

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU062818\
 Data File : VU025011.D
 Acq On : 28 Jun 2018 11:24
 Operator : MD/SY
 Sample : VU0628MBS01
 Misc : 5.00g/10mL/100uL/5.0mL/MSVOA_U/MEOH
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VU0628MBS01

Quant Time: Jun 29 05:03:01 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\82U061318W.M
 Quant Title : SW846 8260
 QLast Update : Wed Jun 13 13:55:26 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.99	168	182305	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.89	114	273735	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.09	117	252170	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.49	152	151929	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.31	65	138583	46.56	ug/l	0.00
Spiked Amount	50.000		Recovery	=	93.12%	
35) Dibromofluoromethane	4.89	113	110540	48.66	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.32%	
50) Toluene-d8	7.57	98	374881	45.24	ug/l	0.00
Spiked Amount	50.000		Recovery	=	90.48%	
62) 4-Bromofluorobenzene	10.31	95	153807	46.75	ug/l	0.00
Spiked Amount	50.000		Recovery	=	93.50%	

Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.20	85	38545	16.892	ug/l	99
3) Chloromethane	1.33	50	41716	17.894	ug/l	99
4) Vinyl Chloride	1.40	62	43314	18.016	ug/l	100
5) Bromomethane	1.62	94	28054	24.138	ug/l	96
6) Chloroethane	1.70	64	28814	20.833	ug/l	96
7) Trichlorofluoromethane	1.89	101	74073	20.189	ug/l	100
8) Diethyl Ether	2.10	74	26524	20.118	ug/l	94
9) 1,1,2-Trichlorotrifluoroet	2.29	101	43819	19.251	ug/l	97
10) Methyl Iodide	2.41	142	43996	25.711	ug/l	100
11) Tert butyl alcohol	2.82	59	63756	88.081	ug/l	99
12) 1,1-Dichloroethene	2.28	96	40032	19.285	ug/l	96
13) Acrolein	2.19	56	12685	33.373	ug/l	93
14) Allyl chloride	2.60	41	69656	18.073	ug/l	98
15) Acrylonitrile	2.93	53	135029	95.881	ug/l	99
16) Acetone	2.32	43	162183	101.422	ug/l	96
17) Carbon Disulfide	2.48	76	113288	17.044	ug/l	99
18) Methyl Acetate	2.62	43	74820	21.825	ug/l	97
19) Methyl tert-butyl Ether	3.00	73	156205	20.019	ug/l	97
20) Methylene Chloride	2.70	84	48769	19.437	ug/l	97
21) trans-1,2-Dichloroethene	2.99	96	43576	19.060	ug/l	98
22) Diisopropyl ether	3.57	45	150875	19.747	ug/l	94
23) Vinyl Acetate	3.53	43	642536	93.880	ug/l	99
24) 1,1-Dichloroethane	3.45	63	87979	20.017	ug/l	98
25) 2-Butanone	4.26	43	209408	97.492	ug/l	98
26) 2,2-Dichloropropane	4.23	77	84027	20.133	ug/l	97
27) cis-1,2-Dichloroethene	4.23	96	52609	20.015	ug/l	99
28) Bromochloromethane	4.55	49	39730	20.522	ug/l	86
29) Tetrahydrofuran	4.64	42	121948	91.680	ug/l	96
30) Chloroform	4.68	83	91152	20.489	ug/l	99
31) Cyclohexane	5.00	56	81677	19.731	ug/l	93
32) 1,1,1-Trichloroethane	4.92	97	84301	20.492	ug/l	96
36) 1,1-Dichloropropene	5.14	75	66050	20.534	ug/l	99
37) Ethyl Acetate	4.38	43	70614	20.142	ug/l	97
38) Carbon Tetrachloride	5.14	117	72706	20.555	ug/l	96

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	6.42	83	83693	20.850	ug/l	97
40) Benzene	5.39	78	193143	21.073	ug/l	98
41) Methacrylonitrile	4.54	41	40754	21.560	ug/l	98
42) 1,2-Dichloroethane	5.41	62	77937	22.326	ug/l	99
43) Isopropyl Acetate	5.55	43	116945	19.298	ug/l	99
44) Trichloroethene	6.19	130	54260	20.801	ug/l	94
45) 1,2-Dichloropropane	6.44	63	50041	20.462	ug/l	96
46) Dibromomethane	6.56	93	35704	20.785	ug/l	92
47) Bromodichloromethane	6.76	83	68465	20.015	ug/l	99
48) Methyl methacrylate	6.63	41	59984	20.328	ug/l	98
49) 1,4-Dioxane	6.62	88	25487	441.654	ug/l	97
51) 4-Methyl-2-Pentanone	7.46	43	376212	98.815	ug/l	99
52) Toluene	7.64	92	124211	21.064	ug/l	99
53) t-1,3-Dichloropropene	7.88	75	74840	19.482	ug/l	98
54) cis-1,3-Dichloropropene	7.27	75	78275	19.123	ug/l	99
55) 1,1,2-Trichloroethane	8.07	97	50017	20.867	ug/l	97
56) Ethyl methacrylate	8.02	69	76915	19.172	ug/l	97
57) 1,3-Dichloropropane	8.25	76	85185	21.067	ug/l	100
58) 2-Chloroethyl Vinyl ether	7.13	63	41504	27.003	ug/l	93
59) 2-Hexanone	8.36	43	301949	97.145	ug/l	99
60) Dibromochloromethane	8.48	129	56049	18.752	ug/l	99
61) 1,2-Dibromoethane	8.59	107	53932	20.215	ug/l	97
64) Tetrachloroethene	8.23	164	50276	20.975	ug/l	97
65) Chlorobenzene	9.12	112	139415	21.641	ug/l	98
66) 1,1,1,2-Tetrachloroethane	9.21	131	52617	21.499	ug/l	98
67) Ethyl Benzene	9.25	91	243463	21.558	ug/l	99
68) m/p-Xylenes	9.38	106	191409	44.138	ug/l	96
69) o-Xylene	9.78	106	93478	21.780	ug/l	98
70) Styrene	9.80	104	147644	20.934	ug/l	99
71) Bromoform	9.96	173	42614	18.318	ug/l #	98
73) Isopropylbenzene	10.17	105	253349	21.720	ug/l	100
74) N-amyl acetate	10.01	43	101768	18.343	ug/l	99
75) 1,1,2,2-Tetrachloroethane	10.46	83	79580	20.359	ug/l	99
76) 1,2,3-Trichloropropane	10.50	75	94664	28.301	ug/l	85
77) Bromobenzene	10.45	156	64174	21.732	ug/l	94
78) n-propylbenzene	10.59	91	286138	20.824	ug/l	97
79) 2-Chlorotoluene	10.66	91	173193	21.374	ug/l	98
80) 1,3,5-Trimethylbenzene	10.78	105	220088	21.769	ug/l	99
81) trans-1,4-Dichloro-2-buten	10.50	75	94664	65.500	ug/l #	100
82) 4-Chlorotoluene	10.78	91	199657	21.170	ug/l	99
83) tert-Butylbenzene	11.10	119	216753	22.288	ug/l	99
84) 1,2,4-Trimethylbenzene	11.15	105	218490	21.206	ug/l	100
85) sec-Butylbenzene	11.33	105	259313	21.302	ug/l	98
86) p-Isopropyltoluene	11.48	119	232072	21.286	ug/l	99
87) 1,3-Dichlorobenzene	11.42	146	115445	21.160	ug/l	98
88) 1,4-Dichlorobenzene	11.51	146	116299	21.179	ug/l	99
89) n-Butylbenzene	11.89	91	183641	18.972	ug/l	97
90) Hexachloroethane	12.15	117	39310	18.483	ug/l	98
91) 1,2-Dichlorobenzene	11.88	146	118820	21.744	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	12.66	75	20176	18.707	ug/l	96

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.51	180	73626	21.818	ug/l	99
94) Hexachlorobutadiene	13.70	225	41281	21.734	ug/l	99
95) Naphthalene	13.75	128	231557	21.125	ug/l	99
96) 1,2,3-Trichlorobenzene	13.99	180	75104	22.336	ug/l	98

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 4.99 min Scan# 1367

Delta R.T. -0.00 min

Lab File: VU025011.D

Acq: 28 Jun 2018 11:24

Instrument :

MSVOA_U

ClientSampleId :

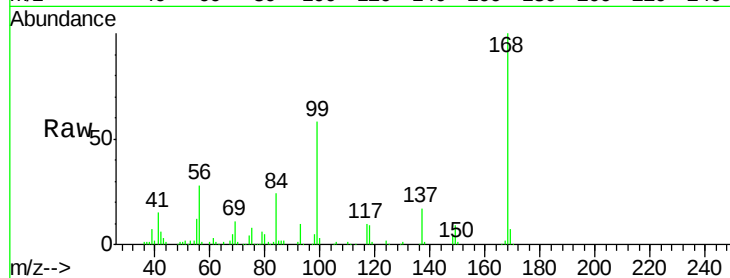
VU0628MBS01

Tgt Ion:168 Resp: 182305

Ion Ratio Lower Upper

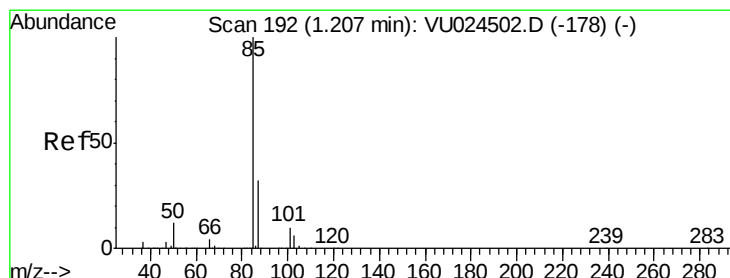
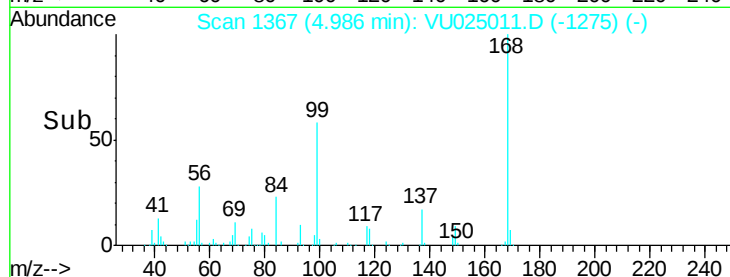
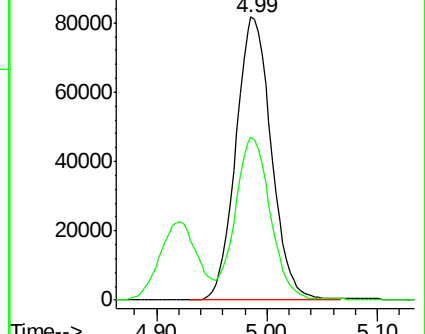
168 100

99 57.0 43.2 64.8



Abundance Ion 167.90 (167.60 to 168.60): VU024502.D (-1351) (-)

Ion 98.90 (98.60 to 99.60): VU024502.D (-1351) (-)



#2

Dichlorodifluoromethane

Concen: 16.892 ug/l

RT: 1.20 min Scan# 191

Delta R.T. -0.00 min

Lab File: VU025011.D

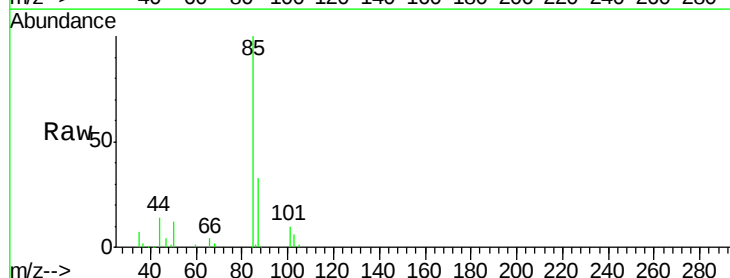
Acq: 28 Jun 2018 11:24

Tgt Ion: 85 Resp: 38545

Ion Ratio Lower Upper

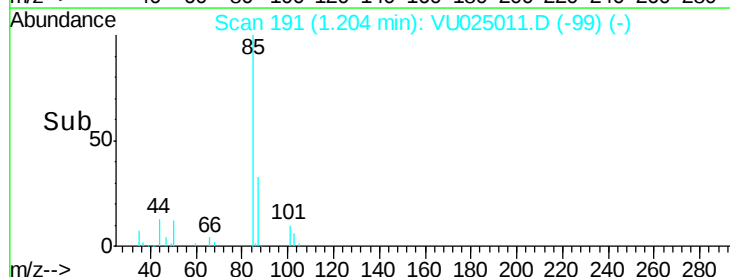
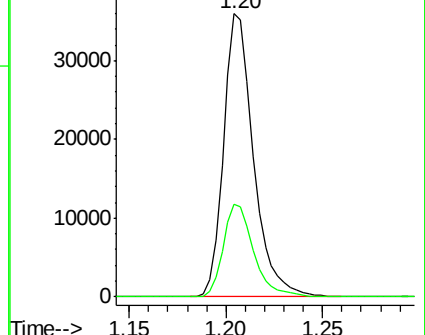
85 100

87 32.8 16.1 48.2



Abundance Ion 84.90 (84.60 to 85.60): VU024502.D (-178) (-)

Ion 86.90 (86.60 to 87.60): VU024502.D (-178) (-)





#3

Chloromethane

Concen: 17.894 ug/l

RT: 1.33 min Scan# 229

Delta R.T. -0.00 min

Lab File: VU025011.D

Acq: 28 Jun 2018 11:24

Instrument :

MSVOA_U

ClientSampleId :

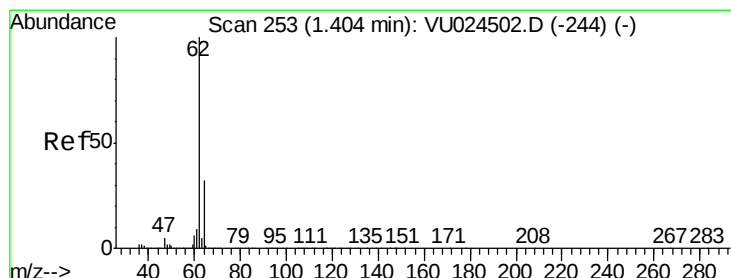
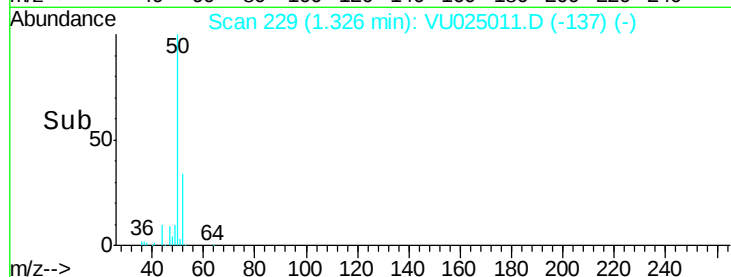
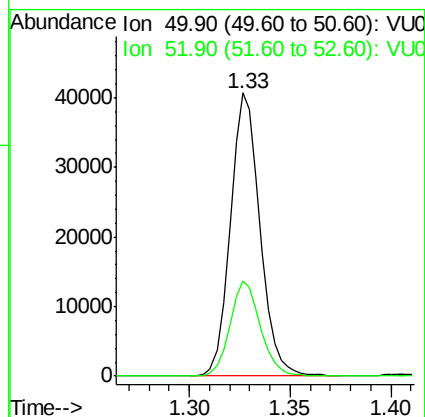
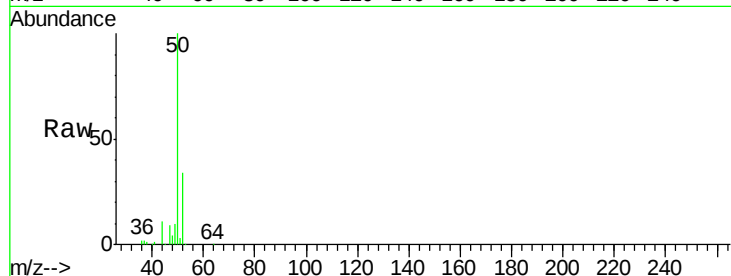
VU0628MBS01

Tgt Ion: 50 Resp: 41716

Ion Ratio Lower Upper

50 100

52 33.6 26.4 39.6



#4

Vinyl Chloride

Concen: 18.016 ug/l

RT: 1.40 min Scan# 253

Delta R.T. 0.00 min

Lab File: VU025011.D

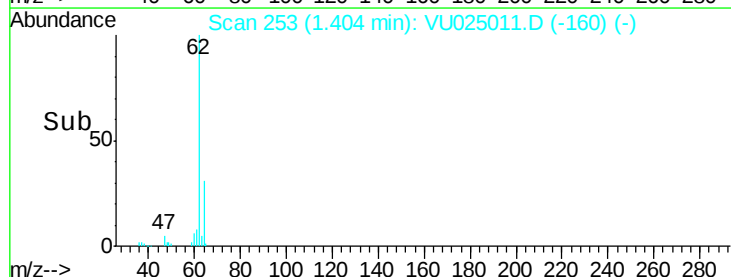
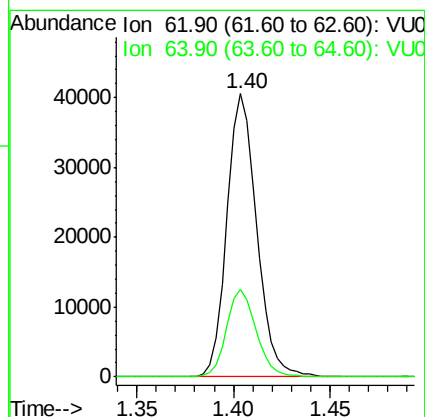
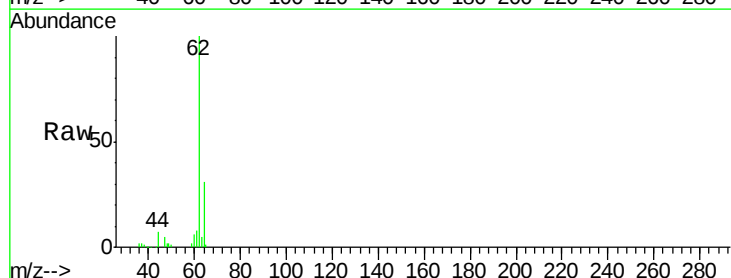
Acq: 28 Jun 2018 11:24

Tgt Ion: 62 Resp: 43314

Ion Ratio Lower Upper

62 100

64 30.9 24.8 37.2





#5

Bromomethane

Concen: 24.138 ug/l

RT: 1.62 min Scan# 320

Delta R.T. -0.00 min

Lab File: VU025011.D

Acq: 28 Jun 2018 11:24

Instrument :

MSVOA_U

ClientSampleId :

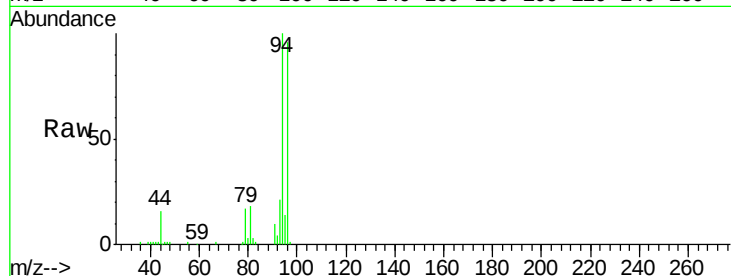
VU0628MBS01

Tgt Ion: 94 Resp: 28054

Ion Ratio Lower Upper

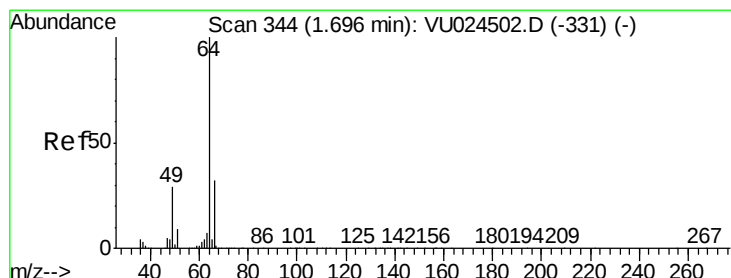
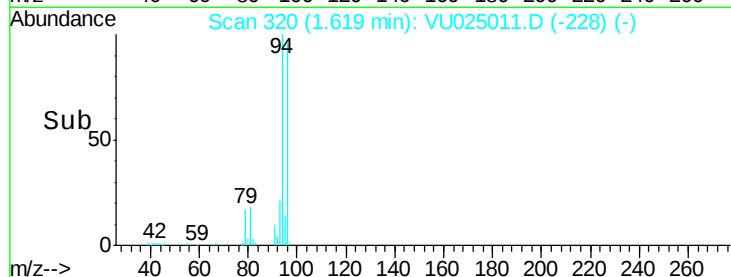
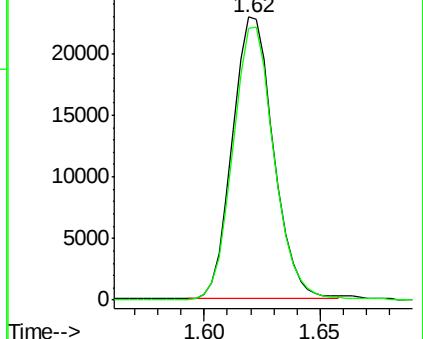
94 100

96 96.7 74.5 111.7



Abundance Ion 93.90 (93.60 to 94.60): VU0

Ion 95.90 (95.60 to 96.60): VU0



#6

Chloroethane

Concen: 20.833 ug/l

RT: 1.70 min Scan# 344

Delta R.T. 0.00 min

Lab File: VU025011.D

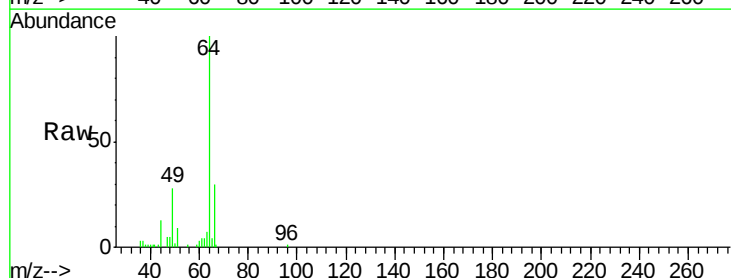
Acq: 28 Jun 2018 11:24

Tgt Ion: 64 Resp: 28814

Ion Ratio Lower Upper

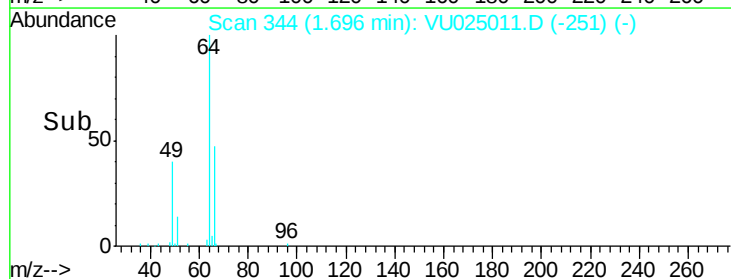
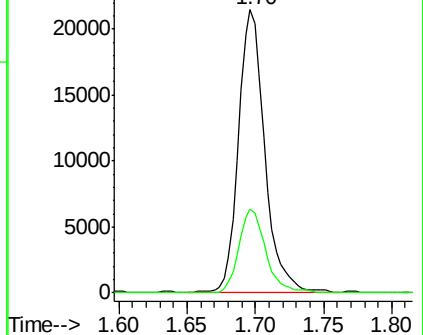
64 100

66 29.8 25.5 38.3



Abundance Ion 63.90 (63.60 to 64.60): VU0

Ion 65.90 (65.60 to 66.60): VU0



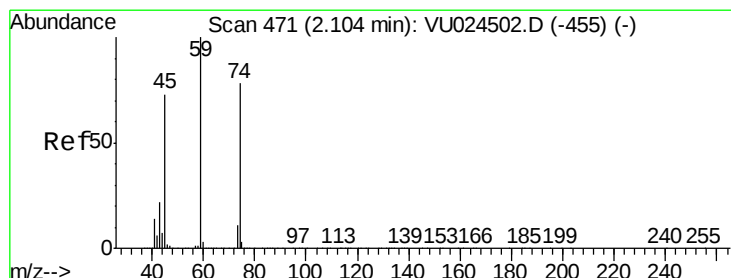
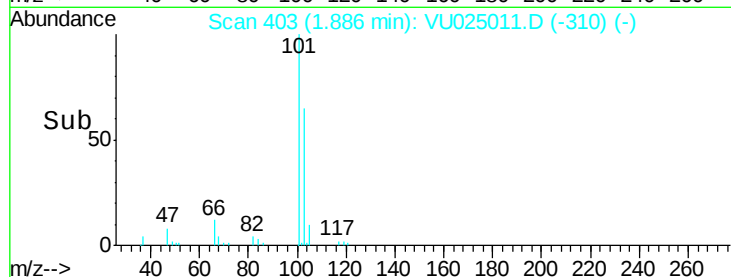
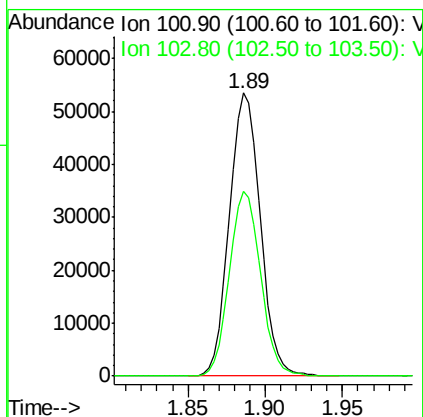
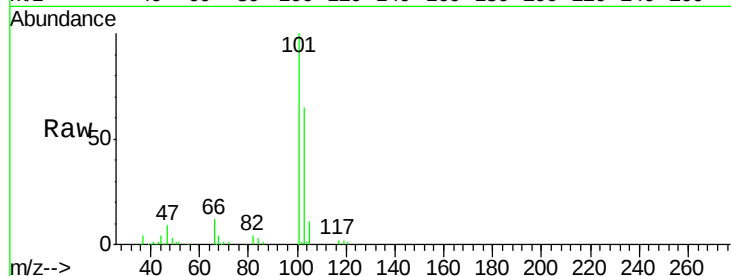


#7

Trichlorofluoromethane
 Concen: 20.189 ug/l
 RT: 1.89 min Scan# 403
 Delta R.T. 0.00 min
 Lab File: VU025011.D
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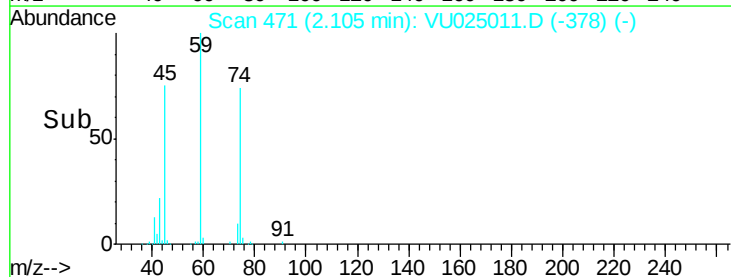
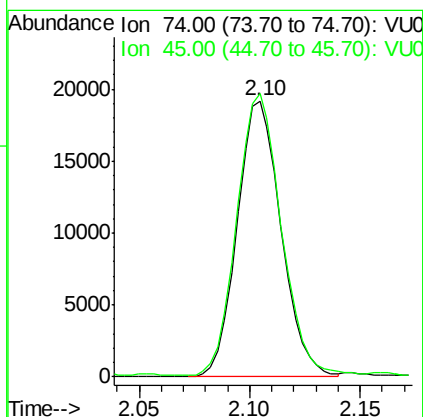
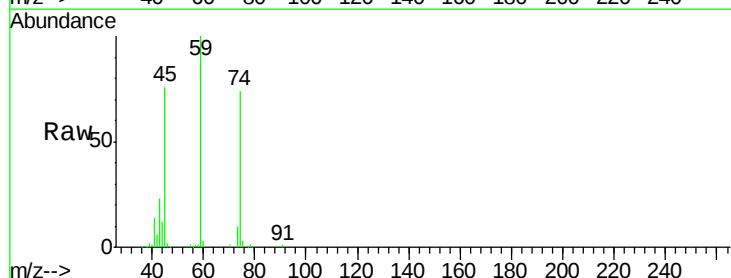
Tgt Ion:101 Resp: 74073
 Ion Ratio Lower Upper
 101 100
 103 65.3 52.3 78.5



#8

Diethyl Ether
 Concen: 20.118 ug/l
 RT: 2.10 min Scan# 471
 Delta R.T. 0.00 min
 Lab File: VU025011.D
 Acq: 28 Jun 2018 11:24

Tgt Ion: 74 Resp: 26524
 Ion Ratio Lower Upper
 74 100
 45 103.6 55.0 165.0

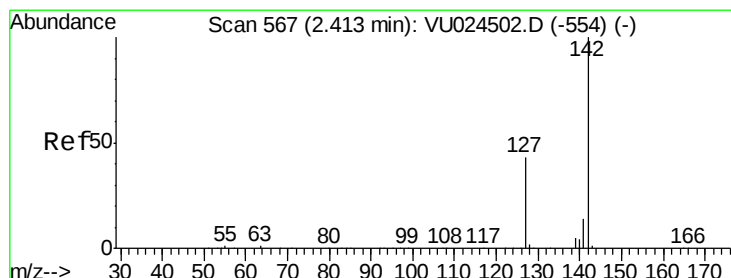
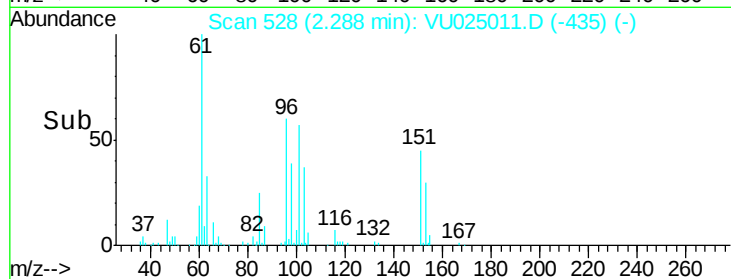
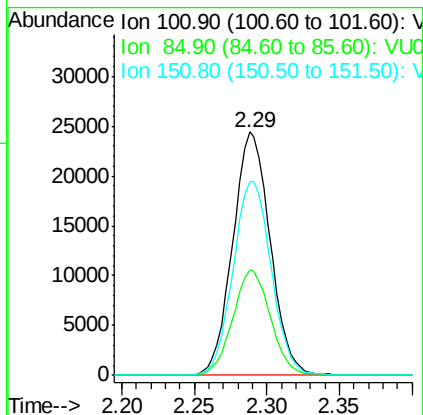
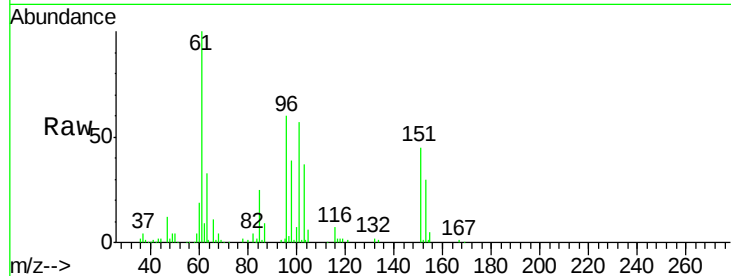




#9
 1,1,2-Trichlorotrifluoroethane
 Concen: 19.251 ug/l
 RT: 2.29 min Scan# 528
 Delta R.T. 0.00 min
 Lab File: VU025011.D
 Acq: 28 Jun 2018 11:24

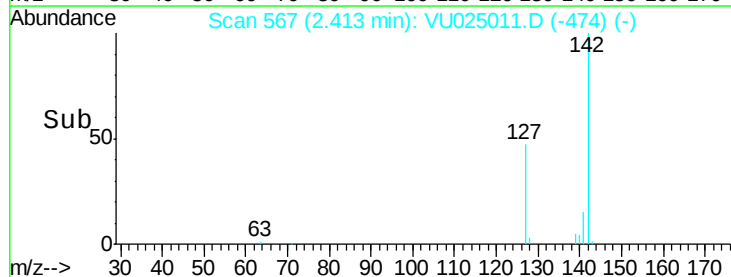
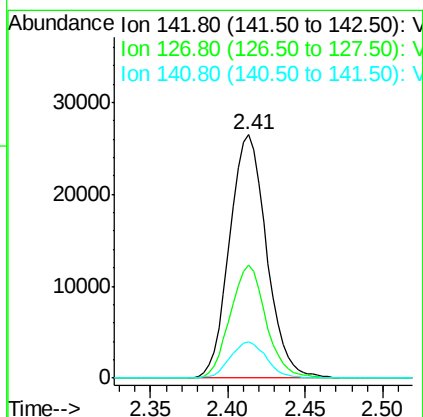
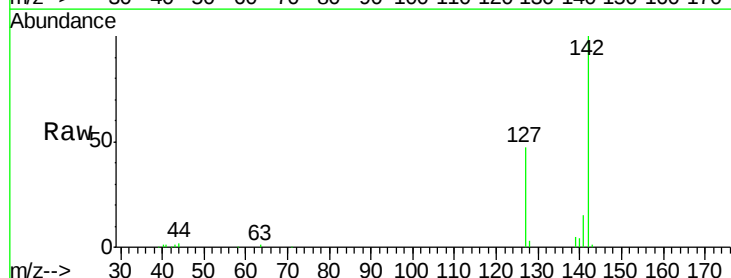
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Tgt Ion	Ratio	Lower	Upper
101	100		
85	43.5	36.0	54.0
151	81.2	62.3	93.5



