

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU092418\
 Data File : VU027120.D
 Acq On : 24 Sep 2018 19:37
 Operator : MD/SY
 Sample : J4968-08MSD
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 29 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 SA-PZ182I-20180916MSD

Quant Time: Sep 25 01:37:37 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\82U092218W.M
 Quant Title : SW846 8260
 QLast Update : Sat Sep 22 01:31:57 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.98	168	78525	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.89	114	136072	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.09	117	134624	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.48	152	72140	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	5.31	65	84300	53.34	ug/l	0.00
Spiked Amount	50.000		Recovery	=	106.68%	
35) Dibromofluoromethane	4.88	113	58757	49.82	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.64%	
50) Toluene-d8	7.57	98	225355	50.13	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.26%	
62) 4-Bromofluorobenzene	10.31	95	82301	53.36	ug/l	0.00
Spiked Amount	50.000		Recovery	=	106.72%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.21	85	48511	47.316	ug/l	97
3) Chloromethane	1.33	50	81053	45.854	ug/l	100
4) Vinyl Chloride	1.40	62	80329	48.684	ug/l	99
5) Bromomethane	1.62	94	30880	32.865	ug/l	97
6) Chloroethane	1.69	64	51950	49.277	ug/l	98
7) Trichlorofluoromethane	1.88	101	93287	49.779	ug/l	98
8) Diethyl Ether	2.11	74	46364	51.400	ug/l	97
9) 1,1,2-Trichlorotrifluoroet	2.29	101	55923	48.533	ug/l	98
10) Methyl Iodide	2.41	142	37239	26.058	ug/l	100
11) Tert butyl alcohol	2.83	59	91412	252.345	ug/l	99
12) 1,1-Dichloroethene	2.28	96	53443	49.277	ug/l	97
13) Acrolein	2.20	56	44659	228.696	ug/l	99
14) Allyl chloride	2.59	41	124817	56.742	ug/l	94
15) Acrylonitrile	2.94	53	249339	273.096	ug/l	99
16) Acetone	2.32	43	215862	257.633	ug/l	99
17) Carbon Disulfide	2.48	76	169608	48.006	ug/l	99
18) Methyl Acetate	2.62	43	117492	52.231	ug/l	99
19) Methyl tert-butyl Ether	3.00	73	223532	56.087	ug/l	99
20) Methylene Chloride	2.70	84	69252	48.927	ug/l	96
21) trans-1,2-Dichloroethene	2.98	96	59611	51.480	ug/l	99
22) Diisopropyl ether	3.57	45	272943	58.011	ug/l	98
23) Vinyl Acetate	3.53	43	1067712	266.219	ug/l	98
24) 1,1-Dichloroethane	3.45	63	142619	55.037	ug/l	99
25) 2-Butanone	4.26	43	355689	267.800	ug/l	98
26) 2,2-Dichloropropane	4.23	77	95733	47.371	ug/l	100
27) cis-1,2-Dichloroethene	4.23	96	69144	52.875	ug/l	97
28) Bromochloromethane	4.55	49	72928	58.382	ug/l	93
29) Tetrahydrofuran	4.64	42	231571	288.216	ug/l	96
30) Chloroform	4.67	83	125176	52.040	ug/l	99
31) Cyclohexane	5.00	56	125999	53.531	ug/l	98
32) 1,1,1-Trichloroethane	4.92	97	102217	53.224	ug/l	99
36) 1,1-Dichloropropene	5.14	75	92649	51.017	ug/l	99
37) Ethyl Acetate	4.38	43	119135	48.460	ug/l	99
38) Carbon Tetrachloride	5.14	117	86121	49.833	ug/l	99

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 Quant Title : SW846 8260
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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	6.42	83	105214	53.313	ug/l	97
40) Benzene	5.39	78	279343	50.599	ug/l	100
41) Methacrylonitrile	4.54	41	74853	58.627	ug/l	96
42) 1,2-Dichloroethane	5.40	62	108392	51.966	ug/l	99
43) Isopropyl Acetate	5.55	43	191256	53.344	ug/l	99
44) Trichloroethene	6.19	130	59165	50.340	ug/l	96
45) 1,2-Dichloropropane	6.43	63	83864	53.313	ug/l	100
46) Dibromomethane	6.56	93	47796	50.310	ug/l	98
47) Bromodichloromethane	6.76	83	97905	50.965	ug/l	99
48) Methyl methacrylate	6.62	41	102193	52.321	ug/l	99
49) 1,4-Dioxane	6.61	88	35120	906.057	ug/l	99
51) 4-Methyl-2-Pentanone	7.46	43	687363	285.054	ug/l	99
52) Toluene	7.64	92	166679	52.672	ug/l	98
53) t-1,3-Dichloropropene	7.88	75	113316	54.902	ug/l	98
54) cis-1,3-Dichloropropene	7.27	75	117518	51.784	ug/l	99
55) 1,1,2-Trichloroethane	8.07	97	69199	51.608	ug/l	99
56) Ethyl methacrylate	8.02	69	118286	50.805	ug/l	97
57) 1,3-Dichloropropane	8.24	76	133382	53.483	ug/l	99
58) 2-Chloroethyl Vinyl ether	7.27	63	635	5.333	ug/l #	52
59) 2-Hexanone	8.36	43	523067	277.114	ug/l	99
60) Dibromochloromethane	8.48	129	68284	51.917	ug/l	98
61) 1,2-Dibromoethane	8.59	107	71311	51.114	ug/l	100
64) Tetrachloroethene	8.23	164	47815	46.092	ug/l	97
65) Chlorobenzene	9.12	112	172337	48.280	ug/l	99
66) 1,1,1,2-Tetrachloroethane	9.21	131	62340	50.704	ug/l	99
67) Ethyl Benzene	9.25	91	317539	54.098	ug/l	98
68) m/p-Xylenes	9.38	106	234318	98.592	ug/l	99
69) o-Xylene	9.78	106	113404	54.528	ug/l	97
70) Styrene	9.79	104	188001	48.471	ug/l	99
71) Bromoform	9.96	173	49427	51.986	ug/l #	100
73) Isopropylbenzene	10.17	105	304084	55.413	ug/l	100
74) N-amyl acetate	10.01	43	166620	52.455	ug/l	98
75) 1,1,2,2-Tetrachloroethane	10.46	83	123229	48.841	ug/l	100
76) 1,2,3-Trichloropropane	10.49	75	142689	65.107	ug/l	83
77) Bromobenzene	10.45	156	68827	51.325	ug/l	94
78) n-propylbenzene	10.59	91	372281	57.335	ug/l	99
79) 2-Chlorotoluene	10.66	91	218123	53.481	ug/l	99
80) 1,3,5-Trimethylbenzene	10.77	105	253647	55.994	ug/l	100
81) trans-1,4-Dichloro-2-buten	10.49	75	142689	208.355	ug/l #	100
82) 4-Chlorotoluene	10.77	91	251773	55.054	ug/l	98
83) tert-Butylbenzene	11.10	119	244631	54.623	ug/l	99
84) 1,2,4-Trimethylbenzene	11.15	105	261660	56.759	ug/l	98
85) sec-Butylbenzene	11.32	105	311115	56.909	ug/l	100
86) p-Isopropyltoluene	11.48	119	261255	50.912	ug/l	99
87) 1,3-Dichlorobenzene	11.42	146	127311	51.017	ug/l	99
88) 1,4-Dichlorobenzene	11.51	146	129579	47.644	ug/l	100
89) n-Butylbenzene	11.89	91	245469	49.394	ug/l	100
90) Hexachloroethane	12.14	117	48996	49.285	ug/l	98
91) 1,2-Dichlorobenzene	11.88	146	127915	48.256	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	12.66	75	27342	53.121	ug/l	98

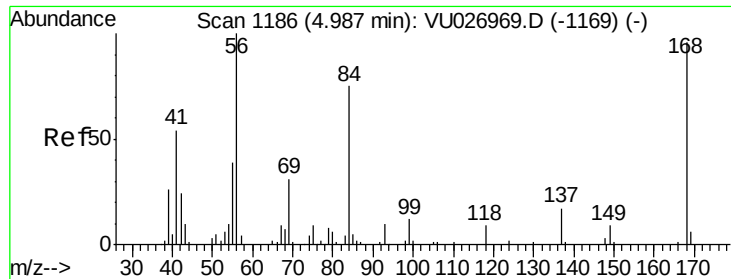
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_U\DATA\VU092418\
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Quant Title : SW846 8260
QLast Update : Sat Sep 22 01:31:57 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.50	180	84226	55.138	ug/l	99
94) Hexachlorobutadiene	13.69	225	40025	49.520	ug/l	99
95) Naphthalene	13.74	128	306420	51.261	ug/l	100
96) 1,2,3-Trichlorobenzene	13.99	180	88146	53.809	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 4.98 min Scan# 1185

Delta R.T. -0.00 min

Lab File: VU027120.D

Acq: 24 Sep 2018 19:37

Instrument :

MSVOA_U

ClientSampleId :

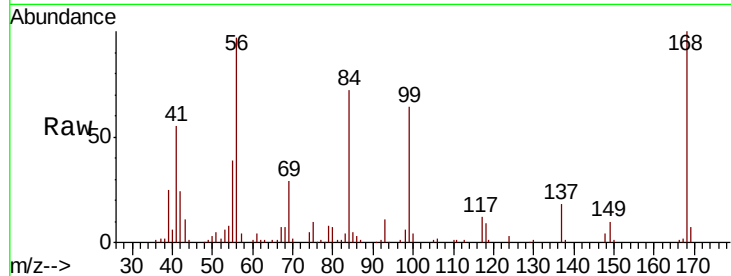
SA-PZ182I-20180916MSD

Tgt Ion:168 Resp: 78525

Ion Ratio Lower Upper

168 100

99 62.4 48.1 72.1

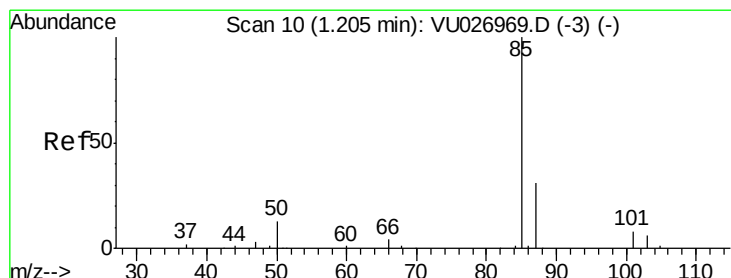
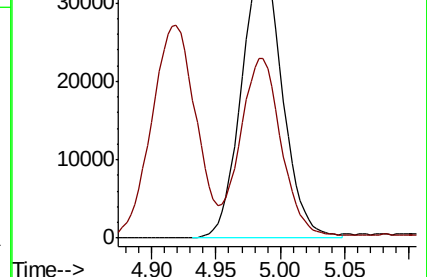
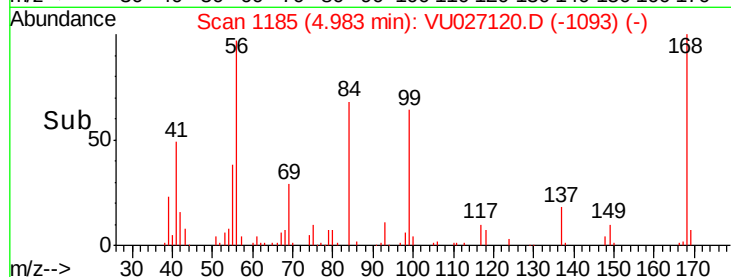


Abundance Ion 167.90 (167.60 to 168.60): VU026969.D (-1169) (-)

Ion 98.90 (98.60 to 99.60): VU026969.D (-1169) (-)

4.98

Time-->



#2

Dichlorodifluoromethane

Concen: 47.316 ug/l

RT: 1.21 min Scan# 10

Delta R.T. 0.00 min

Lab File: VU027120.D

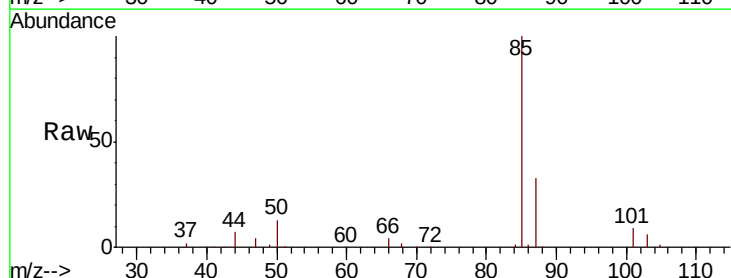
Acq: 24 Sep 2018 19:37

Tgt Ion: 85 Resp: 48511

Ion Ratio Lower Upper

85 100

87 32.7 15.6 46.7

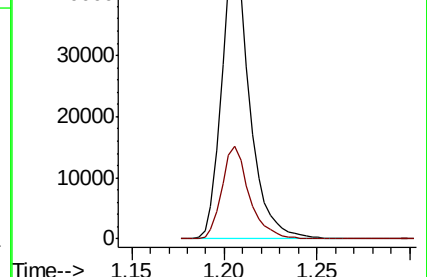
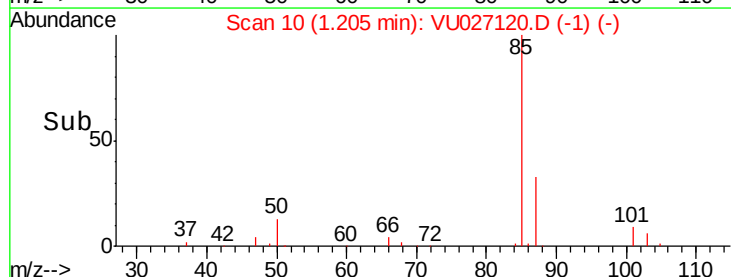


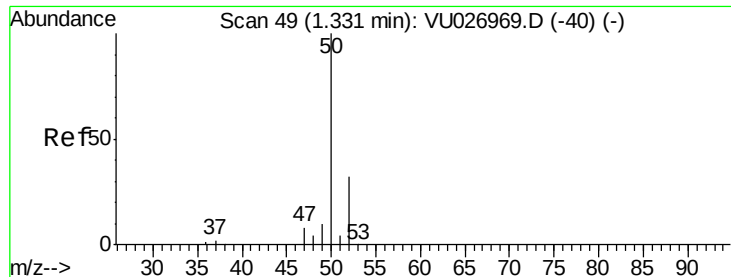
Abundance Ion 84.90 (84.60 to 85.60): VU026969.D (-3) (-)

Ion 86.90 (86.60 to 87.60): VU026969.D (-3) (-)

1.21

Time-->





#3

Chloromethane

Concen: 45.854 ug/l

RT: 1.33 min Scan# 49

Delta R.T. 0.00 min

Lab File: VU027120.D

Acq: 24 Sep 2018 19:37

Instrument :

MSVOA_U

ClientSampleId :

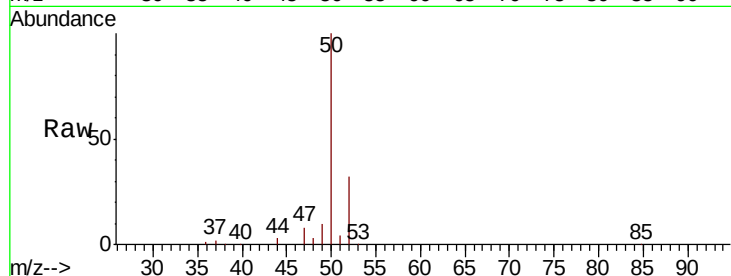
SA-PZ182I-20180916MSD

Tgt Ion: 50 Resp: 81053

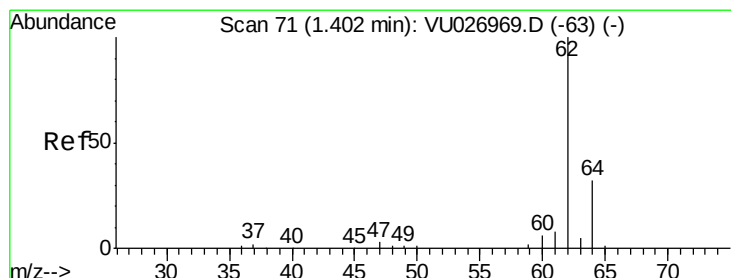
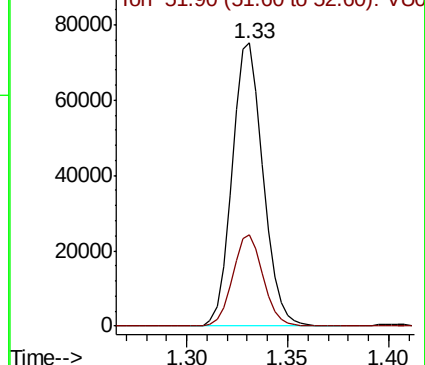
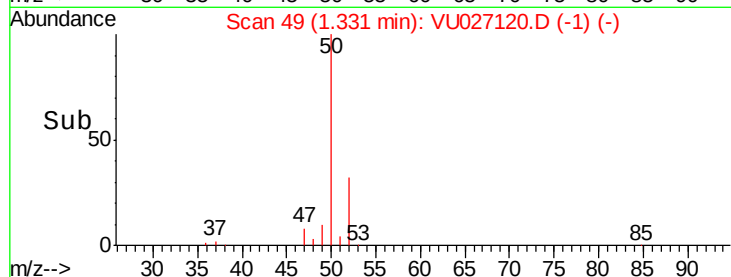
Ion Ratio Lower Upper

50 100

52 32.4 25.9 38.9



Abundance Ion 49.90 (49.60 to 50.60): VU027120.D (-1) (-)



#4

Vinyl Chloride

Concen: 48.684 ug/l

RT: 1.40 min Scan# 71

Delta R.T. 0.00 min

Lab File: VU027120.D

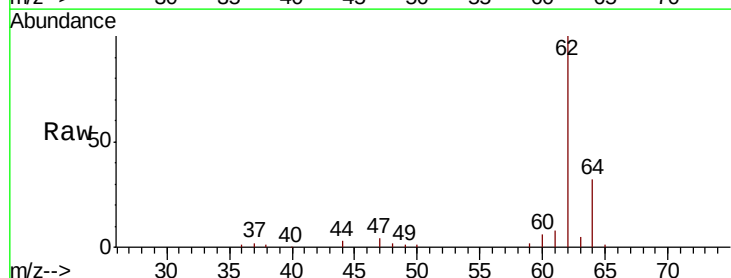
Acq: 24 Sep 2018 19:37

Tgt Ion: 62 Resp: 80329

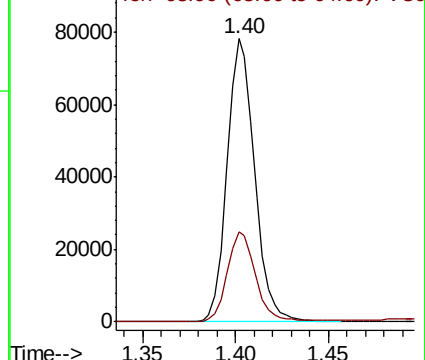
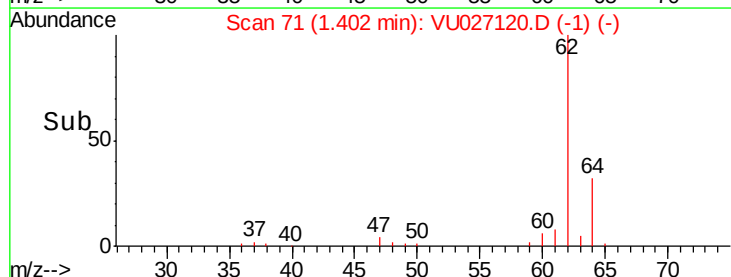
Ion Ratio Lower Upper

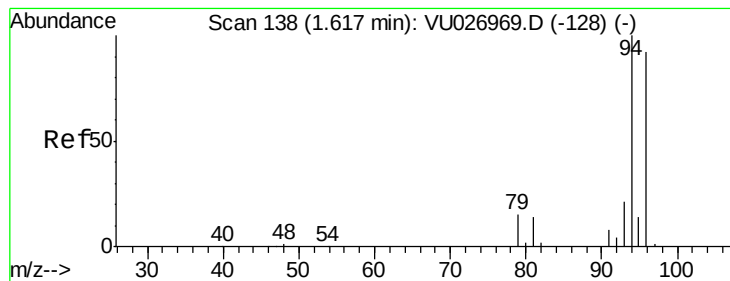
62 100

64 31.6 25.5 38.3



Abundance Ion 61.90 (61.60 to 62.60): VU027120.D (-1) (-)





#5

Bromomethane

Concen: 32.865 ug/l

RT: 1.62 min Scan# 138

Delta R.T. 0.00 min

Lab File: VU027120.D

Acq: 24 Sep 2018 19:37

Instrument :

MSVOA_U

ClientSampleId :

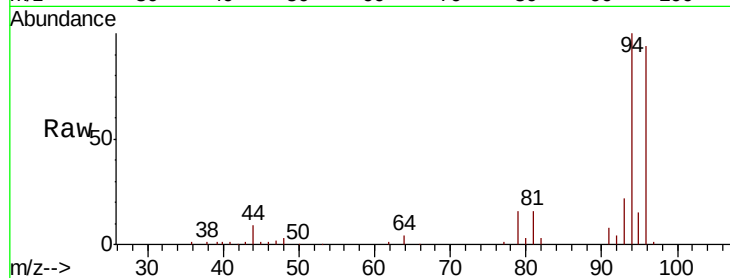
SA-PZ182I-20180916MSD

Tgt Ion: 94 Resp: 30880

Ion Ratio Lower Upper

94 100

96 93.9 73.2 109.8



Abundance Ion 93.90 (93.60 to 94.60): VU027120.D (-94) (-)

Ion 95.90 (95.60 to 96.60): VU027120.D (-96) (-)

1.62

25000

20000

15000

10000

5000

0

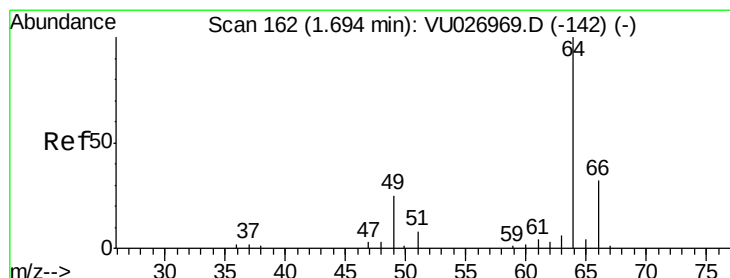
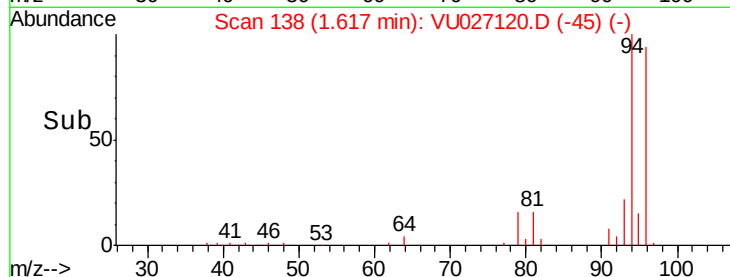
Time-->

1.55

1.60

1.65

1.70



#6

Chloroethane

Concen: 49.277 ug/l

RT: 1.69 min Scan# 162

Delta R.T. 0.00 min

Lab File: VU027120.D

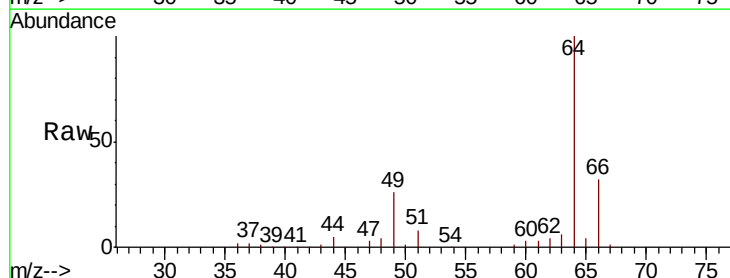
Acq: 24 Sep 2018 19:37

Tgt Ion: 64 Resp: 51950

Ion Ratio Lower Upper

64 100

66 32.8 25.3 37.9



Abundance Ion 63.90 (63.60 to 64.60): VU027120.D (-64) (-)

Ion 65.90 (65.60 to 66.60): VU027120.D (-66) (-)

1.69

40000

30000

20000

10000

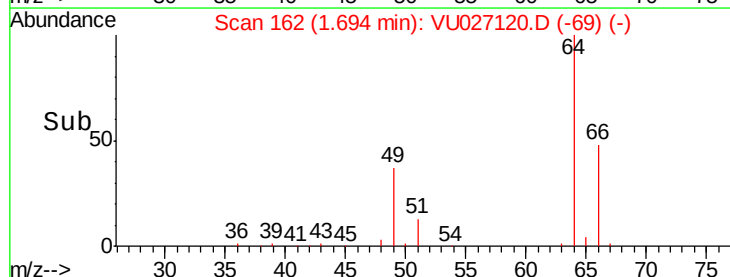
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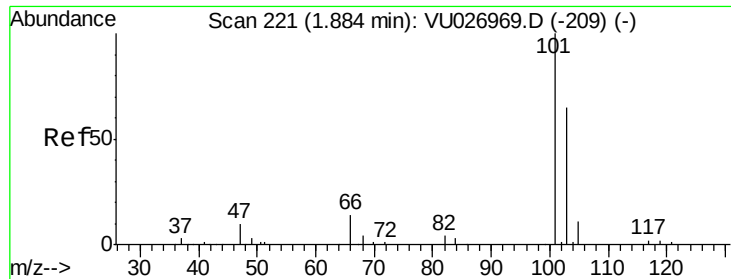
Time-->

1.65

1.70

1.75



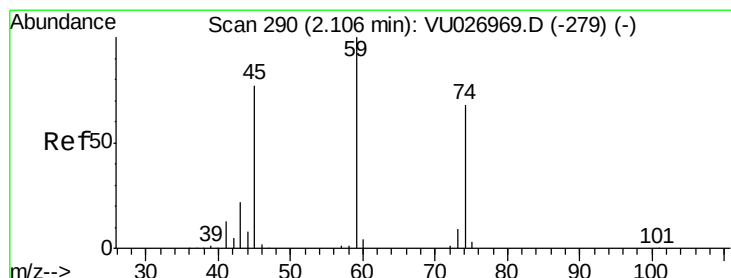
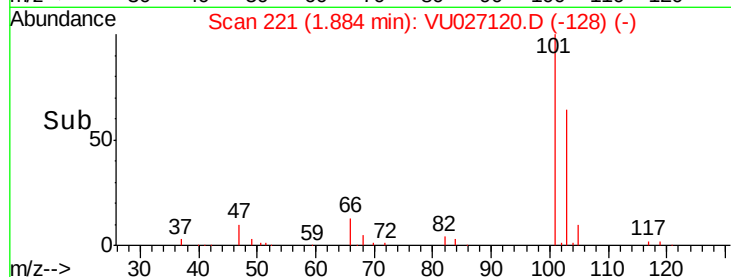
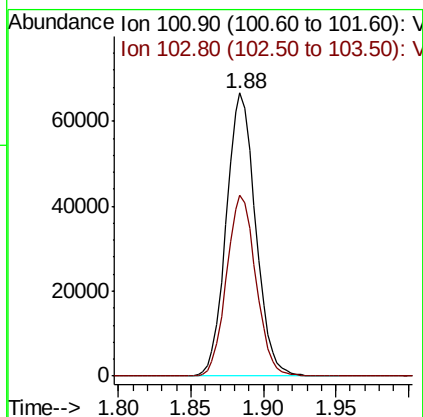
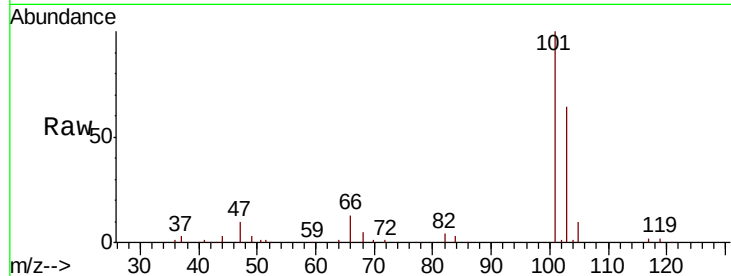


#7

Trichlorofluoromethane
 Concen: 49.779 ug/l
 RT: 1.88 min Scan# 221
 Delta R.T. 0.00 min
 Lab File: VU027120.D
 Acq: 24 Sep 2018 19:37

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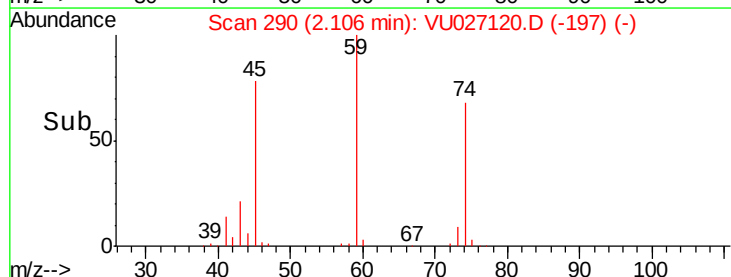
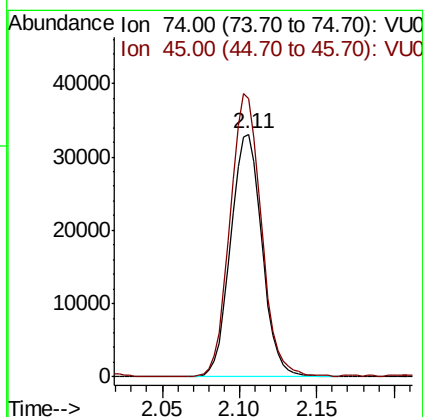
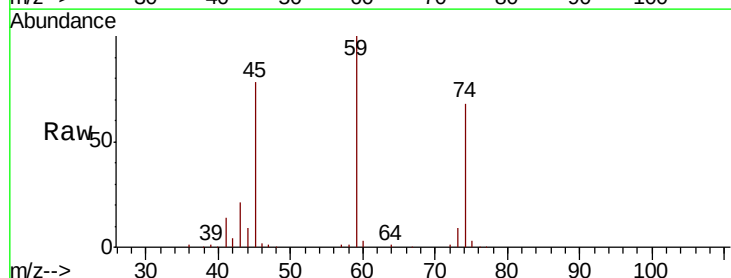
Tgt Ion: 101 Resp: 93287
 Ion Ratio Lower Upper
 101 100
 103 63.8 52.2 78.2

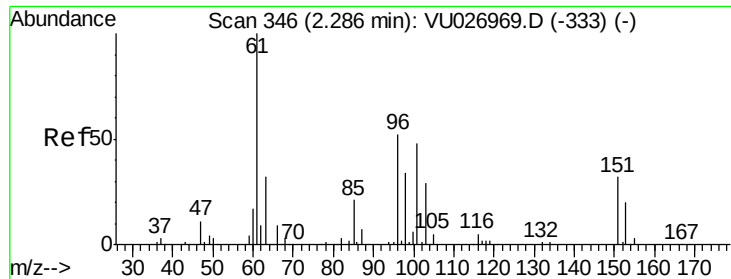


#8

Diethyl Ether
 Concen: 51.400 ug/l
 RT: 2.11 min Scan# 290
 Delta R.T. 0.00 min
 Lab File: VU027120.D
 Acq: 24 Sep 2018 19:37

Tgt Ion: 74 Resp: 46364
 Ion Ratio Lower Upper
 74 100
 45 116.9 56.9 170.7





#9

1,1,2-Trichlorotrifluoroethane

Concen: 48.533 ug/l

RT: 2.29 min Scan# 346

Delta R.T. 0.00 min

Lab File: VU027120.D

Acq: 24 Sep 2018 19:37

Instrument :

MSVOA_U

ClientSampleId :

SA-PZ182I-20180916MSD

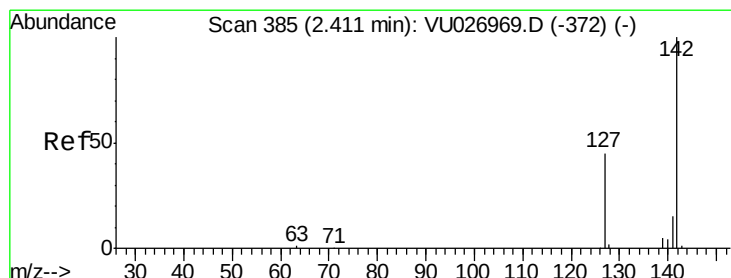
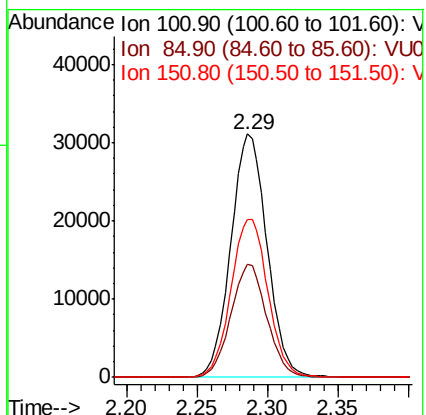
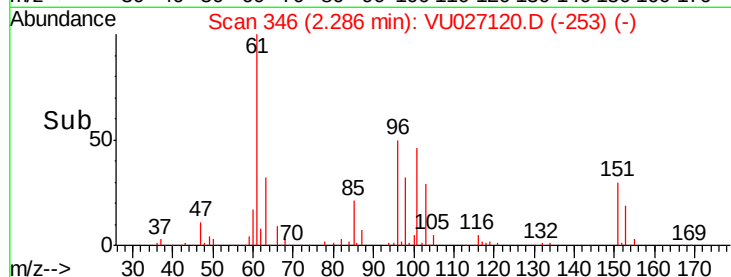
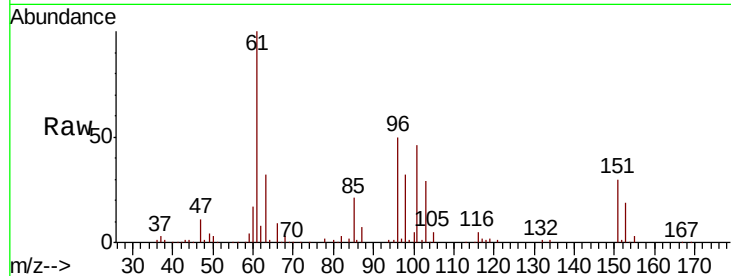
Tgt Ion:101 Resp: 55923

Ion Ratio Lower Upper

101 100

85 46.0 36.2 54.2

151 66.2 54.5 81.7



#10

Methyl Iodide

Concen: 26.058 ug/l

RT: 2.41 min Scan# 385

Delta R.T. 0.00 min

Lab File: VU027120.D

Acq: 24 Sep 2018 19:37

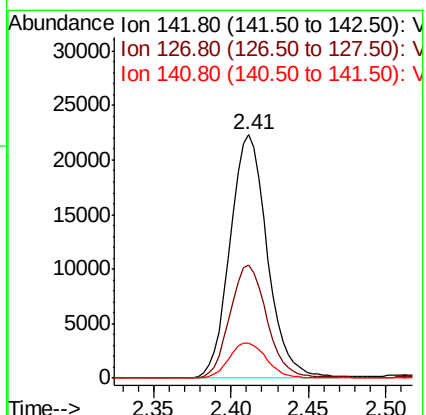
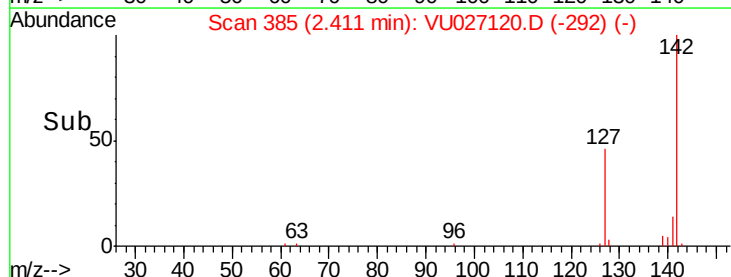
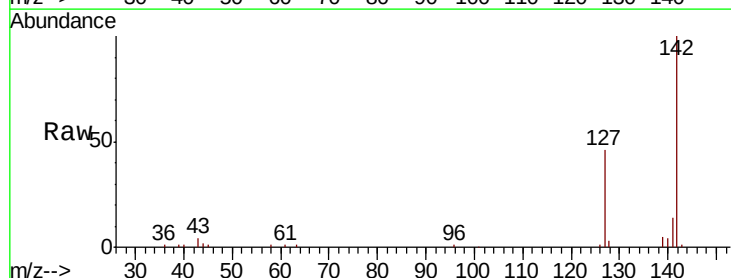
Tgt Ion:142 Resp: 37239

