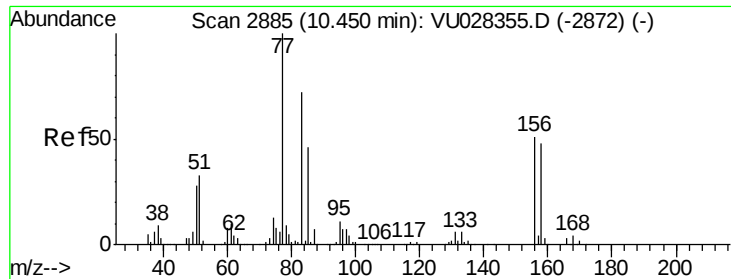
77 31.7 22.4 67.0



Abundance Ion 74.90 (74.60 to 75.60): VU0

Ion 77.00 (76.70 to 77.70): VU0





#77

Bromobenzene

Concen: 20.179 ug/l

RT: 10.45 min Scan# 2886

Delta R.T. 0.00 min

Lab File: VU028365.D

Acq: 28 Nov 2018 14:55

Instrument :

MSVOA_U

ClientSampleId :

VU1128MBS01

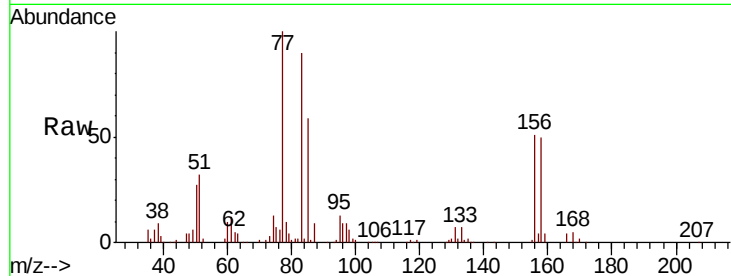
Tot Ion:156 Resp: 64624

Ion Ratio Lower Upper

156 100

77 193.9 97.0 290.9

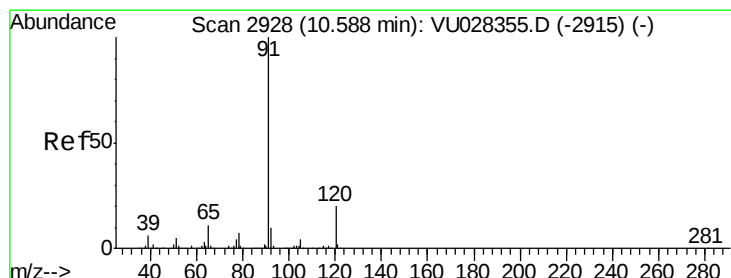
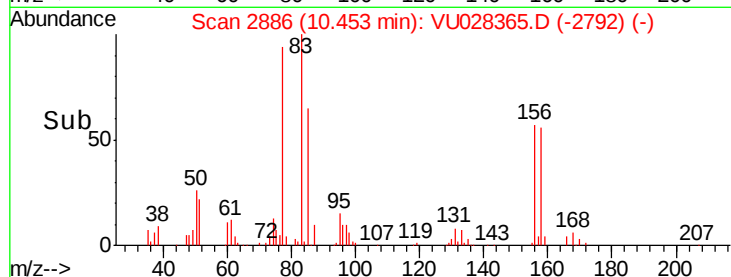
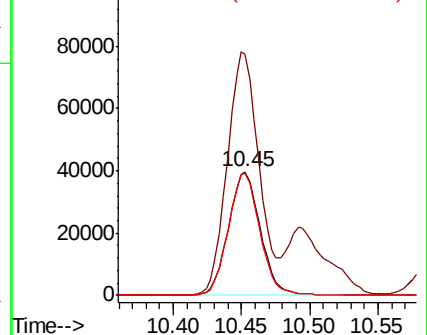
158 97.4 46.8 140.4



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: 20.825 ug/l

RT: 10.58 min Scan# 2927

Delta R.T. -0.00 min

Lab File: VU028365.D

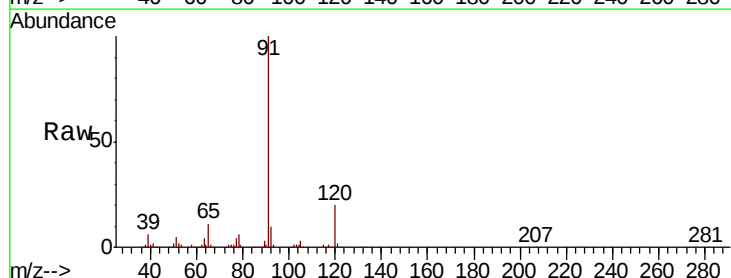
Acq: 28 Nov 2018 14:55

Tgt Ion: 91 Resp: 349168

Ion Ratio Lower Upper

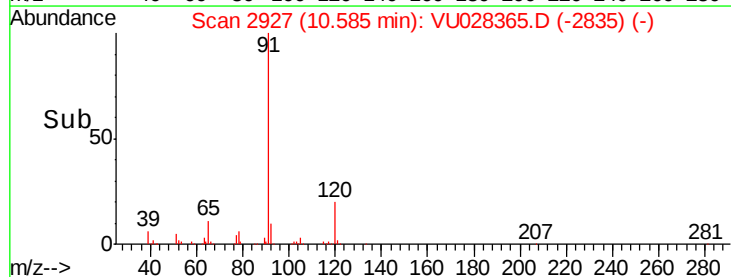
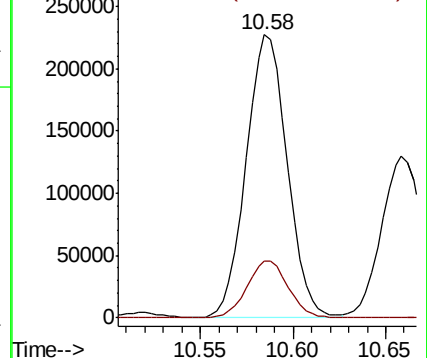
91 100

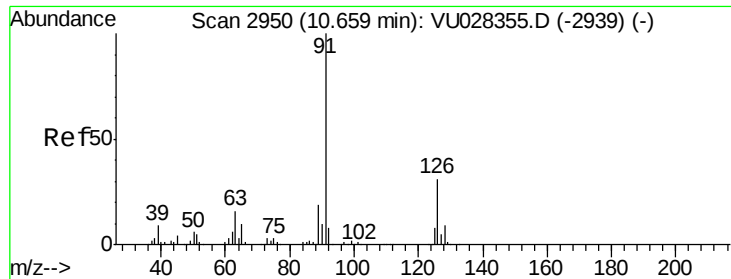
120 20.3 10.3 30.8



Abundance Ion 91.00 (90.70 to 91.70): VU0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 20.710 ug/l

RT: 10.66 min Scan# 2950

Delta R.T. -0.00 min

Lab File: VU028365.D

Acq: 28 Nov 2018 14:55

Instrument :

MSVOA_U

ClientSampleId :

