

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU112818\
 Data File : VU028368.D
 Acq On : 28 Nov 2018 16:07
 Operator : MD/SY
 Sample : VU1128WBS01
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VU1128WBS01

Quant Time: Nov 29 06:17:02 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	228724	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.88	114	417847	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.09	117	380114	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.48	152	172395	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	197038	51.55	ug/l	0.00
Spiked Amount			Recovery	=	103.10%	
35) Dibromofluoromethane	4.88	113	135592	48.80	ug/l	0.00
Spiked Amount			Recovery	=	97.60%	
50) Toluene-d8	7.56	98	535830	48.22	ug/l	0.00
Spiked Amount			Recovery	=	96.44%	
62) 4-Bromofluorobenzene	10.30	95	192357	48.03	ug/l	0.00
Spiked Amount			Recovery	=	96.06%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.21	85	61870	20.164	ug/l	99
3) Chloromethane	1.33	50	119901	20.160	ug/l	100
4) Vinyl Chloride	1.40	62	83404	20.044	ug/l	100
5) Bromomethane	1.61	94	29490	18.324	ug/l	97
6) Chloroethane	1.69	64	48794	20.378	ug/l	95
7) Trichlorofluoromethane	1.88	101	87947	20.347	ug/l	96
8) Diethyl Ether	2.10	74	39622	19.720	ug/l	100
9) 1,1,2-Trichlorotrifluoroet	2.28	101	50126	19.908	ug/l	99
10) Methyl Iodide	2.41	142	52981	22.314	ug/l	99
11) Tert butyl alcohol	2.83	59	85774	98.771	ug/l	98
12) 1,1-Dichloroethene	2.28	96	49594	20.297	ug/l	97
13) Acrolein	2.19	56	73222	94.843	ug/l	96
14) Allyl chloride	2.59	41	125363	19.637	ug/l	98
15) Acrylonitrile	2.94	53	246391	107.260	ug/l	99
16) Acetone	2.32	43	213908	91.478	ug/l	100
17) Carbon Disulfide	2.48	76	182790	19.490	ug/l	98
18) Methyl Acetate	2.61	43	135447	20.804	ug/l	100
19) Methyl tert-butyl Ether	3.00	73	206272	20.591	ug/l	99
20) Methylene Chloride	2.70	84	66221	20.034	ug/l	97
21) trans-1,2-Dichloroethene	2.98	96	57672	20.352	ug/l	96
22) Diisopropyl ether	3.57	45	257960	20.524	ug/l	98
23) Vinyl Acetate	3.52	43	1080292	103.403	ug/l	99
24) 1,1-Dichloroethane	3.44	63	128282	20.701	ug/l	99
25) 2-Butanone	4.26	43	343447	102.484	ug/l	100
26) 2,2-Dichloropropane	4.22	77	95169	19.338	ug/l	100
27) cis-1,2-Dichloroethene	4.22	96	65553	19.560	ug/l	99
28) Bromochloromethane	4.55	49	67229	21.697	ug/l	99
29) Tetrahydrofuran	4.64	42	235261	108.124	ug/l	99
30) Chloroform	4.67	83	115427	20.180	ug/l	99
31) Cyclohexane	4.99	56	132919	20.668	ug/l	97
32) 1,1,1-Trichloroethane	4.91	97	94205	20.525	ug/l	99
36) 1,1-Dichloropropene	5.13	75	85055	18.602	ug/l	97
37) Ethyl Acetate	4.38	43	128301	20.590	ug/l	98
38) Carbon Tetrachloride	5.13	117	71770	19.114	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	6.41	83	102983	19.103	ug/l	98
40) Benzene	5.39	78	271164	20.023	ug/l	100
41) Methacrylonitrile	4.54	41	72921	21.073	ug/l	98
42) 1,2-Dichloroethane	5.40	62	96520	19.784	ug/l	99
43) Isopropyl Acetate	5.55	43	205356	20.797	ug/l	100
44) Trichloroethene	6.19	130	56813	19.571	ug/l	98
45) 1,2-Dichloropropane	6.43	63	79309	19.998	ug/l	99
46) Dibromomethane	6.56	93	45383	19.923	ug/l	99
47) Bromodichloromethane	6.76	83	86832	19.164	ug/l	99
48) Methyl methacrylate	6.62	41	102555	19.939	ug/l	99
49) 1,4-Dioxane	6.61	88	31128	378.829	ug/l	98
51) 4-Methyl-2-Pentanone	7.46	43	642179	101.827	ug/l	99
52) Toluene	7.64	92	158166	20.282	ug/l	99
53) t-1,3-Dichloropropene	7.88	75	102718	18.959	ug/l	99
54) cis-1,3-Dichloropropene	7.27	75	111476	19.206	ug/l	98
55) 1,1,2-Trichloroethane	8.07	97	63433	19.544	ug/l	98
56) Ethyl methacrylate	8.02	69	109485	19.829	ug/l	97
57) 1,3-Dichloropropane	8.24	76	116369	19.552	ug/l	100
58) 2-Chloroethyl Vinyl ether	7.13	63	294651	99.397	ug/l	100
59) 2-Hexanone	8.36	43	488647	100.029	ug/l	100
60) Dibromochloromethane	8.48	129	58167	18.844	ug/l	99
61) 1,2-Dibromoethane	8.58	107	66261	19.933	ug/l	98
64) Tetrachloroethene	8.22	164	48259	19.301	ug/l	98
65) Chlorobenzene	9.12	112	156558	19.836	ug/l	99
66) 1,1,1,2-Tetrachloroethane	9.21	131	53538	19.789	ug/l	99
67) Ethyl Benzene	9.25	91	296857	19.970	ug/l	98
68) m/p-Xylenes	9.37	106	215703	40.314	ug/l	99
69) o-Xylene	9.78	106	105086	19.757	ug/l	98
70) Styrene	9.79	104	171627	20.007	ug/l	100
71) Bromoform	9.96	173	43625	19.184	ug/l #	98
73) Isopropylbenzene	10.16	105	276633	20.632	ug/l	98
74) N-amyl acetate	10.01	43	176808	21.047	ug/l	99
75) 1,1,2,2-Tetrachloroethane	10.46	83	114575	20.780	ug/l	99
76) 1,2,3-Trichloropropane	10.49	75	134856	28.209	ug/l	79
77) Bromobenzene	10.45	156	62132	19.666	ug/l	97
78) n-propylbenzene	10.58	91	341951	20.674	ug/l	99
79) 2-Chlorotoluene	10.66	91	201919	20.708	ug/l	99
80) 1,3,5-Trimethylbenzene	10.77	105	230351	20.387	ug/l	99
81) trans-1,4-Dichloro-2-buten	10.49	75	134856	74.880	ug/l #	100
82) 4-Chlorotoluene	10.77	91	228611	20.349	ug/l	100
83) tert-Butylbenzene	11.10	119	222354	21.111	ug/l	99
84) 1,2,4-Trimethylbenzene	11.15	105	237577	20.759	ug/l	98
85) sec-Butylbenzene	11.32	105	281898	20.606	ug/l	100
86) p-Isopropyltoluene	11.48	119	232363	20.657	ug/l	100
87) 1,3-Dichlorobenzene	11.41	146	112805	19.576	ug/l	98
88) 1,4-Dichlorobenzene	11.51	146	111344	19.200	ug/l	95
89) n-Butylbenzene	11.89	91	219328	19.756	ug/l	99
90) Hexachloroethane	12.14	117	34313	19.538	ug/l	99
91) 1,2-Dichlorobenzene	11.88	146	117291	20.402	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	12.66	75	26021	21.217	ug/l	96

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

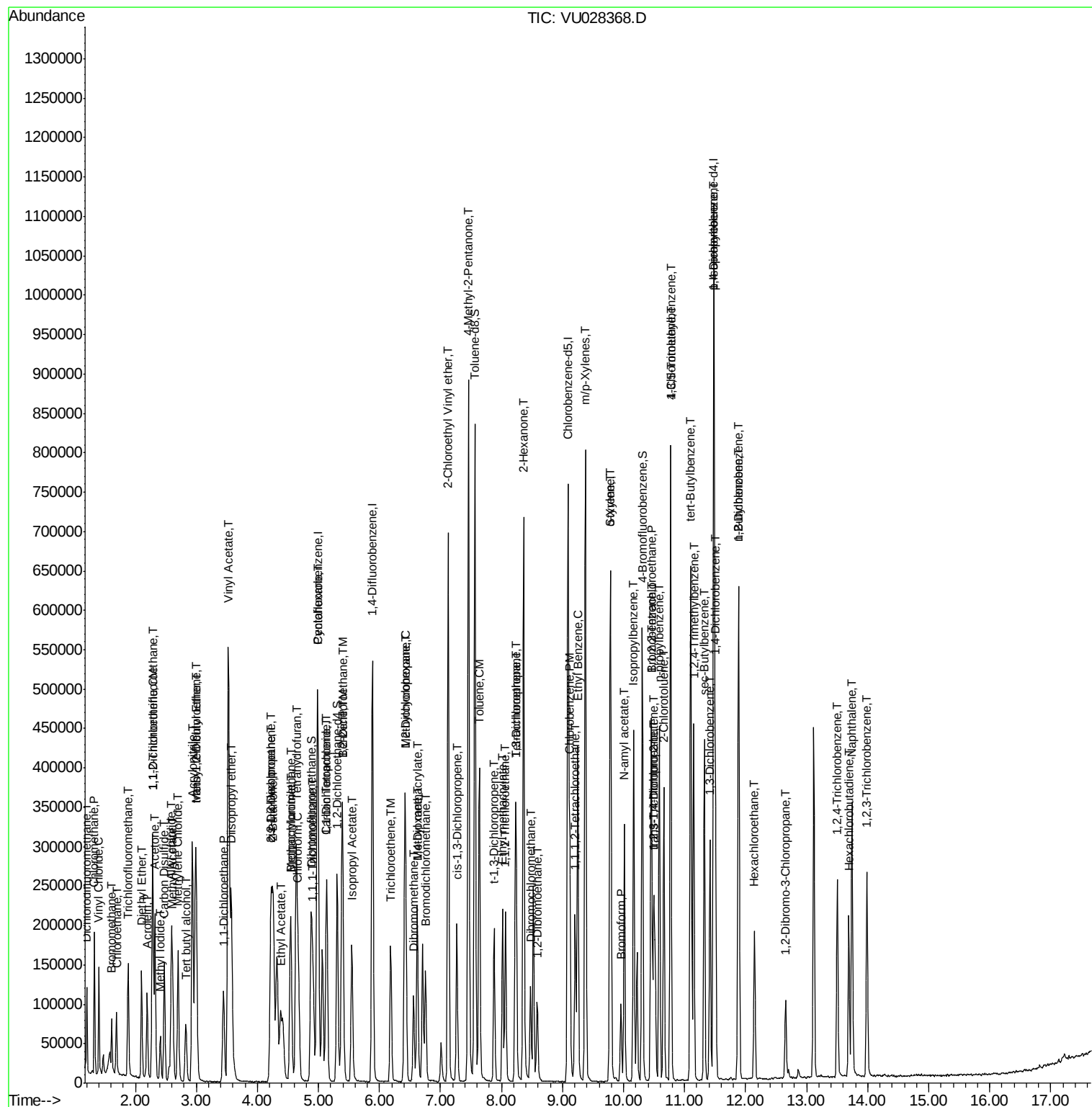
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.50	180	72147	19.172	ug/l	99
94) Hexachlorobutadiene	13.69	225	34496	19.413	ug/l	95
95) Naphthalene	13.74	128	271942	20.515	ug/l	99
96) 1,2,3-Trichlorobenzene	13.99	180	76847	20.191	ug/l	99

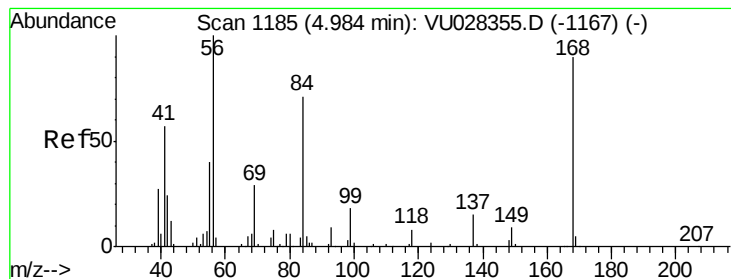
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Acq On : 28 Nov 2018 16:07
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Quant Title : SW846 8260
QLast Update : Thu Nov 29 01:04:49 2018
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 4.98 min Scan# 1184

Delta R.T. -0.00 min

Lab File: VU028368.D

Acq: 28 Nov 2018 16:07

Instrument :

MSVOA_U

ClientSampleId :

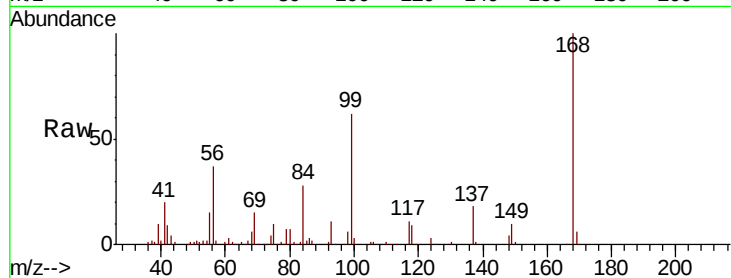
VU1128WBS01

Tot Ion:168 Resp: 228724

Ion Ratio Lower Upper

168 100

99 62.0 49.6 74.4



Abundance Ion 167.90 (167.60 to 168.60): VU028355.D (-1167) (-)

Ion 98.90 (98.60 to 99.60): VU028355.D (-1167) (-)

4.98

120000

100000

80000

60000

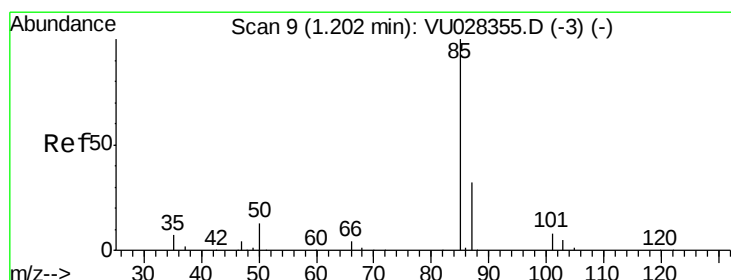
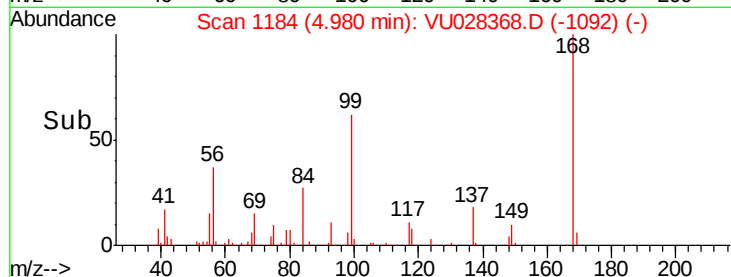
40000

20000

0

4.90 4.95 5.00 5.05

Time-->



#2

Dichlorodifluoromethane

Concen: 20.164 ug/l

RT: 1.21 min Scan# 10

Delta R.T. 0.00 min

Lab File: VU028368.D

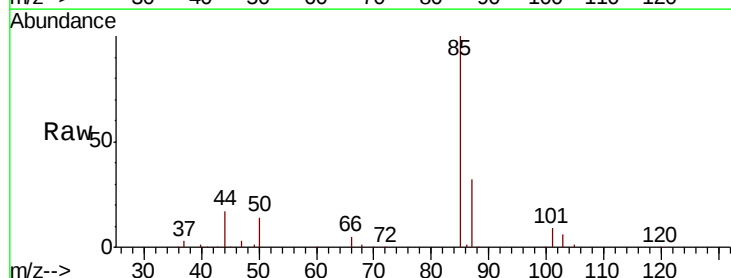
Acq: 28 Nov 2018 16:07

Tgt Ion: 85 Resp: 61870

Ion Ratio Lower Upper

85 100

87 32.1 15.9 47.7



Abundance Ion 84.90 (84.60 to 85.60): VU028355.D (-3) (-)

Ion 86.90 (86.60 to 87.60): VU028355.D (-3) (-)

1.21

60000

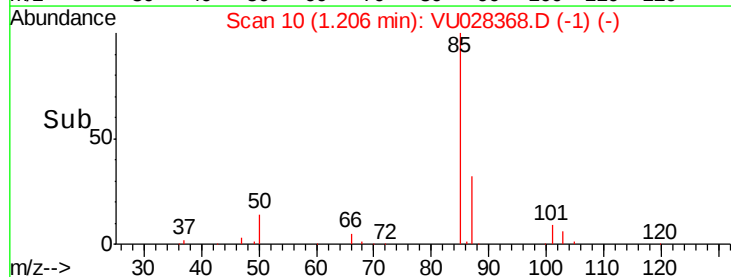
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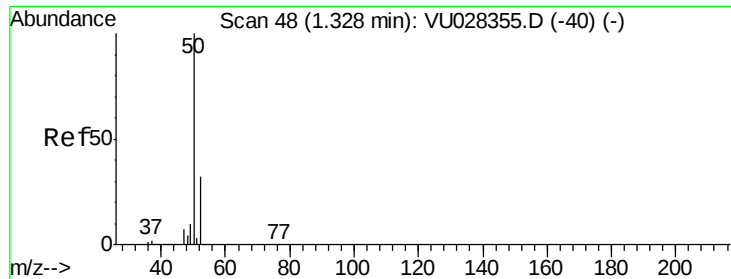
20000

0

1.15 1.20 1.25

Time-->





#3

Chloromethane

Concen: 20.160 ug/l

RT: 1.33 min Scan# 48

Delta R.T. 0.00 min

Lab File: VU028368.D

Acq: 28 Nov 2018 16:07

Instrument :

MSVOA_U

ClientSampleId :

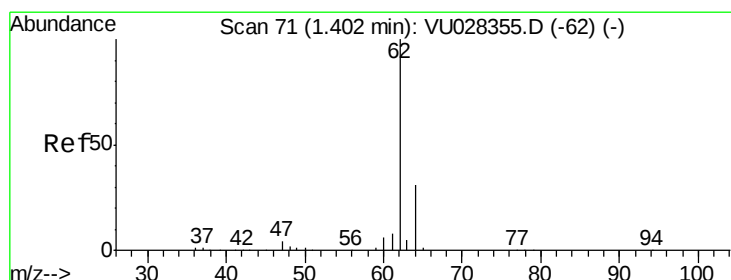
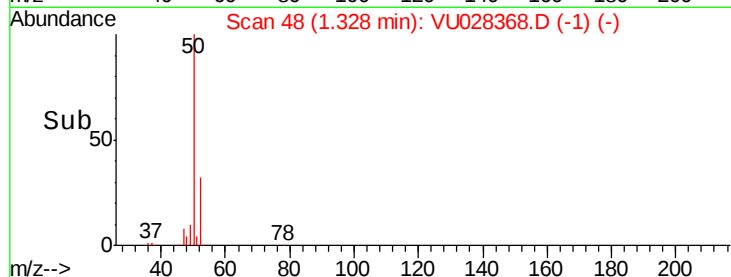
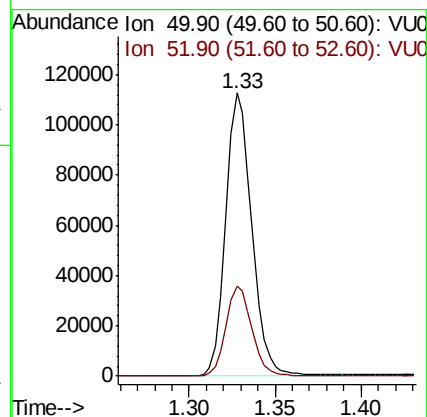
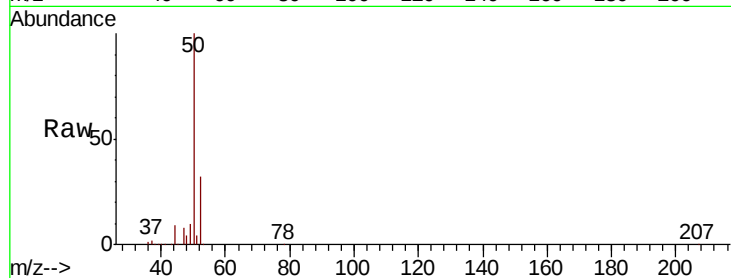
VU1128WBS01

Tot Ion: 50 Resp: 119901

Ion Ratio Lower Upper

50 100

52 31.9 25.4 38.2



#4

Vinyl Chloride

Concen: 20.044 ug/l

RT: 1.40 min Scan# 71

Delta R.T. 0.00 min

Lab File: VU028368.D

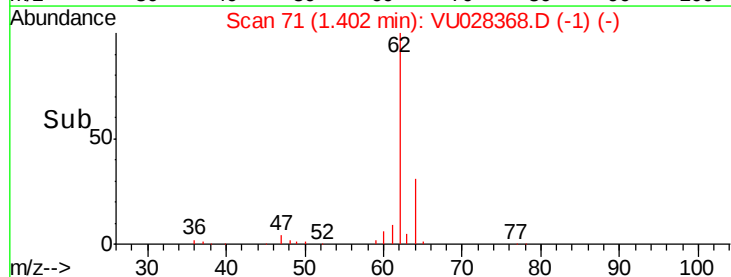
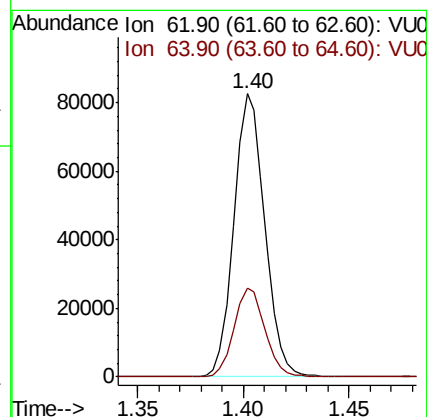
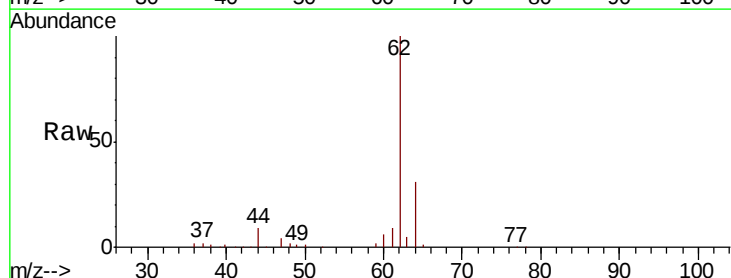
Acq: 28 Nov 2018 16:07

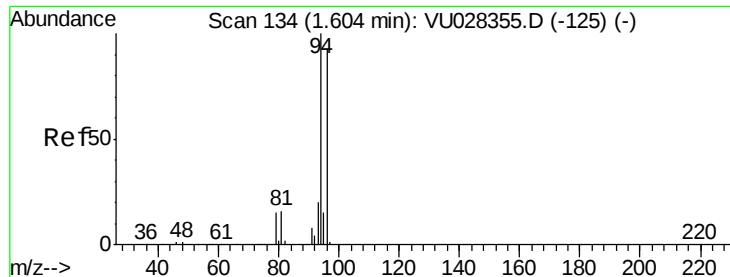
Tgt Ion: 62 Resp: 83404

Ion Ratio Lower Upper

62 100

64 31.4 25.0 37.4





#5

Bromomethane

Concen: 18.324 ug/l

RT: 1.61 min Scan# 136

Delta R.T. 0.01 min

Lab File: VU028368.D

Acq: 28 Nov 2018 16:07

Instrument :

MSVOA_U

ClientSampleId :

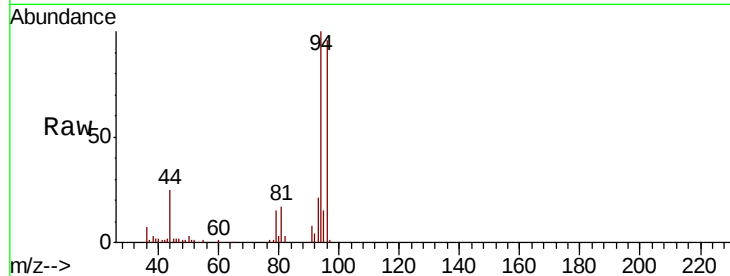
VU1128WBS01

Tot Ion: 94 Resp: 29490

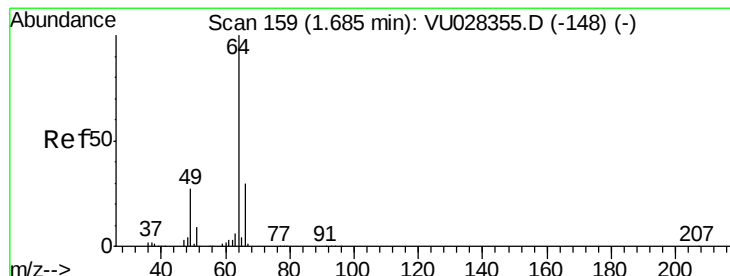
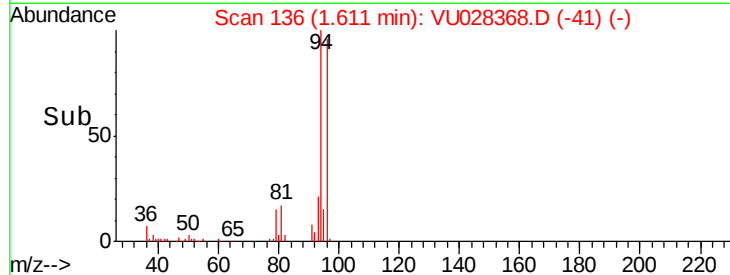
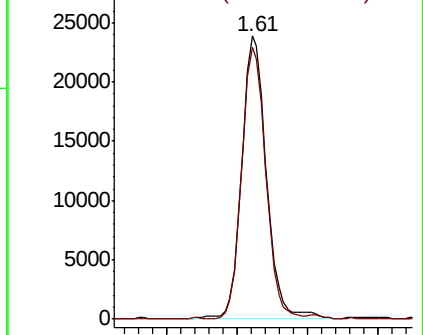
Ion Ratio Lower Upper

94 100

96 95.9 74.6 112.0



Abundance Ion 93.90 (93.60 to 94.60): VU028368.D (-136) (-)



#6

Chloroethane

Concen: 20.378 ug/l

RT: 1.69 min Scan# 161

Delta R.T. 0.01 min

Lab File: VU028368.D

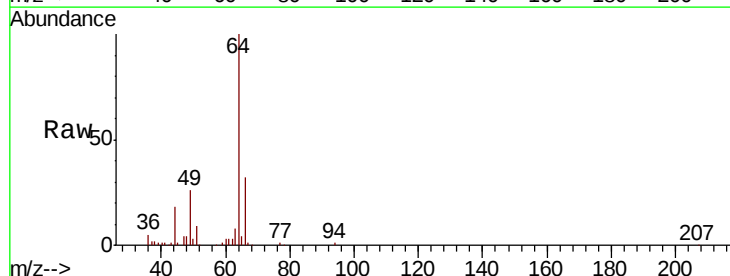
Acq: 28 Nov 2018 16:07

Tgt Ion: 64 Resp: 48794

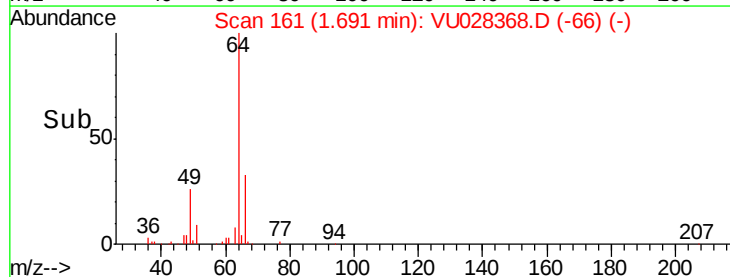
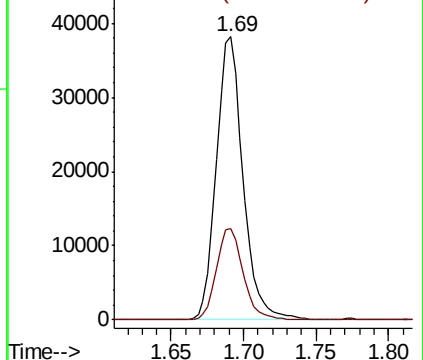
Ion Ratio Lower Upper

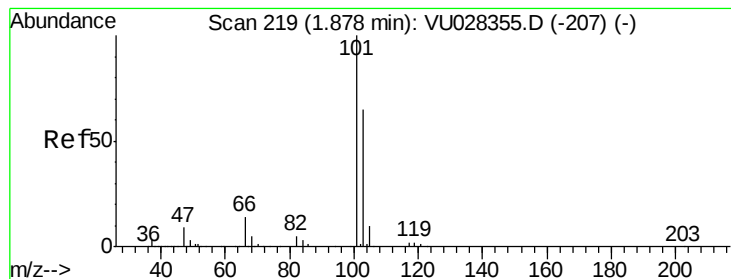
64 100

66 32.1 23.6 35.4



Abundance Ion 63.90 (63.60 to 64.60): VU028368.D (-161) (-)



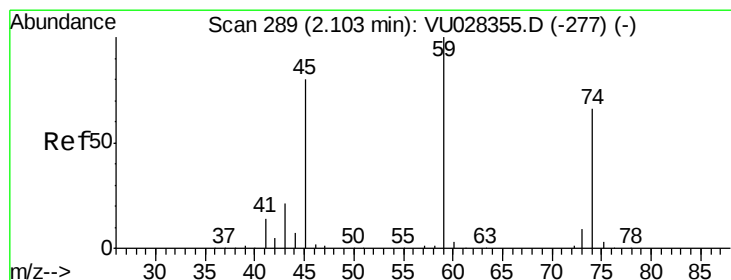
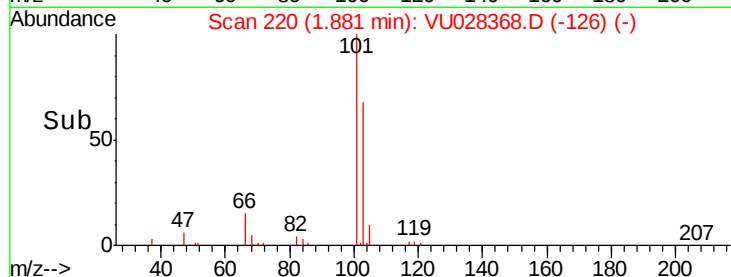
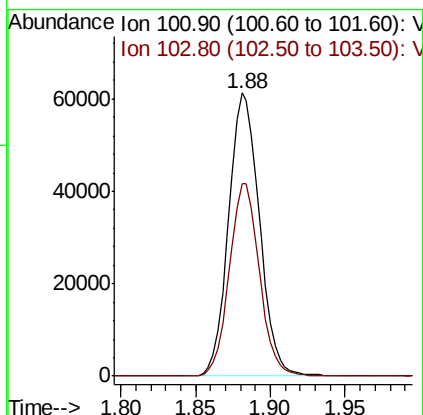
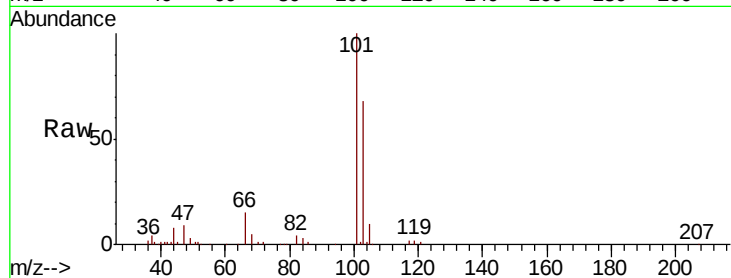


#7

Trichlorofluoromethane
Concen: 20.347 ug/l
RT: 1.88 min Scan# 220
Delta R.T. 0.00 min
Lab File: VU028368.D
Acq: 28 Nov 2018 16:07

Instrument :
MSVOA_U
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VU1128WBS01

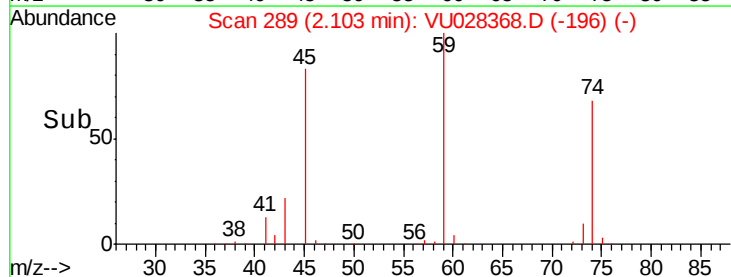
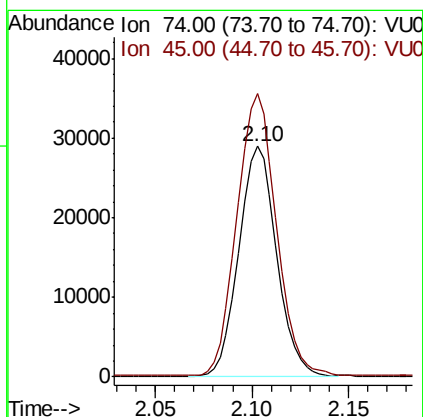
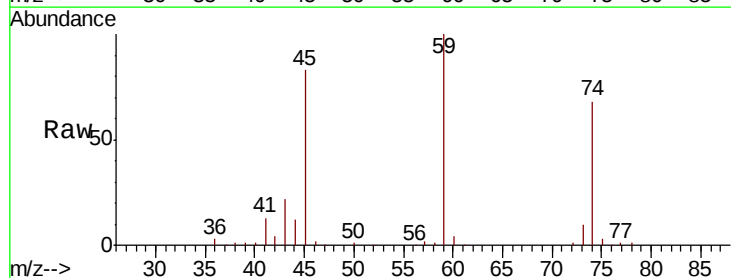
Tot Ion:101 Resp: 87947
Ion Ratio Lower Upper
101 100
103 67.8 51.6 77.4

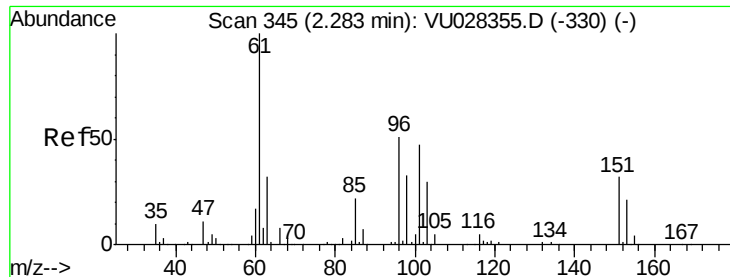


#8

Diethyl Ether
Concen: 19.720 ug/l
RT: 2.10 min Scan# 289
Delta R.T. 0.00 min
Lab File: VU028368.D
Acq: 28 Nov 2018 16:07

Tgt Ion: 74 Resp: 39622
Ion Ratio Lower Upper
74 100
45 126.1 63.0 189.1





#9

1,1,2-Trichlorotrifluoroethane

Concen: 19.908 ug/l

RT: 2.28 min Scan# 345

Delta R.T. 0.00 min

Lab File: VU028368.D

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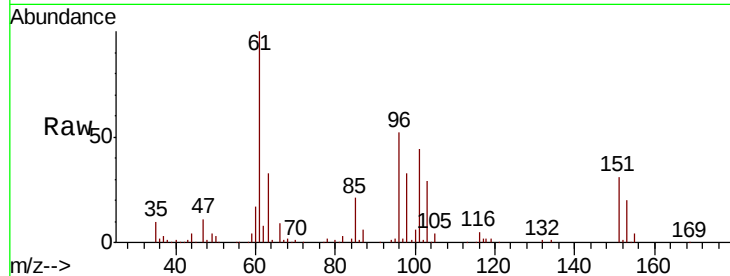
Tot Ion:101 Resp: 50126