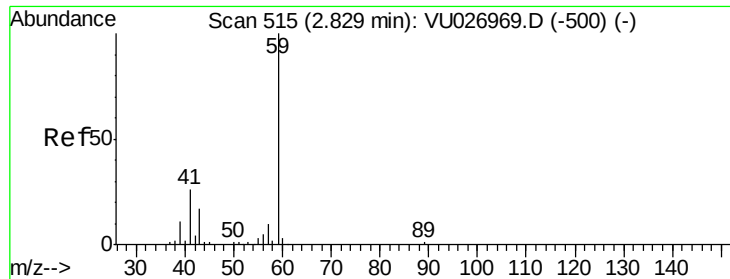
Ion Ratio Lower Upper

142 100

127 45.9 36.7 55.1

141 14.4 11.8 17.6



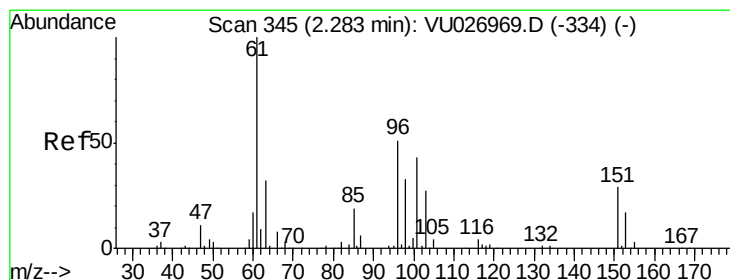
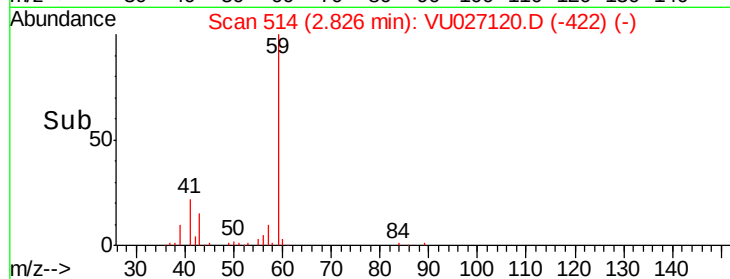
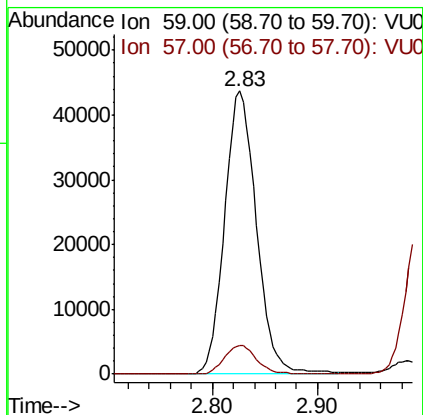
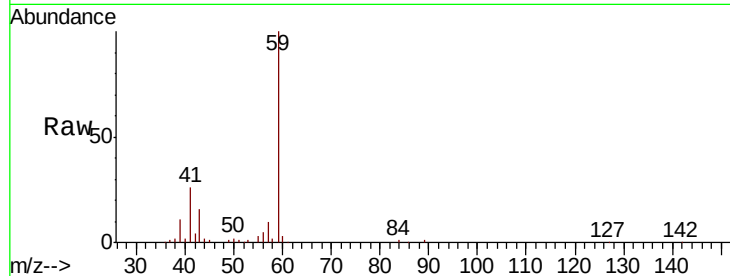


#11

Tert butyl alcohol
 Concen: 252.345 ug/l
 RT: 2.83 min Scan# 514
 Delta R.T. -0.00 min
 Lab File: VU027120.D
 Acq: 24 Sep 2018 19:37

Instrument :
 MSVOA_U
 ClientSampleId :
 SA-PZ182I-20180916MSD

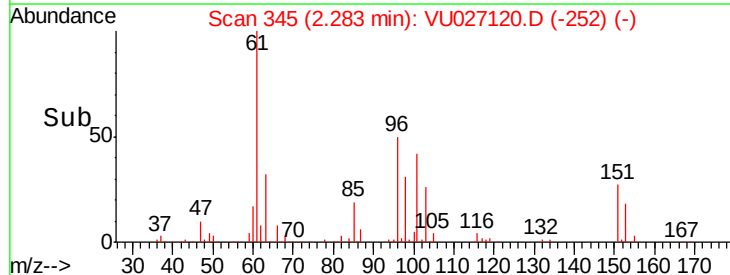
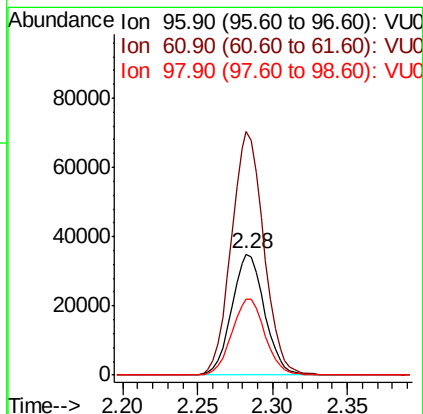
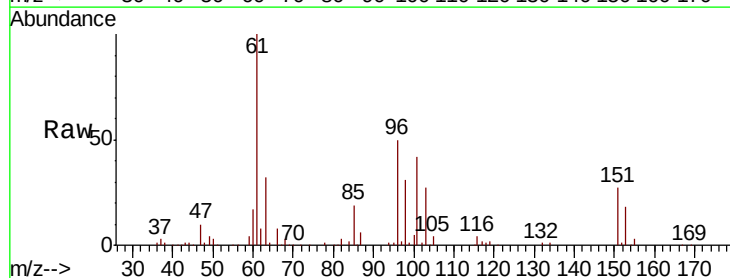
Tgt Ion: 59 Resp: 91412
 Ion Ratio Lower Upper
 59 100
 57 10.1 8.5 12.7

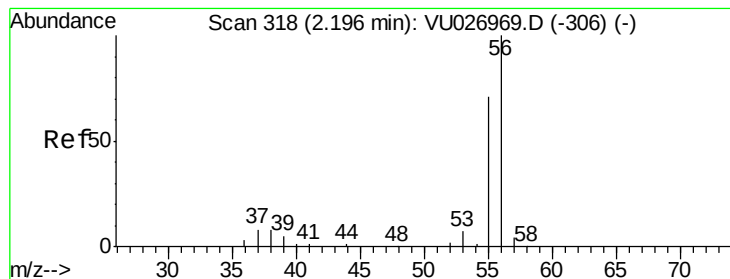


#12

1,1-Dichloroethene
 Concen: 49.277 ug/l
 RT: 2.28 min Scan# 345
 Delta R.T. 0.00 min
 Lab File: VU027120.D
 Acq: 24 Sep 2018 19:37

Tgt Ion: 96 Resp: 53443
 Ion Ratio Lower Upper
 96 100
 61 200.7 156.1 234.1
 98 63.1 51.4 77.0





#13

Acrolein

Concen: 228.696 ug/l

RT: 2.20 min Scan# 318

Delta R.T. 0.00 min

Lab File: VU027120.D

Acq: 24 Sep 2018 19:37

Instrument :

MSVOA_U

ClientSampleId :

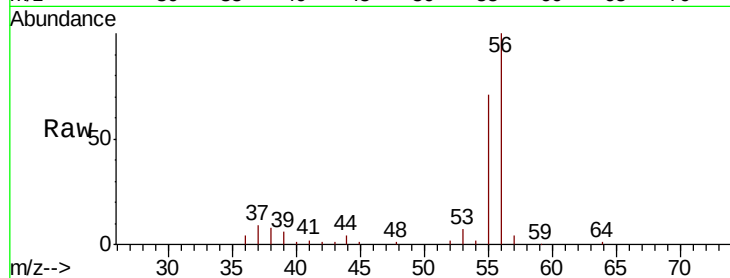
SA-PZ182I-20180916MSD

Tgt Ion: 56 Resp: 44659

Ion Ratio Lower Upper

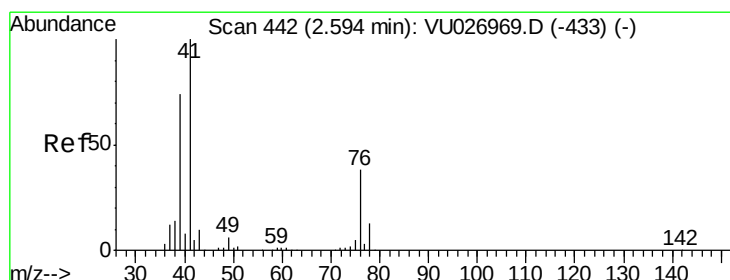
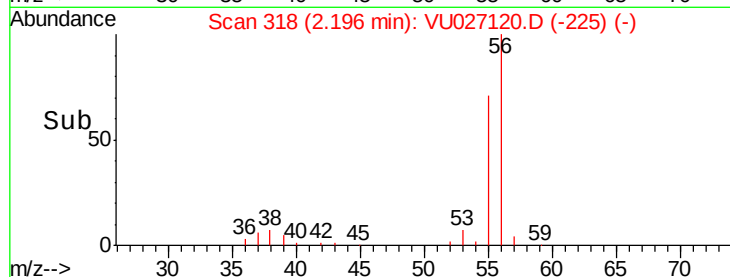
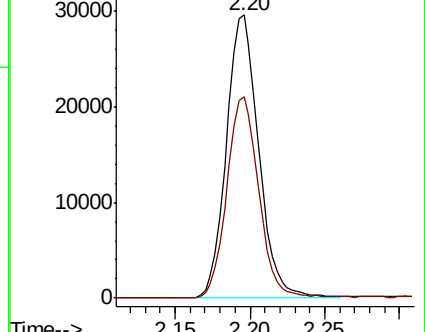
56 100

55 70.5 57.1 85.7



Abundance Ion 56.00 (55.70 to 56.70): VU026969.D (-306) (-)

Ion 55.00 (54.70 to 55.70): VU027120.D (-225) (-)



#14

Allyl chloride

Concen: 56.742 ug/l

RT: 2.59 min Scan# 441

Delta R.T. -0.00 min

Lab File: VU027120.D

Acq: 24 Sep 2018 19:37

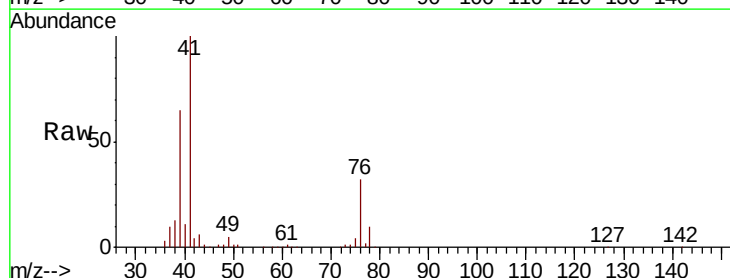
Tgt Ion: 41 Resp: 124817

Ion Ratio Lower Upper

41 100

39 63.6 55.7 83.5

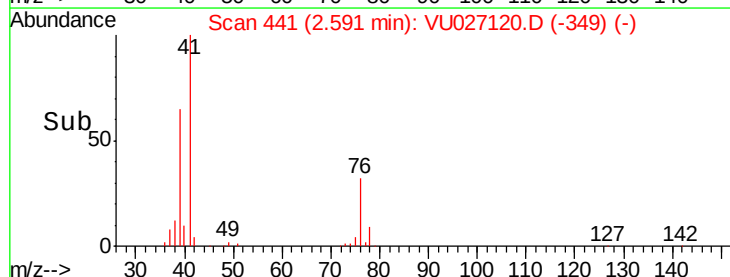
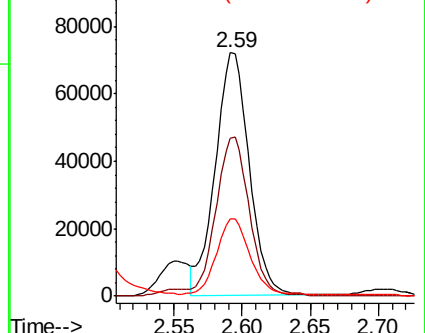
76 31.0 26.5 39.7

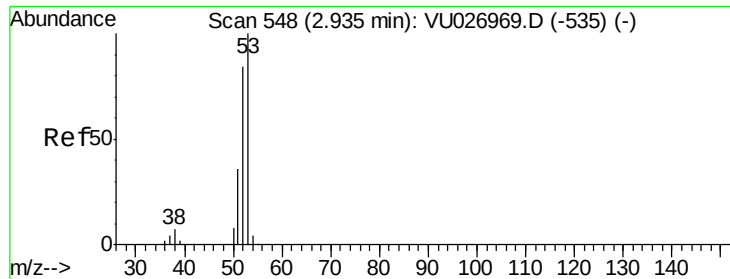


Abundance Ion 41.00 (40.70 to 41.70): VU026969.D (-433) (-)

Ion 39.00 (38.70 to 39.70): VU027120.D (-349) (-)

Ion 75.90 (75.60 to 76.60): VU027120.D (-349) (-)





#15

Acrylonitrile

Concen: 273.096 ug/l

RT: 2.94 min Scan# 548

Delta R.T. 0.00 min

Lab File: VU027120.D

Acq: 24 Sep 2018 19:37

Instrument :

MSVOA_U

ClientSampleId :

SA-PZ182I-20180916MSD

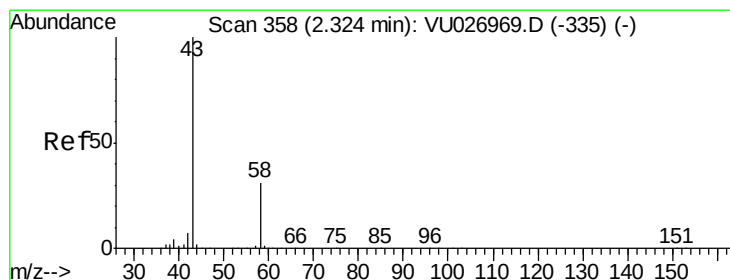
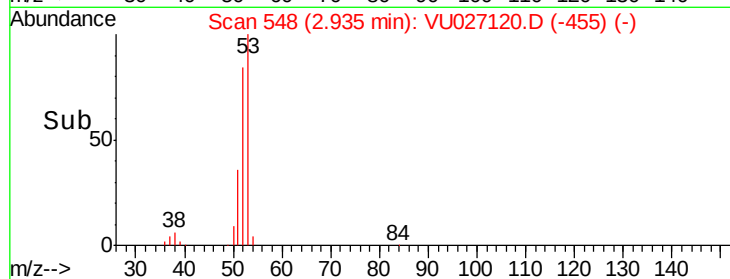
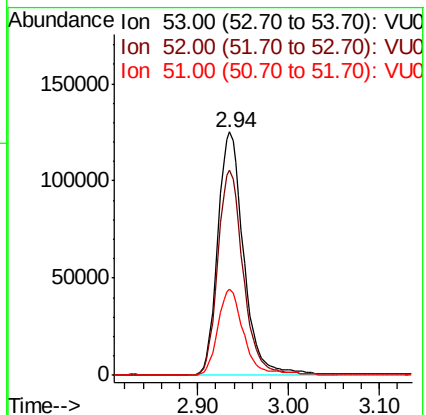
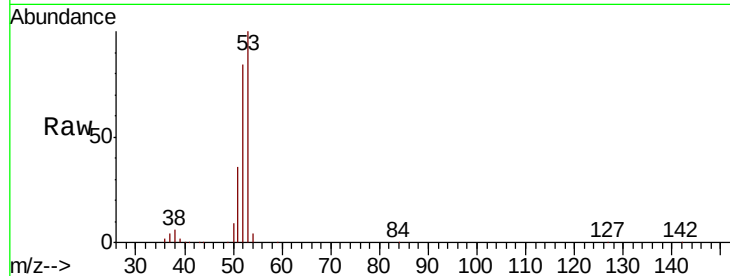
Tgt Ion: 53 Resp: 249339

Ion Ratio Lower Upper

53 100

52 82.6 65.7 98.5

51 35.7 27.4 41.2



#16

Acetone

Concen: 257.633 ug/l

RT: 2.32 min Scan# 357

Delta R.T. -0.00 min

Lab File: VU027120.D

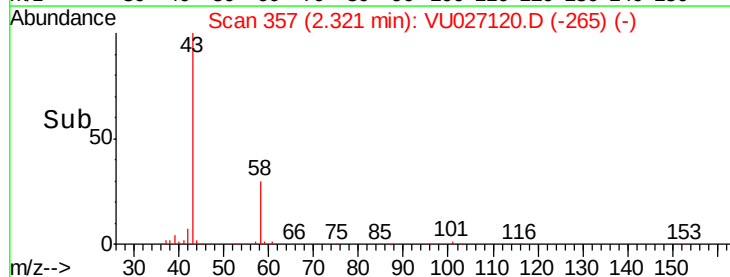
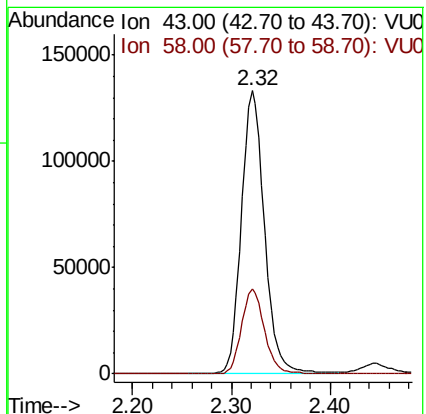
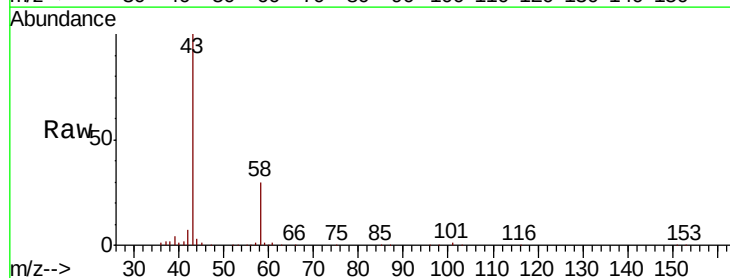
Acq: 24 Sep 2018 19:37

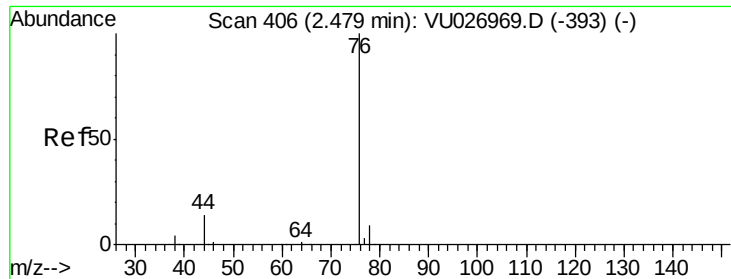
Tgt Ion: 43 Resp: 215862

Ion Ratio Lower Upper

43 100

58 30.0 24.6 36.8

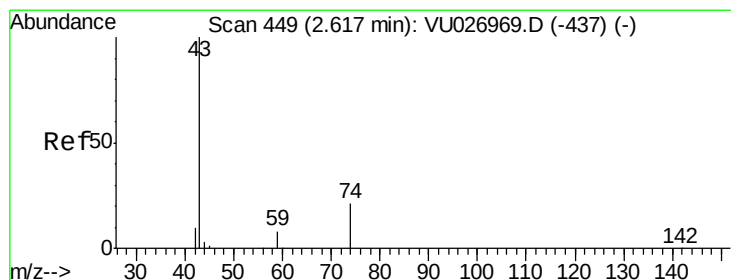
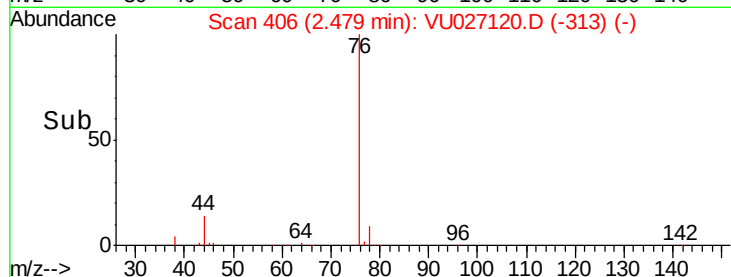
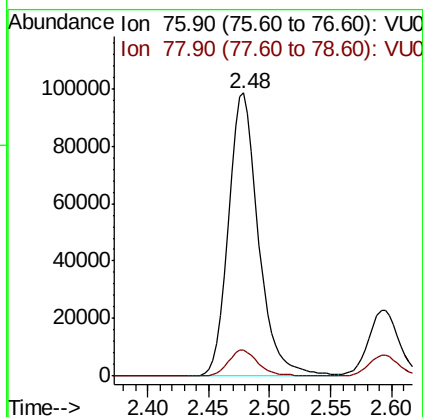
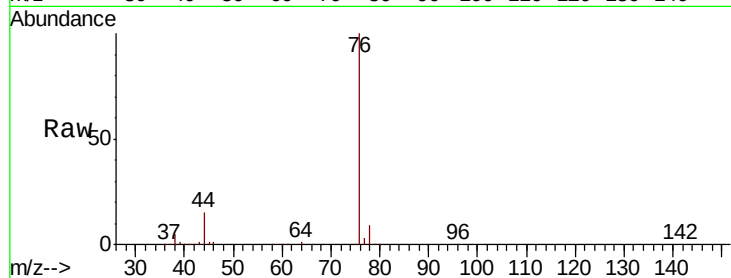




#17
Carbon Disulfide
Concen: 48.006 ug/l
RT: 2.48 min Scan# 406
Delta R.T. 0.00 min
Lab File: VU027120.D
Acq: 24 Sep 2018 19:37

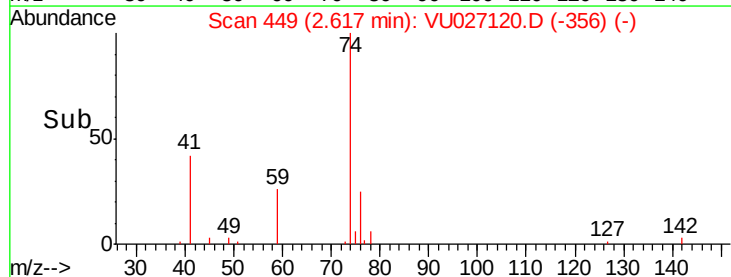
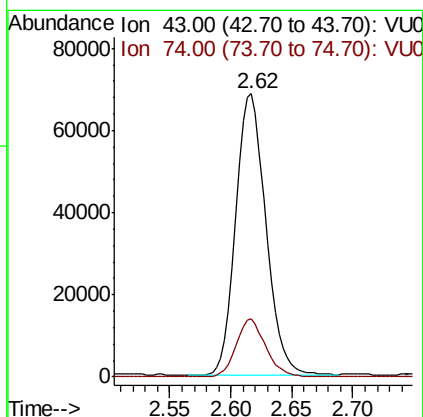
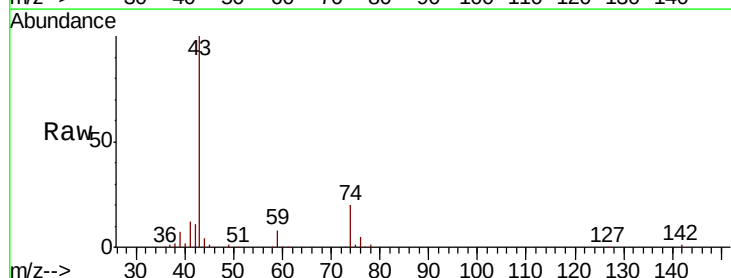
Instrument :
MSVOA_U
ClientSampleId :
SA-PZ182I-20180916MSD

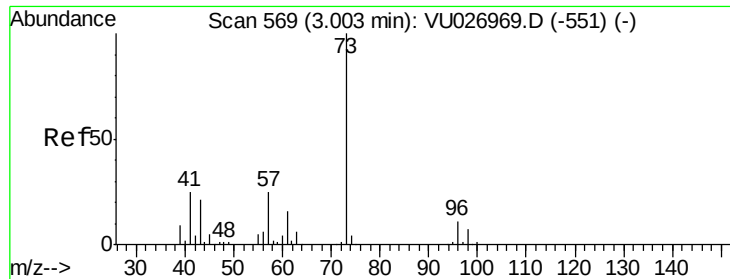
Tgt Ion: 76 Resp: 169608
Ion Ratio Lower Upper
76 100
78 9.2 7.1 10.7



#18
Methyl Acetate
Concen: 52.231 ug/l
RT: 2.62 min Scan# 449
Delta R.T. 0.00 min
Lab File: VU027120.D
Acq: 24 Sep 2018 19:37

Tgt Ion: 43 Resp: 117492
Ion Ratio Lower Upper
43 100
74 20.1 16.6 25.0

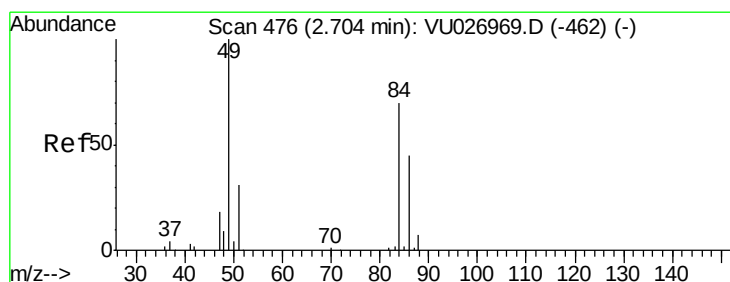
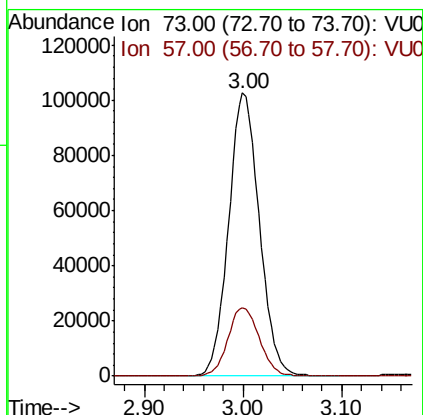
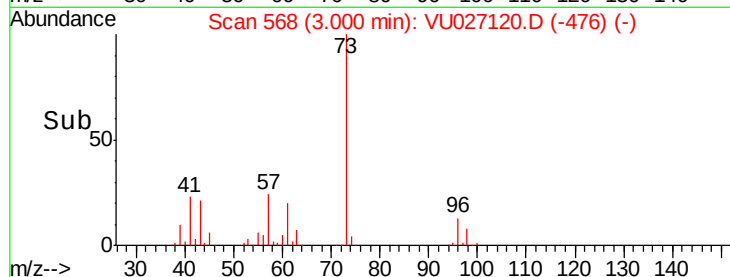
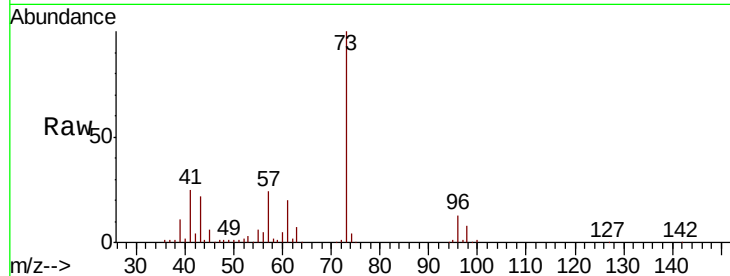




#19
Methyl tert-butyl Ether
Concen: 56.087 ug/l
RT: 3.00 min Scan# 568
Delta R.T. -0.00 min
Lab File: VU027120.D
Acq: 24 Sep 2018 19:37

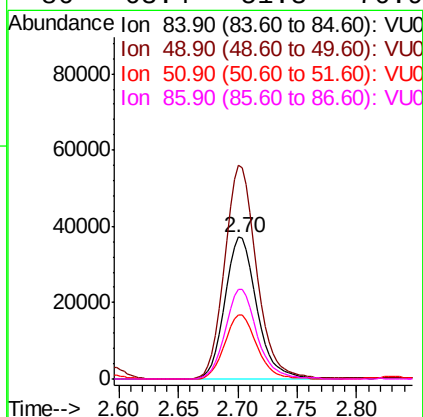
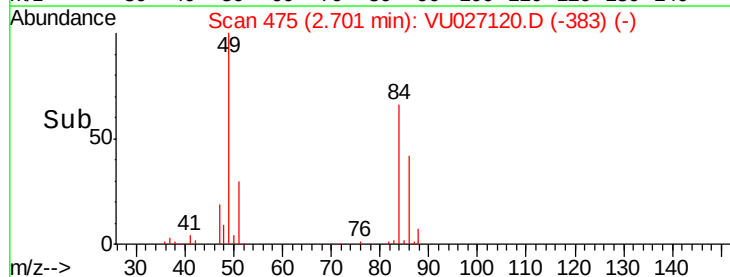
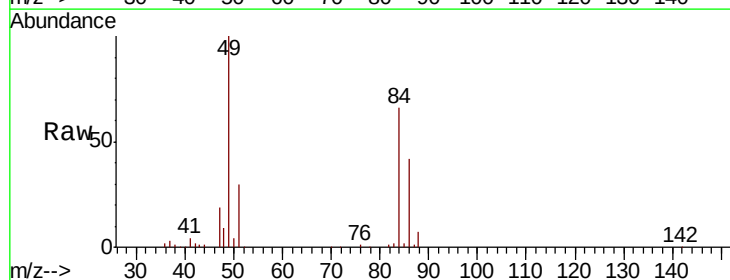
Instrument :
MSVOA_U
ClientSampleId :
SA-PZ182I-20180916MSD

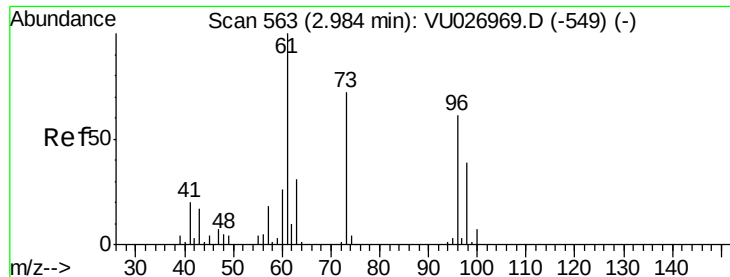
Tgt Ion: 73 Resp: 223532
Ion Ratio Lower Upper
73 100
57 24.2 19.8 29.6



#20
Methylene Chloride
Concen: 48.927 ug/l
RT: 2.70 min Scan# 475
Delta R.T. -0.00 min
Lab File: VU027120.D
Acq: 24 Sep 2018 19:37

Tgt Ion: 84 Resp: 69252
Ion Ratio Lower Upper
84 100
49 150.9 114.9 172.3
51 45.3 35.8 53.8
86 63.4 51.3 76.9





#21

trans-1,2-Dichloroethene

Concen: 51.480 ug/l

RT: 2.98 min Scan# 563

Delta R.T. 0.00 min

Lab File: VU027120.D

Acq: 24 Sep 2018 19:37

Instrument :

MSVOA_U

ClientSampleId :

SA-PZ182I-20180916MSD

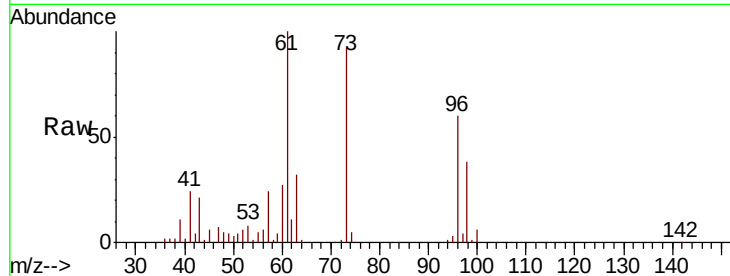
Tgt Ion: 96 Resp: 59611

Ion Ratio Lower Upper

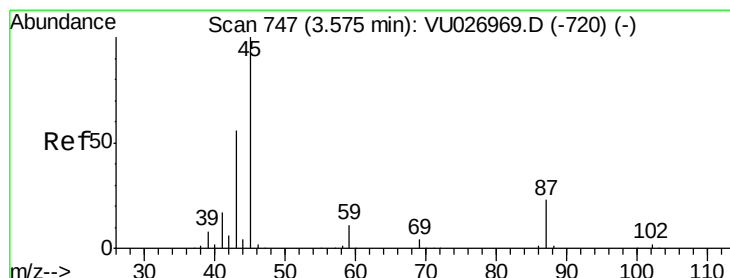
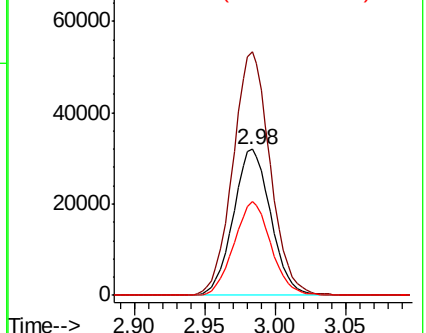
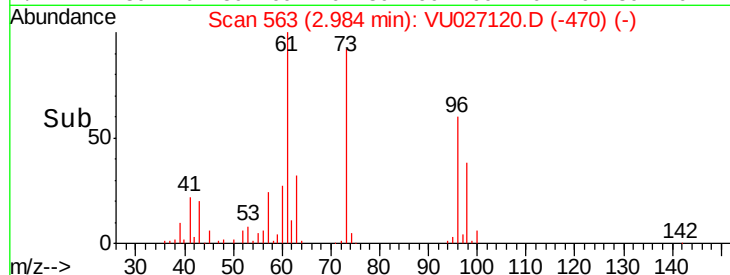
96 100

61 167.1 131.8 197.6

98 64.1 50.9 76.3



Abundance Ion 95.90 (95.60 to 96.60): VU027120.D (-470) (-)



#22

Diisopropyl ether

Concen: 58.011 ug/l

RT: 3.57 min Scan# 746

Delta R.T. -0.00 min

Lab File: VU027120.D

Acq: 24 Sep 2018 19:37

Tgt Ion: 45 Resp: 272943

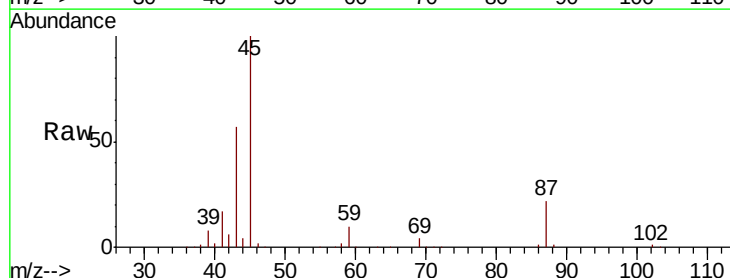
Ion Ratio Lower Upper

45 100

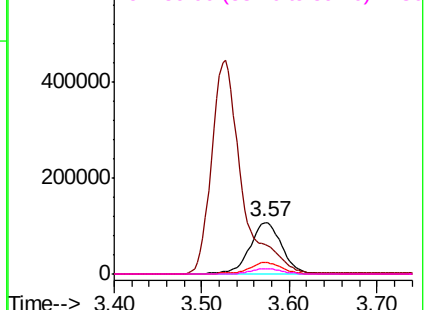
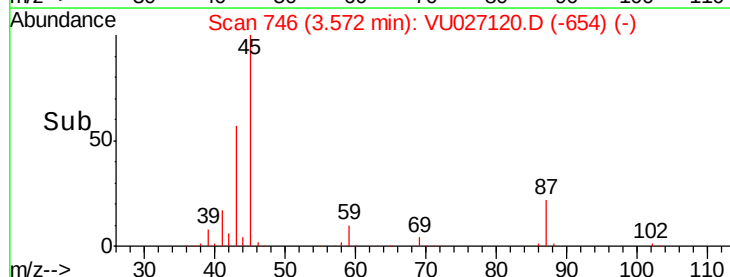
43 55.8 45.8 68.6