#10
 Methyl Iodide
 Concen: 25.711 ug/l
 RT: 2.41 min Scan# 567
 Delta R.T. 0.00 min
 Lab File: VU025011.D
 Acq: 28 Jun 2018 11:24

Tgt Ion	Ratio	Lower	Upper
142	100		
127	44.7	35.6	53.4
141	14.5	11.7	17.5



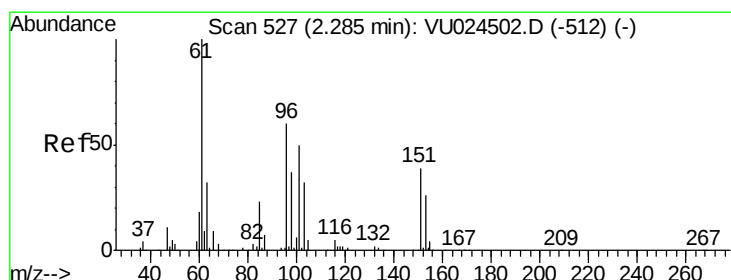
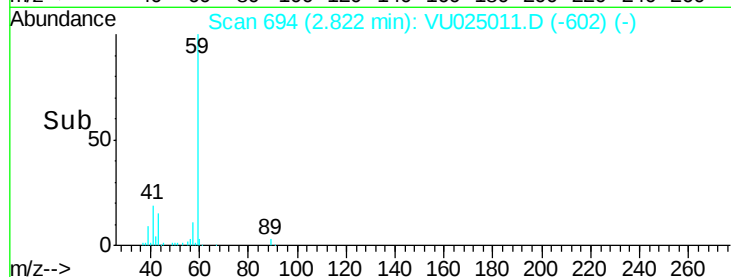
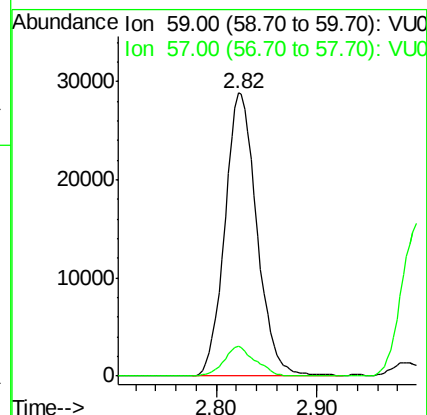
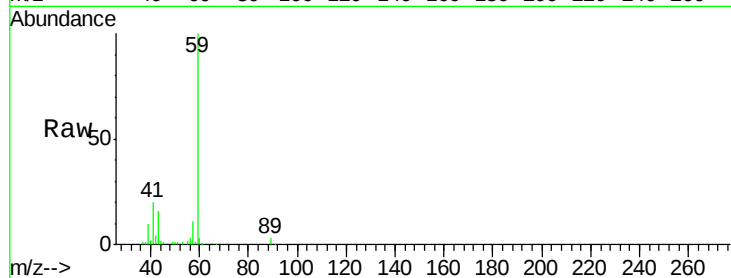


#11

Tert butyl alcohol
 Concen: 88.081 ug/l
 RT: 2.82 min Scan# 694
 Delta R.T. -0.00 min
 Lab File: VU025011.D
 Acq: 28 Jun 2018 11:24

Instrument :
 MSVOA_U
 ClientSampleId :
 VU0628MBS01

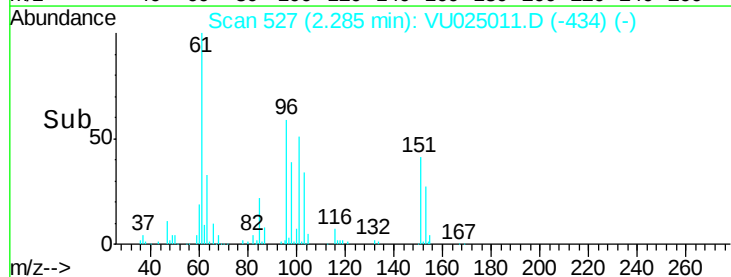
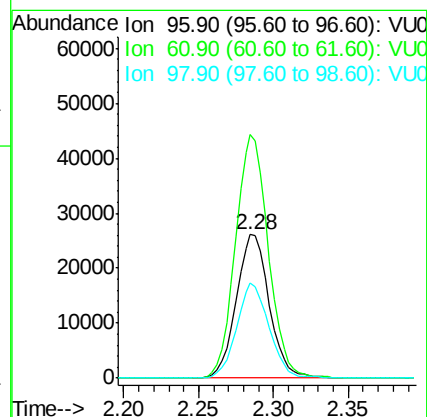
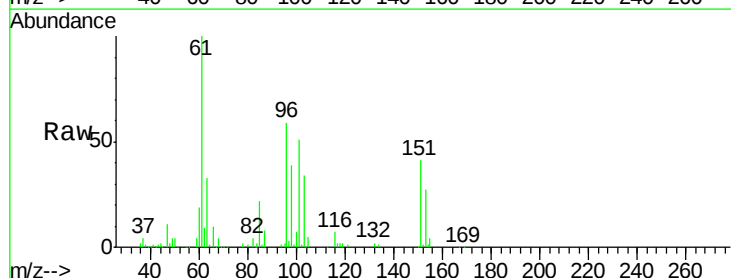
Tgt Ion: 59 Resp: 63756
 Ion Ratio Lower Upper
 59 100
 57 10.3 8.5 12.7

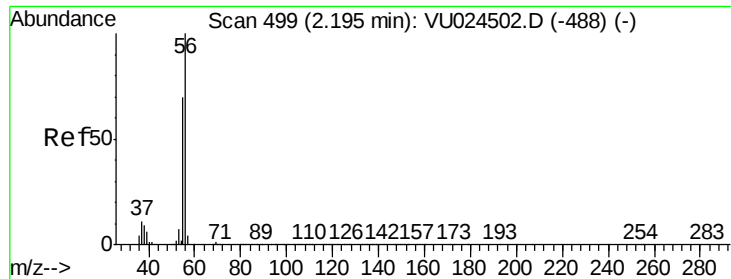


#12

1,1-Dichloroethene
 Concen: 19.285 ug/l
 RT: 2.28 min Scan# 527
 Delta R.T. 0.00 min
 Lab File: VU025011.D
 Acq: 28 Jun 2018 11:24

Tgt Ion: 96 Resp: 40032
 Ion Ratio Lower Upper
 96 100
 61 170.0 141.7 212.5
 98 66.3 51.6 77.4





#13

Acrolein

Concen: 33.373 ug/l

RT: 2.19 min Scan# 499

Delta R.T. 0.00 min

Lab File: VU025011.D

Acq: 28 Jun 2018 11:24

Instrument :

MSVOA_U

ClientSampleId :

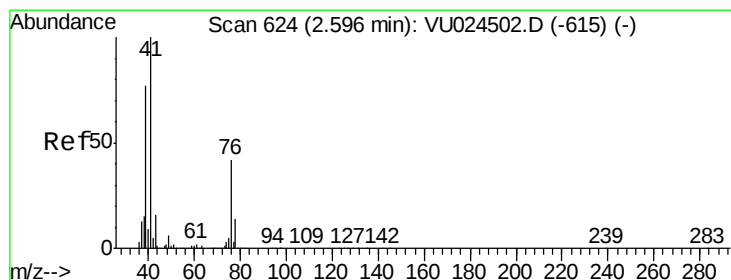
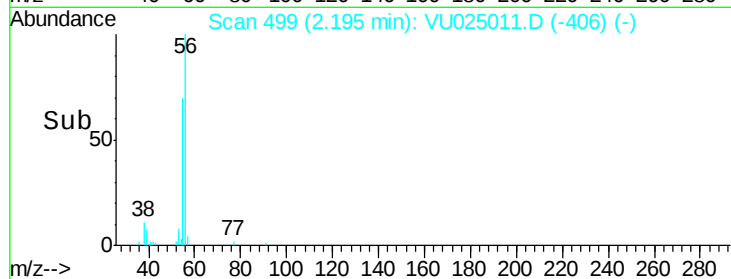
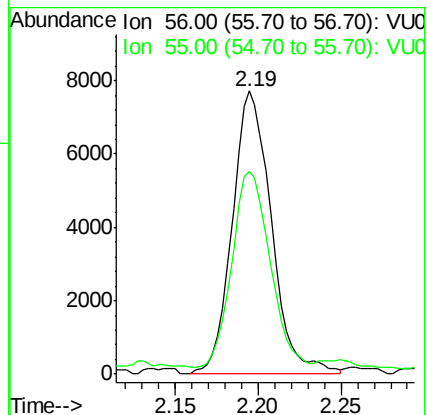
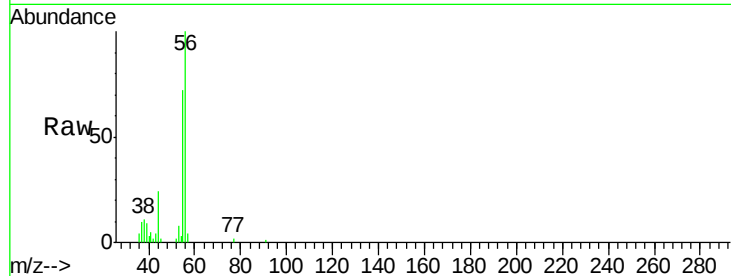
VU0628MBS01

Tgt Ion: 56 Resp: 12685

Ion Ratio Lower Upper

56 100

55 67.4 58.4 87.6



#14

Allyl chloride

Concen: 18.073 ug/l

RT: 2.60 min Scan# 624

Delta R.T. 0.00 min

Lab File: VU025011.D

Acq: 28 Jun 2018 11:24

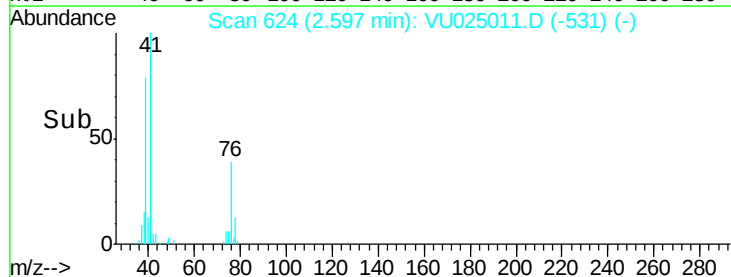
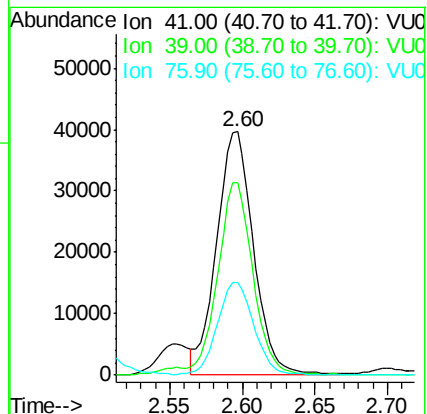
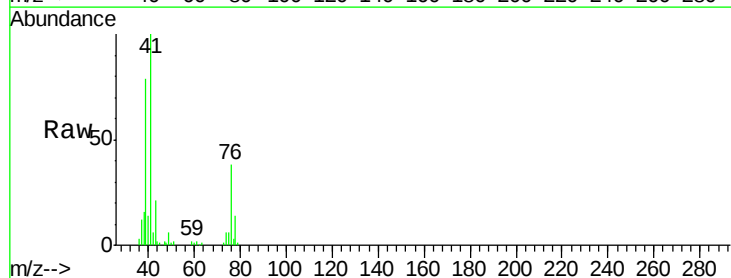
Tgt Ion: 41 Resp: 69656

Ion Ratio Lower Upper

41 100

39 74.7 61.6 92.4

76 37.8 29.7 44.5





#15

Acrylonitrile

Concen: 95.881 ug/l

RT: 2.93 min Scan# 729

Delta R.T. -0.00 min

Lab File: VU025011.D

Acq: 28 Jun 2018 11:24

Instrument :

MSVOA_U

ClientSampleId :

VU0628MBS01

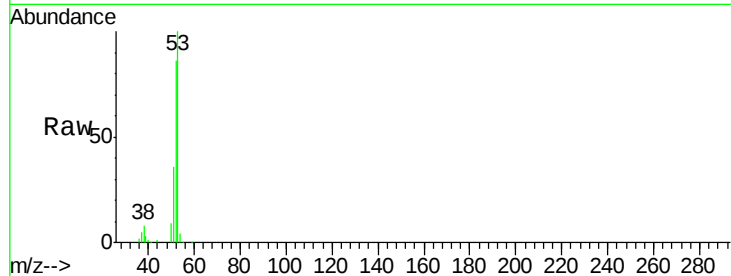
Tgt Ion: 53 Resp: 135029

Ion Ratio Lower Upper

53 100

52 84.0 67.1 100.7

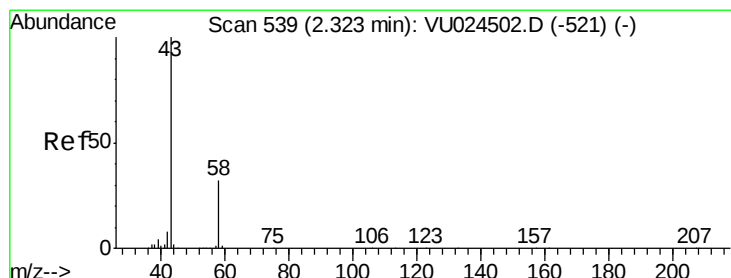
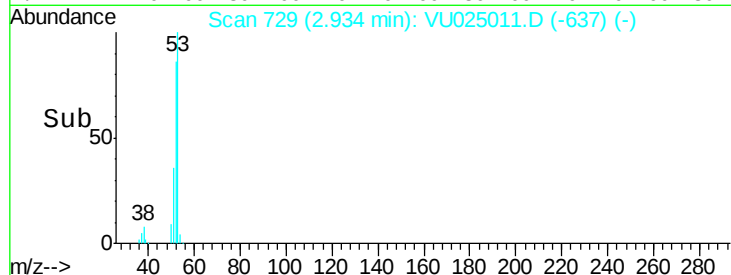
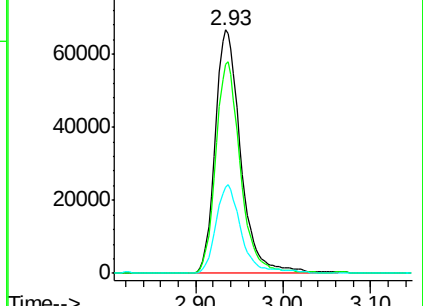
51 36.3 28.4 42.6



Abundance Ion 53.00 (52.70 to 53.70): VU0

Ion 52.00 (51.70 to 52.70): VU0

Ion 51.00 (50.70 to 51.70): VU0



#16

Acetone

Concen: 101.422 ug/l

RT: 2.32 min Scan# 538

Delta R.T. -0.00 min

Lab File: VU025011.D

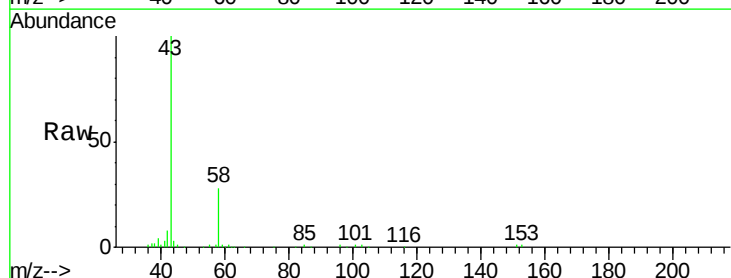
Acq: 28 Jun 2018 11:24

Tgt Ion: 43 Resp: 162183

Ion Ratio Lower Upper

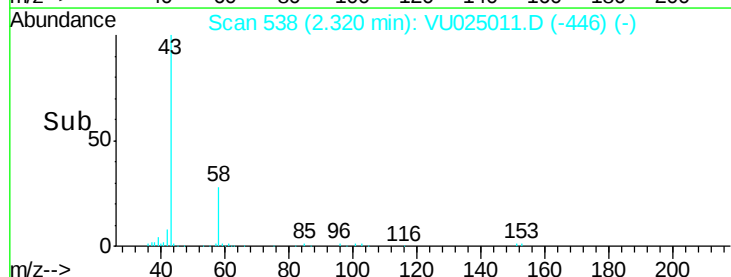
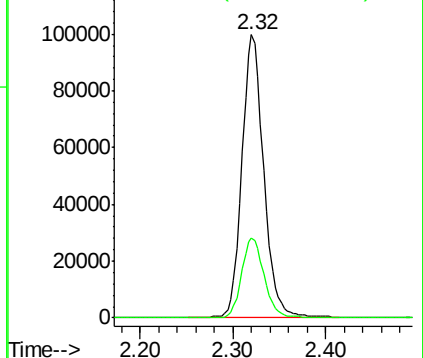
43 100

58 28.5 24.4 36.6



Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 58.00 (57.70 to 58.70): VU0





#17

Carbon Disulfide

Concen: 17.044 ug/l

RT: 2.48 min Scan# 588

Delta R.T. 0.00 min

Lab File: VU025011.D

Acq: 28 Jun 2018 11:24

Instrument :

MSVOA_U

ClientSampleId :

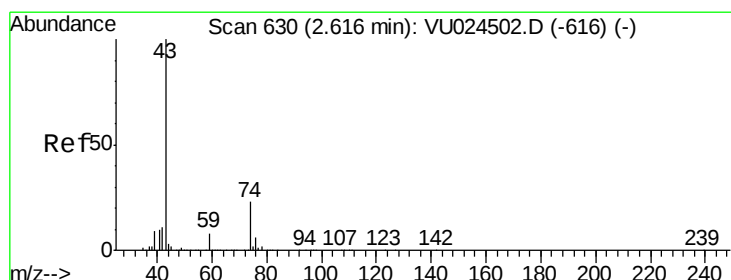
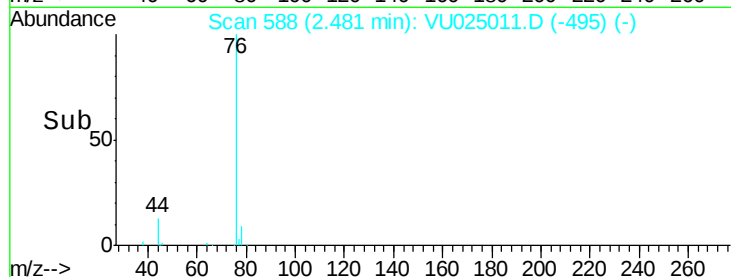
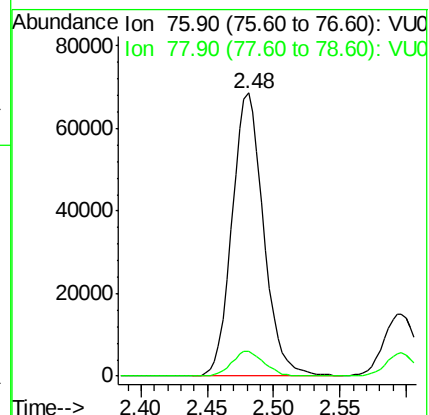
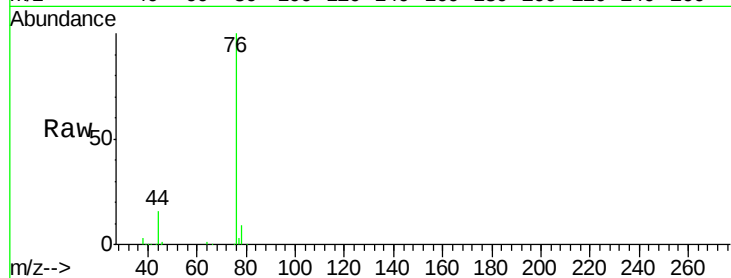
VU0628MBS01

Tgt Ion: 76 Resp: 113288

Ion Ratio Lower Upper

76 100

78 8.7 7.1 10.7



#18

Methyl Acetate

Concen: 21.825 ug/l

RT: 2.62 min Scan# 630

Delta R.T. 0.00 min

Lab File: VU025011.D

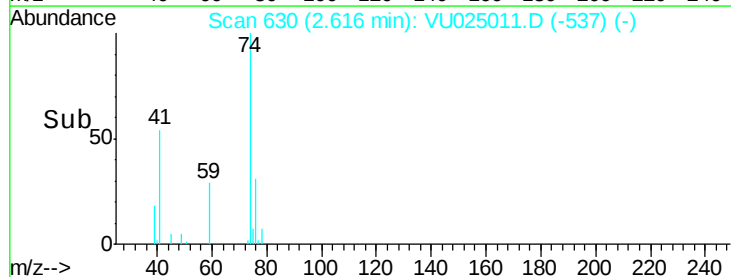
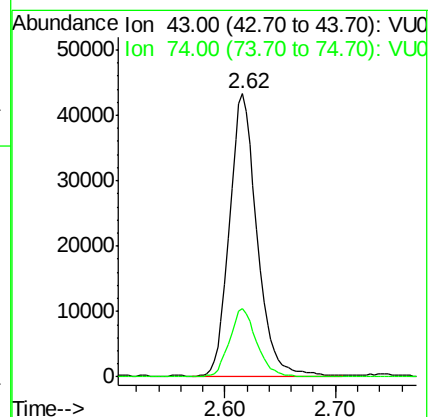
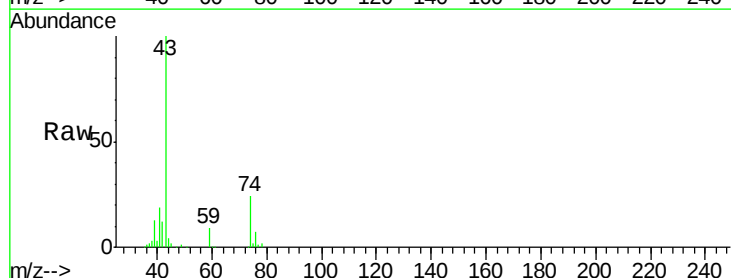
Acq: 28 Jun 2018 11:24

Tgt Ion: 43 Resp: 74820

Ion Ratio Lower Upper

43 100

74 24.0 18.0 27.0





#19

Methyl tert-butyl Ether

Concen: 20.019 ug/l

RT: 3.00 min Scan# 749

Delta R.T. -0.00 min

Lab File: VU025011.D

Acq: 28 Jun 2018 11:24

Instrument :

MSVOA_U

ClientSampleId :

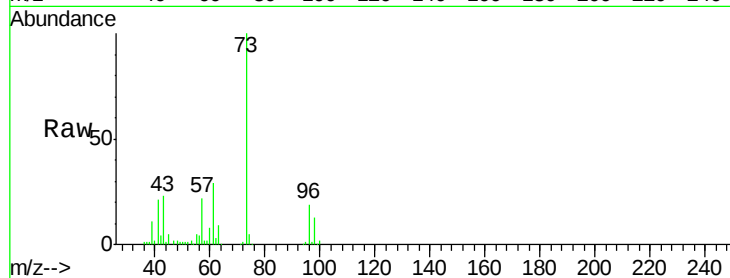
VU0628MBS01

Tgt Ion: 73 Resp: 156205

Ion Ratio Lower Upper

73 100

57 22.2 18.8 28.2



Abundance Ion 73.00 (72.70 to 73.70): VU024502.D (-723) (-)

Ion 57.00 (56.70 to 57.70): VU024502.D (-723) (-)

3.00

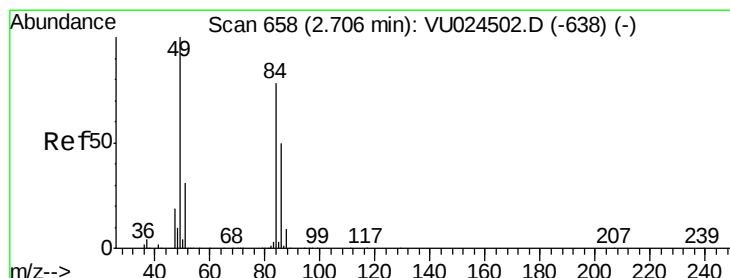
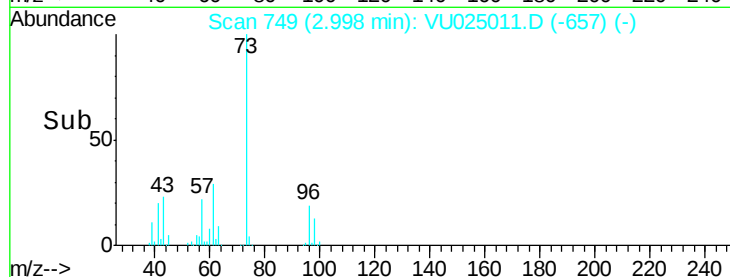
60000

40000

20000

0

Time--> 2.90 3.00 3.10



#20

Methylene Chloride

Concen: 19.437 ug/l

RT: 2.70 min Scan# 657

Delta R.T. -0.00 min

Lab File: VU025011.D

Acq: 28 Jun 2018 11:24

Tgt Ion: 84 Resp: 48769

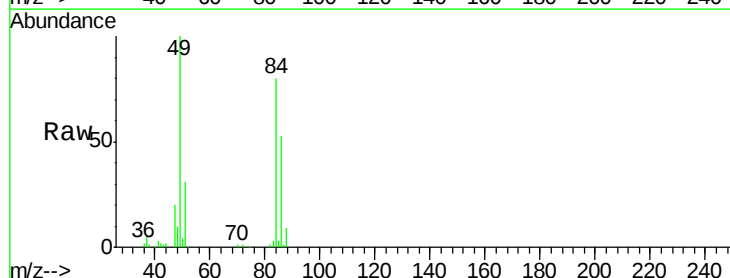
Ion Ratio Lower Upper

84 100

49 125.0 103.8 155.8

51 39.2 32.0 48.0

86 65.8 51.6 77.4



Abundance Ion 83.90 (83.60 to 84.60): VU024502.D (-638) (-)

Ion 48.90 (48.60 to 49.60): VU024502.D (-638) (-)

Ion 50.90 (50.60 to 51.60): VU024502.D (-638) (-)

Ion 85.90 (85.60 to 86.60): VU024502.D (-638) (-)

2.70

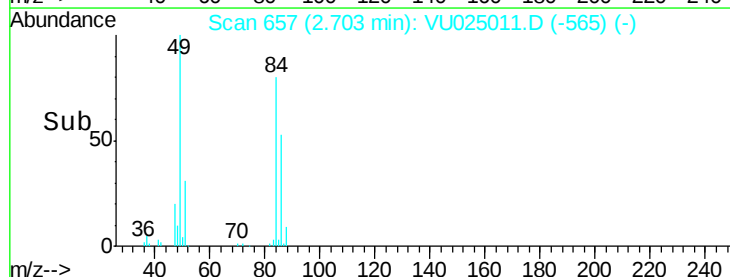
30000

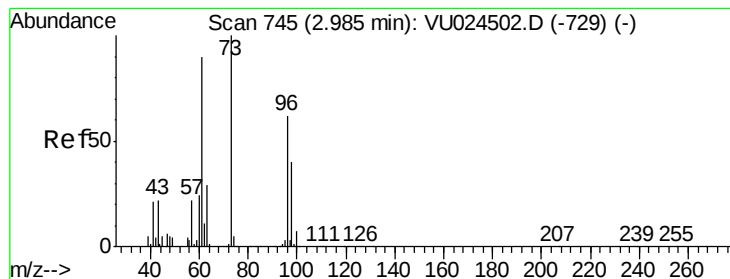
20000

10000

0

Time--> 2.65 2.70 2.75 2.80





#21

trans-1,2-Dichloroethene

Concen: 19.060 ug/l

RT: 2.99 min Scan# 745

Delta R.T. 0.00 min

Lab File: VU025011.D

Acq: 28 Jun 2018 11:24

Instrument :

MSVOA_U

ClientSampleId :

VU0628MBS01

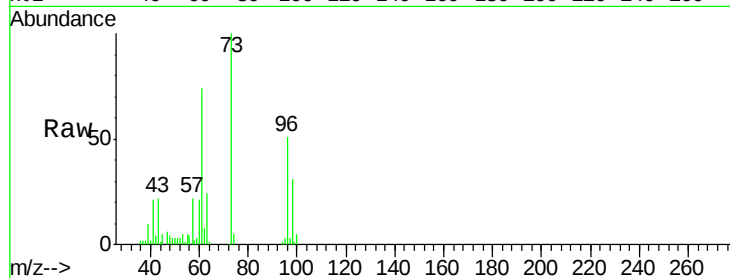
Tgt Ion: 96 Resp: 43576

Ion Ratio Lower Upper

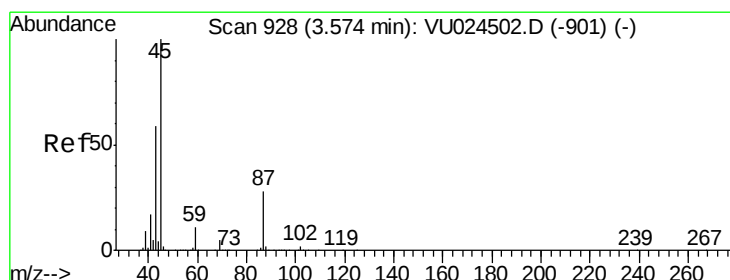
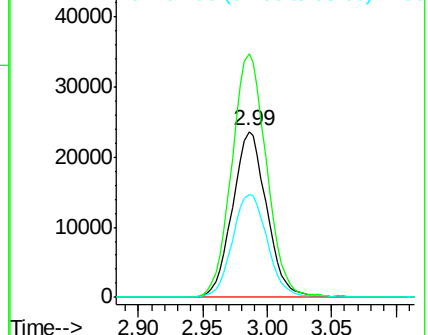
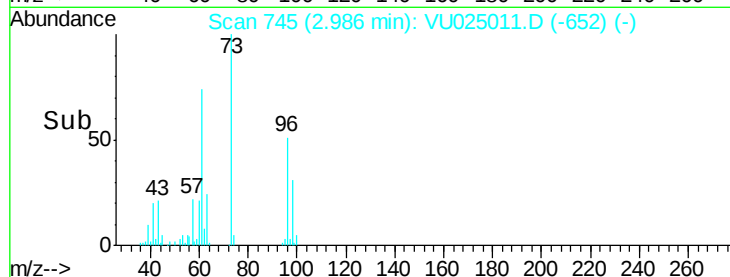
96 100

61 146.9 119.4 179.0

98 62.2 51.1 76.7



Abundance Ion 95.90 (95.60 to 96.60): VU025011.D (-652) (-)



#22

Diisopropyl ether

Concen: 19.747 ug/l

RT: 3.57 min Scan# 928

Delta R.T. 0.00 min

Lab File: VU025011.D

Acq: 28 Jun 2018 11:24

Tgt Ion: 45 Resp: 150875

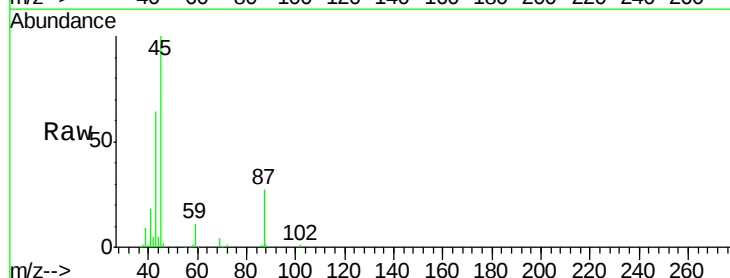
Ion Ratio Lower Upper

45 100

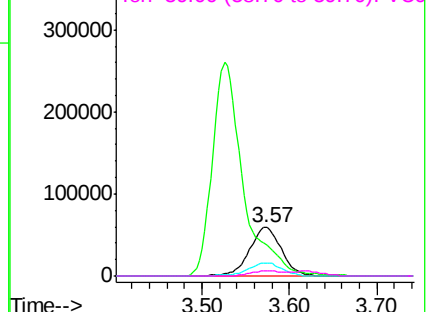
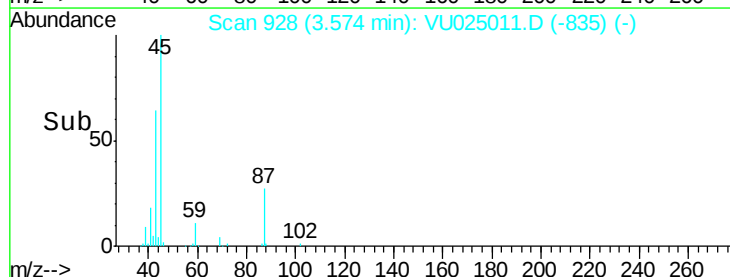
43 62.8 45.8 68.6