Ion Ratio Lower Upper

101 100

85 46.7 37.2 55.8

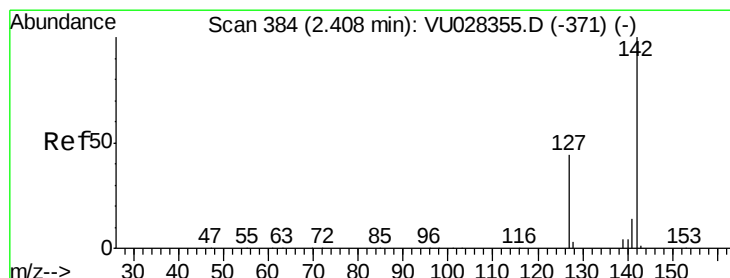
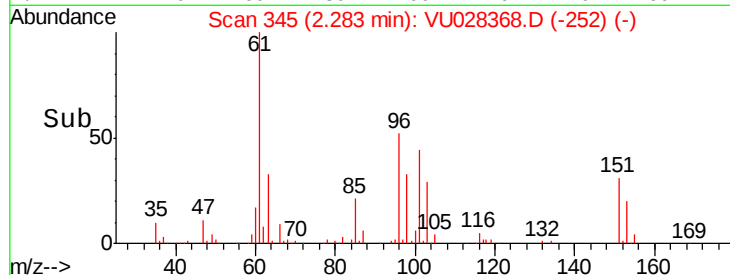
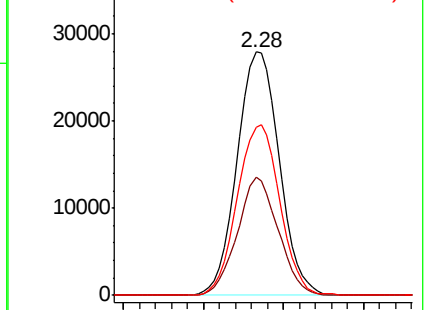
151 70.7 55.4 83.0



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: 22.314 ug/l

RT: 2.41 min Scan# 384

Delta R.T. 0.00 min

Lab File: VU028368.D

Acq: 28 Nov 2018 16:07

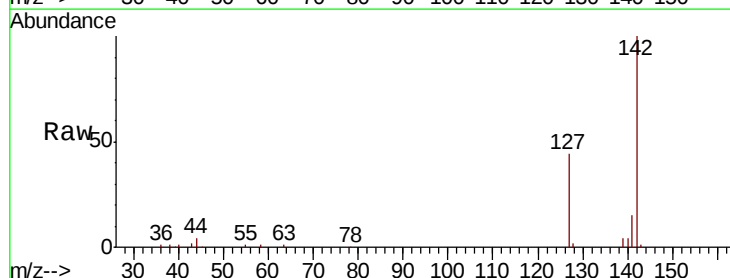
Tgt Ion:142 Resp: 52981

Ion Ratio Lower Upper

142 100

127 43.3 35.0 52.6

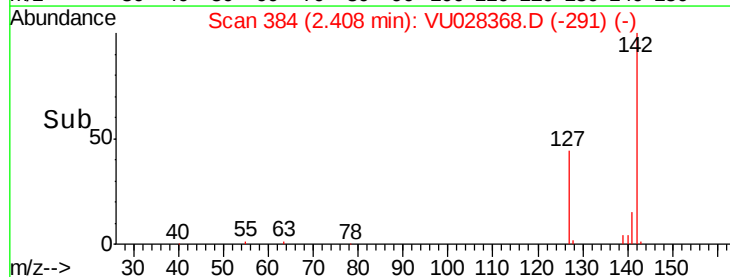
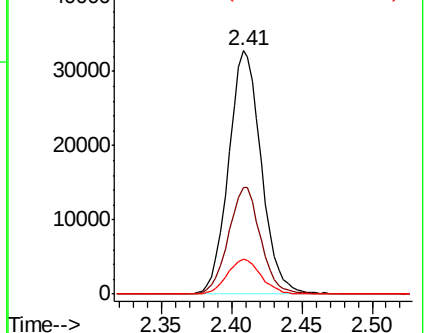
141 14.8 11.2 16.8

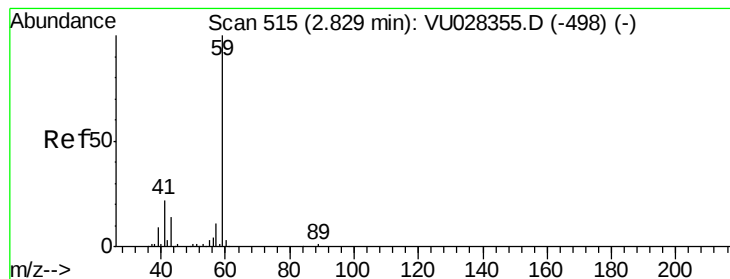


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V





#11

Tert butyl alcohol

Concen: 98.771 ug/l

RT: 2.83 min Scan# 514

Delta R.T. -0.00 min

Lab File: VU028368.D

Acq: 28 Nov 2018 16:07

Instrument :

MSVOA_U

ClientSampleId :

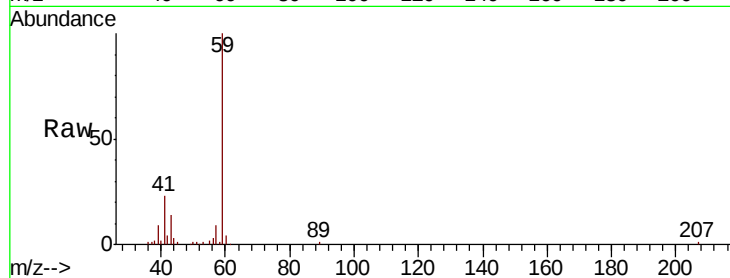
VU1128WBS01

Tot Ion: 59 Resp: 85774

Ion Ratio Lower Upper

59 100

57 9.7 8.3 12.5



Abundance Ion 59.00 (58.70 to 59.70): VU028355.D (-498) (-)

Ion 57.00 (56.70 to 57.70): VU028355.D (-498) (-)

2.83

40000

30000

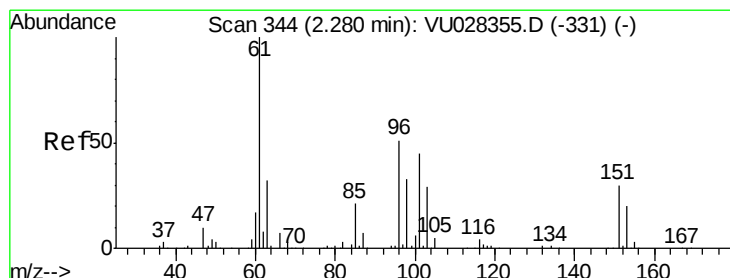
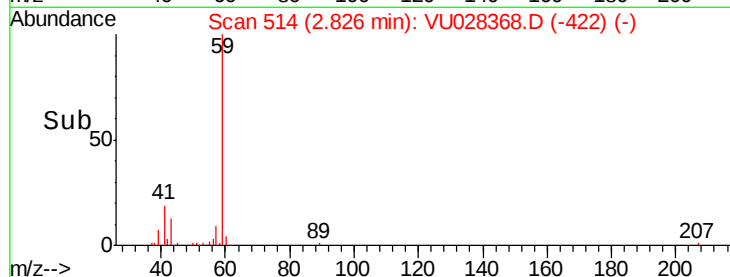
20000

10000

0

Time-->

2.75 2.80 2.85 2.90



#12

1,1-Dichloroethene

Concen: 20.297 ug/l

RT: 2.28 min Scan# 345

Delta R.T. 0.00 min

Lab File: VU028368.D

Acq: 28 Nov 2018 16:07

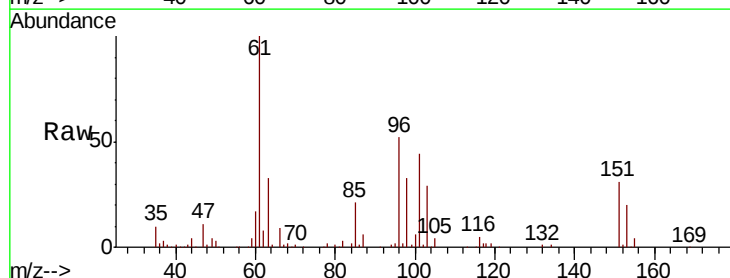
Tgt Ion: 96 Resp: 49594

Ion Ratio Lower Upper

96 100

61 191.8 158.1 237.1

98 64.2 51.4 77.2



Abundance Ion 95.90 (95.60 to 96.60): VU028355.D (-331) (-)

Ion 60.90 (60.60 to 61.60): VU028355.D (-331) (-)

Ion 97.90 (97.60 to 98.60): VU028355.D (-331) (-)

2.28

80000

60000

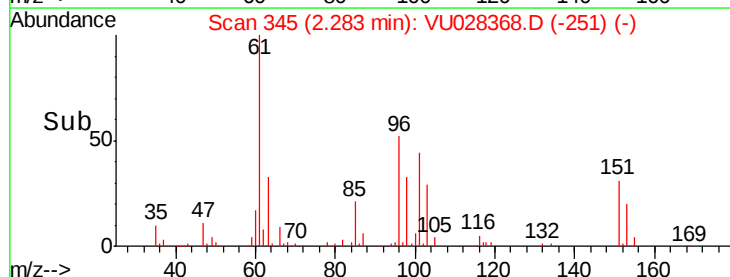
40000

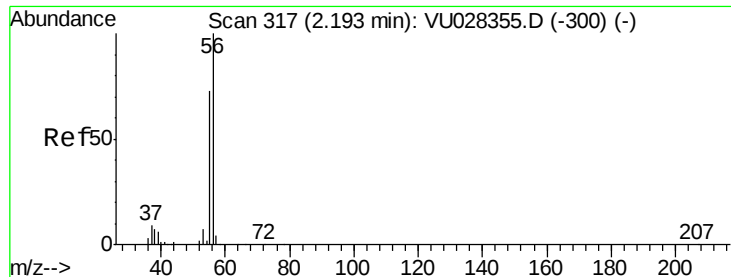
20000

0

Time-->

2.20 2.25 2.30 2.35





#13

Acrolein

Concen: 94.843 ug/l

RT: 2.19 min Scan# 317

Delta R.T. 0.00 min

Lab File: VU028368.D

Acq: 28 Nov 2018 16:07

Instrument :

MSVOA_U

ClientSampleId :

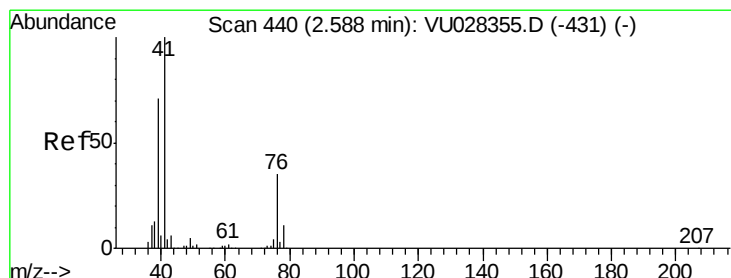
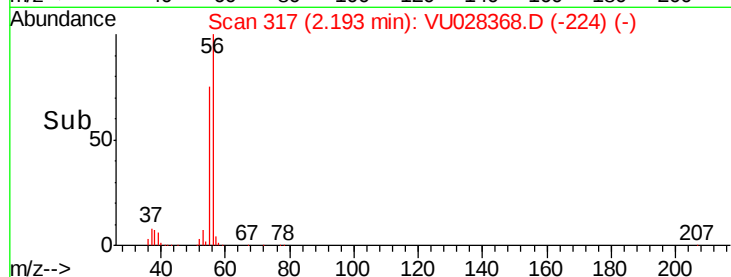
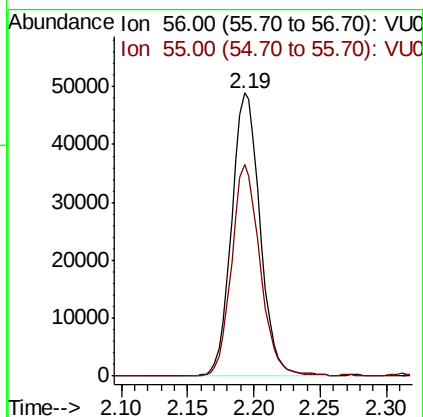
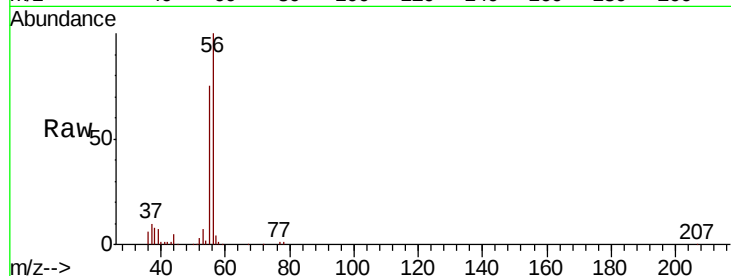
VU1128WBS01

Tot Ion: 56 Resp: 73222

Ion Ratio Lower Upper

56 100

55 74.5 56.6 85.0



#14

Allyl chloride

Concen: 19.637 ug/l

RT: 2.59 min Scan# 441

Delta R.T. 0.00 min

Lab File: VU028368.D

Acq: 28 Nov 2018 16:07

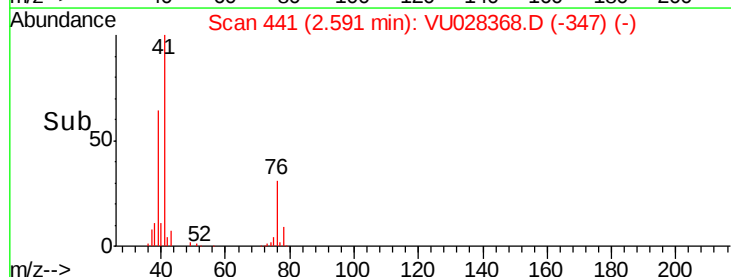
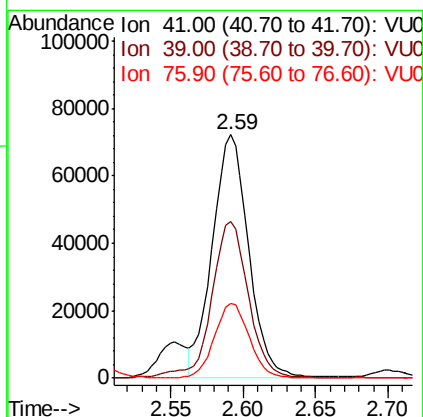
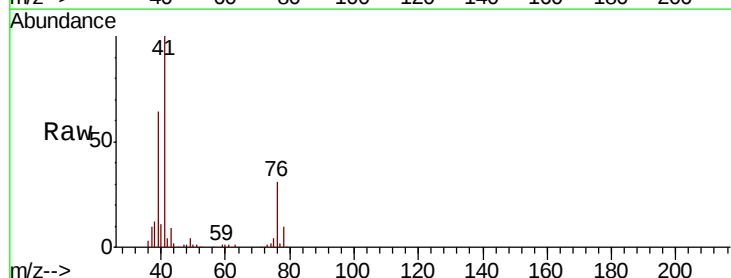
Tgt Ion: 41 Resp: 125363

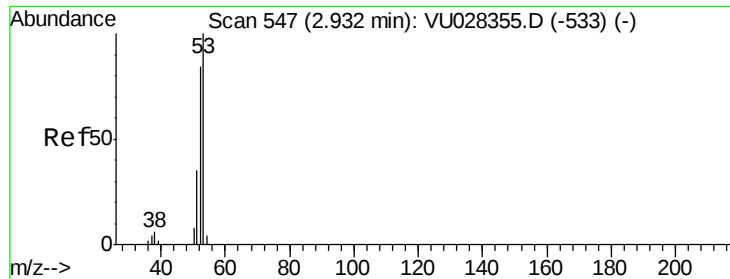
Ion Ratio Lower Upper

41 100

39 65.6 51.6 77.4

76 29.5 24.4 36.6

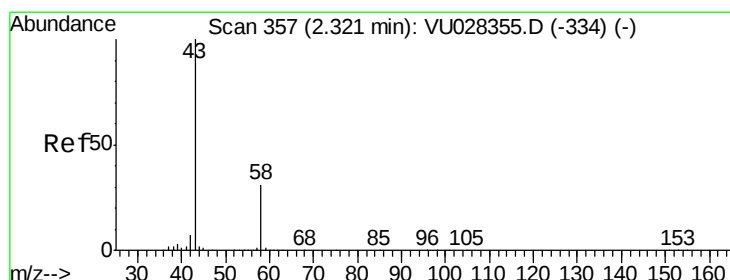
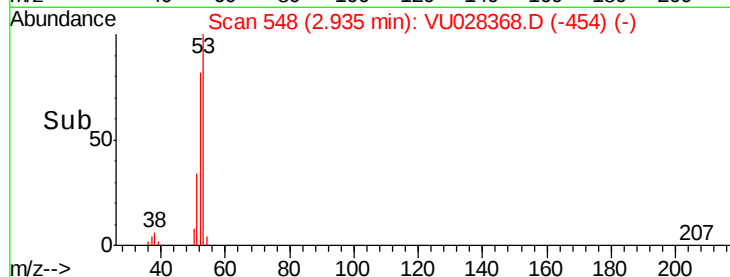
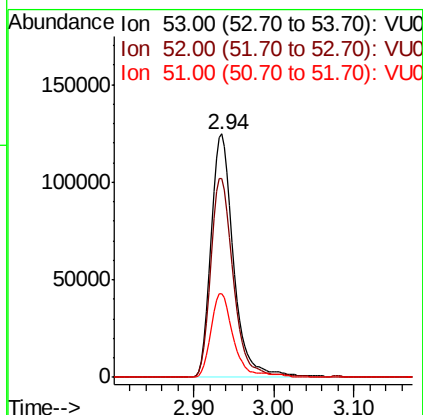
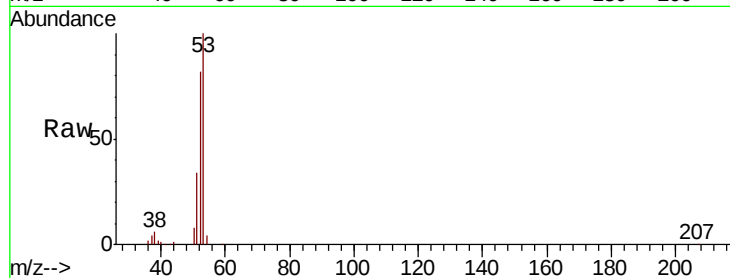




#15
 Acrylonitrile
 Concen: 107.260 ug/l
 RT: 2.94 min Scan# 548
 Delta R.T. 0.00 min
 Lab File: VU028368.D
 Acq: 28 Nov 2018 16:07

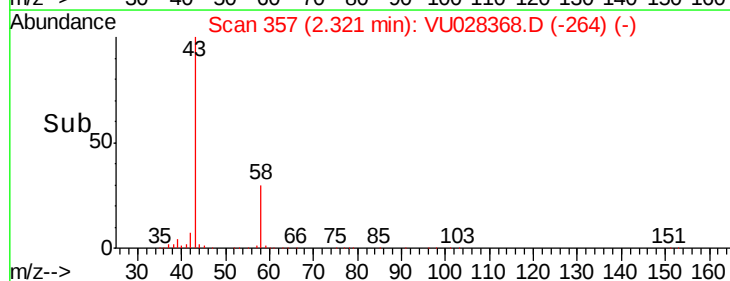
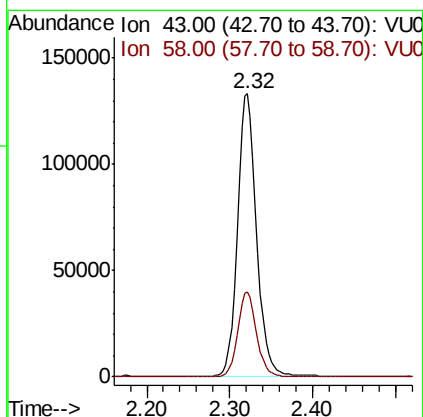
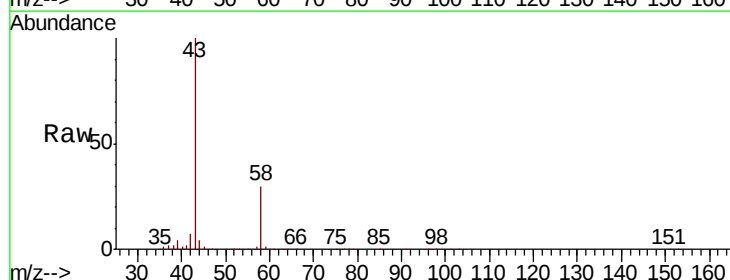
Instrument :
 MSVOA_U
 ClientSampleId :
 VU1128WBS01

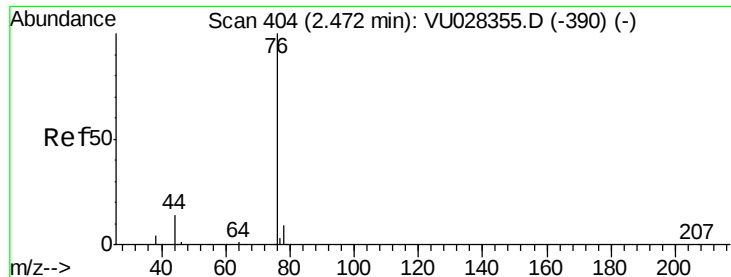
Tot Ion: 53 Resp: 246391
 Ion Ratio Lower Upper
 53 100
 52 81.4 65.7 98.5
 51 33.9 27.8 41.6



#16
 Acetone
 Concen: 91.478 ug/l
 RT: 2.32 min Scan# 357
 Delta R.T. 0.00 min
 Lab File: VU028368.D
 Acq: 28 Nov 2018 16:07

Tgt Ion: 43 Resp: 213908
 Ion Ratio Lower Upper
 43 100
 58 30.3 24.4 36.6

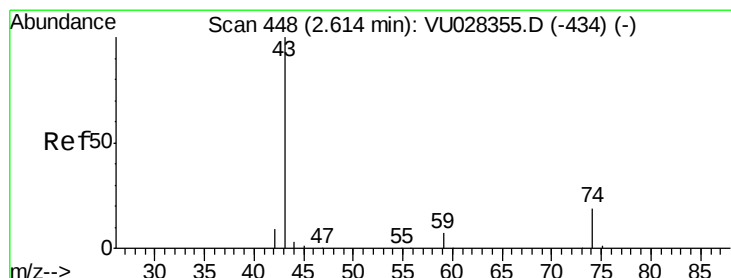
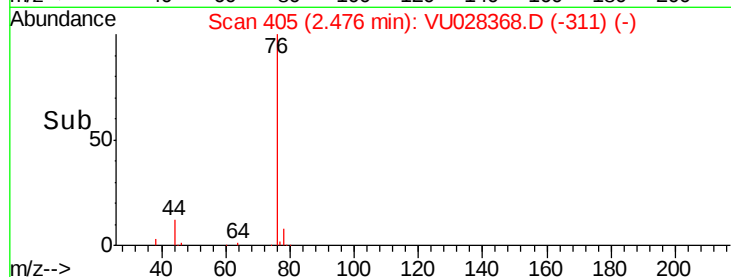
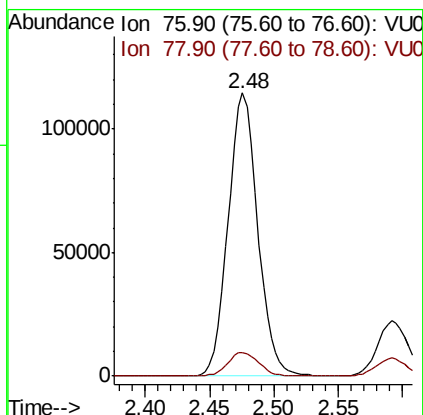
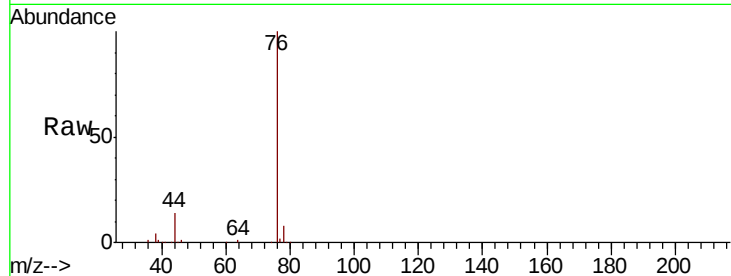




#17
Carbon Disulfide
Concen: 19.490 ug/l
RT: 2.48 min Scan# 405
Delta R.T. 0.00 min
Lab File: VU028368.D
Acq: 28 Nov 2018 16:07

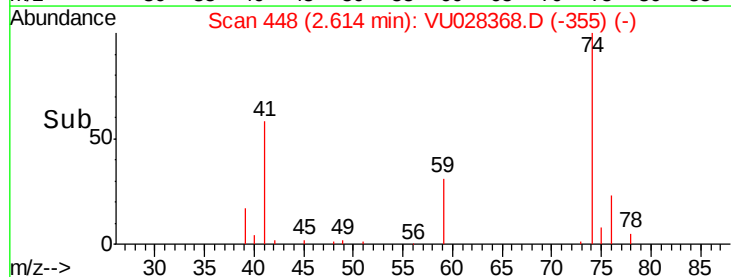
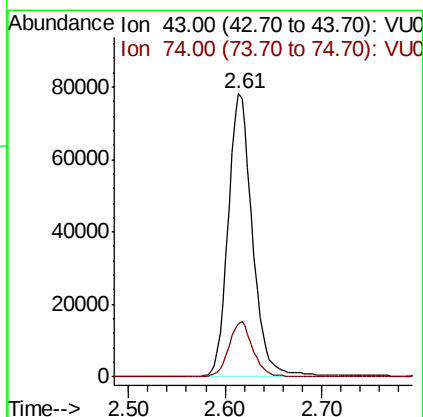
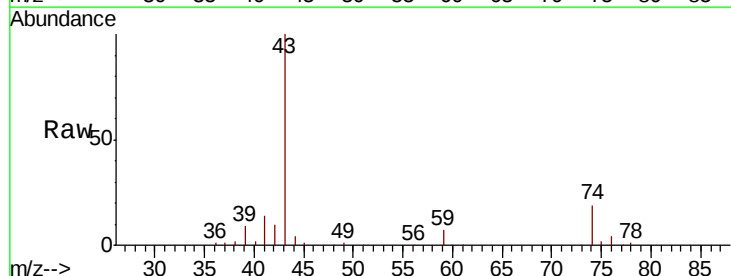
Instrument :
MSVOA_U
ClientSampleId :
VU1128WBS01

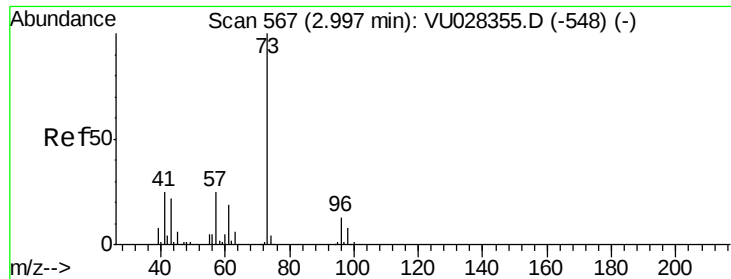
Tot Ion: 76 Resp: 182790
Ion Ratio Lower Upper
76 100
78 8.5 7.4 11.2



#18
Methyl Acetate
Concen: 20.804 ug/l
RT: 2.61 min Scan# 448
Delta R.T. 0.00 min
Lab File: VU028368.D
Acq: 28 Nov 2018 16:07

Tgt Ion: 43 Resp: 135447
Ion Ratio Lower Upper
43 100
74 19.3 15.3 22.9

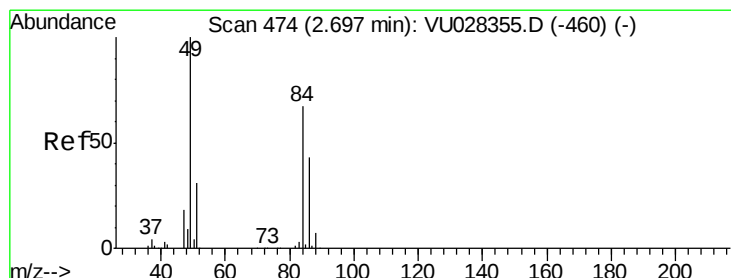
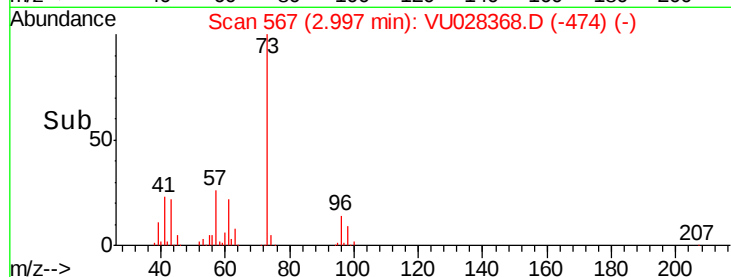
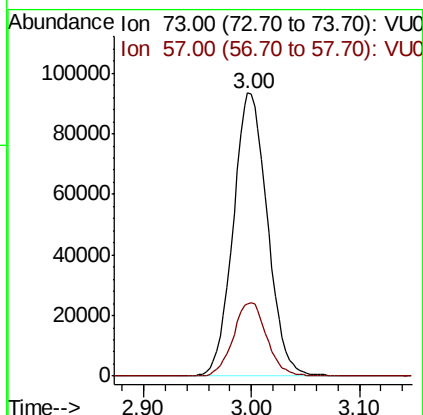
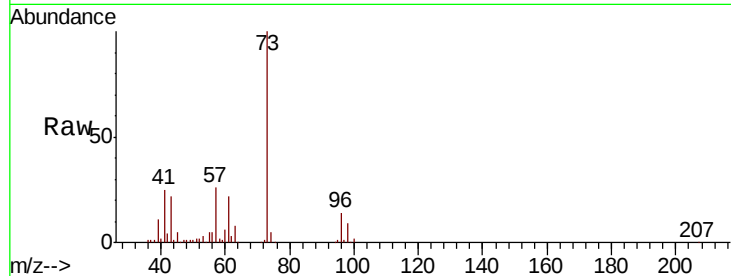




#19
Methvl tert-butvl Ether
Concen: 20.591 ug/l
RT: 3.00 min Scan# 567
Delta R.T. 0.00 min
Lab File: VU028368.D
Acq: 28 Nov 2018 16:07

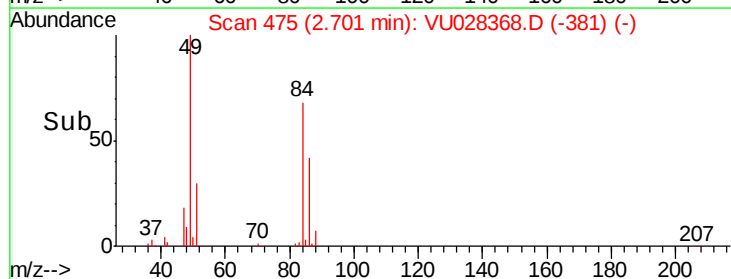
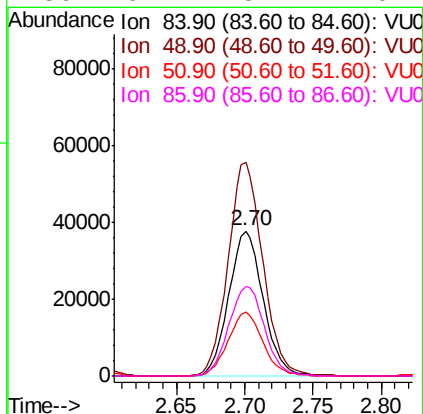
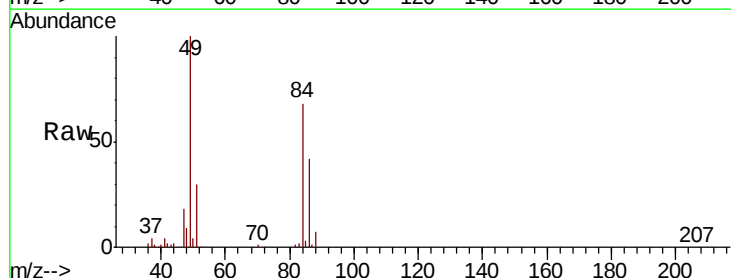
Instrument :
MSVOA_U
ClientSampleId :
VU1128WBS01

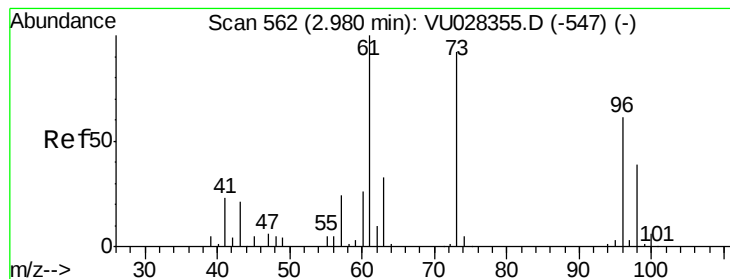
Tot Ion: 73 Resp: 206272
Ion Ratio Lower Upper
73 100
57 25.7 20.1 30.1



#20
Methylene Chloride
Concen: 20.034 ug/l
RT: 2.70 min Scan# 475
Delta R.T. 0.00 min
Lab File: VU028368.D
Acq: 28 Nov 2018 16:07

Tgt Ion: 84 Resp: 66221
Ion Ratio Lower Upper
84 100
49 147.0 120.0 180.0
51 43.8 36.9 55.3
86 61.4 51.1 76.7





#21

trans-1,2-Dichloroethene

Concen: 20.352 ug/l

RT: 2.98 min Scan# 562

Delta R.T. 0.00 min

Lab File: VU028368.D

Acq: 28 Nov 2018 16:07

Instrument :

MSVOA_U

ClientSampleId :

VU1128WBS01

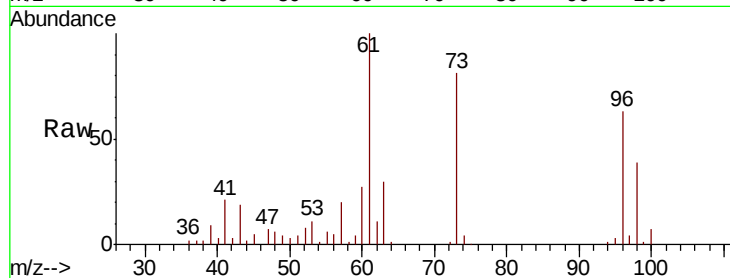
Tot Ion: 96 Resp: 57672

Ion Ratio Lower Upper

96 100

61 158.9 131.1 196.7

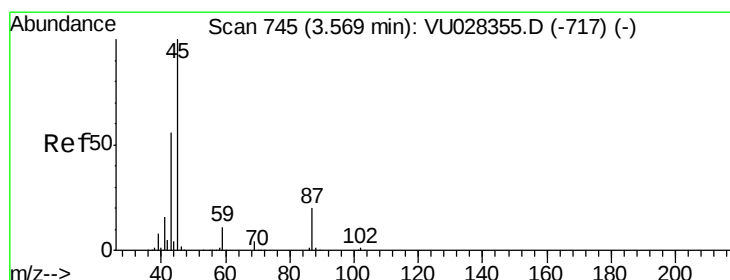
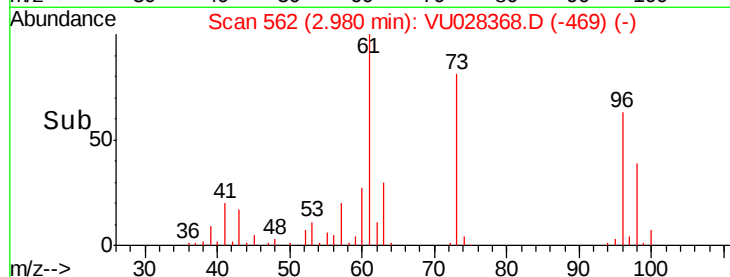
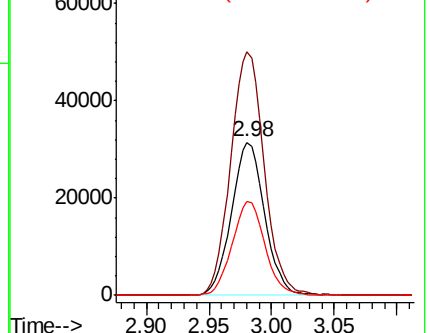
98 61.3 51.7 77.5