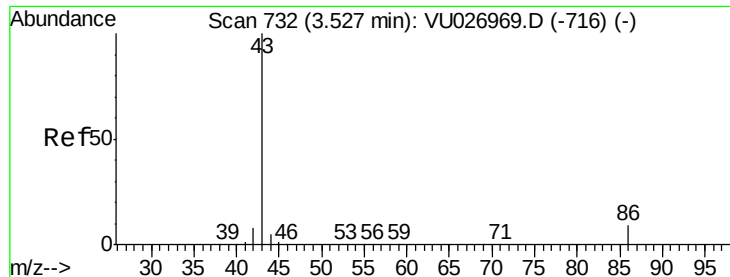
87 22.2 18.6 28.0

59 10.4 9.0 13.4



Abundance Ion 45.00 (44.70 to 45.70): VU027120.D (-654) (-)





#23

Vinyl Acetate

Concen: 266.219 ug/l

RT: 3.53 min Scan# 732

Delta R.T. 0.00 min

Lab File: VU027120.D

Acq: 24 Sep 2018 19:37

Instrument :

MSVOA_U

ClientSampleId :

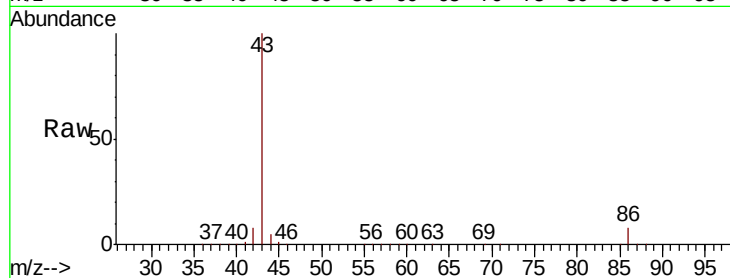
SA-PZ182I-20180916MSD

Tgt Ion: 43 Resp: 1067712

Ion Ratio Lower Upper

43 100

86 8.4 7.2 10.8



Abundance Ion 43.00 (42.70 to 43.70): VU026969.D (-716) (-)

Ion 86.00 (85.70 to 86.70): VU026969.D (-716) (-)

3.53

400000

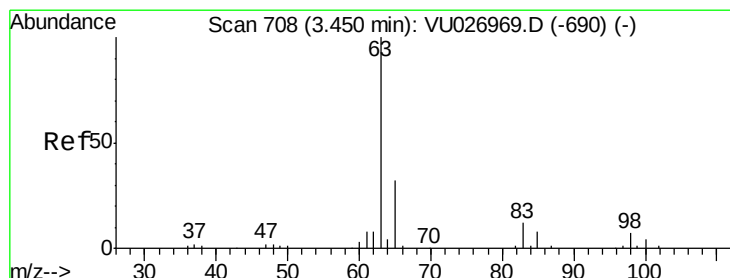
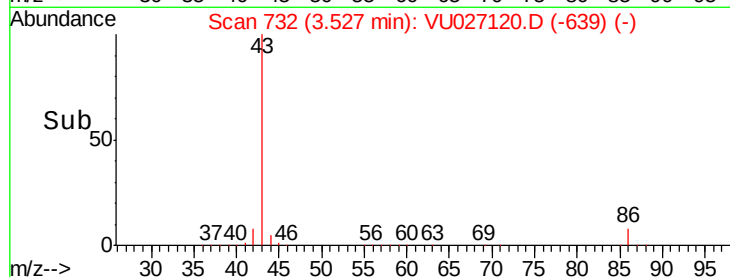
300000

200000

100000

0

Time-->



#24

1,1-Dichloroethane

Concen: 55.037 ug/l

RT: 3.45 min Scan# 707

Delta R.T. -0.00 min

Lab File: VU027120.D

Acq: 24 Sep 2018 19:37

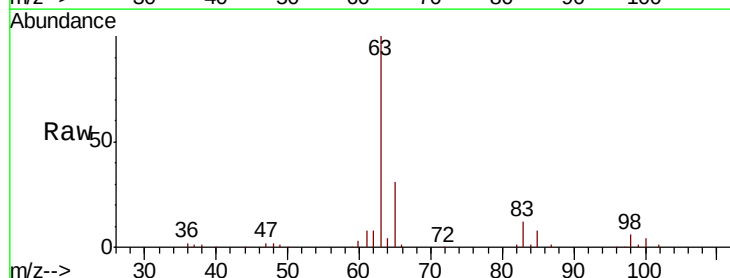
Tgt Ion: 63 Resp: 142619

Ion Ratio Lower Upper

63 100

98 5.9 3.3 9.8

100 3.9 2.0 5.8



Abundance Ion 62.90 (62.60 to 63.60): VU026969.D (-690) (-)

Ion 97.90 (97.60 to 98.60): VU026969.D (-690) (-)

Ion 99.90 (99.60 to 100.60): VU026969.D (-690) (-)

3.45

80000

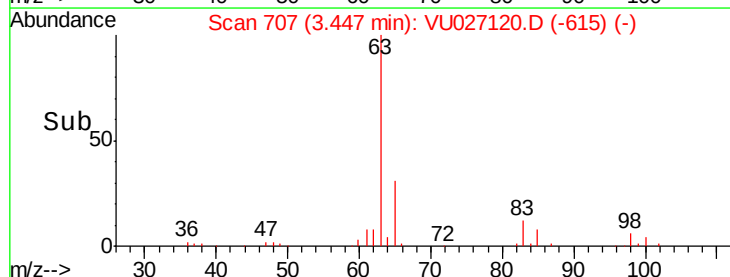
60000

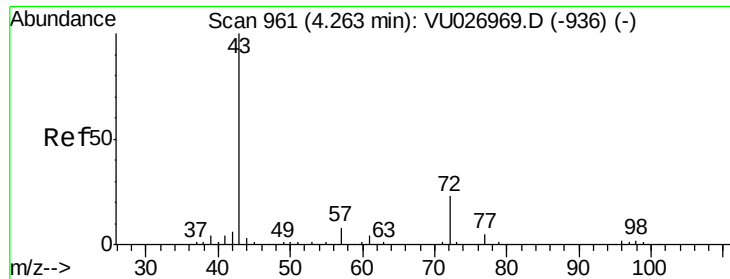
40000

20000

0

Time-->





#25

2-Butanone

Concen: 267.800 ug/l

RT: 4.26 min Scan# 961

Delta R.T. 0.00 min

Lab File: VU027120.D

Acq: 24 Sep 2018 19:37

Instrument :

MSVOA_U

ClientSampleId :

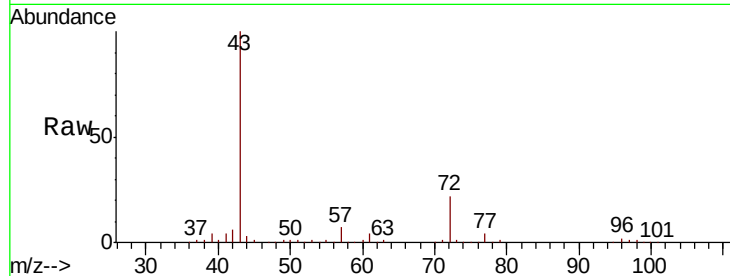
SA-PZ182I-20180916MSD

Tgt Ion: 43 Resp: 355689

Ion Ratio Lower Upper

43 100

72 21.9 18.4 27.6



Abundance Ion 43.00 (42.70 to 43.70): VU026969.D (-936) (-)

Ion 72.00 (71.70 to 72.70): VU026969.D (-936) (-)

4.26

150000

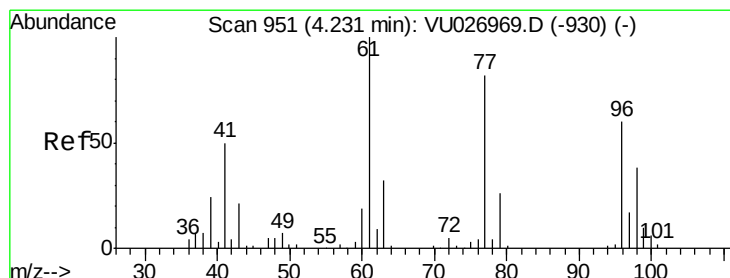
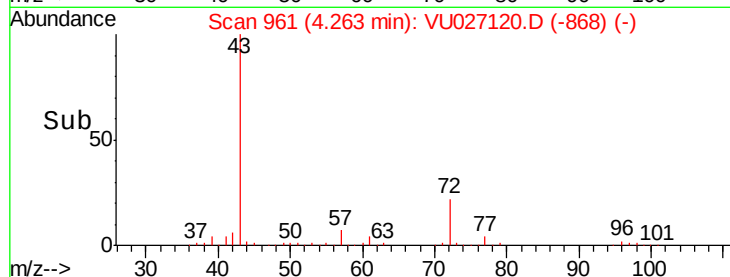
100000

50000

0

4.10 4.20 4.30

Time-->



#26

2,2-Dichloropropane

Concen: 47.371 ug/l

RT: 4.23 min Scan# 950

Delta R.T. -0.00 min

Lab File: VU027120.D

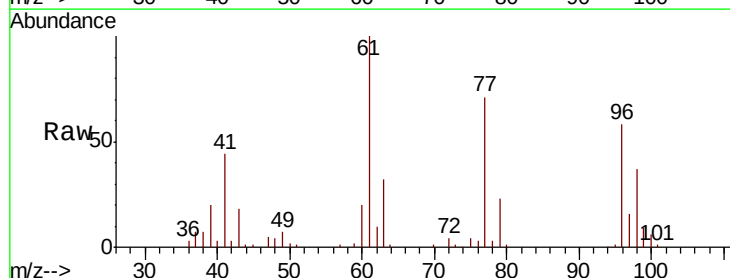
Acq: 24 Sep 2018 19:37

Tgt Ion: 77 Resp: 95733

Ion Ratio Lower Upper

77 100

97 20.8 10.5 31.5



Abundance Ion 76.90 (76.60 to 77.60): VU026969.D (-930) (-)

Ion 96.90 (96.60 to 97.60): VU026969.D (-930) (-)

4.23

40000

30000

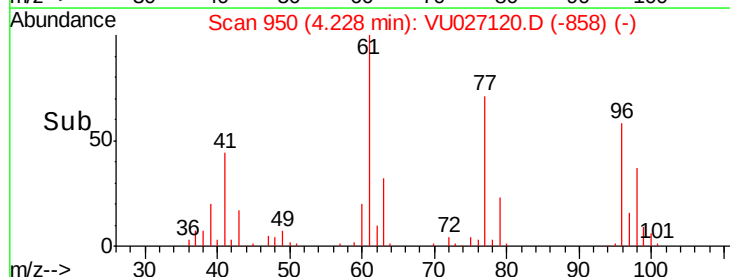
20000

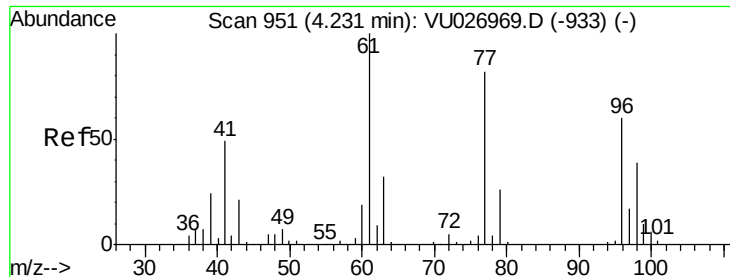
10000

0

4.10 4.20 4.30

Time-->



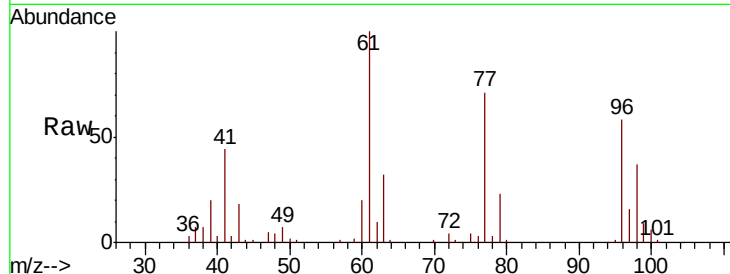


#27

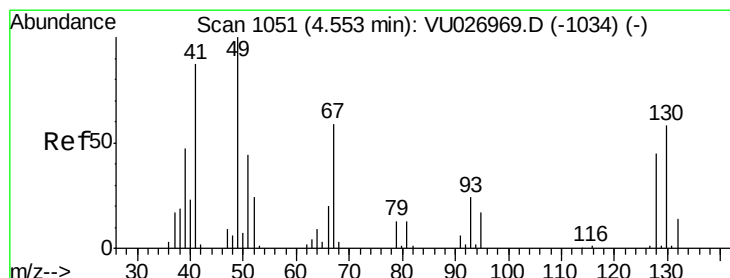
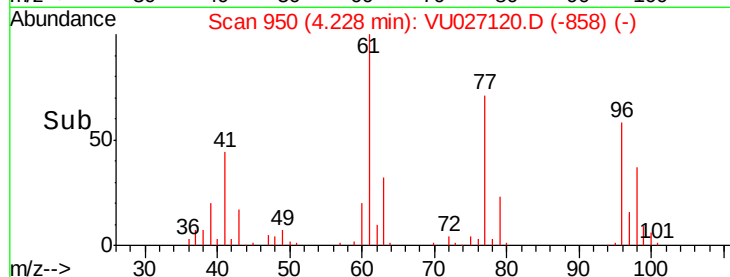
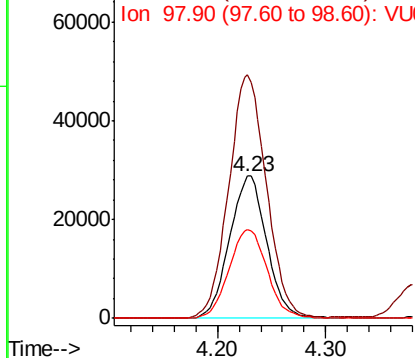
cis-1,2-Dichloroethene
 Concen: 52.875 ug/l
 RT: 4.23 min Scan# 950
 Delta R.T. -0.00 min
 Lab File: VU027120.D
 Acq: 24 Sep 2018 19:37

Instrument :
 MSVOA_U
 ClientSampleId :
 SA-PZ182I-20180916MSD

Tgt Ion: 96 Resp: 69144
 Ion Ratio Lower Upper
 96 100
 61 173.8 0.0 337.2
 98 64.0 0.0 127.6



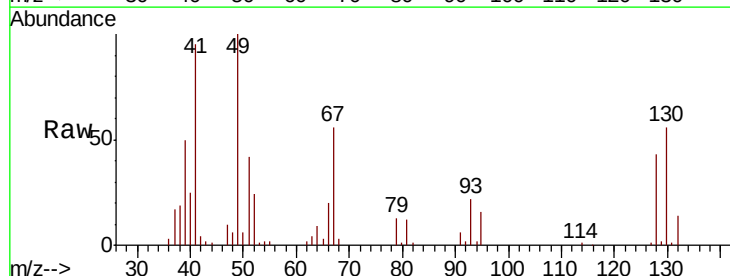
Abundance Ion 95.90 (95.60 to 96.60): VU0
 Ion 60.90 (60.60 to 61.60): VU0
 Ion 97.90 (97.60 to 98.60): VU0



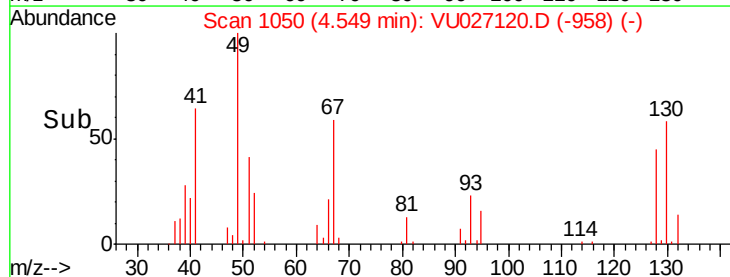
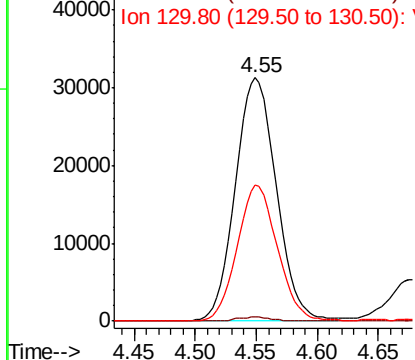
#28

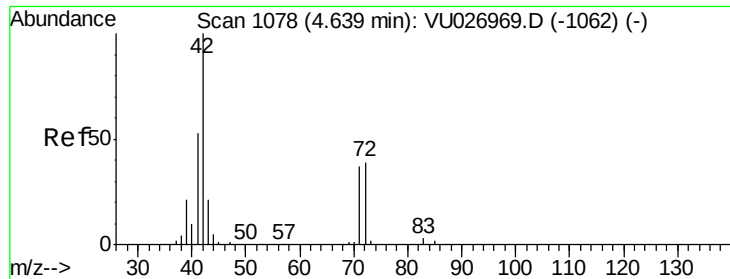
Bromochloromethane
 Concen: 58.382 ug/l
 RT: 4.55 min Scan# 1050
 Delta R.T. -0.00 min
 Lab File: VU027120.D
 Acq: 24 Sep 2018 19:37

Tgt Ion: 49 Resp: 72928
 Ion Ratio Lower Upper
 49 100
 129 1.4 0.0 3.0
 130 54.5 47.8 71.8



Abundance Ion 48.90 (48.60 to 49.60): VU0
 Ion 128.80 (128.50 to 129.50): V
 Ion 129.80 (129.50 to 130.50): V

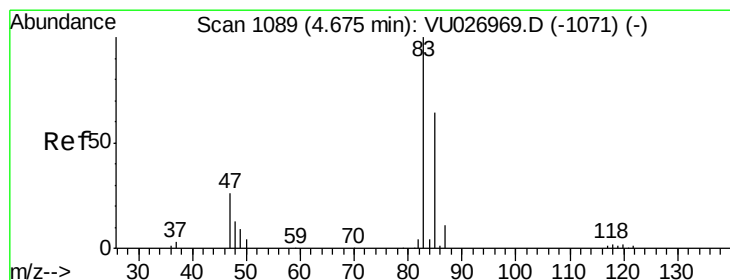
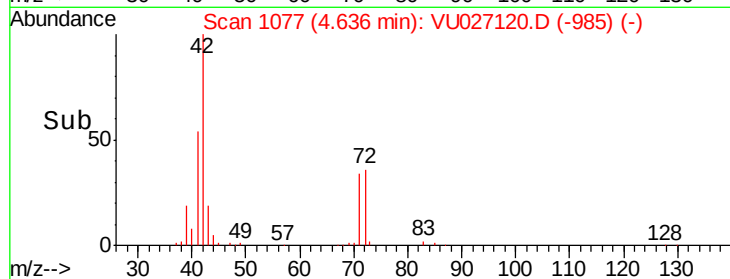
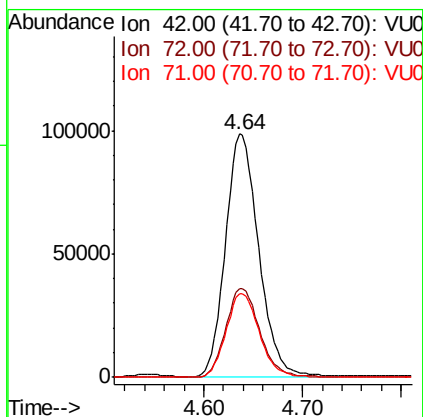
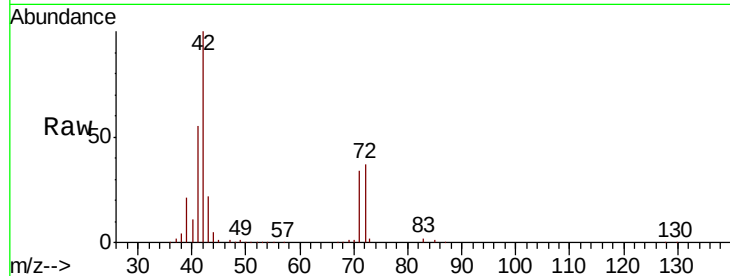




#29
Tetrahydrofuran
Concen: 288.216 ug/l
RT: 4.64 min Scan# 1077
Delta R.T. -0.00 min
Lab File: VU027120.D
Acq: 24 Sep 2018 19:37

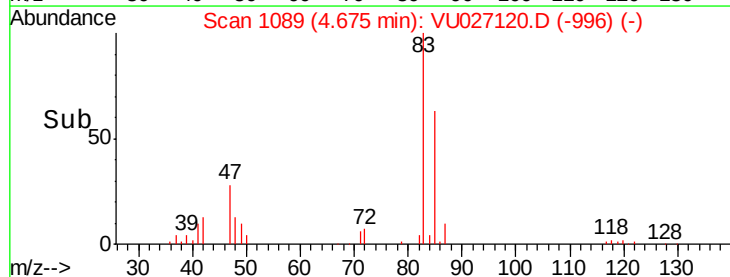
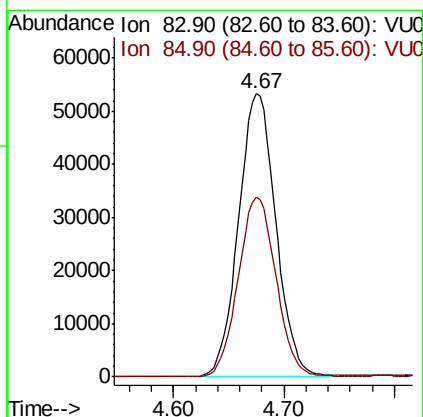
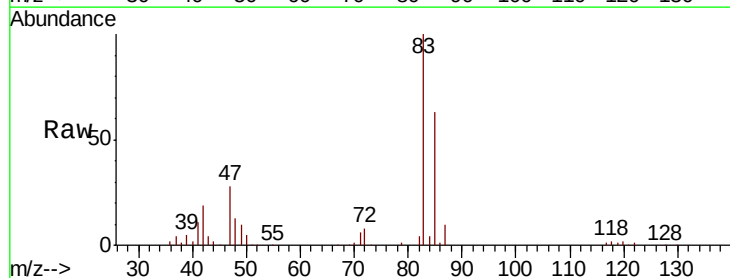
Instrument :
MSVOA_U
ClientSampleId :
SA-PZ182I-20180916MSD

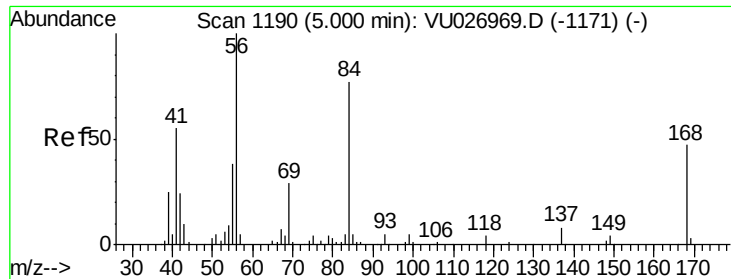
Tgt Ion: 42 Resp: 231571
Ion Ratio Lower Upper
42 100
72 37.5 31.7 47.5
71 34.5 29.6 44.4



#30
Chloroform
Concen: 52.040 ug/l
RT: 4.67 min Scan# 1089
Delta R.T. 0.00 min
Lab File: VU027120.D
Acq: 24 Sep 2018 19:37

Tgt Ion: 83 Resp: 125176
Ion Ratio Lower Upper
83 100
85 63.4 51.5 77.3

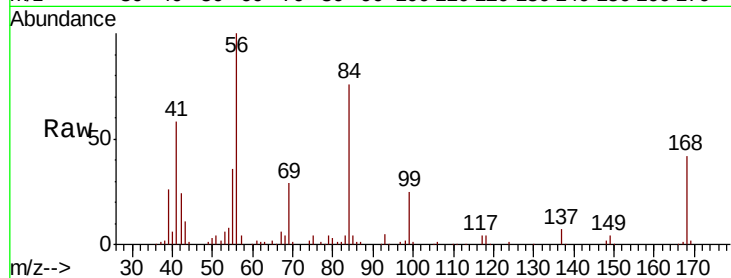




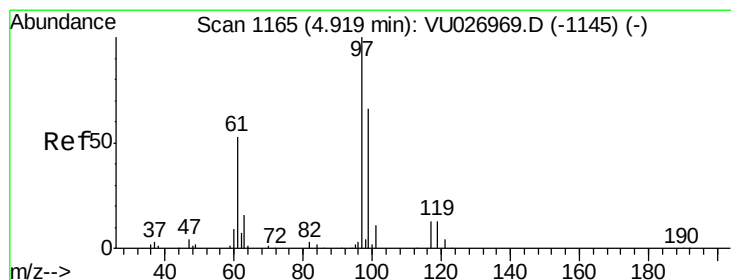
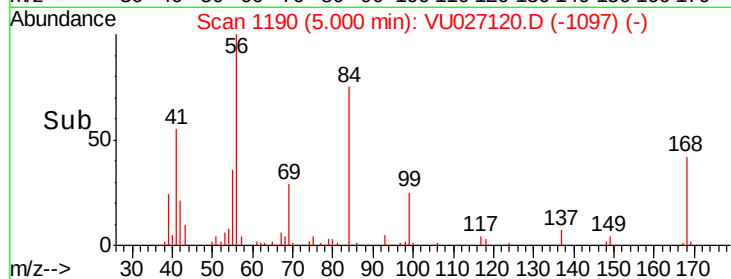
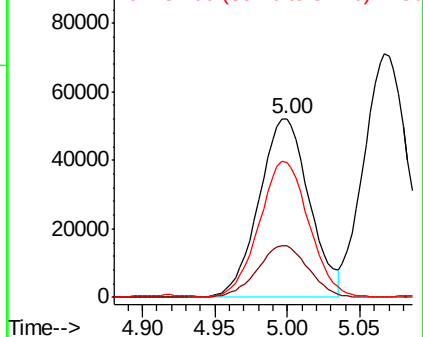
#31
Cyclohexane
Concen: 53.531 ug/l
RT: 5.00 min Scan# 1190
Delta R.T. 0.00 min
Lab File: VU027120.D
Acq: 24 Sep 2018 19:37

Instrument :
MSVOA_U
ClientSampleId :
SA-PZ182I-20180916MSD

Tgt Ion	Ratio	Lower	Upper
56	100		
69	28.5	23.0	34.4
84	74.9	61.4	92.2

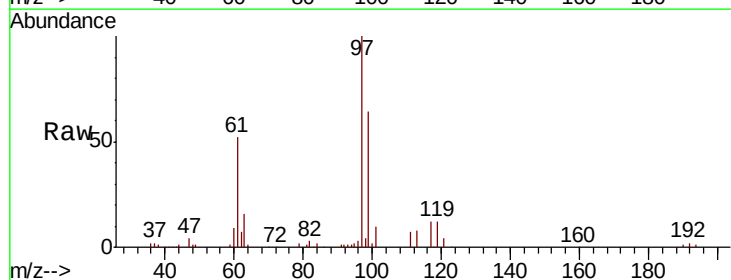


Abundance Ion 56.00 (55.70 to 56.70): VU0
Ion 69.00 (68.70 to 69.70): VU0
Ion 84.00 (83.70 to 84.70): VU0

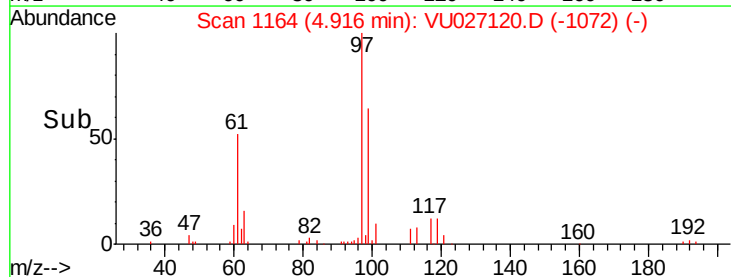
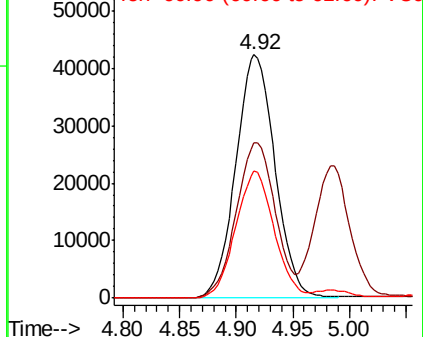


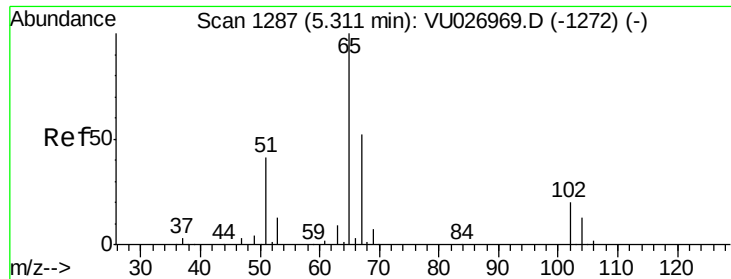
#32
1,1,1-Trichloroethane
Concen: 53.224 ug/l
RT: 4.92 min Scan# 1164
Delta R.T. -0.00 min
Lab File: VU027120.D
Acq: 24 Sep 2018 19:37

Tgt Ion	Ratio	Lower	Upper
97	100		
99	63.5	51.8	77.6
61	51.3	41.1	61.7



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

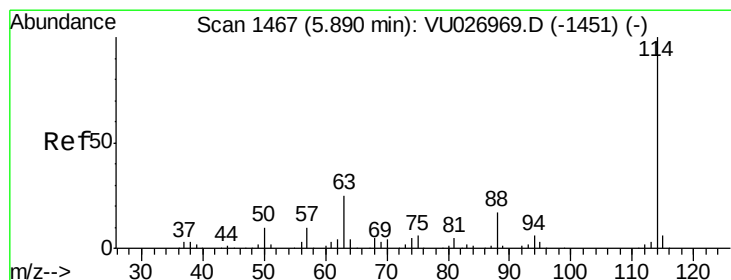
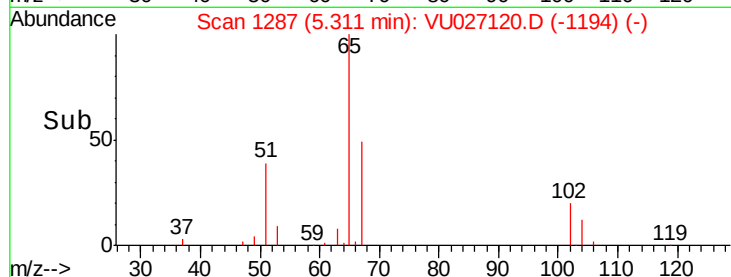
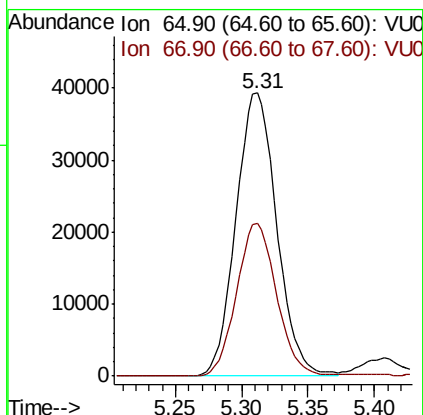
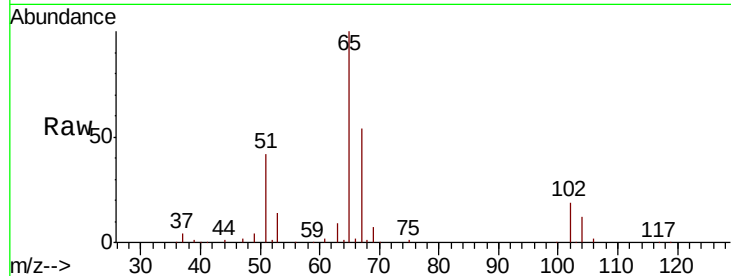




#33
 1,2-Dichloroethane-d4
 Concen: 53.339 ug/l
 RT: 5.31 min Scan# 1287
 Delta R.T. 0.00 min
 Lab File: VU027120.D
 Acq: 24 Sep 2018 19:37

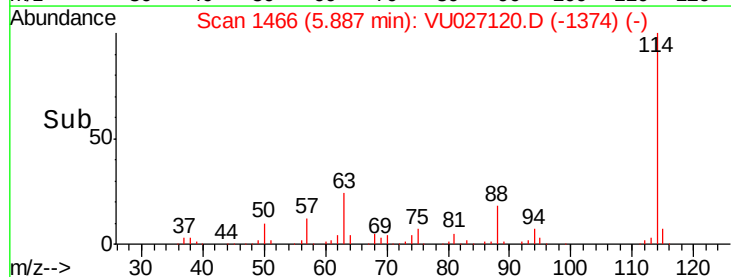
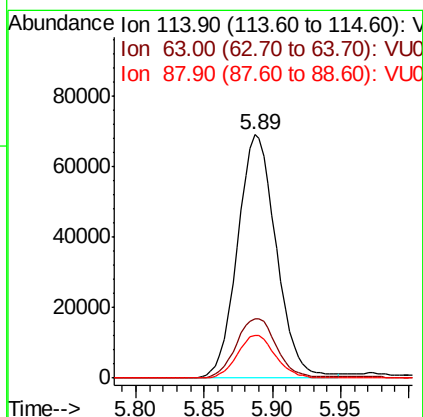
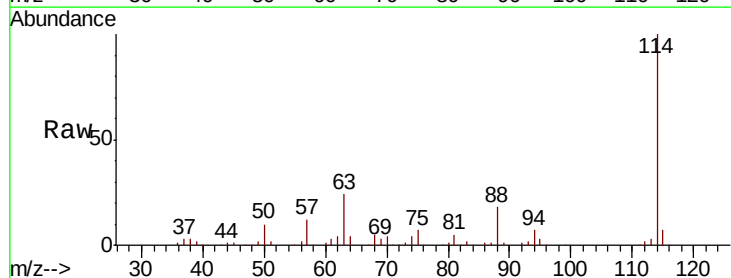
Instrument :
 MSVOA_U
 ClientSampleId :
 SA-PZ182I-20180916MSD

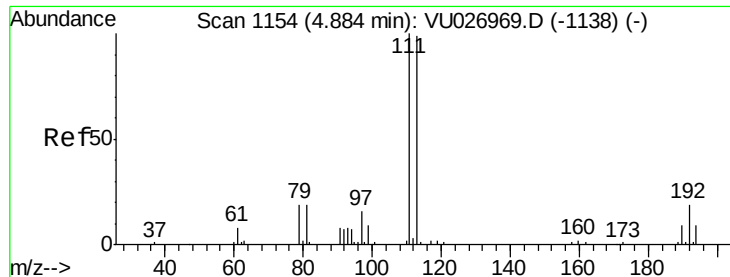
Tgt Ion: 65 Resp: 84300
 Ion Ratio Lower Upper
 65 100
 67 52.9 0.0 105.6



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 5.89 min Scan# 1466
 Delta R.T. -0.00 min
 Lab File: VU027120.D
 Acq: 24 Sep 2018 19:37

Tgt Ion: 114 Resp: 136072
 Ion Ratio Lower Upper
 114 100
 63 24.4 0.0 49.2
 88 17.7 0.0 33.8