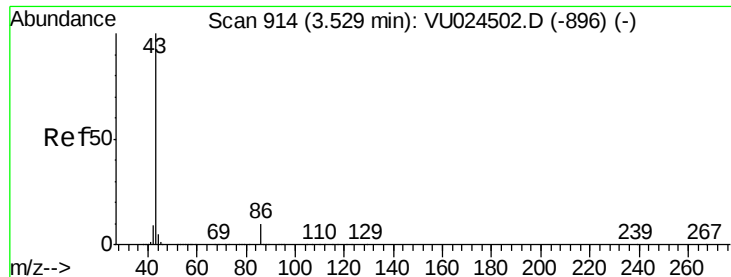
87 27.3 20.6 31.0

59 11.2 9.4 14.0



Abundance Ion 45.00 (44.70 to 45.70): VU025011.D (-835) (-)





#23

Vinyl Acetate

Concen: 93.880 ug/l

RT: 3.53 min Scan# 913

Delta R.T. -0.00 min

Lab File: VU025011.D

Acq: 28 Jun 2018 11:24

Instrument :

MSVOA_U

ClientSampleId :

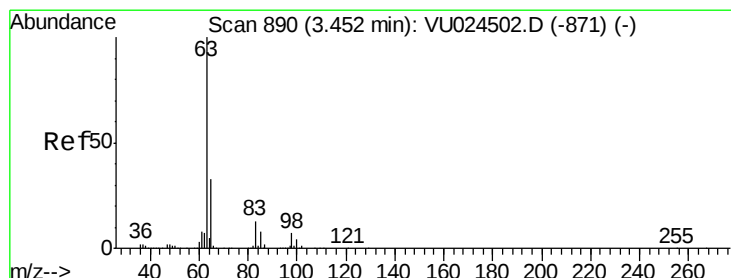
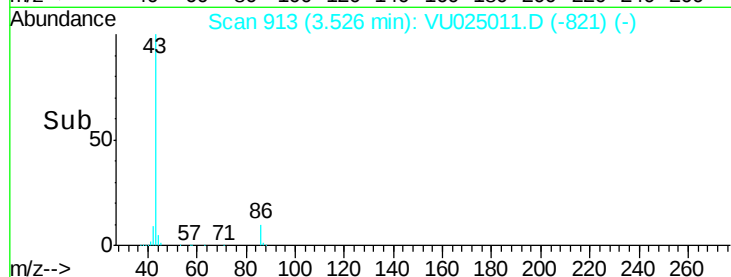
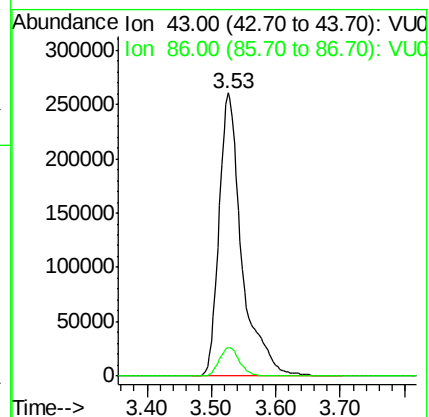
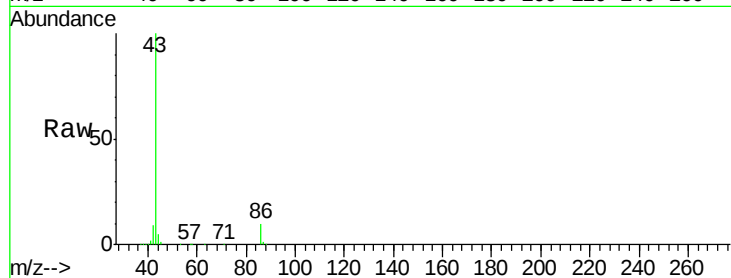
VU0628MBS01

Tgt Ion: 43 Resp: 642536

Ion Ratio Lower Upper

43 100

86 10.2 7.8 11.8



#24

1,1-Dichloroethane

Concen: 20.017 ug/l

RT: 3.45 min Scan# 889

Delta R.T. -0.00 min

Lab File: VU025011.D

Acq: 28 Jun 2018 11:24

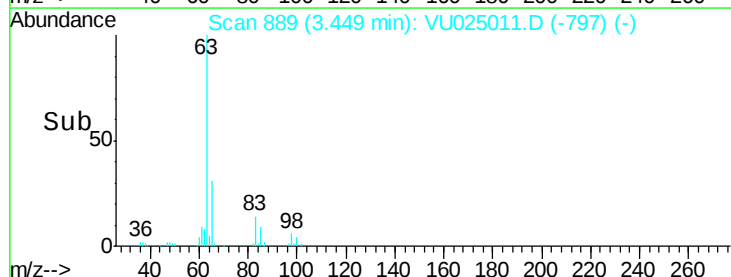
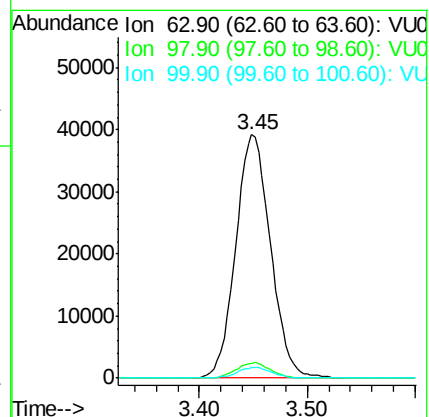
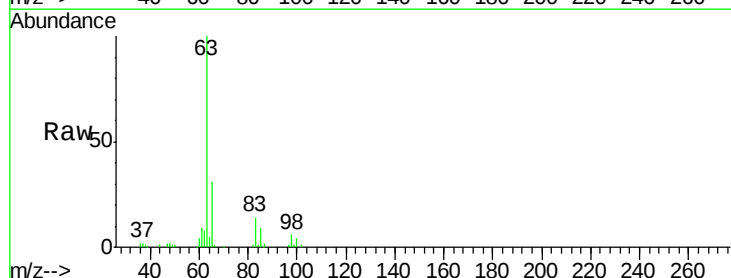
Tgt Ion: 63 Resp: 87979

Ion Ratio Lower Upper

63 100

98 6.1 3.5 10.4

100 4.2 1.8 5.5

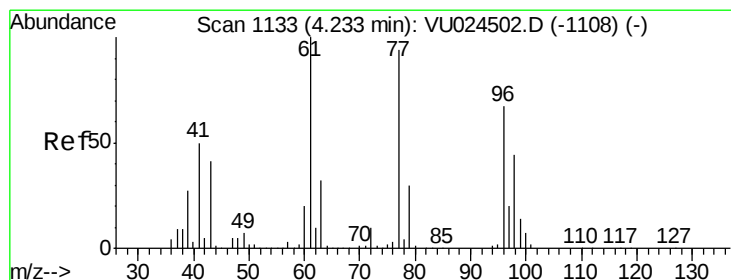
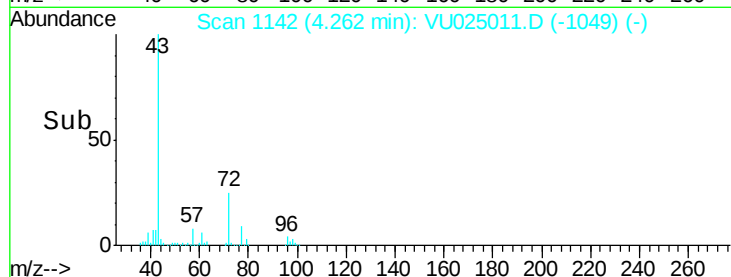
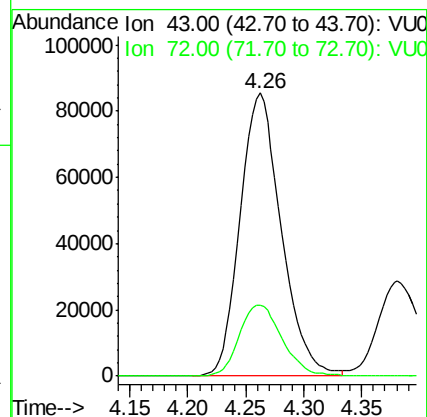
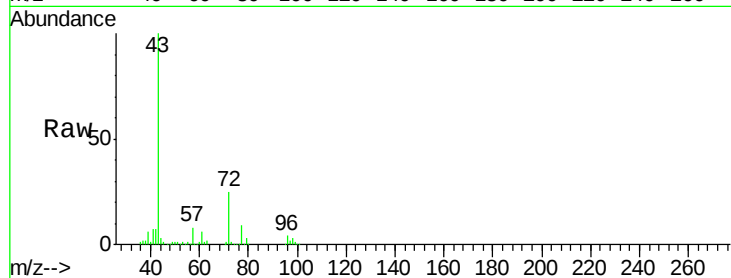




#25
2-Butanone
Concen: 97.492 ug/l
RT: 4.26 min Scan# 1142
Delta R.T. 0.00 min
Lab File: VU025011.D
Acq: 28 Jun 2018 11:24

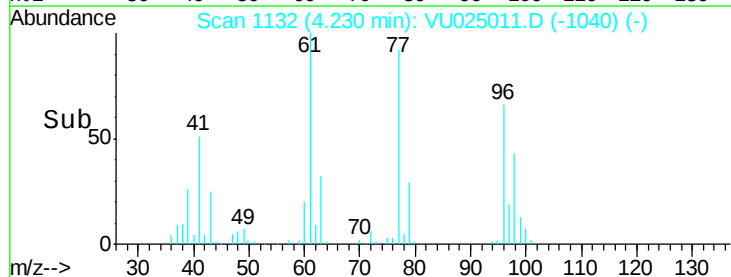
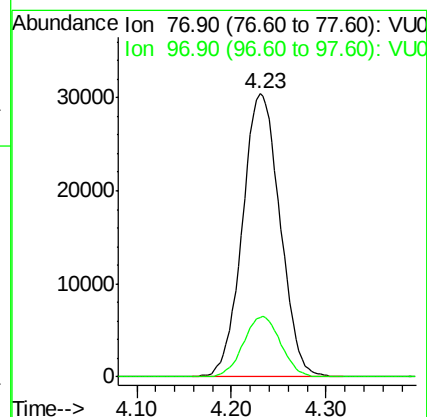
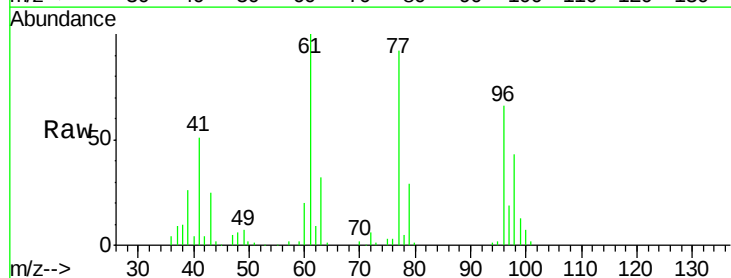
Instrument :
MSVOA_U
ClientSampleId :
VU0628MBS01

Tgt Ion: 43 Resp: 209408
Ion Ratio Lower Upper
43 100
72 25.3 19.6 29.4



#26
2,2-Dichloropropane
Concen: 20.133 ug/l
RT: 4.23 min Scan# 1132
Delta R.T. -0.00 min
Lab File: VU025011.D
Acq: 28 Jun 2018 11:24

Tgt Ion: 77 Resp: 84027
Ion Ratio Lower Upper
77 100
97 21.1 11.3 33.8





#27

cis-1,2-Dichloroethene

Concen: 20.015 ug/l

RT: 4.23 min Scan# 1132

Delta R.T. -0.00 min

Lab File: VU025011.D

Acq: 28 Jun 2018 11:24

Instrument :

MSVOA_U

ClientSampleId :

VU0628MBS01

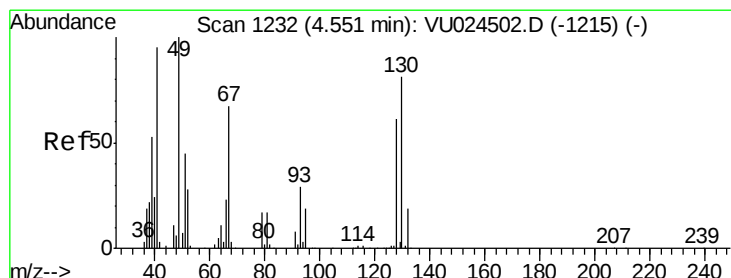
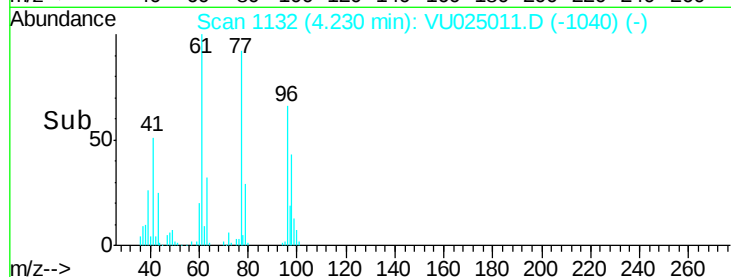
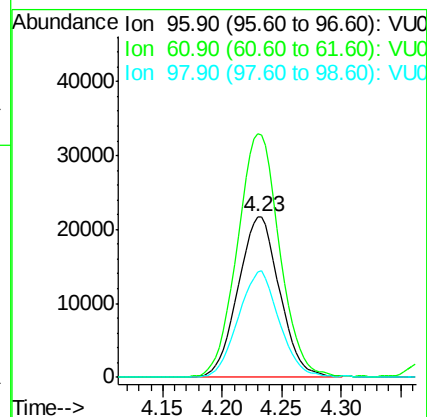
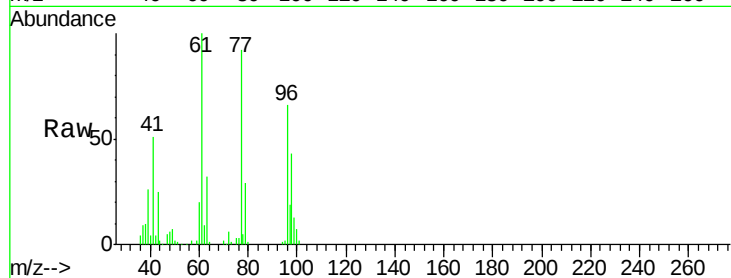
Tgt Ion: 96 Resp: 52609

Ion Ratio Lower Upper

96 100

61 154.2 0.0 306.6

98 65.3 0.0 128.8



#28

Bromochloromethane

Concen: 20.522 ug/l

RT: 4.55 min Scan# 1232

Delta R.T. 0.00 min

Lab File: VU025011.D

Acq: 28 Jun 2018 11:24

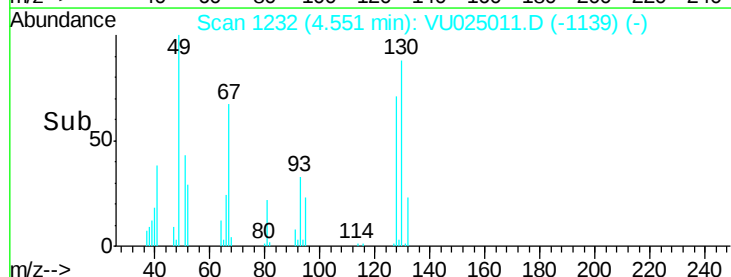
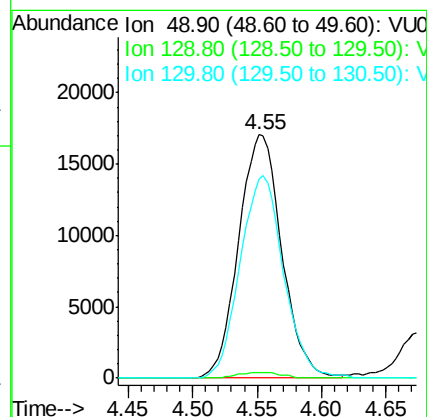
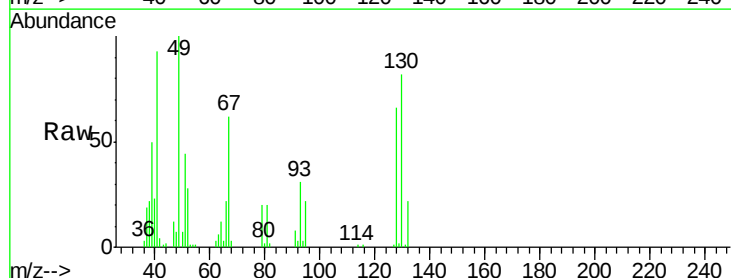
Tgt Ion: 49 Resp: 39730

Ion Ratio Lower Upper

49 100

129 2.3 0.0 3.8

130 83.8 57.8 86.6

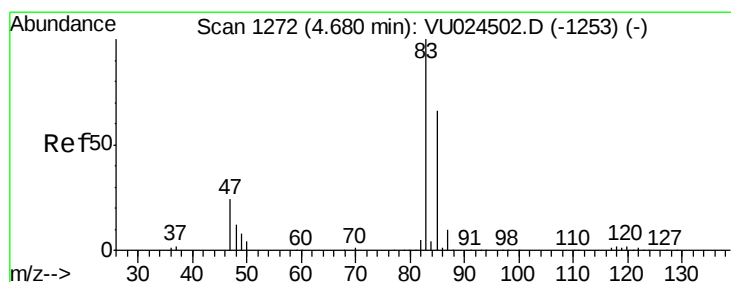
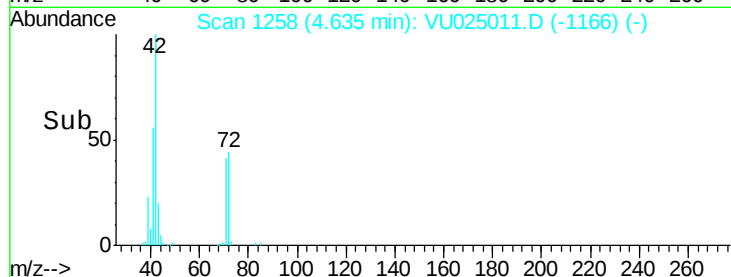
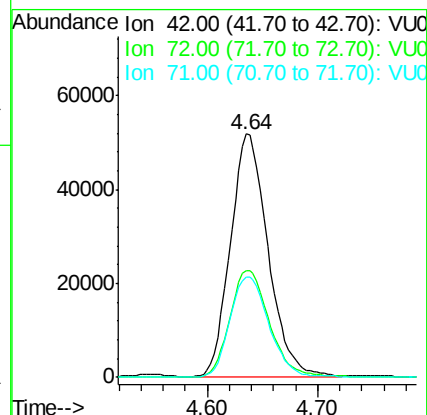
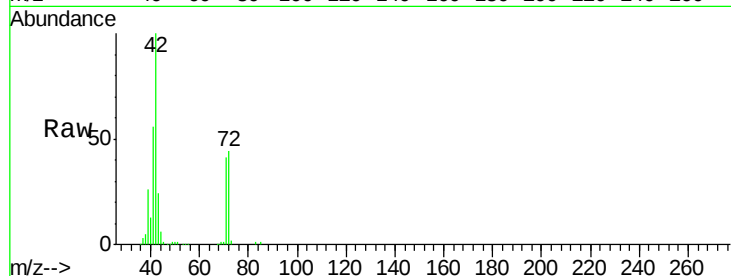




#29
Tetrahydrofuran
Concen: 91.680 ug/l
RT: 4.64 min Scan# 1258
Delta R.T. -0.00 min
Lab File: VU025011.D
Acq: 28 Jun 2018 11:24

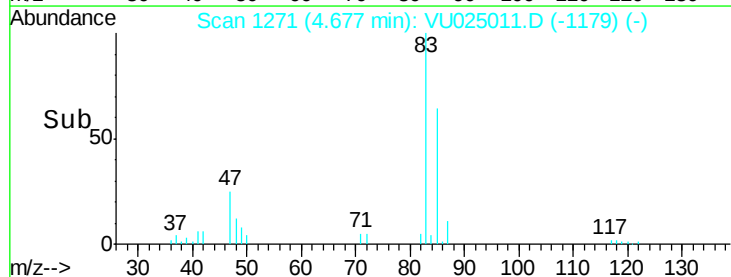
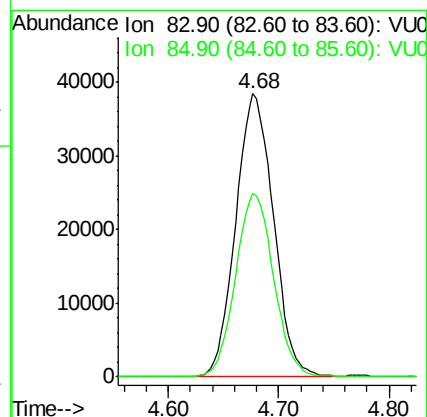
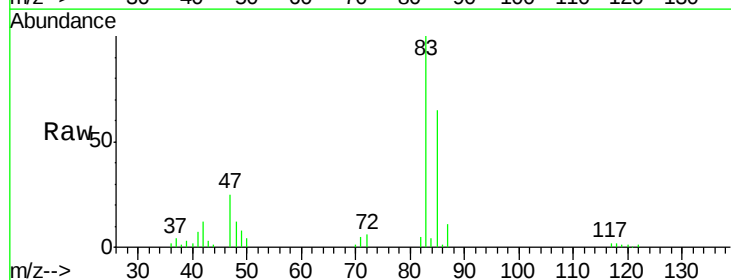
Instrument :
MSVOA_U
ClientSampleId :
VU0628MBS01

Tgt Ion: 42 Resp: 121948
Ion Ratio Lower Upper
42 100
72 46.1 34.5 51.7
71 42.8 32.2 48.4



#30
Chloroform
Concen: 20.489 ug/l
RT: 4.68 min Scan# 1271
Delta R.T. -0.00 min
Lab File: VU025011.D
Acq: 28 Jun 2018 11:24

Tgt Ion: 83 Resp: 91152
Ion Ratio Lower Upper
83 100
85 64.7 52.4 78.6

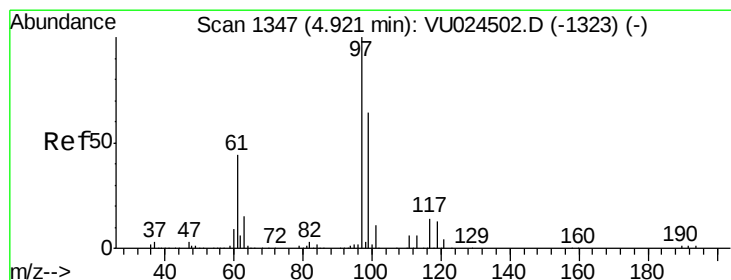
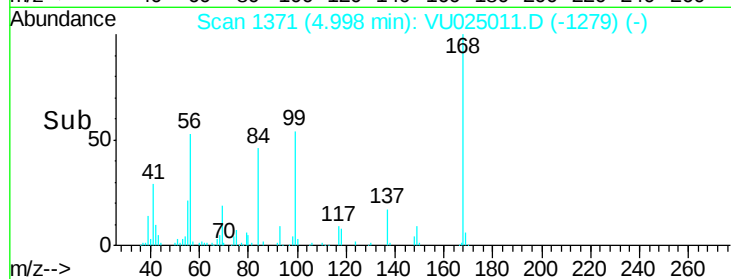
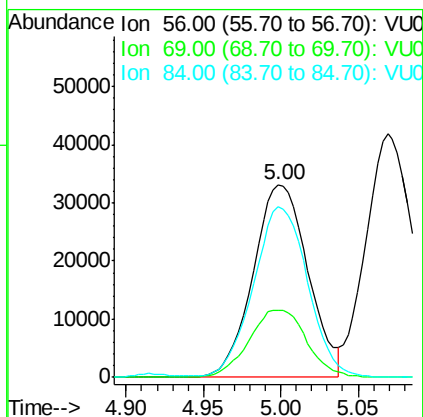
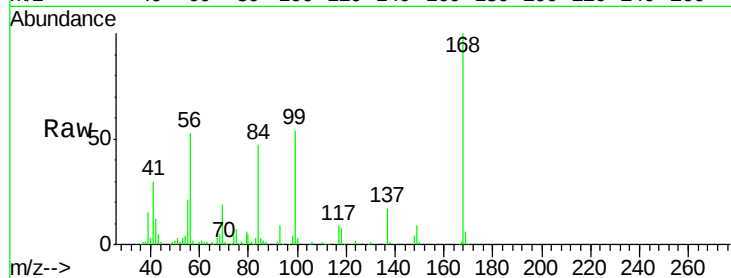




#31
Cyclohexane
Concen: 19.731 ug/l
RT: 5.00 min Scan# 1371
Delta R.T. -0.00 min
Lab File: VU025011.D
Acq: 28 Jun 2018 11:24

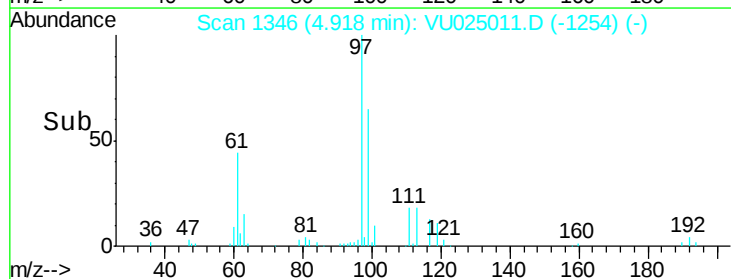
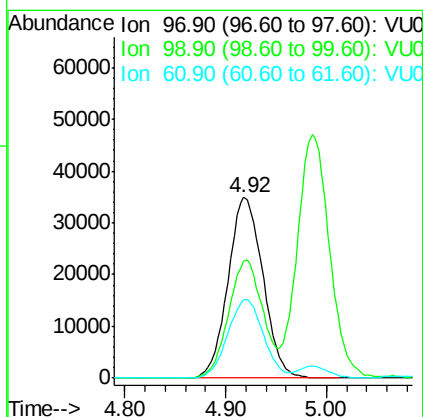
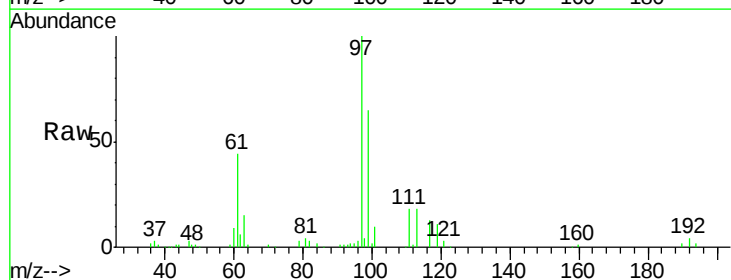
Instrument :
MSVOA_U
ClientSampled :
VU0628MBS01

Tgt Ion: 56 Resp: 81677
Ion Ratio Lower Upper
56 100
69 35.0 24.8 37.2
84 87.7 65.2 97.8



#32
1,1,1-Trichloroethane
Concen: 20.492 ug/l
RT: 4.92 min Scan# 1346
Delta R.T. -0.00 min
Lab File: VU025011.D
Acq: 28 Jun 2018 11:24

Tgt Ion: 97 Resp: 84301
Ion Ratio Lower Upper
97 100
99 64.9 51.0 76.6
61 44.4 39.4 59.0

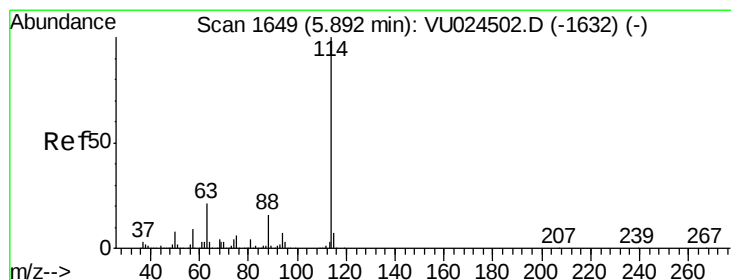
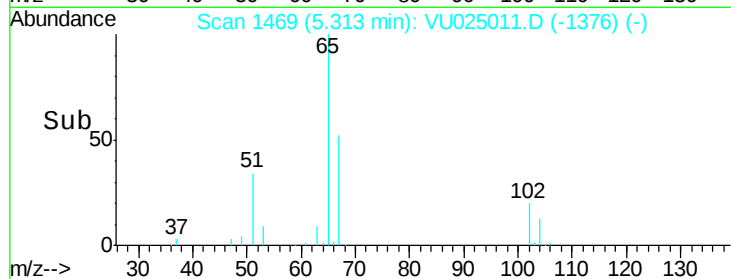
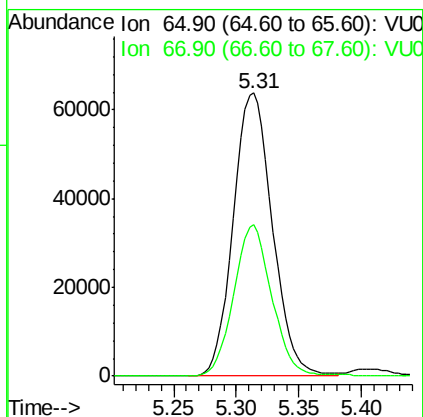
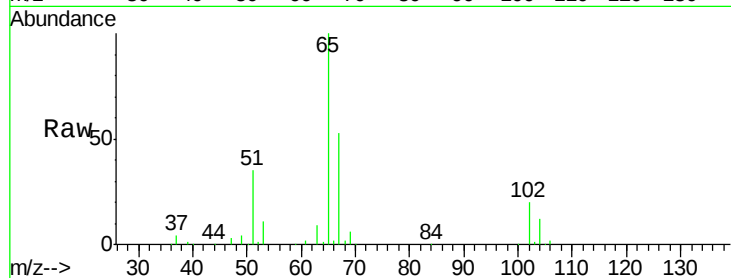




#33
 1,2-Dichloroethane-d4
 Concen: 46.564 ug/l
 RT: 5.31 min Scan# 1469
 Delta R.T. 0.00 min
 Lab File: VU025011.D
 Acq: 28 Jun 2018 11:24

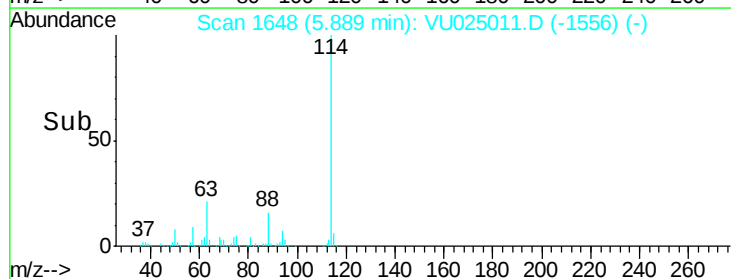
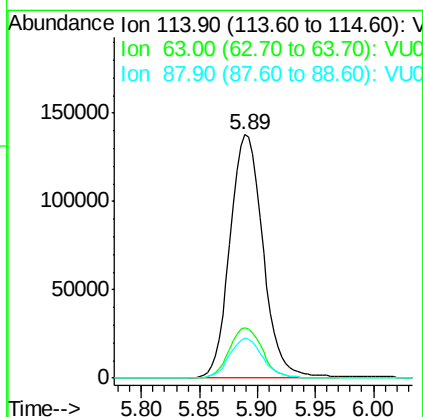
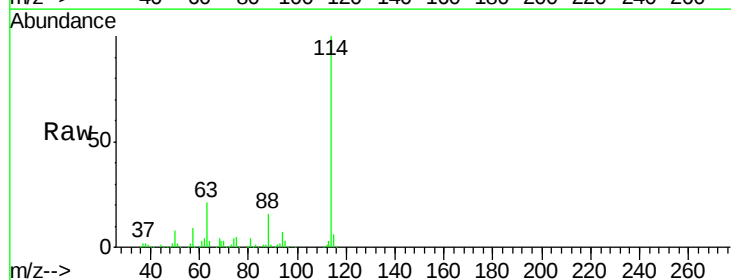
Instrument :
 MSVOA_U
 ClientSampleId :
 VU0628MBS01

Tgt Ion: 65 Resp: 138583
 Ion Ratio Lower Upper
 65 100
 67 51.7 0.0 107.0



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 5.89 min Scan# 1648
 Delta R.T. -0.00 min
 Lab File: VU025011.D
 Acq: 28 Jun 2018 11:24

Tgt Ion: 114 Resp: 273735
 Ion Ratio Lower Upper
 114 100
 63 20.6 0.0 45.4
 88 16.2 0.0 31.0