Abundance Ion 95.90 (95.60 to 96.60): VU028355.D (-547) (-)

Ion 60.90 (60.60 to 61.60): VU028355.D (-547) (-)

Ion 97.90 (97.60 to 98.60): VU028355.D (-547) (-)



#22

Diisopropyl ether

Concen: 20.524 ug/l

RT: 3.57 min Scan# 746

Delta R.T. 0.00 min

Lab File: VU028368.D

Acq: 28 Nov 2018 16:07

Tgt Ion: 45 Resp: 257960

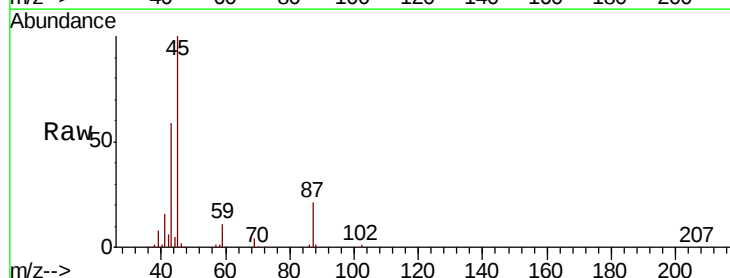
Ion Ratio Lower Upper

45 100

43 57.9 44.8 67.2

87 20.8 16.3 24.5

59 11.1 8.6 12.8

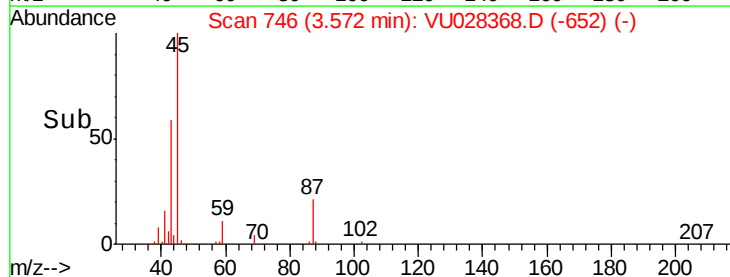
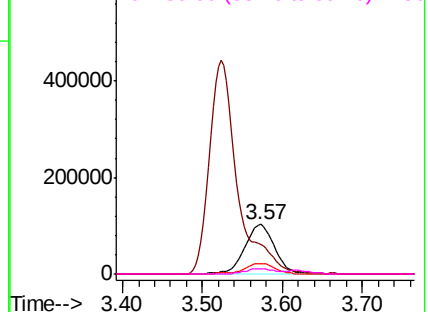


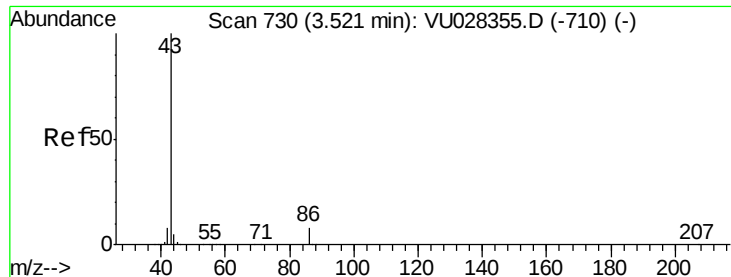
Abundance Ion 45.00 (44.70 to 45.70): VU028355.D (-717) (-)

Ion 43.00 (42.70 to 43.70): VU028355.D (-717) (-)

Ion 87.00 (86.70 to 87.70): VU028355.D (-717) (-)

Ion 59.00 (58.70 to 59.70): VU028355.D (-717) (-)





#23

Vinyl Acetate

Concen: 103.403 ug/l

RT: 3.52 min Scan# 731

Delta R.T. 0.00 min

Lab File: VU028368.D

Acq: 28 Nov 2018 16:07

Instrument :

MSVOA_U

ClientSampleId :

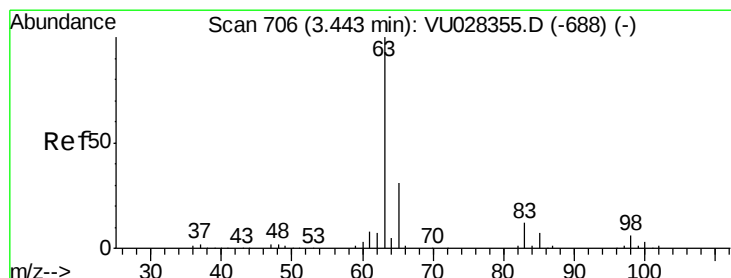
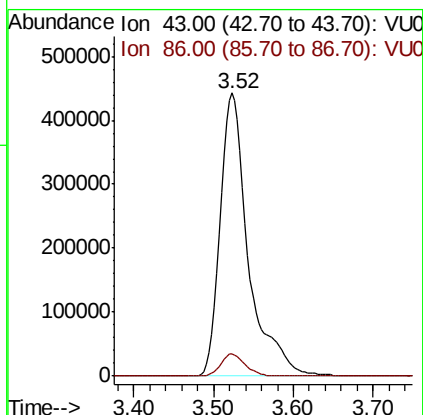
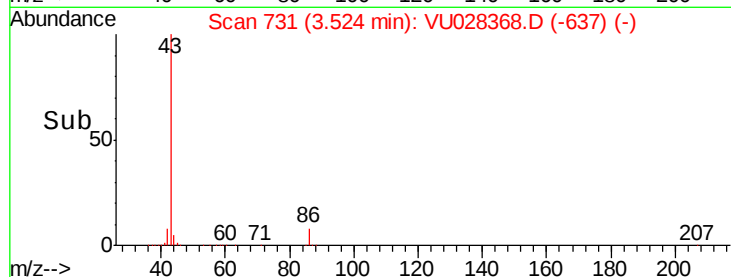
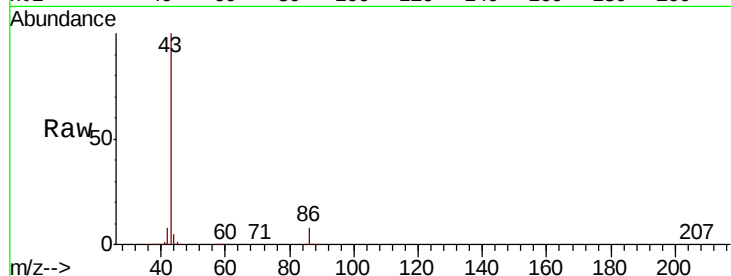
VU1128WBS01

Tot Ion: 43 Resp: 1080292

Ion Ratio Lower Upper

43 100

86 7.9 6.5 9.7



#24

1,1-Dichloroethane

Concen: 20.701 ug/l

RT: 3.44 min Scan# 706

Delta R.T. 0.00 min

Lab File: VU028368.D

Acq: 28 Nov 2018 16:07

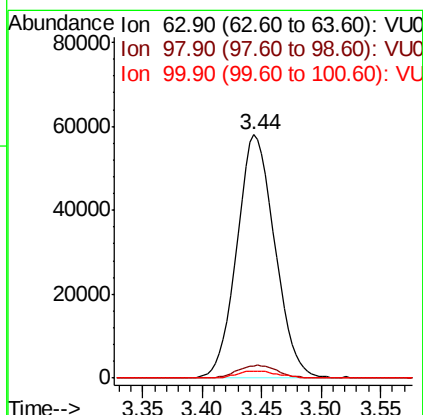
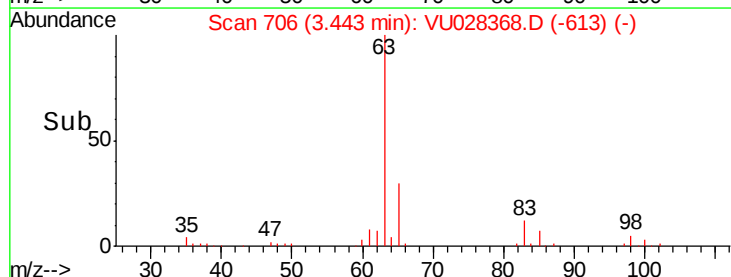
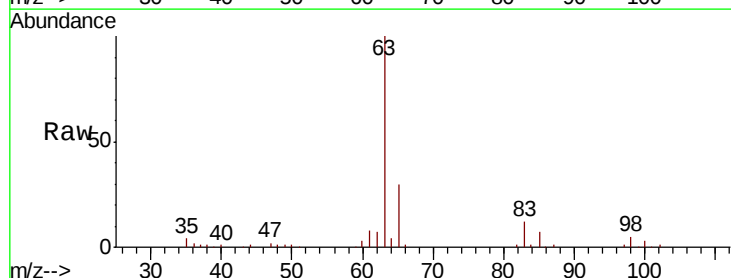
Tgt Ion: 63 Resp: 128282

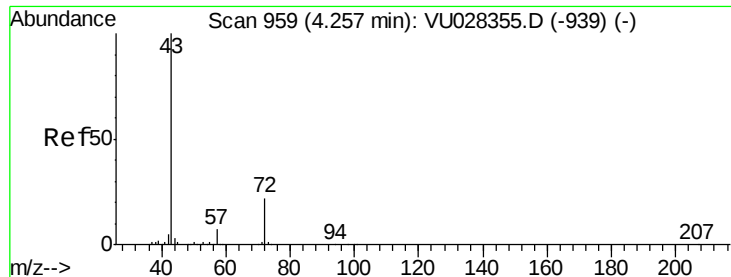
Ion Ratio Lower Upper

63 100

98 5.2 2.9 8.6

100 3.0 1.7 5.1





#25

2-Butanone

Concen: 102.484 ug/l

RT: 4.26 min Scan# 960

Delta R.T. 0.00 min

Lab File: VU028368.D

Acq: 28 Nov 2018 16:07

Instrument :

MSVOA_U

ClientSampleId :

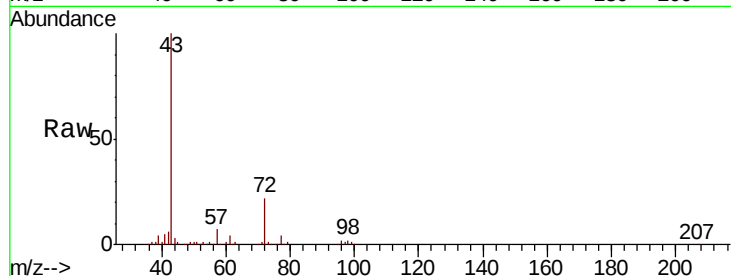
VU1128WBS01

Tot Ion: 43 Resp: 343447

Ion Ratio Lower Upper

43 100

72 22.2 17.7 26.5



Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 72.00 (71.70 to 72.70): VU0

4.26

150000

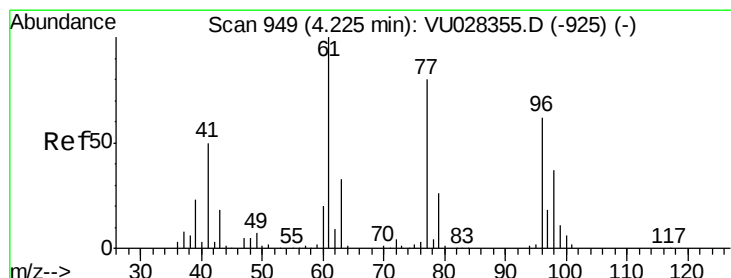
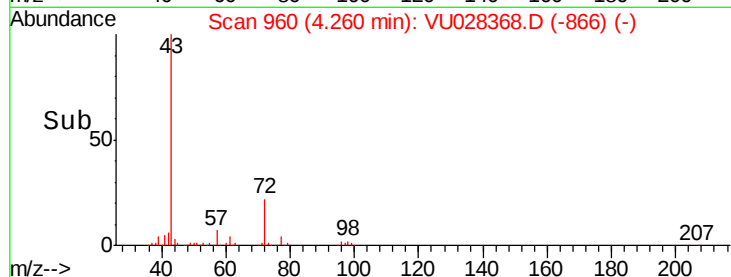
100000

50000

0

Time-->

4.15 4.20 4.25 4.30 4.35



#26

2,2-Dichloropropane

Concen: 19.338 ug/l

RT: 4.22 min Scan# 949

Delta R.T. 0.00 min

Lab File: VU028368.D

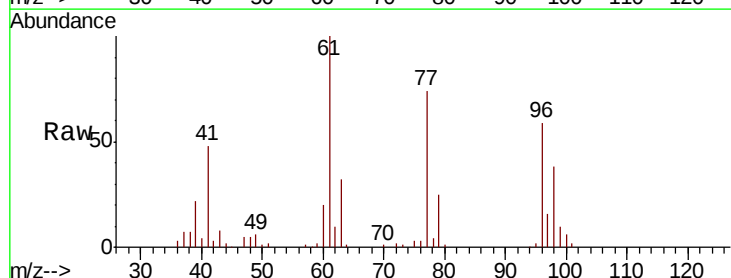
Acq: 28 Nov 2018 16:07

Tgt Ion: 77 Resp: 95169

Ion Ratio Lower Upper

77 100

97 21.4 10.7 32.1



Abundance Ion 76.90 (76.60 to 77.60): VU0

Ion 96.90 (96.60 to 97.60): VU0

4.22

40000

30000

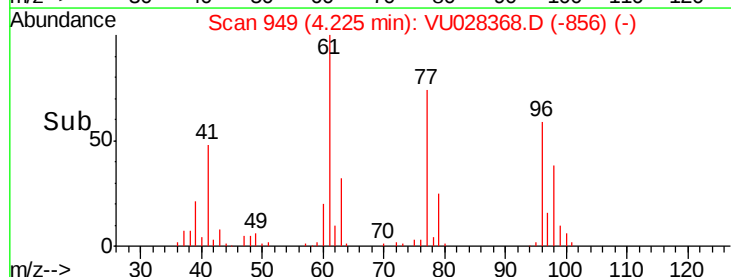
20000

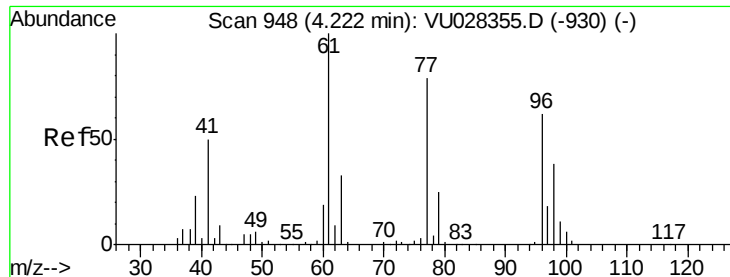
10000

0

Time-->

4.10 4.20 4.30



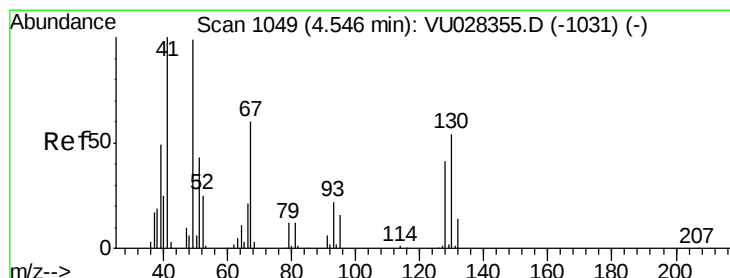
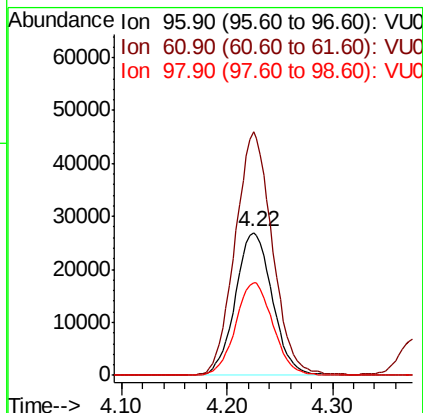
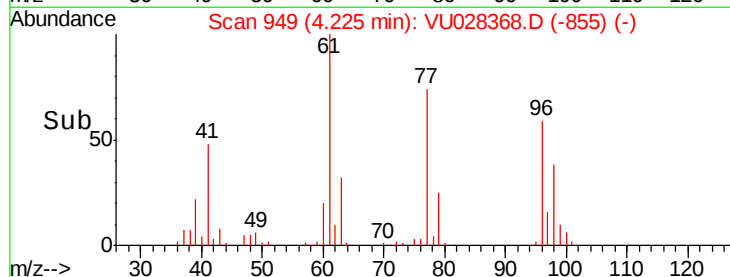
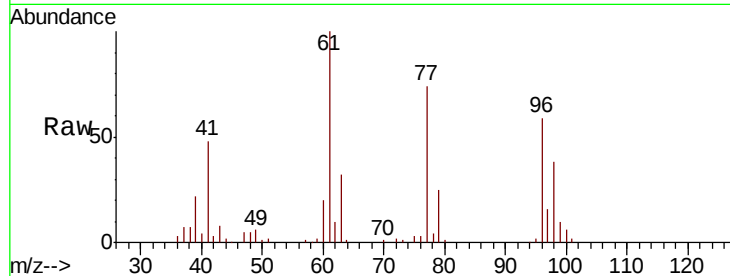


#27

cis-1,2-Dichloroethene
 Concen: 19.560 ug/l
 RT: 4.22 min Scan# 949
 Delta R.T. 0.00 min
 Lab File: VU028368.D
 Acq: 28 Nov 2018 16:07

Instrument :
 MSVOA_U
 ClientSampleId :
 VU1128WBS01

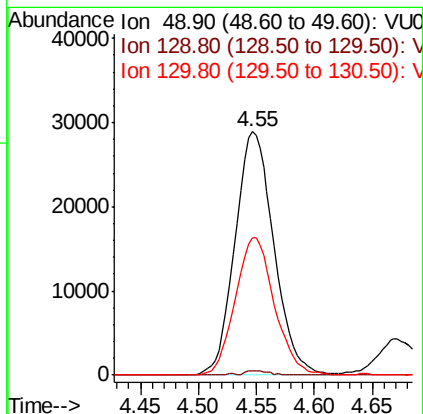
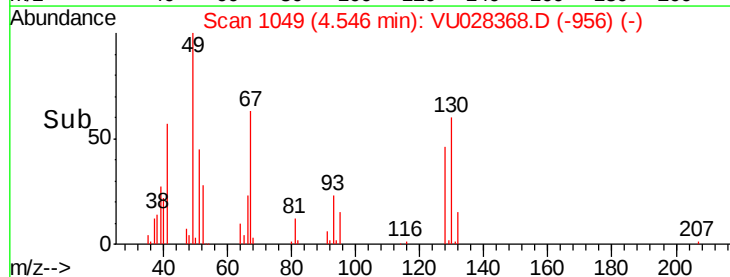
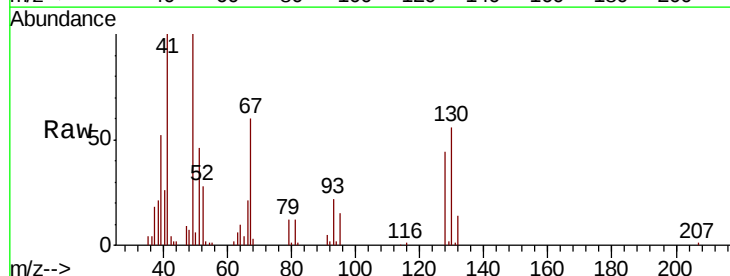
Tot Ion: 96 Resp: 65553
 Ion Ratio Lower Upper
 96 100
 61 172.2 0.0 342.0
 98 65.6 0.0 126.4

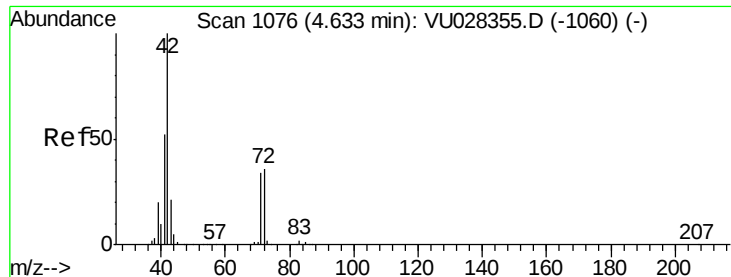


#28

Bromochloromethane
 Concen: 21.697 ug/l
 RT: 4.55 min Scan# 1049
 Delta R.T. 0.00 min
 Lab File: VU028368.D
 Acq: 28 Nov 2018 16:07

Tgt Ion: 49 Resp: 67229
 Ion Ratio Lower Upper
 49 100
 129 1.0 0.0 2.6
 130 56.7 44.5 66.7

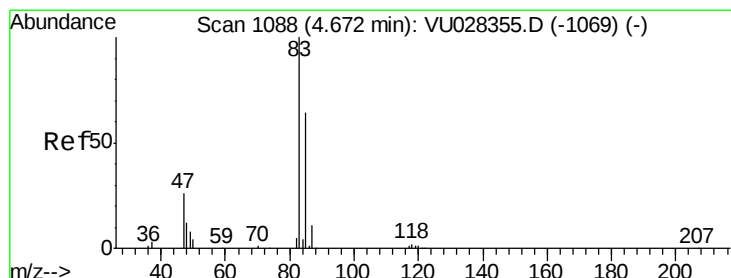
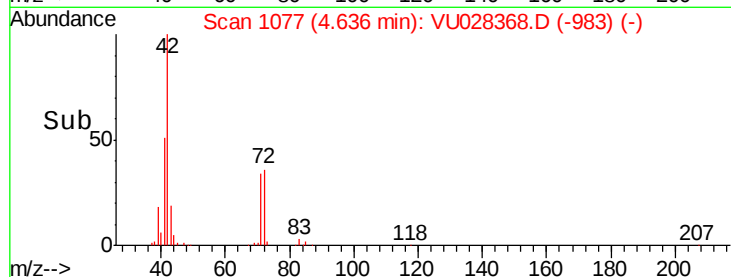
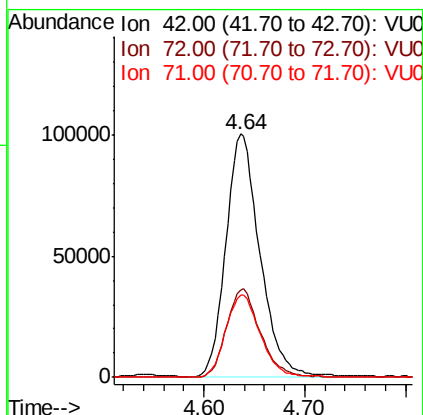
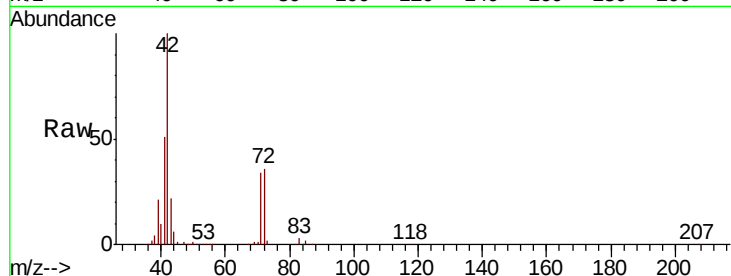




#29
Tetrahydrofuran
Concen: 108.124 ug/l
RT: 4.64 min Scan# 1077
Delta R.T. 0.00 min
Lab File: VU028368.D
Acq: 28 Nov 2018 16:07

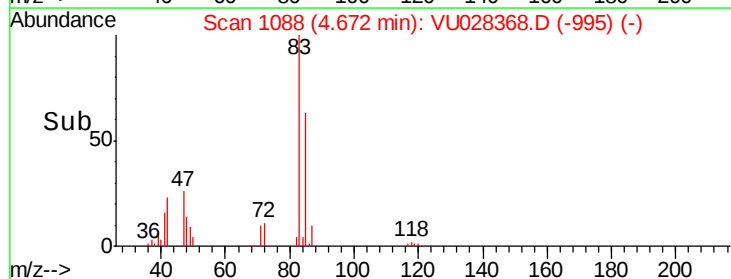
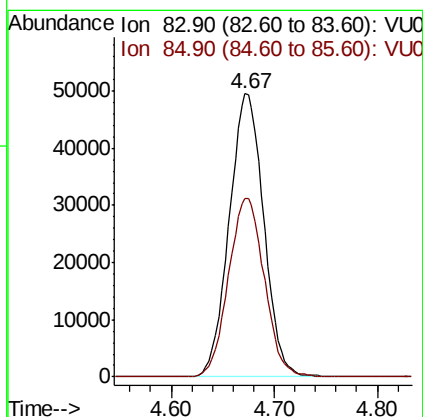
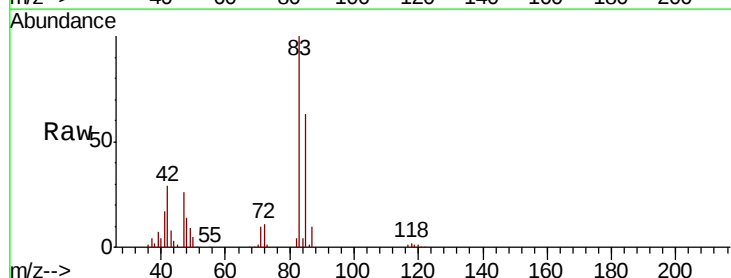
Instrument :
MSVOA_U
ClientSampleId :
VU1128WBS01

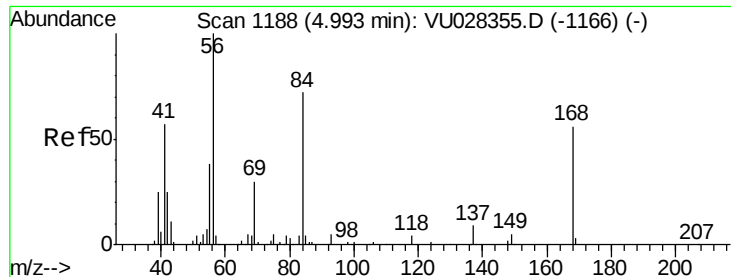
Tot Ion	Ratio	Lower	Upper
42	100		
72	36.4	29.5	44.3
71	34.8	27.7	41.5



#30
Chloroform
Concen: 20.180 ug/l
RT: 4.67 min Scan# 1088
Delta R.T. 0.00 min
Lab File: VU028368.D
Acq: 28 Nov 2018 16:07

Tgt Ion	Ratio	Lower	Upper
83	100		
85	62.9	51.2	76.8

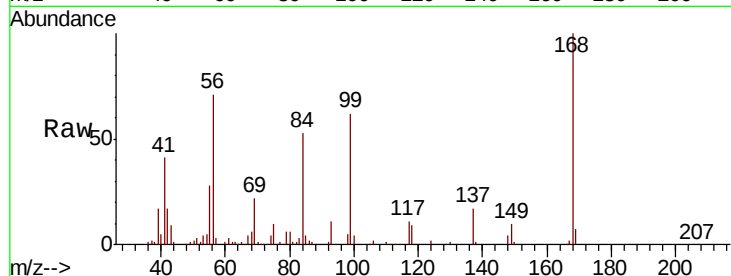




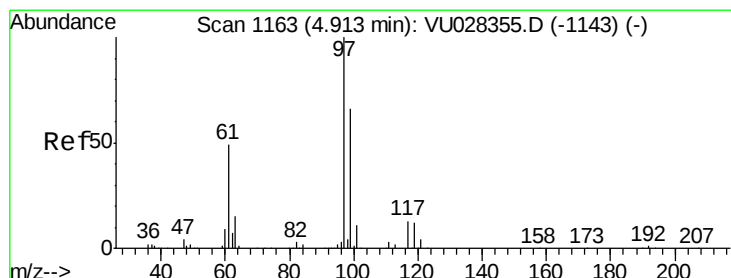
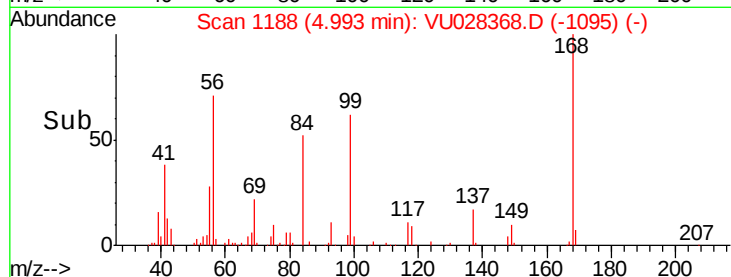
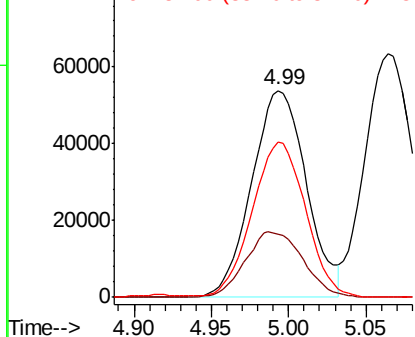
#31
Cyclohexane
Concen: 20.668 ug/l
RT: 4.99 min Scan# 1188
Delta R.T. 0.00 min
Lab File: VU028368.D
Acq: 28 Nov 2018 16:07

Instrument :
MSVOA_U
ClientSampleId :
VU1128WBS01

Tot Ion: 56 Resp: 132919
Ion Ratio Lower Upper
56 100
69 30.8 23.7 35.5
84 74.0 57.3 85.9

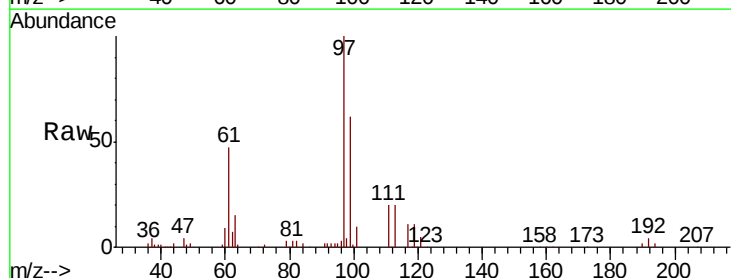


Abundance Ion 56.00 (55.70 to 56.70): VU0
Ion 69.00 (68.70 to 69.70): VU0
Ion 84.00 (83.70 to 84.70): VU0

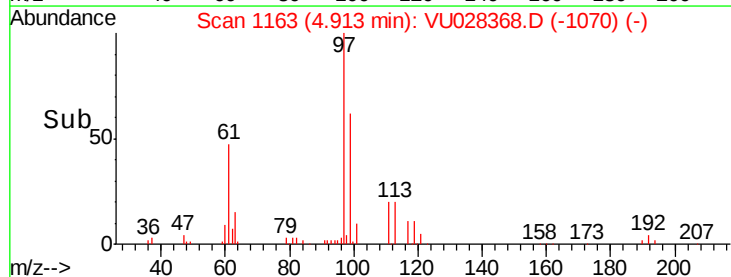
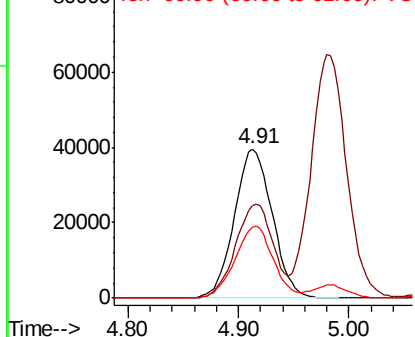


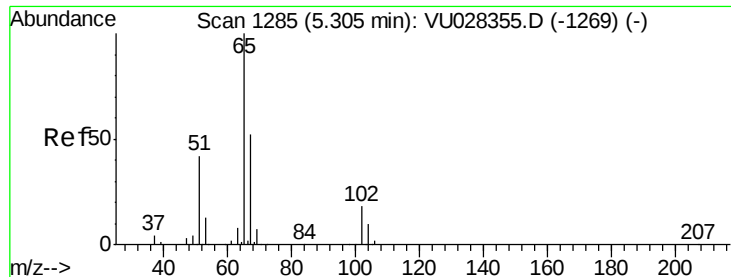
#32
1,1,1-Trichloroethane
Concen: 20.525 ug/l
RT: 4.91 min Scan# 1163
Delta R.T. 0.00 min
Lab File: VU028368.D
Acq: 28 Nov 2018 16:07

Tgt Ion: 97 Resp: 94205
Ion Ratio Lower Upper
97 100
99 62.6 50.8 76.2
61 48.6 39.1 58.7



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

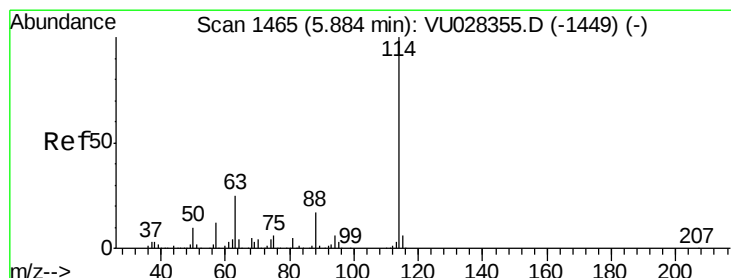
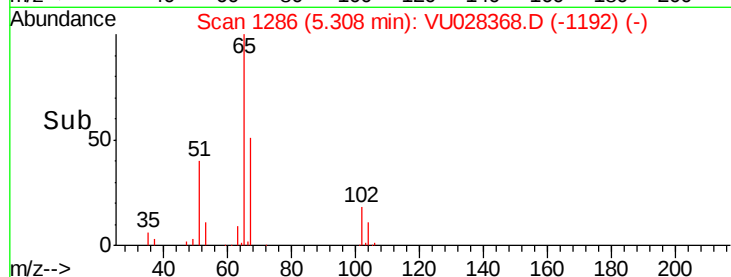
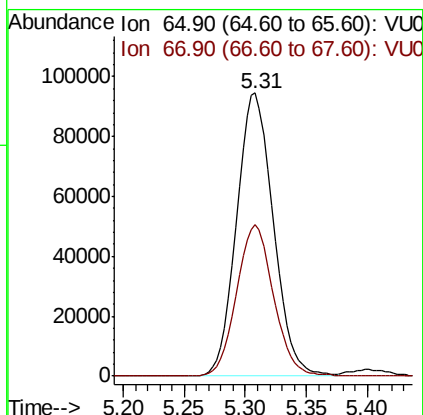
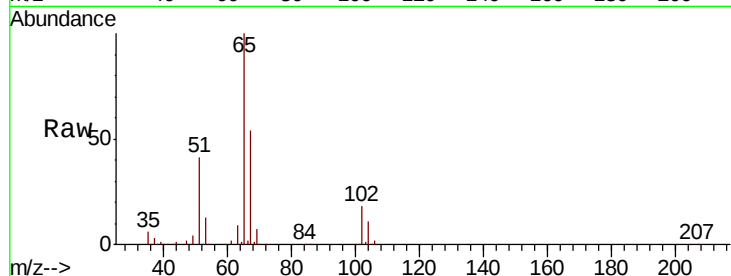




#33
 1,2-Dichloroethane-d4
 Concen: 51.546 ug/l
 RT: 5.31 min Scan# 1286
 Delta R.T. 0.00 min
 Lab File: VU028368.D
 Acq: 28 Nov 2018 16:07

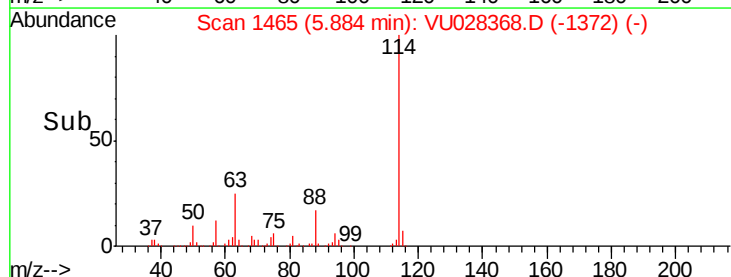
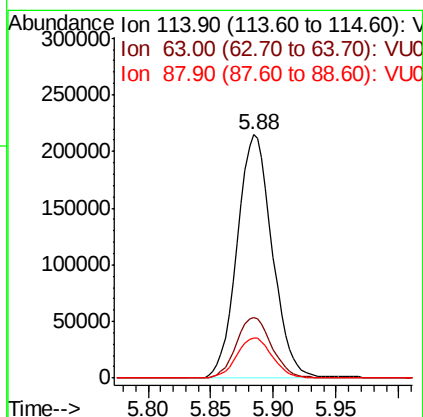
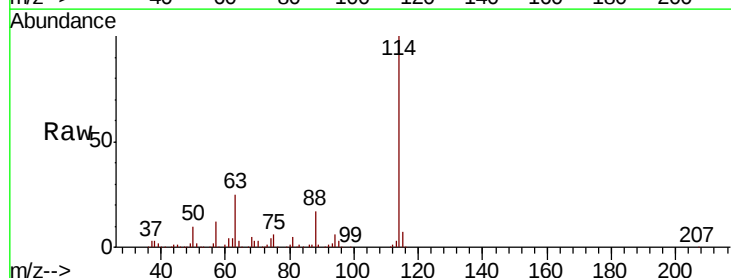
Instrument :
 MSVOA_U
 ClientSampleId :
 VU1128WBS01