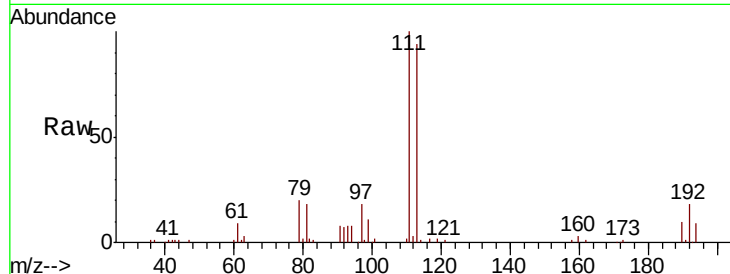




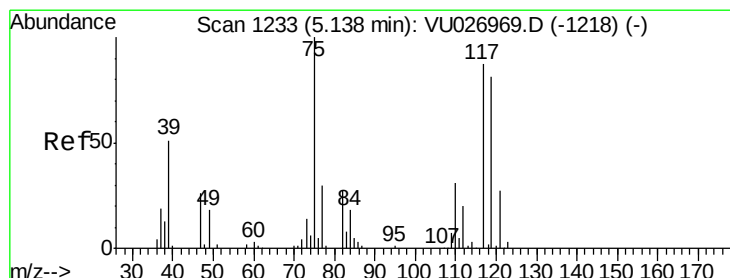
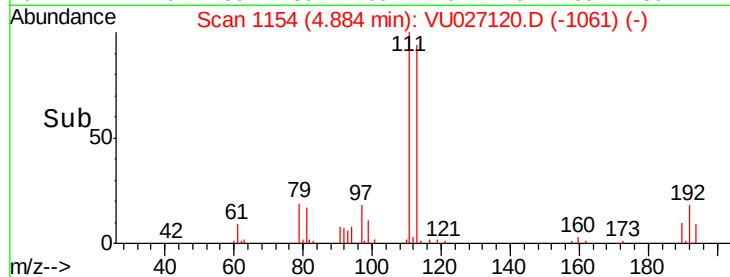
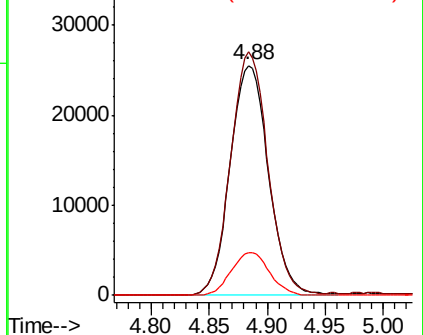
#35
 Dibromofluoromethane
 Concen: 49.816 ug/l
 RT: 4.88 min Scan# 1154
 Delta R.T. 0.00 min
 Lab File: VU027120.D
 Acq: 24 Sep 2018 19:37

Instrument :
 MSVOA_U
 ClientSampleId :
 SA-PZ182I-20180916MSD

Tgt Ion: 113 Resp: 58757
 Ion Ratio Lower Upper
 113 100
 111 103.0 82.2 123.4
 192 18.4 15.2 22.8

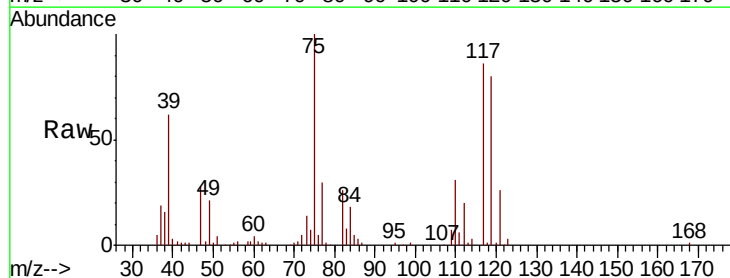


Abundance Ion 112.80 (112.50 to 113.50): V
 Ion 110.80 (110.50 to 111.50): V
 Ion 191.70 (191.40 to 192.40): V

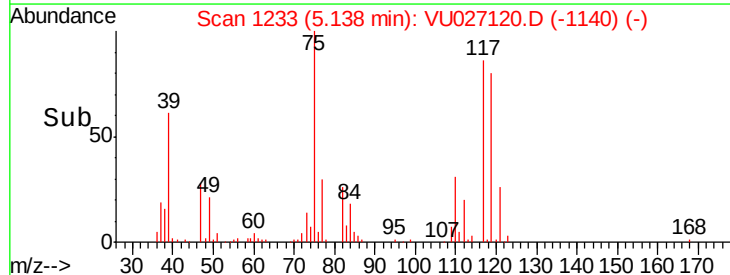
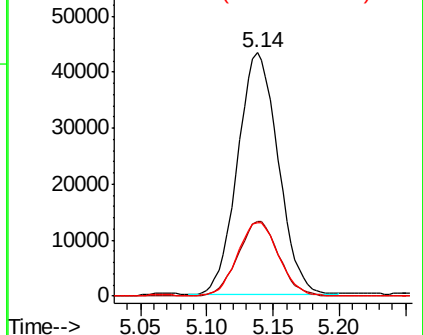


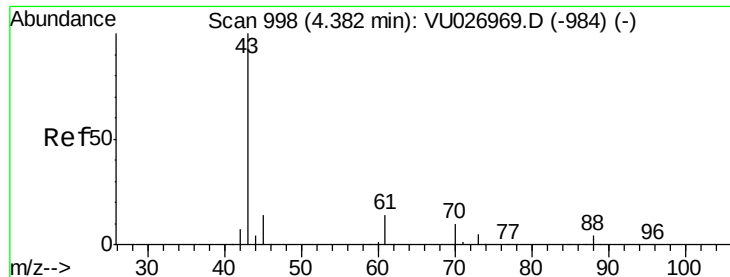
#36
 1,1-Dichloropropene
 Concen: 51.017 ug/l
 RT: 5.14 min Scan# 1233
 Delta R.T. 0.00 min
 Lab File: VU027120.D
 Acq: 24 Sep 2018 19:37

Tgt Ion: 75 Resp: 92649
 Ion Ratio Lower Upper
 75 100
 110 31.0 16.1 48.2
 77 30.3 24.6 36.8



Abundance Ion 74.90 (74.60 to 75.60): VU0
 Ion 109.90 (109.60 to 110.60): V
 Ion 76.90 (76.60 to 77.60): VU0

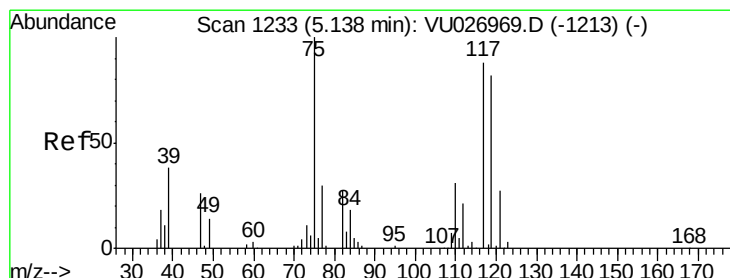
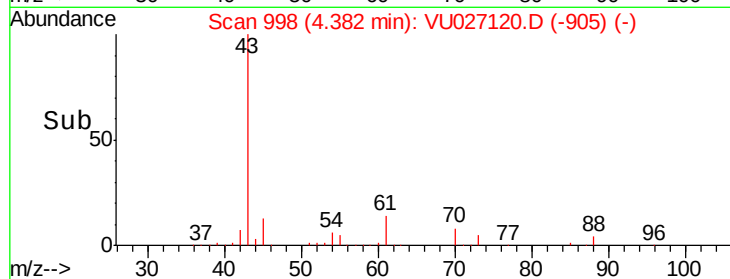
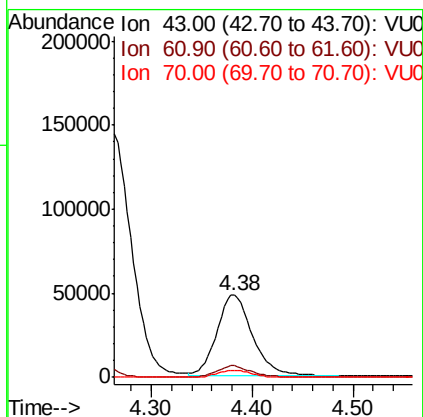
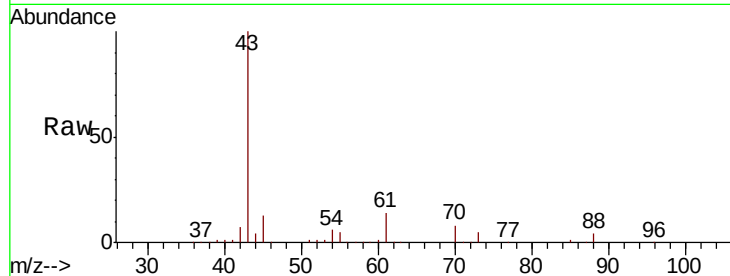




#37
Ethyl Acetate
Concen: 48.460 ug/l
RT: 4.38 min Scan# 998
Delta R.T. 0.00 min
Lab File: VU027120.D
Acq: 24 Sep 2018 19:37

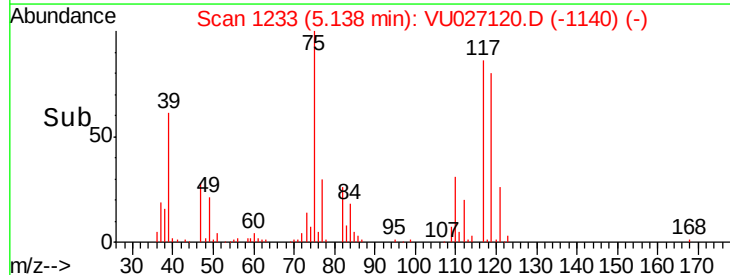
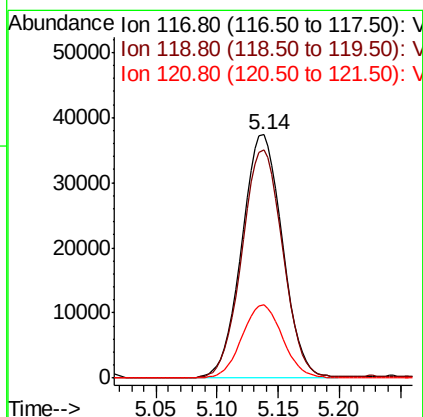
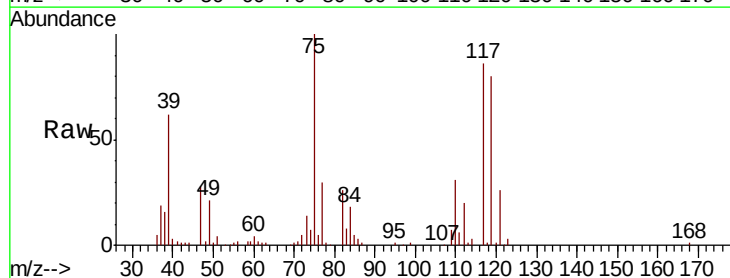
Instrument :
MSVOA_U
ClientSampleId :
SA-PZ182I-20180916MSD

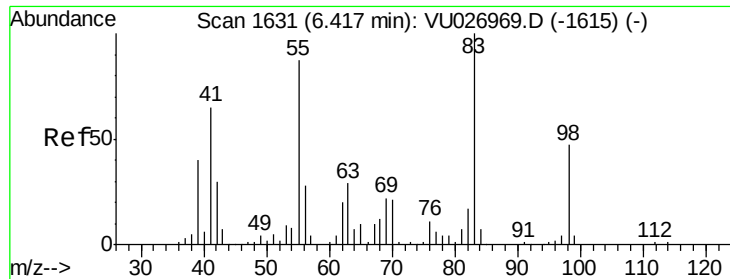
Tgt Ion: 43 Resp: 119135
Ion Ratio Lower Upper
43 100
61 12.8 10.5 15.7
70 8.5 7.4 11.0



#38
Carbon Tetrachloride
Concen: 49.833 ug/l
RT: 5.14 min Scan# 1233
Delta R.T. 0.00 min
Lab File: VU027120.D
Acq: 24 Sep 2018 19:37

Tgt Ion: 117 Resp: 86121
Ion Ratio Lower Upper
117 100
119 93.5 74.4 111.6
121 30.1 24.2 36.4

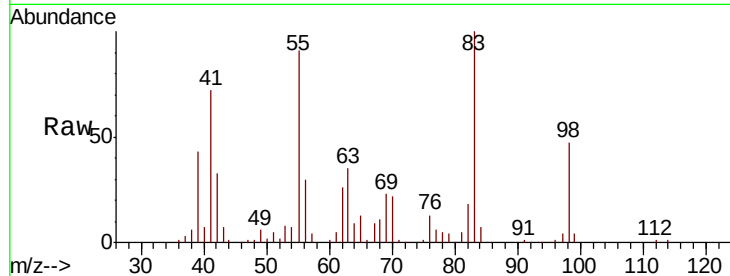




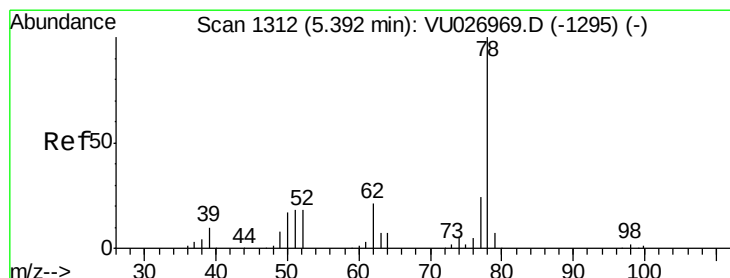
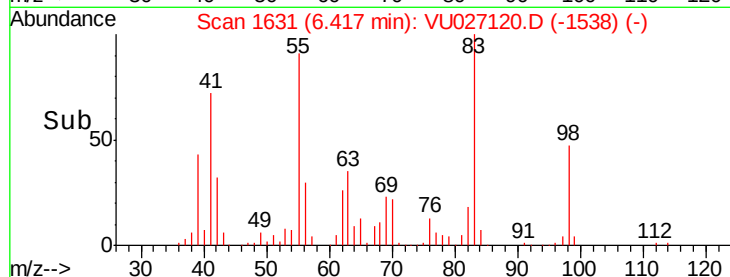
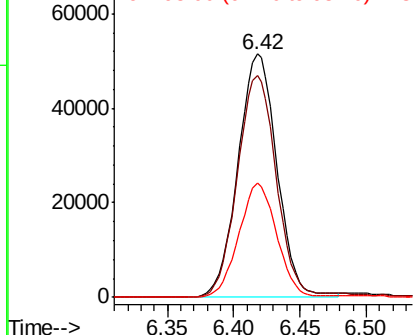
#39
Methylcyclohexane
Concen: 53.313 ug/l
RT: 6.42 min Scan# 1631
Delta R.T. 0.00 min
Lab File: VU027120.D
Acq: 24 Sep 2018 19:37

Instrument :
MSVOA_U
ClientSampleId :
SA-PZ182I-20180916MSD

Tgt Ion: 83 Resp: 105214
Ion Ratio Lower Upper
83 100
55 90.9 69.9 104.9
98 46.8 37.5 56.3

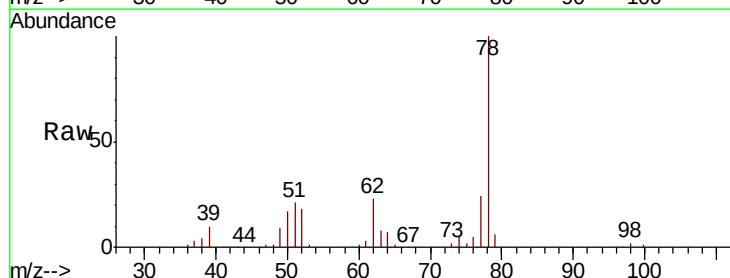


Abundance Ion 83.00 (82.70 to 83.70): VU0
Ion 55.00 (54.70 to 55.70): VU0
Ion 98.00 (97.70 to 98.70): VU0

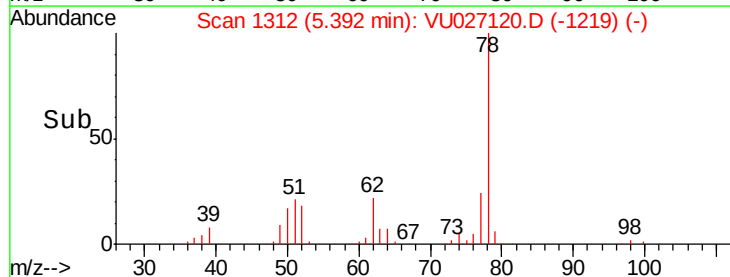
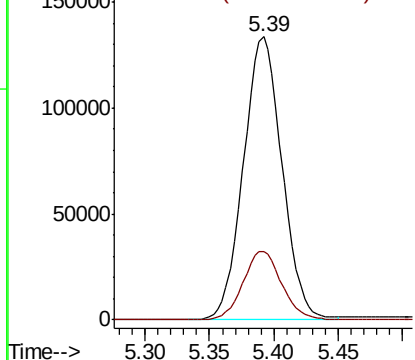


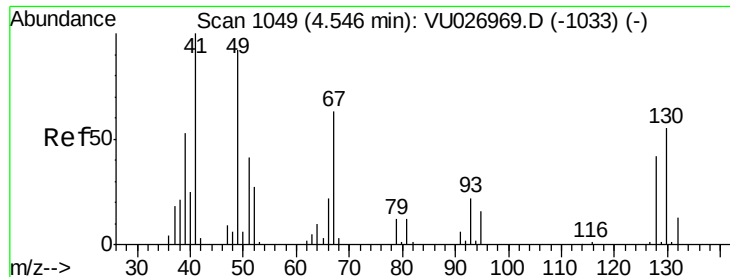
#40
Benzene
Concen: 50.599 ug/l
RT: 5.39 min Scan# 1312
Delta R.T. 0.00 min
Lab File: VU027120.D
Acq: 24 Sep 2018 19:37

Tgt Ion: 78 Resp: 279343
Ion Ratio Lower Upper
78 100
77 24.0 19.4 29.0



Abundance Ion 78.00 (77.70 to 78.70): VU0
Ion 77.00 (76.70 to 77.70): VU0





#41

Methacrylonitrile

Concen: 58.627 ug/l

RT: 4.54 min Scan# 1048

Delta R.T. -0.00 min

Lab File: VU027120.D

Acq: 24 Sep 2018 19:37

Instrument :

MSVOA_U

ClientSampleId :

SA-PZ182I-20180916MSD

Tgt Ion: 41 Resp: 74853

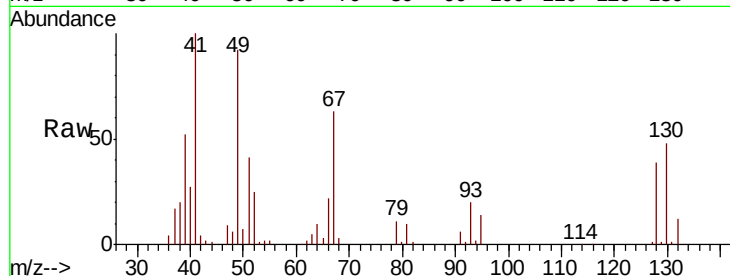
Ion Ratio Lower Upper

41 100

39 52.7 42.9 64.3

67 60.7 52.4 78.6

52 25.6 21.3 31.9

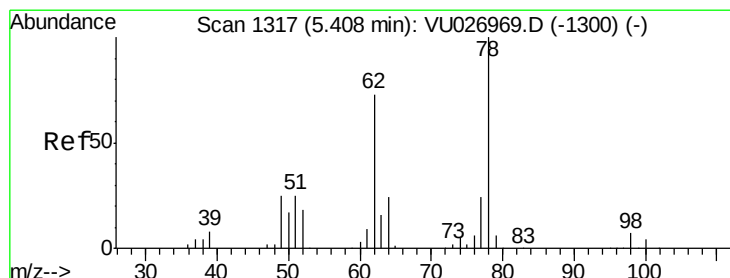
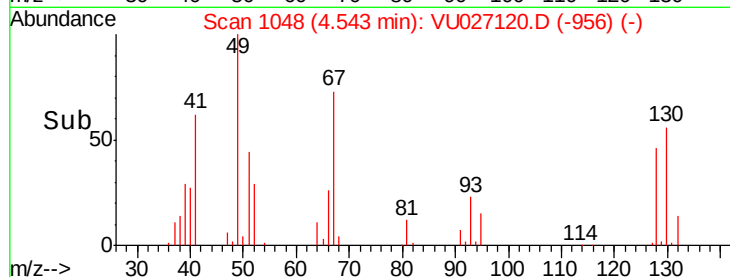
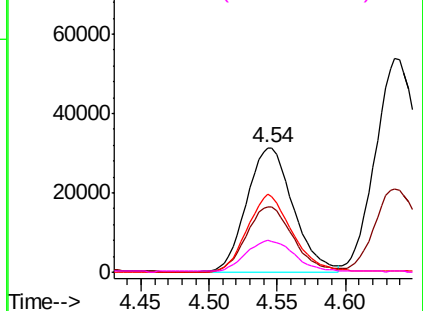


Abundance Ion 41.00 (40.70 to 41.70): VU0

Ion 39.00 (38.70 to 39.70): VU0

Ion 67.00 (66.70 to 67.70): VU0

Ion 52.00 (51.70 to 52.70): VU0



#42

1,2-Dichloroethane

Concen: 51.966 ug/l

RT: 5.40 min Scan# 1316

Delta R.T. -0.00 min

Lab File: VU027120.D

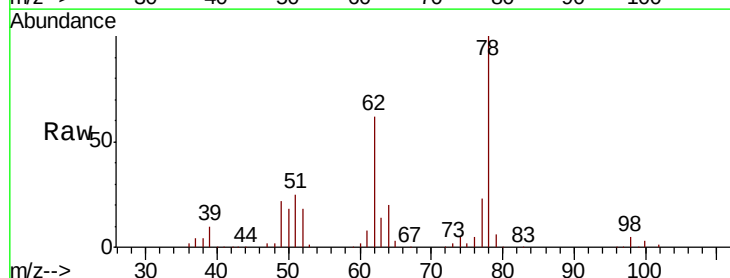
Acq: 24 Sep 2018 19:37

Tgt Ion: 62 Resp: 108392

Ion Ratio Lower Upper

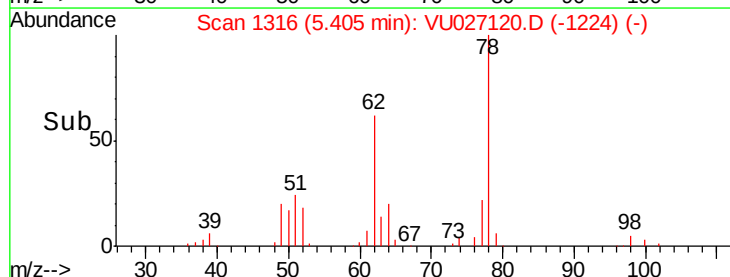
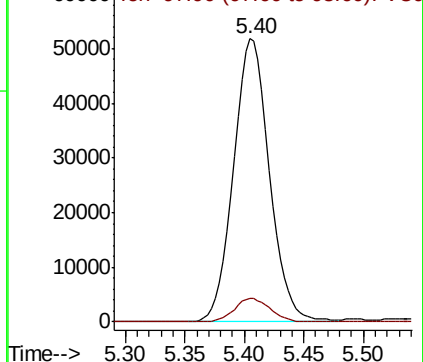
62 100

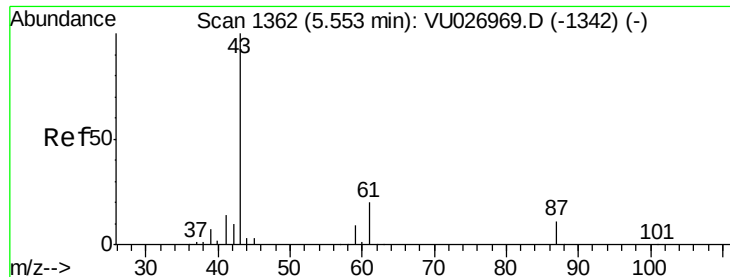
98 8.2 0.0 17.0



Abundance Ion 61.90 (61.60 to 62.60): VU0

Ion 97.90 (97.60 to 98.60): VU0

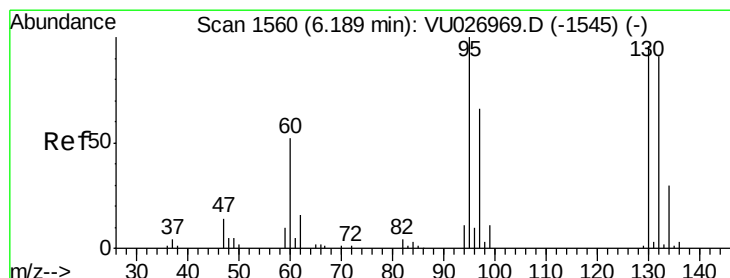
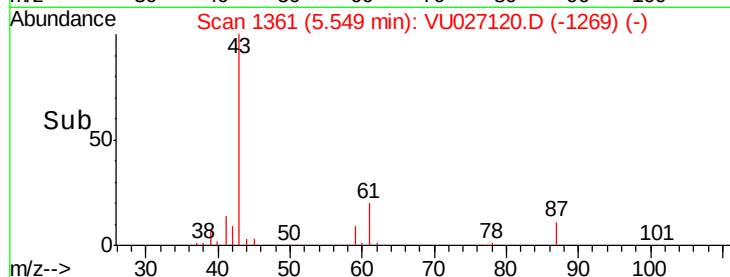
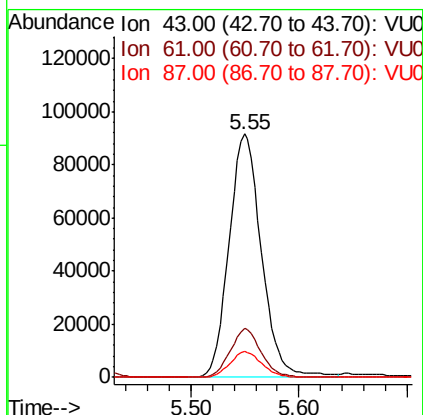
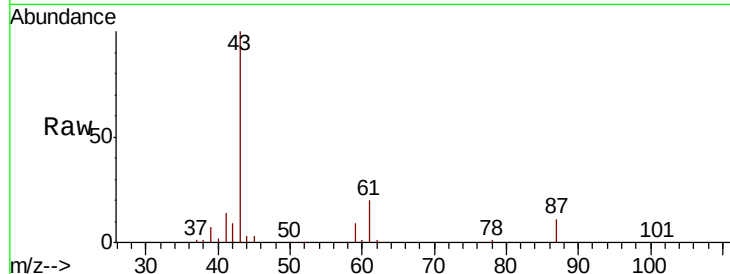




#43
Isopropyl Acetate
Concen: 53.344 ug/l
RT: 5.55 min Scan# 1361
Delta R.T. -0.00 min
Lab File: VU027120.D
Acq: 24 Sep 2018 19:37

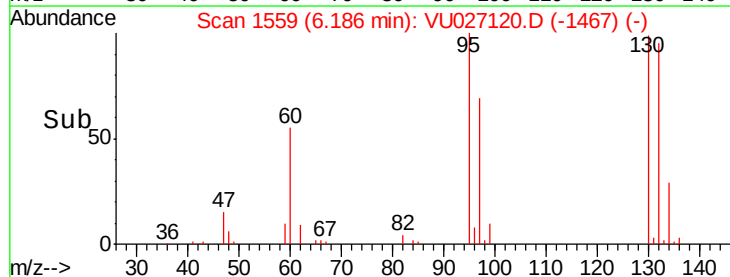
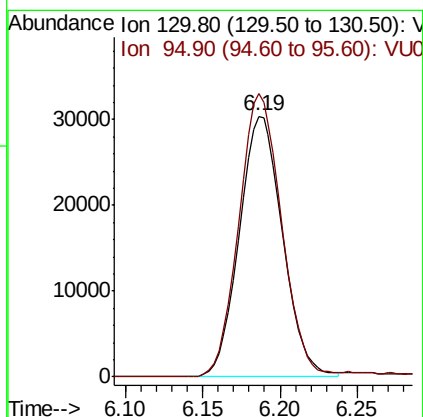
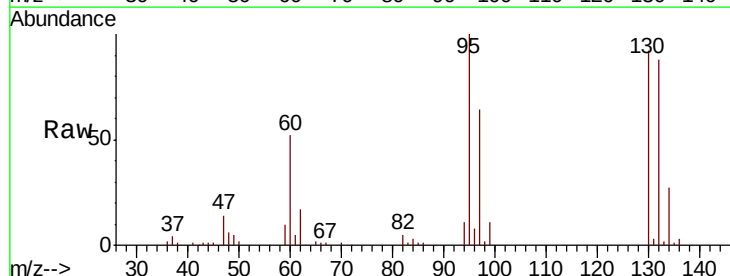
Instrument :
MSVOA_U
ClientSampleId :
SA-PZ182I-20180916MSD

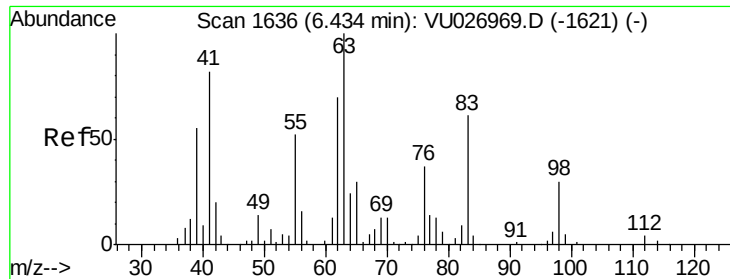
Tgt Ion: 43 Resp: 191256
Ion Ratio Lower Upper
43 100
61 19.3 15.7 23.5
87 10.4 9.0 13.4



#44
Trichloroethene
Concen: 50.340 ug/l
RT: 6.19 min Scan# 1559
Delta R.T. -0.00 min
Lab File: VU027120.D
Acq: 24 Sep 2018 19:37

Tgt Ion: 130 Resp: 59165
Ion Ratio Lower Upper
130 100
95 108.7 0.0 208.8

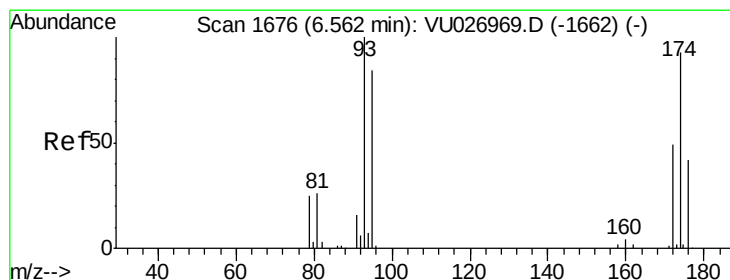
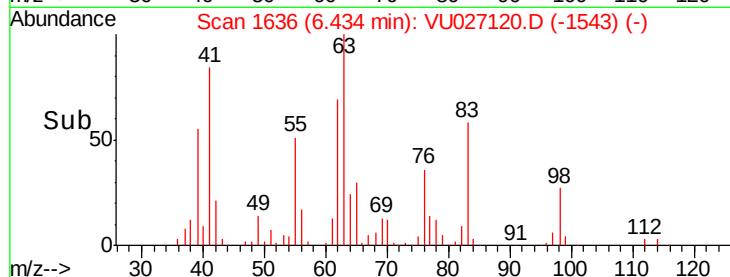
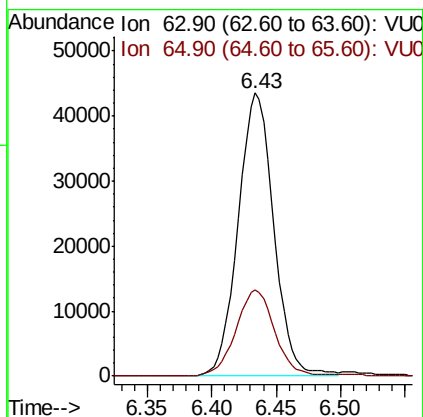
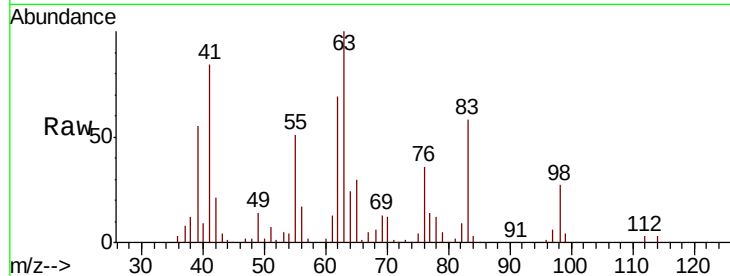




#45
 1,2-Dichloropropane
 Concen: 53.313 ug/l
 RT: 6.43 min Scan# 1636
 Delta R.T. 0.00 min
 Lab File: VU027120.D
 Acq: 24 Sep 2018 19:37

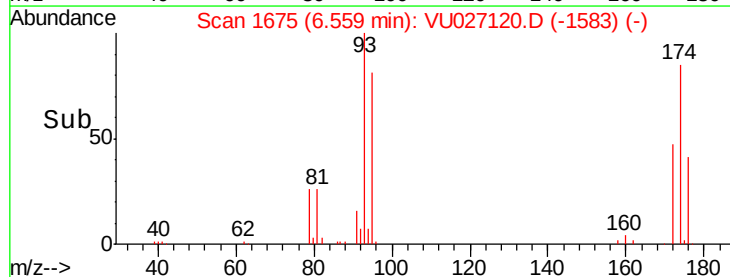
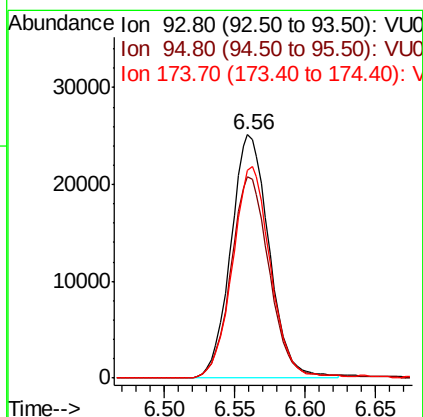
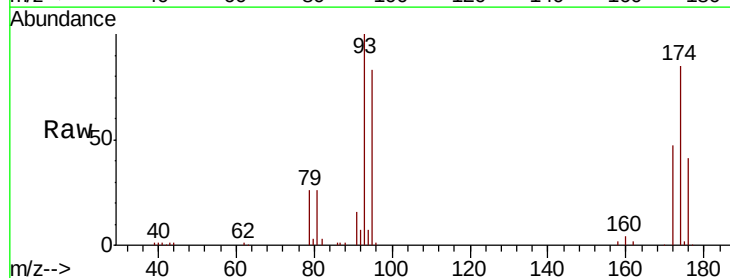
Instrument :
 MSVOA_U
 ClientSampleId :
 SA-PZ182I-20180916MSD

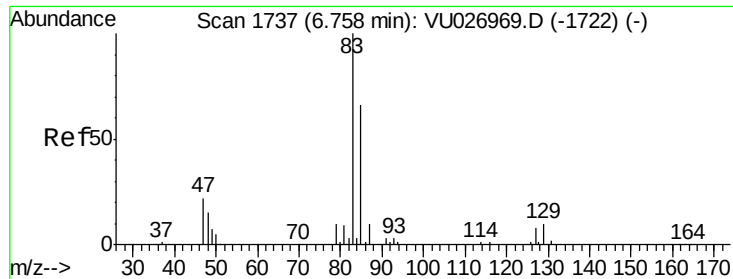
Tgt Ion: 63 Resp: 83864
 Ion Ratio Lower Upper
 63 100
 65 30.4 24.3 36.5



#46
 Dibromomethane
 Concen: 50.310 ug/l
 RT: 6.56 min Scan# 1675
 Delta R.T. -0.00 min
 Lab File: VU027120.D
 Acq: 24 Sep 2018 19:37

Tgt Ion: 93 Resp: 47796
 Ion Ratio Lower Upper
 93 100
 95 83.6 66.2 99.4
 174 86.2 71.7 107.5