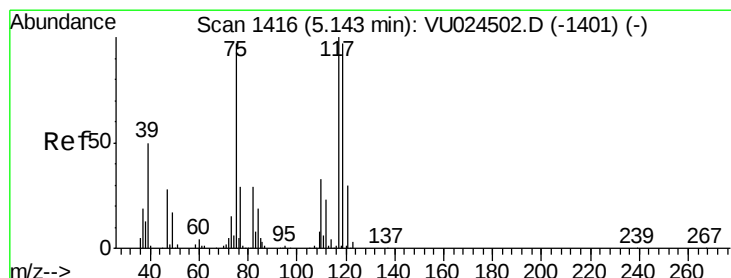
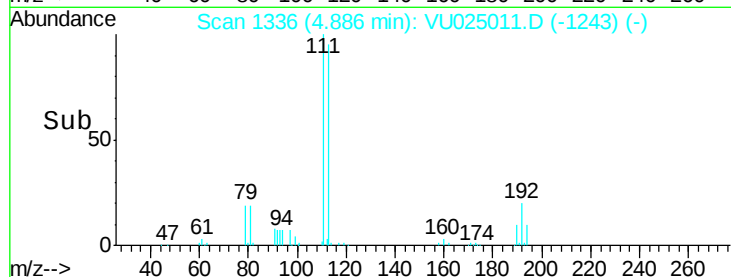
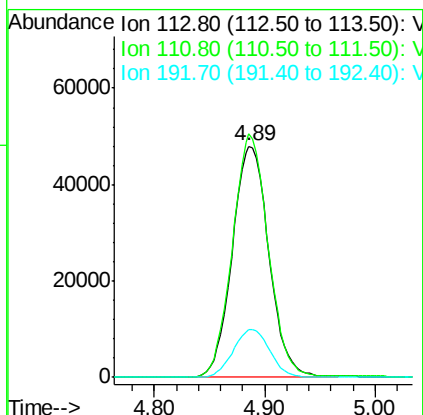
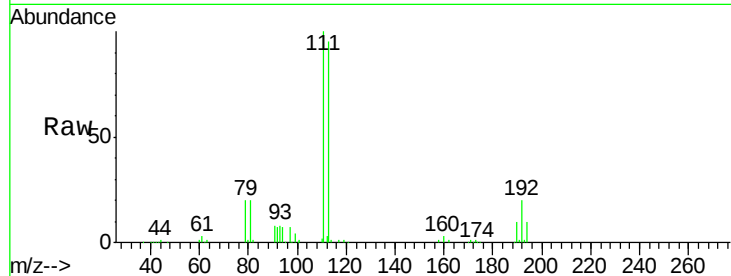




#35
 Dibromofluoromethane
 Concen: 48.658 ug/l
 RT: 4.89 min Scan# 1336
 Delta R.T. 0.00 min
 Lab File: VU025011.D
 Acq: 28 Jun 2018 11:24

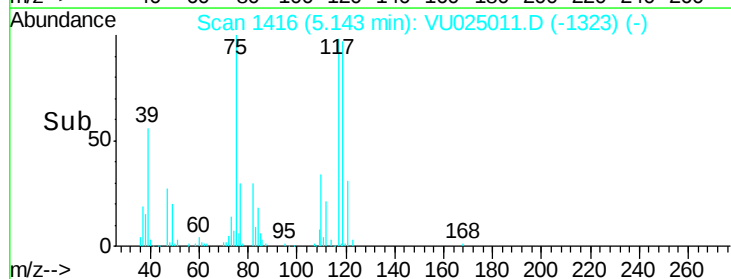
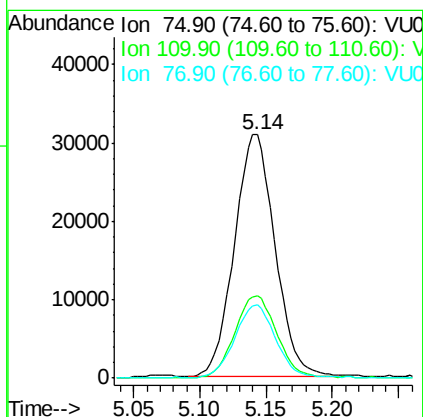
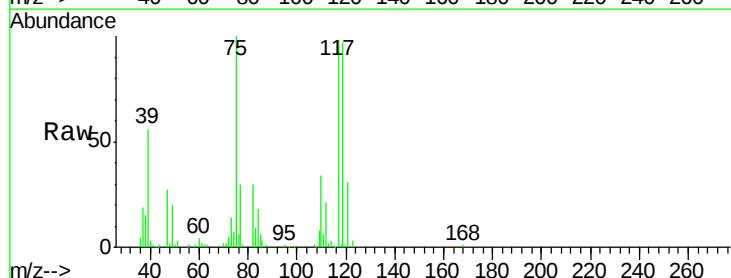
Instrument :
 MSVOA_U
 ClientSampleId :
 VU0628MBS01

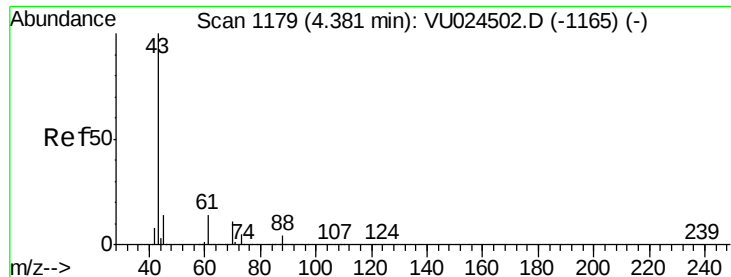
Tgt Ion:113 Resp: 110540
 Ion Ratio Lower Upper
 113 100
 111 102.8 82.2 123.4
 192 20.7 16.2 24.4



#36
 1,1-Dichloropropene
 Concen: 20.534 ug/l
 RT: 5.14 min Scan# 1416
 Delta R.T. 0.00 min
 Lab File: VU025011.D
 Acq: 28 Jun 2018 11:24

Tgt Ion: 75 Resp: 66050
 Ion Ratio Lower Upper
 75 100
 110 35.3 17.0 50.9
 77 30.5 24.2 36.4

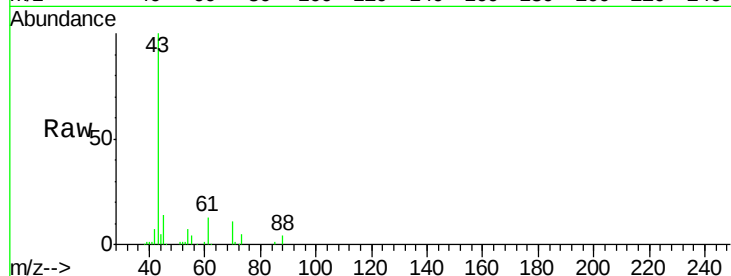




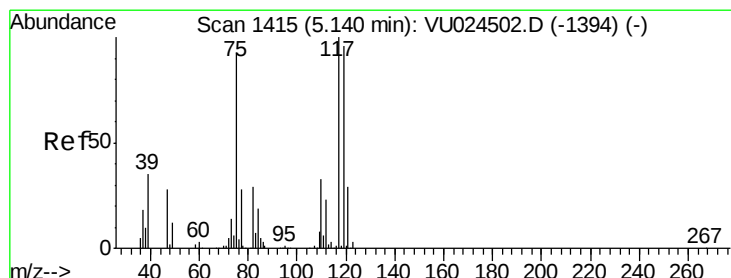
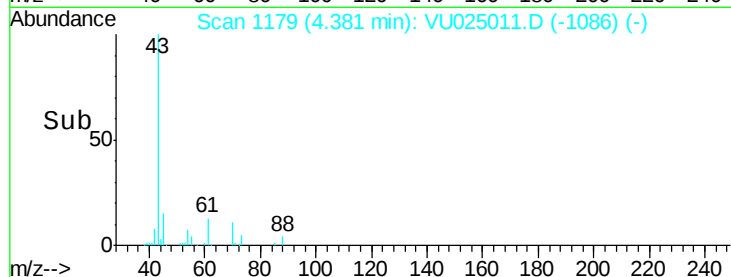
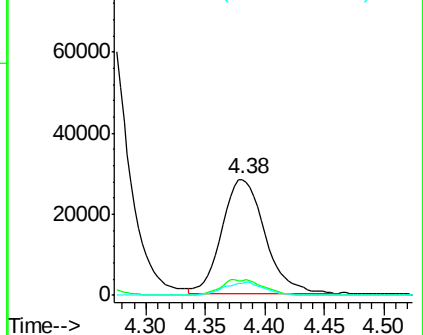
#37
 Ethyl Acetate
 Concen: 20.142 ug/l
 RT: 4.38 min Scan# 1179
 Delta R.T. 0.00 min
 Lab File: VU025011.D
 Acq: 28 Jun 2018 11:24

Instrument :
 MSVOA_U
 ClientSampleId :
 VU0628MBS01

Tgt Ion: 43 Resp: 70614
 Ion Ratio Lower Upper
 43 100
 61 14.0 10.5 15.7
 70 10.8 7.4 11.2

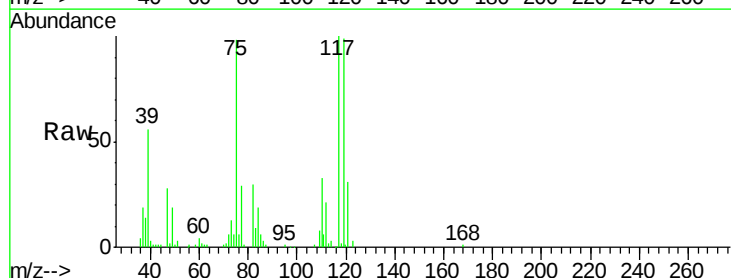


Abundance Ion 43.00 (42.70 to 43.70): VU0
 Ion 60.90 (60.60 to 61.60): VU0
 Ion 70.00 (69.70 to 70.70): VU0

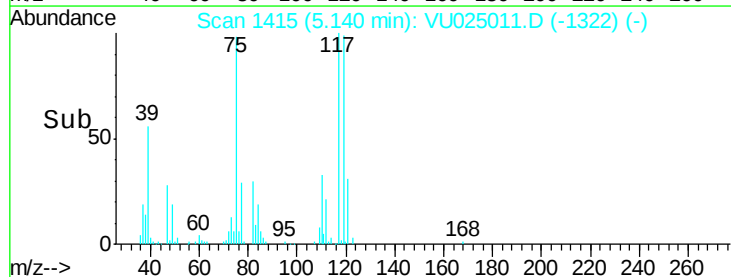
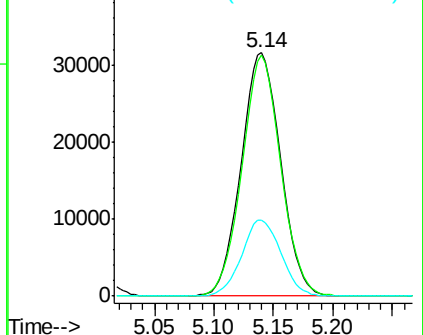


#38
 Carbon Tetrachloride
 Concen: 20.555 ug/l
 RT: 5.14 min Scan# 1415
 Delta R.T. 0.00 min
 Lab File: VU025011.D
 Acq: 28 Jun 2018 11:24

Tgt Ion: 117 Resp: 72706
 Ion Ratio Lower Upper
 117 100
 119 99.1 76.1 114.1
 121 31.3 23.7 35.5



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

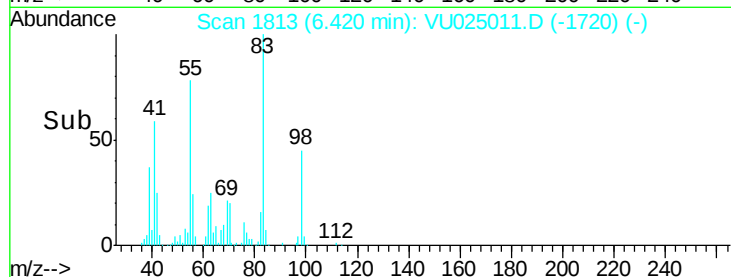
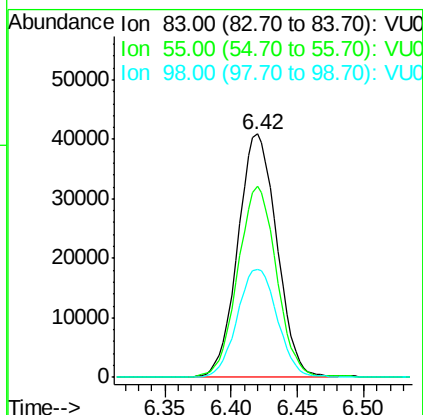
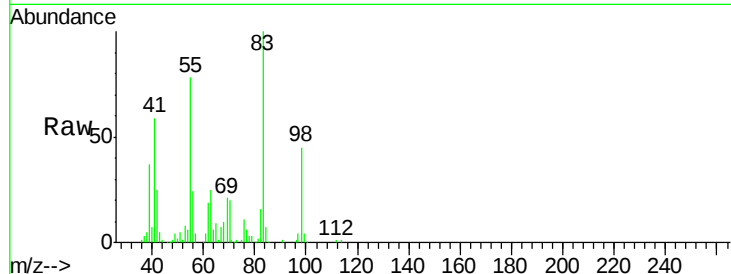




#39
Methylcyclohexane
Concen: 20.850 ug/l
RT: 6.42 min Scan# 1813
Delta R.T. 0.00 min
Lab File: VU025011.D
Acq: 28 Jun 2018 11:24

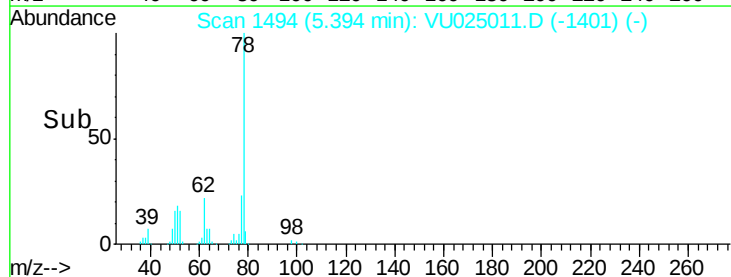
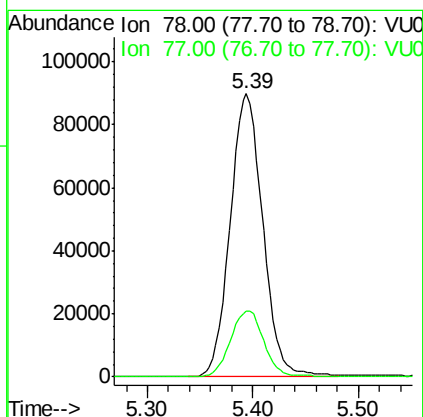
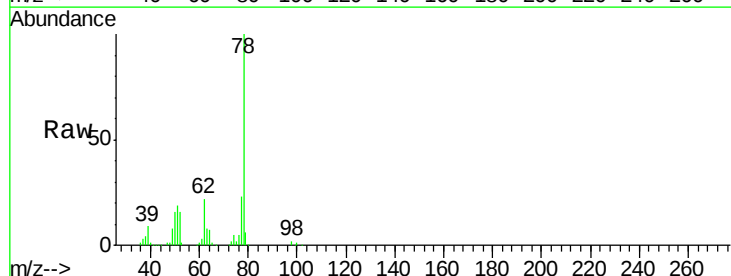
Instrument :
MSVOA_U
ClientSampleId :
VU0628MBS01

Tgt Ion: 83 Resp: 83693
Ion Ratio Lower Upper
83 100
55 78.4 65.8 98.6
98 44.5 36.7 55.1



#40
Benzene
Concen: 21.073 ug/l
RT: 5.39 min Scan# 1494
Delta R.T. 0.00 min
Lab File: VU025011.D
Acq: 28 Jun 2018 11:24

Tgt Ion: 78 Resp: 193143
Ion Ratio Lower Upper
78 100
77 23.3 19.2 28.8





#41

Methacrylonitrile

Concen: 21.560 ug/l

RT: 4.54 min Scan# 1230

Delta R.T. 0.00 min

Lab File: VU025011.D

Acq: 28 Jun 2018 11:24

Instrument :

MSVOA_U

ClientSampleId :

VU0628MBS01

Tgt Ion: 41 Resp: 40754

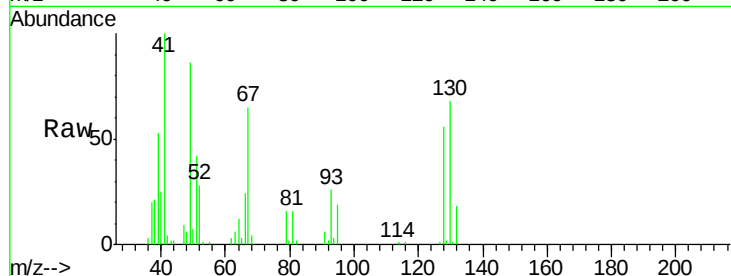
Ion Ratio Lower Upper

41 100

39 56.6 43.8 65.6

67 69.5 56.3 84.5

52 30.4 23.2 34.8

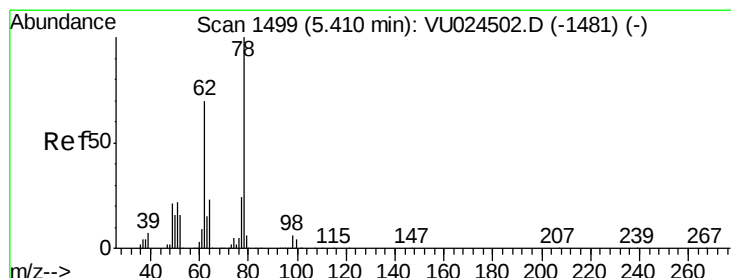
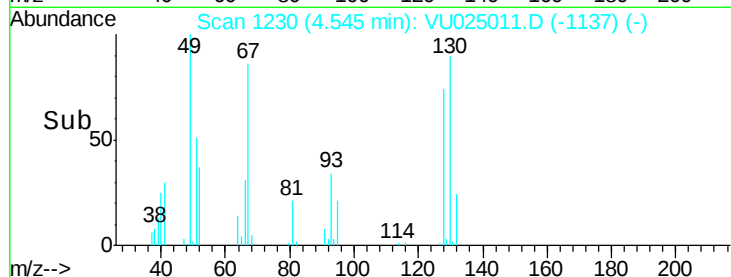
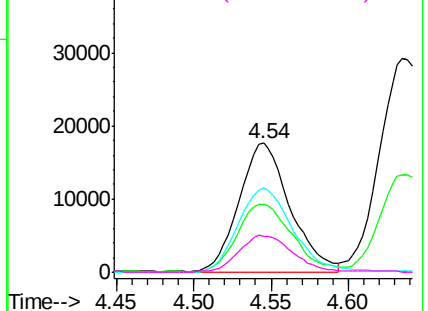


Abundance Ion 41.00 (40.70 to 41.70): VU0

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: 22.326 ug/l

RT: 5.41 min Scan# 1499

Delta R.T. 0.00 min

Lab File: VU025011.D

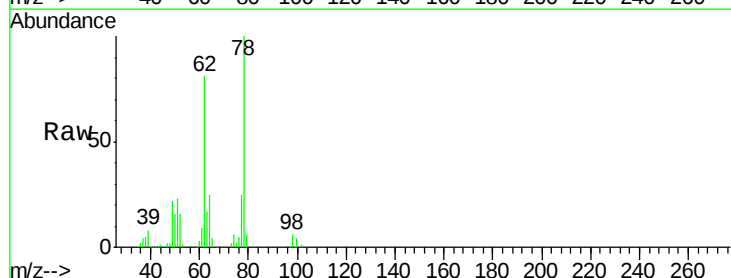
Acq: 28 Jun 2018 11:24

Tgt Ion: 62 Resp: 77937

Ion Ratio Lower Upper

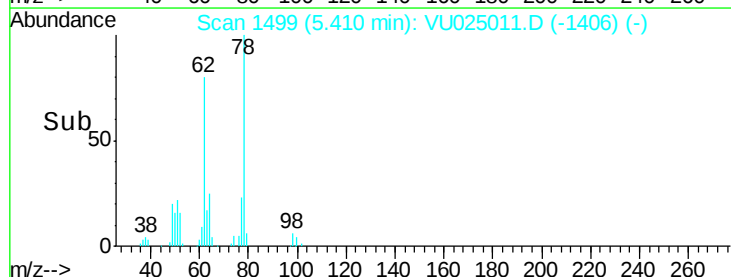
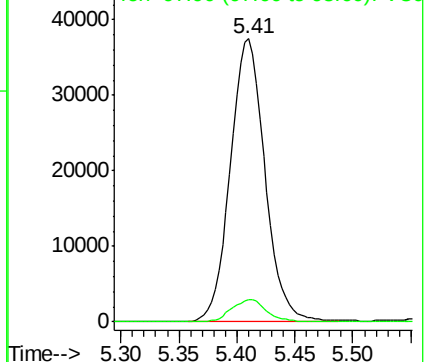
62 100

98 7.9 0.0 16.6



Abundance Ion 61.90 (61.60 to 62.60): VU0

Ion 97.90 (97.60 to 98.60): VU0





#43

Isopropyl Acetate

Concen: 19.298 ug/l

RT: 5.55 min Scan# 1542

Delta R.T. -0.00 min

Lab File: VU025011.D

Acq: 28 Jun 2018 11:24

Instrument :

MSVOA_U

ClientSampleId :

VU0628MBS01

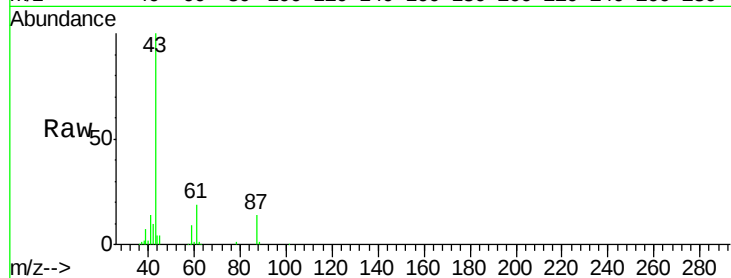
Tgt Ion: 43 Resp: 116945

Ion Ratio Lower Upper

43 100

61 19.2 15.4 23.0

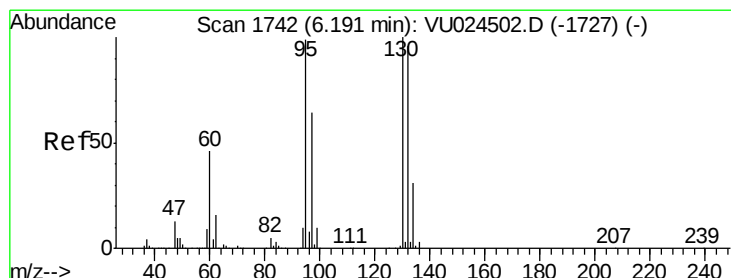
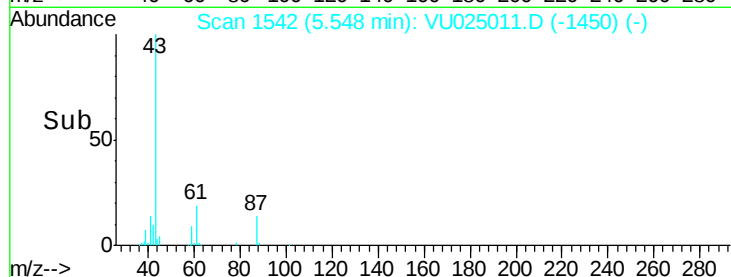
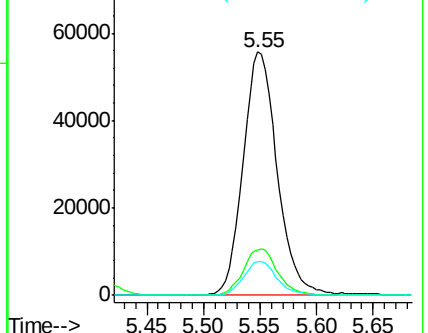
87 13.6 10.0 15.0



Abundance Ion 43.00 (42.70 to 43.70): VU024502.D (-1528) (-)

Ion 61.00 (60.70 to 61.70): VU024502.D (-1528) (-)

Ion 87.00 (86.70 to 87.70): VU024502.D (-1528) (-)



#44

Trichloroethene

Concen: 20.801 ug/l

RT: 6.19 min Scan# 1742

Delta R.T. 0.00 min

Lab File: VU025011.D

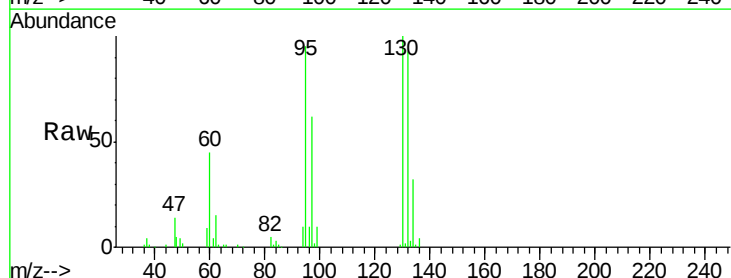
Acq: 28 Jun 2018 11:24

Tgt Ion: 130 Resp: 54260

Ion Ratio Lower Upper

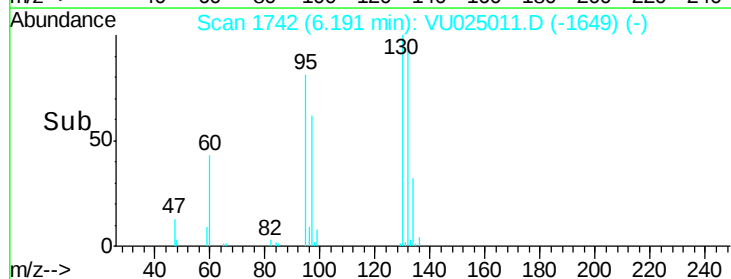
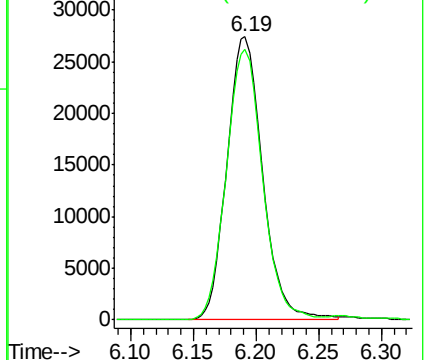
130 100

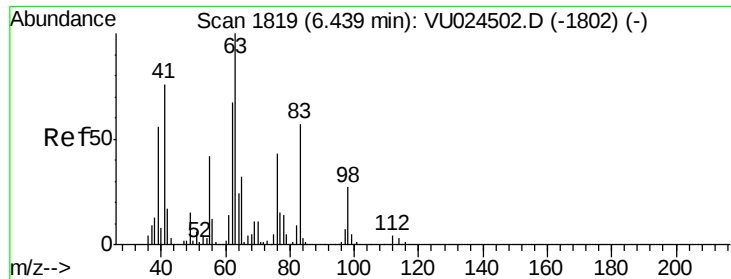
95 95.4 0.0 202.4



Abundance Ion 129.80 (129.50 to 130.50): VU024502.D (-1727) (-)

Ion 94.90 (94.60 to 95.60): VU024502.D (-1727) (-)

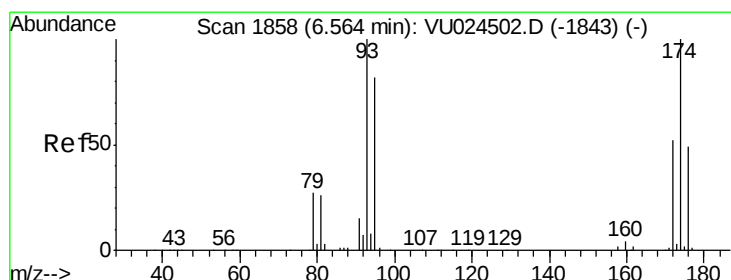
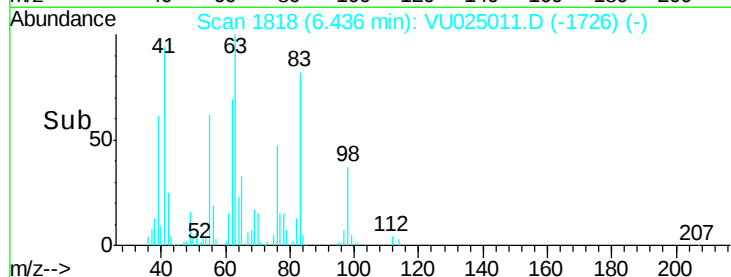
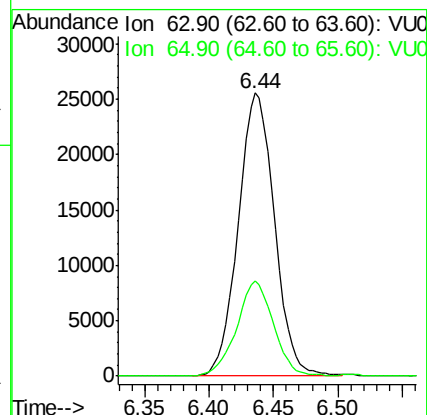
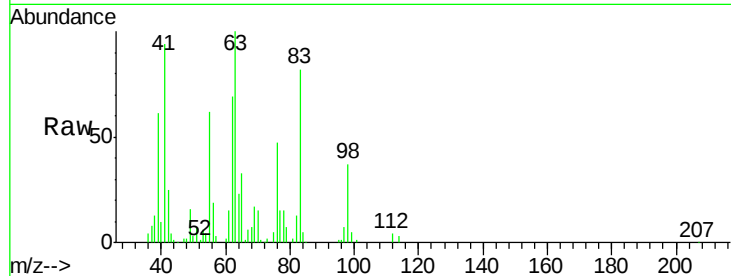




#45
 1,2-Dichloropropane
 Concen: 20.462 ug/l
 RT: 6.44 min Scan# 1818
 Delta R.T. -0.00 min
 Lab File: VU025011.D
 Acq: 28 Jun 2018 11:24

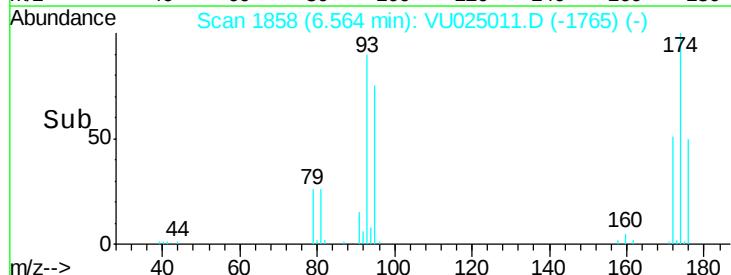
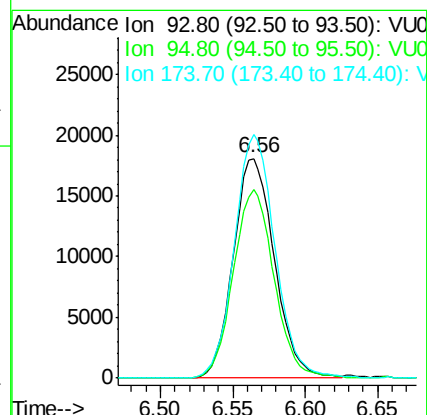
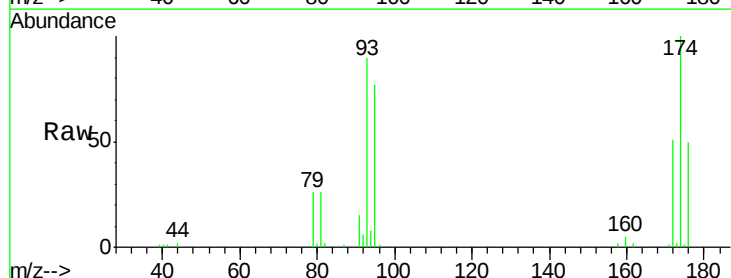
Instrument :
 MSVOA_U
 ClientSampleId :
 VU0628MBS01

Tgt Ion: 63 Resp: 50041
 Ion Ratio Lower Upper
 63 100
 65 33.4 24.8 37.2



#46
 Dibromomethane
 Concen: 20.785 ug/l
 RT: 6.56 min Scan# 1858
 Delta R.T. 0.00 min
 Lab File: VU025011.D
 Acq: 28 Jun 2018 11:24

Tgt Ion: 93 Resp: 35704
 Ion Ratio Lower Upper
 93 100
 95 84.8 65.5 98.3
 174 109.4 78.7 118.1





#47

Bromodichloromethane

Concen: 20.015 ug/l

RT: 6.76 min Scan# 1919

Delta R.T. 0.00 min

Lab File: VU025011.D

Acq: 28 Jun 2018 11:24

Instrument :