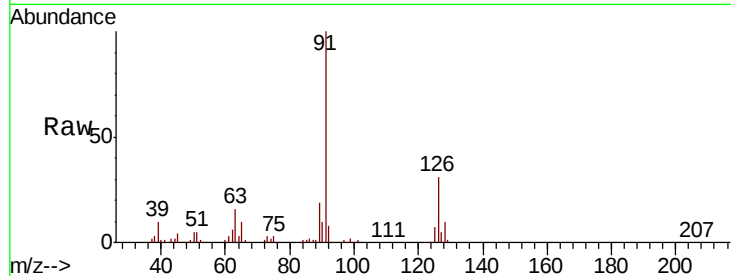
VU1128MBS01

Tot Ion: 91 Resp: 204700

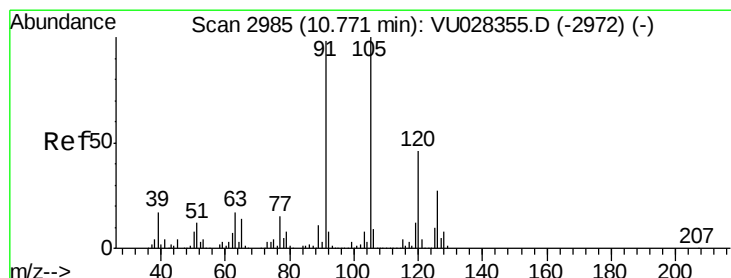
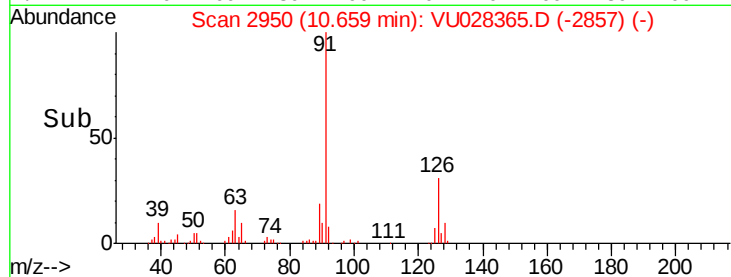
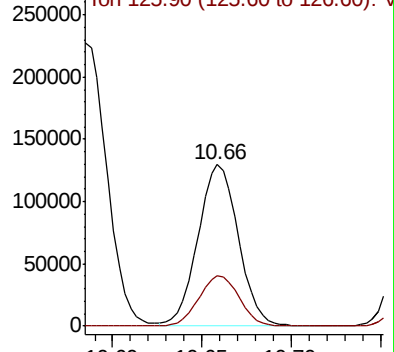
Ion Ratio Lower Upper

91 100

126 31.4 15.4 46.1



Abundance Ion 91.00 (90.70 to 91.70): VU028355.D (-2939) (-)



#80

1,3,5-Trimethylbenzene

Concen: 20.935 ug/l

RT: 10.77 min Scan# 2985

Delta R.T. -0.00 min

Lab File: VU028365.D

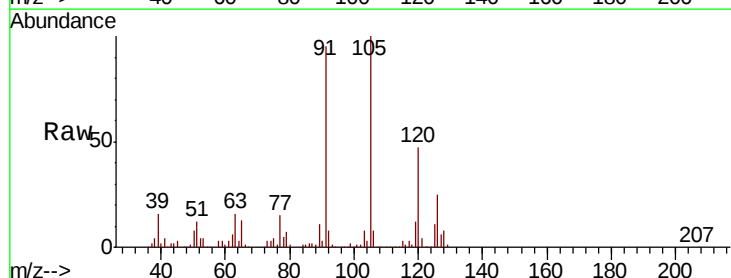
Acq: 28 Nov 2018 14:55

Tgt Ion: 105 Resp: 239778

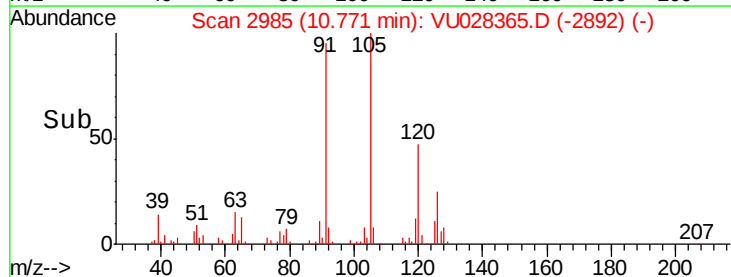
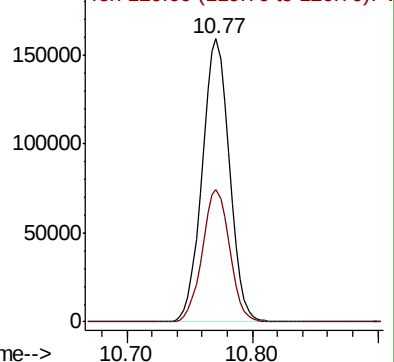
Ion Ratio Lower Upper

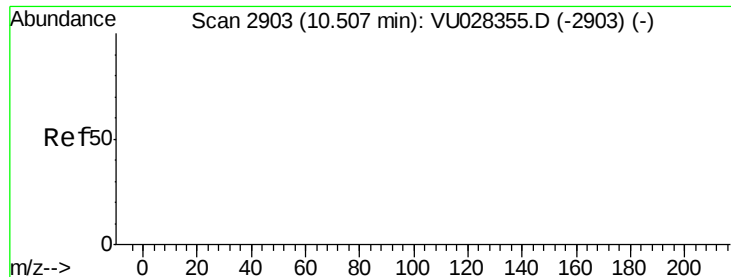
105 100

120 46.8 23.4 70.0



Abundance Ion 105.00 (104.70 to 105.70): VU028355.D (-2972) (-)

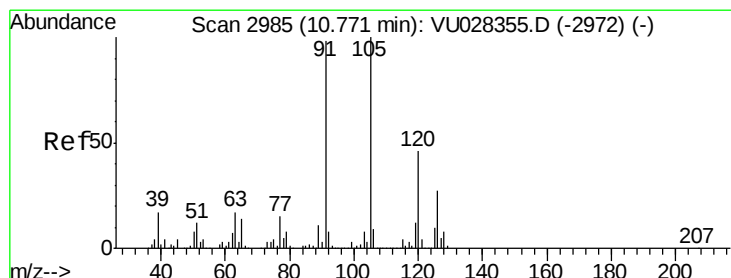
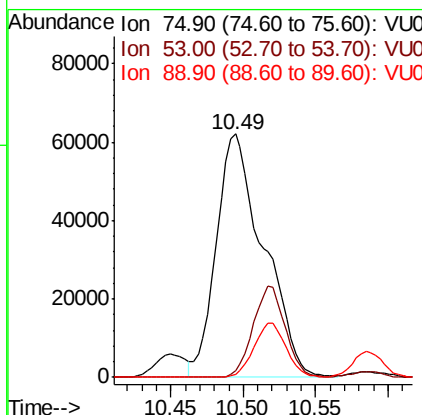
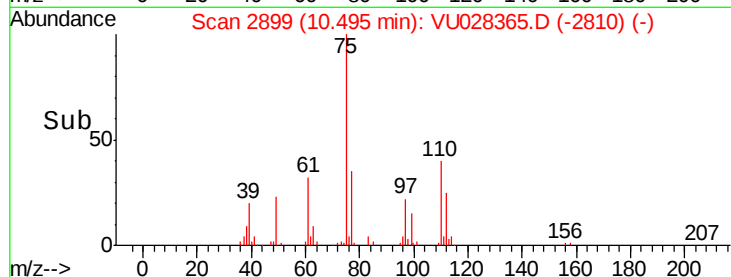
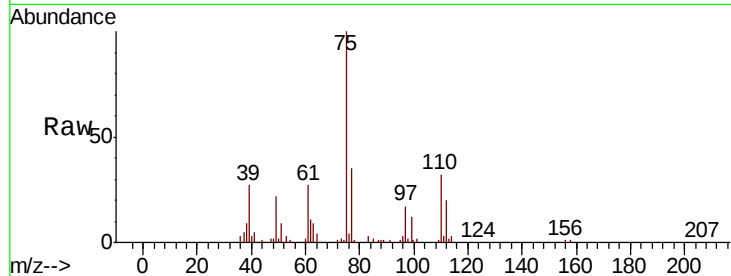