#47

Bromodichloromethane

Concen: 50.965 ug/l

RT: 6.76 min Scan# 1737

Delta R.T. 0.00 min

Lab File: VU027120.D

Acq: 24 Sep 2018 19:37

Instrument :

MSVOA_U

ClientSampleId :

SA-PZ182I-20180916MSD

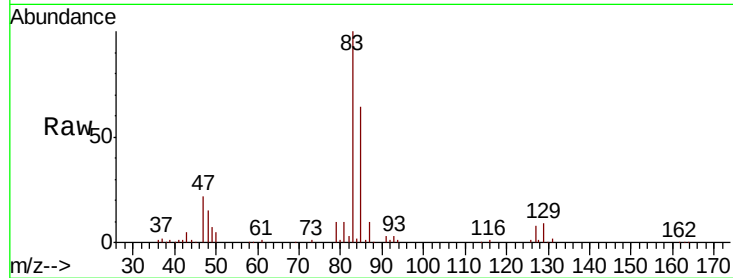
Tgt Ion: 83 Resp: 97905

Ion Ratio Lower Upper

83 100

85 64.4 52.5 78.7

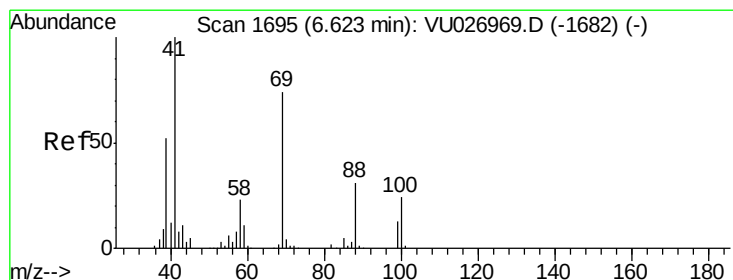
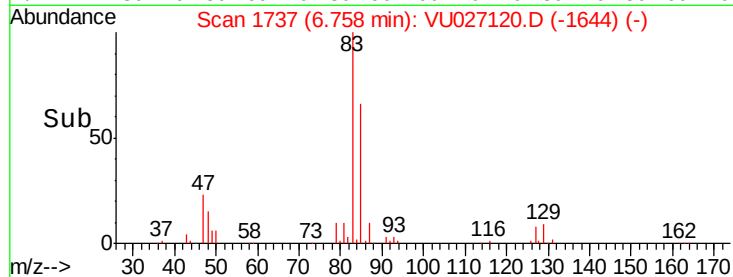
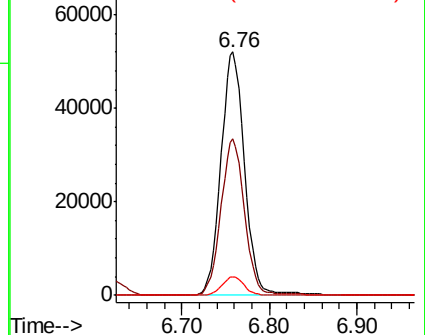
127 7.6 6.3 9.5



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): VU0



#48

Methyl methacrylate

Concen: 52.321 ug/l

RT: 6.62 min Scan# 1695

Delta R.T. 0.00 min

Lab File: VU027120.D

Acq: 24 Sep 2018 19:37

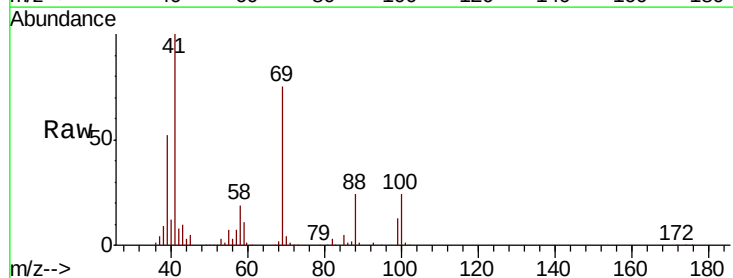
Tgt Ion: 41 Resp: 102193

Ion Ratio Lower Upper

41 100

69 76.1 60.6 90.8

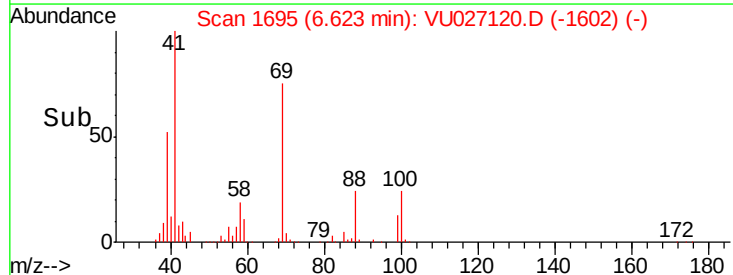
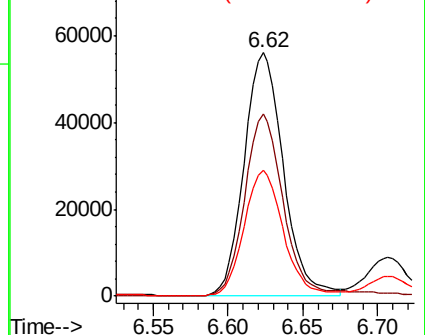
39 51.6 42.8 64.2

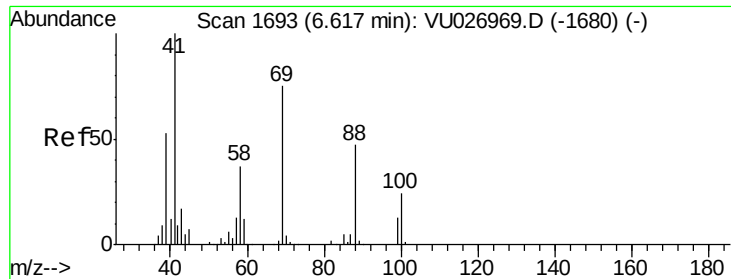


Abundance Ion 41.00 (40.70 to 41.70): VU0

Ion 69.00 (68.70 to 69.70): VU0

Ion 39.00 (38.70 to 39.70): VU0

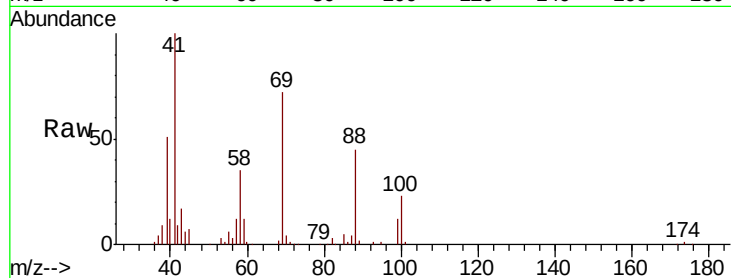




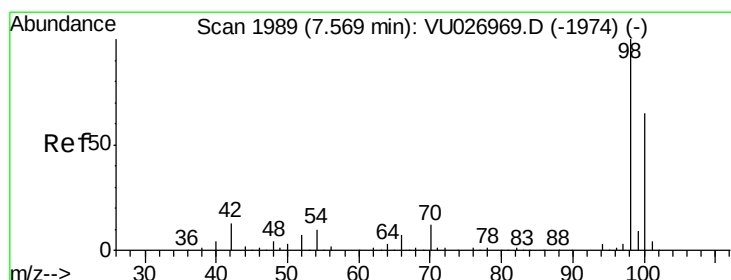
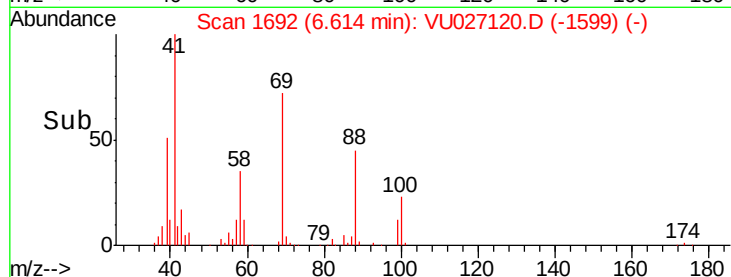
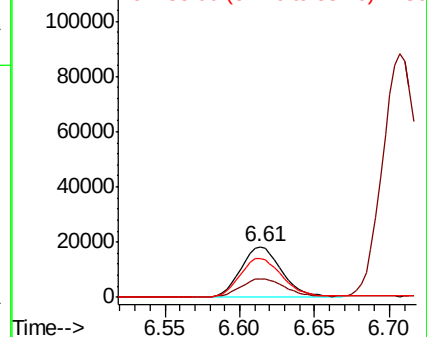
#49
1,4-Dioxane
Concen: 906.057 ug/l
RT: 6.61 min Scan# 1692
Delta R.T. -0.00 min
Lab File: VU027120.D
Acq: 24 Sep 2018 19:37

Instrument :
MSVOA_U
ClientSampleId :
SA-PZ182I-20180916MSD

Tgt Ion: 88 Resp: 35120
Ion Ratio Lower Upper
88 100
43 39.1 29.8 44.8
58 80.4 63.9 95.9

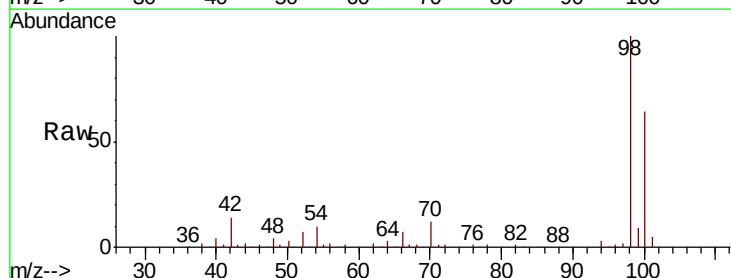


Abundance Ion 88.00 (87.70 to 88.70): VU0
Ion 43.00 (42.70 to 43.70): VU0
Ion 58.00 (57.70 to 58.70): VU0

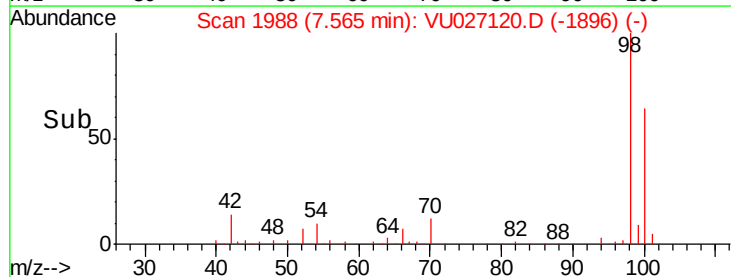
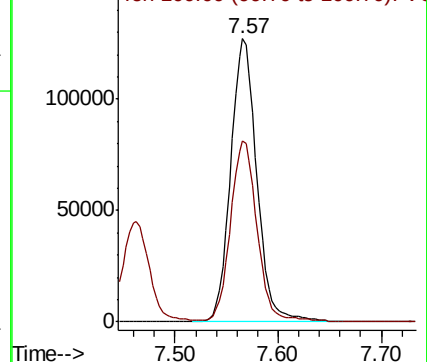


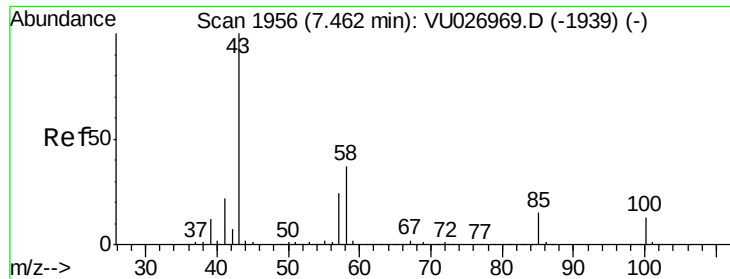
#50
Toluene-d8
Concen: 50.134 ug/l
RT: 7.57 min Scan# 1988
Delta R.T. -0.00 min
Lab File: VU027120.D
Acq: 24 Sep 2018 19:37

Tgt Ion: 98 Resp: 225355
Ion Ratio Lower Upper
98 100
100 64.9 52.1 78.1



Abundance Ion 98.00 (97.70 to 98.70): VU0
Ion 100.00 (99.70 to 100.70): VU0





#51

4-Methyl-2-Pentanone

Concen: 285.054 ug/l

RT: 7.46 min Scan# 1955

Delta R.T. -0.00 min

Lab File: VU027120.D

Acq: 24 Sep 2018 19:37

Instrument :

MSVOA_U

ClientSampleId :

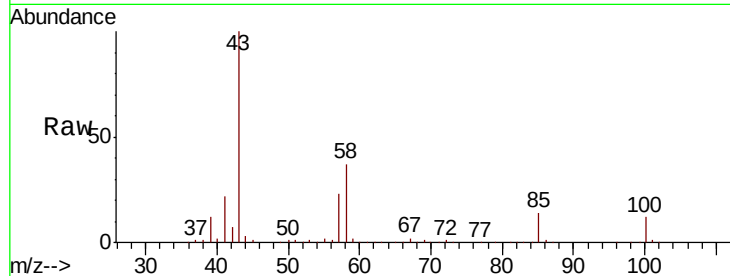
SA-PZ182I-20180916MSD

Tgt Ion: 43 Resp: 687363

Ion Ratio Lower Upper

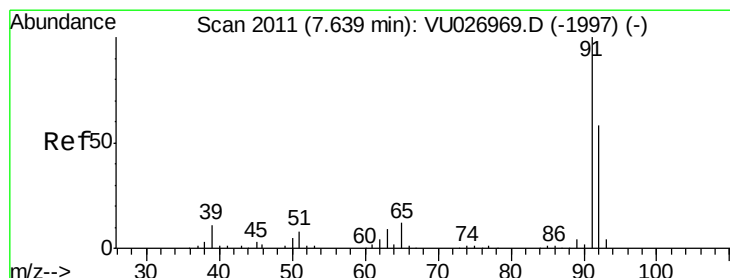
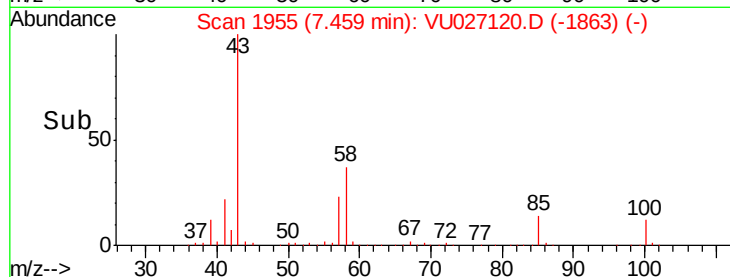
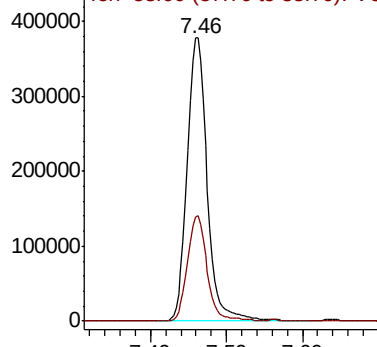
43 100

58 36.8 29.8 44.6



Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 58.00 (57.70 to 58.70): VU0



#52

Toluene

Concen: 52.672 ug/l

RT: 7.64 min Scan# 2011

Delta R.T. 0.00 min

Lab File: VU027120.D

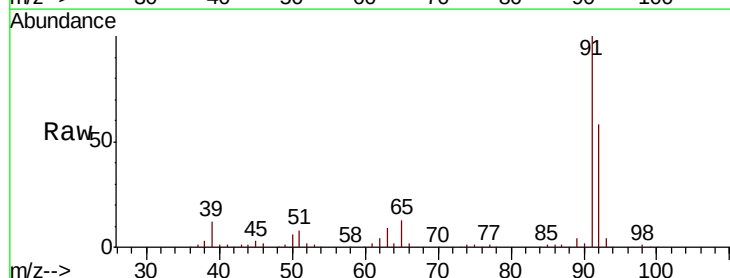
Acq: 24 Sep 2018 19:37

Tgt Ion: 92 Resp: 166679

Ion Ratio Lower Upper

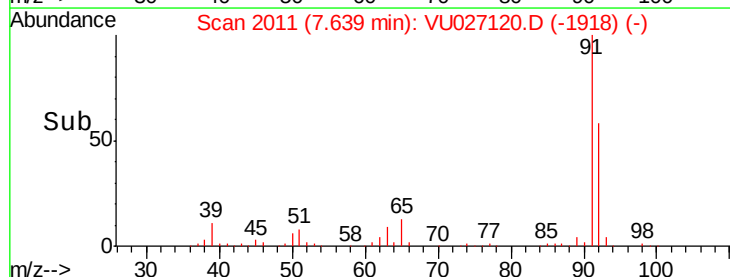
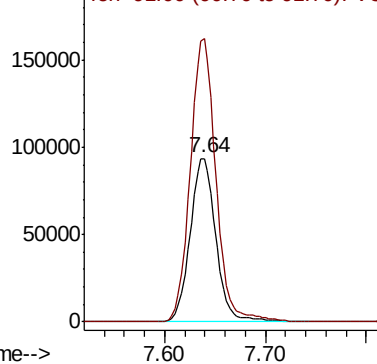
92 100

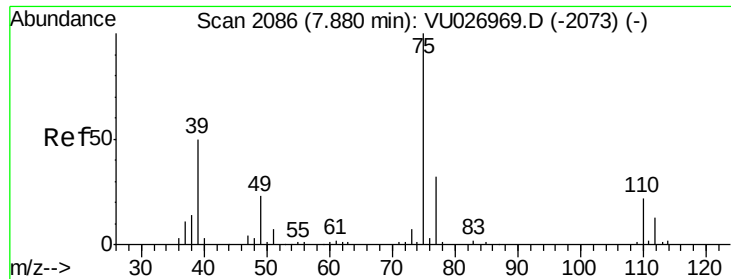
91 173.4 136.4 204.6



Abundance Ion 92.00 (91.70 to 92.70): VU0

Ion 91.00 (90.70 to 91.70): VU0

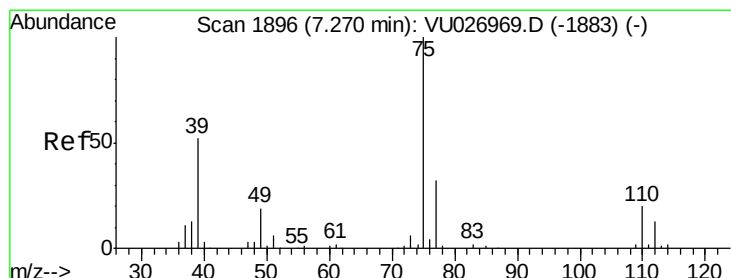
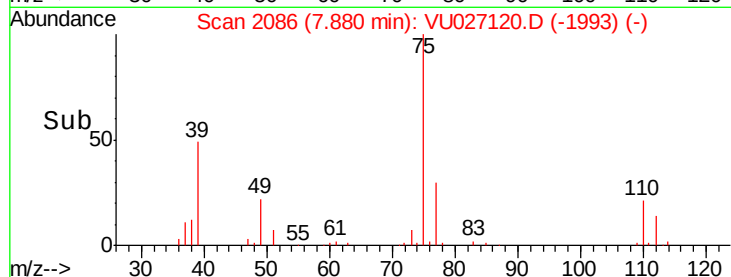
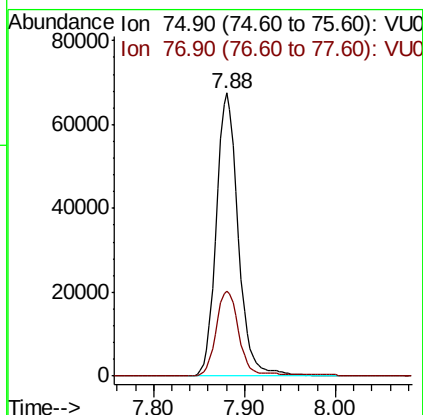
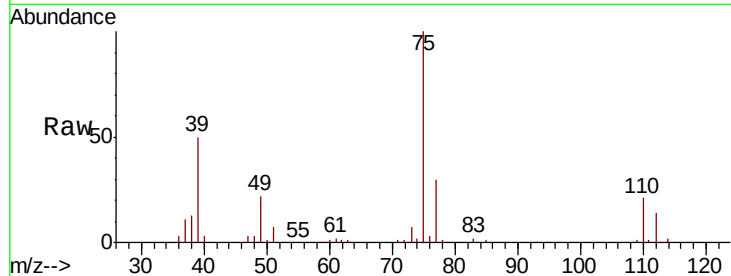




#53
 t-1,3-Dichloropropene
 Concen: 54.902 ug/l
 RT: 7.88 min Scan# 2086
 Delta R.T. 0.00 min
 Lab File: VU027120.D
 Acq: 24 Sep 2018 19:37

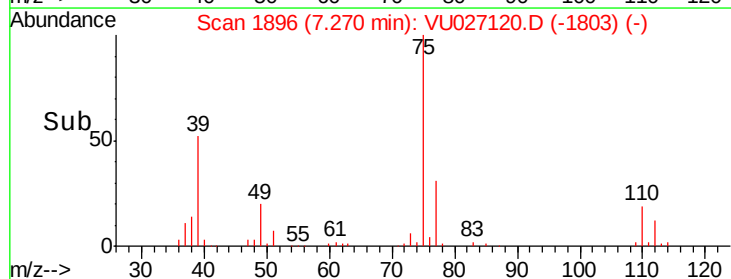
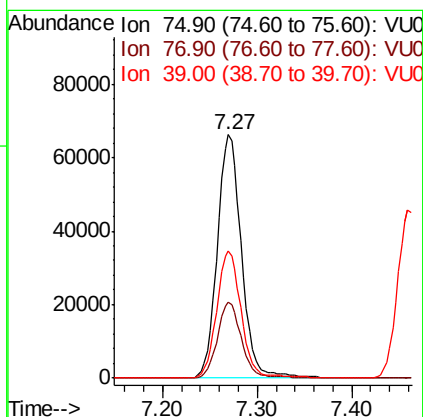
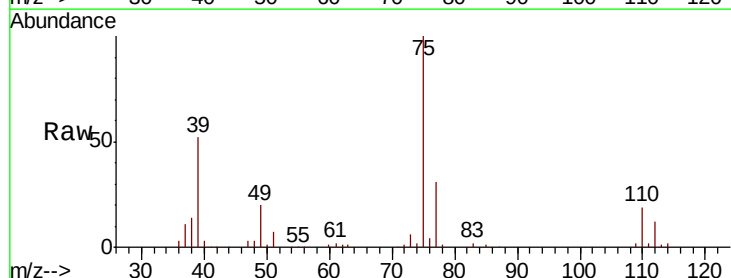
Instrument :
 MSVOA_U
 ClientSampleId :
 SA-PZ182I-20180916MSD

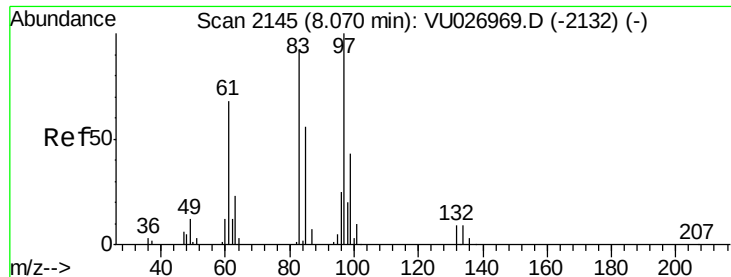
Tgt Ion: 75 Resp: 113316
 Ion Ratio Lower Upper
 75 100
 77 30.2 25.3 37.9



#54
 cis-1,3-Dichloropropene
 Concen: 51.784 ug/l
 RT: 7.27 min Scan# 1896
 Delta R.T. 0.00 min
 Lab File: VU027120.D
 Acq: 24 Sep 2018 19:37

Tgt Ion: 75 Resp: 117518
 Ion Ratio Lower Upper
 75 100
 77 31.2 25.4 38.0
 39 52.3 41.6 62.4

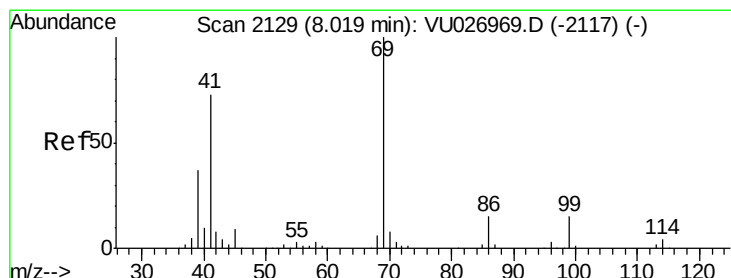
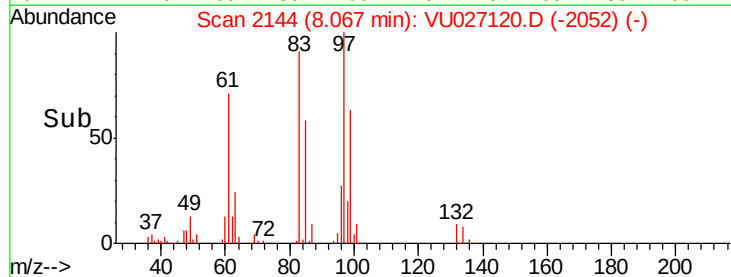
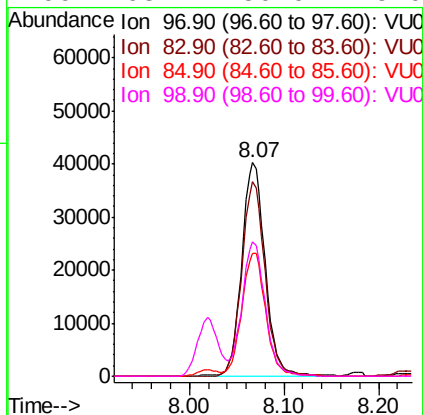
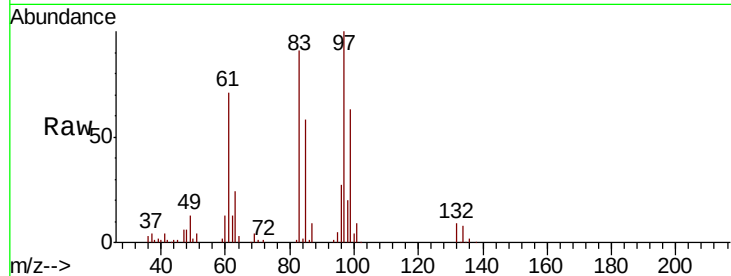




#55
 1,1,2-Trichloroethane
 Concen: 51.608 ug/l
 RT: 8.07 min Scan# 2144
 Delta R.T. -0.00 min
 Lab File: VU027120.D
 Acq: 24 Sep 2018 19:37

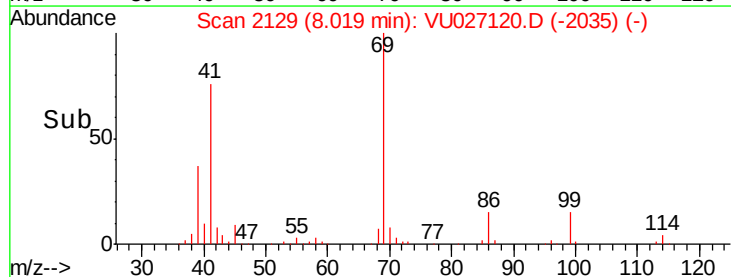
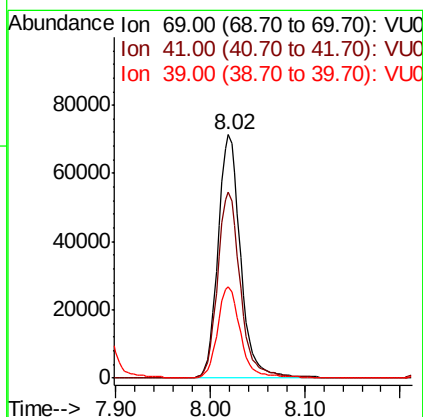
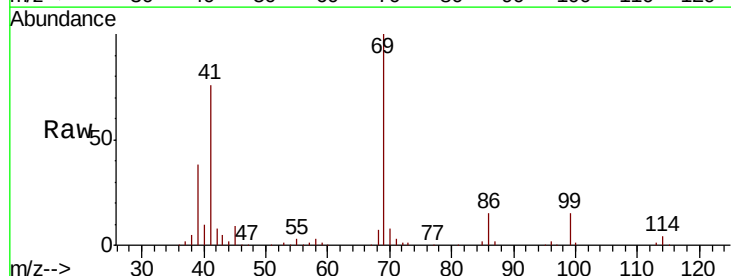
Instrument :
 MSVOA_U
 ClientSampleId :
 SA-PZ182I-20180916MSD

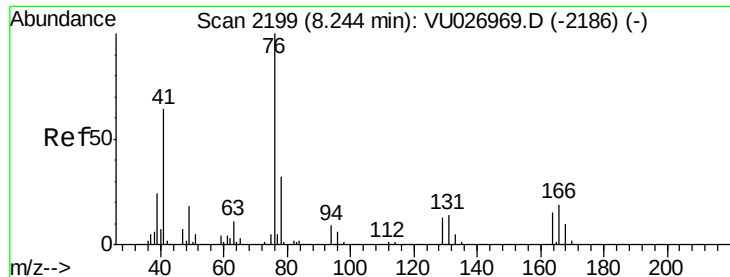
Tgt Ion:	97	Resp:	69199
Ion	Ratio	Lower	Upper
97	100		
83	90.9	73.1	109.7
85	57.7	46.7	70.1
99	63.2	50.0	75.0



#56
 Ethyl methacrylate
 Concen: 50.805 ug/l
 RT: 8.02 min Scan# 2129
 Delta R.T. 0.00 min
 Lab File: VU027120.D
 Acq: 24 Sep 2018 19:37

Tgt Ion:	69	Resp:	118286
Ion	Ratio	Lower	Upper
69	100		
41	77.3	59.0	88.4
39	37.7	30.2	45.4

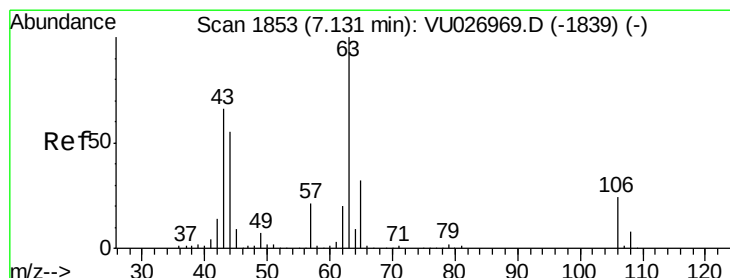
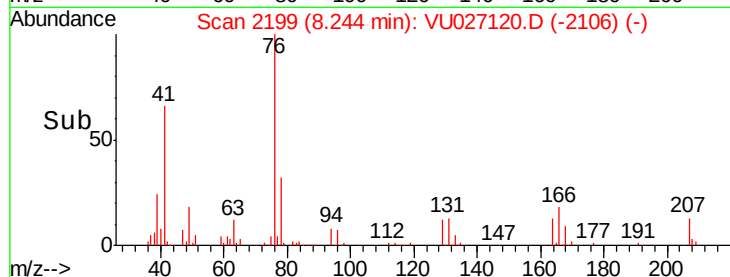
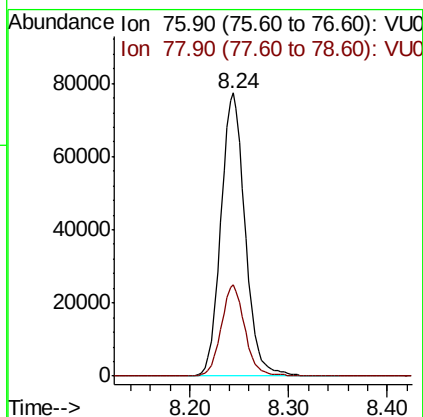
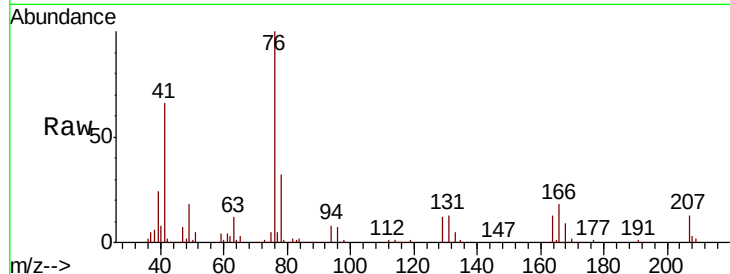




#57
 1,3-Dichloropropane
 Concen: 53.483 ug/l
 RT: 8.24 min Scan# 2199
 Delta R.T. 0.00 min
 Lab File: VU027120.D
 Acq: 24 Sep 2018 19:37

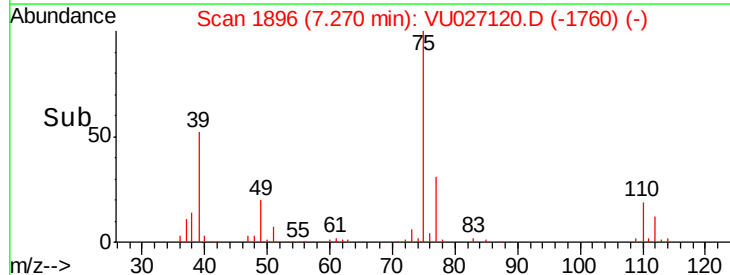
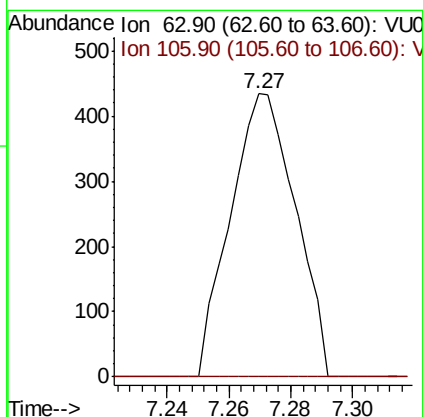
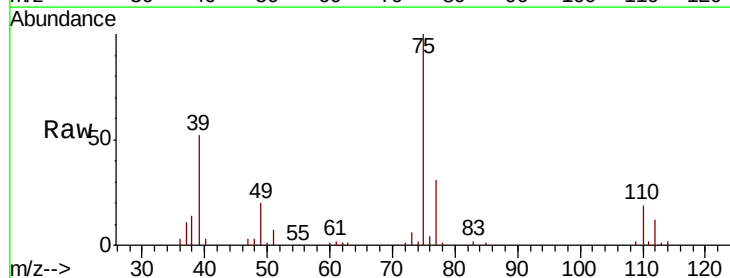
Instrument :
 MSVOA_U
 ClientSampleId :
 SA-PZ182I-20180916MSD

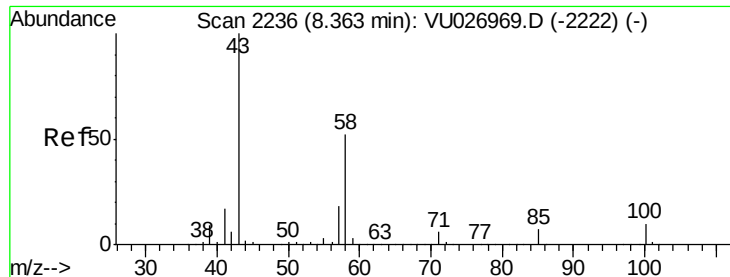
Tgt Ion: 76 Resp: 133382
 Ion Ratio Lower Upper
 76 100
 78 31.5 25.5 38.3



#58
 2-Chloroethyl Vinyl ether
 Concen: 5.333 ug/l
 RT: 7.27 min Scan# 1896
 Delta R.T. 0.14 min
 Lab File: VU027120.D
 Acq: 24 Sep 2018 19:37