MSVOA_U

ClientSampleId :

VU0628MBS01

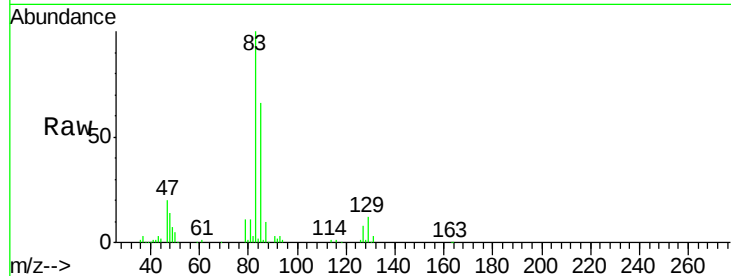
Tgt Ion: 83 Resp: 68465

Ion Ratio Lower Upper

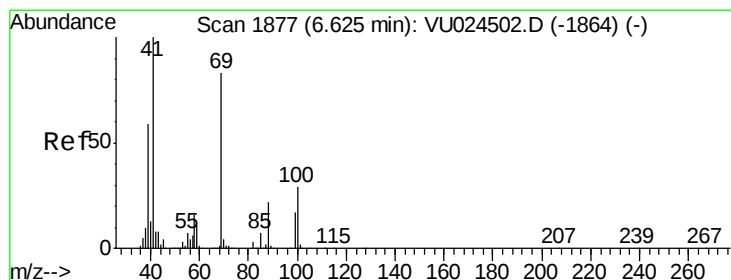
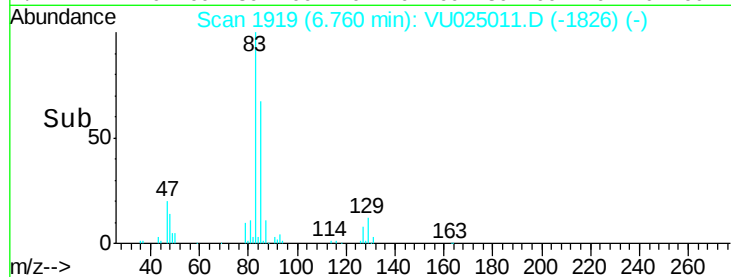
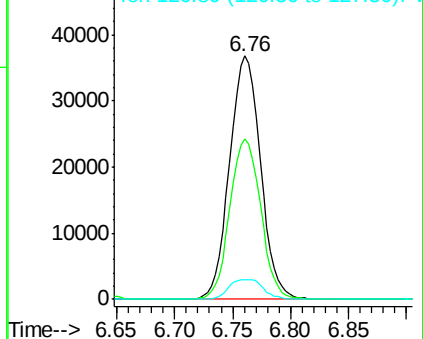
83 100

85 65.8 51.9 77.9

127 8.2 6.6 9.8



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: 20.328 ug/l

RT: 6.63 min Scan# 1877

Delta R.T. 0.00 min

Lab File: VU025011.D

Acq: 28 Jun 2018 11:24

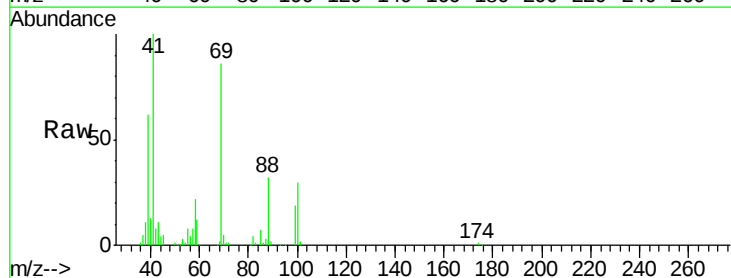
Tgt Ion: 41 Resp: 59984

Ion Ratio Lower Upper

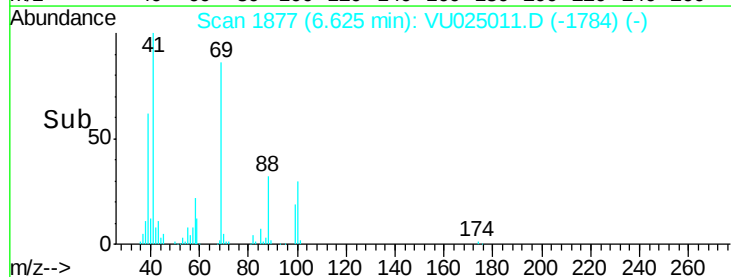
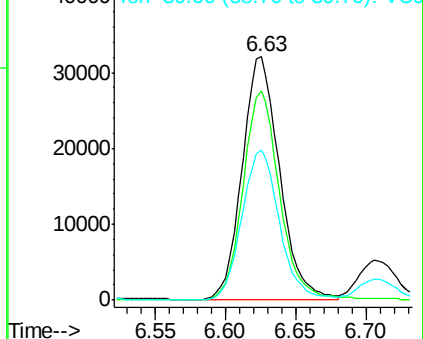
41 100

69 83.7 67.3 100.9

39 61.6 46.5 69.7



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

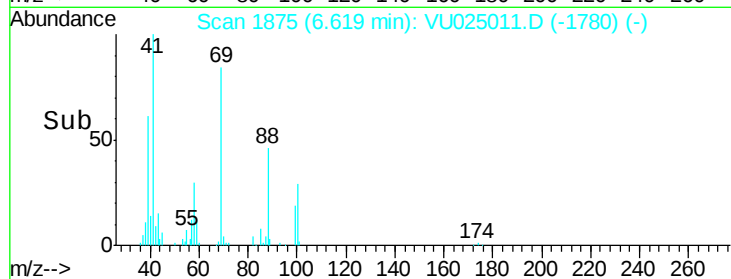
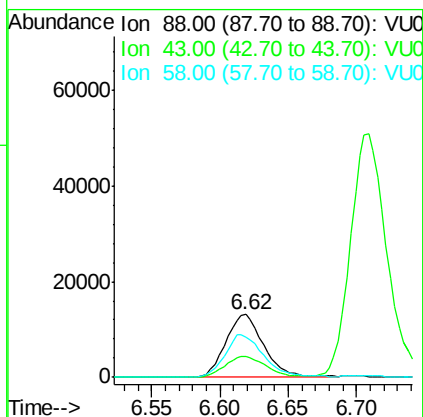
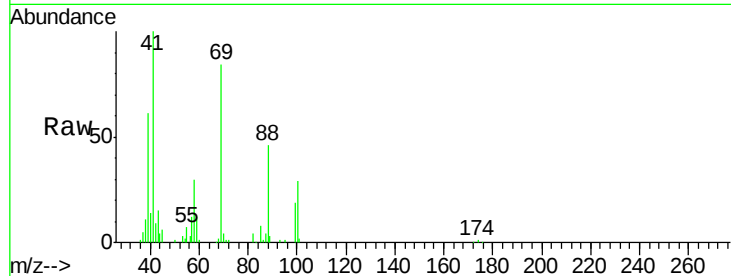




#49
 1,4-Dioxane
 Concen: 441.654 ug/l
 RT: 6.62 min Scan# 1875
 Delta R.T. 0.01 min
 Lab File: VU025011.D
 Acq: 28 Jun 2018 11:24

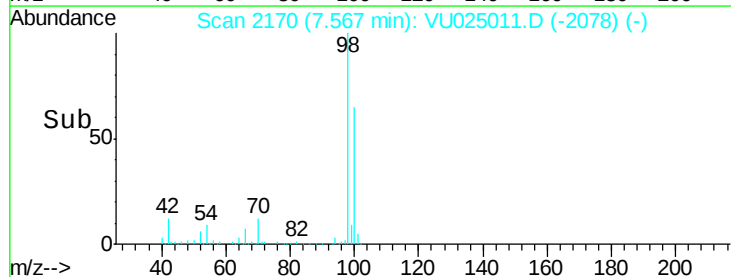
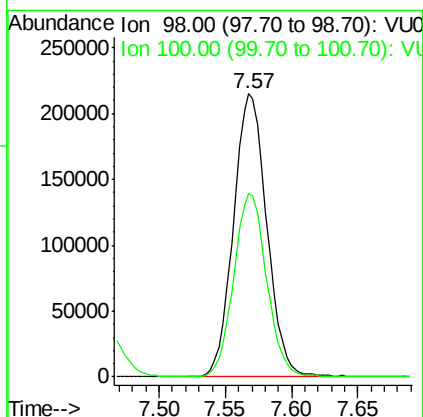
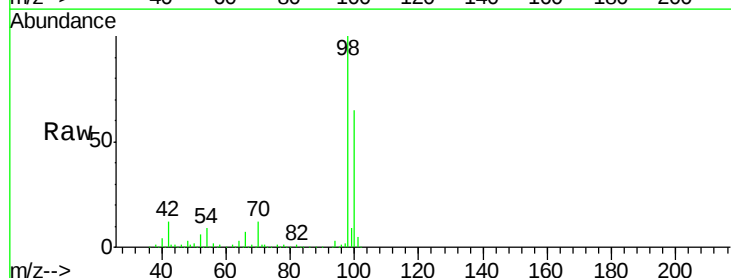
Instrument :
 MSVOA_U
 ClientSampleId :
 VU0628MBS01

Tgt Ion: 88 Resp: 25487
 Ion Ratio Lower Upper
 88 100
 43 36.0 28.6 42.8
 58 69.6 58.2 87.4



#50
 Toluene-d8
 Concen: 45.240 ug/l
 RT: 7.57 min Scan# 2170
 Delta R.T. -0.00 min
 Lab File: VU025011.D
 Acq: 28 Jun 2018 11:24

Tgt Ion: 98 Resp: 374881
 Ion Ratio Lower Upper
 98 100
 100 63.6 51.1 76.7

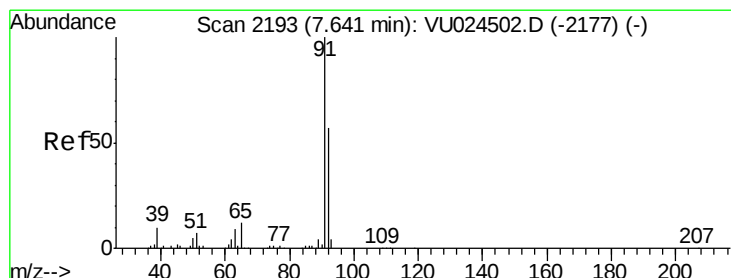
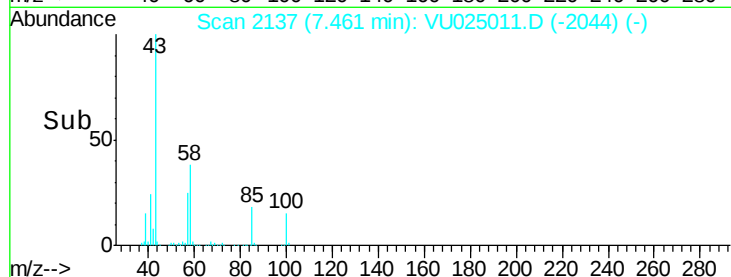
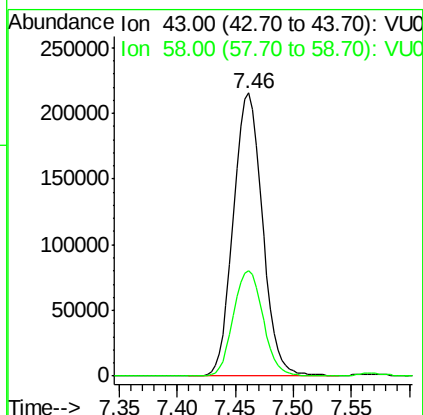
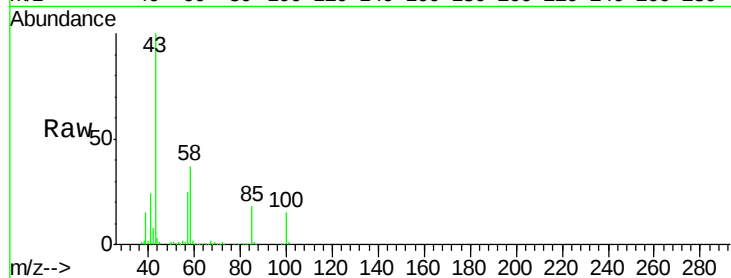




#51
 4-Methyl-2-Pentanone
 Concen: 98.815 ug/l
 RT: 7.46 min Scan# 2137
 Delta R.T. 0.00 min
 Lab File: VU025011.D
 Acq: 28 Jun 2018 11:24

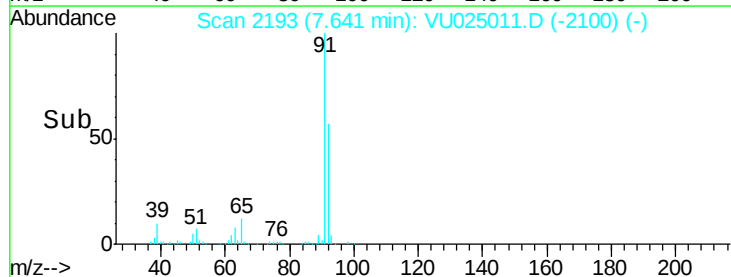
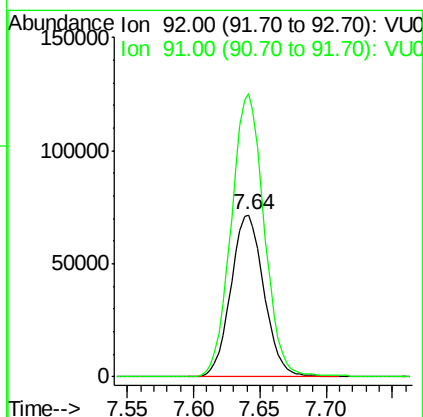
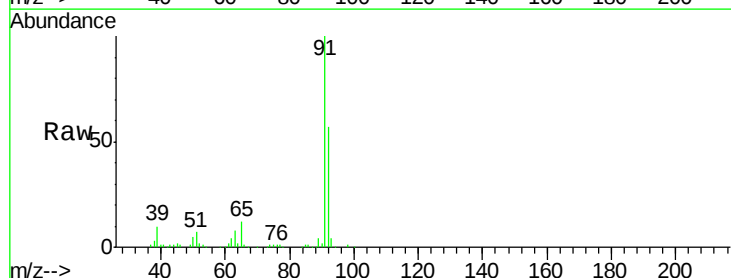
Instrument :
 MSVOA_U
 ClientSampleId :
 VU0628MBS01

Tgt Ion: 43 Resp: 376212
 Ion Ratio Lower Upper
 43 100
 58 38.1 30.0 45.0



#52
 Toluene
 Concen: 21.064 ug/l
 RT: 7.64 min Scan# 2193
 Delta R.T. 0.00 min
 Lab File: VU025011.D
 Acq: 28 Jun 2018 11:24

Tgt Ion: 92 Resp: 124211
 Ion Ratio Lower Upper
 92 100
 91 174.8 140.5 210.7

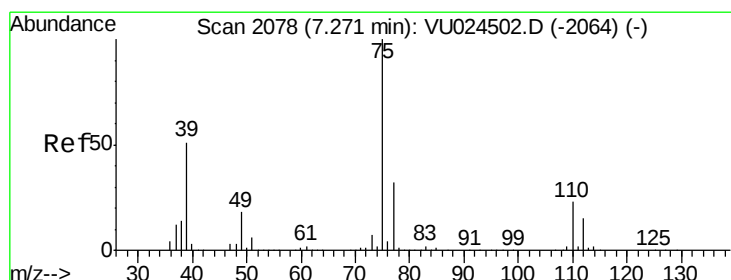
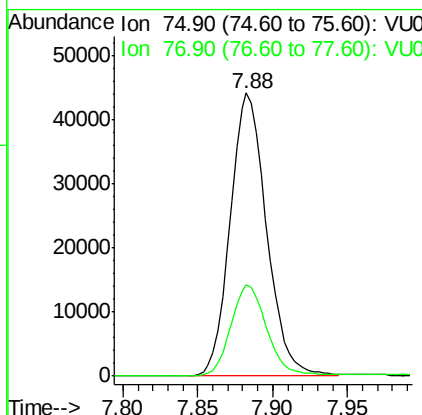
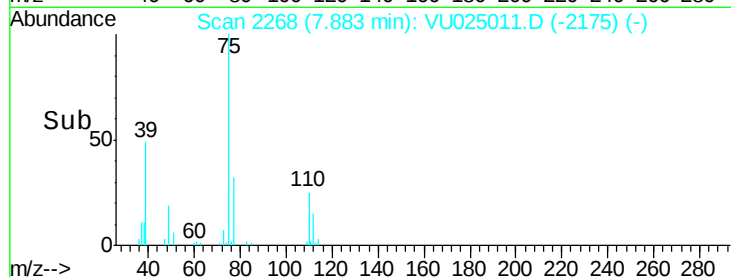
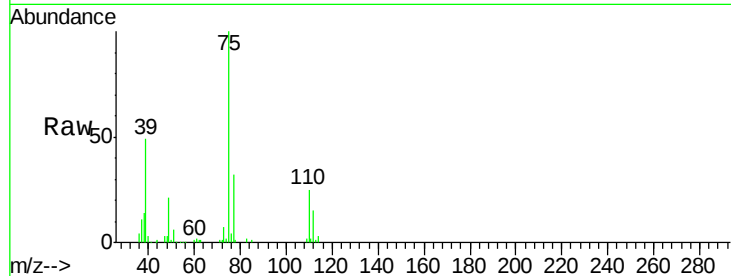




#53
t-1,3-Dichloropropene
Concen: 19.482 ug/l
RT: 7.88 min Scan# 2268
Delta R.T. 0.00 min
Lab File: VU025011.D
Acq: 28 Jun 2018 11:24

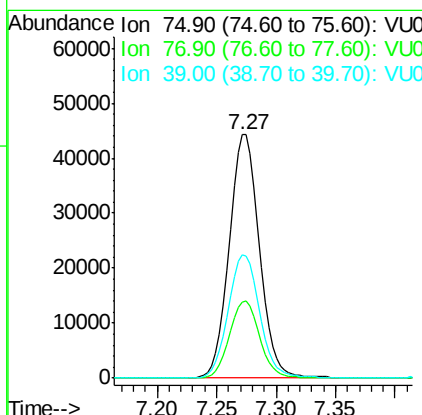
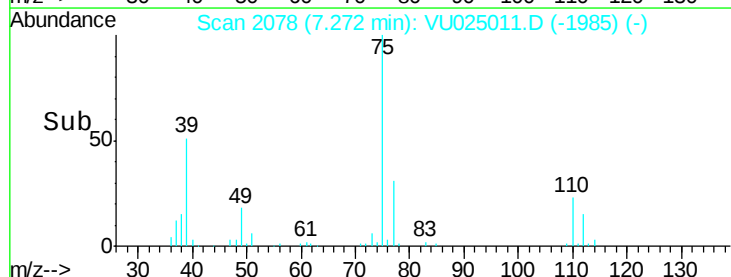
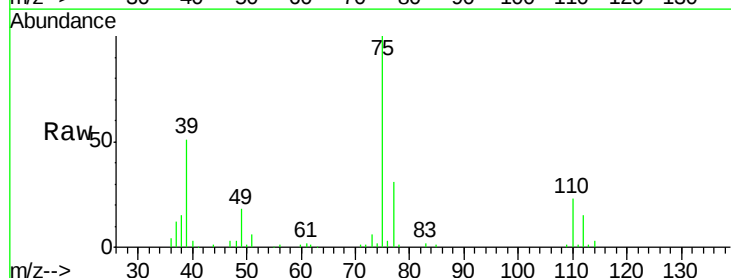
Instrument :
MSVOA_U
ClientSampleId :
VU0628MBS01

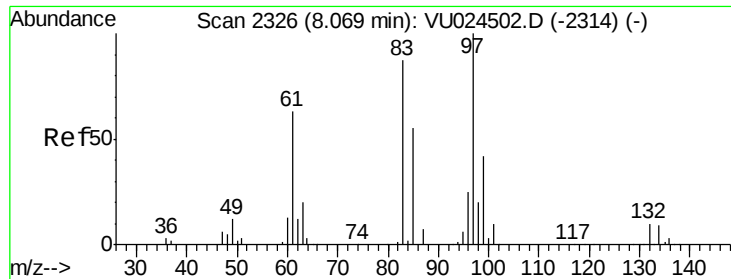
Tgt Ion: 75 Resp: 74840
Ion Ratio Lower Upper
75 100
77 32.1 24.8 37.2



#54
cis-1,3-Dichloropropene
Concen: 19.123 ug/l
RT: 7.27 min Scan# 2078
Delta R.T. 0.00 min
Lab File: VU025011.D
Acq: 28 Jun 2018 11:24

Tgt Ion: 75 Resp: 78275
Ion Ratio Lower Upper
75 100
77 31.2 24.6 36.8
39 50.6 39.8 59.6

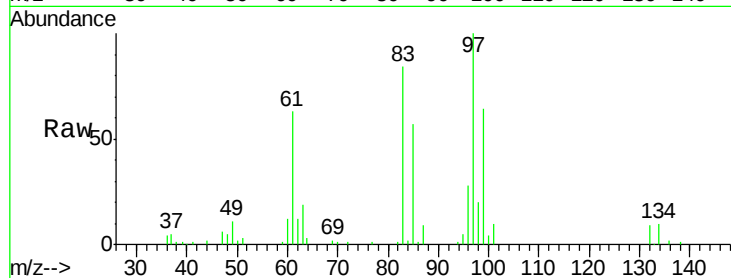




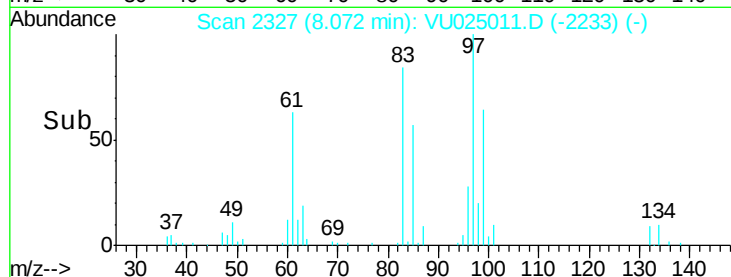
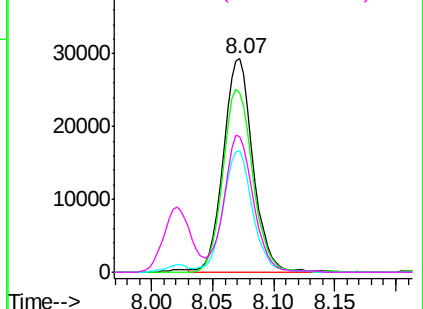
#55
 1,1,2-Trichloroethane
 Concen: 20.867 ug/l
 RT: 8.07 min Scan# 2327
 Delta R.T. 0.00 min
 Lab File: VU025011.D
 Acq: 28 Jun 2018 11:24

Instrument :
 MSVOA_U
 ClientSampleId :
 VU0628MBS01

Tgt Ion:	97	Resp:	50017
Ion	Ratio	Lower	Upper
97	100		
83	84.1	70.5	105.7
85	57.1	46.4	69.6
99	63.8	50.2	75.2

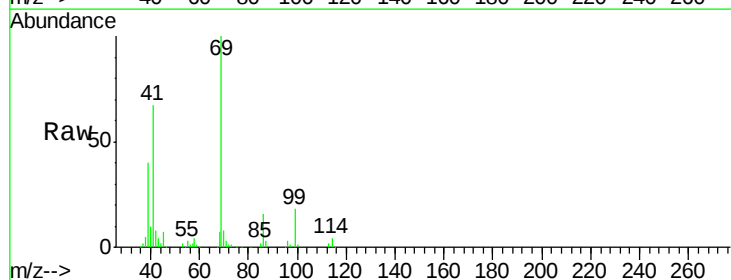


Abundance Ion 96.90 (96.60 to 97.60): VU0
 Ion 82.90 (82.60 to 83.60): VU0
 Ion 84.90 (84.60 to 85.60): VU0
 Ion 98.90 (98.60 to 99.60): VU0

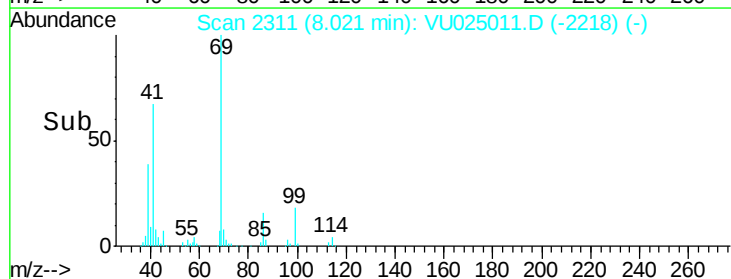
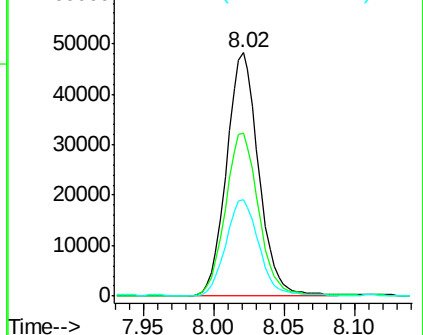


#56
 Ethyl methacrylate
 Concen: 19.172 ug/l
 RT: 8.02 min Scan# 2311
 Delta R.T. 0.00 min
 Lab File: VU025011.D
 Acq: 28 Jun 2018 11:24

Tgt Ion:	69	Resp:	76915
Ion	Ratio	Lower	Upper
69	100		
41	69.4	54.1	81.1
39	41.0	30.3	45.5



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

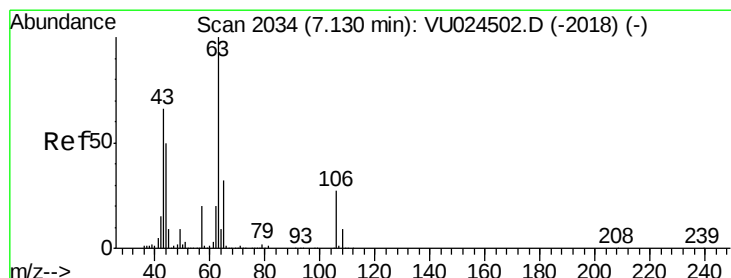
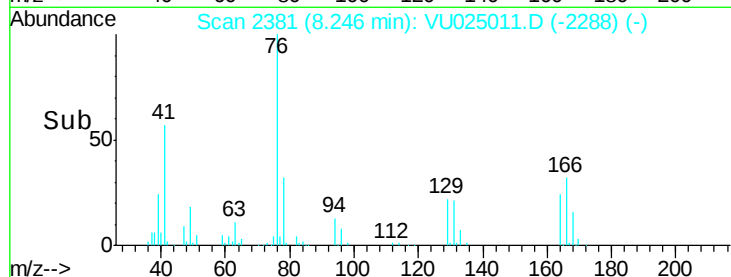
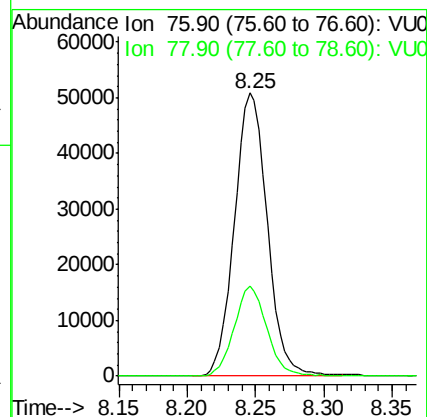
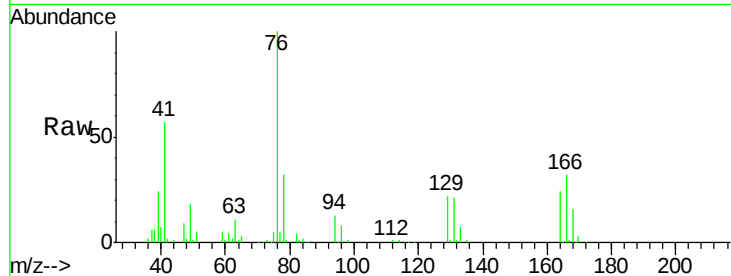




#57
 1,3-Dichloropropane
 Concen: 21.067 ug/l
 RT: 8.25 min Scan# 2381
 Delta R.T. 0.00 min
 Lab File: VU025011.D
 Acq: 28 Jun 2018 11:24

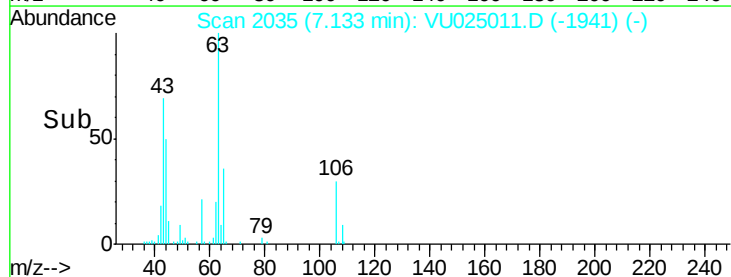
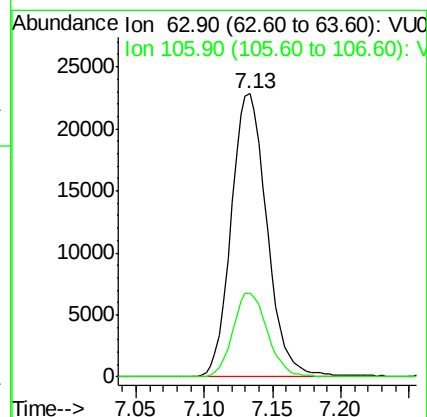
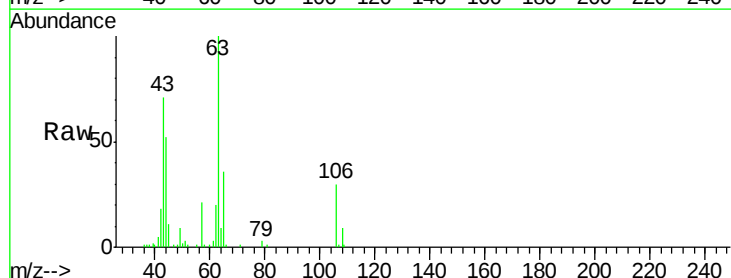
Instrument :
 MSVOA_U
 ClientSampleId :
 VU0628MBS01

Tgt Ion: 76 Resp: 85185
 Ion Ratio Lower Upper
 76 100
 78 31.6 25.2 37.8



#58
 2-Chloroethyl Vinyl ether
 Concen: 27.003 ug/l
 RT: 7.13 min Scan# 2035
 Delta R.T. 0.00 min
 Lab File: VU025011.D
 Acq: 28 Jun 2018 11:24

Tgt Ion: 63 Resp: 41504
 Ion Ratio Lower Upper
 63 100
 106 28.7 20.2 30.2

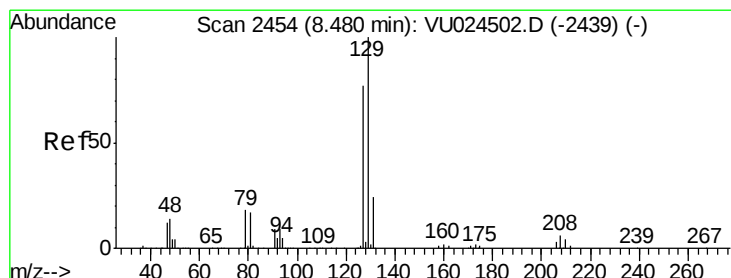
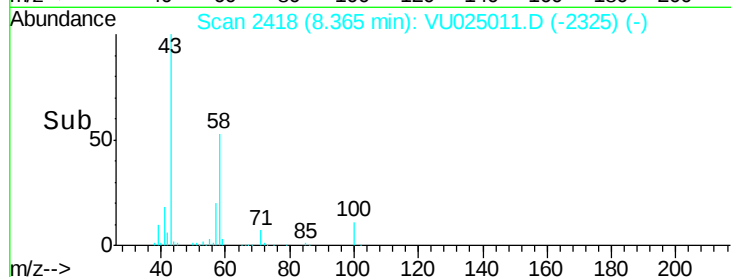
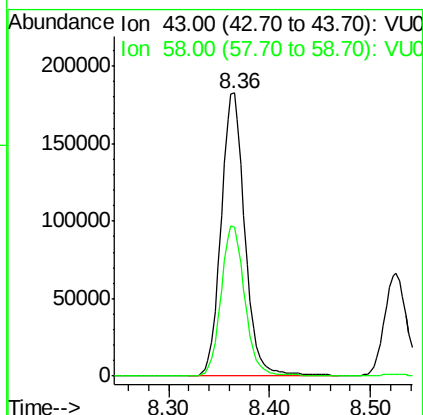
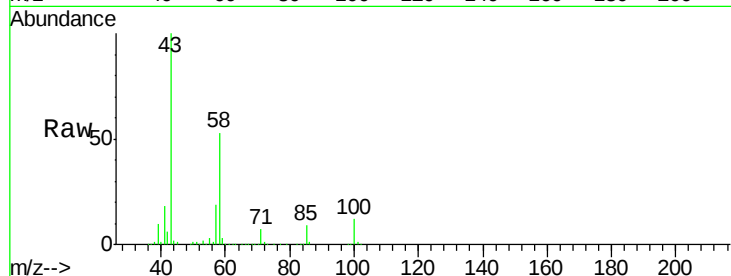