#81
trans-1,4-Dichloro-2-butene
Concen: 76.703 ug/l
RT: 10.49 min Scan# 2899
Delta R.T. -0.01 min
Lab File: VU028365.D
Acq: 28 Nov 2018 14:55

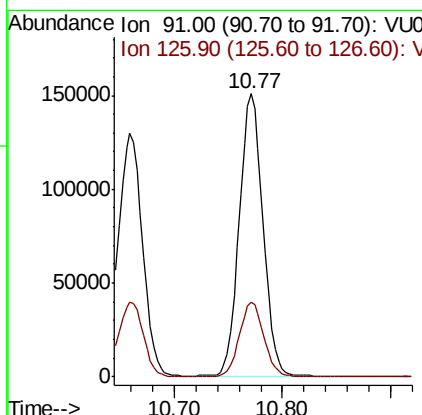
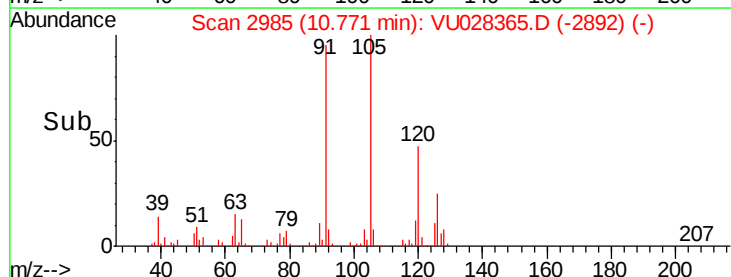
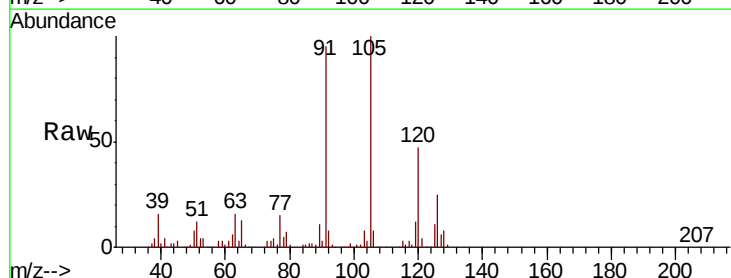
Instrument :
MSVOA_U
ClientSampleId :
VU1128MBS01

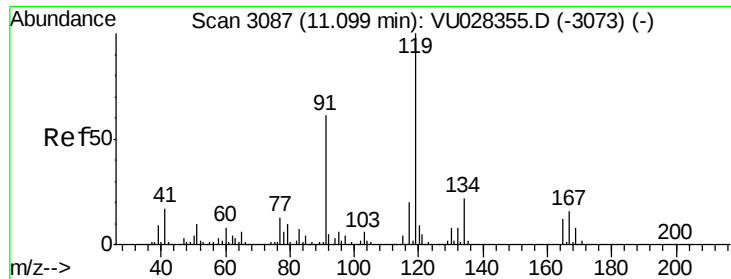
Tot Ion: 75 Resp: 140027
Ion Ratio Lower Upper
75 100
53 0.0 0.0 0.0
89 0.0 0.0 0.0



#82
4-Chlorotoluene
Concen: 20.403 ug/l
RT: 10.77 min Scan# 2985
Delta R.T. -0.00 min
Lab File: VU028365.D
Acq: 28 Nov 2018 14:55

Tgt Ion: 91 Resp: 232346
Ion Ratio Lower Upper
91 100
126 27.1 13.9 41.6

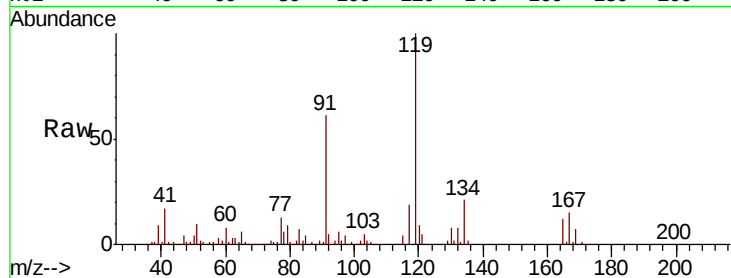




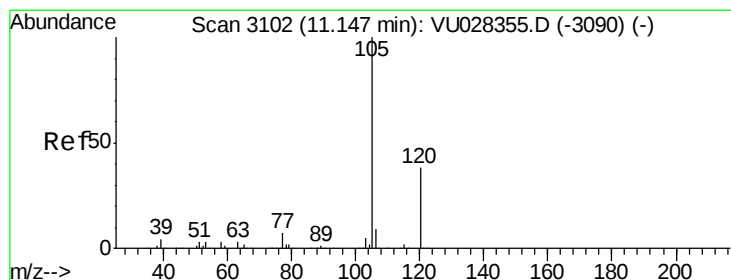
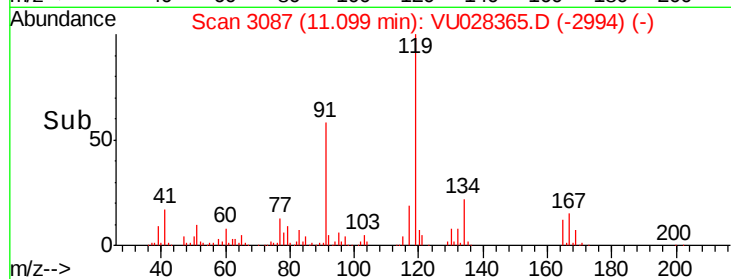
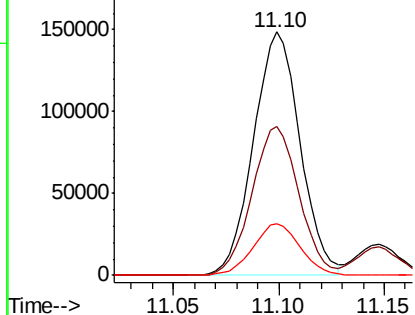
#83
tert-Butylbenzene
Concen: 21.431 ug/l
RT: 11.10 min Scan# 3087
Delta R.T. -0.00 min
Lab File: VU028365.D
Acq: 28 Nov 2018 14:55

Instrument :
MSVOA_U
ClientSampleId :
VU1128MBS01

Tot Ion	Ratio	Lower	Upper
119	100		
91	61.8	30.8	92.4
134	21.4	11.1	33.1

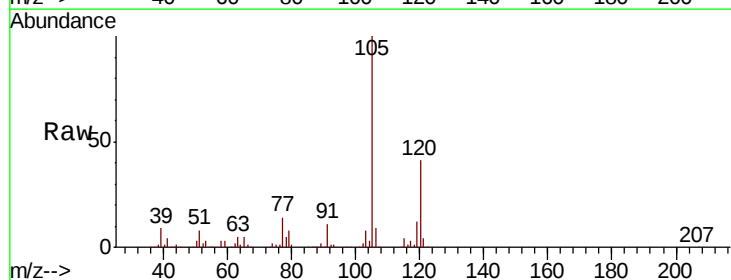


Abundance Ion 119.00 (118.70 to 119.70): V
Ion 91.00 (90.70 to 91.70): V
Ion 134.00 (133.70 to 134.70): V