Tgt Ion: 63 Resp: 635
 Ion Ratio Lower Upper
 63 100
 106 0.0 18.7 28.1#

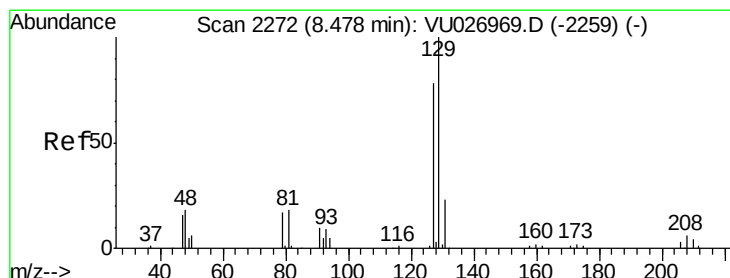
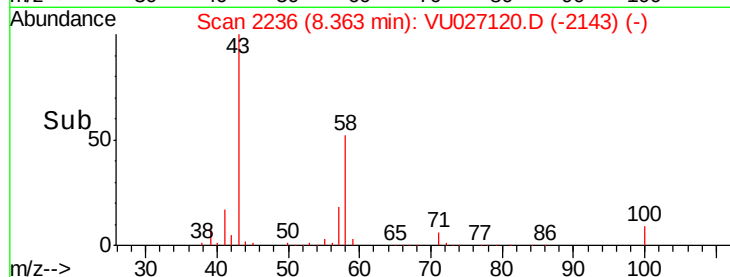
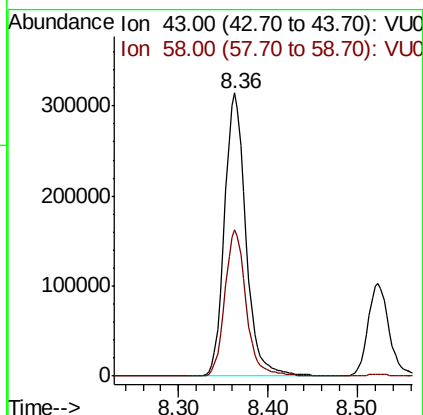
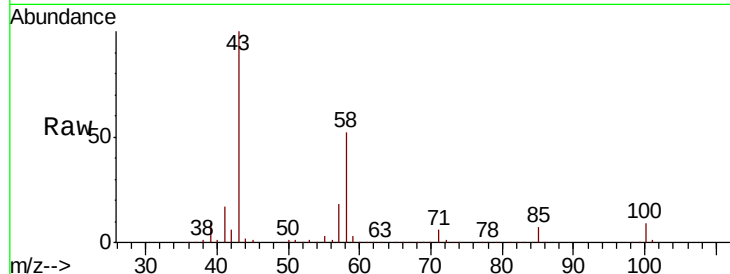




#59
2-Hexanone
Concen: 277.114 ug/l
RT: 8.36 min Scan# 2236
Delta R.T. 0.00 min
Lab File: VU027120.D
Acq: 24 Sep 2018 19:37

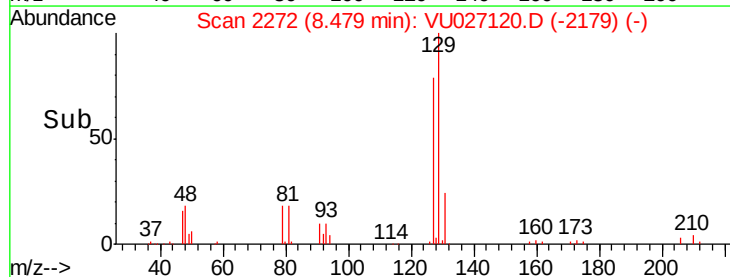
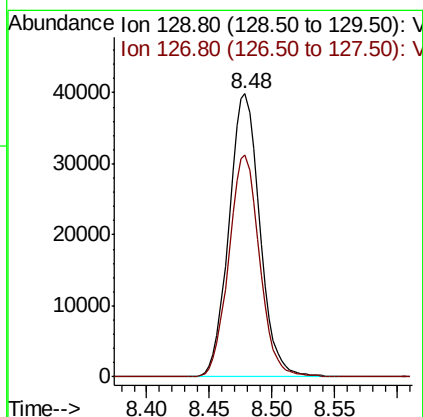
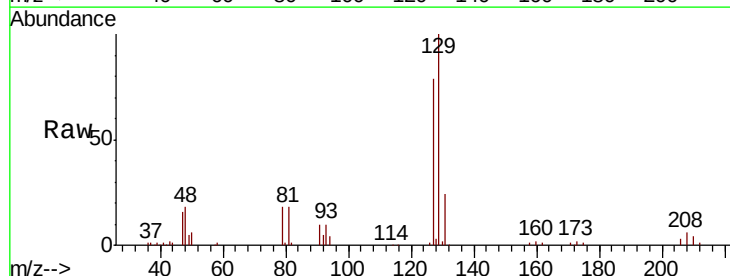
Instrument :
MSVOA_U
ClientSampleId :
SA-PZ182I-20180916MSD

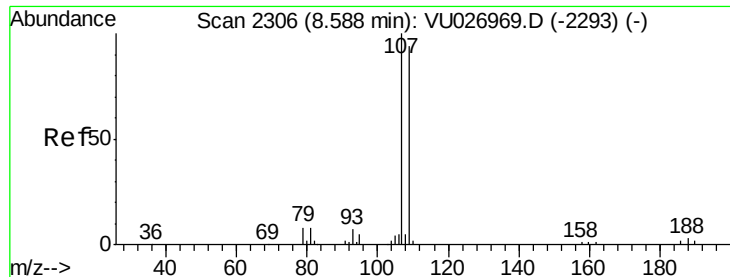
Tgt Ion: 43 Resp: 523067
Ion Ratio Lower Upper
43 100
58 51.4 26.1 78.2



#60
Dibromochloromethane
Concen: 51.917 ug/l
RT: 8.48 min Scan# 2272
Delta R.T. 0.00 min
Lab File: VU027120.D
Acq: 24 Sep 2018 19:37

Tgt Ion: 129 Resp: 68284
Ion Ratio Lower Upper
129 100
127 78.0 38.1 114.5

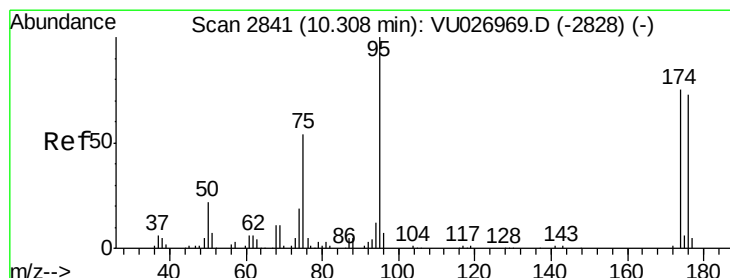
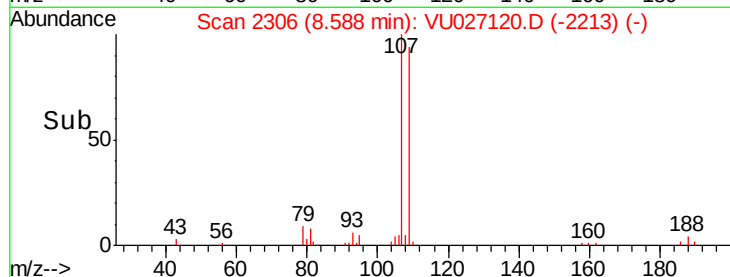
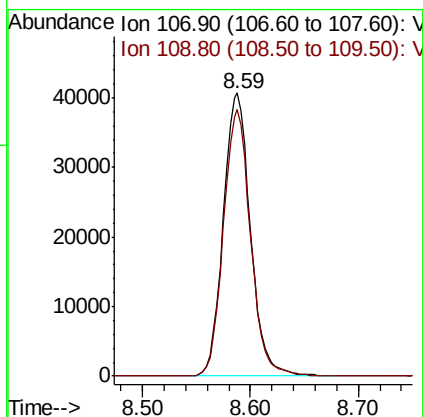
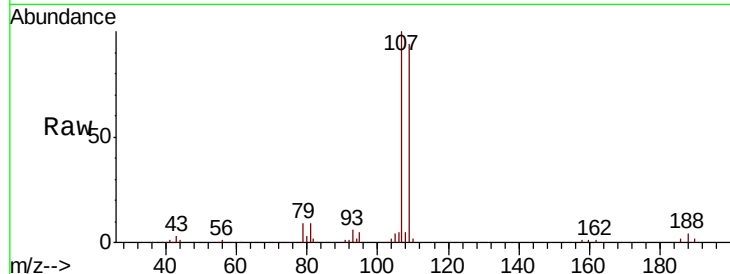




#61
 1,2-Dibromoethane
 Concen: 51.114 ug/l
 RT: 8.59 min Scan# 2306
 Delta R.T. 0.00 min
 Lab File: VU027120.D
 Acq: 24 Sep 2018 19:37

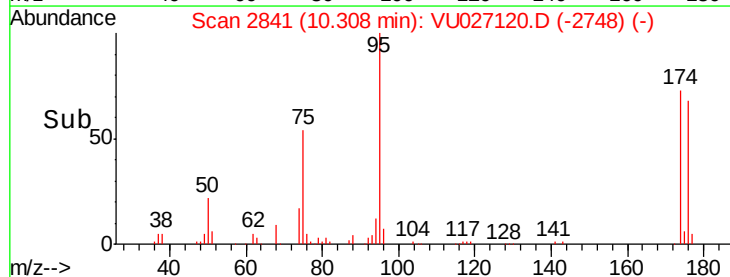
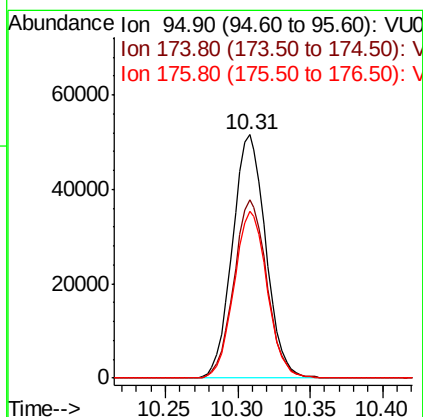
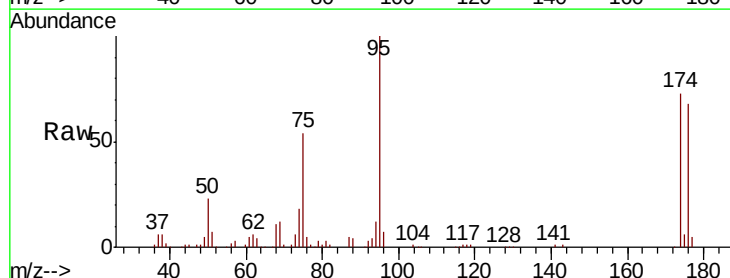
Instrument :
 MSVOA_U
 ClientSampleId :
 SA-PZ182I-20180916MSD

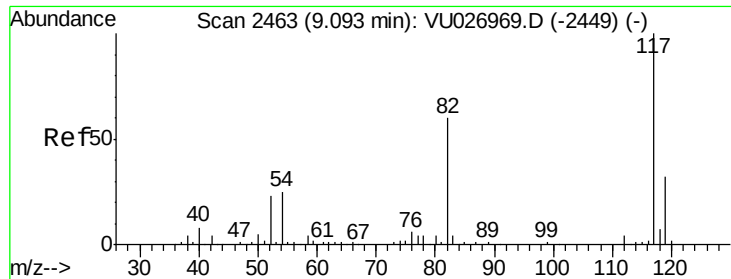
Tgt Ion: 107 Resp: 71311
 Ion Ratio Lower Upper
 107 100
 109 93.9 75.0 112.6



#62
 4-Bromofluorobenzene
 Concen: 53.360 ug/l
 RT: 10.31 min Scan# 2841
 Delta R.T. 0.00 min
 Lab File: VU027120.D
 Acq: 24 Sep 2018 19:37

Tgt Ion: 95 Resp: 82301
 Ion Ratio Lower Upper
 95 100
 174 72.5 0.0 150.2
 176 68.1 0.0 145.2

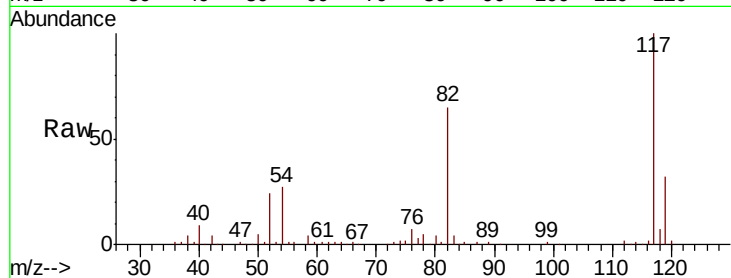




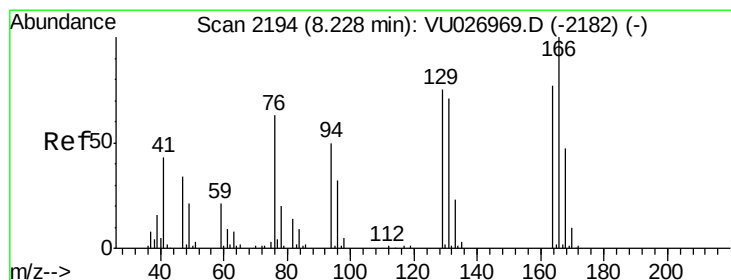
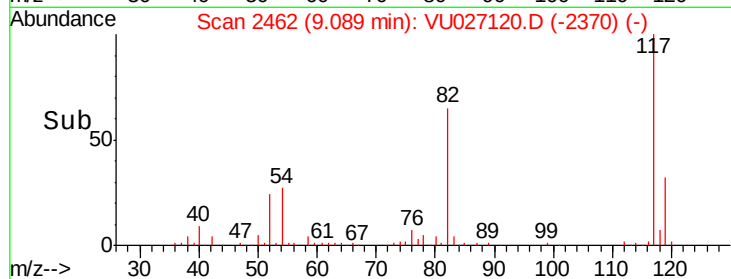
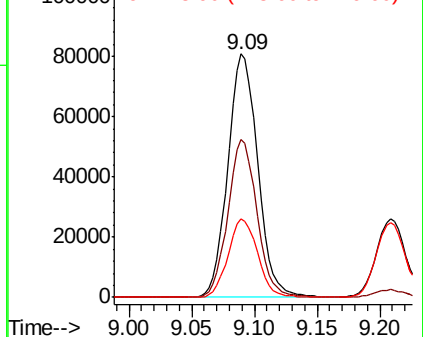
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.09 min Scan# 2462
Delta R.T. -0.00 min
Lab File: VU027120.D
Acq: 24 Sep 2018 19:37

Instrument :
MSVOA_U
ClientSampleId :
SA-PZ182I-20180916MSD

Tgt Ion:117 Resp: 134624
Ion Ratio Lower Upper
117 100
82 64.9 48.0 72.0
119 32.1 25.8 38.8

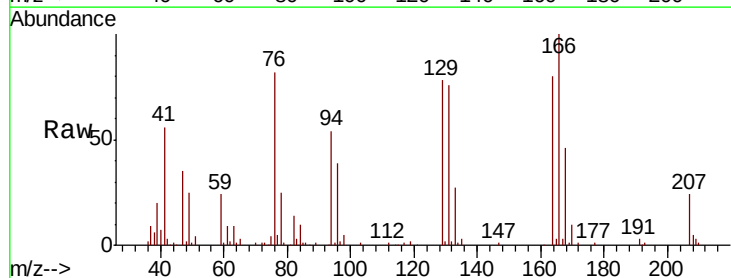


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VU027120.D (-2370) (-)
Ion 118.90 (118.60 to 119.60): V

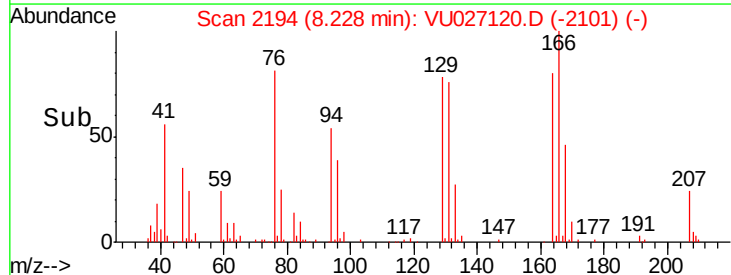
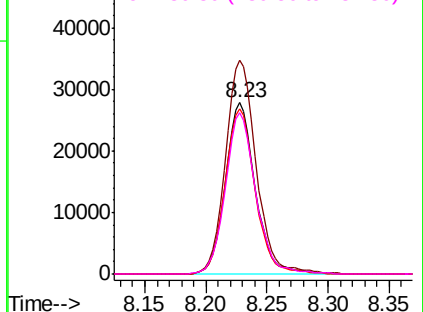


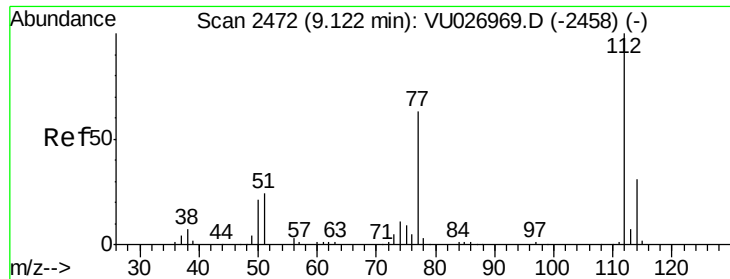
#64
Tetrachloroethene
Concen: 46.092 ug/l
RT: 8.23 min Scan# 2194
Delta R.T. 0.00 min
Lab File: VU027120.D
Acq: 24 Sep 2018 19:37

Tgt Ion:164 Resp: 47815
Ion Ratio Lower Upper
164 100
166 124.6 104.4 156.6
129 96.7 78.7 118.1
131 94.4 73.9 110.9



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

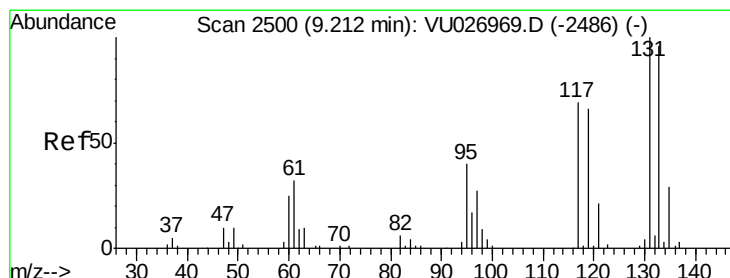
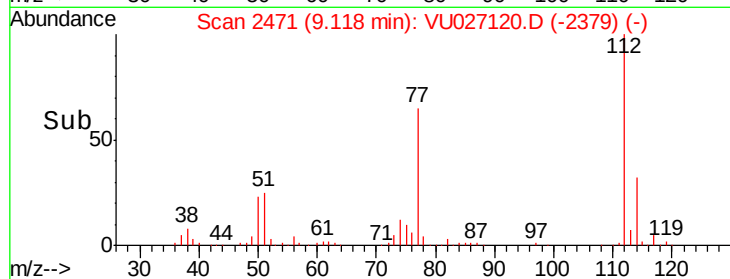
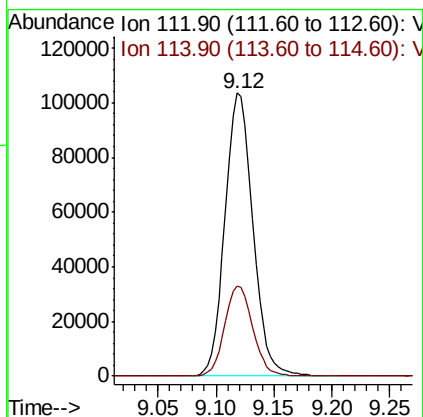
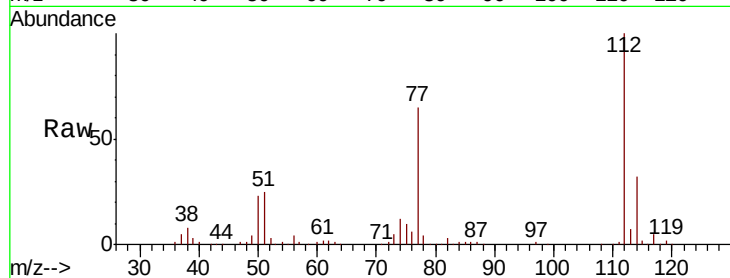




#65
Chlorobenzene
Concen: 48.280 ug/l
RT: 9.12 min Scan# 2471
Delta R.T. -0.00 min
Lab File: VU027120.D
Acq: 24 Sep 2018 19:37

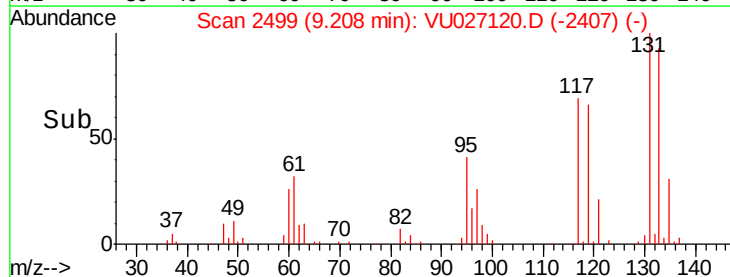
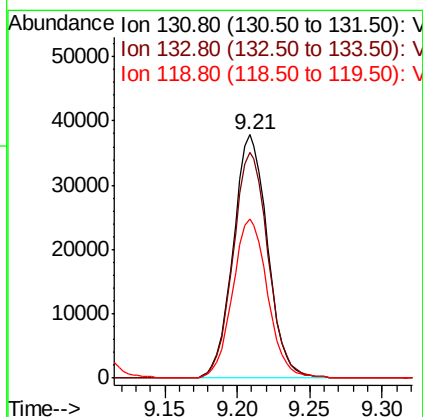
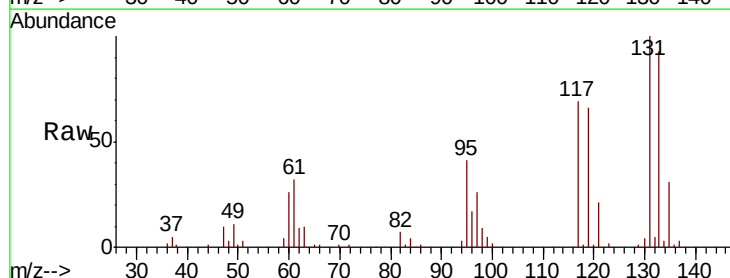
Instrument :
MSVOA_U
ClientSampleId :
SA-PZ182I-20180916MSD

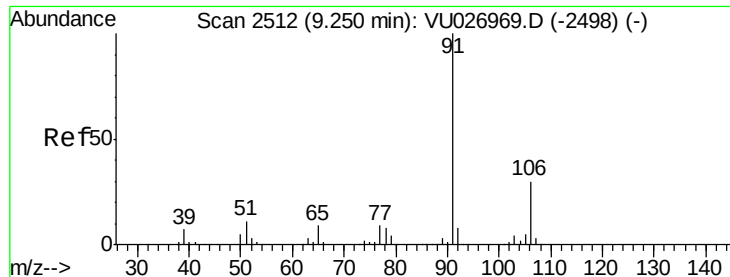
Tgt Ion:112 Resp: 172337
Ion Ratio Lower Upper
112 100
114 32.0 25.0 37.6



#66
1,1,1,2-Tetrachloroethane
Concen: 50.704 ug/l
RT: 9.21 min Scan# 2499
Delta R.T. -0.00 min
Lab File: VU027120.D
Acq: 24 Sep 2018 19:37

Tgt Ion:131 Resp: 62340
Ion Ratio Lower Upper
131 100
133 94.5 48.0 144.2
119 66.5 33.4 100.1

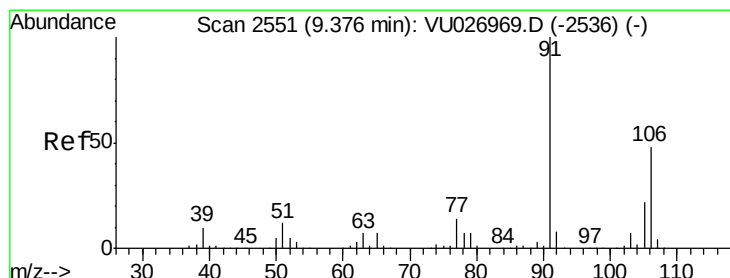
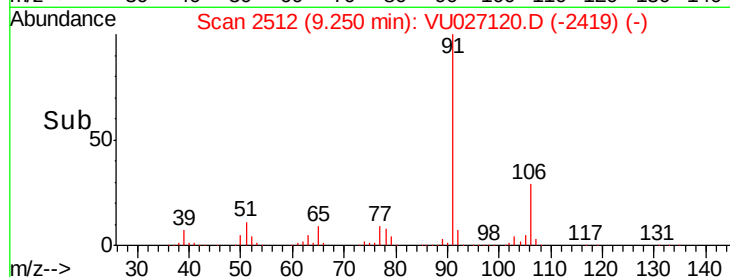
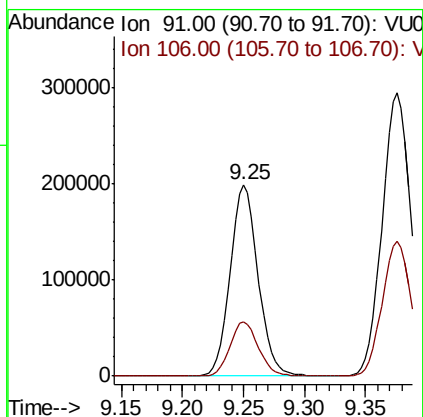
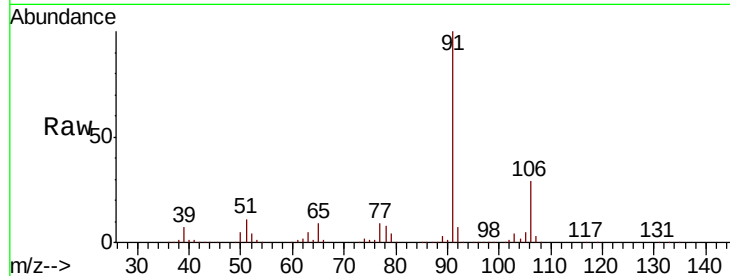




#67
 Ethyl Benzene
 Concen: 54.098 ug/l
 RT: 9.25 min Scan# 2512
 Delta R.T. 0.00 min
 Lab File: VU027120.D
 Acq: 24 Sep 2018 19:37

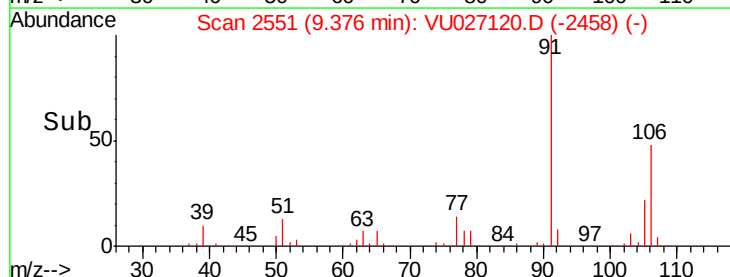
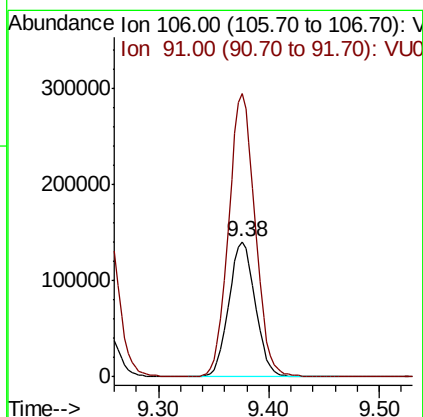
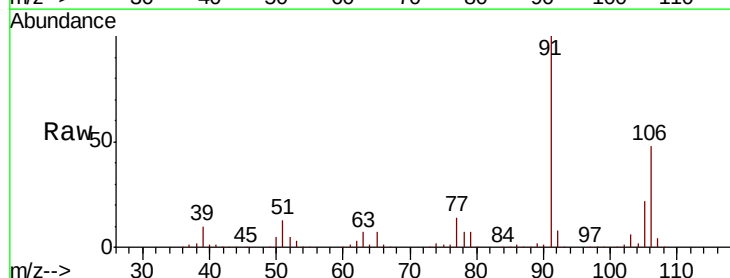
Instrument :
 MSVOA_U
 ClientSampleId :
 SA-PZ182I-20180916MSD

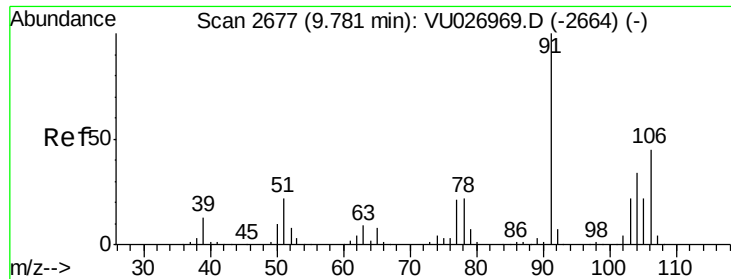
Tgt Ion: 91 Resp: 317539
 Ion Ratio Lower Upper
 91 100
 106 28.6 23.8 35.8



#68
 m/p-Xylenes
 Concen: 98.592 ug/l
 RT: 9.38 min Scan# 2551
 Delta R.T. 0.00 min
 Lab File: VU027120.D
 Acq: 24 Sep 2018 19:37

Tgt Ion: 106 Resp: 234318
 Ion Ratio Lower Upper
 106 100
 91 209.4 166.5 249.7

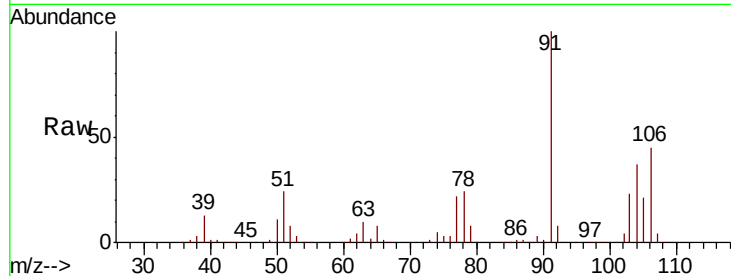




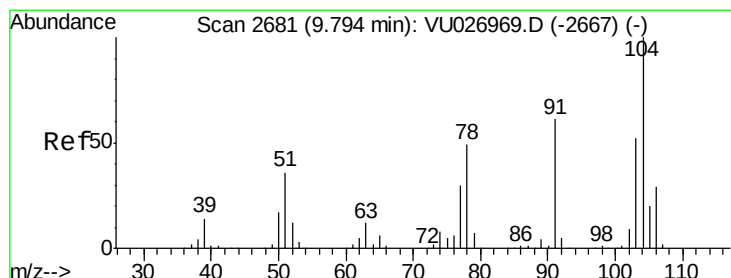
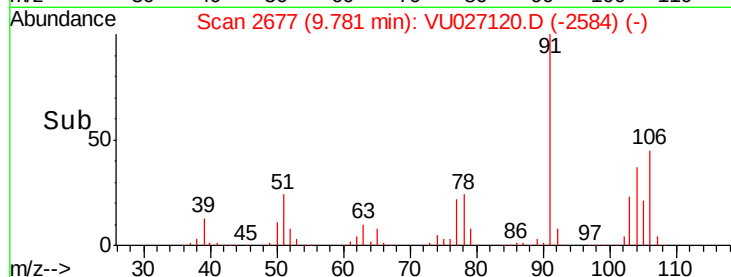
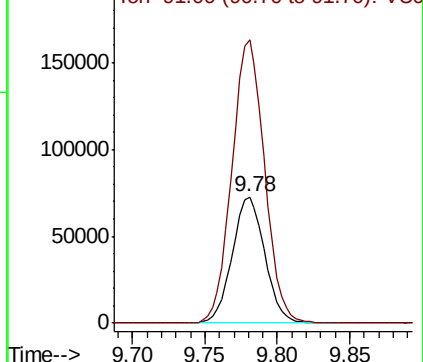
#69
o-Xylene
Concen: 54.528 ug/l
RT: 9.78 min Scan# 2677
Delta R.T. 0.00 min
Lab File: VU027120.D
Acq: 24 Sep 2018 19:37

Instrument :
MSVOA_U
ClientSampleId :
SA-PZ182I-20180916MSD

Tgt Ion:106 Resp: 113404
Ion Ratio Lower Upper
106 100
91 225.6 110.2 330.6

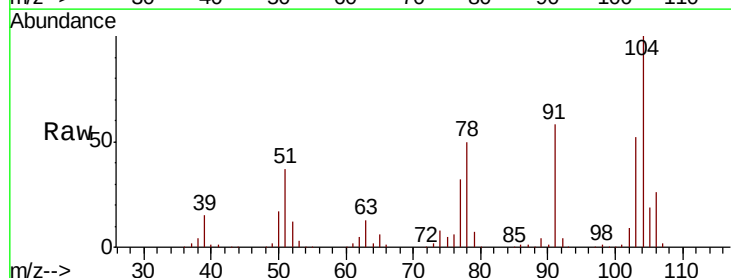


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VU0

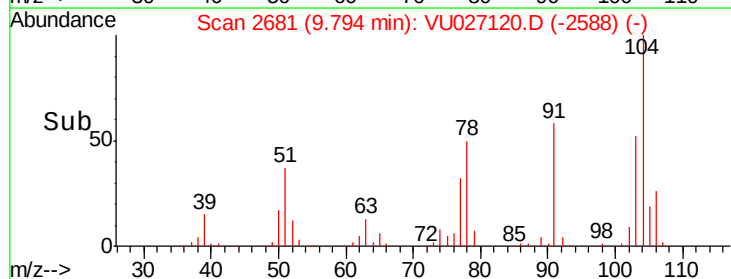
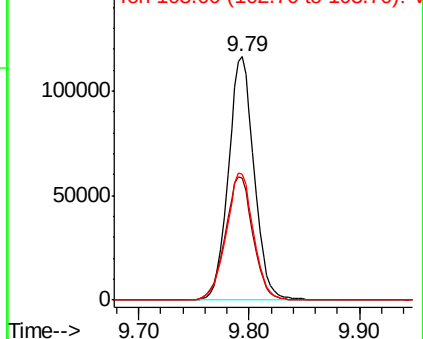


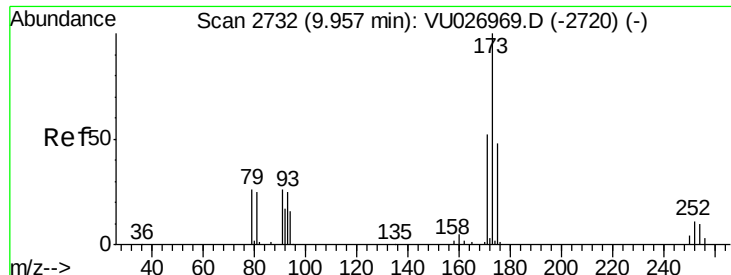
#70
Styrene
Concen: 48.471 ug/l
RT: 9.79 min Scan# 2681
Delta R.T. 0.00 min
Lab File: VU027120.D
Acq: 24 Sep 2018 19:37

Tgt Ion:104 Resp: 188001
Ion Ratio Lower Upper
104 100
78 54.6 43.0 64.4
103 55.4 44.1 66.1



Abundance Ion 104.00 (103.70 to 104.70): V
Ion 78.00 (77.70 to 78.70): VU0
Ion 103.00 (102.70 to 103.70): V





#71

Bromoform

Concen: 51.986 ug/l

RT: 9.96 min Scan# 2732

Delta R.T. 0.00 min

Lab File: VU027120.D

Acq: 24 Sep 2018 19:37

Instrument :

MSVOA_U

ClientSampleId :