#59
2-Hexanone
Concen: 97.145 ug/l
RT: 8.36 min Scan# 2418
Delta R.T. 0.00 min
Lab File: VU025011.D
Acq: 28 Jun 2018 11:24

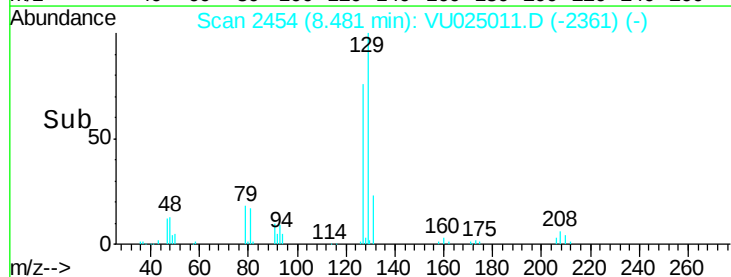
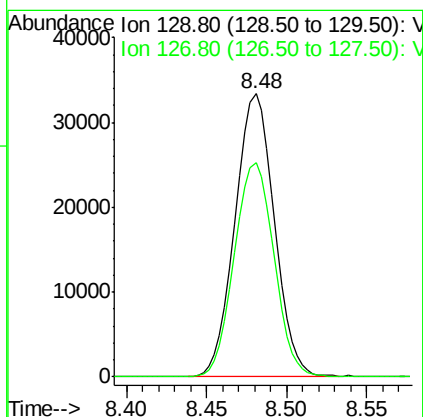
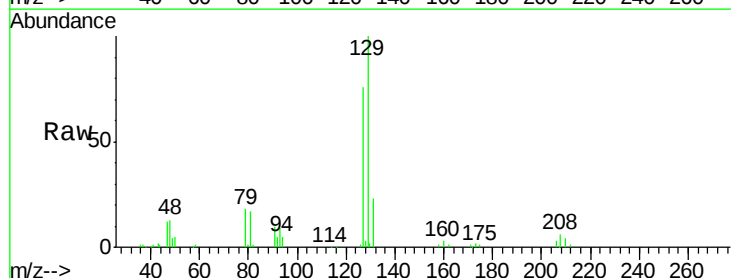
Instrument :
MSVOA_U
ClientSampleId :
VU0628MBS01

Tgt Ion: 43 Resp: 301949
Ion Ratio Lower Upper
43 100
58 53.2 26.4 79.0



#60
Dibromochloromethane
Concen: 18.752 ug/l
RT: 8.48 min Scan# 2454
Delta R.T. 0.00 min
Lab File: VU025011.D
Acq: 28 Jun 2018 11:24

Tgt Ion: 129 Resp: 56049
Ion Ratio Lower Upper
129 100
127 76.3 38.6 116.0

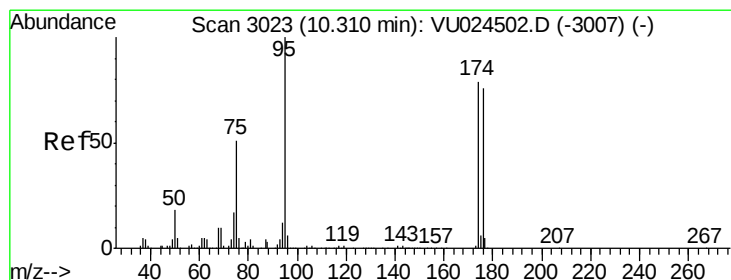
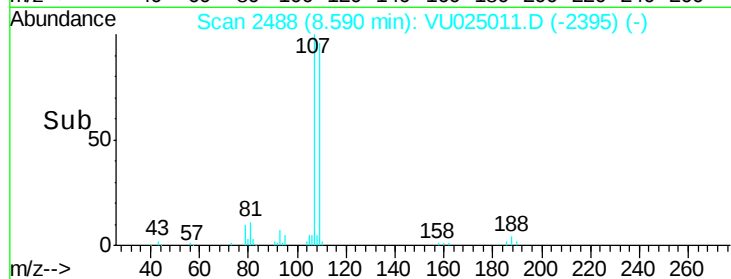
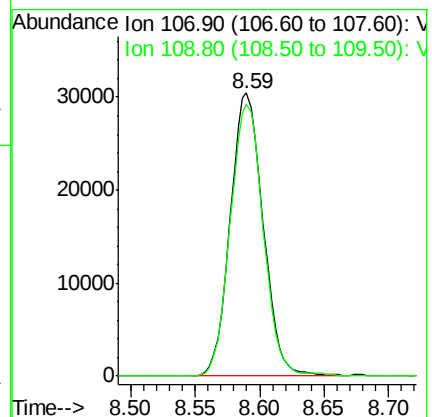
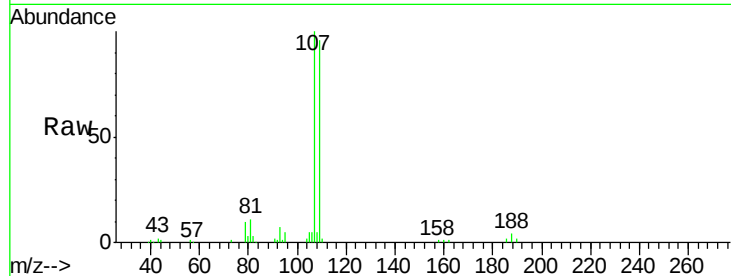




#61
 1,2-Dibromoethane
 Concen: 20.215 ug/l
 RT: 8.59 min Scan# 2488
 Delta R.T. 0.00 min
 Lab File: VU025011.D
 Acq: 28 Jun 2018 11:24

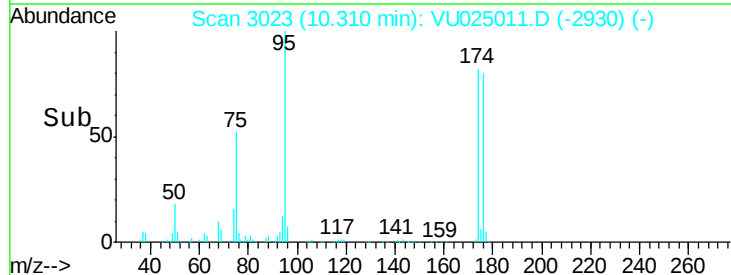
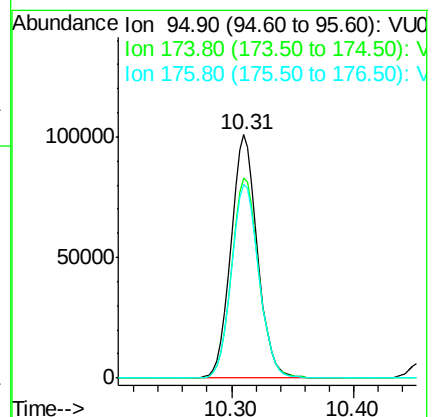
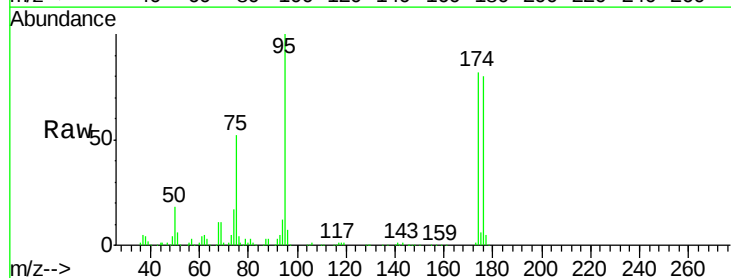
Instrument :
 MSVOA_U
 ClientSampleId :
 VU0628MBS01

Tgt Ion: 107 Resp: 53932
 Ion Ratio Lower Upper
 107 100
 109 95.8 74.5 111.7



#62
 4-Bromofluorobenzene
 Concen: 46.748 ug/l
 RT: 10.31 min Scan# 3023
 Delta R.T. 0.00 min
 Lab File: VU025011.D
 Acq: 28 Jun 2018 11:24

Tgt Ion: 95 Resp: 153807
 Ion Ratio Lower Upper
 95 100
 174 84.2 0.0 165.8
 176 82.3 0.0 159.4





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 9.09 min Scan# 2644

Delta R.T. -0.00 min

Lab File: VU025011.D

Acq: 28 Jun 2018 11:24

Instrument :

MSVOA_U

ClientSampleId :

VU0628MBS01

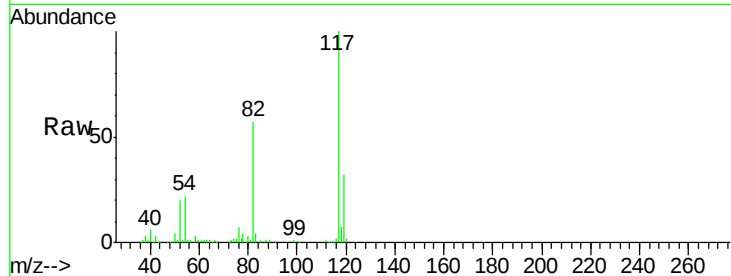
Tgt Ion:117 Resp: 252170

Ion Ratio Lower Upper

117 100

82 56.6 44.3 66.5

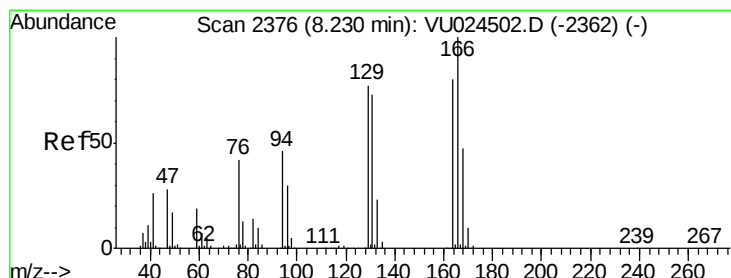
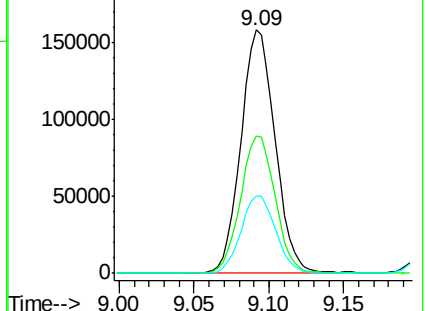
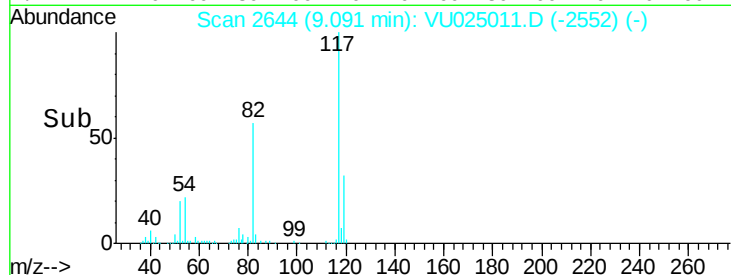
119 31.8 25.4 38.2



Abundance Ion 116.90 (116.60 to 117.60): V

Ion 82.00 (81.70 to 82.70): V

Ion 118.90 (118.60 to 119.60): V



#64

Tetrachloroethene

Concen: 20.975 ug/l

RT: 8.23 min Scan# 2376

Delta R.T. 0.00 min

Lab File: VU025011.D

Acq: 28 Jun 2018 11:24

Tgt Ion:164 Resp: 50276

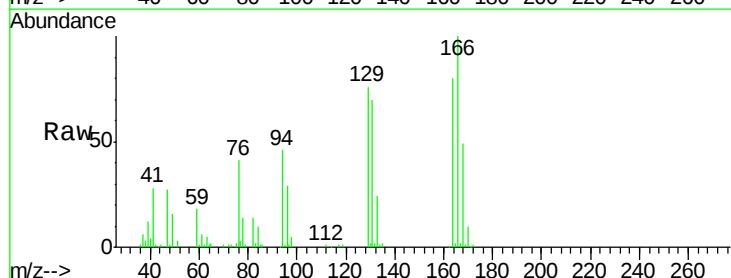
Ion Ratio Lower Upper

164 100

166 125.4 101.7 152.5

129 94.8 76.9 115.3

131 88.1 74.9 112.3

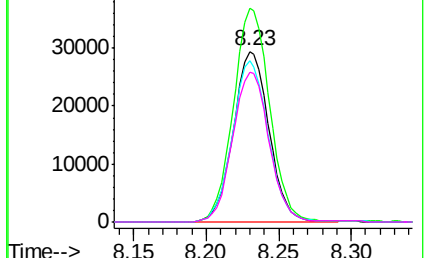
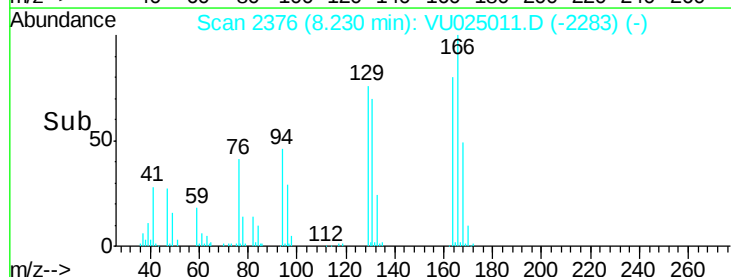


Abundance Ion 163.80 (163.50 to 164.50): V

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

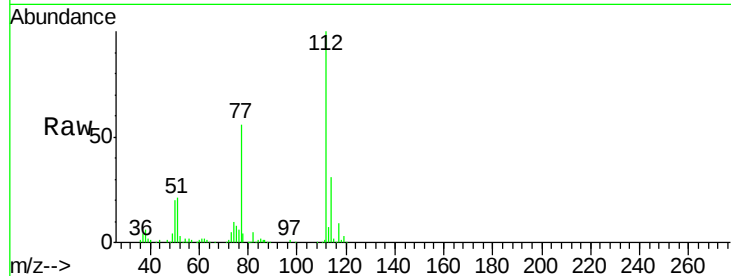




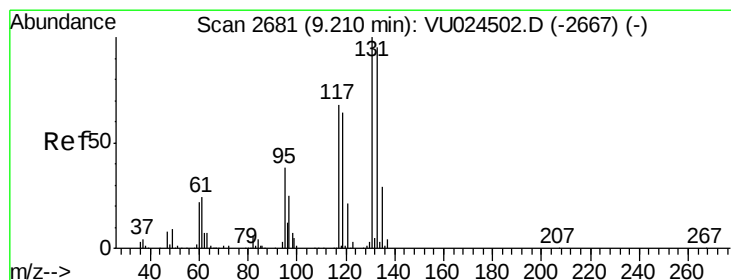
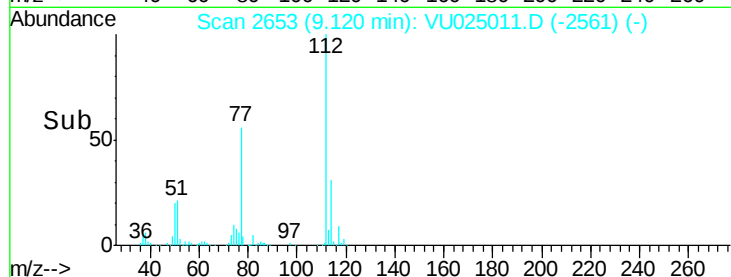
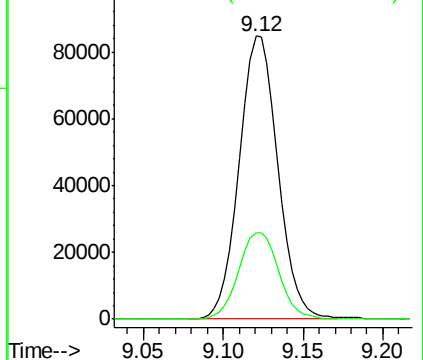
#65
Chlorobenzene
Concen: 21.641 ug/l
RT: 9.12 min Scan# 2653
Delta R.T. -0.00 min
Lab File: VU025011.D
Acq: 28 Jun 2018 11:24

Instrument :
MSVOA_U
ClientSampleId :
VU0628MBS01

Tgt Ion:112 Resp: 139415
Ion Ratio Lower Upper
112 100
114 30.7 25.6 38.4

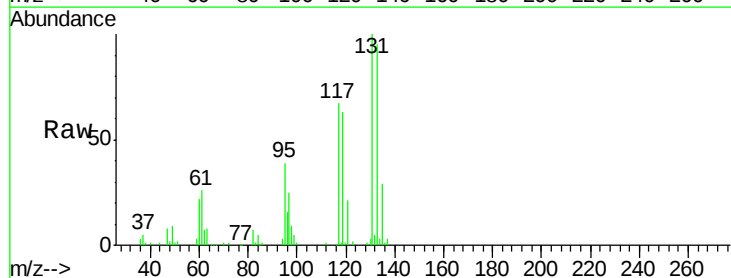


Abundance Ion 111.90 (111.60 to 112.60): V
Ion 113.90 (113.60 to 114.60): V

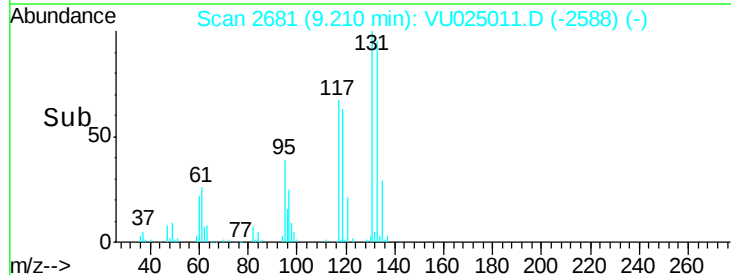
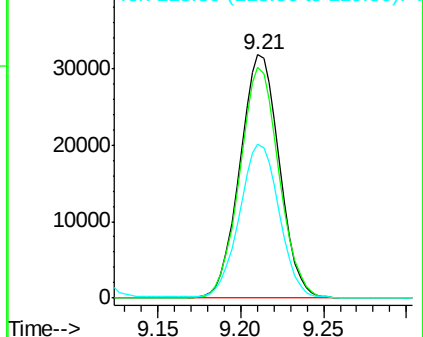


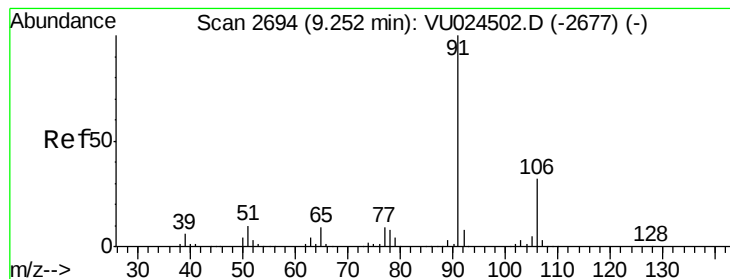
#66
1,1,1,2-Tetrachloroethane
Concen: 21.499 ug/l
RT: 9.21 min Scan# 2681
Delta R.T. 0.00 min
Lab File: VU025011.D
Acq: 28 Jun 2018 11:24

Tgt Ion:131 Resp: 52617
Ion Ratio Lower Upper
131 100
133 94.5 46.9 140.8
119 64.1 33.5 100.4



Abundance Ion 130.80 (130.50 to 131.50): V
Ion 132.80 (132.50 to 133.50): V
Ion 118.80 (118.50 to 119.50): V





#67

Ethyl Benzene

Concen: 21.558 ug/l

RT: 9.25 min Scan# 2694

Delta R.T. 0.00 min

Lab File: VU025011.D

Acq: 28 Jun 2018 11:24

Instrument :

MSVOA_U

ClientSampleId :

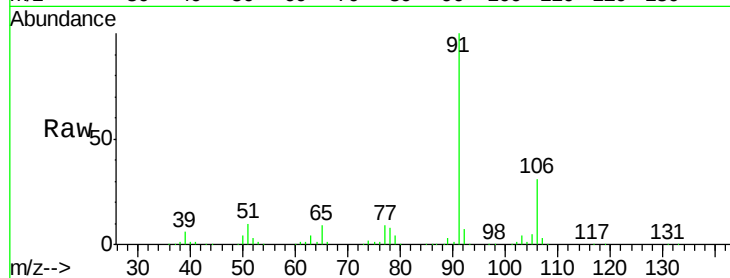
VU0628MBS01

Tgt Ion: 91 Resp: 243463

Ion Ratio Lower Upper

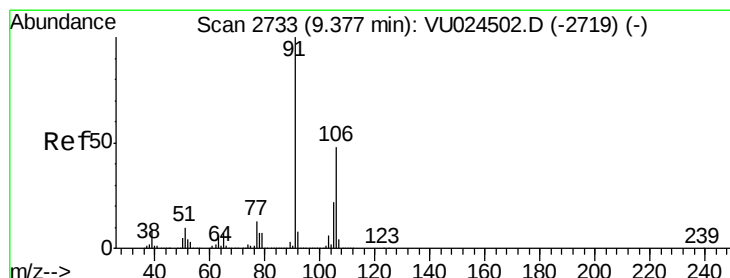
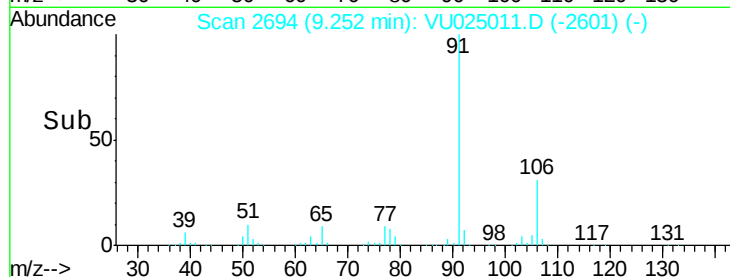
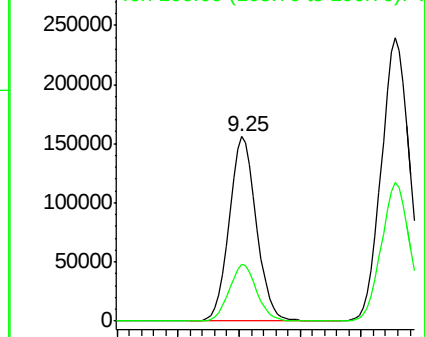
91 100

106 30.7 24.2 36.4



Abundance Ion 91.00 (90.70 to 91.70): VU0

Ion 106.00 (105.70 to 106.70): V



#68

m/p-Xylenes

Concen: 44.138 ug/l

RT: 9.38 min Scan# 2733

Delta R.T. 0.00 min

Lab File: VU025011.D

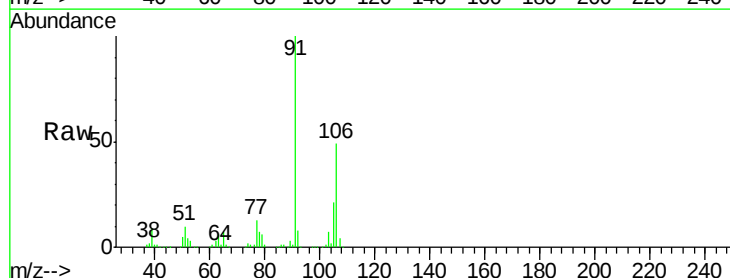
Acq: 28 Jun 2018 11:24

Tgt Ion: 106 Resp: 191409

Ion Ratio Lower Upper

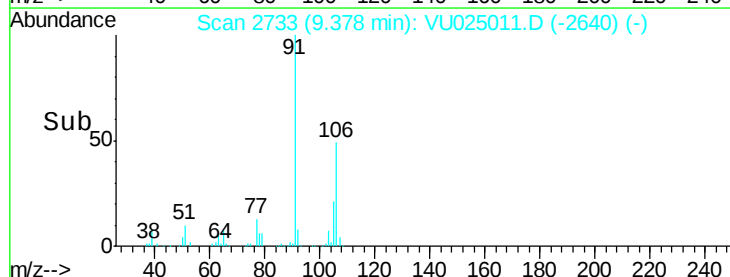
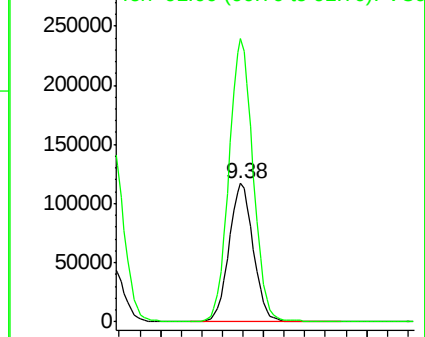
106 100

91 202.5 166.5 249.7



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VU0

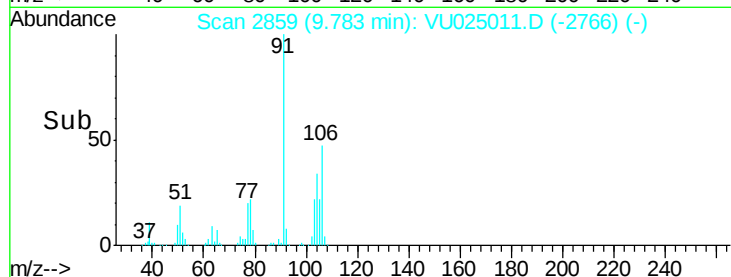
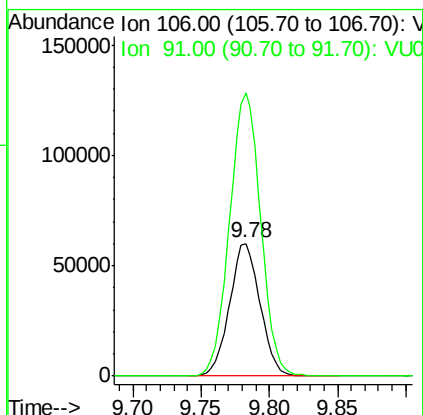
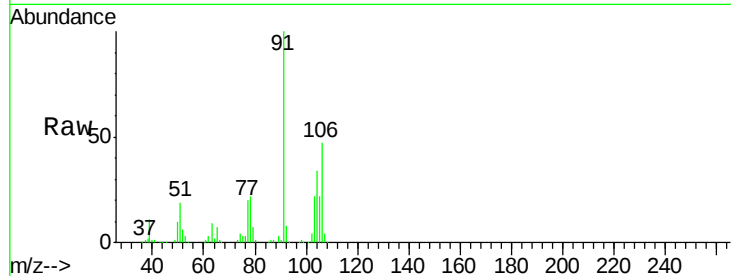




#69
o-Xylene
Concen: 21.780 ug/l
RT: 9.78 min Scan# 2859
Delta R.T. 0.00 min
Lab File: VU025011.D
Acq: 28 Jun 2018 11:24

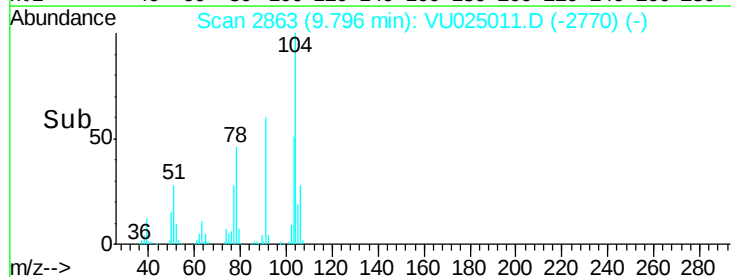
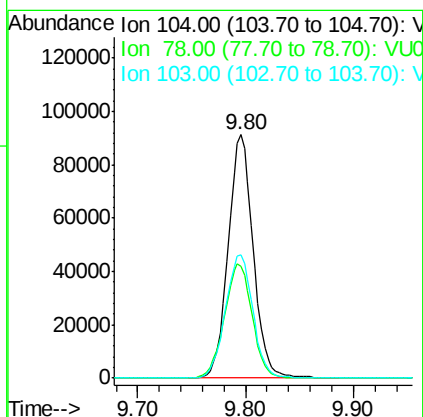
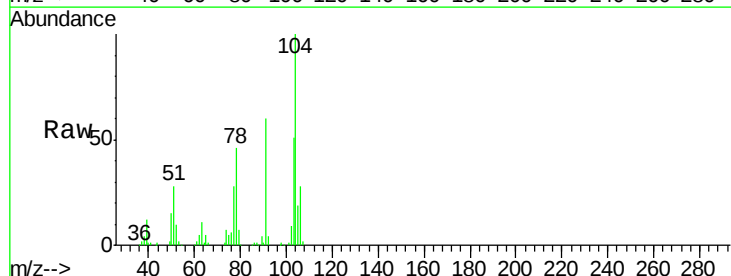
Instrument :
MSVOA_U
ClientSampleId :
VU0628MBS01

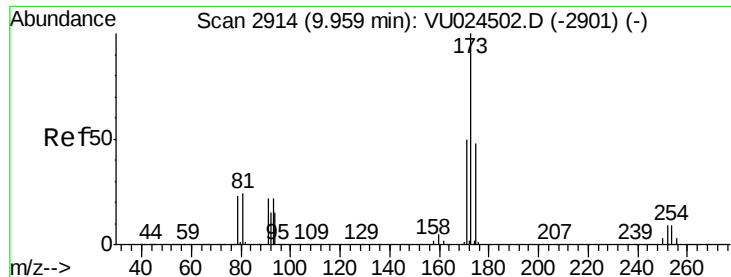
Tgt Ion:106 Resp: 93478
Ion Ratio Lower Upper
106 100
91 217.3 110.7 331.9



#70
Styrene
Concen: 20.934 ug/l
RT: 9.80 min Scan# 2863
Delta R.T. 0.00 min
Lab File: VU025011.D
Acq: 28 Jun 2018 11:24

Tgt Ion:104 Resp: 147644
Ion Ratio Lower Upper
104 100
78 51.8 40.6 60.8
103 55.7 44.7 67.1





#71

Bromoform

Concen: 18.318 ug/l

RT: 9.96 min Scan# 2914

Delta R.T. 0.00 min

Lab File: VU025011.D

Acq: 28 Jun 2018 11:24

Instrument :

MSVOA_U

ClientSampleId :

VU0628MBS01

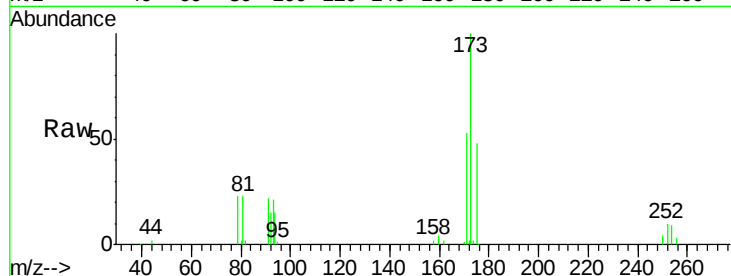
Tgt Ion:173 Resp: 42614

Ion Ratio Lower Upper

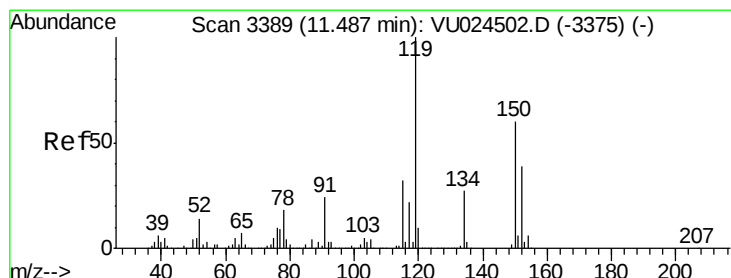
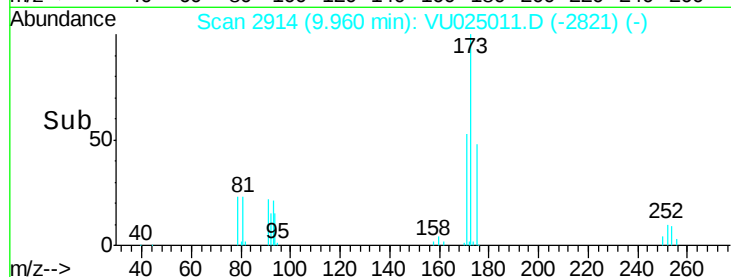
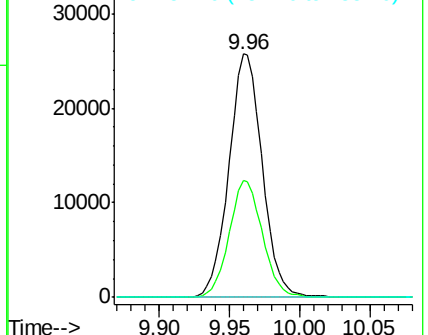
173 100