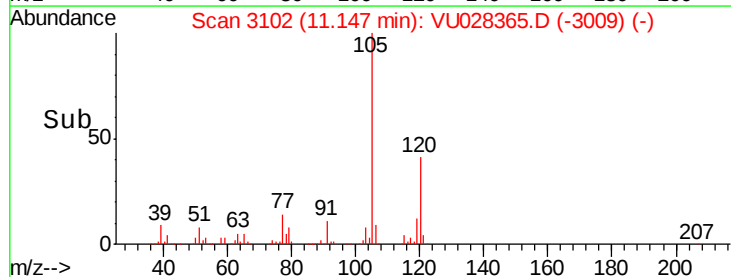
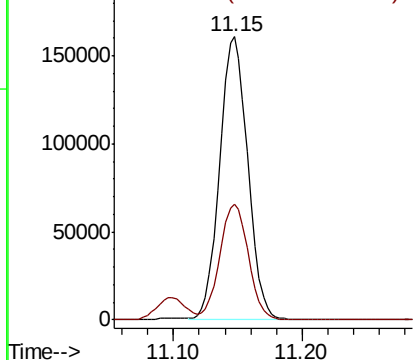


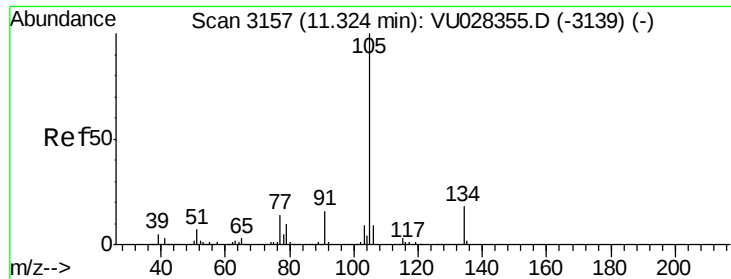
#84
1,2,4-Trimethylbenzene
Concen: 20.867 ug/l
RT: 11.15 min Scan# 3102
Delta R.T. -0.00 min
Lab File: VU028365.D
Acq: 28 Nov 2018 14:55

Tgt Ion	Ratio	Lower	Upper
105	100		
120	41.8	21.4	64.3



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

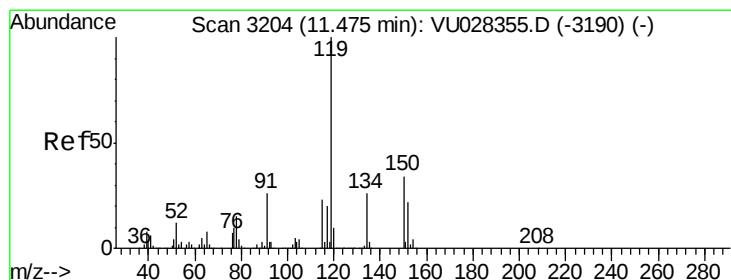
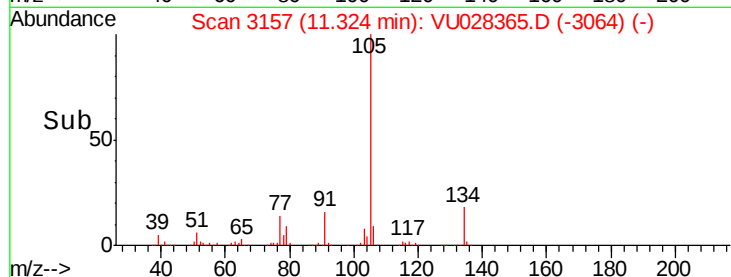
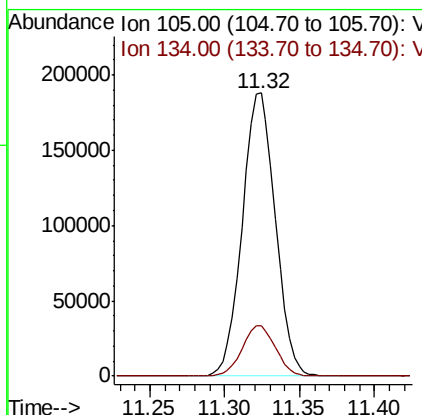
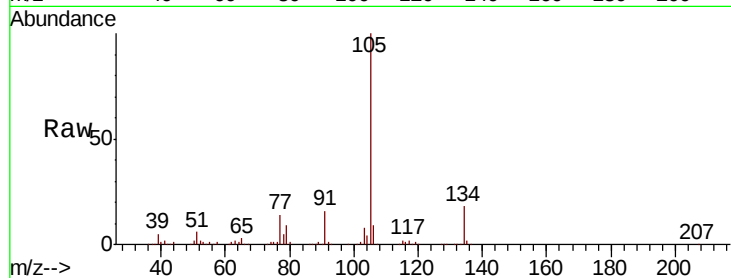




#85
 sec-Butylbenzene
 Concen: 20.835 ug/l
 RT: 11.32 min Scan# 3157
 Delta R.T. -0.00 min
 Lab File: VU028365.D
 Acq: 28 Nov 2018 14:55

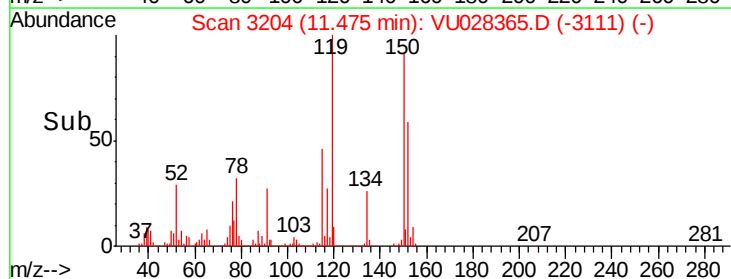
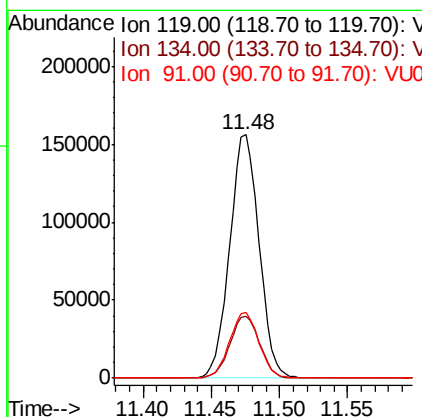
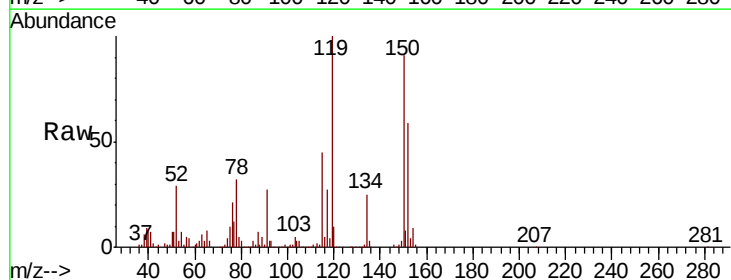
Instrument :
 MSVOA_U
 ClientSampleId :
 VU1128MBS01