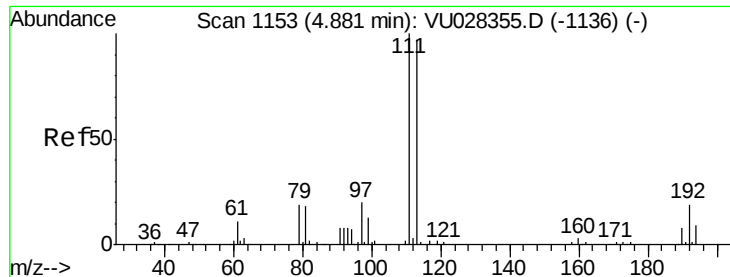
Tot Ion: 65 Resp: 197038
 Ion Ratio Lower Upper
 65 100
 67 53.6 0.0 106.8



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 5.88 min Scan# 1465
 Delta R.T. 0.00 min
 Lab File: VU028368.D
 Acq: 28 Nov 2018 16:07

Tgt Ion: 114 Resp: 417847
 Ion Ratio Lower Upper
 114 100
 63 24.9 0.0 50.0
 88 16.6 0.0 34.4





#35

Dibromofluoromethane

Concen: 48.800 ug/l

RT: 4.88 min Scan# 1153

Delta R.T. 0.00 min

Lab File: VU028368.D

Acq: 28 Nov 2018 16:07

Instrument :

MSVOA_U

ClientSampleId :

VU1128WBS01

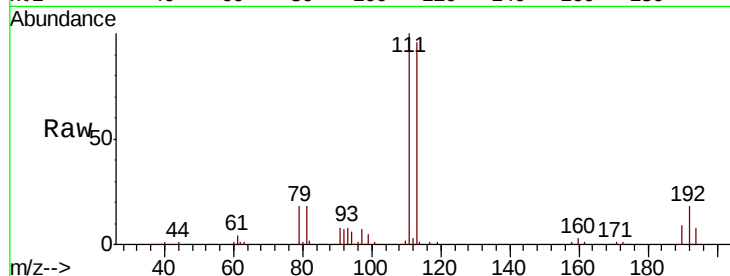
Tot Ion:113 Resp: 135592

Ion Ratio Lower Upper

113 100

111 105.1 82.9 124.3

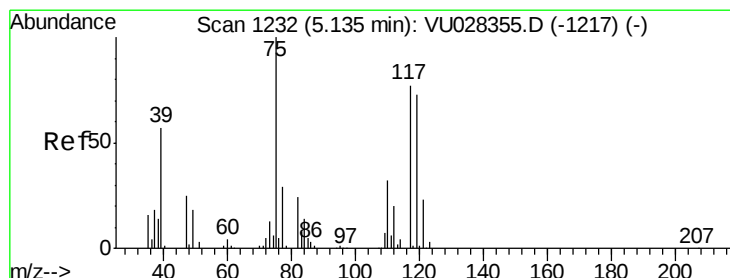
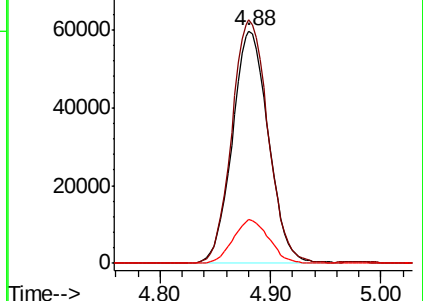
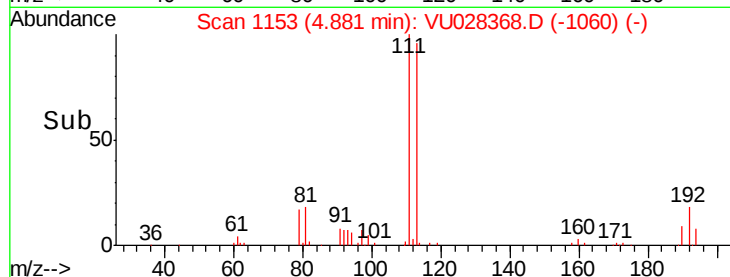
192 18.6 15.4 23.0



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: 18.602 ug/l

RT: 5.13 min Scan# 1232

Delta R.T. 0.00 min

Lab File: VU028368.D

Acq: 28 Nov 2018 16:07

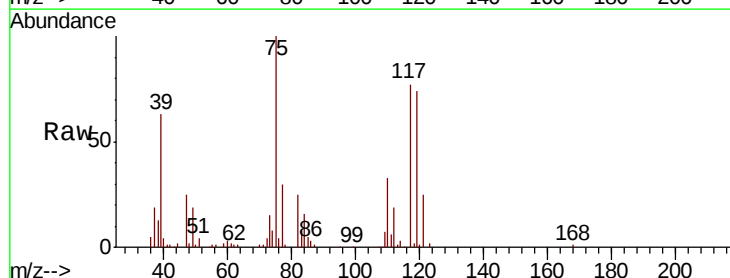
Tgt Ion: 75 Resp: 85055

Ion Ratio Lower Upper

75 100

110 33.3 15.8 47.4

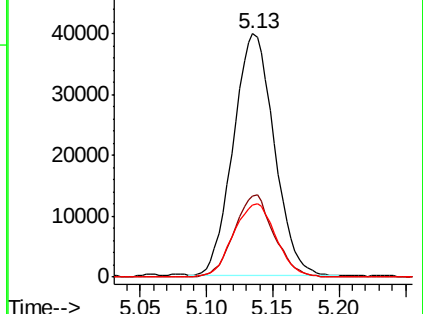
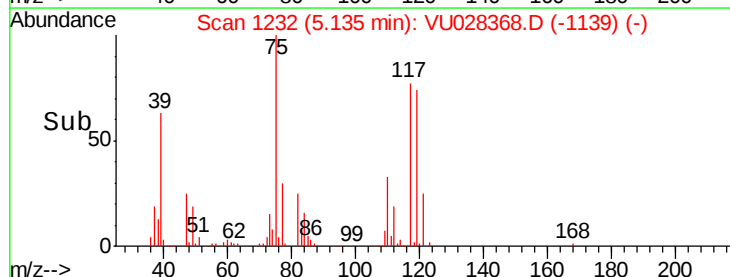
77 31.9 24.6 36.8

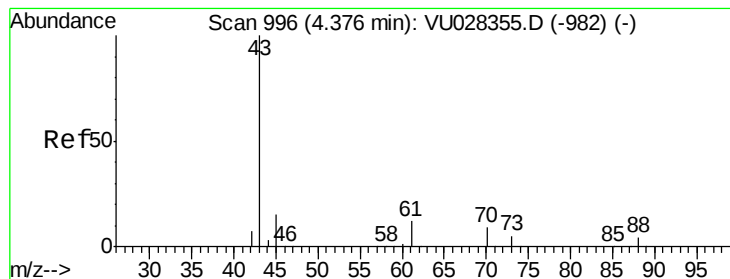


Abundance Ion 74.90 (74.60 to 75.60): VU0

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VU0





#37

Ethyl Acetate

Concen: 20.590 ug/l

RT: 4.38 min Scan# 998

Delta R.T. 0.01 min

Lab File: VU028368.D

Acq: 28 Nov 2018 16:07

Instrument :

MSVOA_U

ClientSampleId :

VU1128WBS01

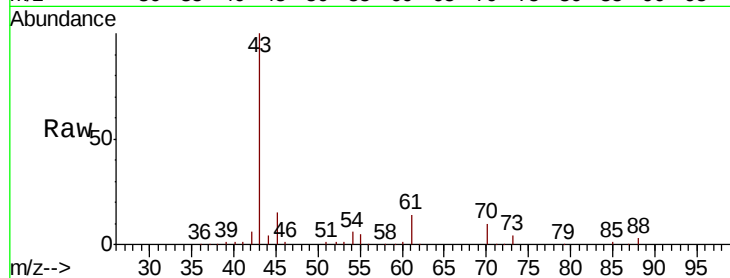
Tot Ion: 43 Resp: 128301

Ion Ratio Lower Upper

43 100

61 13.9 10.2 15.4

70 9.0 6.9 10.3

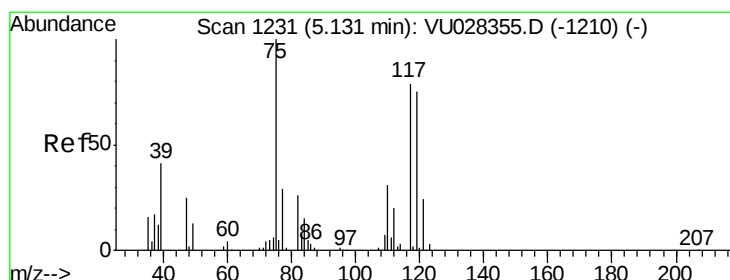
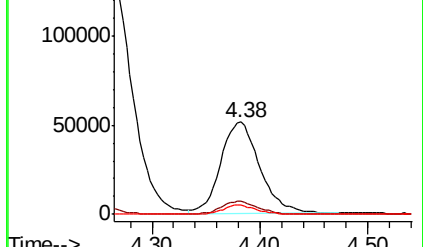
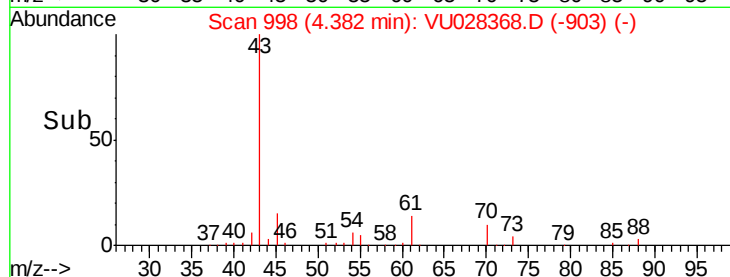


Abundance Ion 43.00 (42.70 to 43.70): VU028355.D (-982) (-)

Ion 60.90 (60.60 to 61.60): VU028355.D (-982) (-)

Ion 70.00 (69.70 to 70.70): VU028355.D (-982) (-)

Time-->



#38

Carbon Tetrachloride

Concen: 19.114 ug/l

RT: 5.13 min Scan# 1232

Delta R.T. 0.00 min

Lab File: VU028368.D

Acq: 28 Nov 2018 16:07

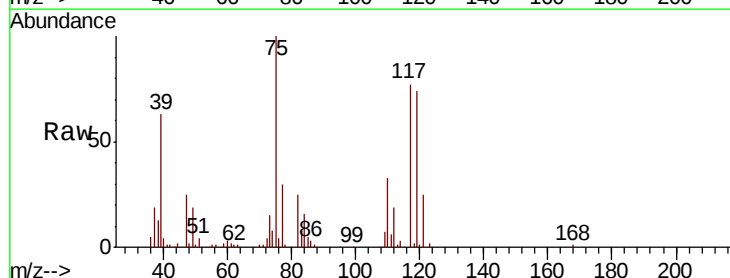
Tgt Ion: 117 Resp: 71770

Ion Ratio Lower Upper

117 100

119 95.9 76.3 114.5

121 32.5 24.7 37.1

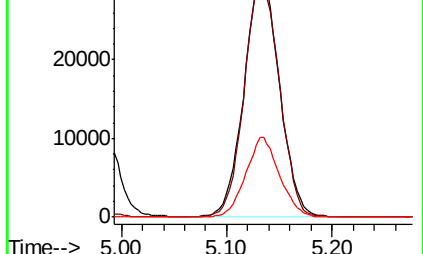
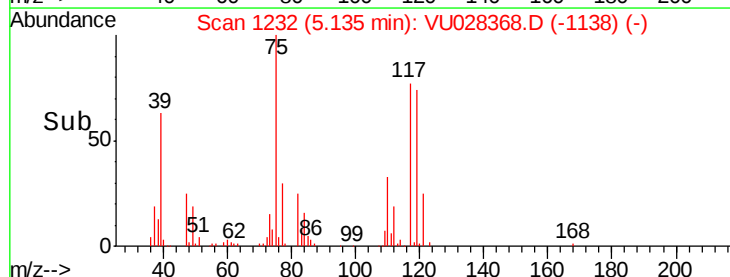


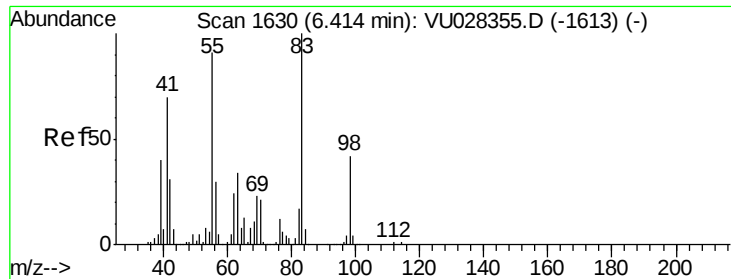
Abundance Ion 116.80 (116.50 to 117.50): VU028355.D (-1210) (-)

Ion 118.80 (118.50 to 119.50): VU028355.D (-1210) (-)

Ion 120.80 (120.50 to 121.50): VU028355.D (-1210) (-)

Time-->

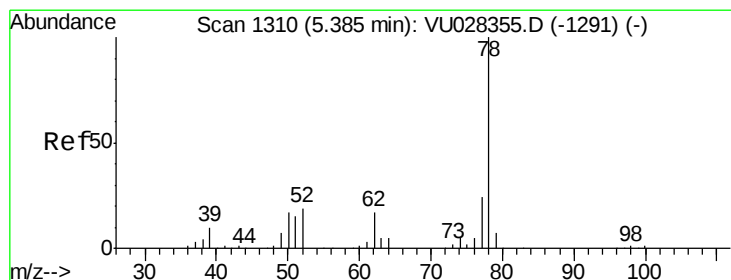
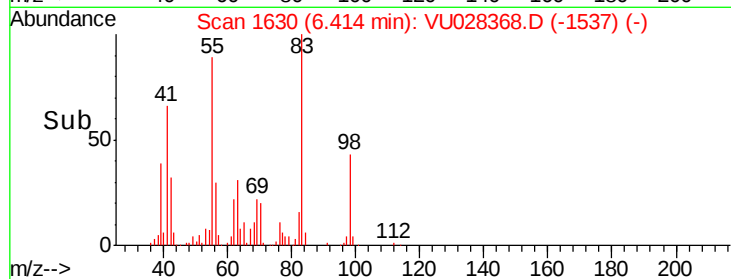
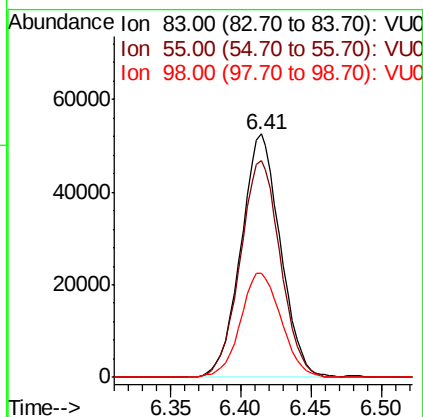
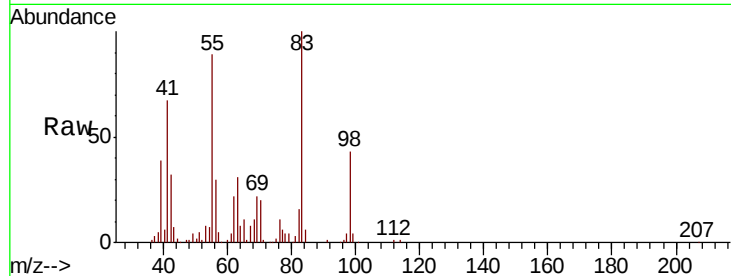




#39
Methvlcvclohexane
Concen: 19.103 ug/l
RT: 6.41 min Scan# 1630
Delta R.T. 0.00 min
Lab File: VU028368.D
Acq: 28 Nov 2018 16:07

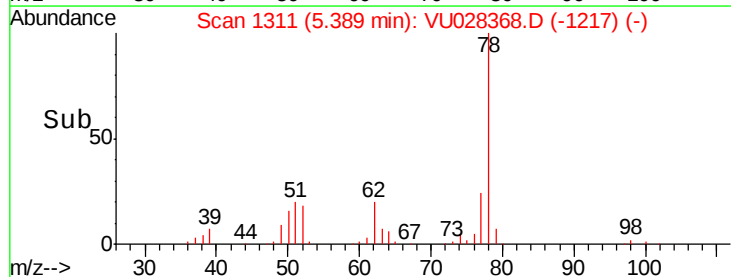
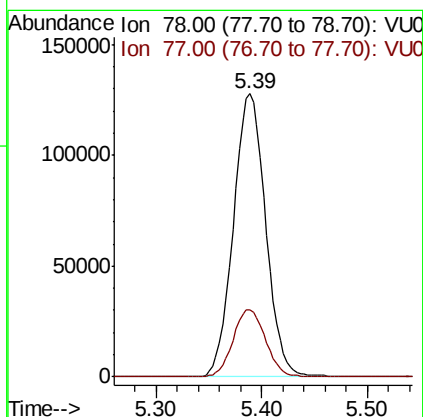
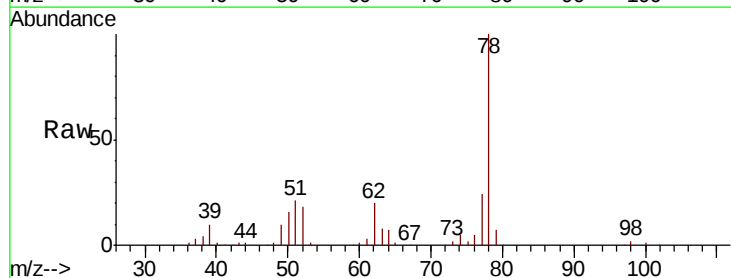
Instrument :
MSVOA_U
ClientSampleId :
VU1128WBS01

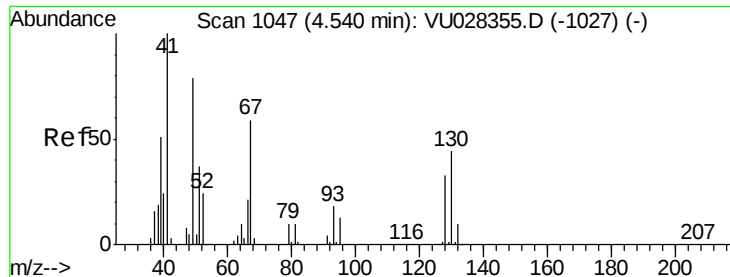
Tot Ion: 83 Resp: 102983
Ion Ratio Lower Upper
83 100
55 88.8 73.1 109.7
98 43.0 33.9 50.9



#40
Benzene
Concen: 20.023 ug/l
RT: 5.39 min Scan# 1311
Delta R.T. 0.00 min
Lab File: VU028368.D
Acq: 28 Nov 2018 16:07

Tgt Ion: 78 Resp: 271164
Ion Ratio Lower Upper
78 100
77 23.7 19.0 28.6

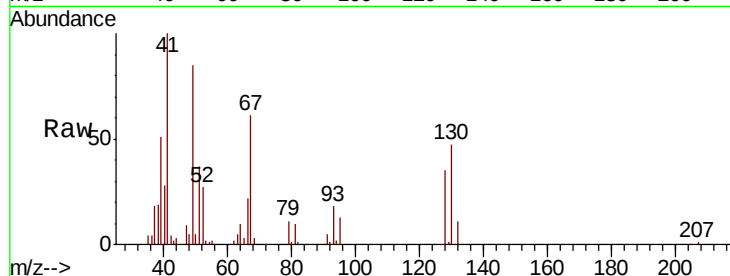




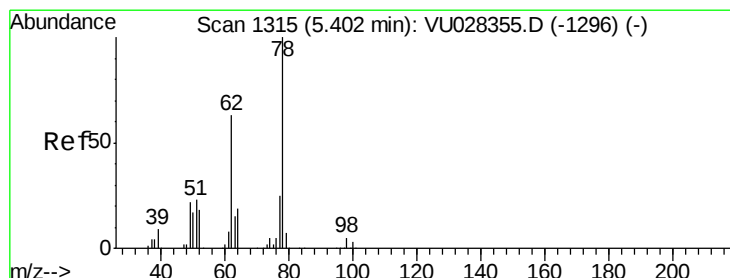
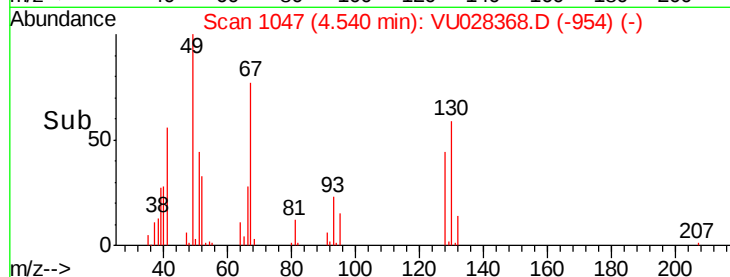
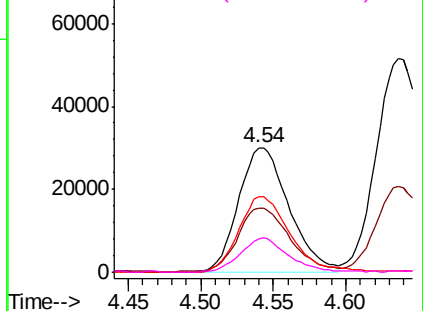
#41
Methacrylonitrile
Concen: 21.073 ug/l
RT: 4.54 min Scan# 1047
Delta R.T. 0.00 min
Lab File: VU028368.D
Acq: 28 Nov 2018 16:07

Instrument :
MSVOA_U
ClientSampleId :
VU1128WBS01

Tot Ion:	41	Resp:	72921
Ion	Ratio	Lower	Upper
41	100		
39	53.8	41.3	61.9
67	61.6	48.6	73.0
52	26.1	19.4	29.0

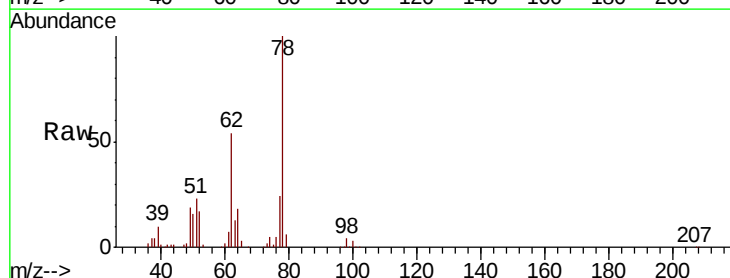


Abundance Ion 41.00 (40.70 to 41.70): VU0
Ion 39.00 (38.70 to 39.70): VU0
Ion 67.00 (66.70 to 67.70): VU0
Ion 52.00 (51.70 to 52.70): VU0

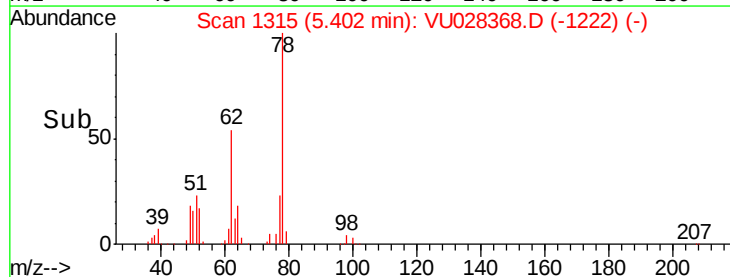
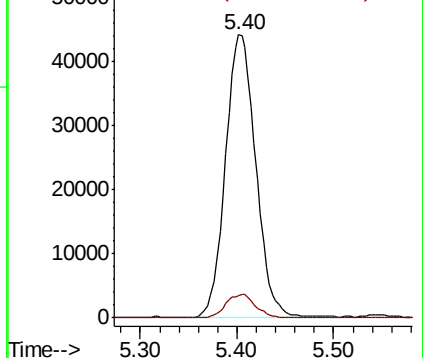


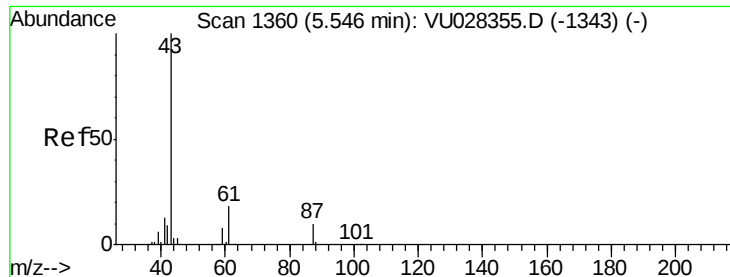
#42
1,2-Dichloroethane
Concen: 19.784 ug/l
RT: 5.40 min Scan# 1315
Delta R.T. 0.00 min
Lab File: VU028368.D
Acq: 28 Nov 2018 16:07

Tgt Ion:	62	Resp:	96520
Ion	Ratio	Lower	Upper
62	100		
98	8.0	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: 20.797 ug/l

RT: 5.55 min Scan# 1360

Delta R.T. 0.00 min

Lab File: VU028368.D

Acq: 28 Nov 2018 16:07

Instrument :

MSVOA_U

ClientSampleId :

VU1128WBS01

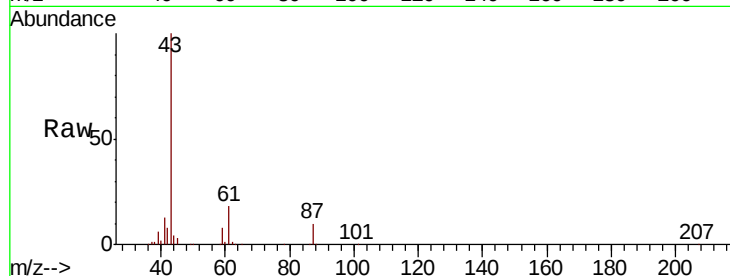
Tot Ion: 43 Resp: 205356

Ion Ratio Lower Upper

43 100

61 18.2 14.5 21.7

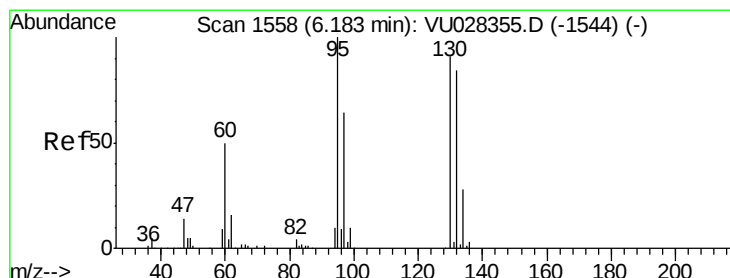
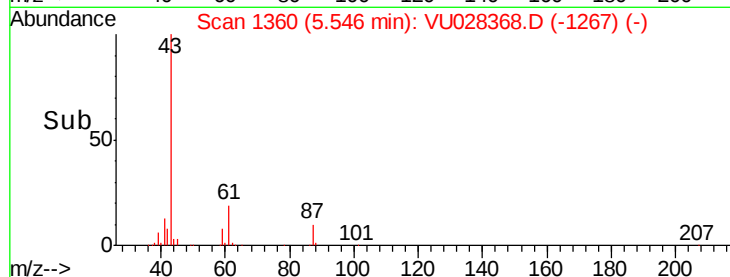
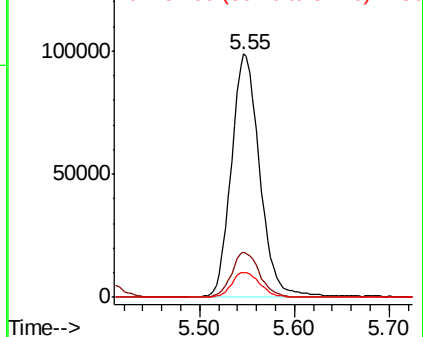
87 10.5 8.4 12.6



Abundance Ion 43.00 (42.70 to 43.70): VU028355.D (-1343) (-)

Ion 61.00 (60.70 to 61.70): VU028355.D (-1343) (-)

Ion 87.00 (86.70 to 87.70): VU028355.D (-1343) (-)



#44

Trichloroethene

Concen: 19.571 ug/l

RT: 6.19 min Scan# 1559

Delta R.T. 0.00 min

Lab File: VU028368.D

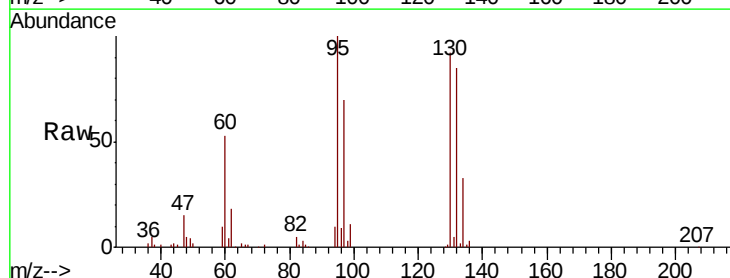
Acq: 28 Nov 2018 16:07

Tgt Ion:130 Resp: 56813

Ion Ratio Lower Upper

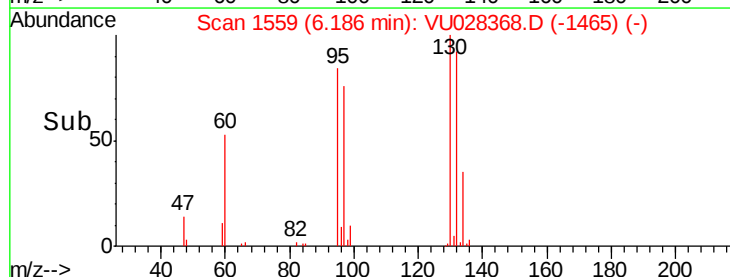
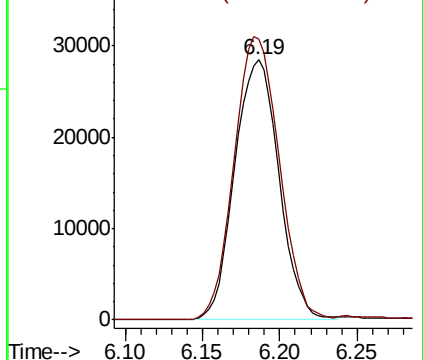
130 100

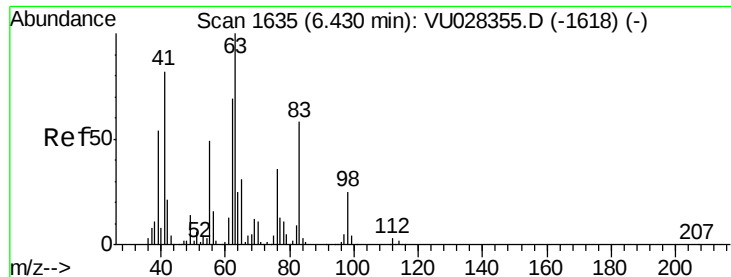
95 108.2 0.0 219.8



Abundance Ion 129.80 (129.50 to 130.50): VU028355.D (-1544) (-)

Ion 94.90 (94.60 to 95.60): VU028355.D (-1544) (-)





#45

1,2-Dichloropropane

Concen: 19.998 ug/l

RT: 6.43 min Scan# 1635

Delta R.T. 0.00 min

Lab File: VU028368.D

Acq: 28 Nov 2018 16:07

Instrument :

MSVOA_U

ClientSampleId :

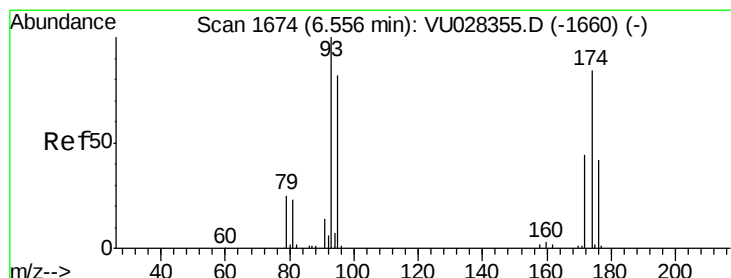
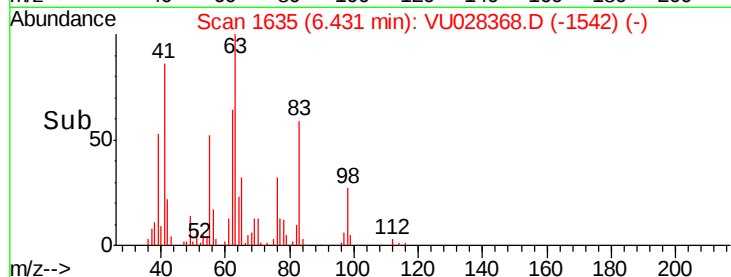
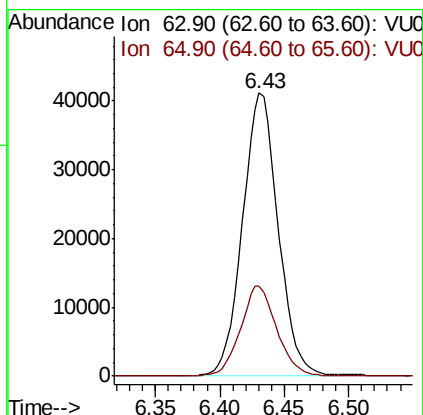
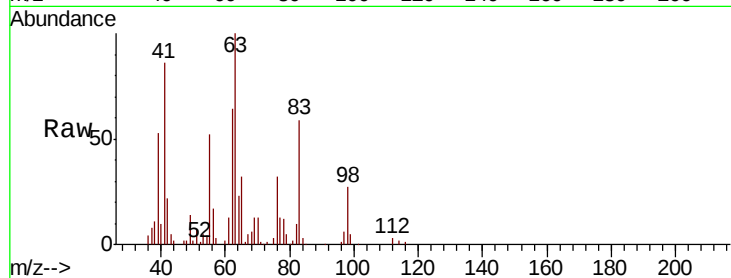
VU1128WBS01

Tot Ion: 63 Resp: 79309

Ion Ratio Lower Upper

63 100

65 31.9 25.1 37.7



#46

Dibromomethane

Concen: 19.923 ug/l

RT: 6.56 min Scan# 1675

Delta R.T. 0.00 min

Lab File: VU028368.D

Acq: 28 Nov 2018 16:07

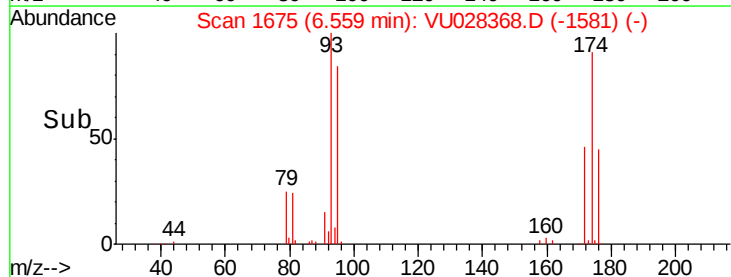
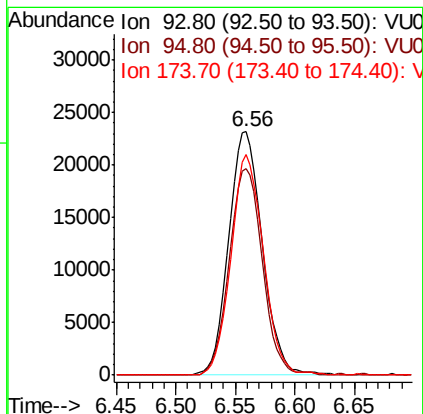
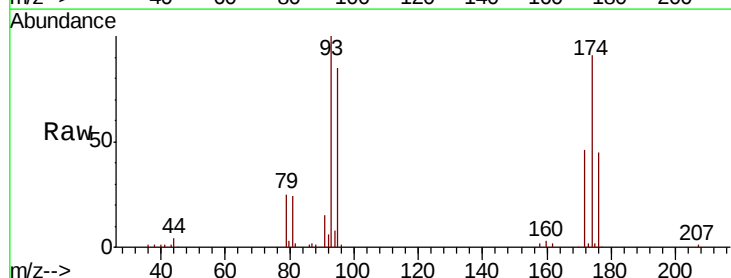
Tgt Ion: 93 Resp: 45383