175 47.7 24.6 74.0

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: 11.49 min Scan# 3389

Delta R.T. 0.00 min

Lab File: VU025011.D

Acq: 28 Jun 2018 11:24

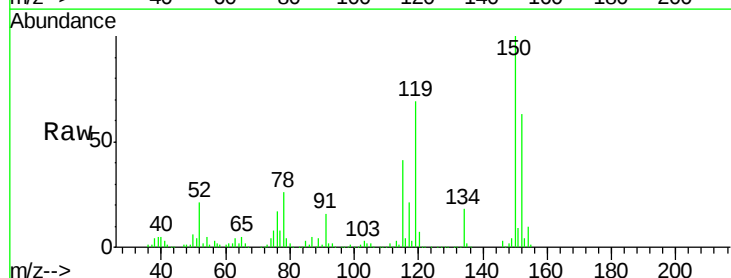
Tgt Ion:152 Resp: 151929

Ion Ratio Lower Upper

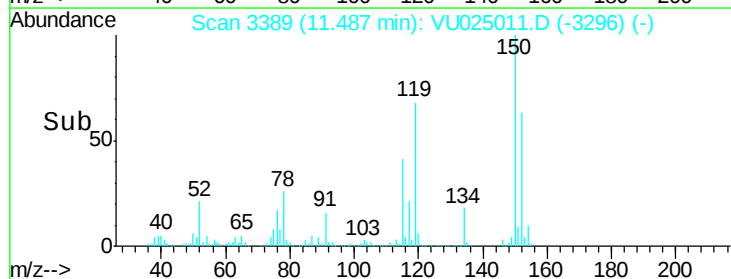
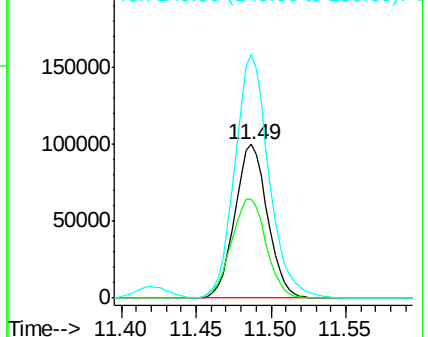
152 100

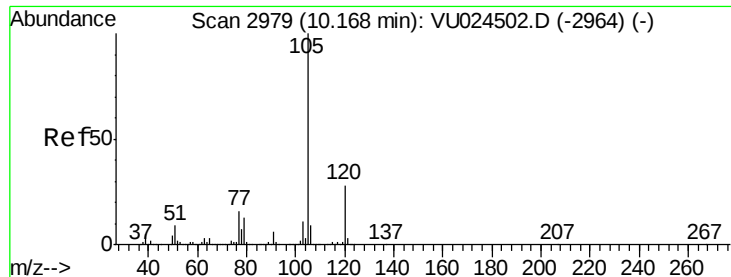
115 69.0 43.0 129.0

150 165.7 0.0 354.0



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





#73

Isopropylbenzene

Concen: 21.720 ug/l

RT: 10.17 min Scan# 2979

Delta R.T. 0.00 min

Lab File: VU025011.D

Acq: 28 Jun 2018 11:24

Instrument :

MSVOA_U

ClientSampleId :

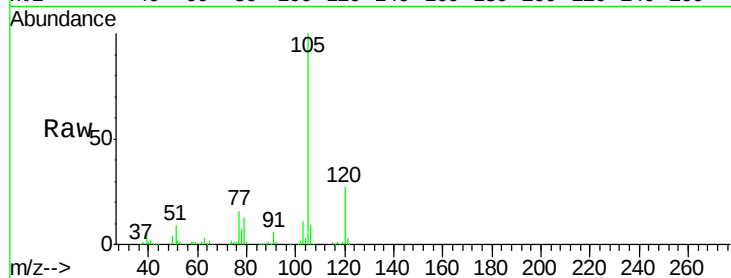
VU0628MBS01

Tgt Ion: 105 Resp: 253349

Ion Ratio Lower Upper

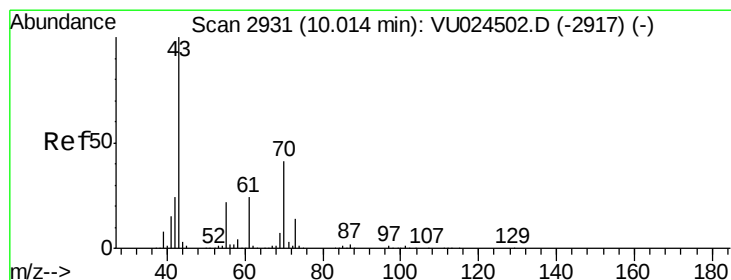
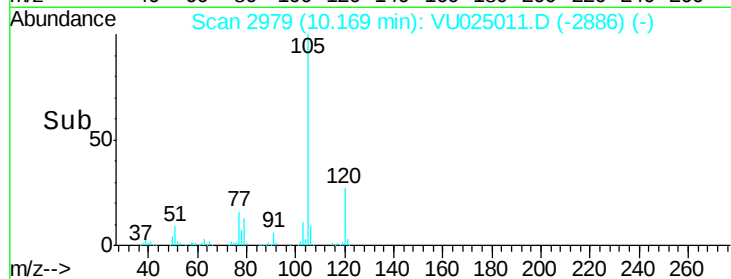
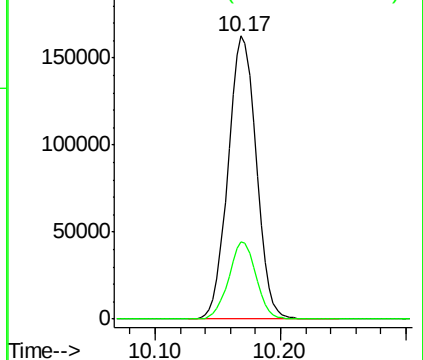
105 100

120 26.5 13.2 39.6



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 18.343 ug/l

RT: 10.01 min Scan# 2931

Delta R.T. 0.00 min

Lab File: VU025011.D

Acq: 28 Jun 2018 11:24

Tgt Ion: 43 Resp: 101768

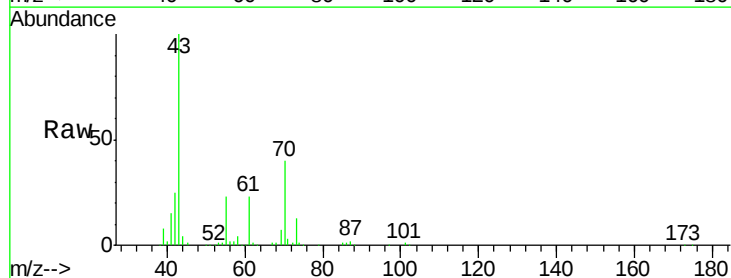
Ion Ratio Lower Upper

43 100

70 40.3 32.2 48.4

55 23.7 20.5 30.7

61 23.1 18.7 28.1

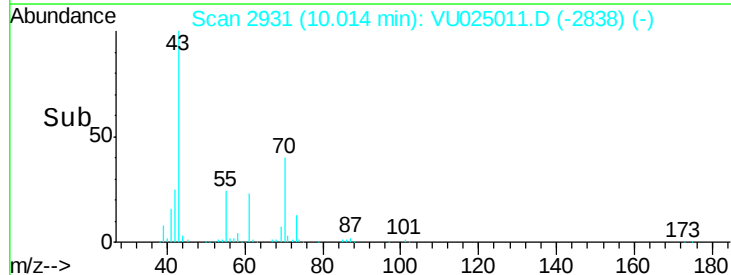
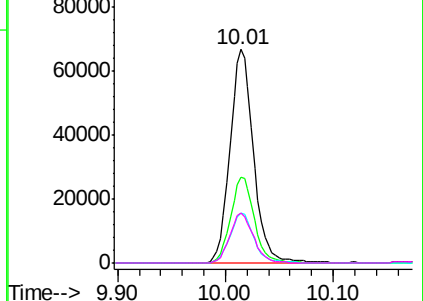


Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 70.00 (69.70 to 70.70): VU0

Ion 55.00 (54.70 to 55.70): VU0

Ion 61.00 (60.70 to 61.70): VU0





#75

1,1,2,2-Tetrachloroethane

Concen: 20.359 ug/l

RT: 10.46 min Scan# 3070

Delta R.T. 0.00 min

Lab File: VU025011.D

Acq: 28 Jun 2018 11:24

Instrument :

MSVOA_U

ClientSampleId :

VU0628MBS01

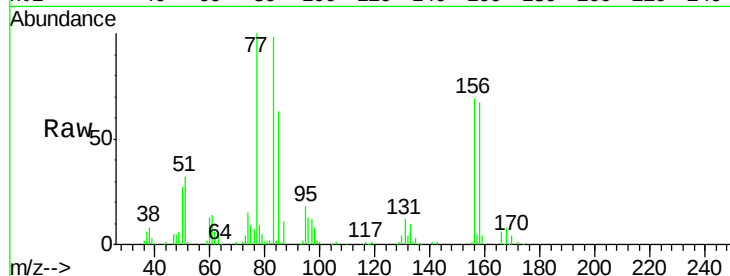
Tgt Ion: 83 Resp: 79580

Ion Ratio Lower Upper

83 100

131 11.4 4.7 14.1

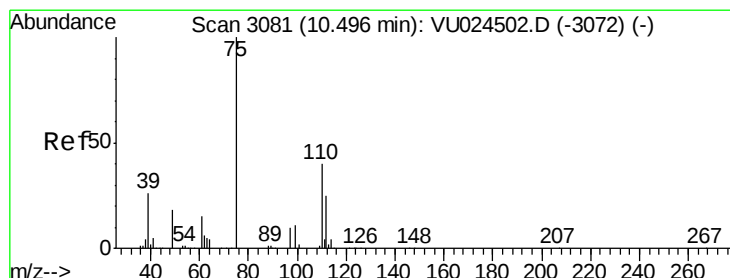
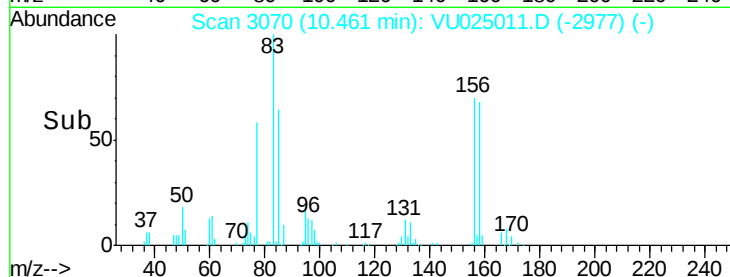
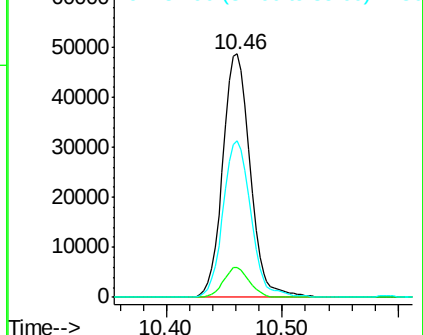
85 65.5 32.5 97.5



Abundance Ion 82.90 (82.60 to 83.60): VU0

Ion 130.80 (130.50 to 131.50): VU0

Ion 84.90 (84.60 to 85.60): VU0



#76

1,2,3-Trichloropropane

Concen: 28.301 ug/l

RT: 10.50 min Scan# 3081

Delta R.T. 0.00 min

Lab File: VU025011.D

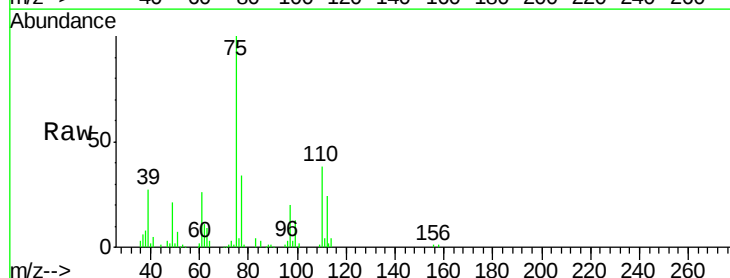
Acq: 28 Jun 2018 11:24

Tgt Ion: 75 Resp: 94664

Ion Ratio Lower Upper

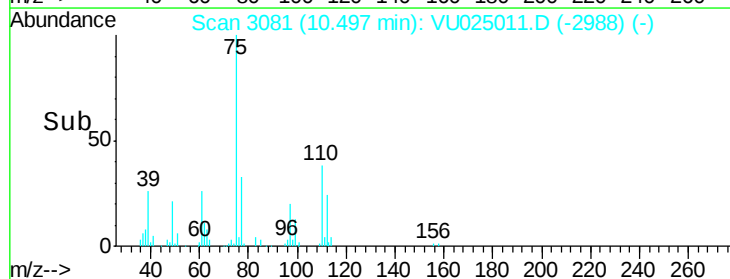
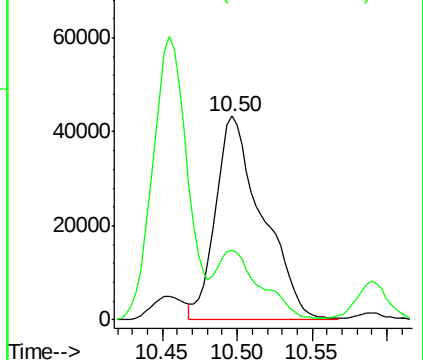
75 100

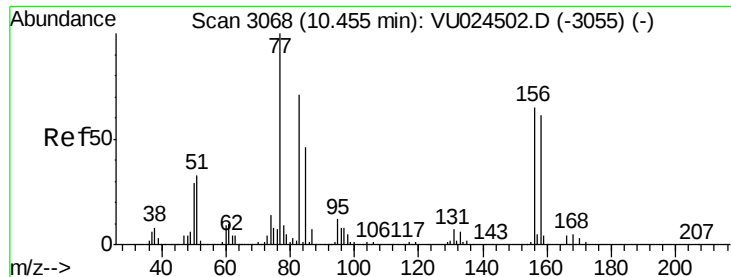
77 32.6 20.9 62.7



Abundance Ion 74.90 (74.60 to 75.60): VU0

Ion 77.00 (76.70 to 77.70): VU0





#77

Bromobenzene

Concen: 21.732 ug/l

RT: 10.45 min Scan# 3068

Delta R.T. 0.00 min

Lab File: VU025011.D

Acq: 28 Jun 2018 11:24

Instrument :

MSVOA_U

ClientSampleId :

VU0628MBS01

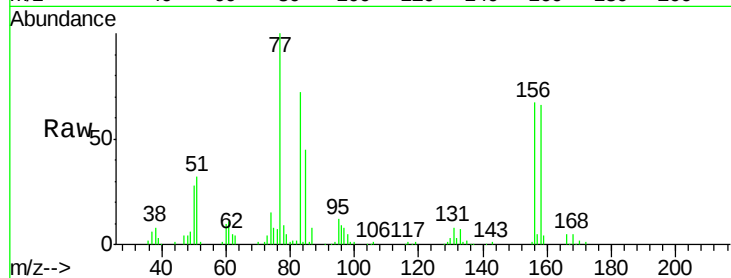
Tgt Ion:156 Resp: 64174

Ion Ratio Lower Upper

156 100

77 150.2 80.5 241.3

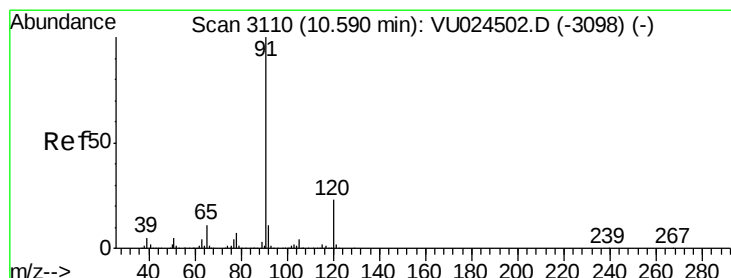
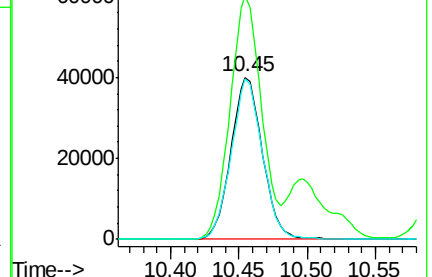
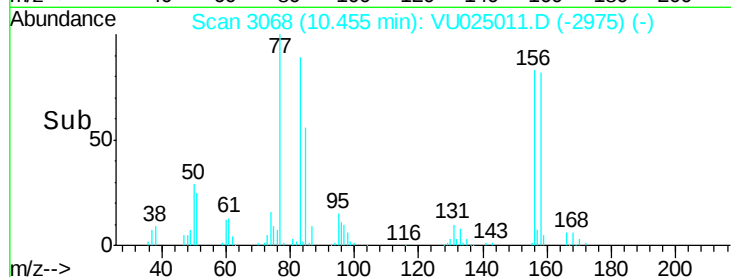
158 98.2 48.2 144.6



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VU0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 20.824 ug/l

RT: 10.59 min Scan# 3110

Delta R.T. 0.00 min

Lab File: VU025011.D

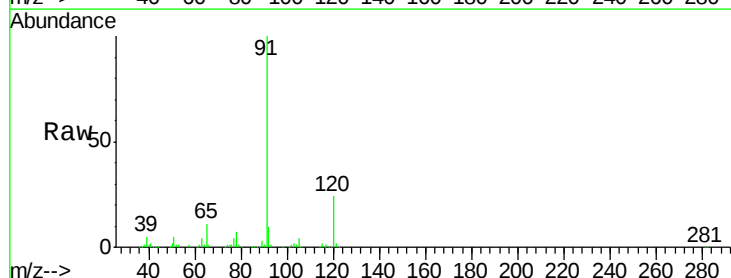
Acq: 28 Jun 2018 11:24

Tgt Ion: 91 Resp: 286138

Ion Ratio Lower Upper

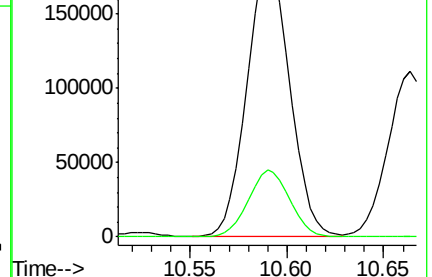
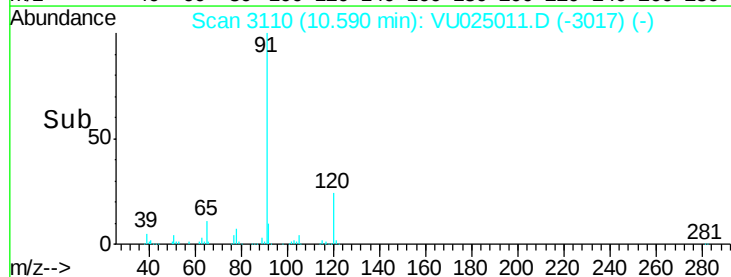
91 100

120 23.5 11.2 33.5



Abundance Ion 91.00 (90.70 to 91.70): VU0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 21.374 ug/l

RT: 10.66 min Scan# 3133

Delta R.T. 0.00 min

Lab File: VU025011.D

Acq: 28 Jun 2018 11:24

Instrument :

MSVOA_U

ClientSampleId :

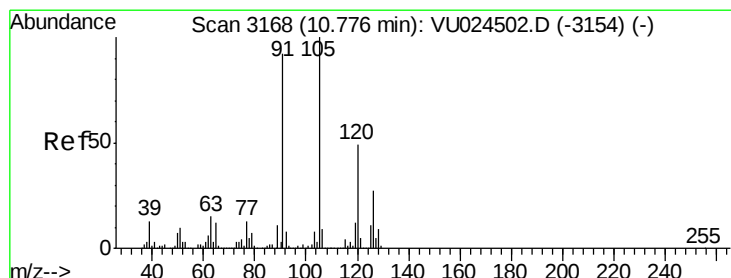
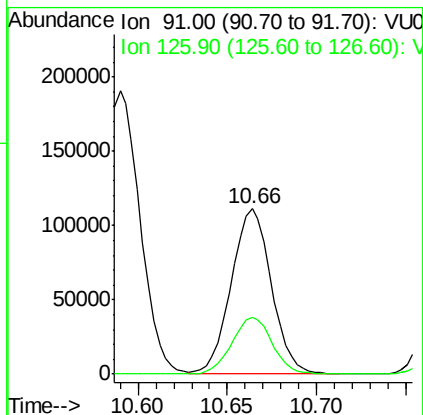
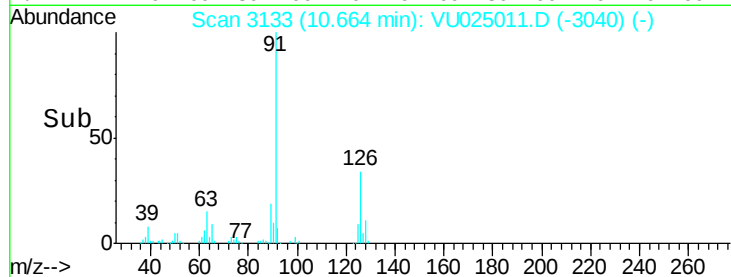
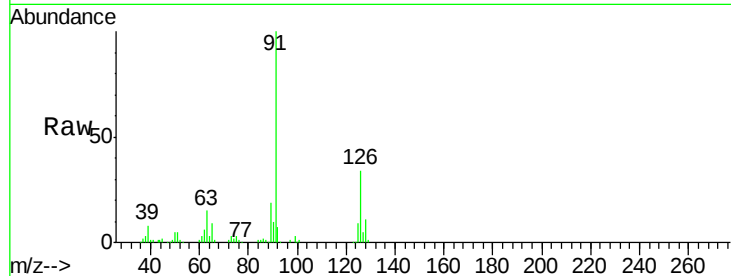
VU0628MBS01

Tgt Ion: 91 Resp: 173193

Ion Ratio Lower Upper

91 100

126 34.9 16.9 50.7



#80

1,3,5-Trimethylbenzene

Concen: 21.769 ug/l

RT: 10.78 min Scan# 3168

Delta R.T. 0.00 min

Lab File: VU025011.D

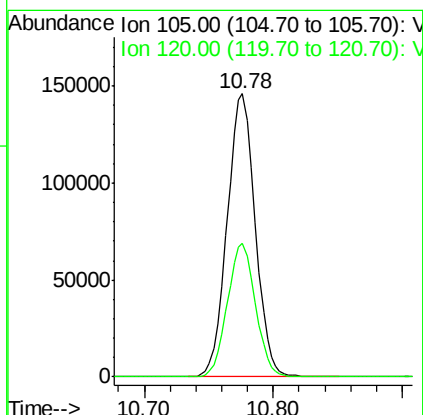
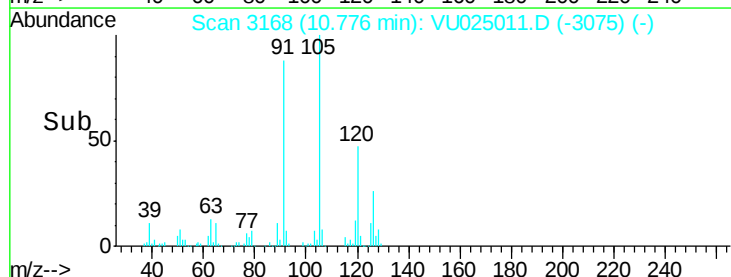
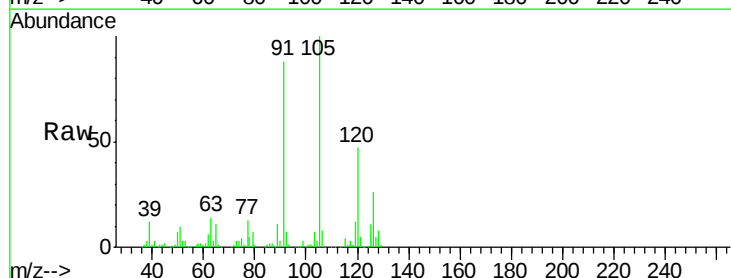
Acq: 28 Jun 2018 11:24

Tgt Ion: 105 Resp: 220088

Ion Ratio Lower Upper

105 100

120 47.2 24.1 72.2

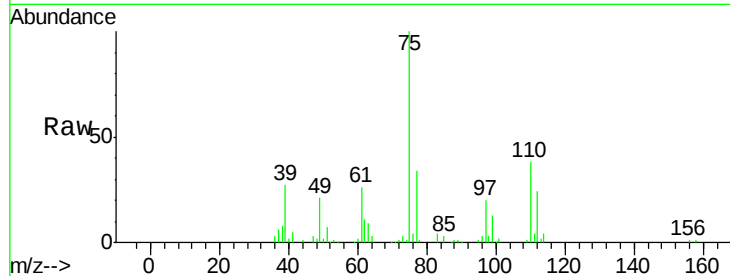




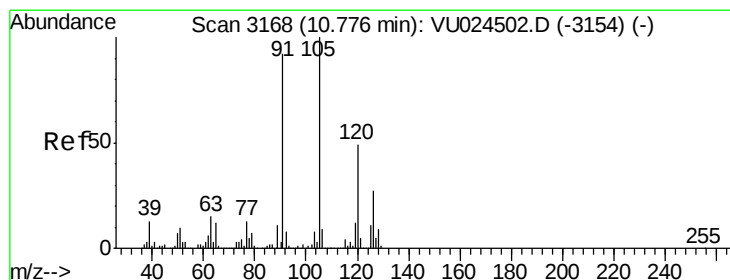
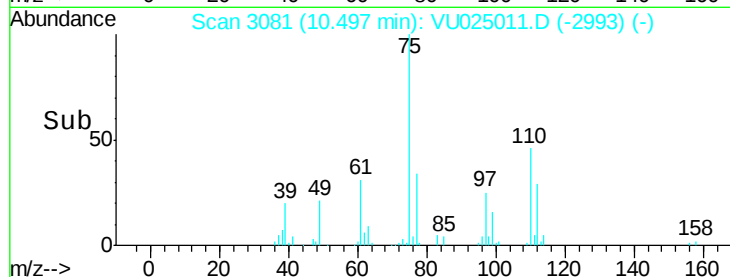
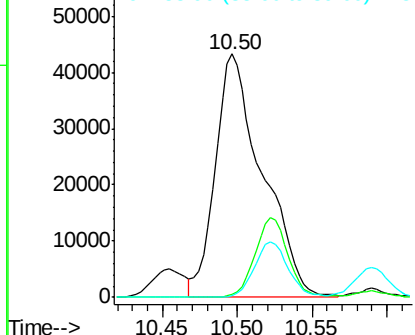
#81
trans-1,4-Dichloro-2-butene
Concen: 65.500 ug/l
RT: 10.50 min Scan# 3081
Delta R.T. -0.02 min
Lab File: VU025011.D
Acq: 28 Jun 2018 11:24

Instrument :
MSVOA_U
ClientSampleId :
VU0628MBS01

Tgt Ion: 75 Resp: 94664
Ion Ratio Lower Upper
75 100
53 0.0 0.0 0.0
89 0.0 0.0 0.0

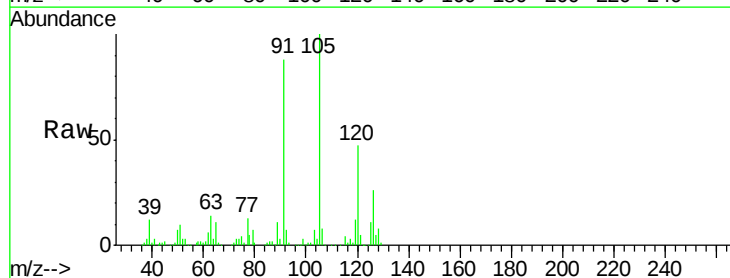


Abundance Ion 74.90 (74.60 to 75.60): VU0
Ion 53.00 (52.70 to 53.70): VU0
Ion 88.90 (88.60 to 89.60): VU0

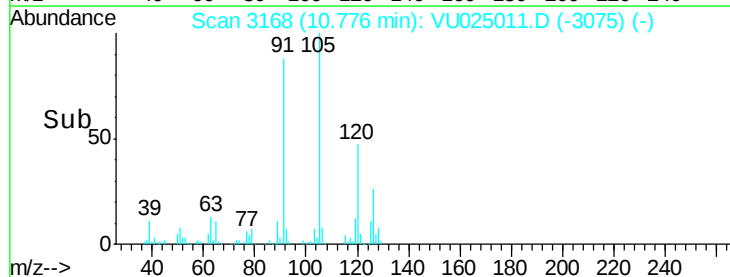
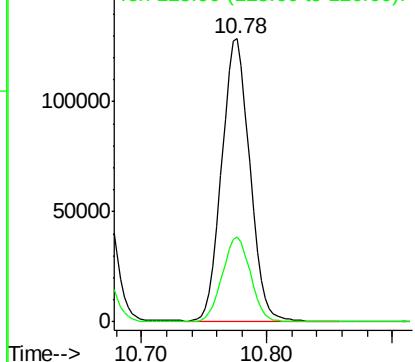


#82
4-Chlorotoluene
Concen: 21.170 ug/l
RT: 10.78 min Scan# 3168
Delta R.T. 0.00 min
Lab File: VU025011.D
Acq: 28 Jun 2018 11:24

Tgt Ion: 91 Resp: 199657
Ion Ratio Lower Upper
91 100
126 30.2 14.9 44.9



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

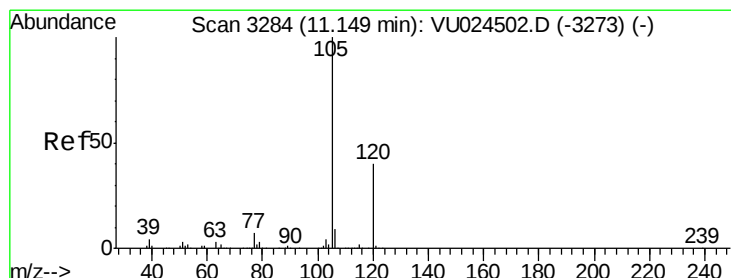
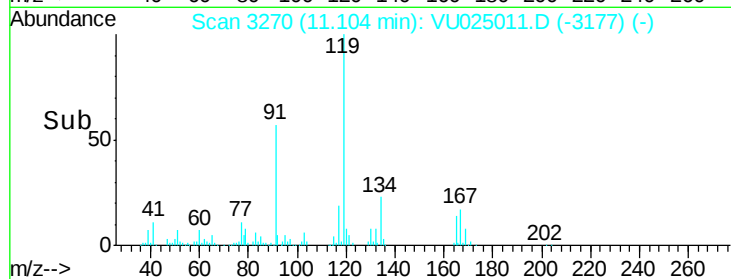
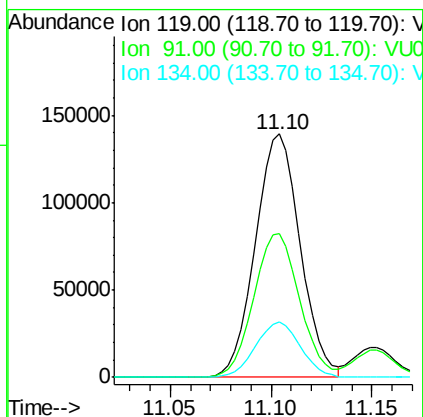
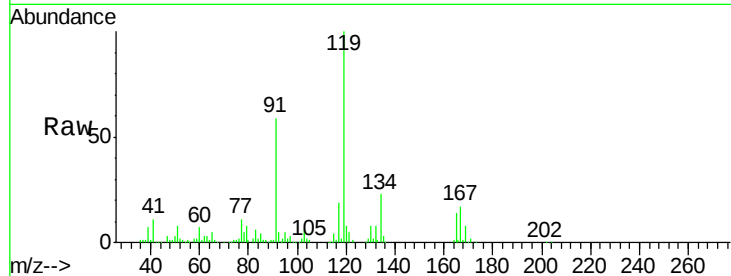




#83
tert-Butylbenzene
Concen: 22.288 ug/l
RT: 11.10 min Scan# 3270
Delta R.T. 0.00 min
Lab File: VU025011.D
Acq: 28 Jun 2018 11:24