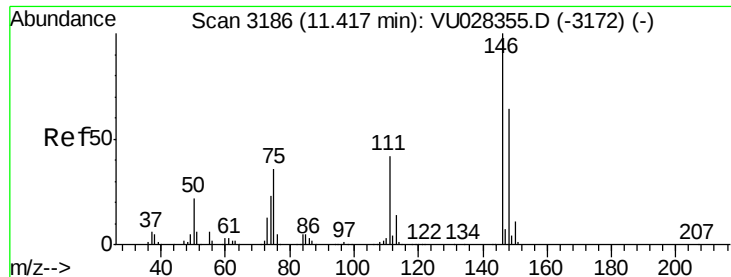
Tot Ion:105 Resp: 288924
 Ion Ratio Lower Upper
 105 100
 134 18.1 9.3 27.7



#86
 p-Isopropyltoluene
 Concen: 20.425 ug/l
 RT: 11.48 min Scan# 3204
 Delta R.T. -0.00 min
 Lab File: VU028365.D
 Acq: 28 Nov 2018 14:55

Tgt Ion:119 Resp: 232891
 Ion Ratio Lower Upper
 119 100
 134 26.0 12.8 38.3
 91 27.1 13.1 39.1





#87

1,3-Dichlorobenzene

Concen: 20.259 ug/l

RT: 11.41 min Scan# 3185

Delta R.T. -0.00 min

Lab File: VU028365.D

Acq: 28 Nov 2018 14:55

Instrument :

MSVOA_U

ClientSampleId :

VU1128MBS01

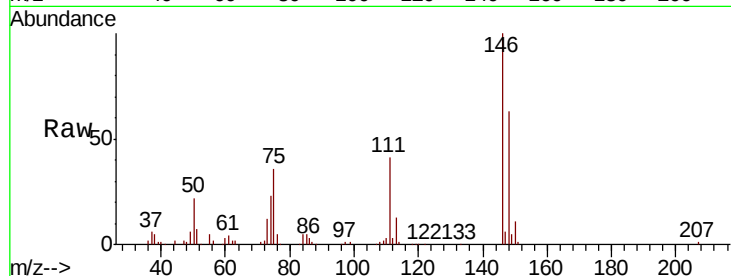
Tot Ion:146 Resp: 118330

Ion Ratio Lower Upper

146 100

111 40.7 20.8 62.4

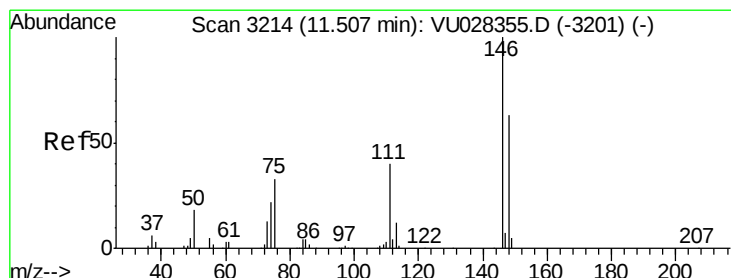
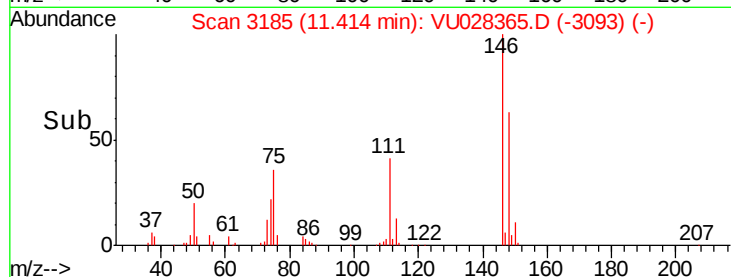
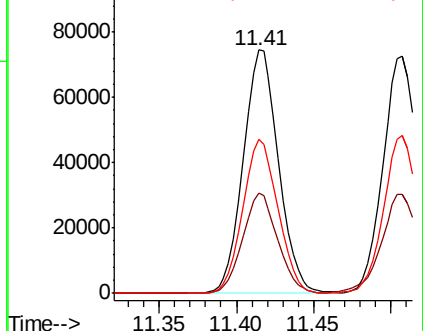
148 62.9 31.8 95.3



Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#88

1,4-Dichlorobenzene

Concen: 19.697 ug/l

RT: 11.51 min Scan# 3214

Delta R.T. -0.00 min

Lab File: VU028365.D

Acq: 28 Nov 2018 14:55

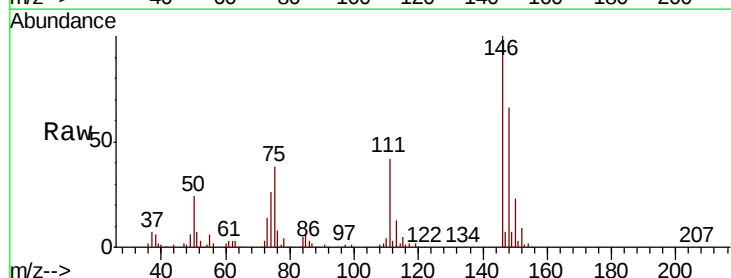
Tgt Ion:146 Resp: 115787

Ion Ratio Lower Upper

146 100

111 42.9 20.6 61.9

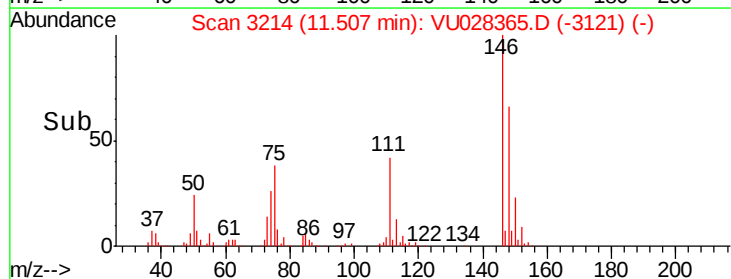
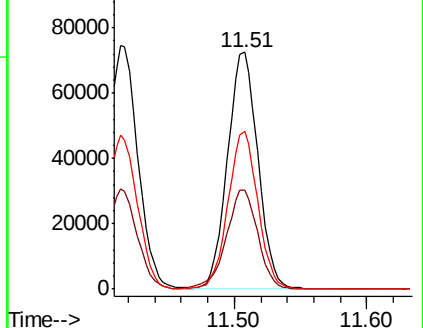
148 64.7 31.1 93.5