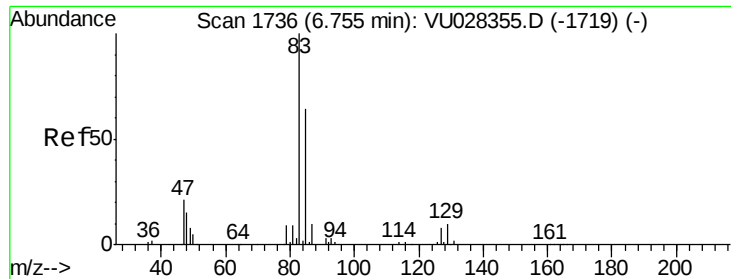
Ion Ratio Lower Upper

93 100

95 83.5 65.1 97.7

174 87.1 69.9 104.9

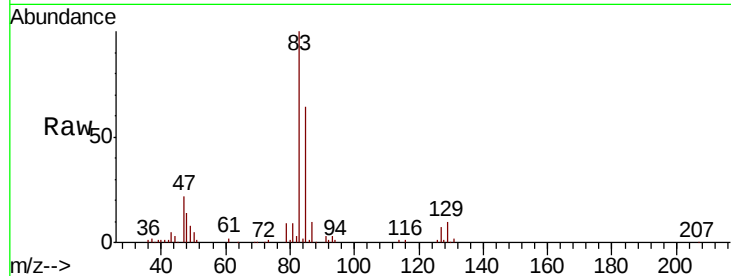




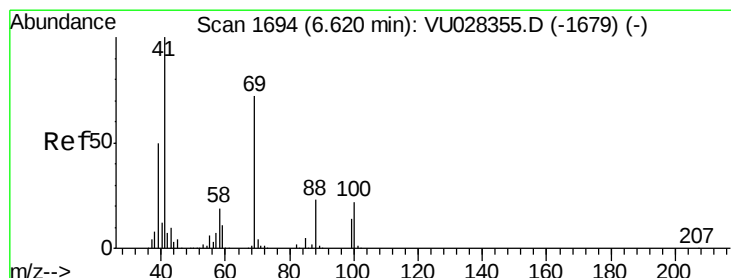
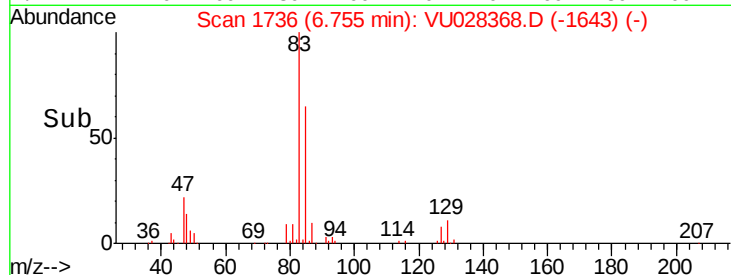
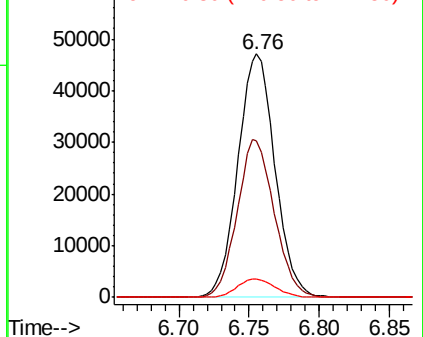
#47
Bromodichloromethane
Concen: 19.164 ug/l
RT: 6.76 min Scan# 1736
Delta R.T. 0.00 min
Lab File: VU028368.D
Acq: 28 Nov 2018 16:07

Instrument :
MSVOA_U
ClientSampleId :
VU1128WBS01

Tot Ion: 83 Resp: 86832
Ion Ratio Lower Upper
83 100
85 64.3 50.9 76.3
127 7.4 6.2 9.4

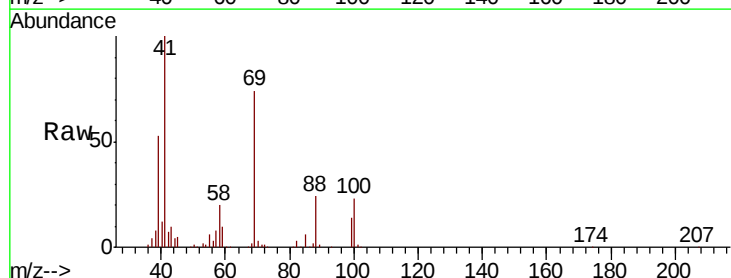


Abundance Ion 82.90 (82.60 to 83.60): VU0
Ion 84.90 (84.60 to 85.60): VU0
Ion 126.80 (126.50 to 127.50): V

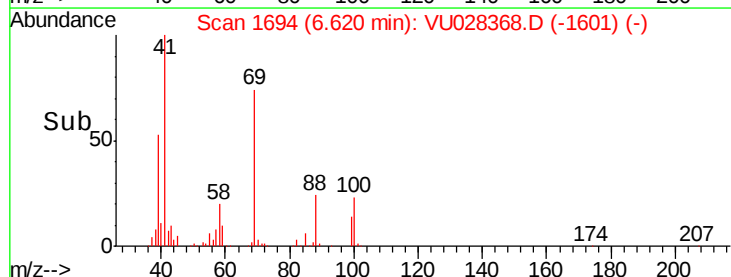
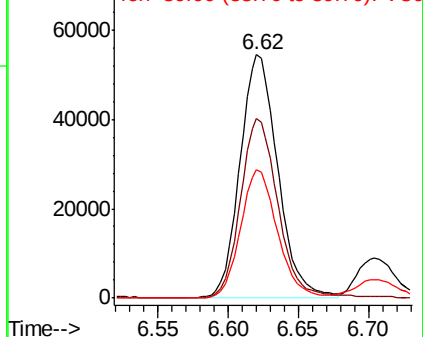


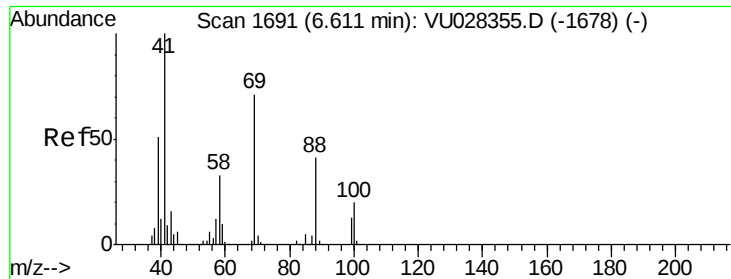
#48
Methyl methacrylate
Concen: 19.939 ug/l
RT: 6.62 min Scan# 1694
Delta R.T. 0.00 min
Lab File: VU028368.D
Acq: 28 Nov 2018 16:07

Tgt Ion: 41 Resp: 102555
Ion Ratio Lower Upper
41 100
69 72.9 59.0 88.4
39 51.4 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

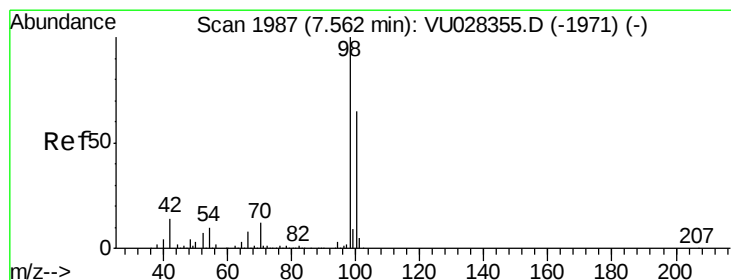
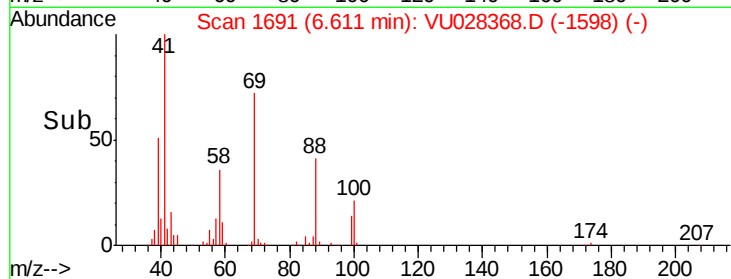
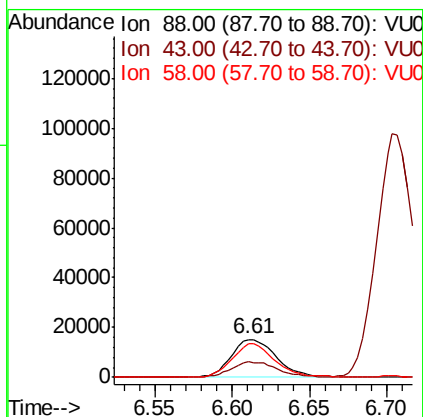
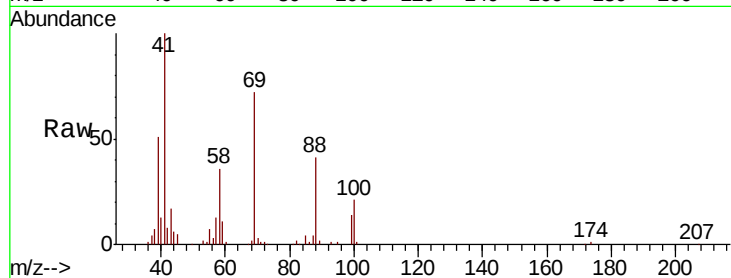




#49
1,4-Dioxane
Concen: 378.829 ug/l
RT: 6.61 min Scan# 1691
Delta R.T. 0.00 min
Lab File: VU028368.D
Acq: 28 Nov 2018 16:07

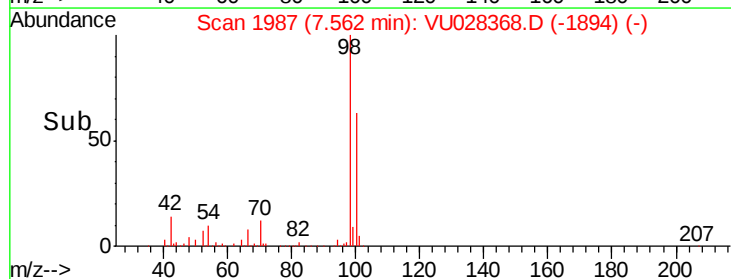
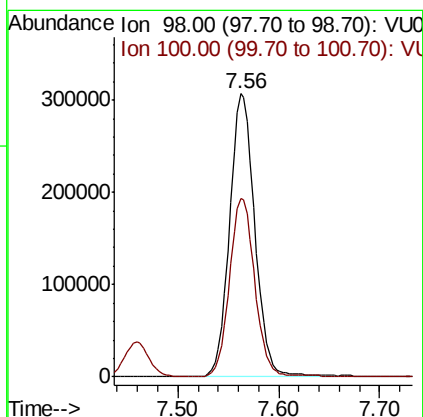
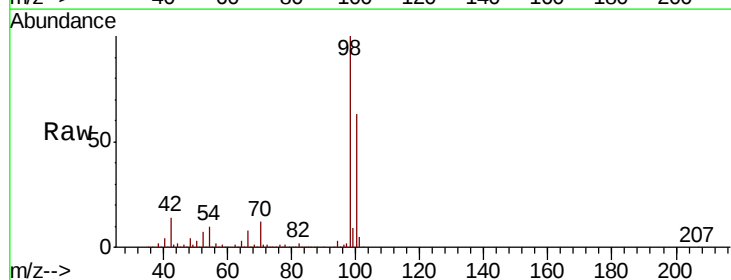
Instrument :
MSVOA_U
ClientSampleId :
VU1128WBS01

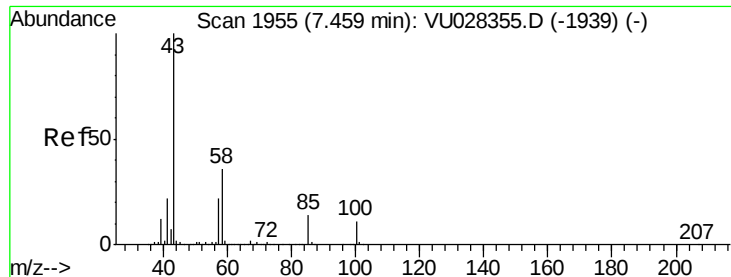
Tot Ion: 88 Resp: 31128
Ion Ratio Lower Upper
88 100
43 40.9 32.6 48.8
58 83.4 68.7 103.1



#50
Toluene-d8
Concen: 48.220 ug/l
RT: 7.56 min Scan# 1987
Delta R.T. 0.00 min
Lab File: VU028368.D
Acq: 28 Nov 2018 16:07

Tgt Ion: 98 Resp: 535830
Ion Ratio Lower Upper
98 100
100 63.0 50.8 76.2





#51

4-Methyl-2-Pentanone

Concen: 101.827 ug/l

RT: 7.46 min Scan# 1955

Delta R.T. 0.00 min

Lab File: VU028368.D

Acq: 28 Nov 2018 16:07

Instrument :

MSVOA_U

ClientSampleId :

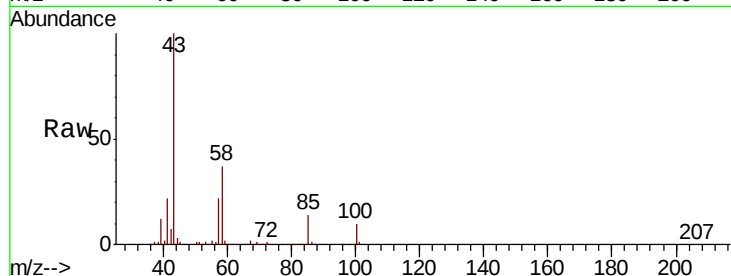
VU1128WBS01

Tot Ion: 43 Resp: 642179

Ion Ratio Lower Upper

43 100

58 36.7 28.8 43.2

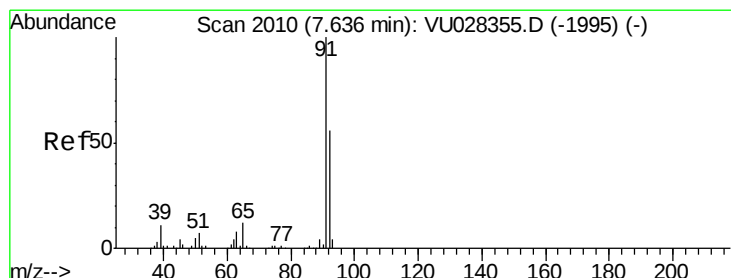
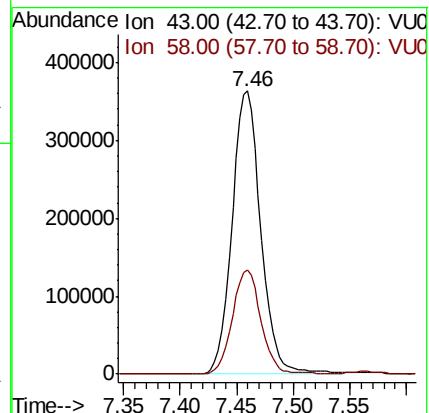
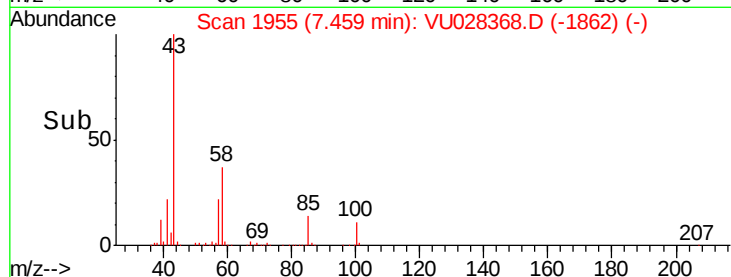


Abundance Ion 43.00 (42.70 to 43.70): VU028355.D (-1939) (-)

Ion 58.00 (57.70 to 58.70): VU028355.D (-1939) (-)

7.46

Time-->



#52

Toluene

Concen: 20.282 ug/l

RT: 7.64 min Scan# 2010

Delta R.T. 0.00 min

Lab File: VU028368.D

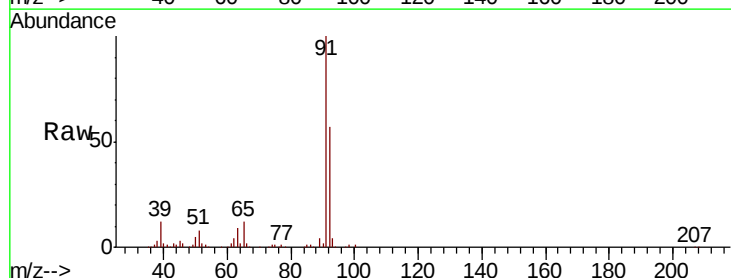
Acq: 28 Nov 2018 16:07

Tgt Ion: 92 Resp: 158166

Ion Ratio Lower Upper

92 100

91 176.5 141.8 212.6

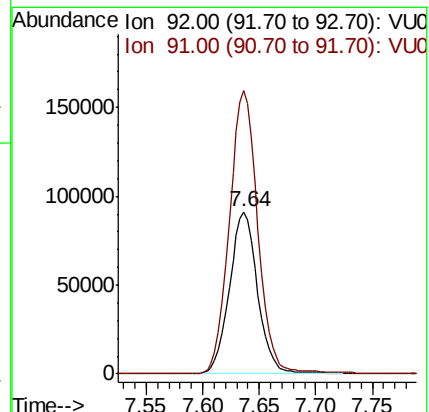
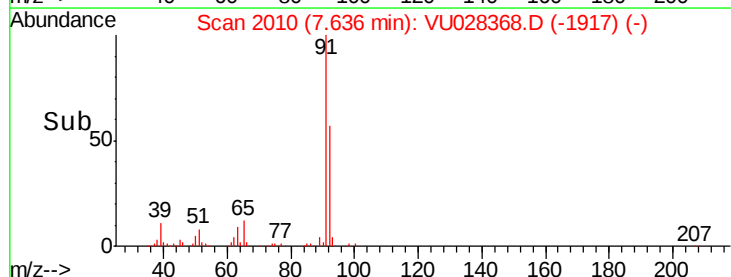


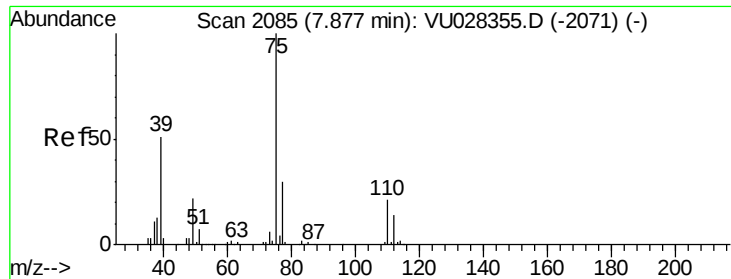
Abundance Ion 92.00 (91.70 to 92.70): VU028355.D (-1995) (-)

Ion 91.00 (90.70 to 91.70): VU028355.D (-1995) (-)

7.64

Time-->





#53

t-1,3-Dichloropropene

Concen: 18.959 ug/l

RT: 7.88 min Scan# 2085

Delta R.T. 0.00 min

Lab File: VU028368.D

Acq: 28 Nov 2018 16:07

Instrument :

MSVOA_U

ClientSampleId :

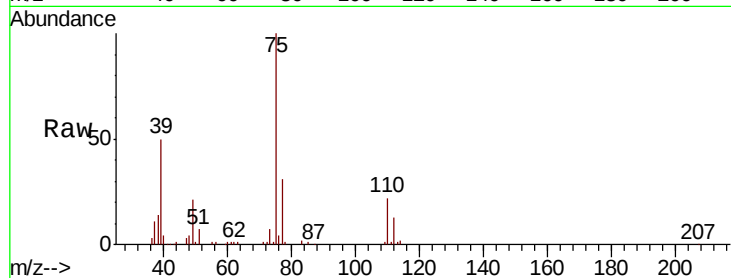
VU1128WBS01

Tot Ion: 75 Resp: 102718

Ion Ratio Lower Upper

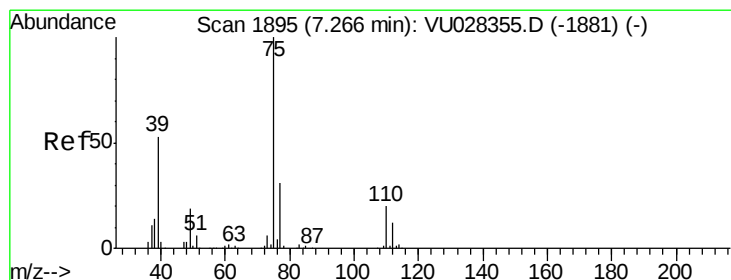
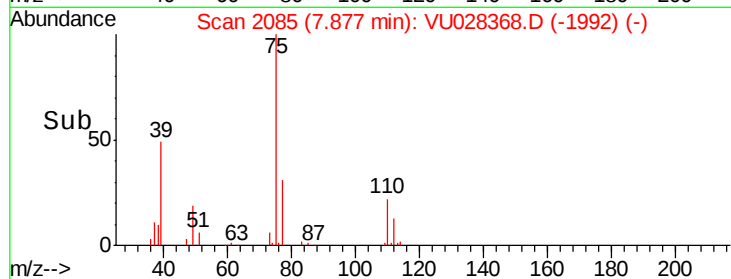
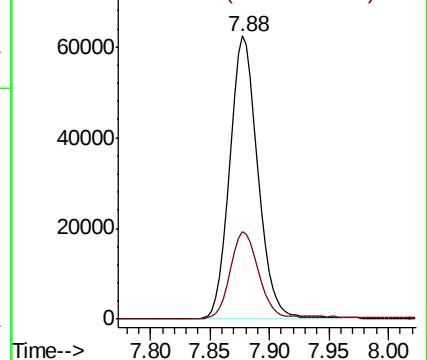
75 100

77 30.9 24.1 36.1



Abundance Ion 74.90 (74.60 to 75.60): VU0

Ion 76.90 (76.60 to 77.60): VU0



#54

cis-1,3-Dichloropropene

Concen: 19.206 ug/l

RT: 7.27 min Scan# 1895

Delta R.T. 0.00 min

Lab File: VU028368.D

Acq: 28 Nov 2018 16:07

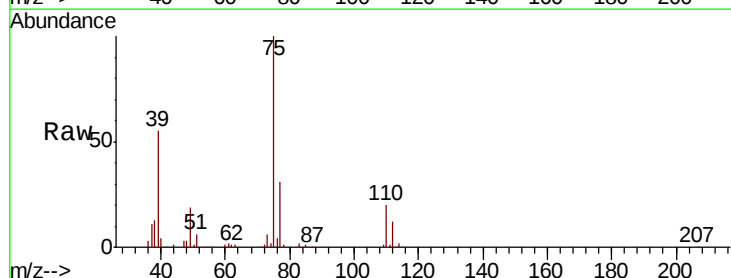
Tgt Ion: 75 Resp: 111476

Ion Ratio Lower Upper

75 100

77 30.6 24.9 37.3

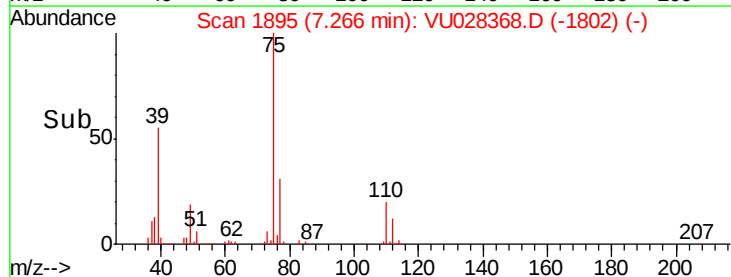
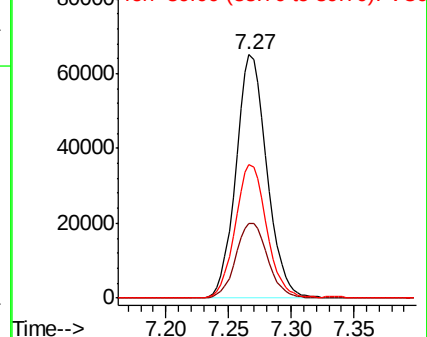
39 54.7 42.6 64.0

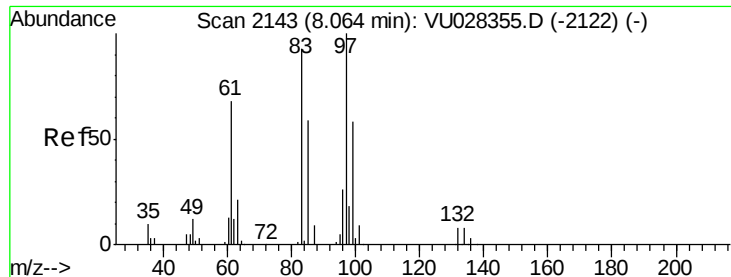


Abundance Ion 74.90 (74.60 to 75.60): VU0

Ion 76.90 (76.60 to 77.60): VU0

Ion 39.00 (38.70 to 39.70): VU0

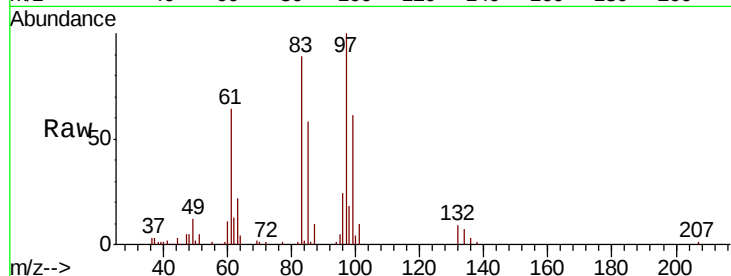




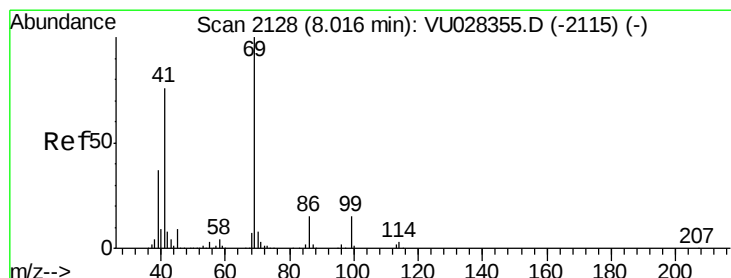
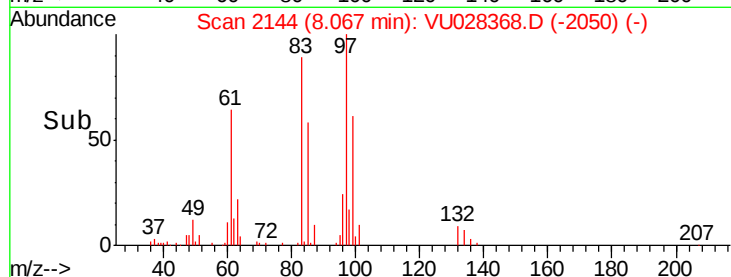
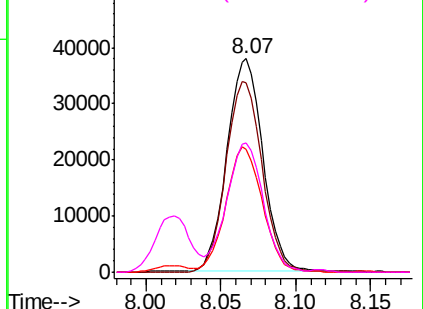
#55
 1,1,2-Trichloroethane
 Concen: 19.544 ug/l
 RT: 8.07 min Scan# 2144
 Delta R.T. 0.00 min
 Lab File: VU028368.D
 Acq: 28 Nov 2018 16:07

Instrument :
 MSVOA_U
 ClientSampleId :
 VU1128WBS01

Tot Ion: 97 Resp: 63433
 Ion Ratio Lower Upper
 97 100
 83 89.1 74.3 111.5
 85 57.7 47.2 70.8
 99 60.6 48.9 73.3

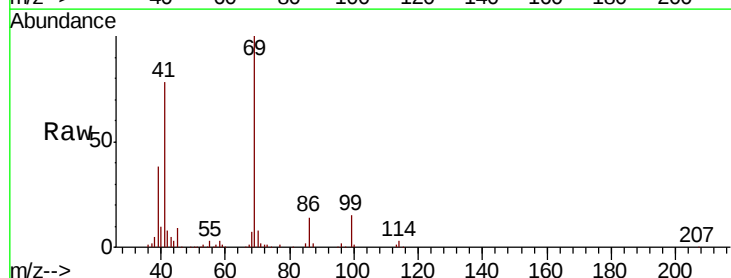


Abundance Ion 96.90 (96.60 to 97.60): VU0
 Ion 82.90 (82.60 to 83.60): VU0
 Ion 84.90 (84.60 to 85.60): VU0
 Ion 98.90 (98.60 to 99.60): VU0

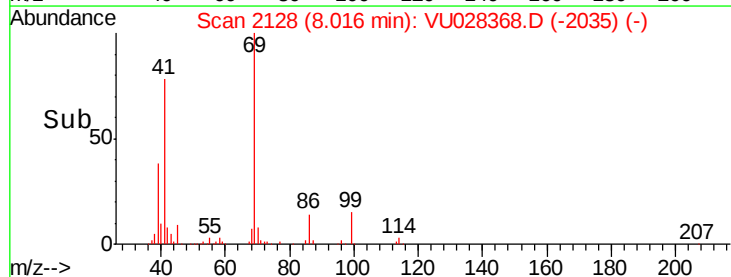
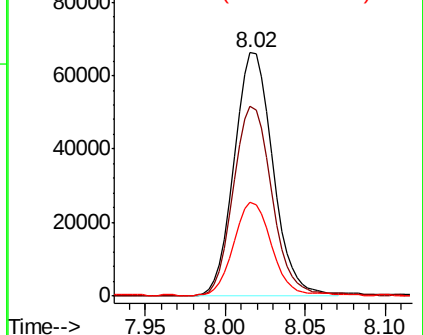


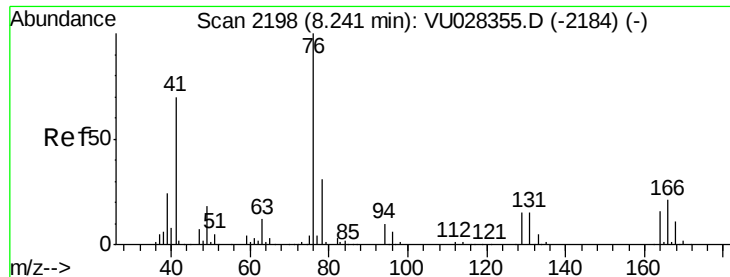
#56
 Ethyl methacrylate
 Concen: 19.829 ug/l
 RT: 8.02 min Scan# 2128
 Delta R.T. 0.00 min
 Lab File: VU028368.D
 Acq: 28 Nov 2018 16:07

Tgt Ion: 69 Resp: 109485
 Ion Ratio Lower Upper
 69 100
 41 78.5 60.0 90.0
 39 37.5 29.0 43.6



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





#57

1,3-Dichloropropane

Concen: 19.552 ug/l

RT: 8.24 min Scan# 2198

Delta R.T. 0.00 min

Lab File: VU028368.D

Acq: 28 Nov 2018 16:07

Instrument :

MSVOA_U

ClientSampleId :

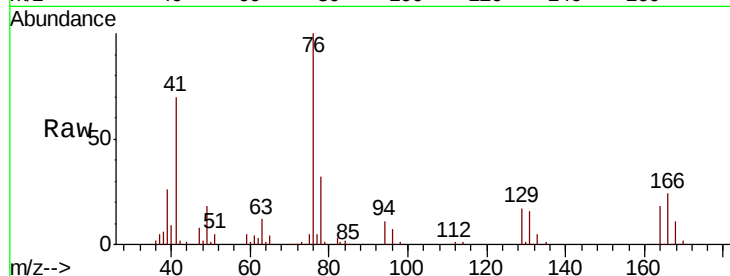
VU1128WBS01

Tot Ion: 76 Resp: 116369

Ion Ratio Lower Upper

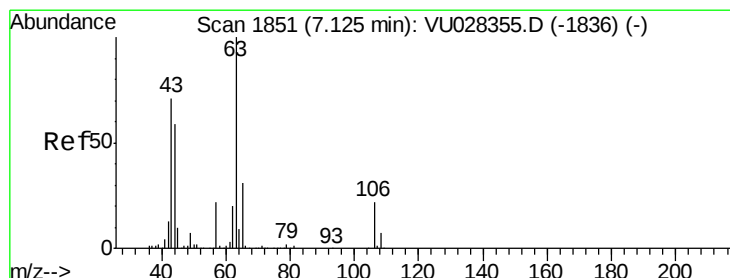
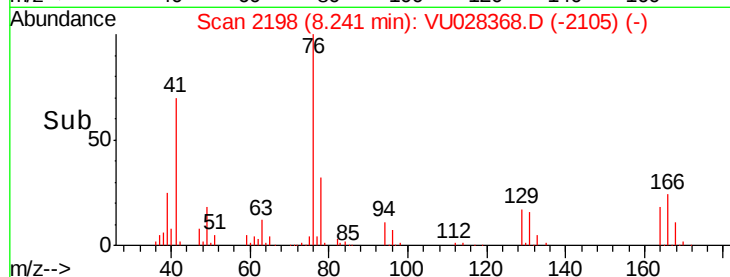
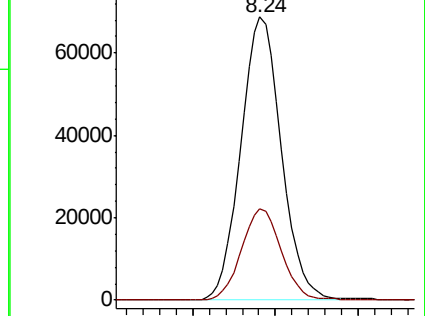
76 100

78 31.8 25.4 38.0



Abundance Ion 75.90 (75.60 to 76.60): VU028355.D (-2184) (-)

Ion 77.90 (77.60 to 78.60): VU028368.D (-2105) (-)



#58

2-Chloroethyl Vinyl ether

Concen: 99.397 ug/l

RT: 7.13 min Scan# 1851

Delta R.T. 0.00 min

Lab File: VU028368.D

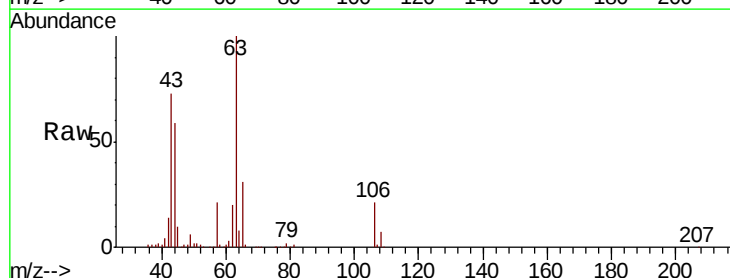
Acq: 28 Nov 2018 16:07

Tgt Ion: 63 Resp: 294651

Ion Ratio Lower Upper

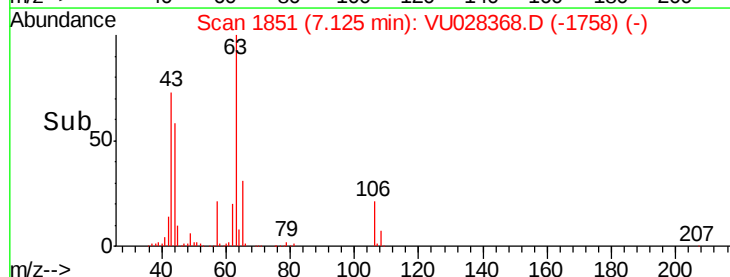
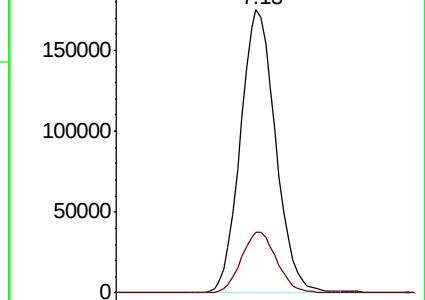
63 100