SA-PZ182I-20180916MSD

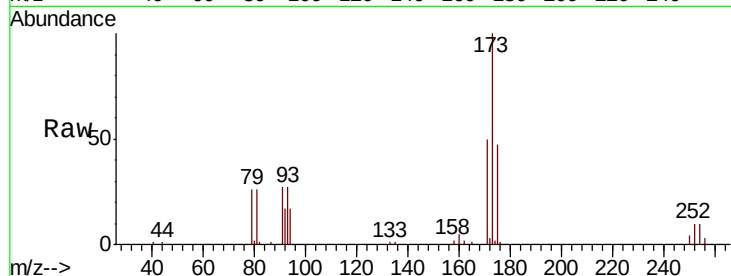
Tgt Ion:173 Resp: 49427

Ion Ratio Lower Upper

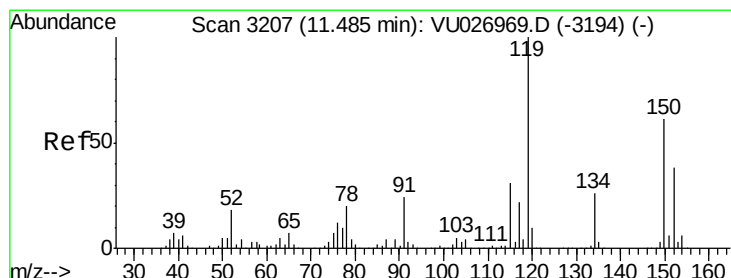
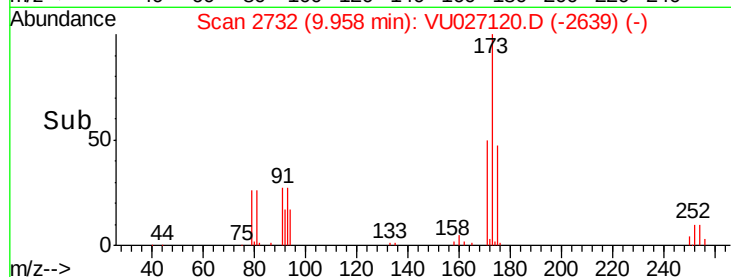
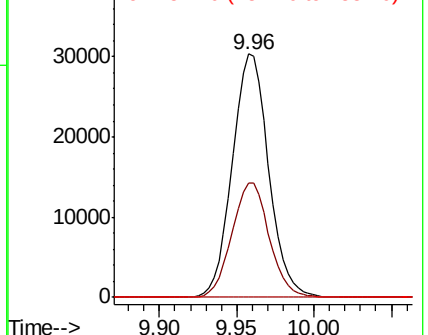
173 100

175 48.1 23.9 71.8

254 0.0 0.0 0.0



Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 11.48 min Scan# 3207

Delta R.T. 0.00 min

Lab File: VU027120.D

Acq: 24 Sep 2018 19:37

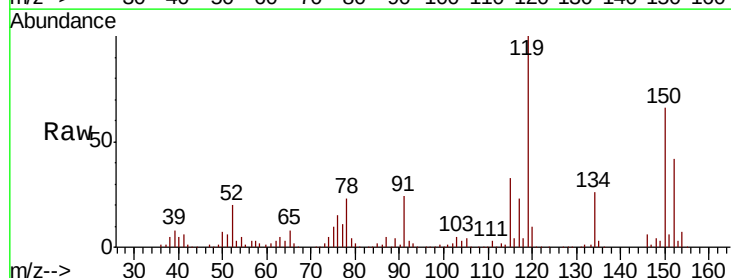
Tgt Ion:152 Resp: 72140

Ion Ratio Lower Upper

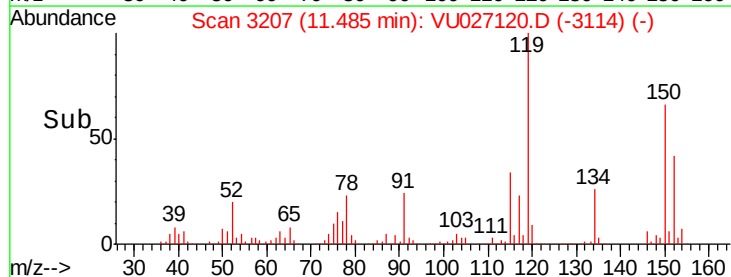
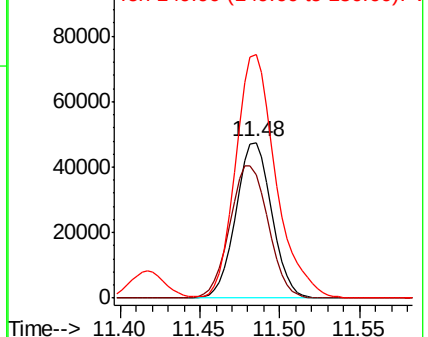
152 100

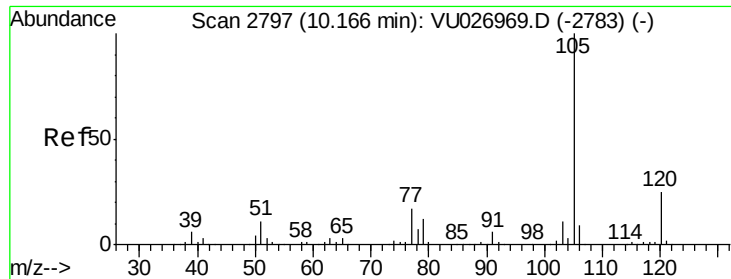
115 91.7 44.9 134.5

150 176.6 0.0 355.8



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: 55.413 ug/l

RT: 10.17 min Scan# 2797

Delta R.T. 0.00 min

Lab File: VU027120.D

Acq: 24 Sep 2018 19:37

Instrument :

MSVOA_U

ClientSampleId :

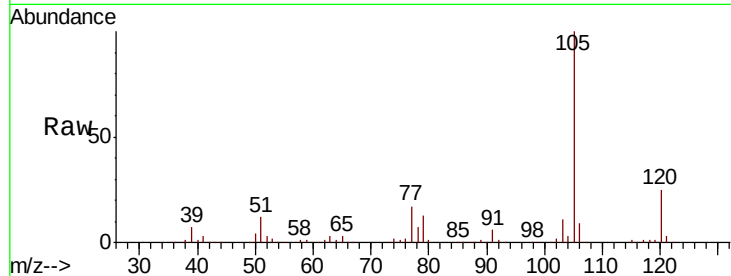
SA-PZ182I-20180916MSD

Tgt Ion: 105 Resp: 304084

Ion Ratio Lower Upper

105 100

120 25.3 12.8 38.4



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

200000

150000

100000

50000

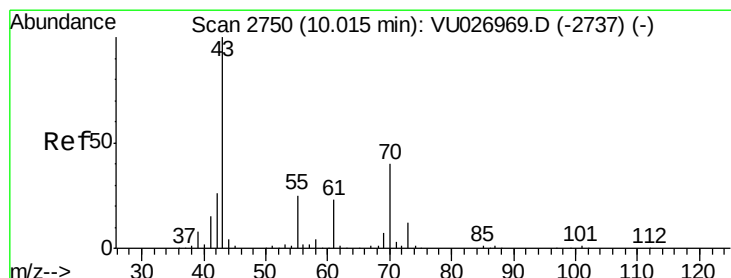
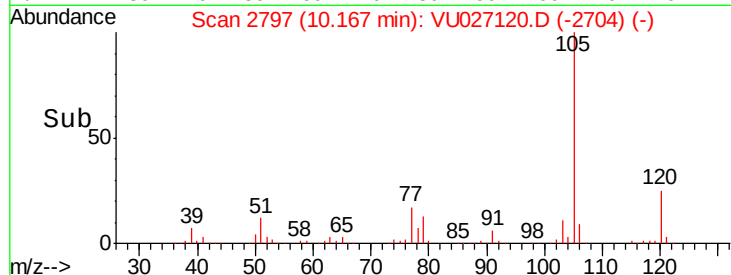
0

10.10

10.17

10.20

Time-->



#74

N-ethyl acetate

Concen: 52.455 ug/l

RT: 10.01 min Scan# 2749

Delta R.T. -0.00 min

Lab File: VU027120.D

Acq: 24 Sep 2018 19:37

Tgt Ion: 43 Resp: 166620

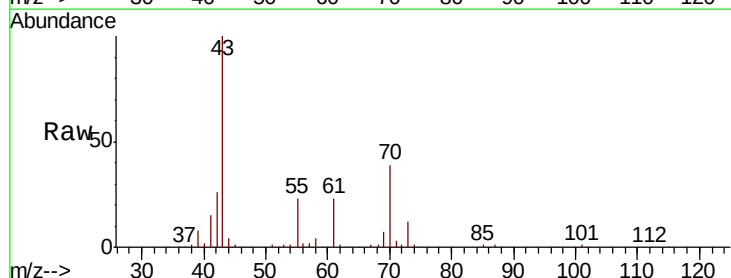
Ion Ratio Lower Upper

43 100

70 38.2 31.8 47.8

55 23.4 19.9 29.9

61 22.8 18.4 27.6



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

150000

100000

50000

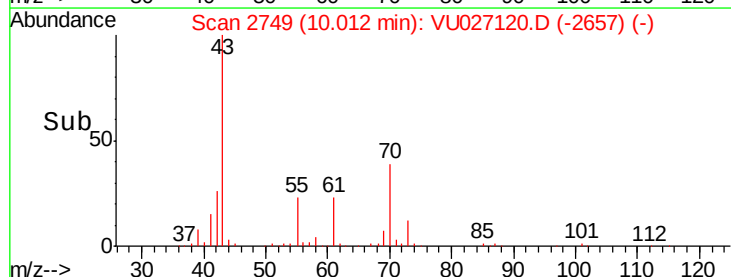
0

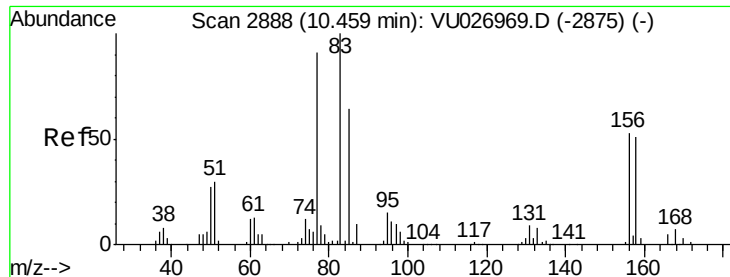
9.90

10.01

10.10

Time-->





#75

1,1,2,2-Tetrachloroethane

Concen: 48.841 ug/l

RT: 10.46 min Scan# 2888

Delta R.T. 0.00 min

Lab File: VU027120.D

Acq: 24 Sep 2018 19:37

Instrument :

MSVOA_U

ClientSampleId :

SA-PZ182I-20180916MSD

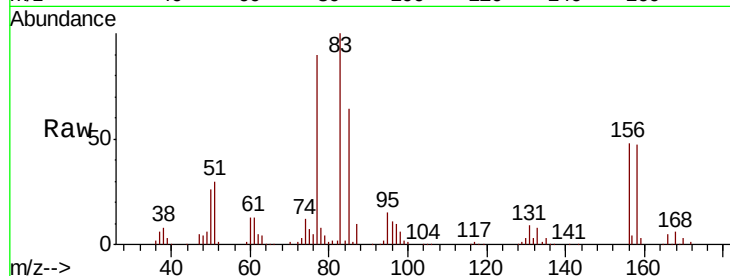
Tgt Ion: 83 Resp: 123229

Ion Ratio Lower Upper

83 100

131 8.3 4.3 12.8

85 63.5 31.9 95.7

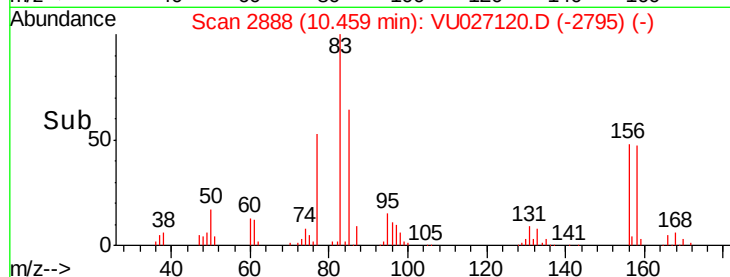


Abundance Ion 82.90 (82.60 to 83.60): VU027120.D (-2795) (-)

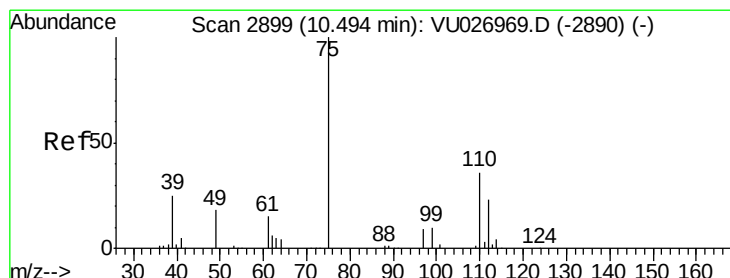
Ion 130.80 (130.50 to 131.50): VU027120.D (-2795) (-)

Ion 84.90 (84.60 to 85.60): VU027120.D (-2795) (-)

Time-->



Time-->



#76

1,2,3-Trichloropropane

Concen: 65.107 ug/l

RT: 10.49 min Scan# 2899

Delta R.T. 0.00 min

Lab File: VU027120.D

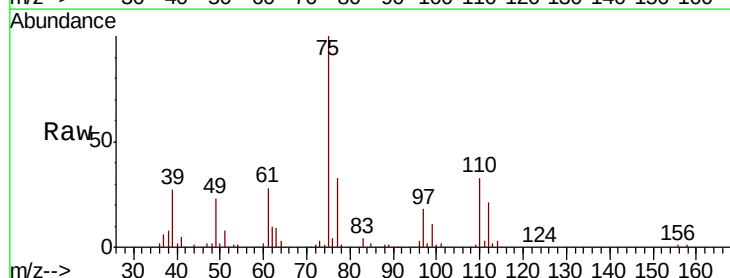
Acq: 24 Sep 2018 19:37

Tgt Ion: 75 Resp: 142689

Ion Ratio Lower Upper

75 100

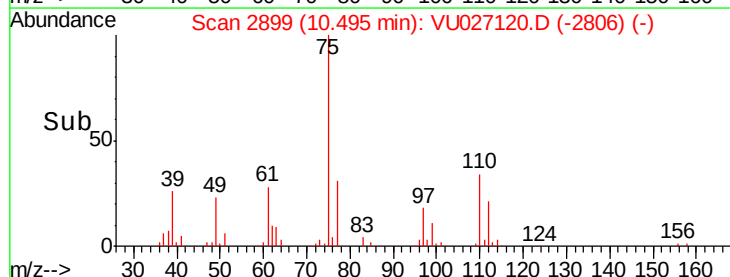
77 31.1 20.9 62.8



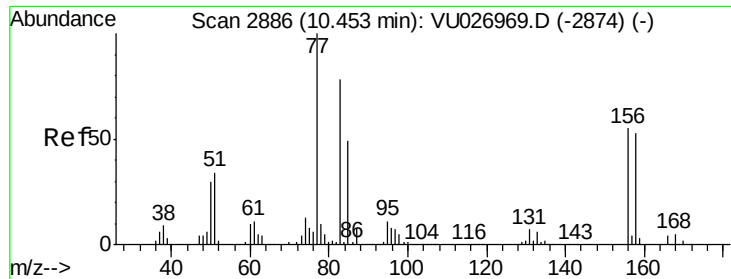
Abundance Ion 74.90 (74.60 to 75.60): VU027120.D (-2806) (-)

Ion 77.00 (76.70 to 77.70): VU027120.D (-2806) (-)

Time-->



Time-->



#77

Bromobenzene

Concen: 51.325 ug/l

RT: 10.45 min Scan# 2886

Delta R.T. 0.00 min

Lab File: VU027120.D

Acq: 24 Sep 2018 19:37

Instrument :

MSVOA_U

ClientSampleId :

SA-PZ182I-20180916MSD

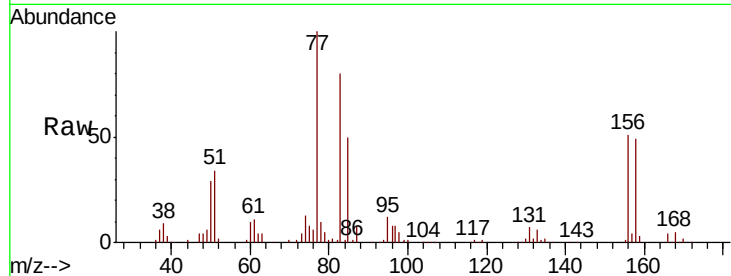
Tgt Ion:156 Resp: 68827

Ion Ratio Lower Upper

156 100

77 196.2 92.3 276.9

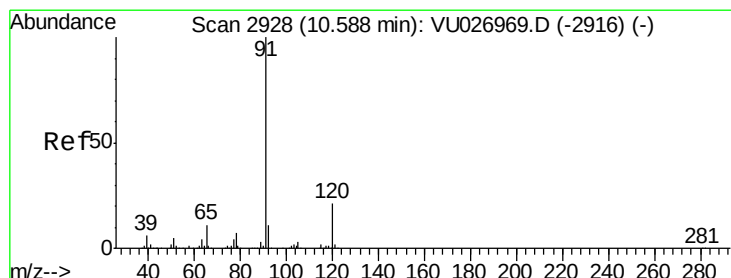
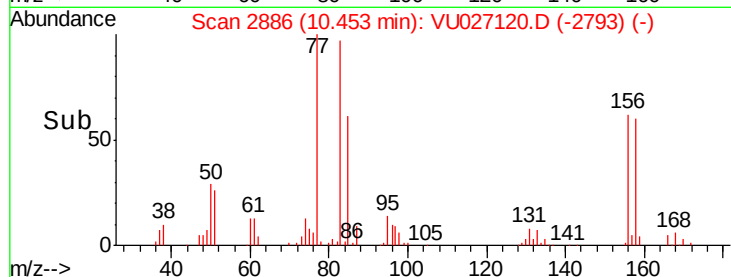
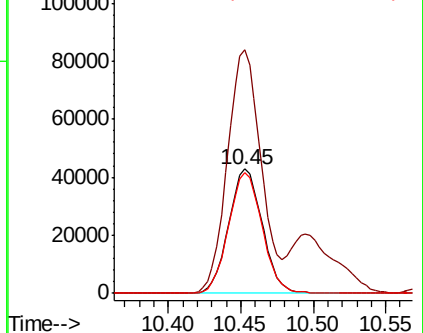
158 97.0 48.1 144.3



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: 57.335 ug/l

RT: 10.59 min Scan# 2928

Delta R.T. 0.00 min

Lab File: VU027120.D

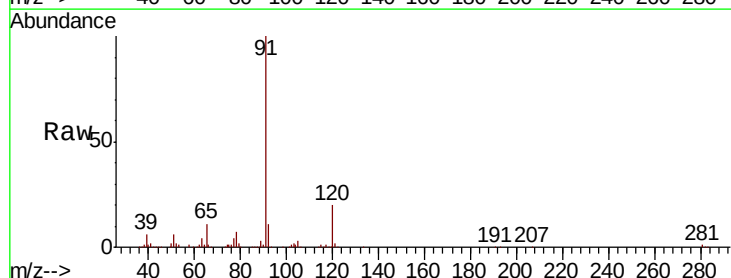
Acq: 24 Sep 2018 19:37

Tgt Ion: 91 Resp: 372281

Ion Ratio Lower Upper

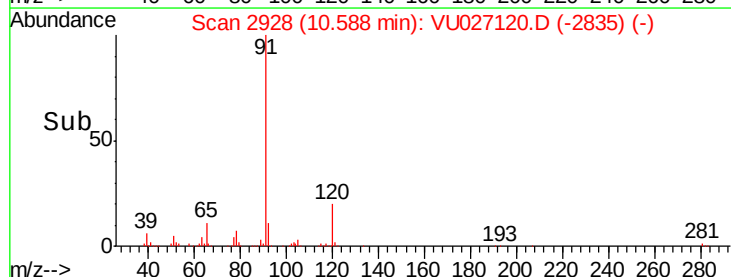
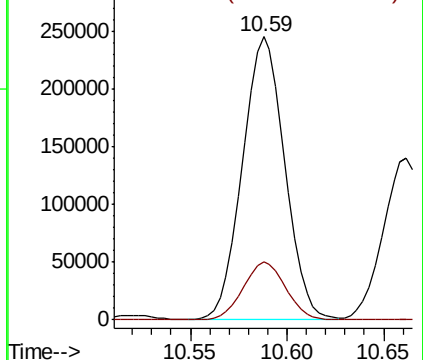
91 100

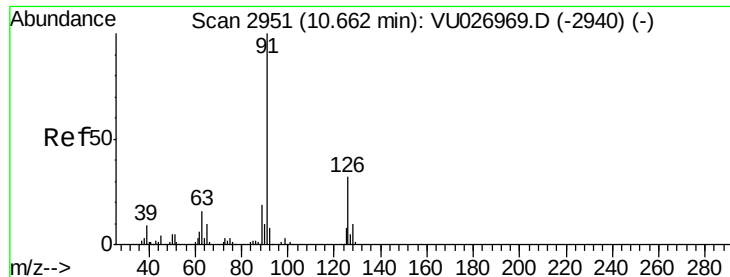
120 20.5 10.6 31.8



Abundance Ion 91.00 (90.70 to 91.70): VU0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 53.481 ug/l

RT: 10.66 min Scan# 2951

Delta R.T. 0.00 min

Lab File: VU027120.D

Acq: 24 Sep 2018 19:37

Instrument :

MSVOA_U

ClientSampleId :

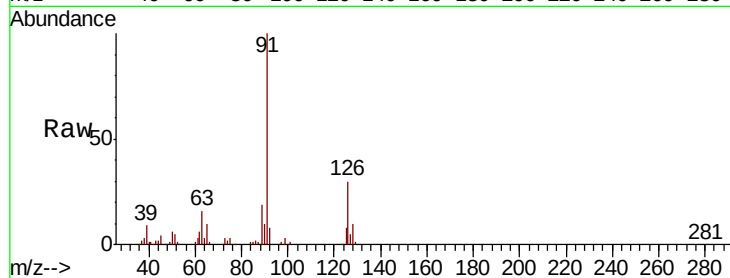
SA-PZ182I-20180916MSD

Tgt Ion: 91 Resp: 218123

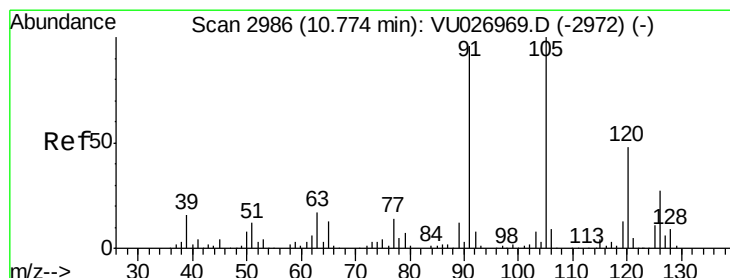
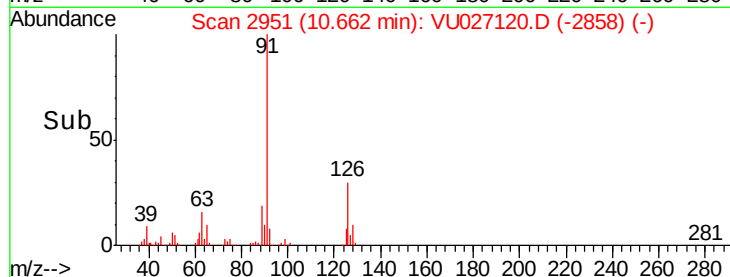
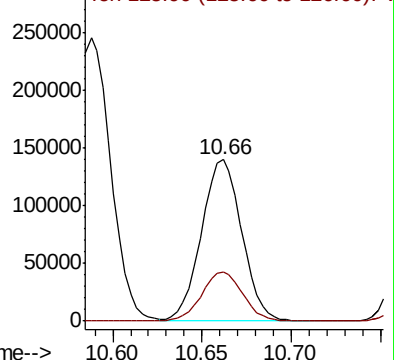
Ion Ratio Lower Upper

91 100

126 31.1 15.8 47.3



Abundance Ion 91.00 (90.70 to 91.70): VU026969.D (-2940) (-)



#80

1,3,5-Trimethylbenzene

Concen: 55.994 ug/l

RT: 10.77 min Scan# 2985

Delta R.T. -0.00 min

Lab File: VU027120.D

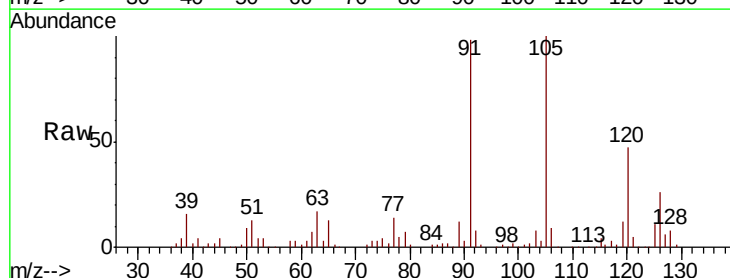
Acq: 24 Sep 2018 19:37

Tgt Ion: 105 Resp: 253647

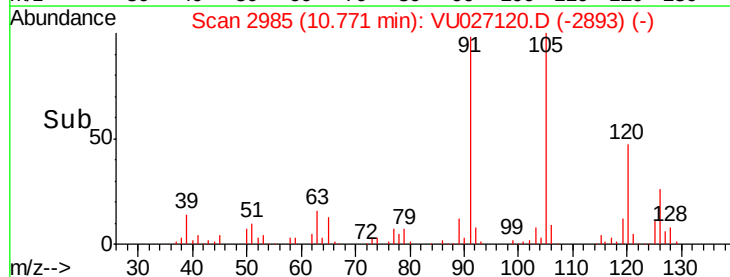
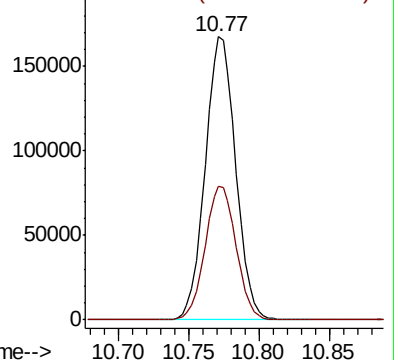
Ion Ratio Lower Upper

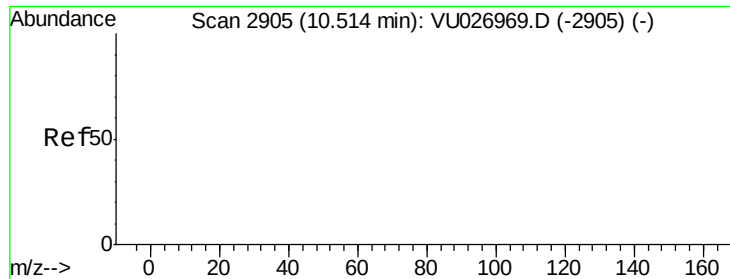
105 100

120 48.0 23.9 71.7



Abundance Ion 105.00 (104.70 to 105.70): VU026969.D (-2972) (-)

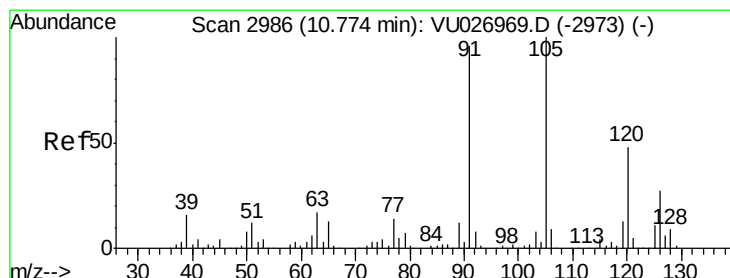
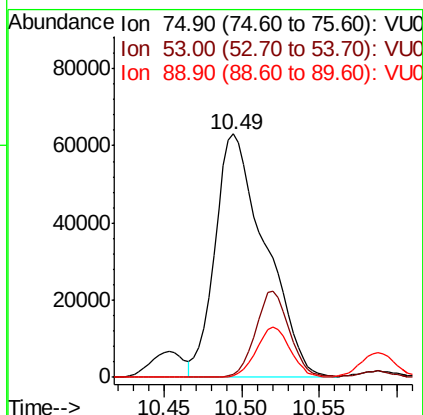
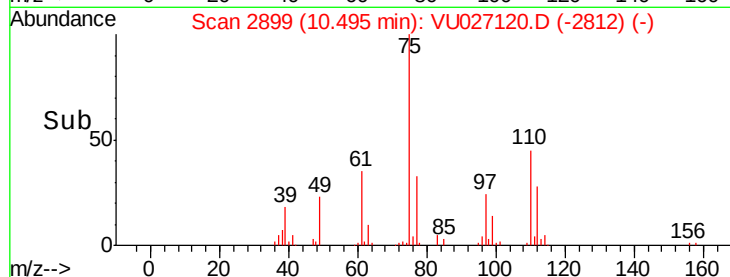
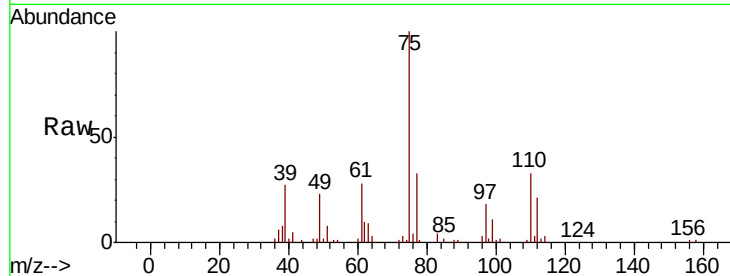




#81
trans-1,4-Dichloro-2-butene
Concen: 208.355 ug/l
RT: 10.49 min Scan# 2899
Delta R.T. -0.02 min
Lab File: VU027120.D
Acq: 24 Sep 2018 19:37

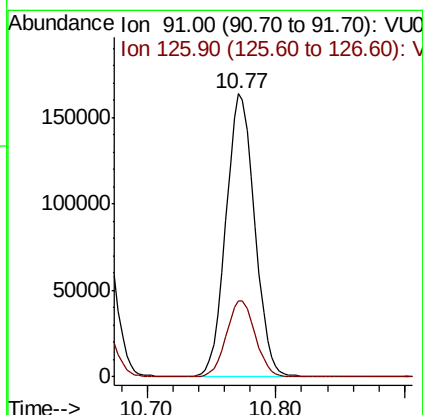
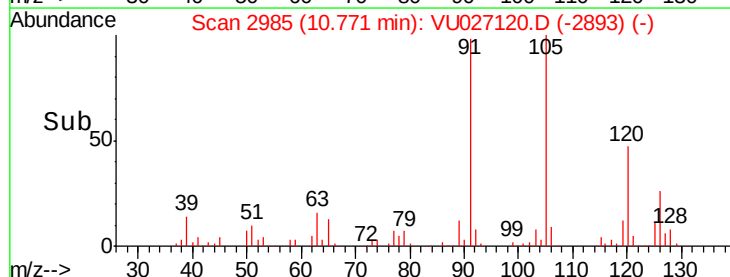
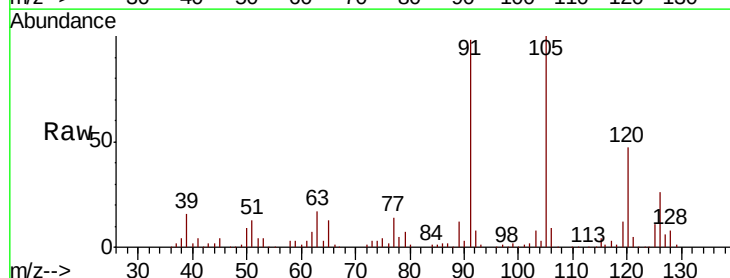
Instrument :
MSVOA_U
ClientSampleId :
SA-PZ182I-20180916MSD

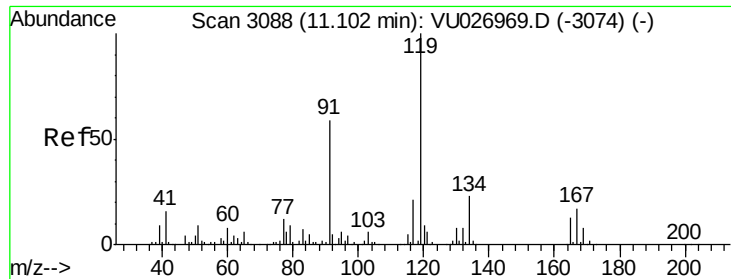
Tgt Ion: 75 Resp: 142689
Ion Ratio Lower Upper
75 100
53 0.0 0.0 0.0
89 0.0 0.0 0.0



#82
4-Chlorotoluene
Concen: 55.054 ug/l
RT: 10.77 min Scan# 2985
Delta R.T. -0.00 min
Lab File: VU027120.D
Acq: 24 Sep 2018 19:37

Tgt Ion: 91 Resp: 251773
Ion Ratio Lower Upper
91 100
126 27.1 14.1 42.2

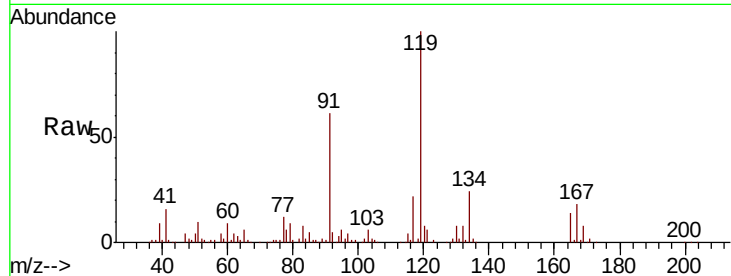




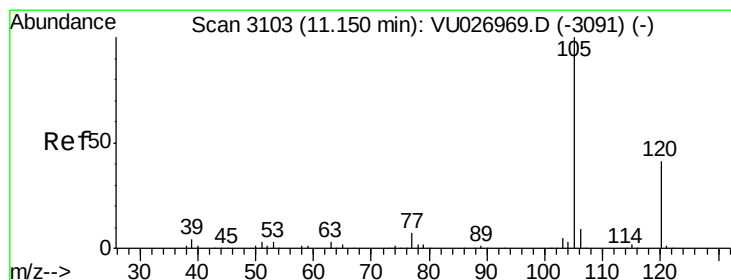
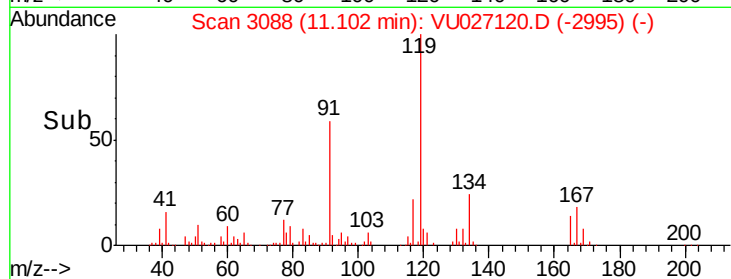
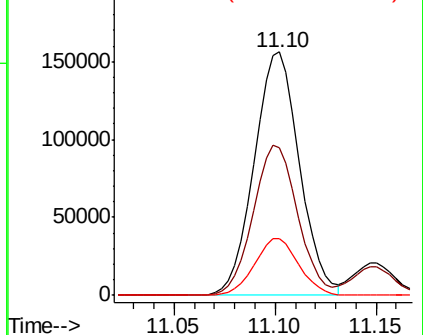
#83
 tert-Butylbenzene
 Concen: 54.623 ug/l
 RT: 11.10 min Scan# 3088
 Delta R.T. 0.00 min
 Lab File: VU027120.D
 Acq: 24 Sep 2018 19:37

Instrument :
 MSVOA_U
 ClientSampleId :
 SA-PZ182I-20180916MSD

Tgt Ion:119 Resp: 244631
 Ion Ratio Lower Upper
 119 100
 91 60.8 29.8 89.4
 134 23.0 11.5 34.4