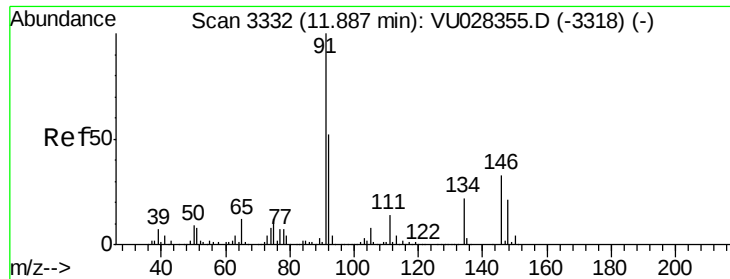


Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V

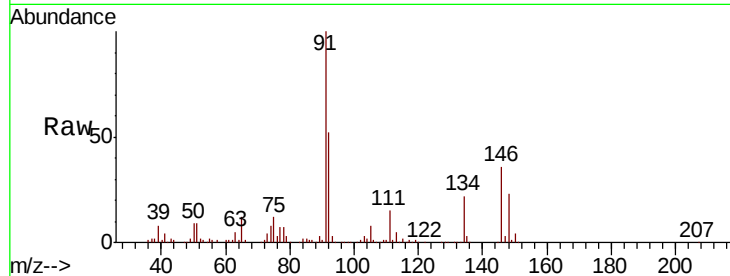




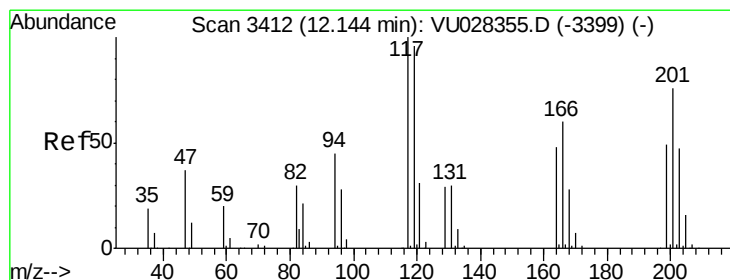
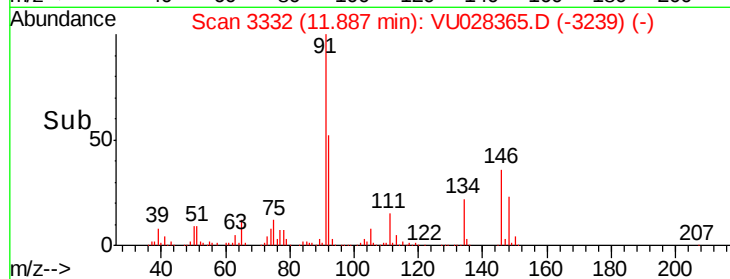
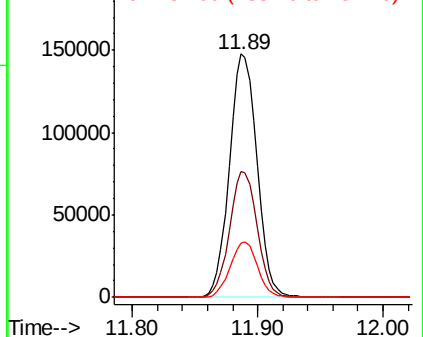
#89
n-Butylbenzene
Concen: 20.024 ug/l
RT: 11.89 min Scan# 3332
Delta R.T. -0.00 min
Lab File: VU028365.D
Acq: 28 Nov 2018 14:55

Instrument :
MSVOA_U
ClientSampleId :
VU1128MBS01

Tot Ion: 91 Resp: 225337
Ion Ratio Lower Upper
91 100
92 51.8 26.2 78.5
134 22.5 11.1 33.1

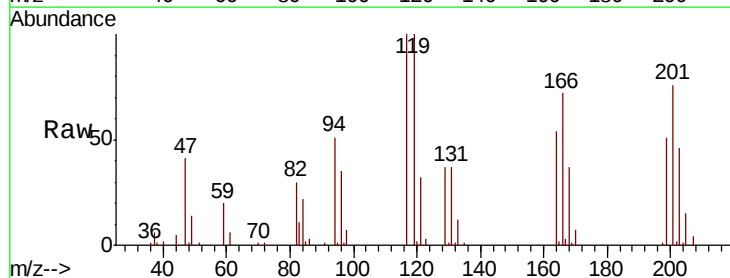


Abundance Ion 91.00 (90.70 to 91.70): VU028365.D (-3318) (-)
Ion 92.00 (91.70 to 92.70): VU028365.D (-3318) (-)
Ion 134.00 (133.70 to 134.70): VU028365.D (-3318) (-)

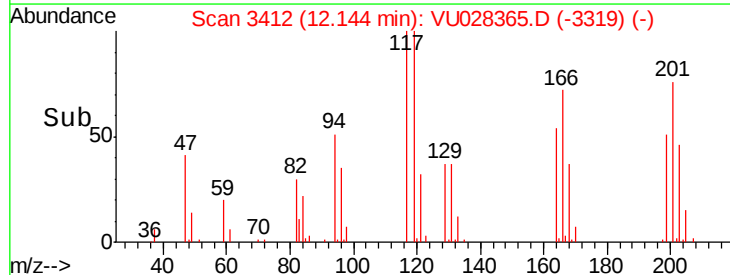
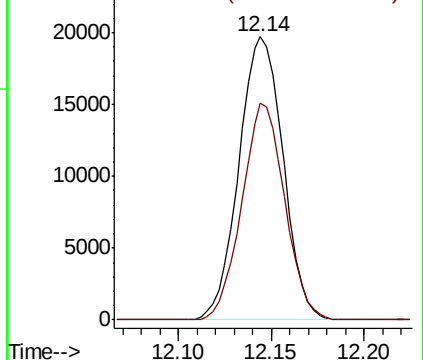


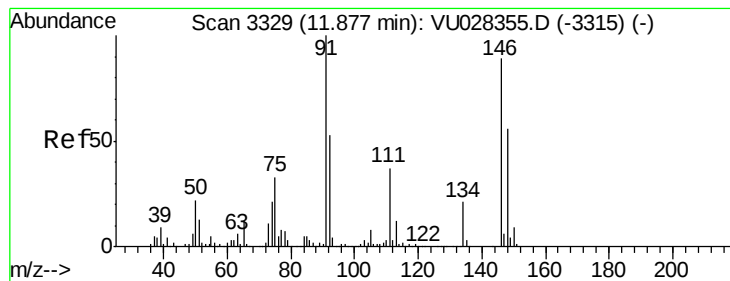
#90
Hexachloroethane
Concen: 18.350 ug/l
RT: 12.14 min Scan# 3412
Delta R.T. -0.00 min
Lab File: VU028365.D
Acq: 28 Nov 2018 14:55

Tgt Ion: 117 Resp: 32666
Ion Ratio Lower Upper
117 100
201 74.2 37.7 113.1



Abundance Ion 116.80 (116.50 to 117.50): VU028365.D (-3399) (-)
Ion 200.70 (200.40 to 201.40): VU028365.D (-3399) (-)





#91

1,2-Dichlorobenzene

Concen: 20.358 ug/l

RT: 11.88 min Scan# 3329

Delta R.T. -0.00 min

Lab File: VU028365.D

Acq: 28 Nov 2018 14:55

Instrument :

MSVOA_U

ClientSampleId :