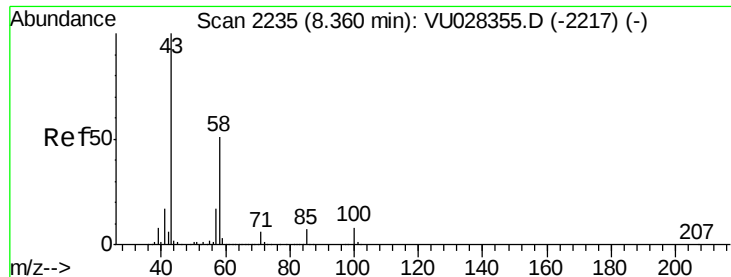
106 21.7 17.3 25.9



Abundance Ion 62.90 (62.60 to 63.60): VU028355.D (-1836) (-)

Ion 105.90 (105.60 to 106.60): VU028368.D (-1758) (-)

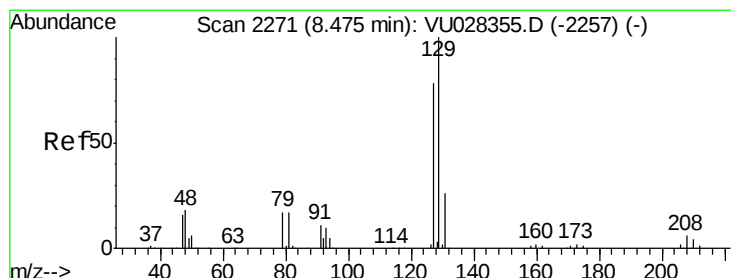
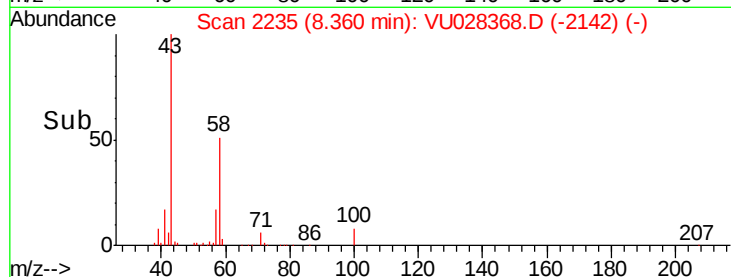
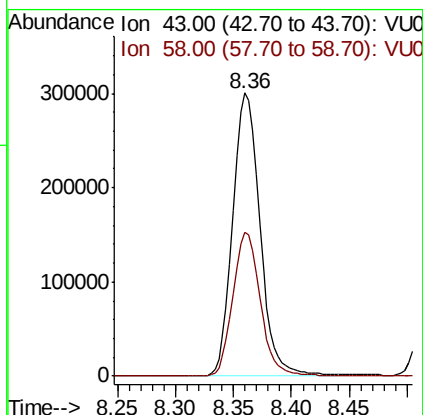
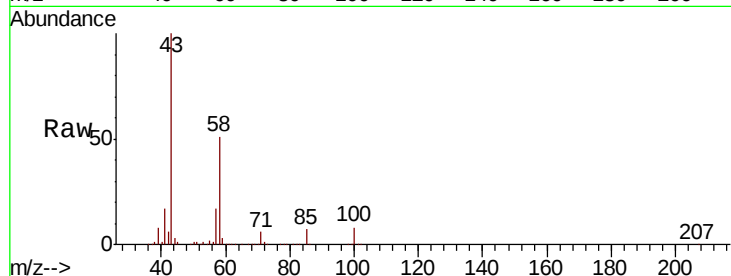




#59
2-Hexanone
Concen: 100.029 ug/l
RT: 8.36 min Scan# 2235
Delta R.T. 0.00 min
Lab File: VU028368.D
Acq: 28 Nov 2018 16:07

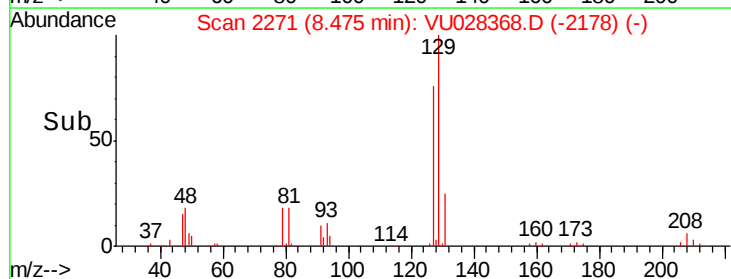
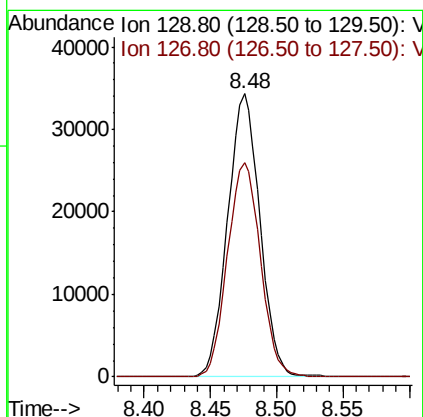
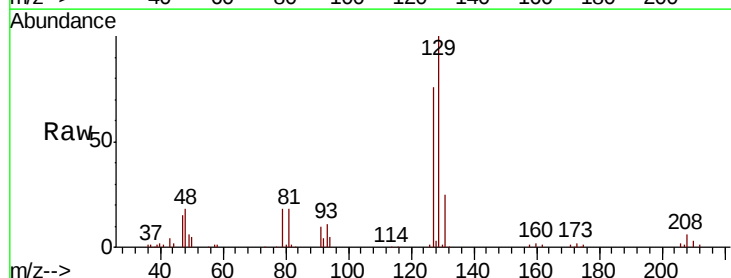
Instrument :
MSVOA_U
ClientSampleId :
VU1128WBS01

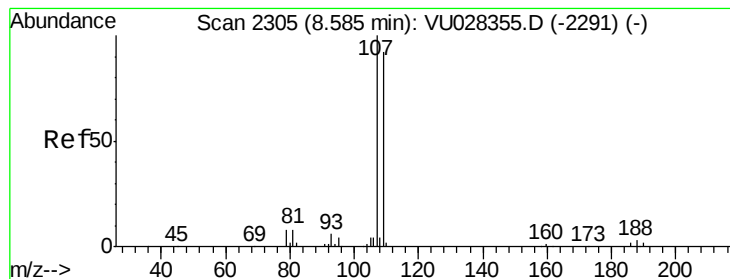
Tot Ion: 43 Resp: 488647
Ion Ratio Lower Upper
43 100
58 51.1 25.5 76.5



#60
Dibromochloromethane
Concen: 18.844 ug/l
RT: 8.48 min Scan# 2271
Delta R.T. 0.00 min
Lab File: VU028368.D
Acq: 28 Nov 2018 16:07

Tgt Ion: 129 Resp: 58167
Ion Ratio Lower Upper
129 100
127 76.9 38.9 116.7





#61

1,2-Dibromoethane

Concen: 19.933 ug/l

RT: 8.58 min Scan# 2305

Delta R.T. 0.00 min

Lab File: VU028368.D

Acq: 28 Nov 2018 16:07

Instrument :

MSVOA_U

ClientSampleId :

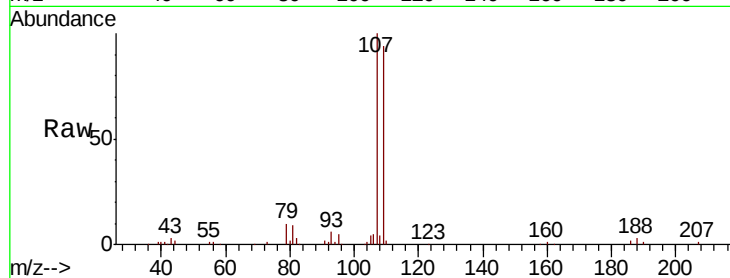
VU1128WBS01

Tot Ion:107 Resp: 66261

Ion Ratio Lower Upper

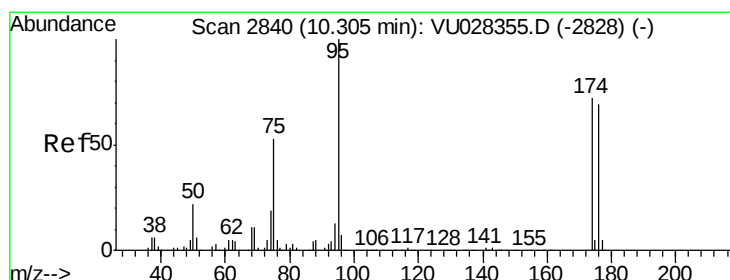
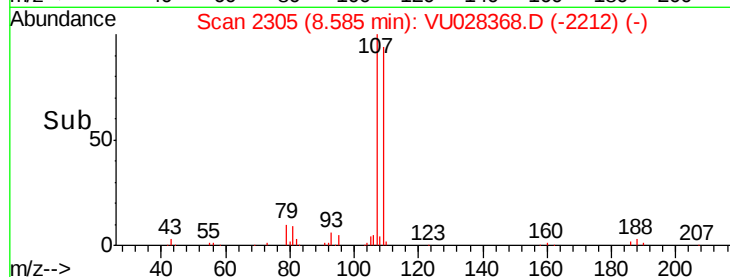
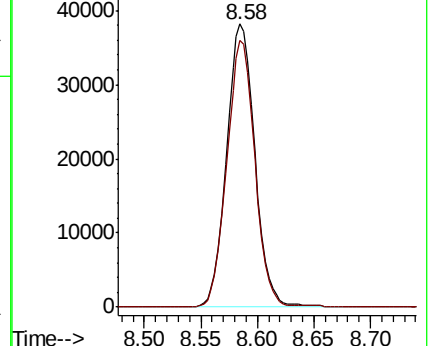
107 100

109 93.0 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: 48.028 ug/l

RT: 10.30 min Scan# 2840

Delta R.T. 0.00 min

Lab File: VU028368.D

Acq: 28 Nov 2018 16:07

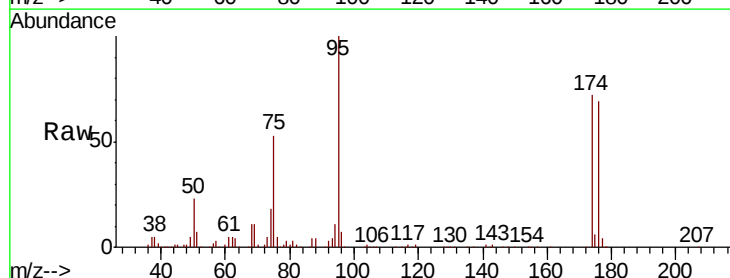
Tgt Ion: 95 Resp: 192357

Ion Ratio Lower Upper

95 100

174 73.1 0.0 145.4

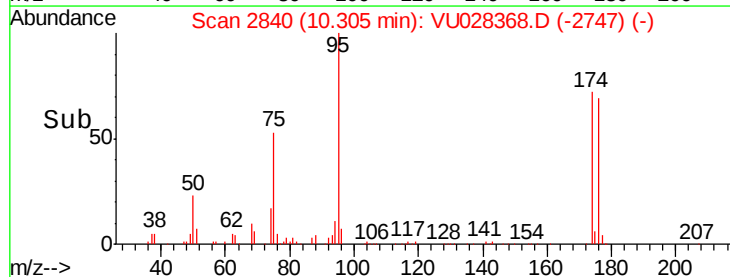
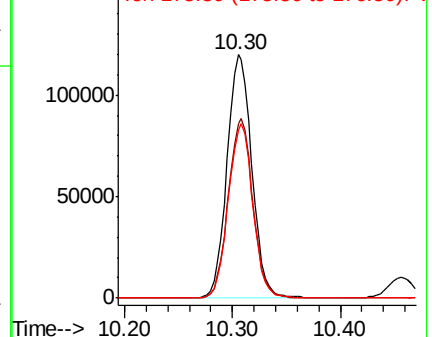
176 70.6 0.0 140.8

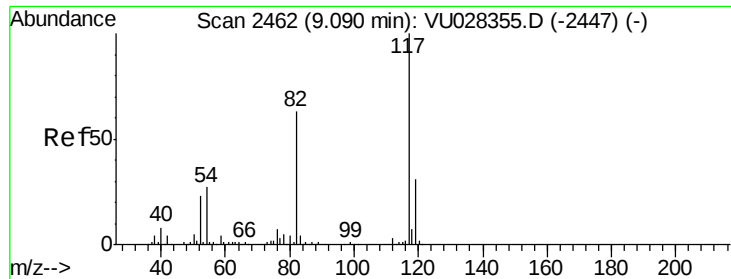


Abundance Ion 94.90 (94.60 to 95.60): VU0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

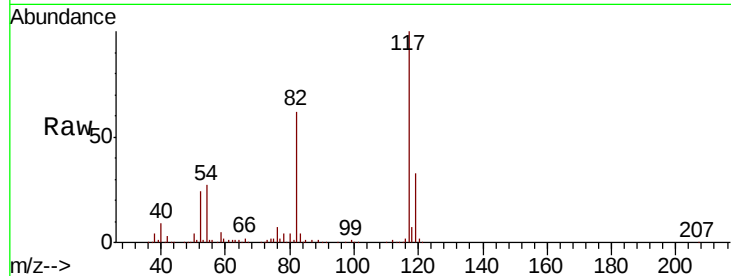




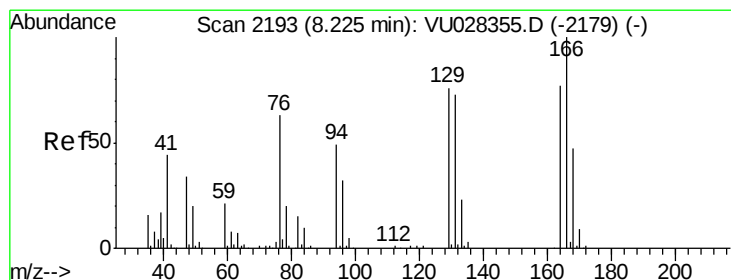
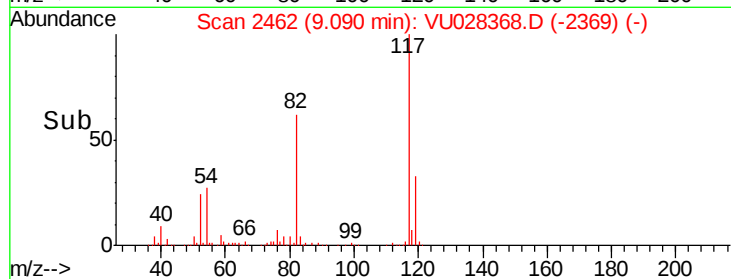
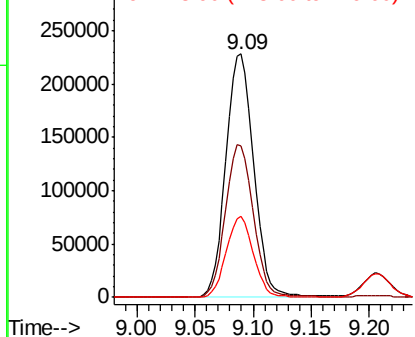
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.09 min Scan# 2462
Delta R.T. 0.00 min
Lab File: VU028368.D
Acq: 28 Nov 2018 16:07

Instrument :
MSVOA_U
ClientSampleId :
VU1128WBS01

Tot Ion:117 Resp: 380114
Ion Ratio Lower Upper
117 100
82 62.3 50.3 75.5
119 33.1 24.8 37.2

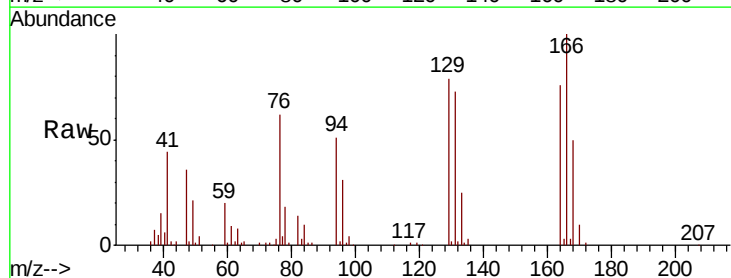


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): V
Ion 118.90 (118.60 to 119.60): V

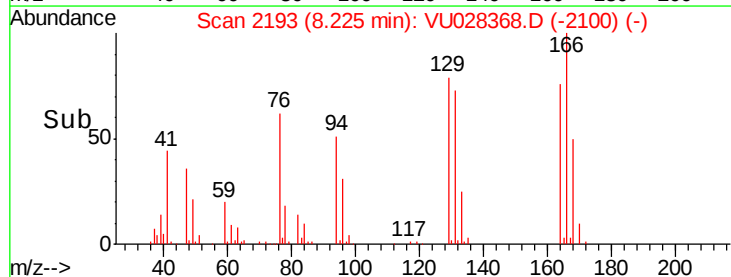
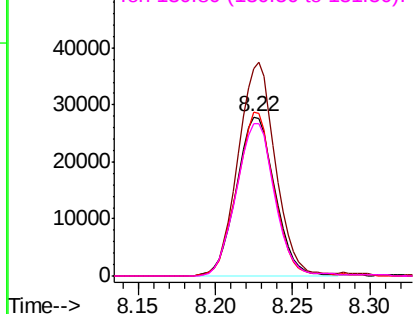


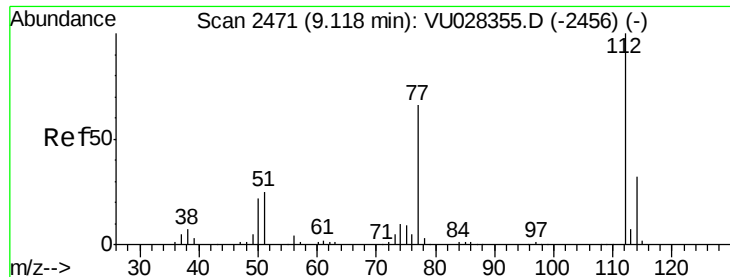
#64
Tetrachloroethene
Concen: 19.301 ug/l
RT: 8.22 min Scan# 2193
Delta R.T. 0.00 min
Lab File: VU028368.D
Acq: 28 Nov 2018 16:07

Tgt Ion:164 Resp: 48259
Ion Ratio Lower Upper
164 100
166 130.8 104.0 156.0
129 103.0 79.2 118.8
131 95.6 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

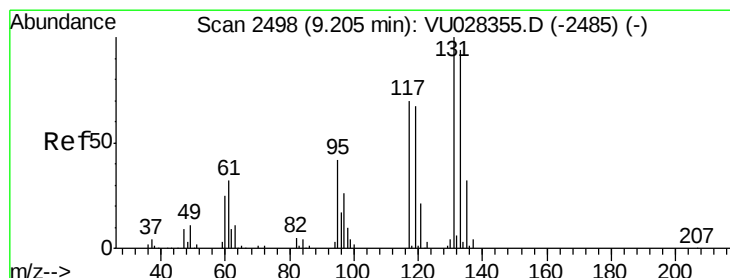
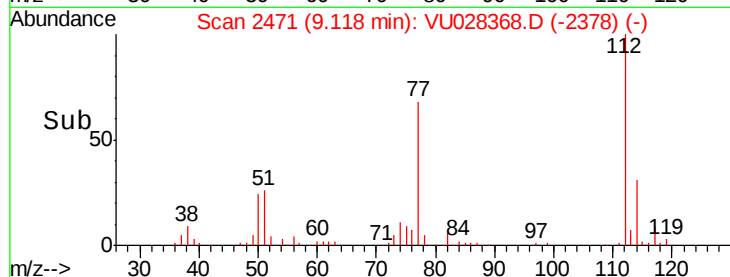
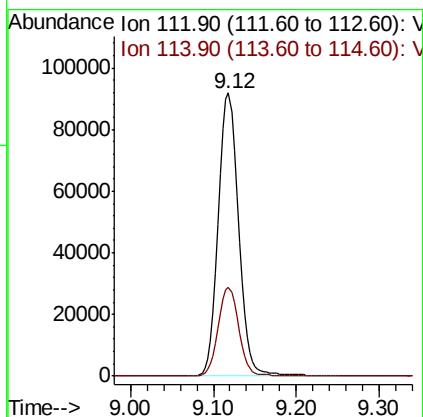
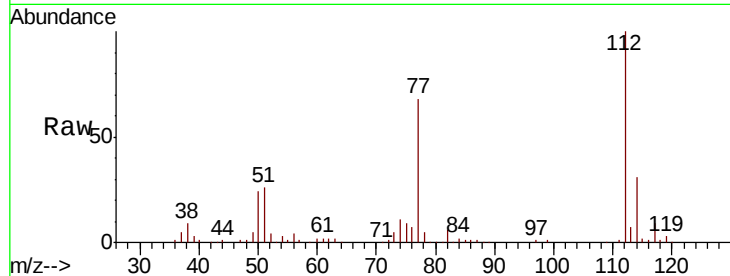




#65
Chlorobenzene
Concen: 19.836 ug/l
RT: 9.12 min Scan# 2471
Delta R.T. 0.00 min
Lab File: VU028368.D
Acq: 28 Nov 2018 16:07

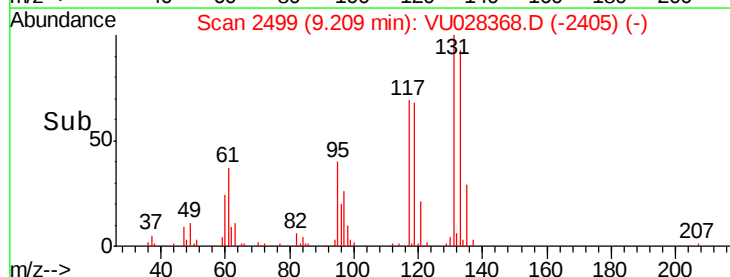
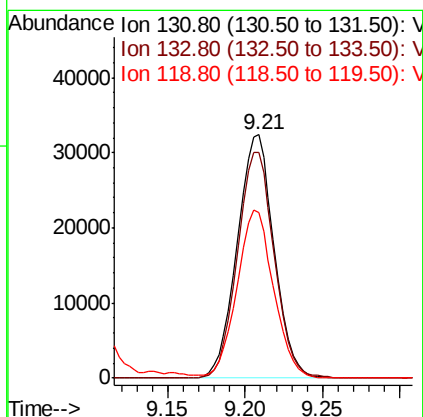
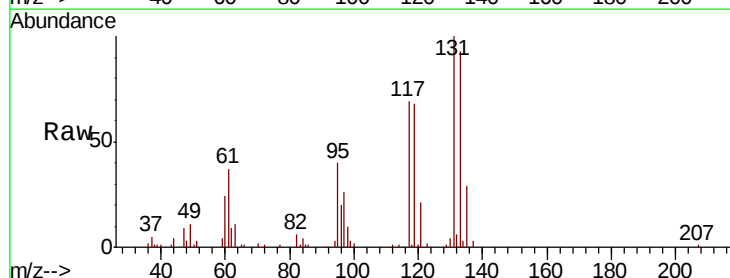
Instrument :
MSVOA_U
ClientSampleId :
VU1128WBS01

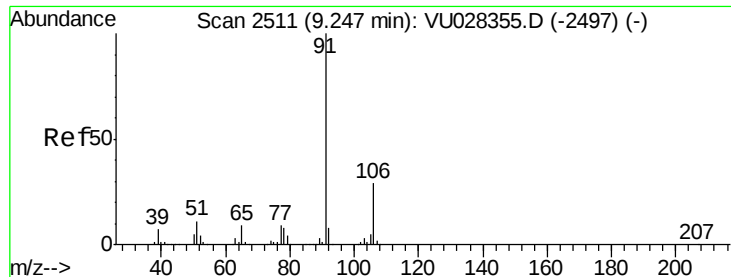
Tot Ion:112 Resp: 156558
Ion Ratio Lower Upper
112 100
114 31.4 25.7 38.5



#66
1,1,1,2-Tetrachloroethane
Concen: 19.789 ug/l
RT: 9.21 min Scan# 2499
Delta R.T. 0.00 min
Lab File: VU028368.D
Acq: 28 Nov 2018 16:07

Tgt Ion:131 Resp: 53538
Ion Ratio Lower Upper
131 100
133 92.8 47.3 141.8
119 68.8 34.1 102.2

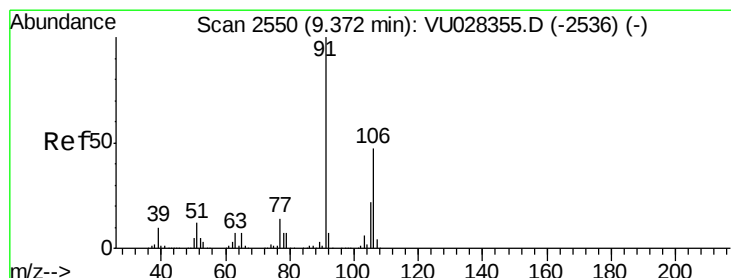
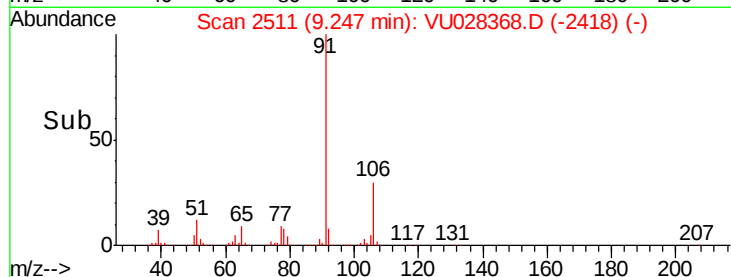
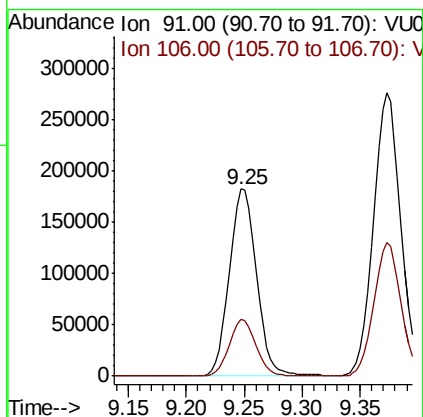
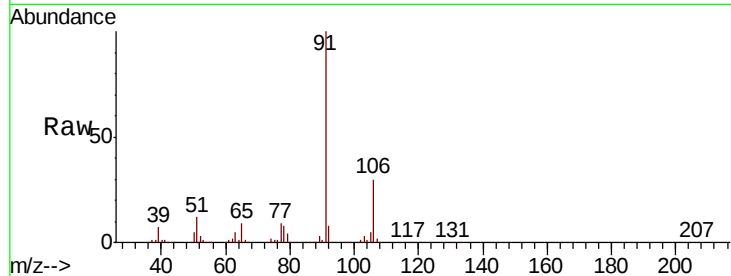




#67
Ethyl Benzene
Concen: 19.970 ug/l
RT: 9.25 min Scan# 2511
Delta R.T. 0.00 min
Lab File: VU028368.D
Acq: 28 Nov 2018 16:07

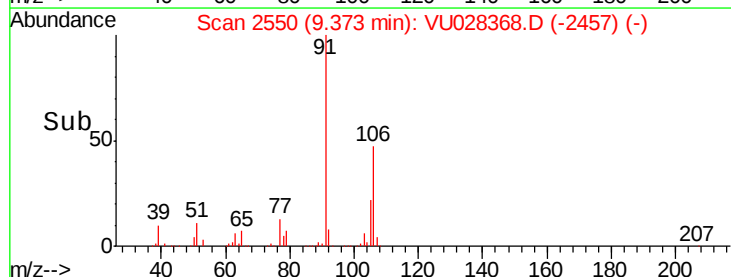
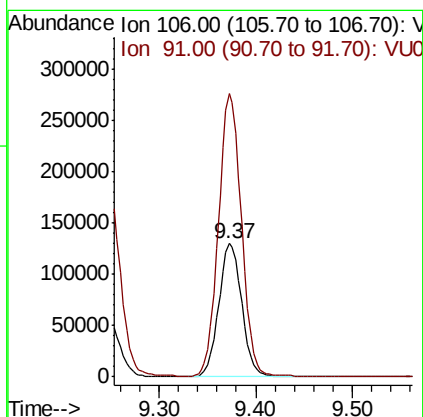
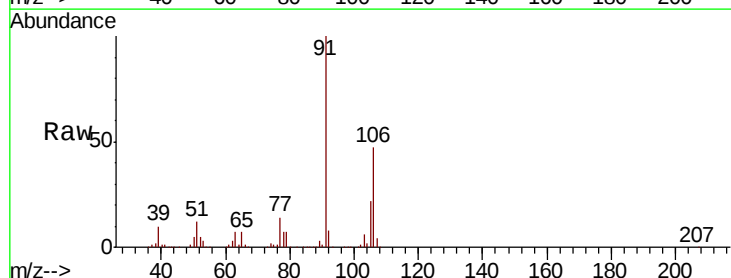
Instrument :
MSVOA_U
ClientSampleId :
VU1128WBS01

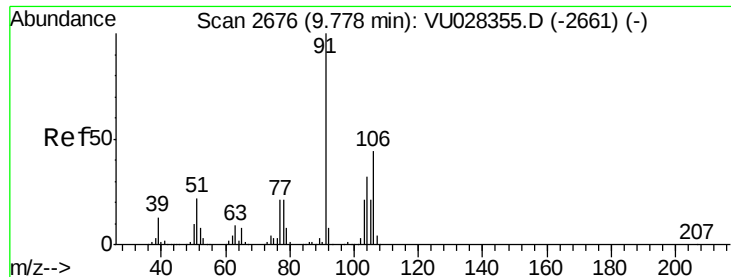
Tot Ion: 91 Resp: 296857
Ion Ratio Lower Upper
91 100
106 30.3 23.3 34.9



#68
m/p-Xylenes
Concen: 40.314 ug/l
RT: 9.37 min Scan# 2550
Delta R.T. 0.00 min
Lab File: VU028368.D
Acq: 28 Nov 2018 16:07

Tgt Ion: 106 Resp: 215703
Ion Ratio Lower Upper
106 100
91 212.0 171.0 256.6

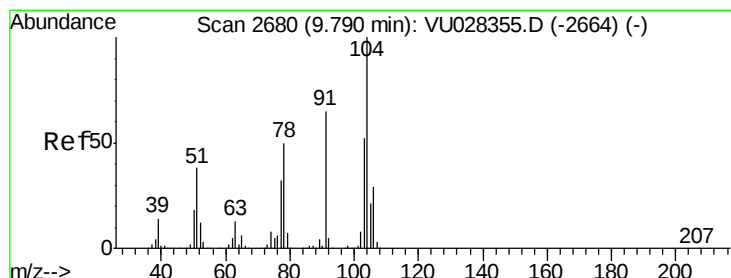
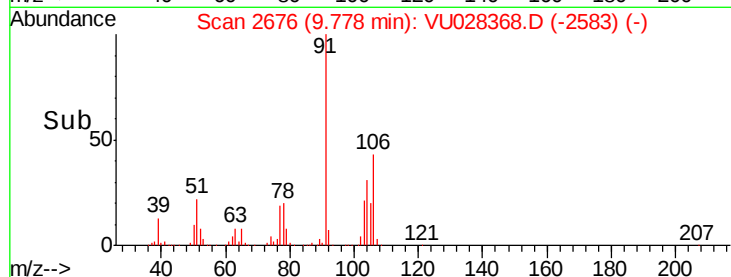
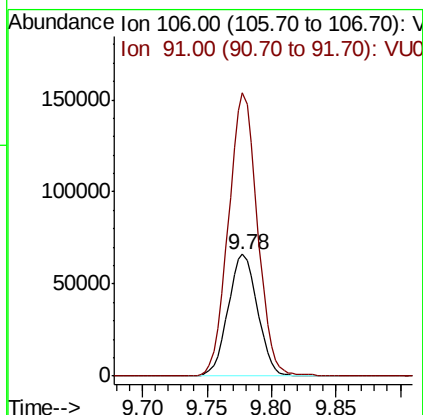
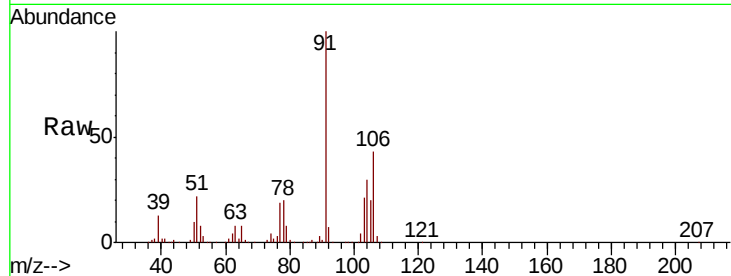




#69
o-Xylene
Concen: 19.757 ug/l
RT: 9.78 min Scan# 2676
Delta R.T. 0.00 min
Lab File: VU028368.D
Acq: 28 Nov 2018 16:07

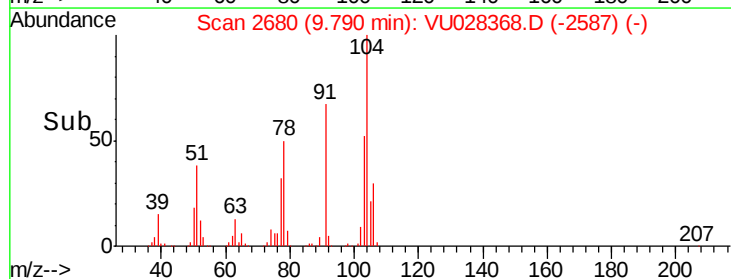
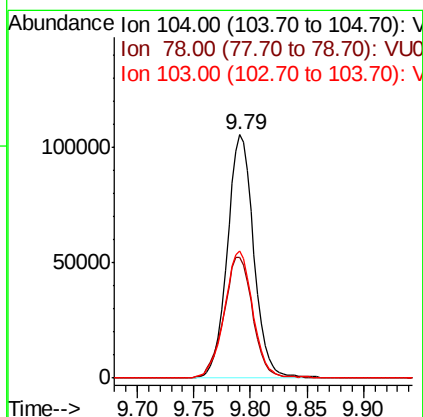
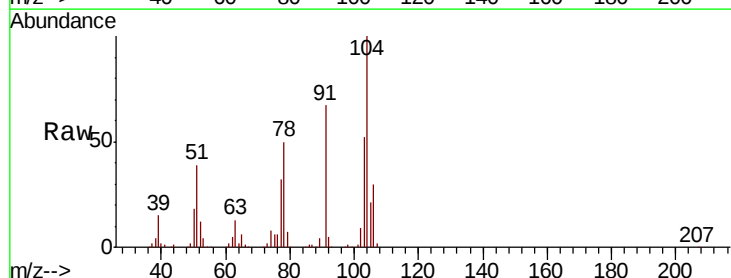
Instrument :
MSVOA_U
ClientSampleId :
VU1128WBS01

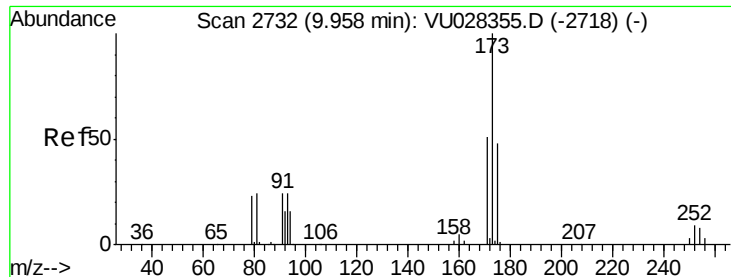
Tot Ion:106 Resp: 105086
Ion Ratio Lower Upper
106 100
91 228.2 112.7 338.0



#70
Styrene
Concen: 20.007 ug/l
RT: 9.79 min Scan# 2680
Delta R.T. 0.00 min
Lab File: VU028368.D
Acq: 28 Nov 2018 16:07

Tgt Ion:104 Resp: 171627
Ion Ratio Lower Upper
104 100
78 54.5 43.3 64.9
103 56.1 44.8 67.2