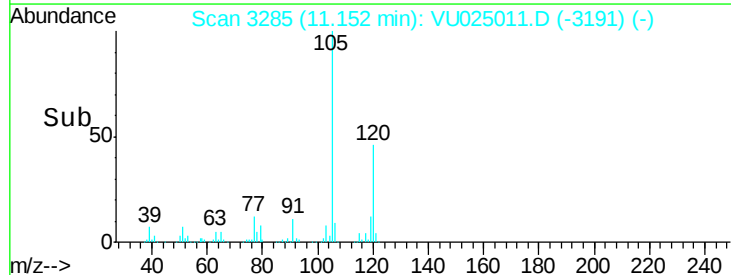
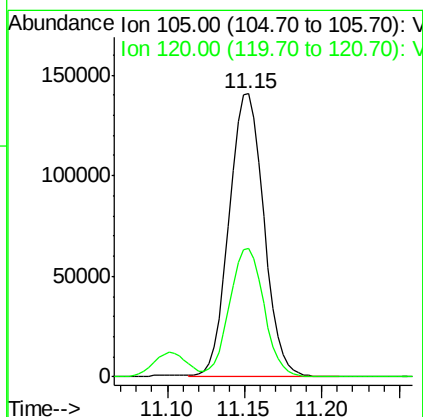
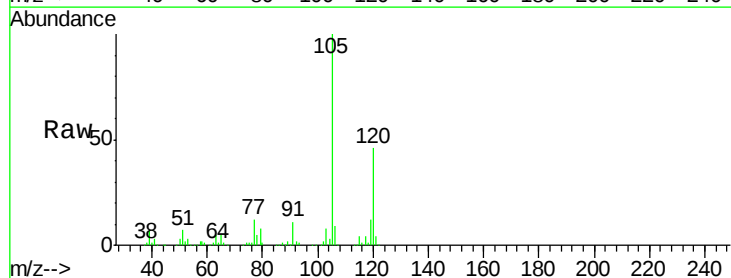
Instrument :
MSVOA_U
ClientSampleId :
VU0628MBS01

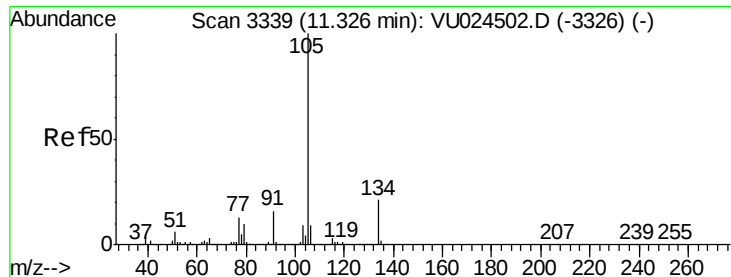
Tgt Ion:119 Resp: 216753
Ion Ratio Lower Upper
119 100
91 60.5 29.7 89.1
134 22.8 11.6 34.7



#84
1,2,4-Trimethylbenzene
Concen: 21.206 ug/l
RT: 11.15 min Scan# 3285
Delta R.T. 0.00 min
Lab File: VU025011.D
Acq: 28 Jun 2018 11:24

Tgt Ion:105 Resp: 218490
Ion Ratio Lower Upper
105 100
120 45.1 22.6 67.8





#85

sec-Butylbenzene

Concen: 21.302 ug/l

RT: 11.33 min Scan# 3339

Delta R.T. 0.00 min

Lab File: VU025011.D

Acq: 28 Jun 2018 11:24

Instrument :

MSVOA_U

ClientSampleId :

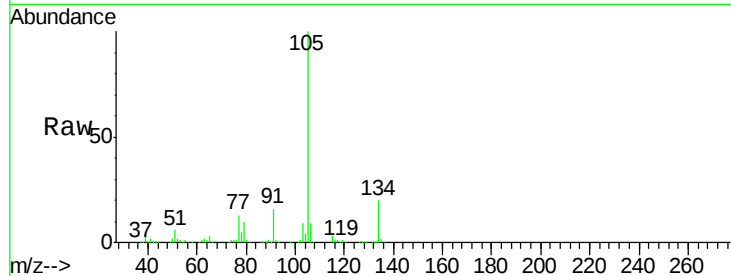
VU0628MBS01

Tgt Ion:105 Resp: 259313

Ion Ratio Lower Upper

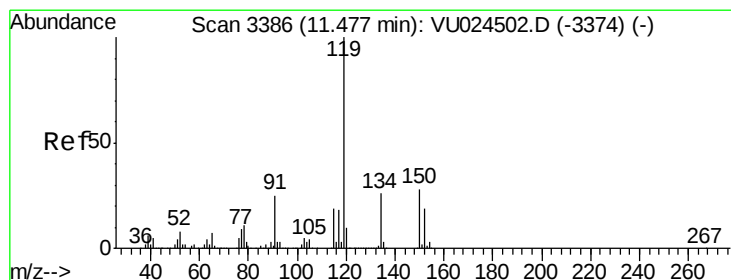
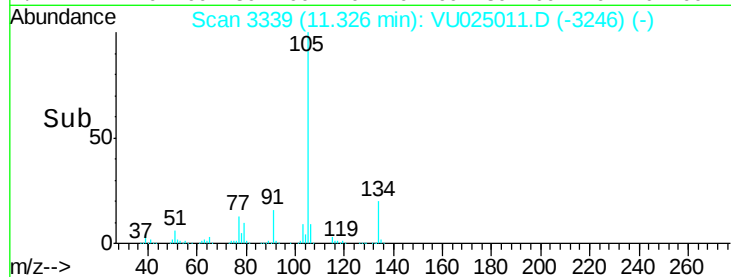
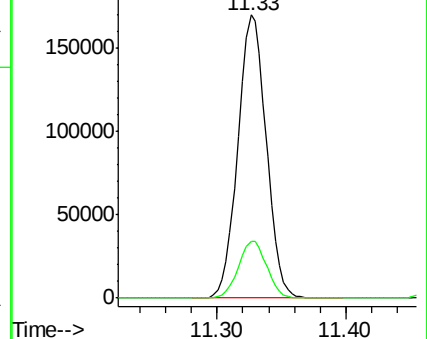
105 100

134 20.2 9.7 29.1



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 21.286 ug/l

RT: 11.48 min Scan# 3386

Delta R.T. 0.00 min

Lab File: VU025011.D

Acq: 28 Jun 2018 11:24

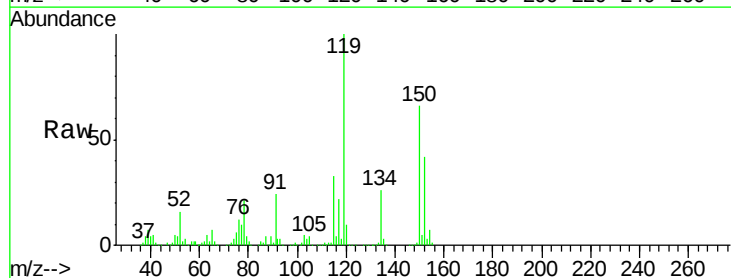
Tgt Ion:119 Resp: 232072

Ion Ratio Lower Upper

119 100

134 26.4 12.9 38.6

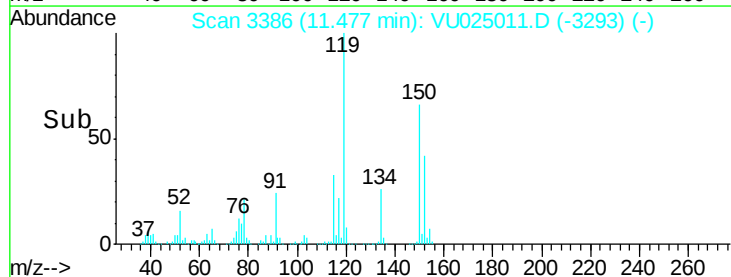
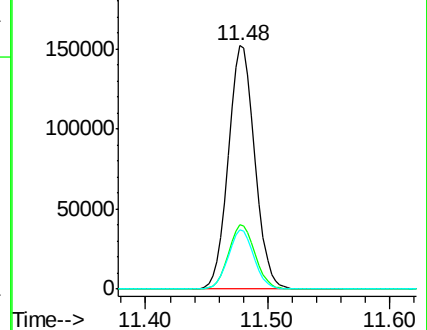
91 23.9 12.0 36.1



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): VU0

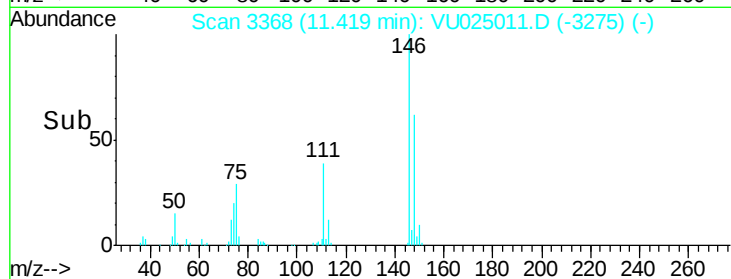
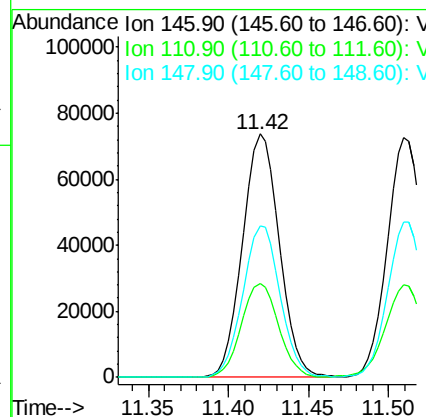
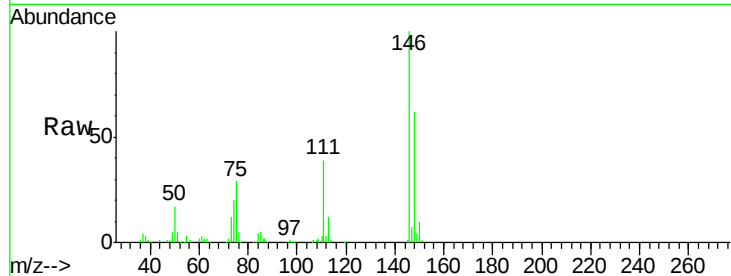




#87
 1,3-Dichlorobenzene
 Concen: 21.160 ug/l
 RT: 11.42 min Scan# 3368
 Delta R.T. 0.00 min
 Lab File: VU025011.D
 Acq: 28 Jun 2018 11:24

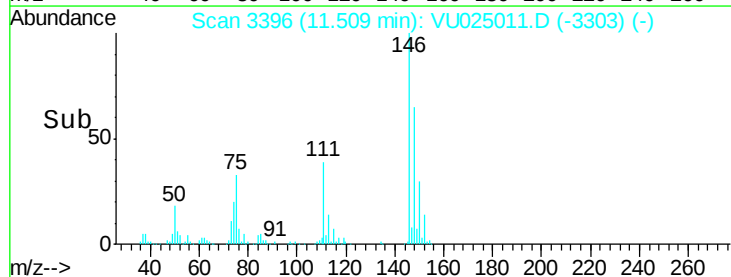
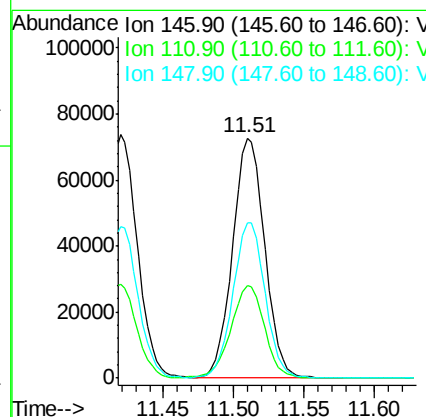
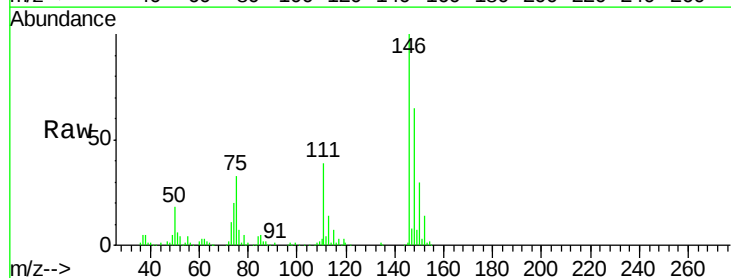
Instrument :
 MSVOA_U
 ClientSampleId :
 VU0628MBS01

Tgt Ion	Ratio	Lower	Upper
146	100		
111	38.9	20.0	60.0
148	63.1	32.1	96.5



#88
 1,4-Dichlorobenzene
 Concen: 21.179 ug/l
 RT: 11.51 min Scan# 3396
 Delta R.T. 0.00 min
 Lab File: VU025011.D
 Acq: 28 Jun 2018 11:24

Tgt Ion	Ratio	Lower	Upper
146	100		
111	40.1	19.5	58.5
148	64.4	32.4	97.0





#89

n-Butylbenzene

Concen: 18.972 ug/l

RT: 11.89 min Scan# 3515

Delta R.T. 0.00 min

Lab File: VU025011.D

Acq: 28 Jun 2018 11:24

Instrument :

MSVOA_U

ClientSampleId :

VU0628MBS01

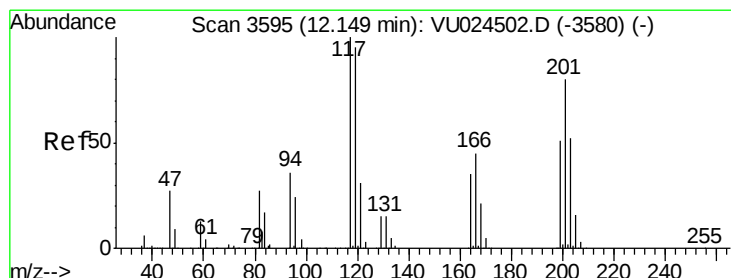
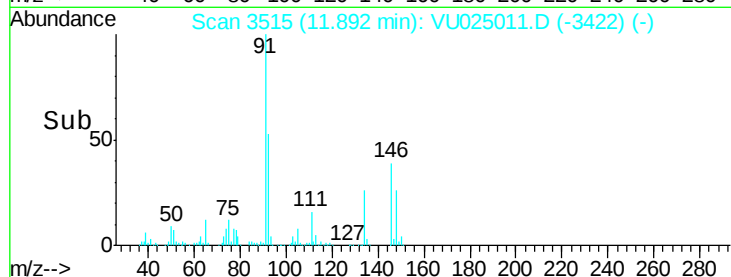
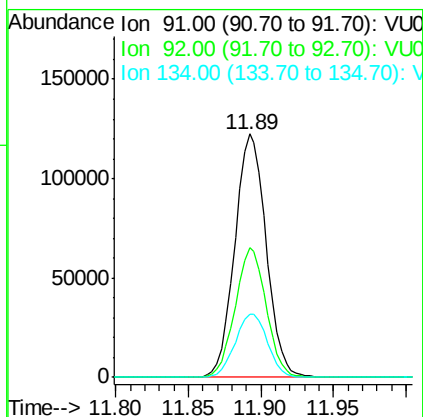
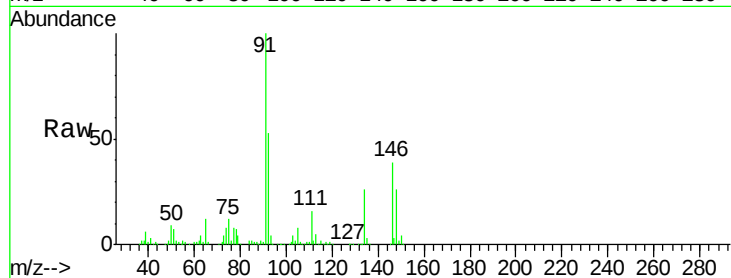
Tgt Ion: 91 Resp: 183641

Ion Ratio Lower Upper

91 100

92 52.7 25.6 76.8

134 26.7 12.3 36.8



#90

Hexachloroethane

Concen: 18.483 ug/l

RT: 12.15 min Scan# 3595

Delta R.T. 0.00 min

Lab File: VU025011.D

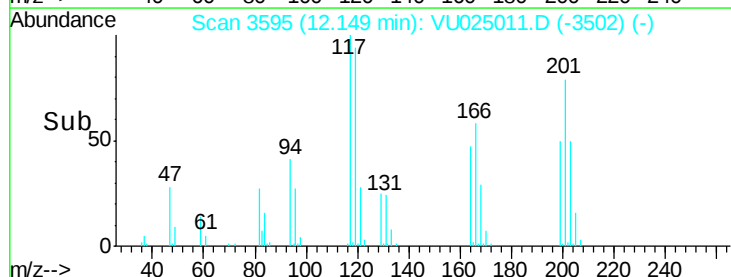
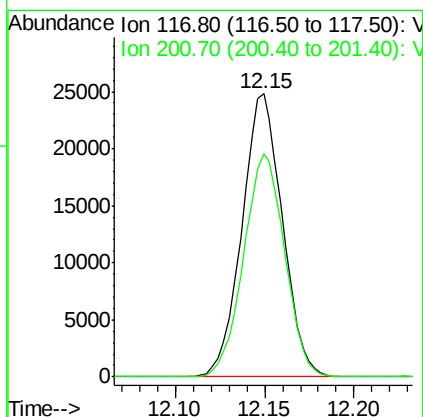
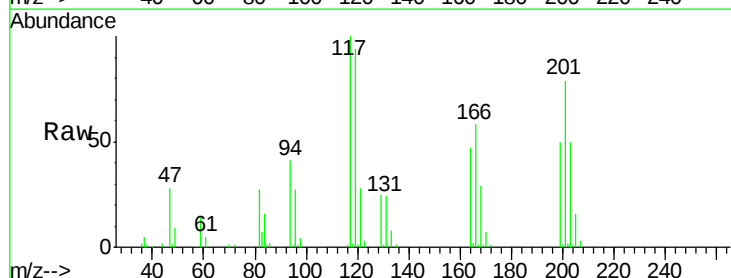
Acq: 28 Jun 2018 11:24

Tgt Ion: 117 Resp: 39310

Ion Ratio Lower Upper

117 100

201 80.1 41.1 123.3





#91

1,2-Dichlorobenzene

Concen: 21.744 ug/l

RT: 11.88 min Scan# 3512

Delta R.T. 0.00 min

Lab File: VU025011.D

Acq: 28 Jun 2018 11:24

Instrument :

MSVOA_U

ClientSampleId :

VU0628MBS01

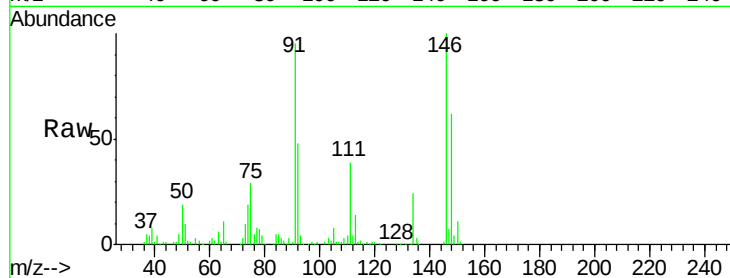
Tgt Ion: 146 Resp: 118820

Ion Ratio Lower Upper

146 100

111 41.2 20.5 61.6

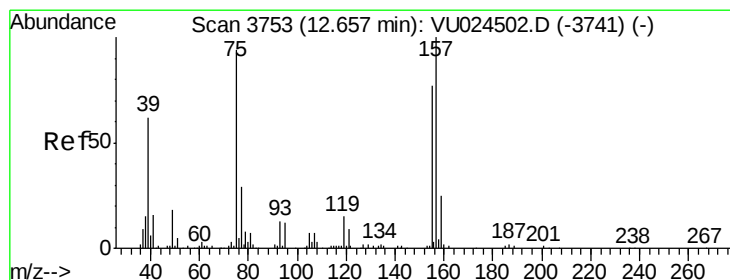
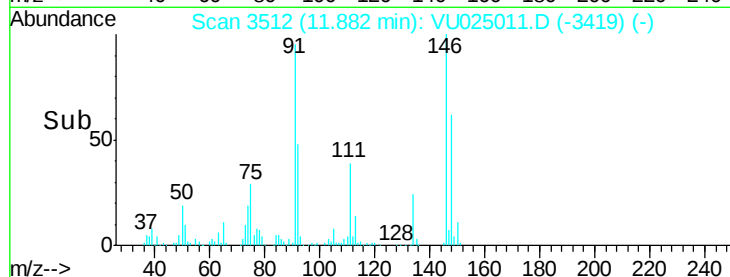
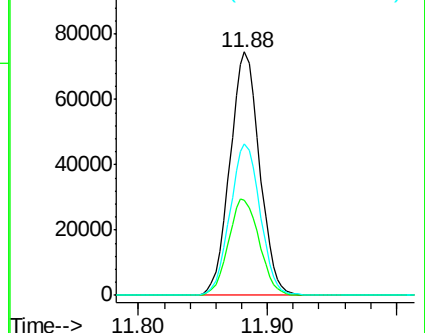
148 63.3 31.9 95.7



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: 18.707 ug/l

RT: 12.66 min Scan# 3754

Delta R.T. 0.00 min

Lab File: VU025011.D

Acq: 28 Jun 2018 11:24

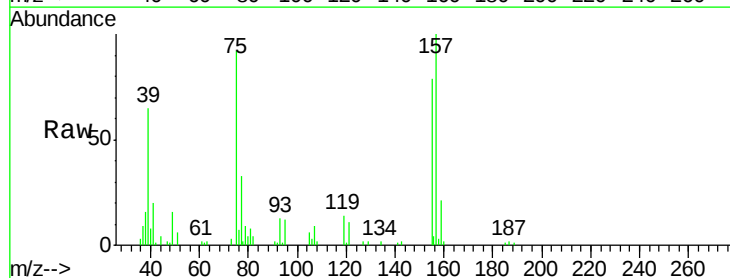
Tgt Ion: 75 Resp: 20176

Ion Ratio Lower Upper

75 100

155 83.3 40.4 121.2

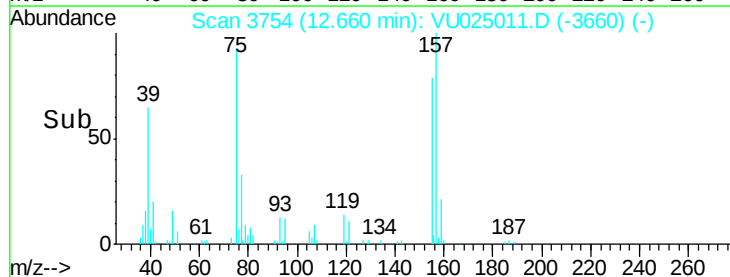
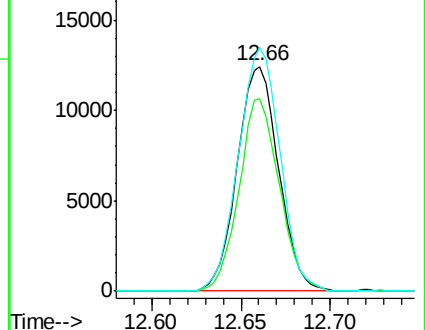
157 108.9 52.3 156.8

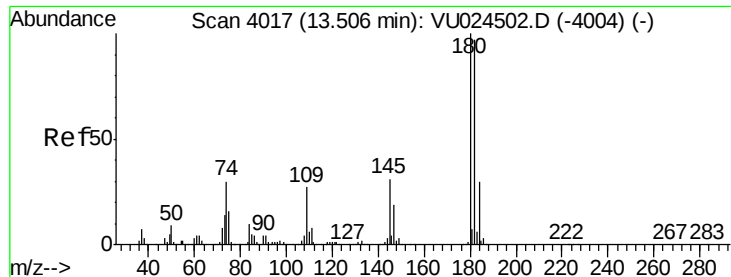


Abundance Ion 74.90 (74.60 to 75.60): VU0

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V

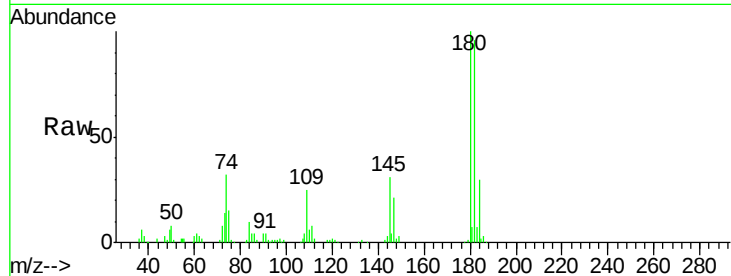




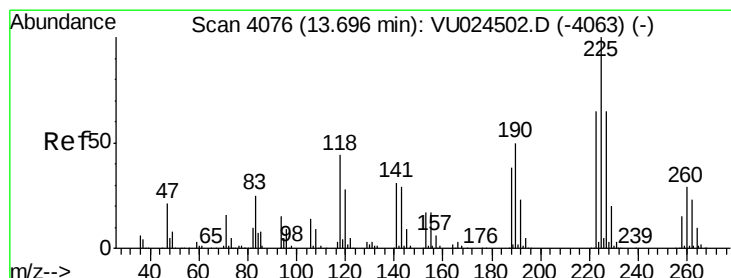
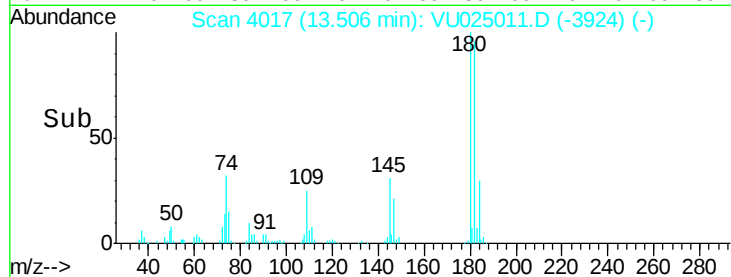
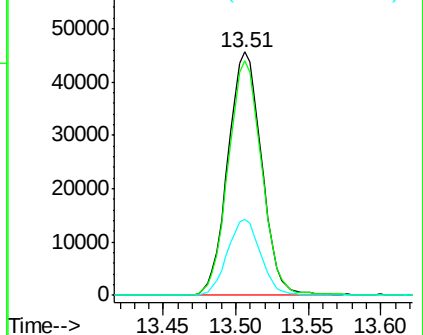
#93
 1,2,4-Trichlorobenzene
 Concen: 21.818 ug/l
 RT: 13.51 min Scan# 4017
 Delta R.T. 0.00 min
 Lab File: VU025011.D
 Acq: 28 Jun 2018 11:24

Instrument :
 MSVOA_U
 ClientSampleId :
 VU0628MBS01

Tgt Ion:180 Resp: 73626
 Ion Ratio Lower Upper
 180 100
 182 96.0 48.0 144.2
 145 30.7 14.7 44.1

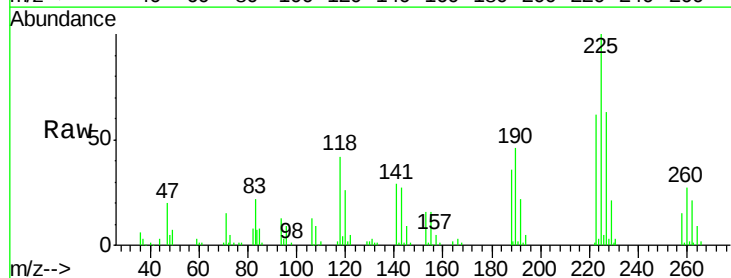


Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

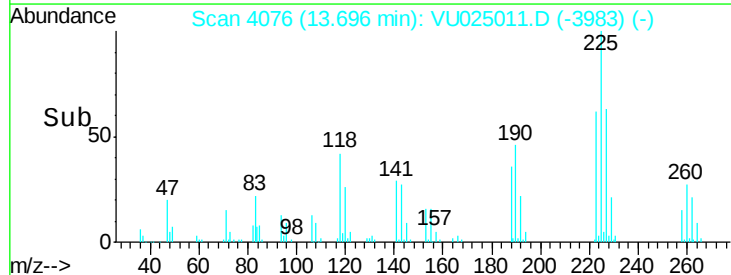
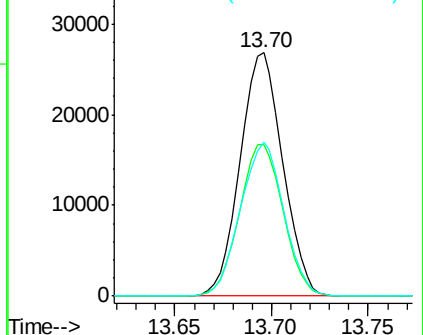


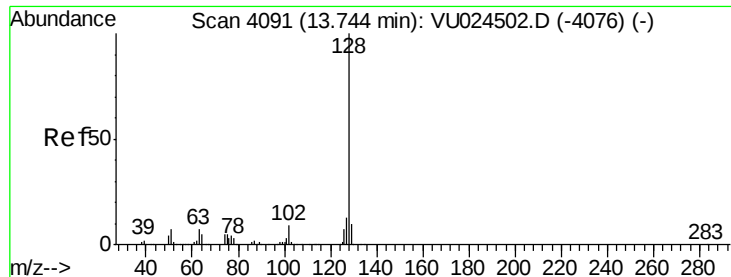
#94
 Hexachlorobutadiene
 Concen: 21.734 ug/l
 RT: 13.70 min Scan# 4076
 Delta R.T. 0.00 min
 Lab File: VU025011.D
 Acq: 28 Jun 2018 11:24

Tgt Ion:225 Resp: 41281
 Ion Ratio Lower Upper
 225 100
 223 63.6 31.3 93.8
 227 64.1 31.8 95.4



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





#95

Naphthalene

Concen: 21.125 ug/l

RT: 13.75 min Scan# 4092

Delta R.T. 0.00 min

Lab File: VU025011.D

Acq: 28 Jun 2018 11:24

Instrument :

MSVOA_U

ClientSampleId :

VU0628MBS01

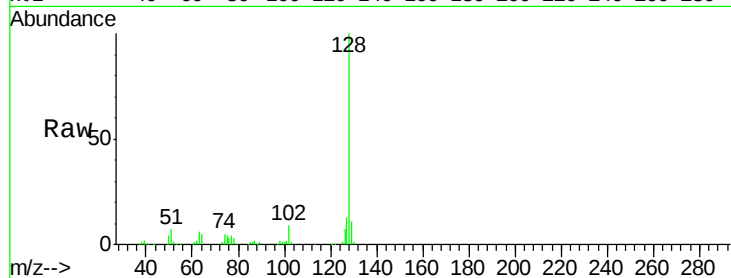
Tgt Ion:128 Resp: 231557

Ion Ratio Lower Upper

128 100

127 12.8 10.6 16.0

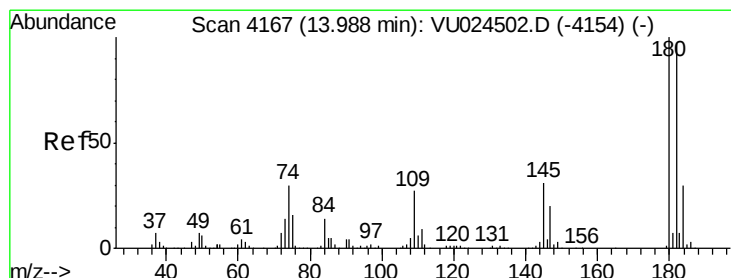
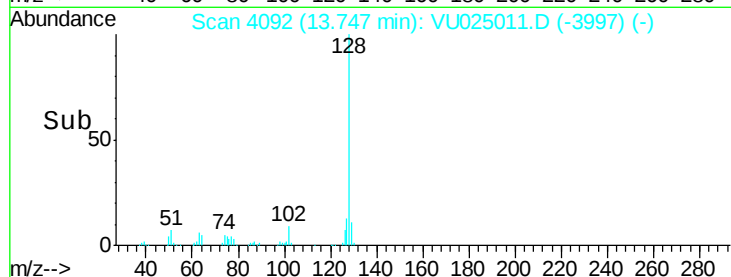
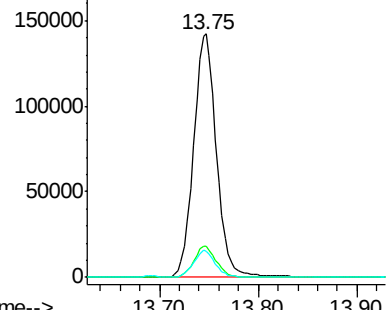
129 10.3 8.6 12.8



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#96

1,2,3-Trichlorobenzene

Concen: 22.336 ug/l

RT: 13.99 min Scan# 4167

Delta R.T. 0.00 min

Lab File: VU025011.D

Acq: 28 Jun 2018 11:24

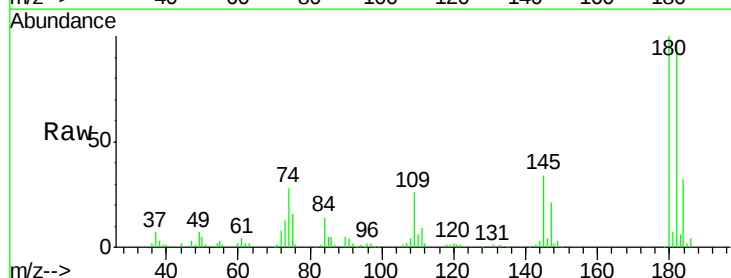
Tgt Ion:180 Resp: 75104

Ion Ratio Lower Upper

180 100

182 96.2 47.9 143.7

145 33.4 15.4 46.1



Abundance Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.90 (144.60 to 145.60): V