VU1128MBS01

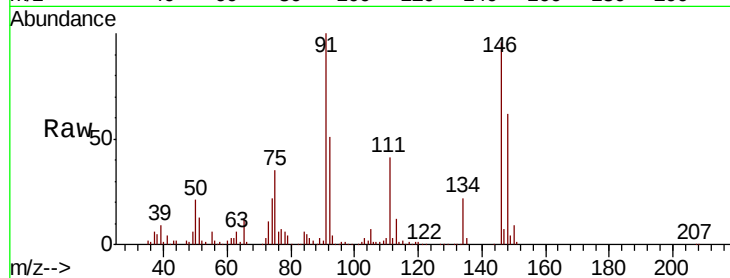
Tot Ion:146 Resp: 118637

Ion Ratio Lower Upper

146 100

111 43.7 21.4 64.3

148 65.0 32.2 96.6

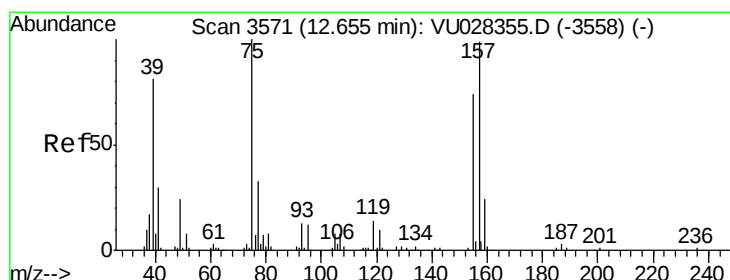
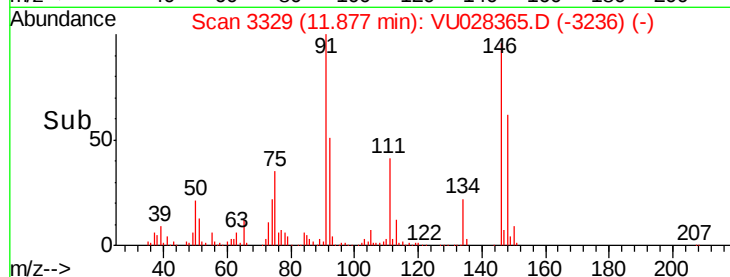
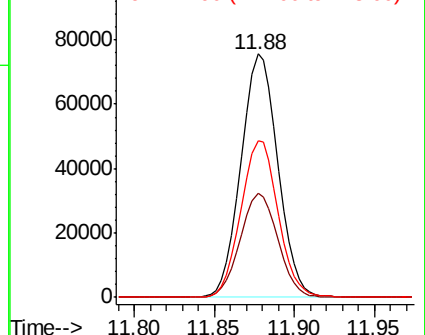


Abundance

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: 21.160 ug/l

RT: 12.66 min Scan# 3571

Delta R.T. -0.00 min

Lab File: VU028365.D

Acq: 28 Nov 2018 14:55

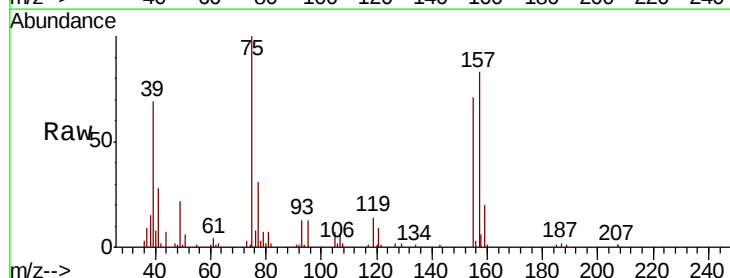
Tgt Ion: 75 Resp: 26306

Ion Ratio Lower Upper

75 100

155 71.2 36.9 110.7

157 87.7 47.5 142.5

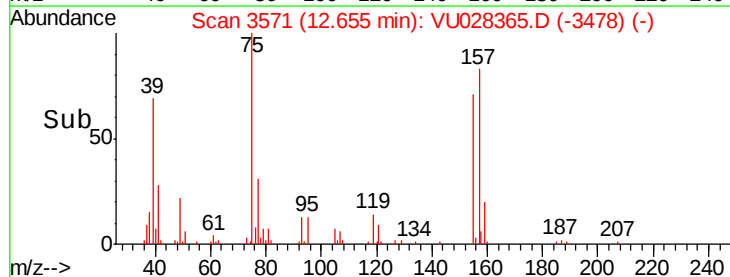
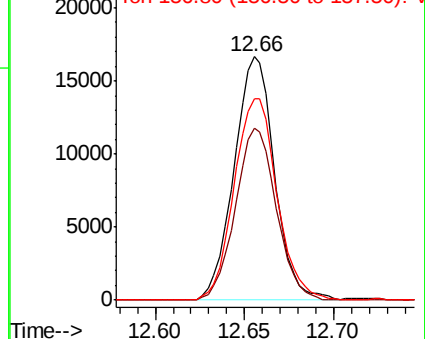


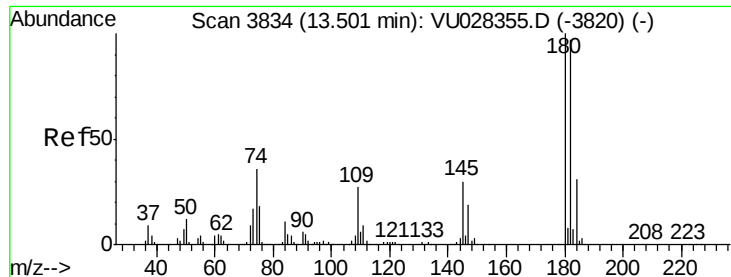
Abundance

Ion 74.90 (74.60 to 75.60): VU0

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V





#93

1,2,4-Trichlorobenzene

Concen: 18.566 ug/l

RT: 13.50 min Scan# 3835

Delta R.T. 0.00 min

Lab File: VU028365.D

Acq: 28 Nov 2018 14:55

Instrument :

MSVOA_U

ClientSampleId :

VU1128MBS01

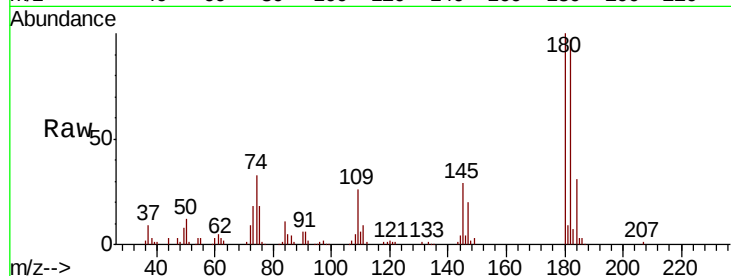
Tot Ion:180 Resp: 70822

Ion Ratio Lower Upper

180 100

182 98.8 48.3 144.9

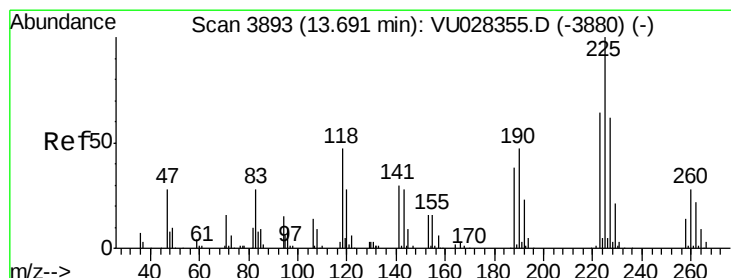
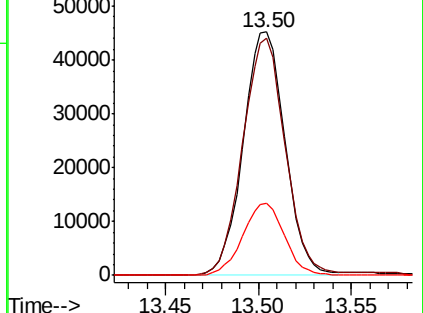
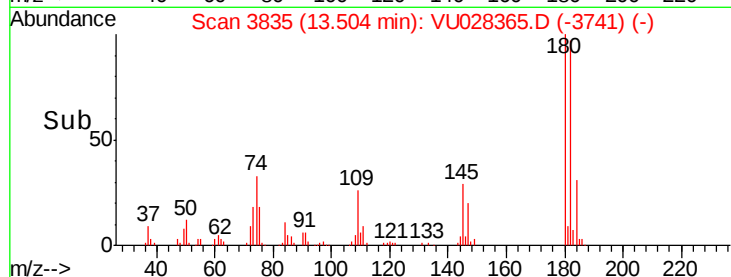
145 29.5 15.2 45.5