#71

Bromoform

Concen: 19.184 ug/l

RT: 9.96 min Scan# 2732

Delta R.T. 0.00 min

Lab File: VU028368.D

Acq: 28 Nov 2018 16:07

Instrument :

MSVOA_U

ClientSampleId :

VU1128WBS01

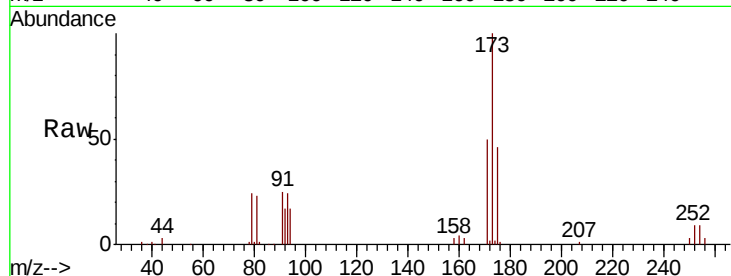
Tot Ion:173 Resp: 43625

Ion Ratio Lower Upper

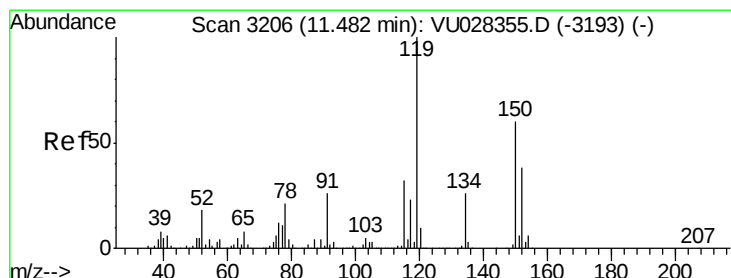
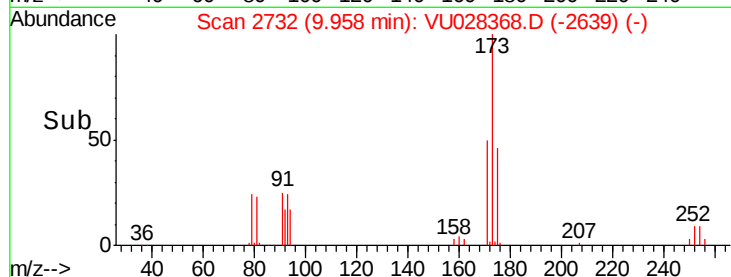
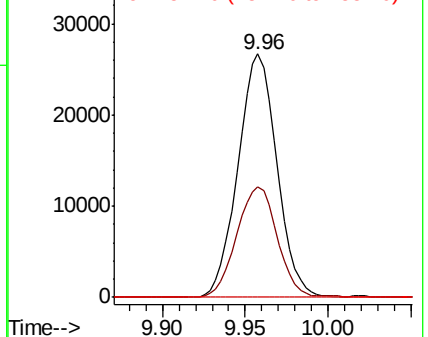
173 100

175 47.2 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: VU028368.D

Acq: 28 Nov 2018 16:07

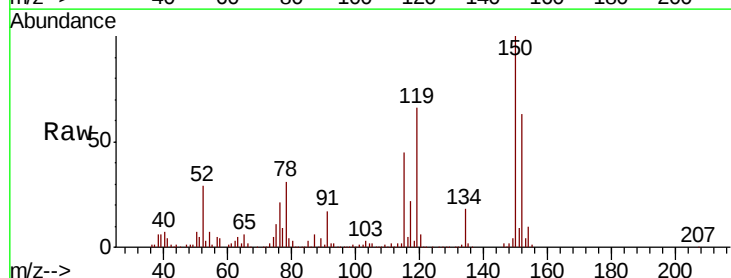
Tgt Ion:152 Resp: 172395

Ion Ratio Lower Upper

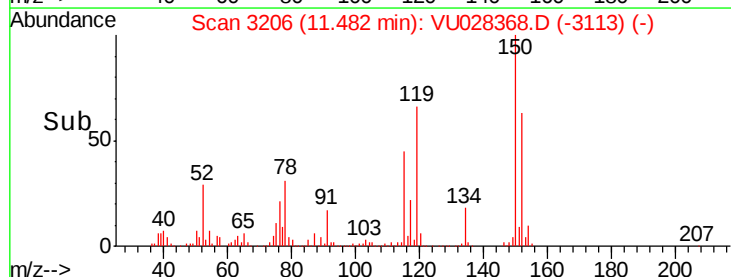
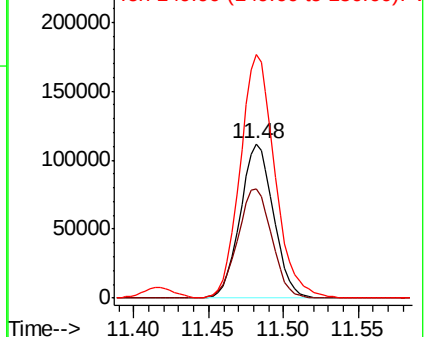
152 100

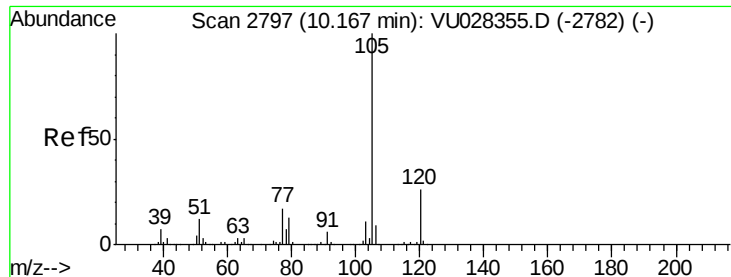
115 73.0 45.0 134.8

150 164.6 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: 20.632 ug/l

RT: 10.16 min Scan# 2796

Delta R.T. -0.00 min

Lab File: VU028368.D

Acq: 28 Nov 2018 16:07

Instrument :

MSVOA_U

ClientSampleId :

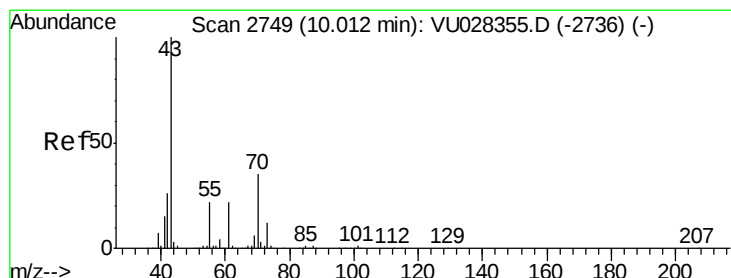
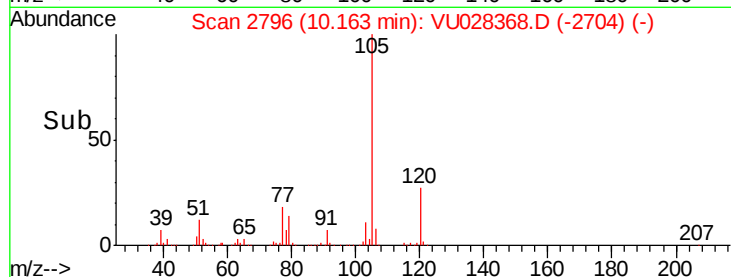
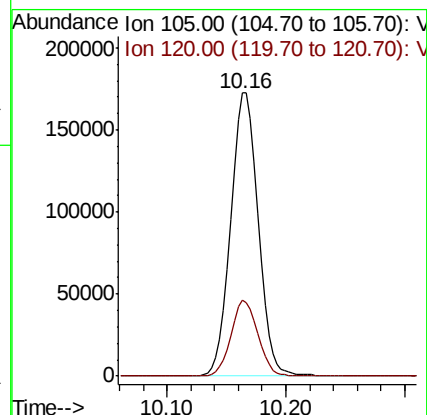
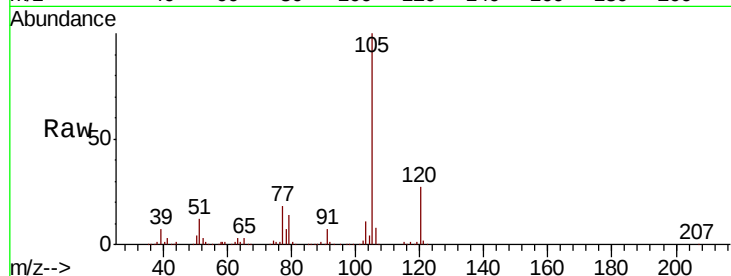
VU1128WBS01

Tot Ion:105 Resp: 276633

Ion Ratio Lower Upper

105 100

120 26.3 12.8 38.3



#74

N-ethyl acetate

Concen: 21.047 ug/l

RT: 10.01 min Scan# 2749

Delta R.T. 0.00 min

Lab File: VU028368.D

Acq: 28 Nov 2018 16:07

Tgt Ion: 43 Resp: 176808

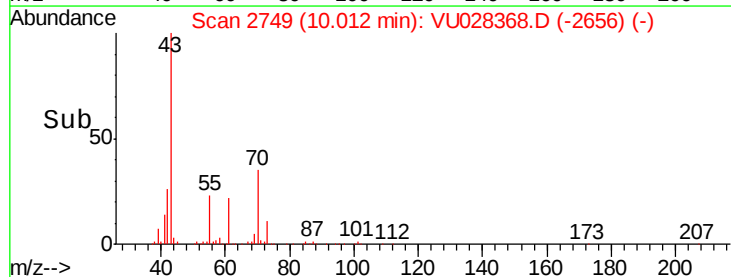
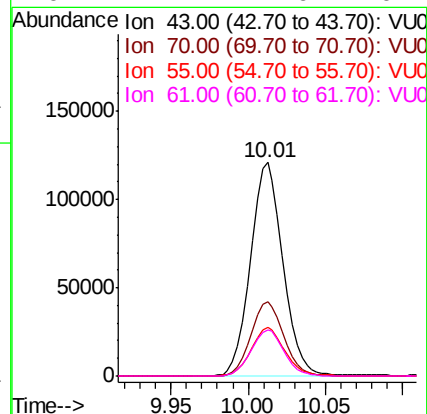
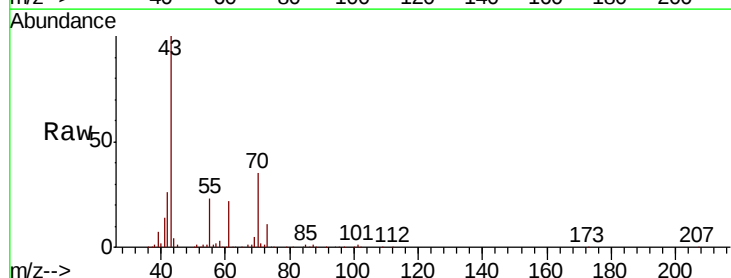
Ion Ratio Lower Upper

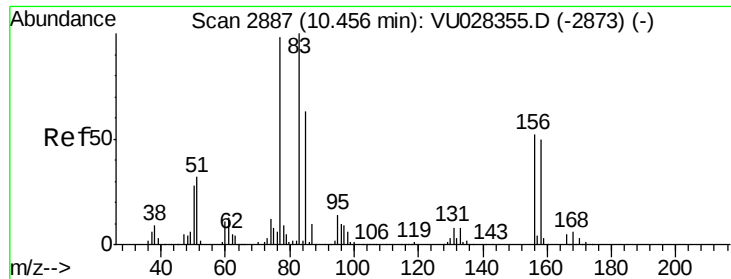
43 100

70 35.3 28.4 42.6

55 23.6 18.0 27.0

61 22.2 17.6 26.4





#75

1,1,2,2-Tetrachloroethane

Concen: 20.780 ug/l

RT: 10.46 min Scan# 2887

Delta R.T. 0.00 min

Lab File: VU028368.D

Acq: 28 Nov 2018 16:07

Instrument :

MSVOA_U

ClientSampleId :

VU1128WBS01

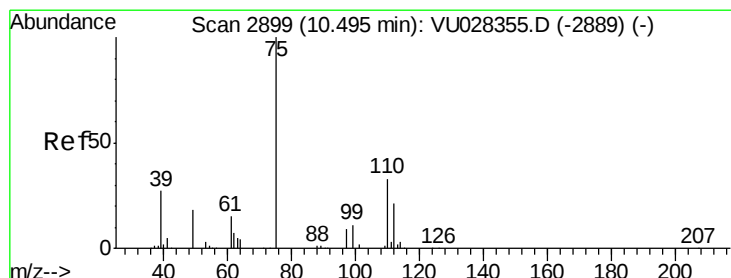
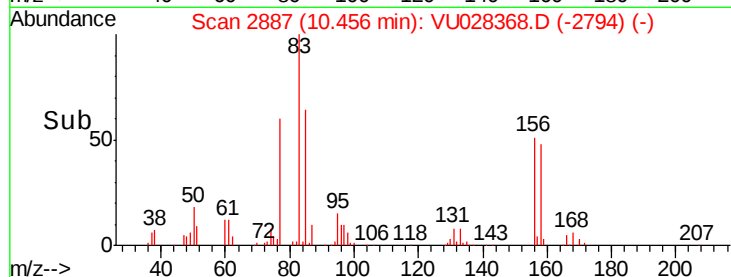
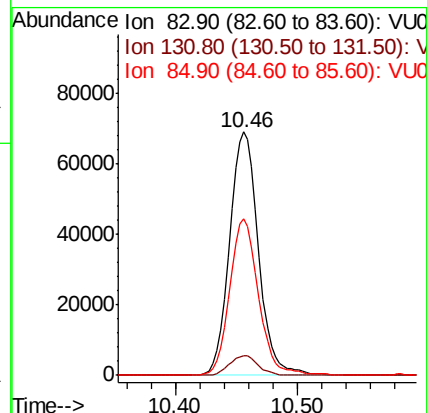
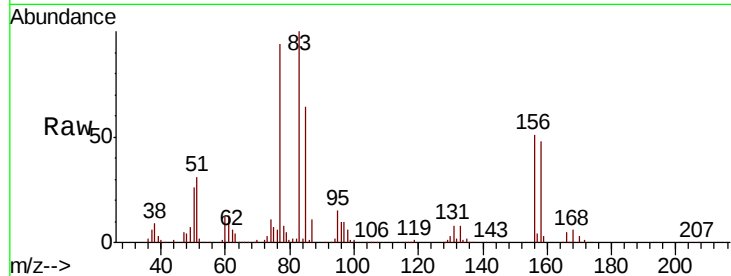
Tot Ion: 83 Resp: 114575

Ion Ratio Lower Upper

83 100

131 8.0 4.0 12.2

85 64.3 31.8 95.4



#76

1,2,3-Trichloropropane

Concen: 28.209 ug/l

RT: 10.49 min Scan# 2899

Delta R.T. 0.00 min

Lab File: VU028368.D

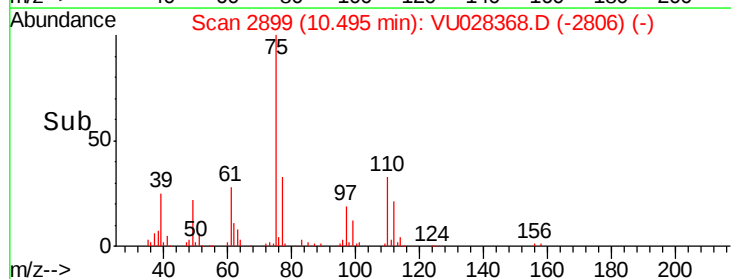
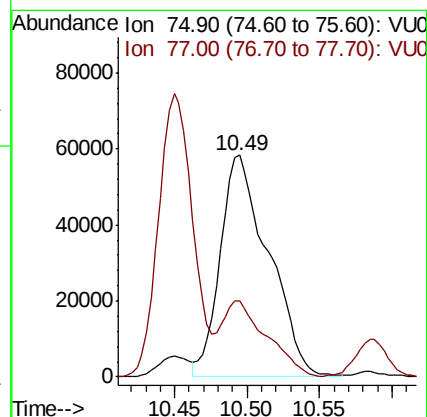
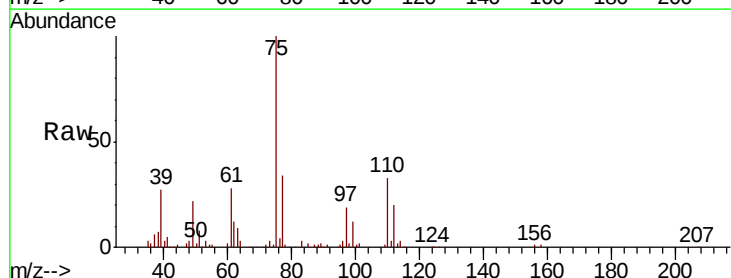
Acq: 28 Nov 2018 16:07

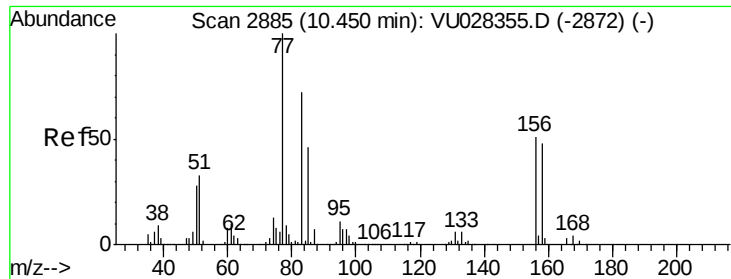
Tgt Ion: 75 Resp: 134856

Ion Ratio Lower Upper

75 100

77 30.8 22.4 67.0





#77

Bromobenzene

Concen: 19.666 ug/l

RT: 10.45 min Scan# 2886

Delta R.T. 0.00 min

Lab File: VU028368.D

Acq: 28 Nov 2018 16:07

Instrument :

MSVOA_U

ClientSampleId :

VU1128WBS01

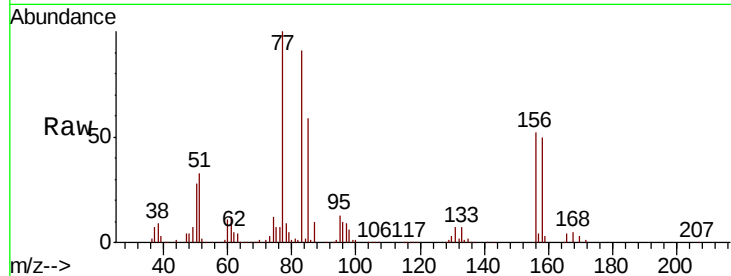
Tot Ion:156 Resp: 62132

Ion Ratio Lower Upper

156 100

77 197.0 97.0 290.9

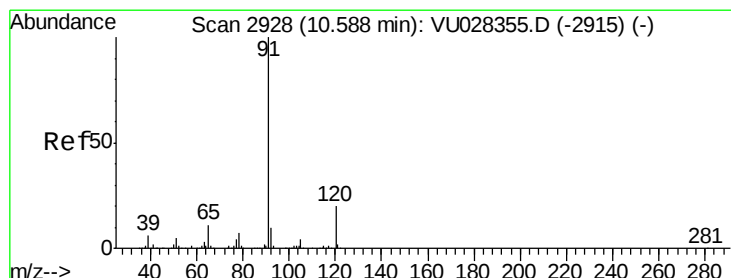
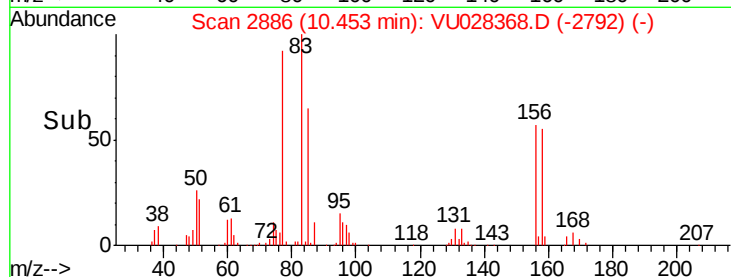
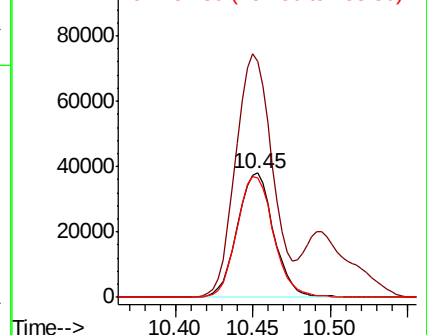
158 98.3 46.8 140.4



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: 20.674 ug/l

RT: 10.58 min Scan# 2927

Delta R.T. -0.00 min

Lab File: VU028368.D

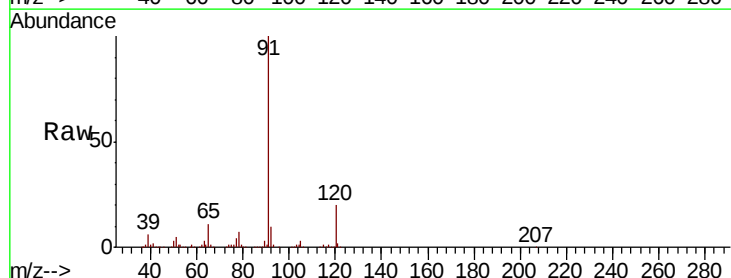
Acq: 28 Nov 2018 16:07

Tgt Ion: 91 Resp: 341951

Ion Ratio Lower Upper

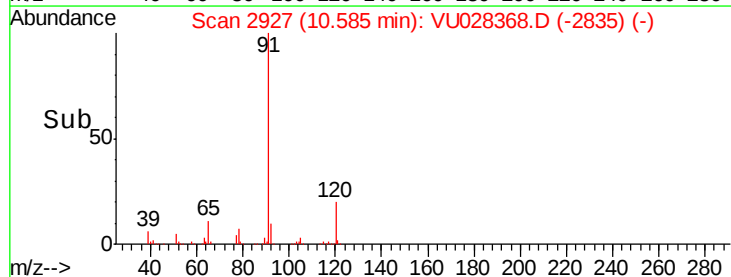
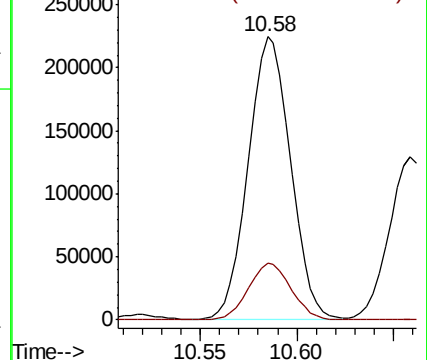
91 100

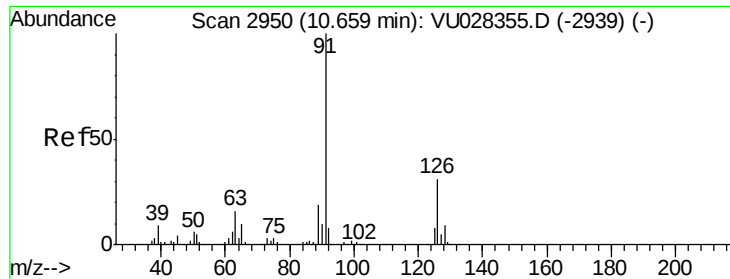
120 20.3 10.3 30.8



Abundance Ion 91.00 (90.70 to 91.70): VU0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 20.708 ug/l

RT: 10.66 min Scan# 2950

Delta R.T. 0.00 min

Lab File: VU028368.D

Acq: 28 Nov 2018 16:07

Instrument :

MSVOA_U

ClientSampleId :

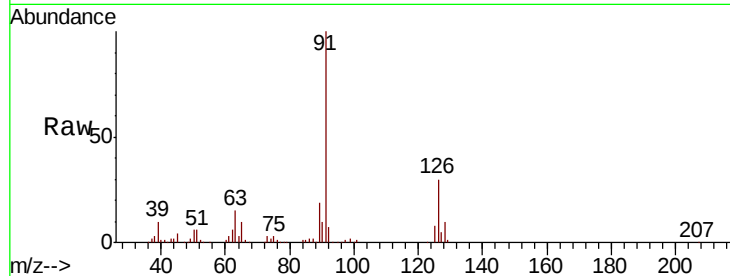
VU1128WBS01

Tot Ion: 91 Resp: 201919

Ion Ratio Lower Upper

91 100

126 30.4 15.4 46.1



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

Ion 125.90 (125.60 to 126.60): VU028355.D (-2939) (-)

250000

200000

150000

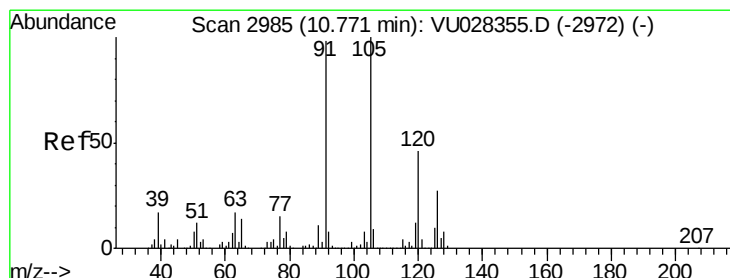
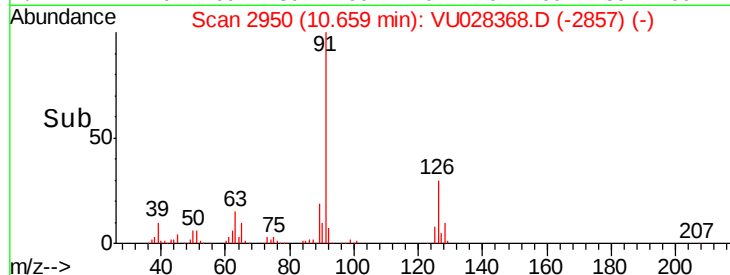
100000

50000

0

10.60 10.65 10.70

Time-->



#80

1,3,5-Trimethylbenzene

Concen: 20.387 ug/l

RT: 10.77 min Scan# 2985

Delta R.T. 0.00 min

Lab File: VU028368.D

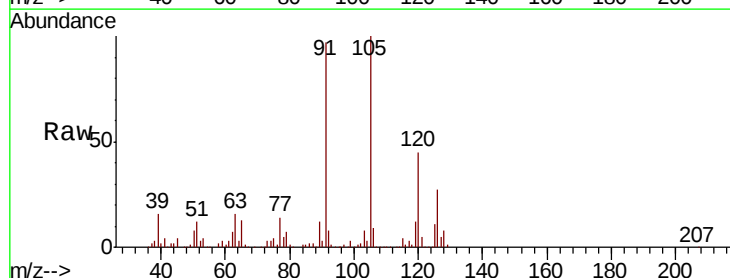
Acq: 28 Nov 2018 16:07

Tgt Ion: 105 Resp: 230351

Ion Ratio Lower Upper

105 100

120 45.8 23.4 70.0



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

Ion 120.00 (119.70 to 120.70): VU028355.D (-2972) (-)

150000

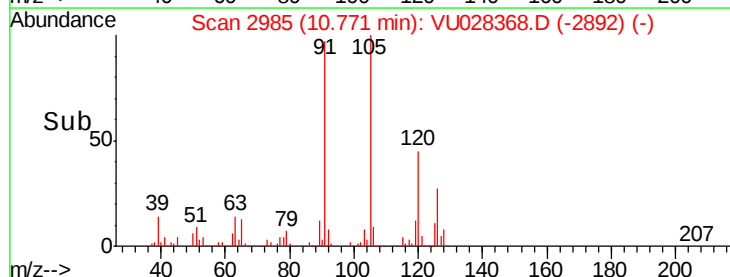
100000

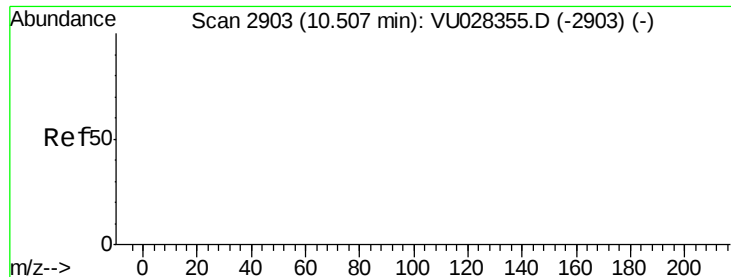
50000

0

10.70 10.80

Time-->





#81

trans-1,4-Dichloro-2-butene

Concen: 74.880 ug/l

RT: 10.49 min Scan# 2899

Delta R.T. -0.01 min

Lab File: VU028368.D

Acq: 28 Nov 2018 16:07

Instrument :

MSVOA_U

ClientSampleId :

VU1128WBS01

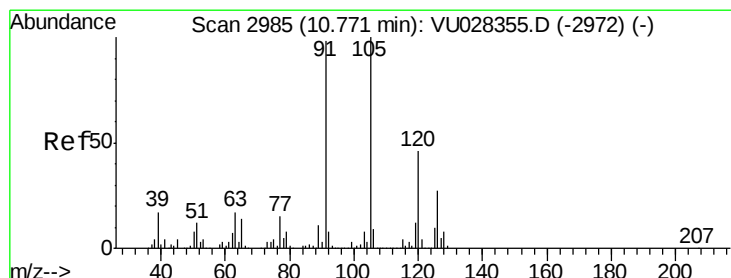
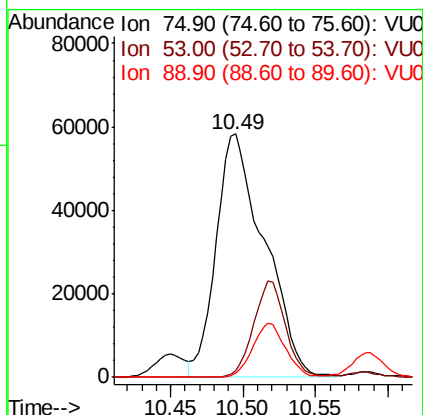
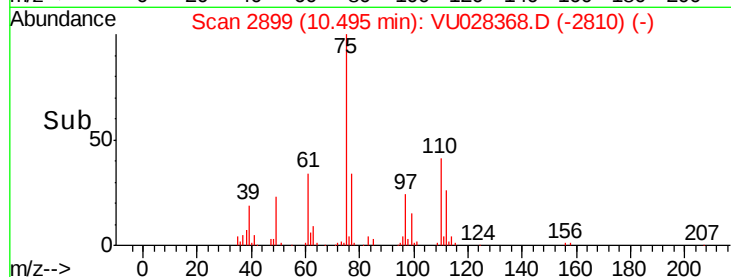
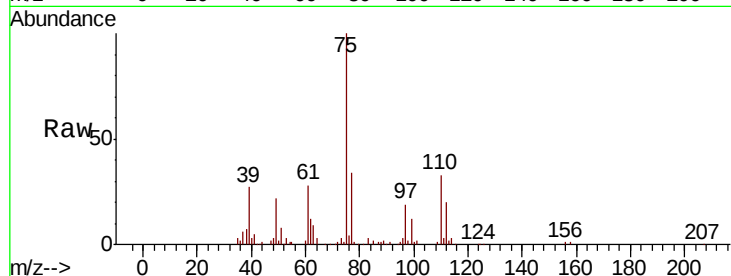
Tot Ion: 75 Resp: 134856

Ion Ratio Lower Upper

75 100

53 0.0 0.0 0.0

89 0.0 0.0 0.0



#82

4-Chlorotoluene

Concen: 20.349 ug/l

RT: 10.77 min Scan# 2985

Delta R.T. 0.00 min

Lab File: VU028368.D

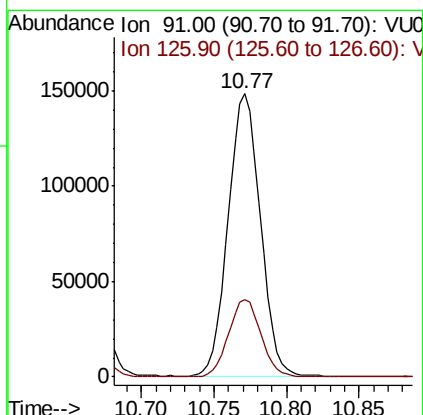
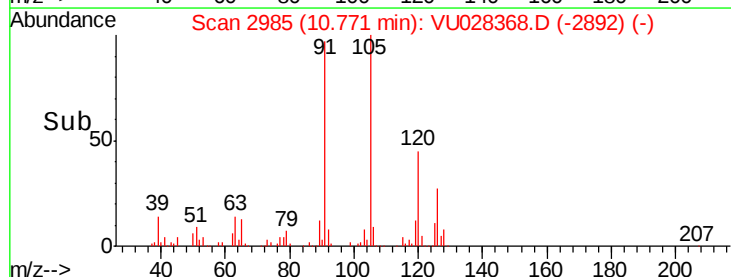
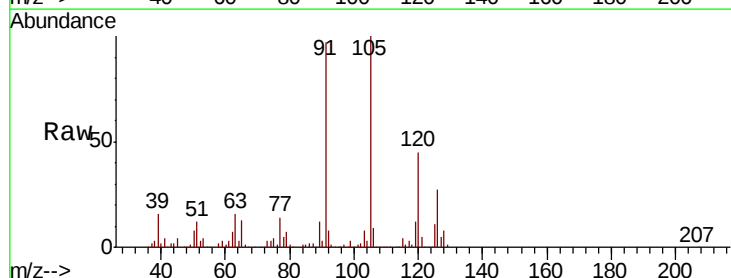
Acq: 28 Nov 2018 16:07

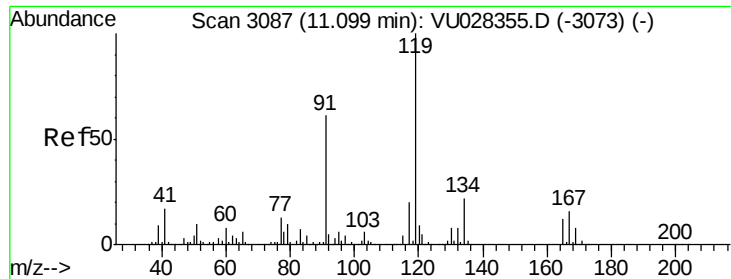
Tgt Ion: 91 Resp: 228611

Ion Ratio Lower Upper

91 100

126 27.6 13.9 41.6

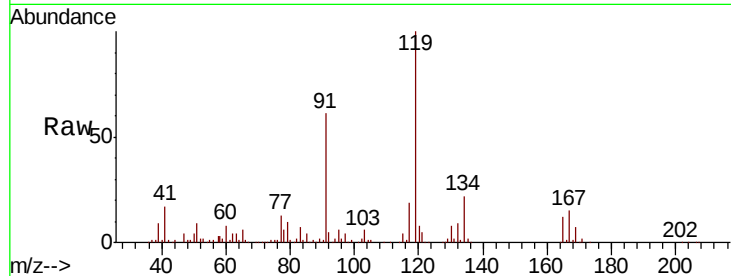




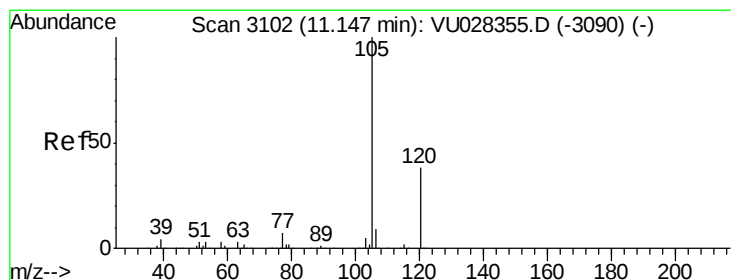
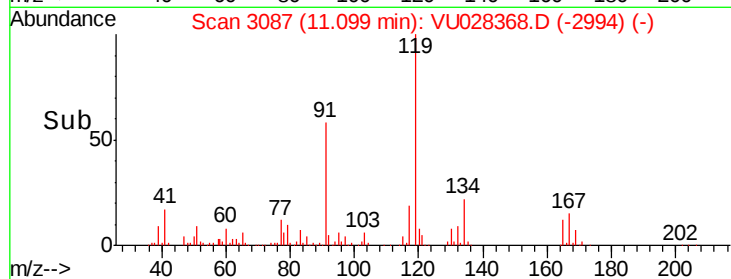
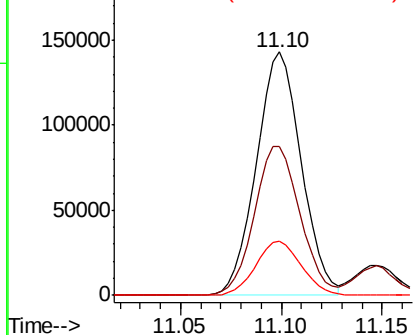
#83
tert-Butylbenzene
Concen: 21.111 ug/l
RT: 11.10 min Scan# 3087
Delta R.T. 0.00 min
Lab File: VU028368.D
Acq: 28 Nov 2018 16:07