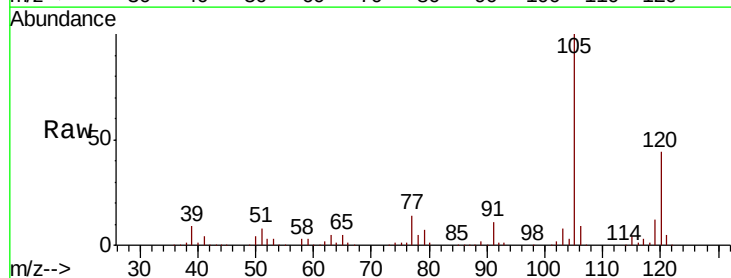


Abundance Ion 119.00 (118.70 to 119.70): V
 Ion 91.00 (90.70 to 91.70): V
 Ion 134.00 (133.70 to 134.70): V

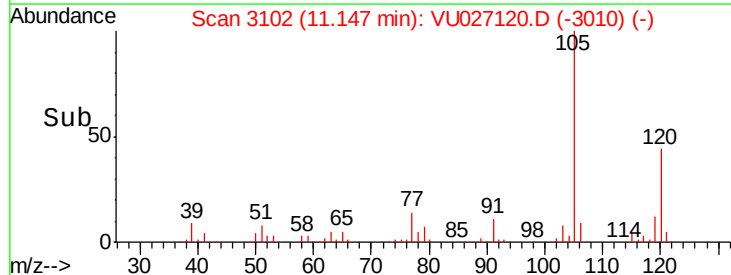
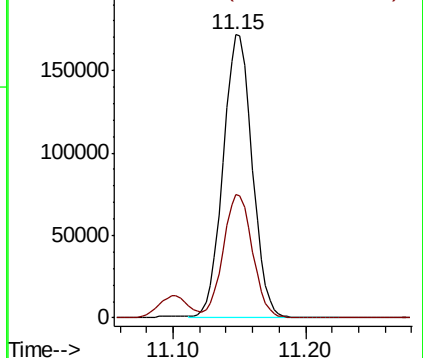


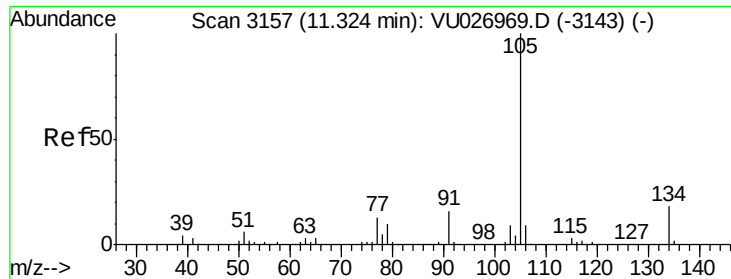
#84
 1,2,4-Trimethylbenzene
 Concen: 56.759 ug/l
 RT: 11.15 min Scan# 3102
 Delta R.T. -0.00 min
 Lab File: VU027120.D
 Acq: 24 Sep 2018 19:37

Tgt Ion:105 Resp: 261660
 Ion Ratio Lower Upper
 105 100
 120 43.8 22.4 67.2



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

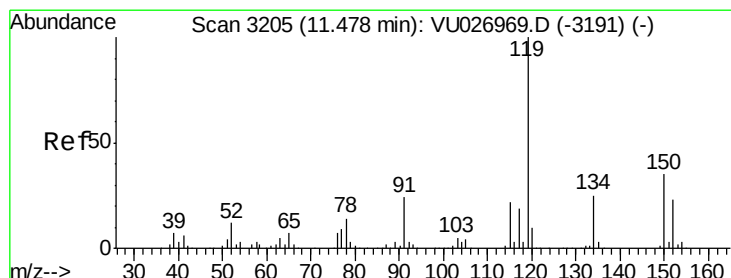
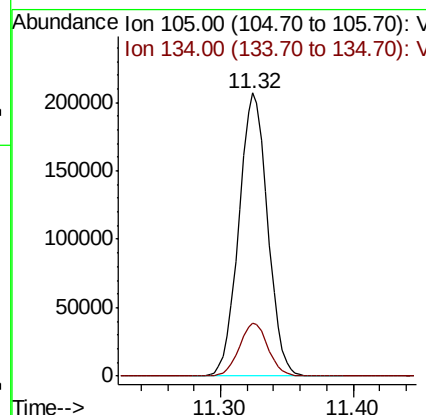
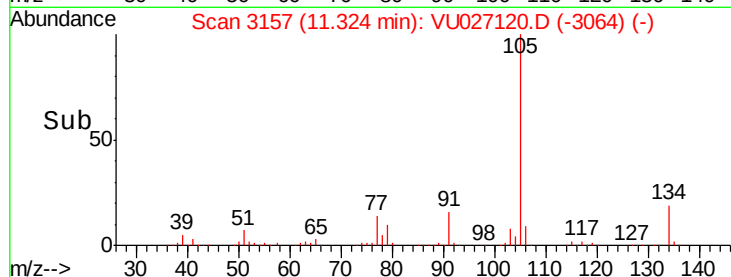
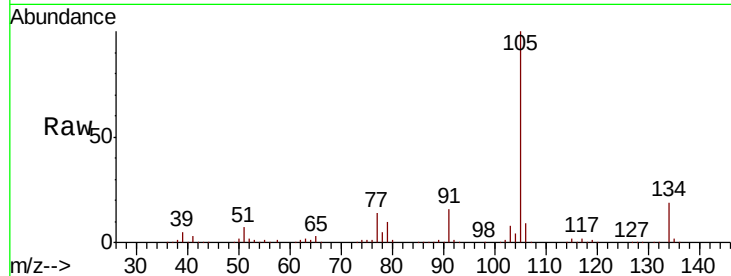




#85
 sec-Butylbenzene
 Concen: 56.909 ug/l
 RT: 11.32 min Scan# 3157
 Delta R.T. 0.00 min
 Lab File: VU027120.D
 Acq: 24 Sep 2018 19:37

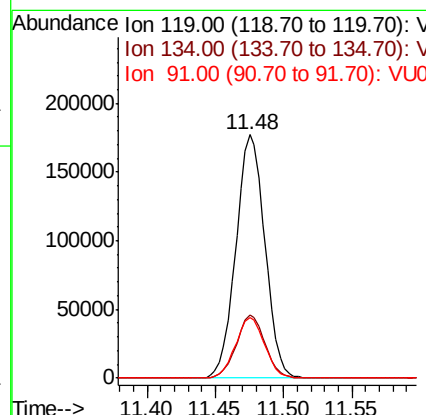
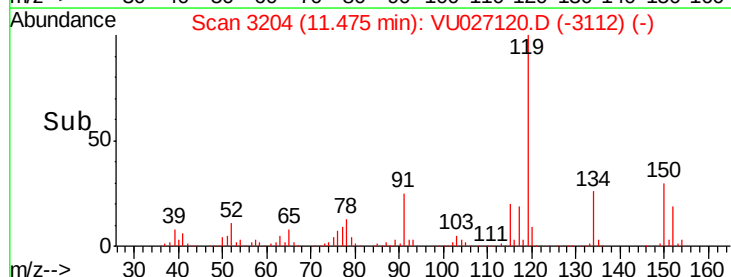
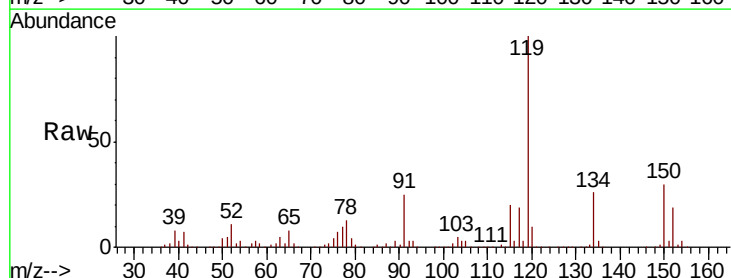
Instrument :
 MSVOA_U
 ClientSampleId :
 SA-PZ182I-20180916MSD

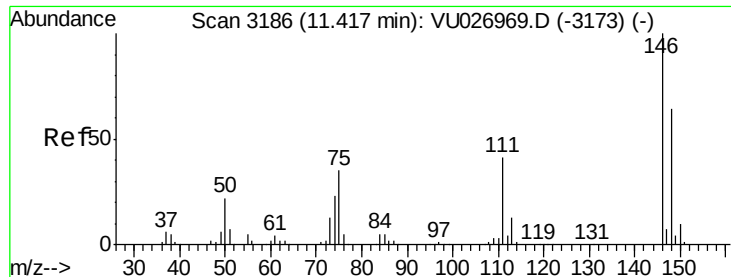
Tgt Ion:105 Resp: 311115
 Ion Ratio Lower Upper
 105 100
 134 18.6 9.4 28.2



#86
 p-Isopropyltoluene
 Concen: 50.912 ug/l
 RT: 11.48 min Scan# 3204
 Delta R.T. -0.00 min
 Lab File: VU027120.D
 Acq: 24 Sep 2018 19:37

Tgt Ion:119 Resp: 261255
 Ion Ratio Lower Upper
 119 100
 134 25.5 12.8 38.3
 91 25.1 12.3 36.8

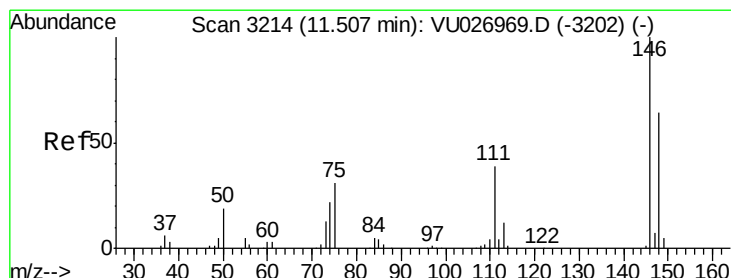
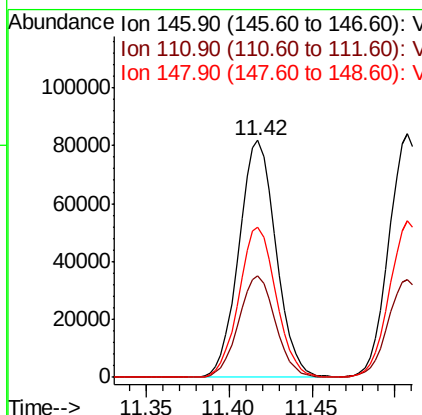
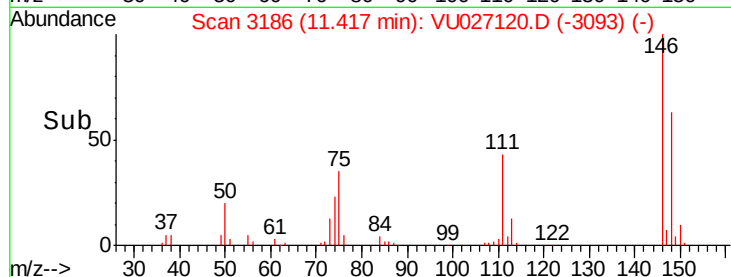
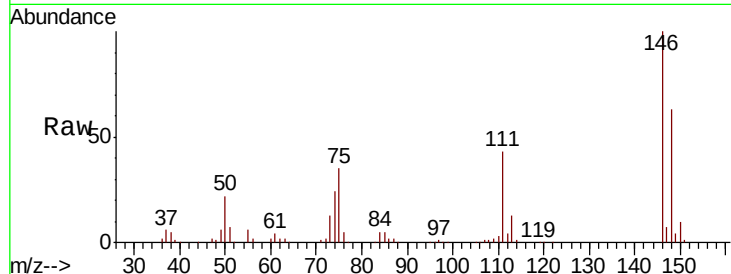




#87
 1,3-Dichlorobenzene
 Concen: 51.017 ug/l
 RT: 11.42 min Scan# 3186
 Delta R.T. 0.00 min
 Lab File: VU027120.D
 Acq: 24 Sep 2018 19:37

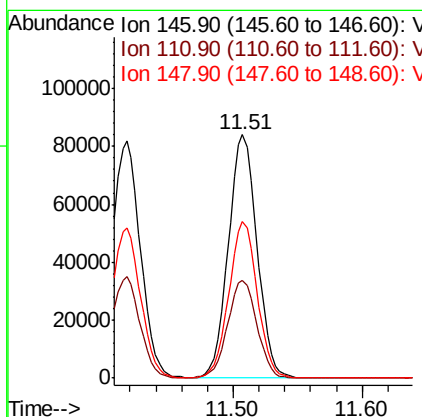
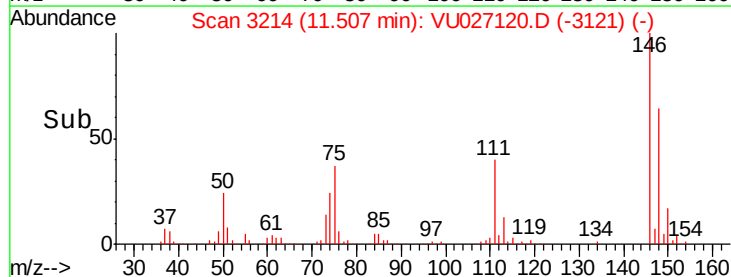
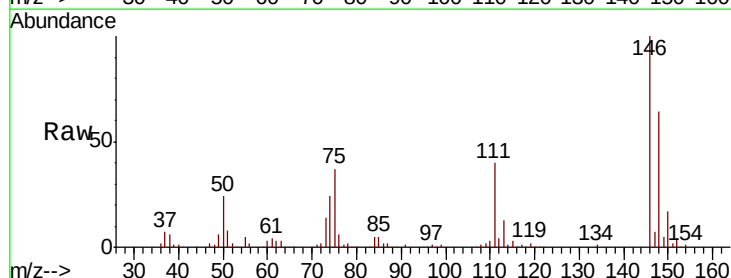
Instrument :
 MSVOA_U
 ClientSampleId :
 SA-PZ182I-20180916MSD

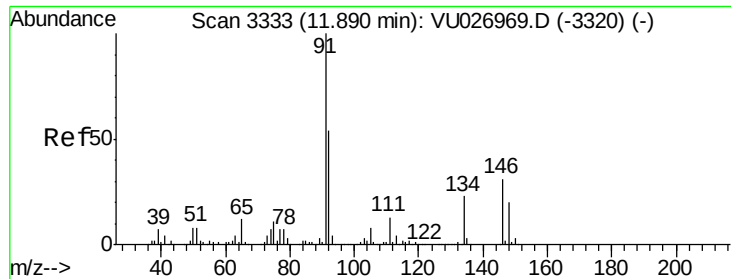
Tgt Ion:146 Resp: 127311
 Ion Ratio Lower Upper
 146 100
 111 42.5 20.8 62.2
 148 63.5 32.0 96.2



#88
 1,4-Dichlorobenzene
 Concen: 47.644 ug/l
 RT: 11.51 min Scan# 3214
 Delta R.T. 0.00 min
 Lab File: VU027120.D
 Acq: 24 Sep 2018 19:37

Tgt Ion:146 Resp: 129579
 Ion Ratio Lower Upper
 146 100
 111 41.2 20.3 60.9
 148 63.8 31.9 95.9

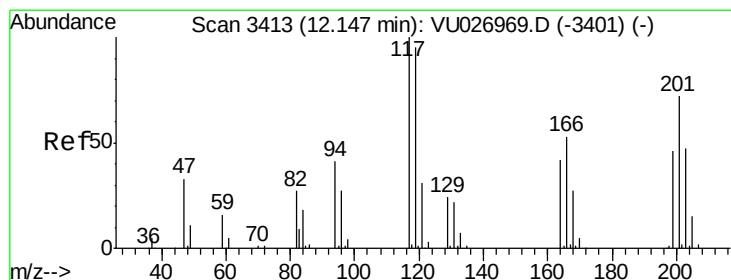
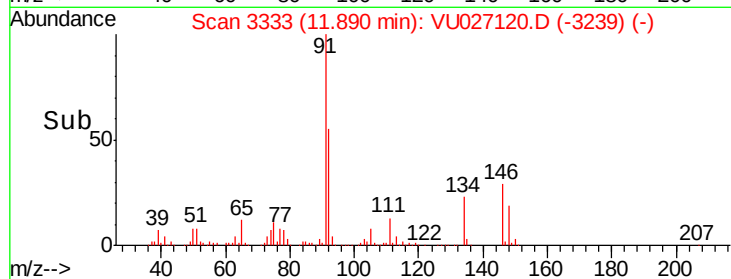
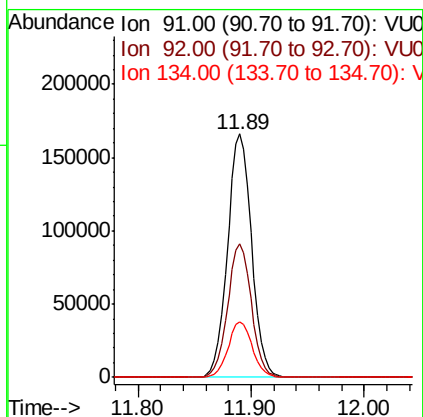
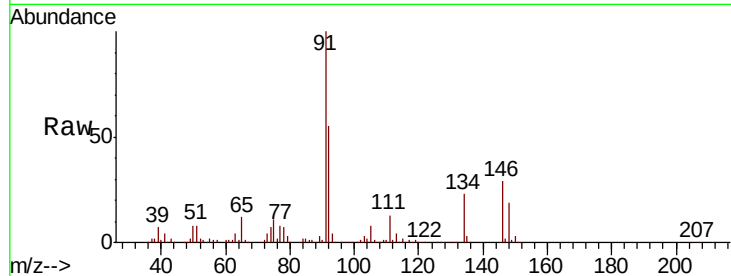




#89
n-Butylbenzene
Concen: 49.394 ug/l
RT: 11.89 min Scan# 3333
Delta R.T. 0.00 min
Lab File: VU027120.D
Acq: 24 Sep 2018 19:37

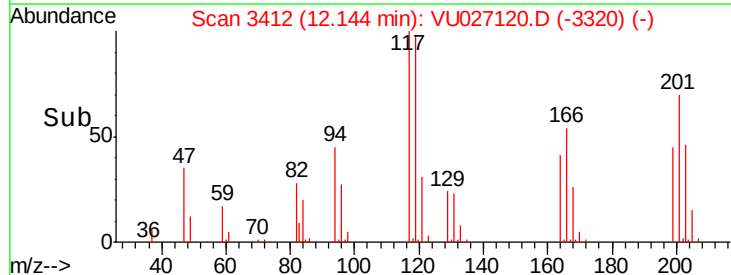
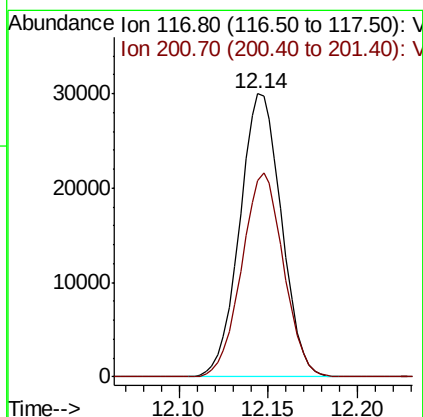
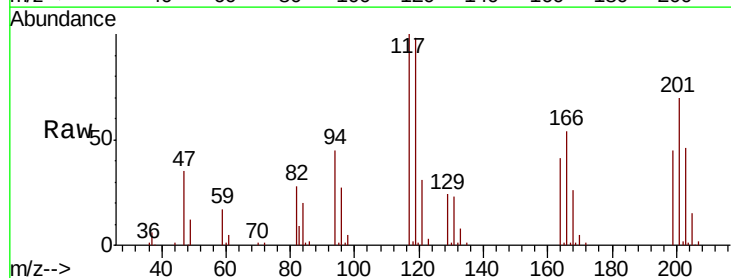
Instrument :
MSVOA_U
ClientSampleId :
SA-PZ182I-20180916MSD

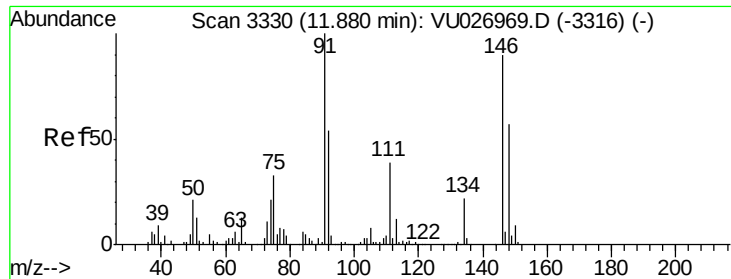
Tgt Ion: 91 Resp: 245469
Ion Ratio Lower Upper
91 100
92 54.0 27.1 81.2
134 22.9 11.7 35.0



#90
Hexachloroethane
Concen: 49.285 ug/l
RT: 12.14 min Scan# 3412
Delta R.T. -0.00 min
Lab File: VU027120.D
Acq: 24 Sep 2018 19:37

Tgt Ion: 117 Resp: 48996
Ion Ratio Lower Upper
117 100
201 72.2 36.8 110.3

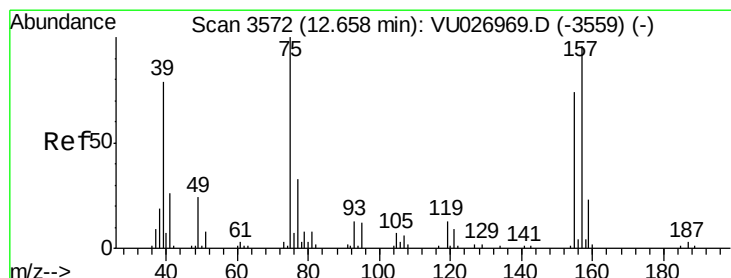
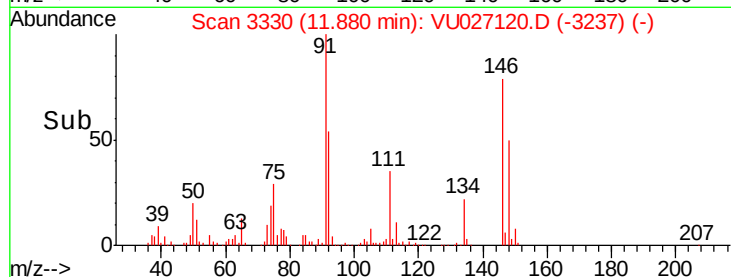
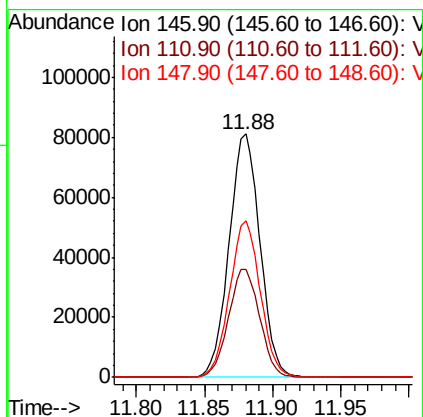
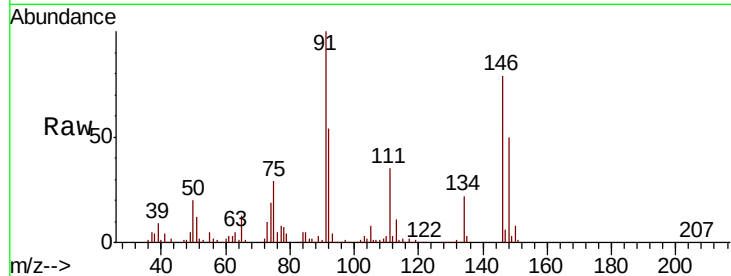




#91
 1,2-Dichlorobenzene
 Concen: 48.256 ug/l
 RT: 11.88 min Scan# 3330
 Delta R.T. 0.00 min
 Lab File: VU027120.D
 Acq: 24 Sep 2018 19:37

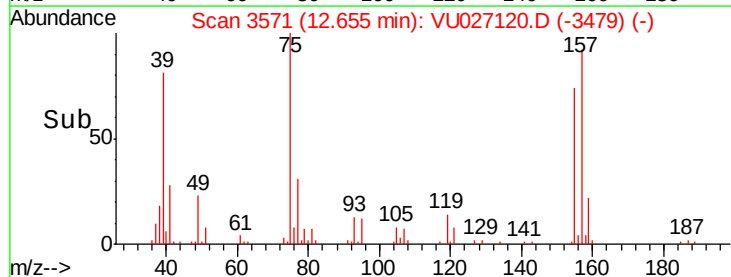
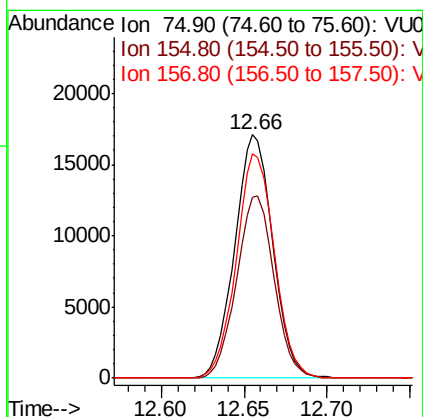
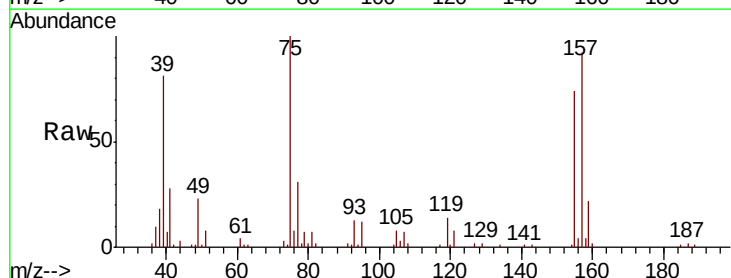
Instrument :
 MSVOA_U
 ClientSampleId :
 SA-PZ182I-20180916MSD

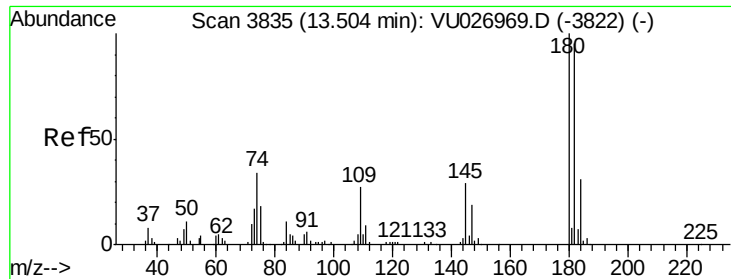
Tgt Ion: 146 Resp: 127915
 Ion Ratio Lower Upper
 146 100
 111 44.5 21.8 65.3
 148 63.8 31.9 95.7



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 53.121 ug/l
 RT: 12.66 min Scan# 3571
 Delta R.T. -0.00 min
 Lab File: VU027120.D
 Acq: 24 Sep 2018 19:37

Tgt Ion: 75 Resp: 27342
 Ion Ratio Lower Upper
 75 100
 155 73.6 36.6 109.8
 157 92.0 47.4 142.2

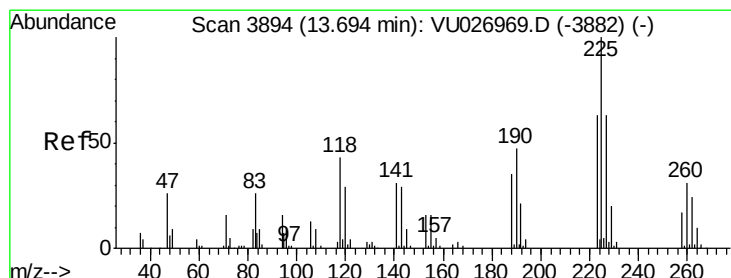
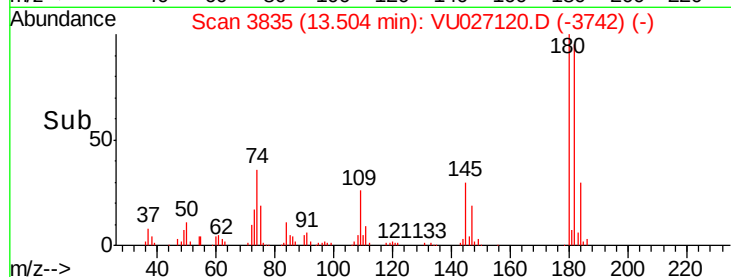
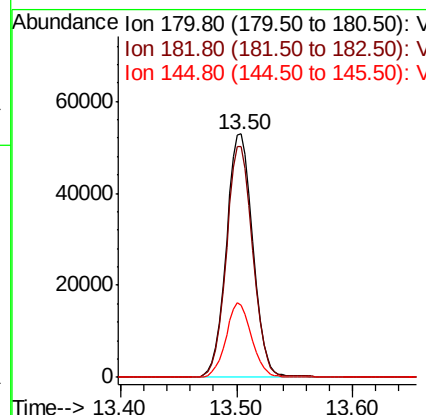
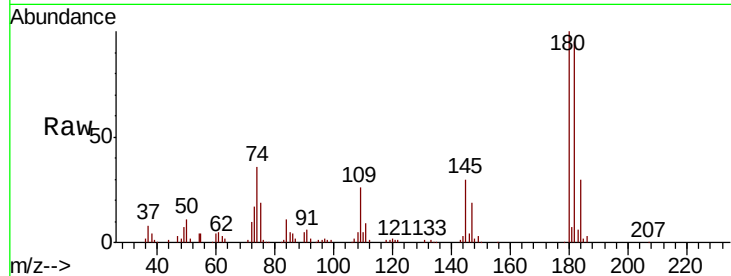




#93
 1,2,4-Trichlorobenzene
 Concen: 55.138 ug/l
 RT: 13.50 min Scan# 3835
 Delta R.T. 0.00 min
 Lab File: VU027120.D
 Acq: 24 Sep 2018 19:37

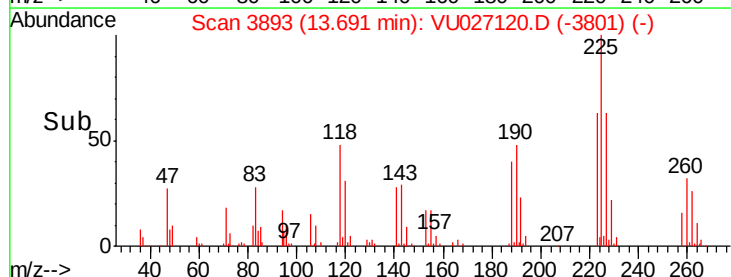
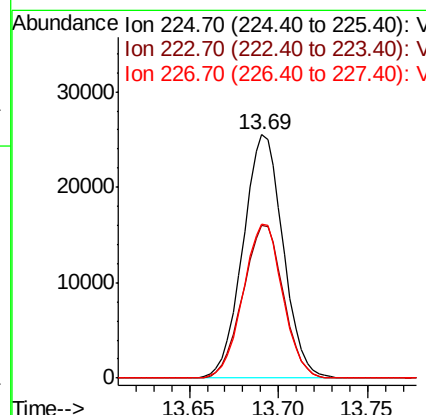
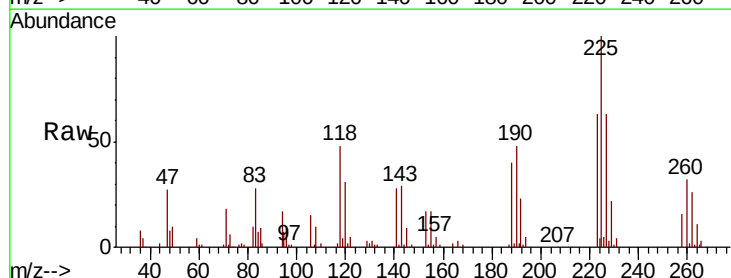
Instrument :
 MSVOA_U
 ClientSampleId :
 SA-PZ182I-20180916MSD

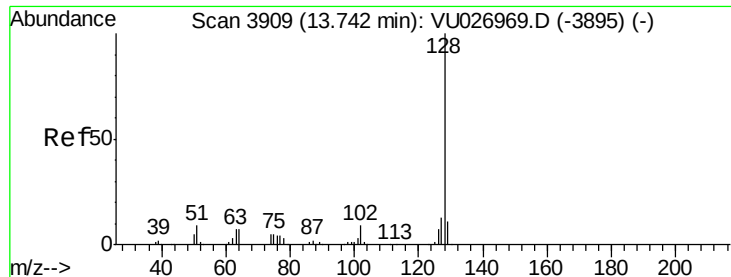
Tgt Ion:180 Resp: 84226
 Ion Ratio Lower Upper
 180 100
 182 94.3 47.4 142.2
 145 29.4 14.9 44.5



#94
 Hexachlorobutadiene
 Concen: 49.520 ug/l
 RT: 13.69 min Scan# 3893
 Delta R.T. -0.00 min
 Lab File: VU027120.D
 Acq: 24 Sep 2018 19:37

Tgt Ion:225 Resp: 40025
 Ion Ratio Lower Upper
 225 100
 223 63.2 31.9 95.7
 227 62.6 32.1 96.5

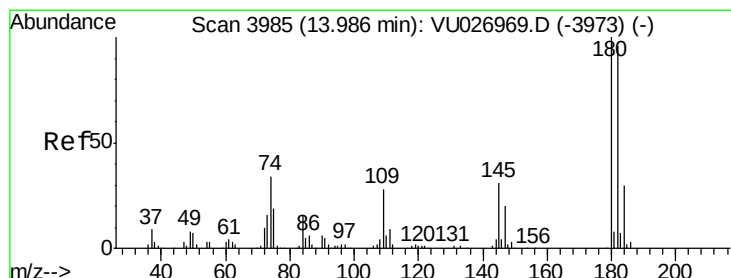
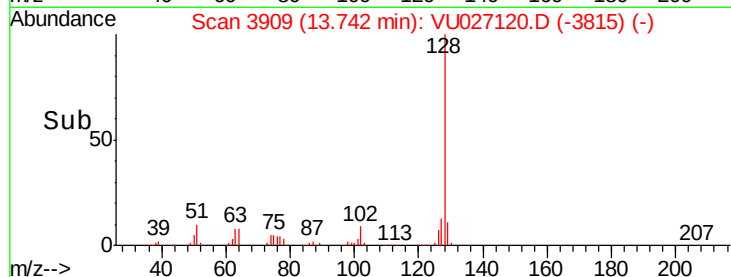
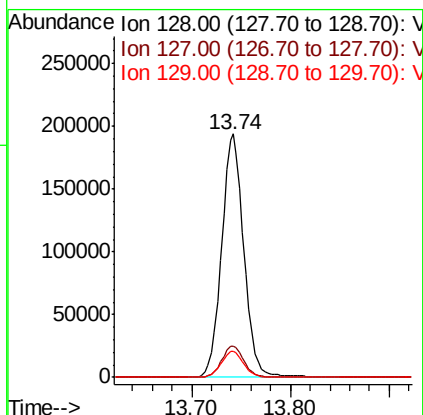
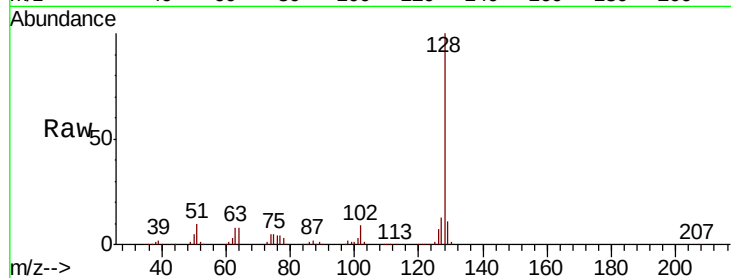




#95
Naphthalene
Concen: 51.261 ug/l
RT: 13.74 min Scan# 3909
Delta R.T. 0.00 min
Lab File: VU027120.D
Acq: 24 Sep 2018 19:37

Instrument :
MSVOA_U
ClientSampleId :
SA-PZ182I-20180916MSD

Tgt Ion:128 Resp: 306420
Ion Ratio Lower Upper
128 100
127 13.1 10.6 15.8
129 10.6 8.6 12.8



#96
1,2,3-Trichlorobenzene
Concen: 53.809 ug/l
RT: 13.99 min Scan# 3985
Delta R.T. 0.00 min
Lab File: VU027120.D
Acq: 24 Sep 2018 19:37

Tgt Ion:180 Resp: 88146
Ion Ratio Lower Upper
180 100
182 95.4 47.5 142.5
145 31.7 15.4 46.4