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: 19.916 ug/l

RT: 13.69 min Scan# 3893

Delta R.T. -0.00 min

Lab File: VU028365.D

Acq: 28 Nov 2018 14:55

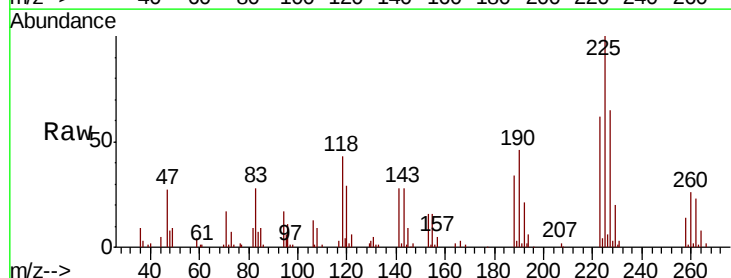
Tgt Ion:225 Resp: 35873

Ion Ratio Lower Upper

225 100

223 63.8 31.6 94.7

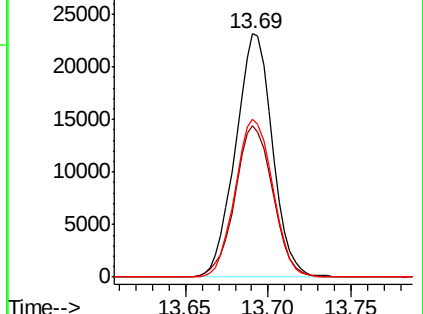
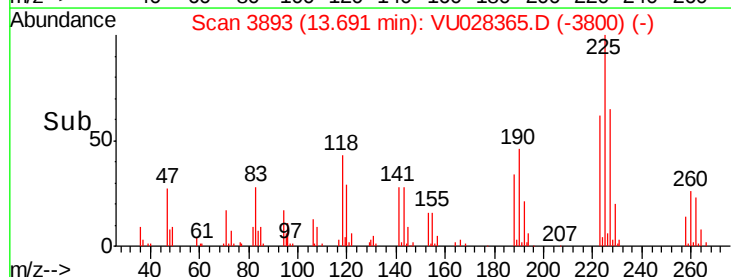
227 66.0 30.8 92.4

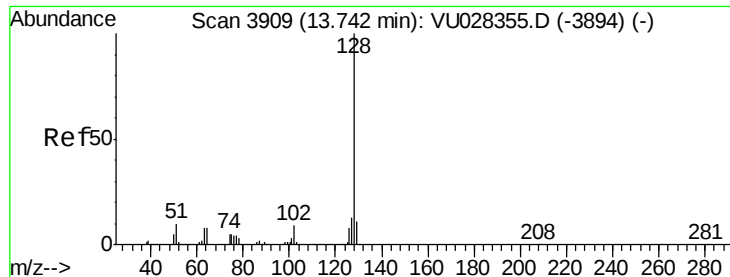


Abundance Ion 224.70 (224.40 to 225.40): V

Ion 222.70 (222.40 to 223.40): V

Ion 226.70 (226.40 to 227.40): V





#95

Naphthalene

Concen: 19.894 ug/l

RT: 13.74 min Scan# 3909

Delta R.T. 0.00 min

Lab File: VU028365.D

Acq: 28 Nov 2018 14:55

Instrument :

MSVOA_U

ClientSampleId :

VU1128MBS01

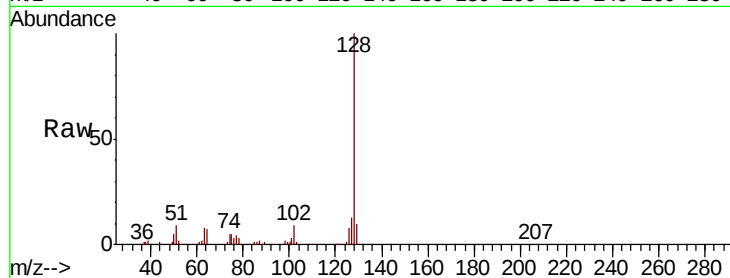
Tot Ion:128 Resp: 265977

Ion Ratio Lower Upper

128 100

127 13.1 10.6 15.8

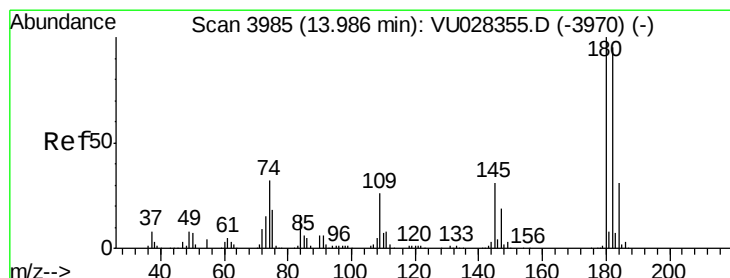
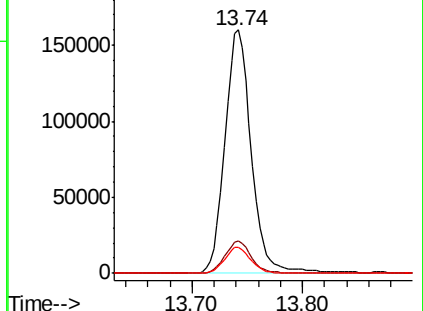
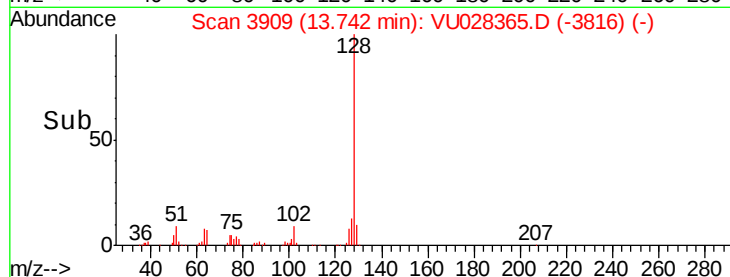
129 10.2 8.6 12.8



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#96

1,2,3-Trichlorobenzene

Concen: 19.526 ug/l

RT: 13.99 min Scan# 3985

Delta R.T. -0.00 min

Lab File: VU028365.D

Acq: 28 Nov 2018 14:55

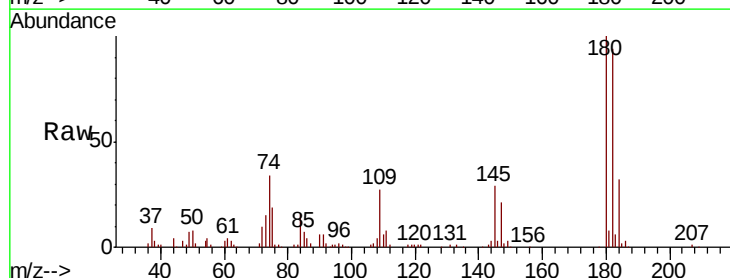
Tgt Ion:180 Resp: 75331

Ion Ratio Lower Upper

180 100

182 96.6 47.7 143.1

145 30.9 15.7 47.1



Abundance Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.90 (144.60 to 145.60): V