Instrument :
MSVOA_U
ClientSampleId :
VU1128WBS01

Tot Ion	Ratio	Lower	Upper
119	100		
91	62.7	30.8	92.4
134	22.5	11.1	33.1

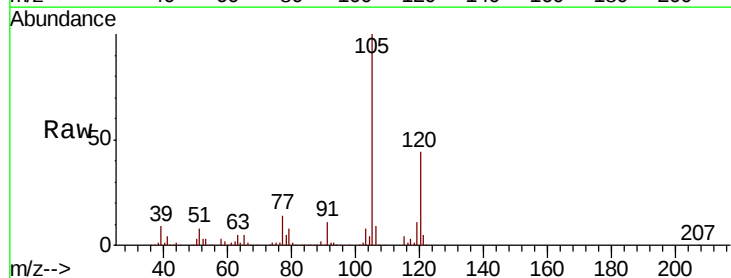


Abundance Ion 119.00 (118.70 to 119.70): V
Ion 91.00 (90.70 to 91.70): V
Ion 134.00 (133.70 to 134.70): V

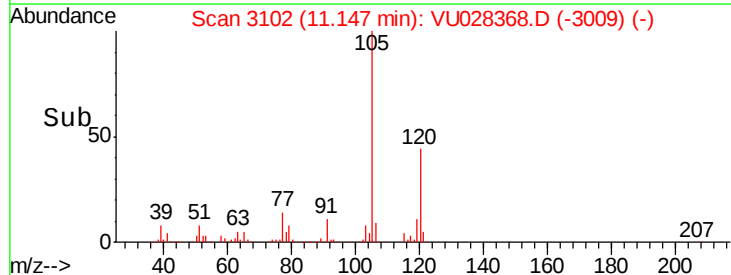
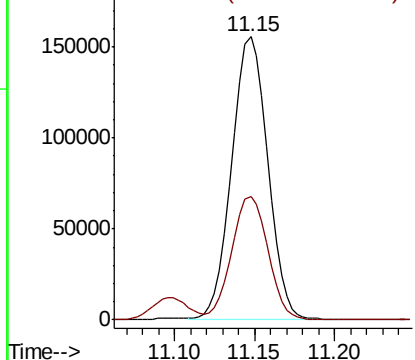


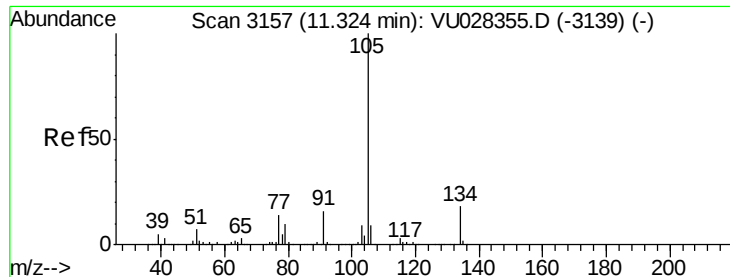
#84
1,2,4-Trimethylbenzene
Concen: 20.759 ug/l
RT: 11.15 min Scan# 3102
Delta R.T. 0.00 min
Lab File: VU028368.D
Acq: 28 Nov 2018 16:07

Tgt Ion	Ratio	Lower	Upper
105	100		
120	44.1	21.4	64.3



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

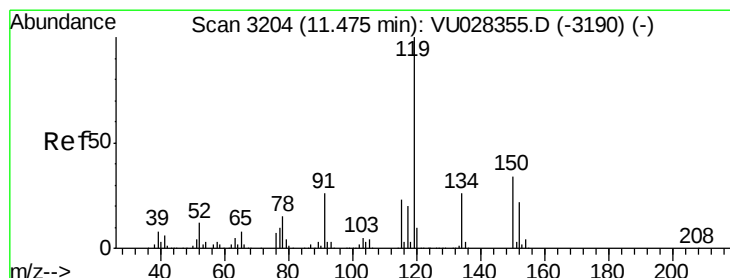
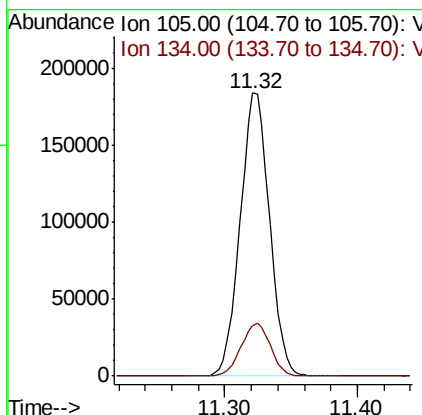
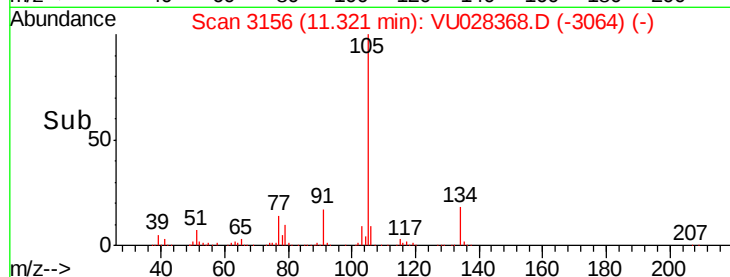
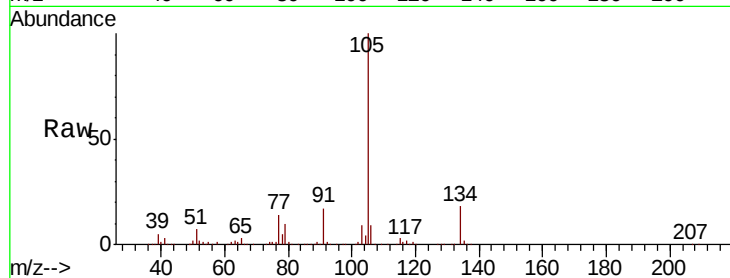




#85
 sec-Butylbenzene
 Concen: 20.606 ug/l
 RT: 11.32 min Scan# 3156
 Delta R.T. -0.00 min
 Lab File: VU028368.D
 Acq: 28 Nov 2018 16:07

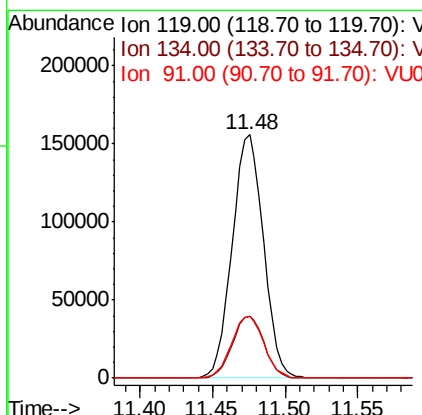
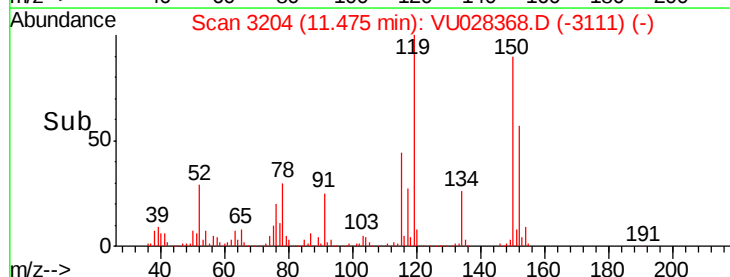
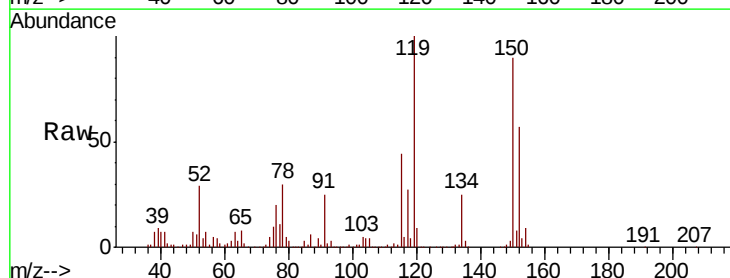
Instrument :
 MSVOA_U
 ClientSampleId :
 VU1128WBS01

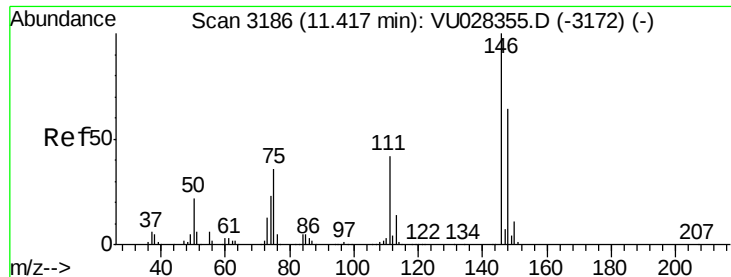
Tot Ion:105 Resp: 281898
 Ion Ratio Lower Upper
 105 100
 134 18.7 9.3 27.7



#86
 p-Isopropyltoluene
 Concen: 20.657 ug/l
 RT: 11.48 min Scan# 3204
 Delta R.T. 0.00 min
 Lab File: VU028368.D
 Acq: 28 Nov 2018 16:07

Tgt Ion:119 Resp: 232363
 Ion Ratio Lower Upper
 119 100
 134 25.9 12.8 38.3
 91 26.1 13.1 39.1





#87

1,3-Dichlorobenzene

Concen: 19.576 ug/l

RT: 11.41 min Scan# 3185

Delta R.T. -0.00 min

Lab File: VU028368.D

Acq: 28 Nov 2018 16:07

Instrument :

MSVOA_U

ClientSampleId :

VU1128WBS01

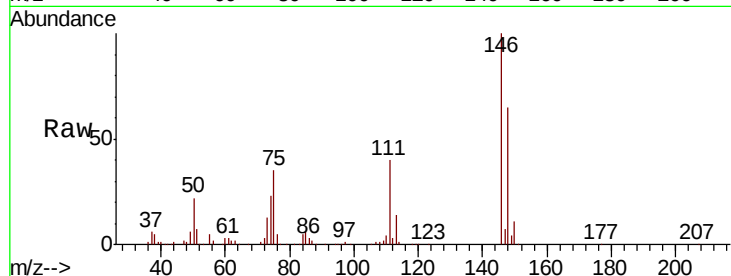
Tot Ion:146 Resp: 112805

Ion Ratio Lower Upper

146 100

111 41.1 20.8 62.4

148 65.3 31.8 95.3

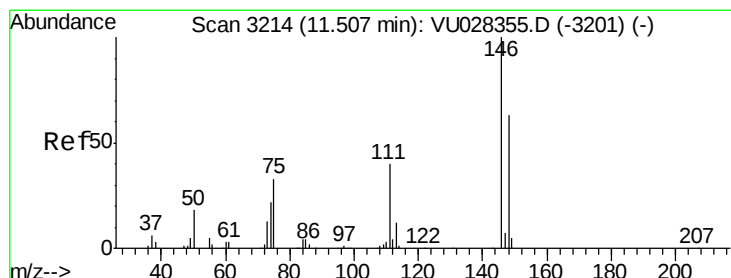
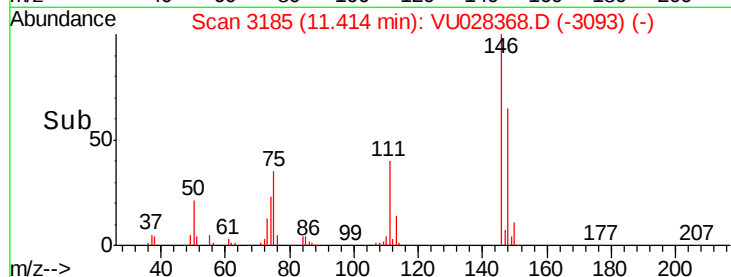
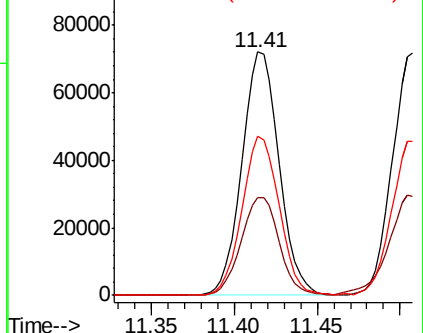


Abundance

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: 19.200 ug/l

RT: 11.51 min Scan# 3214

Delta R.T. 0.00 min

Lab File: VU028368.D

Acq: 28 Nov 2018 16:07

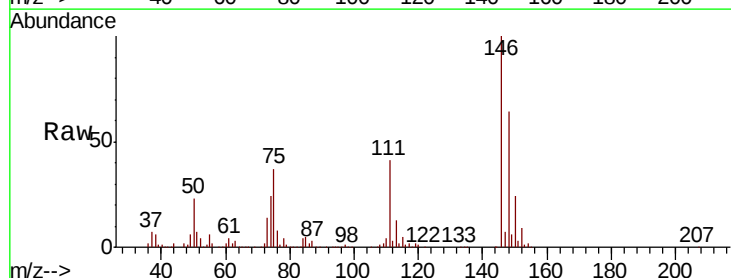
Tgt Ion:146 Resp: 111344

Ion Ratio Lower Upper

146 100

111 44.9 20.6 61.9

148 65.8 31.1 93.5

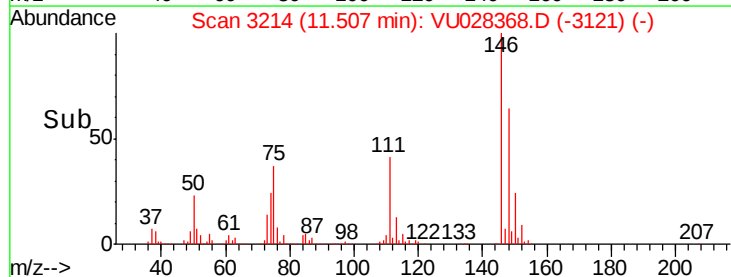
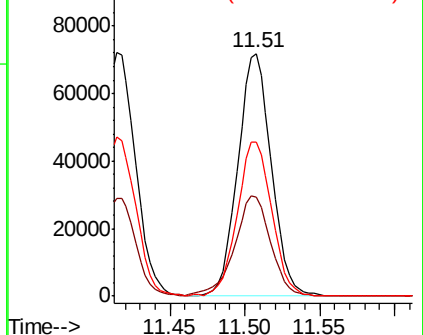


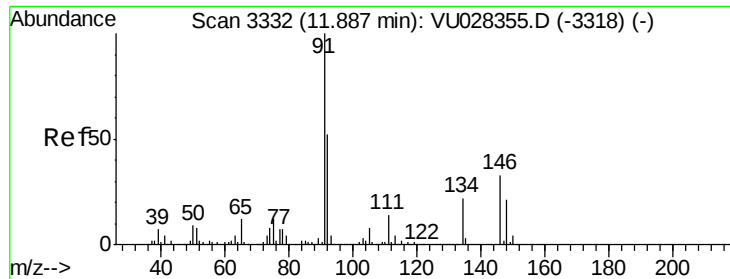
Abundance

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: 19.756 ug/l

RT: 11.89 min Scan# 3332

Delta R.T. 0.00 min

Lab File: VU028368.D

Acq: 28 Nov 2018 16:07

Instrument :

MSVOA_U

ClientSampleId :

VU1128WBS01

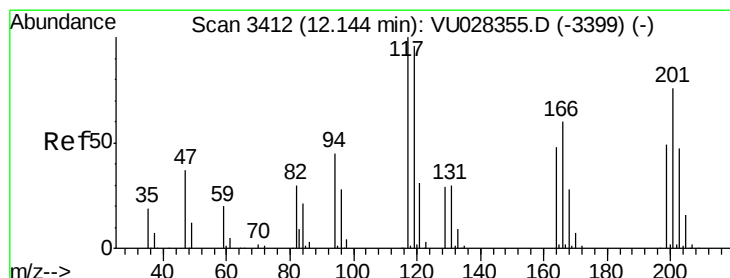
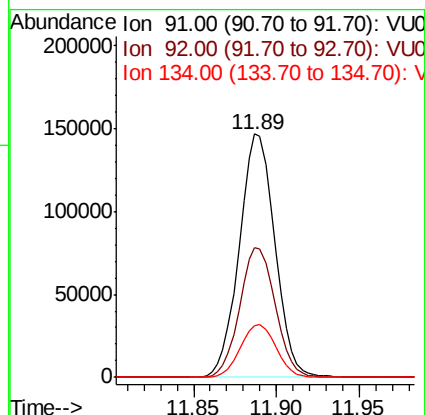
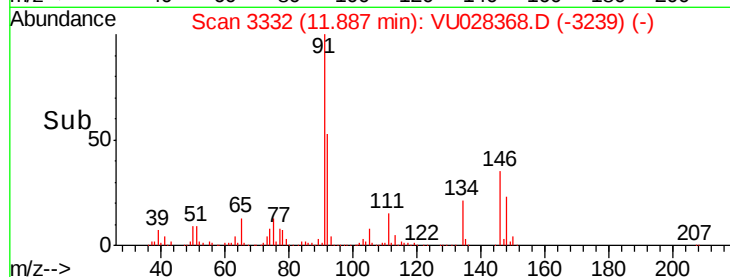
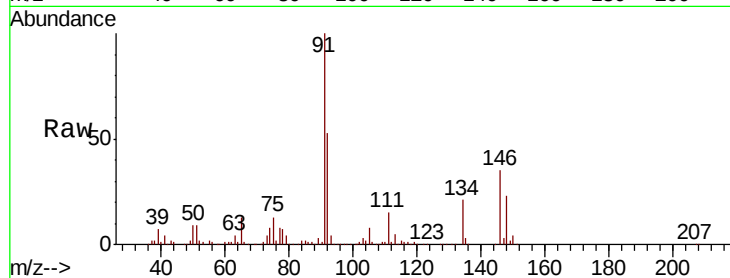
Tot Ion: 91 Resp: 219328

Ion Ratio Lower Upper

91 100

92 53.3 26.2 78.5

134 21.8 11.1 33.1



#90

Hexachloroethane

Concen: 19.538 ug/l

RT: 12.14 min Scan# 3412

Delta R.T. 0.00 min

Lab File: VU028368.D

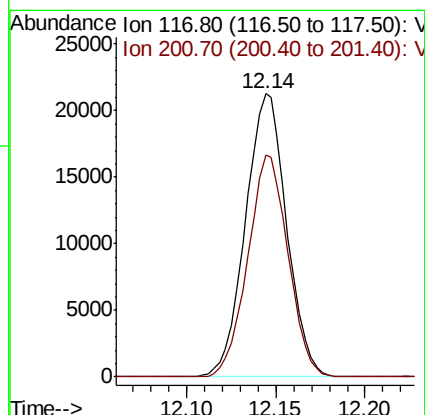
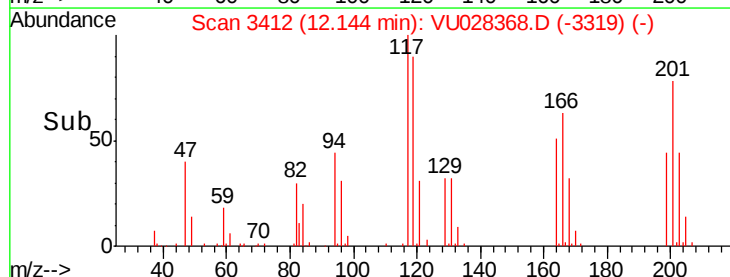
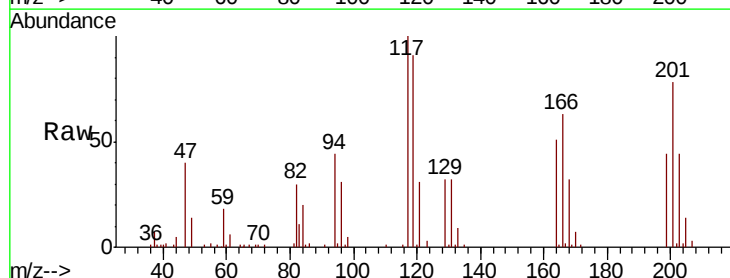
Acq: 28 Nov 2018 16:07

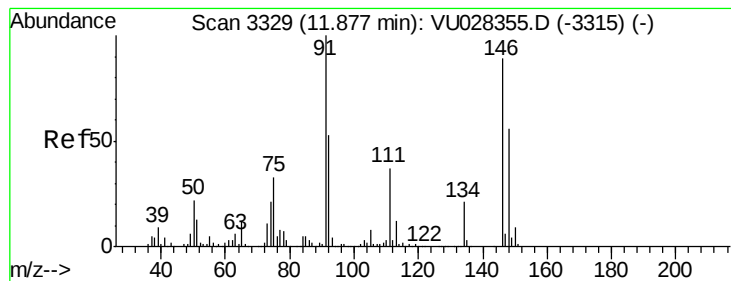
Tgt Ion: 117 Resp: 34313

Ion Ratio Lower Upper

117 100

201 76.5 37.7 113.1





#91

1,2-Dichlorobenzene

Concen: 20.402 ug/l

RT: 11.88 min Scan# 3329

Delta R.T. 0.00 min

Lab File: VU028368.D

Acq: 28 Nov 2018 16:07

Instrument :

MSVOA_U

ClientSampleId :

VU1128WBS01

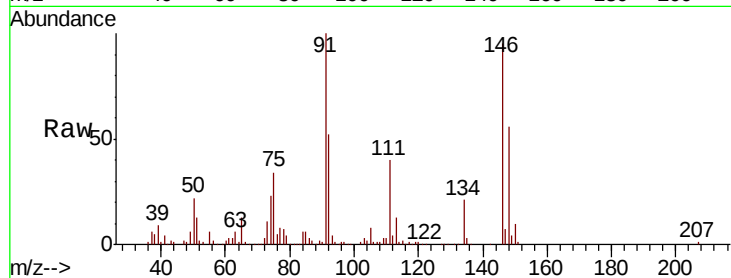
Tot Ion:146 Resp: 117291

Ion Ratio Lower Upper

146 100

111 43.4 21.4 64.3

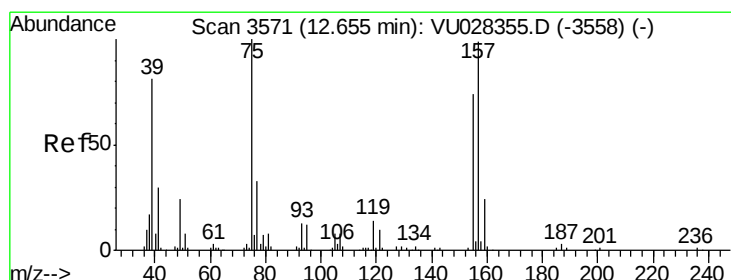
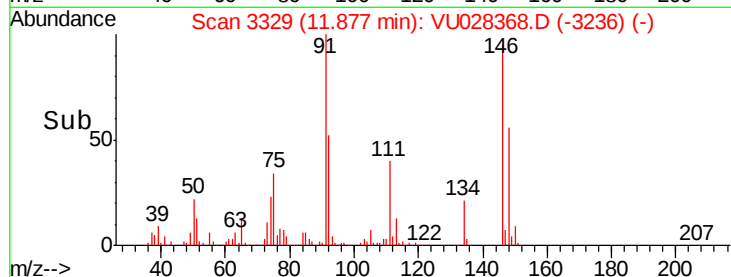
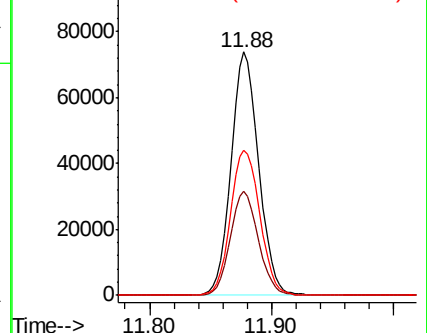
148 63.2 32.2 96.6



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: 21.217 ug/l

RT: 12.66 min Scan# 3571

Delta R.T. 0.00 min

Lab File: VU028368.D

Acq: 28 Nov 2018 16:07

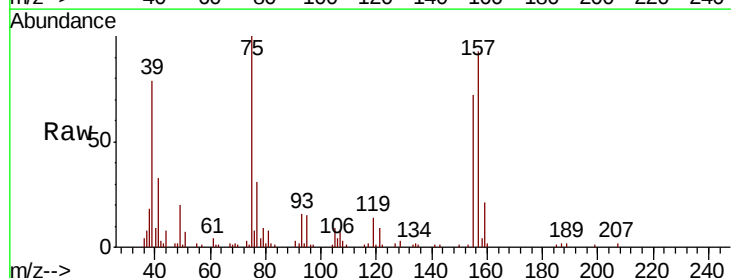
Tgt Ion: 75 Resp: 26021

Ion Ratio Lower Upper

75 100

155 68.6 36.9 110.7

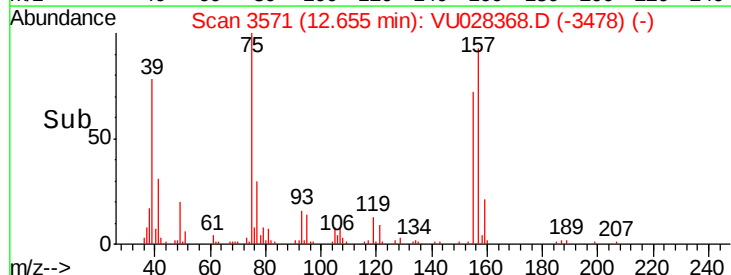
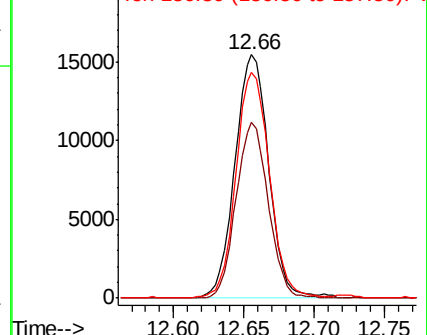
157 92.2 47.5 142.5

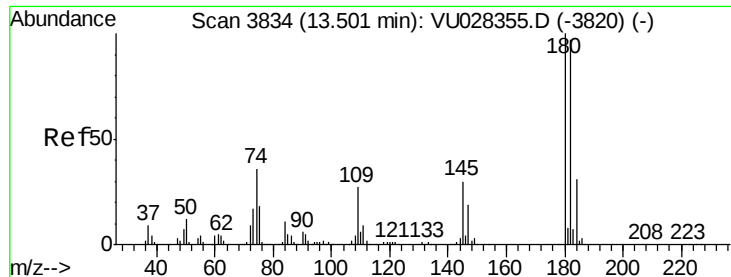


Abundance Ion 74.90 (74.60 to 75.60): VU0

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V

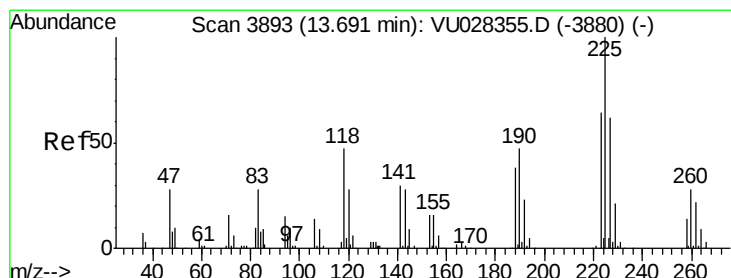
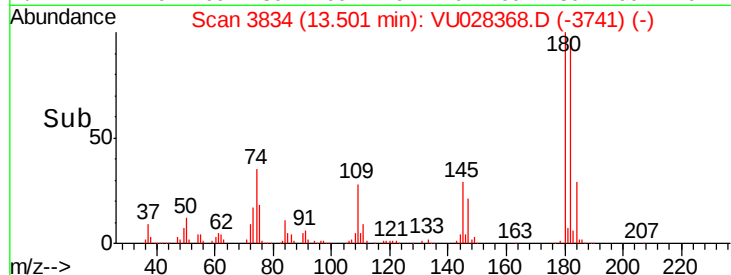
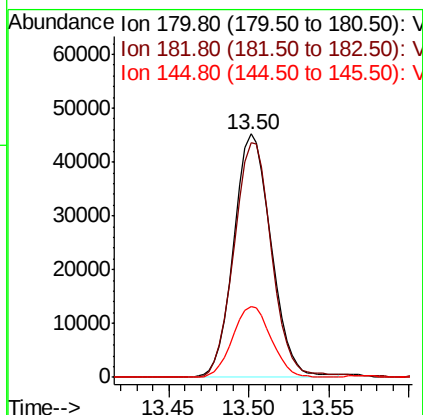
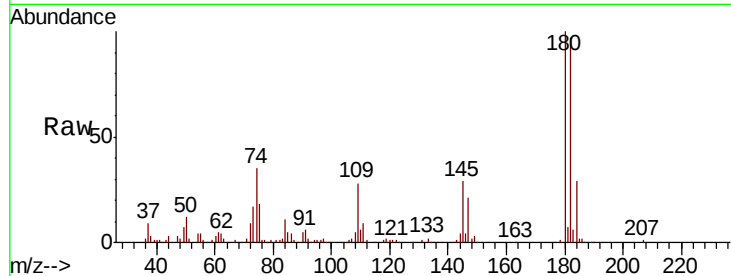




#93
 1,2,4-Trichlorobenzene
 Concen: 19.172 ug/l
 RT: 13.50 min Scan# 3834
 Delta R.T. 0.00 min
 Lab File: VU028368.D
 Acq: 28 Nov 2018 16:07

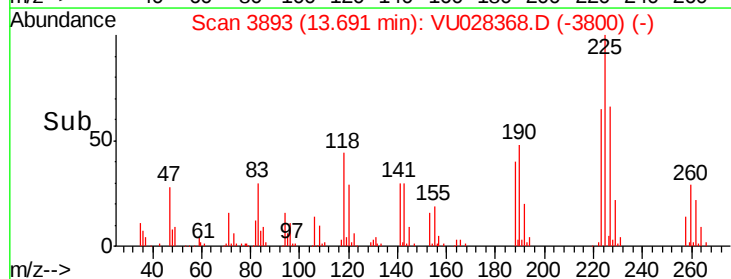
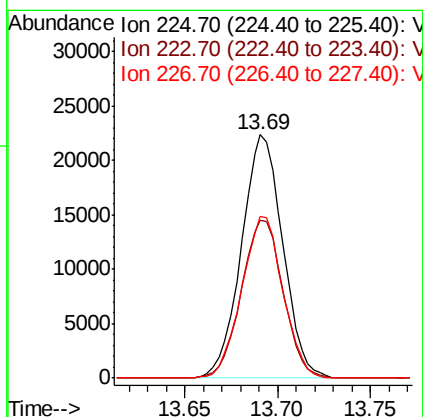
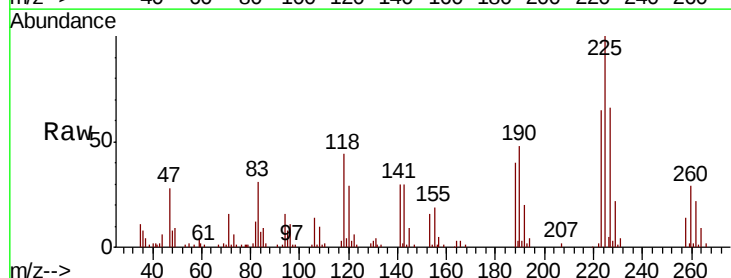
Instrument :
 MSVOA_U
 ClientSampleId :
 VU1128WBS01

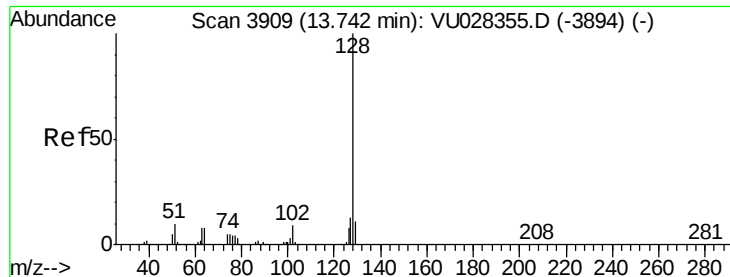
Tot Ion:180 Resp: 72147
 Ion Ratio Lower Upper
 180 100
 182 97.6 48.3 144.9
 145 29.8 15.2 45.5



#94
 Hexachlorobutadiene
 Concen: 19.413 ug/l
 RT: 13.69 min Scan# 3893
 Delta R.T. 0.00 min
 Lab File: VU028368.D
 Acq: 28 Nov 2018 16:07

Tgt Ion:225 Resp: 34496
 Ion Ratio Lower Upper
 225 100
 223 65.8 31.6 94.7
 227 66.0 30.8 92.4

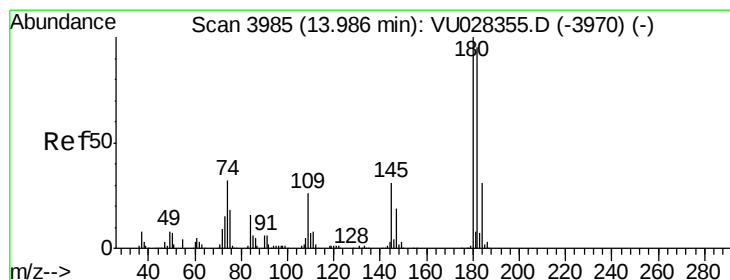
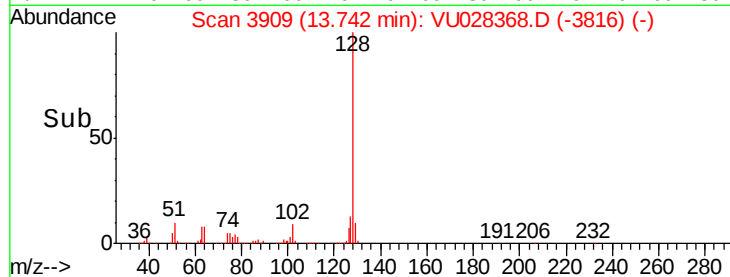
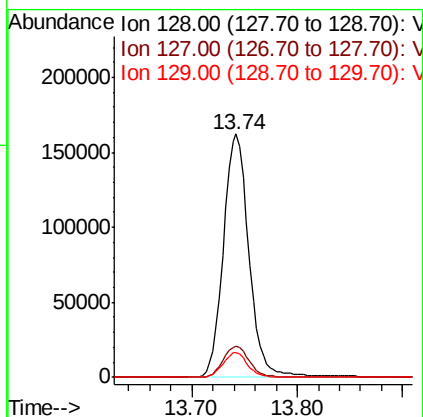
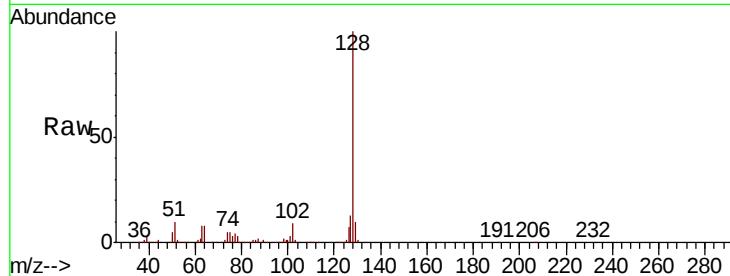




#95
Naphthalene
Concen: 20.515 ug/l
RT: 13.74 min Scan# 3909
Delta R.T. 0.00 min
Lab File: VU028368.D
Acq: 28 Nov 2018 16:07

Instrument :
MSVOA_U
ClientSampleId :
VU1128WBS01

Tot Ion:128 Resp: 271942
Ion Ratio Lower Upper
128 100
127 13.3 10.6 15.8
129 10.2 8.6 12.8



#96
1,2,3-Trichlorobenzene
Concen: 20.191 ug/l
RT: 13.99 min Scan# 3985
Delta R.T. 0.00 min
Lab File: VU028368.D
Acq: 28 Nov 2018 16:07

Tgt Ion:180 Resp: 76847
Ion Ratio Lower Upper
180 100
182 94.9 47.7 143.1
145 31.0 15.7 47.1

