

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU092018\
 Data File : VU026900.D
 Acq On : 19 Sep 2018 16:32
 Operator : MD/SY
 Sample : VU0920WBS01
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VU0920WBS01

Quant Time: Sep 20 05:33:45 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\82U091218W.M
 Quant Title : SW846 8260
 QLast Update : Wed Sep 12 05:32:45 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.98	168	103409	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.89	114	149039	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.09	117	142438	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.48	152	86748	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.31	65	75165	47.92	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.84%	
35) Dibromofluoromethane	4.88	113	63762	52.45	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.90%	
50) Toluene-d8	7.57	98	231220	51.42	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.84%	
62) 4-Bromofluorobenzene	10.31	95	80988	49.70	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.40%	

Target Compounds					Qvalue
2) Dichlorodifluoromethane	1.20	85	22546	20.180	ug/l 97
3) Chloromethane	1.33	50	27077	17.347	ug/l 99
4) Vinyl Chloride	1.40	62	28279	17.482	ug/l 99
5) Bromomethane	1.62	94	14668	14.478	ug/l 99
6) Chloroethane	1.69	64	18792	18.254	ug/l 96
7) Trichlorofluoromethane	1.88	101	37341	17.659	ug/l 99
8) Diethyl Ether	2.10	74	16279	17.568	ug/l 96
9) 1,1,2-Trichlorotrifluoroet	2.29	101	24352	19.391	ug/l 98
10) Methyl Iodide	2.41	142	10381	16.685	ug/l 99
11) Tert butyl alcohol	2.82	59	28658	74.951	ug/l 99
12) 1,1-Dichloroethene	2.28	96	22102	18.617	ug/l 99
13) Acrolein	2.19	56	23382	90.744	ug/l 98
14) Allyl chloride	2.59	41	38864	18.176	ug/l 95
15) Acrylonitrile	2.93	53	76847	93.717	ug/l 98
16) Acetone	2.32	43	80652	90.811	ug/l 97
17) Carbon Disulfide	2.48	76	67058	17.753	ug/l 98
18) Methyl Acetate	2.61	43	38694	20.192	ug/l 97
19) Methyl tert-butyl Ether	3.00	73	77249	18.898	ug/l 99
20) Methylene Chloride	2.70	84	27429	19.040	ug/l 98
21) trans-1,2-Dichloroethene	2.98	96	24266	19.402	ug/l 97
22) Diisopropyl ether	3.57	45	85826	19.232	ug/l 98
23) Vinyl Acetate	3.52	43	349176	92.112	ug/l 98
24) 1,1-Dichloroethane	3.45	63	48474	19.256	ug/l 96
25) 2-Butanone	4.26	43	108406	90.615	ug/l 99
26) 2,2-Dichloropropane	4.23	77	39327	19.006	ug/l 99
27) cis-1,2-Dichloroethene	4.22	96	27153	18.838	ug/l 98
28) Bromochloromethane	4.55	49	23246	19.311	ug/l 95
29) Tetrahydrofuran	4.64	42	66412	92.077	ug/l 99
30) Chloroform	4.67	83	47051	19.007	ug/l 98
31) Cyclohexane	5.00	56	42389	18.321	ug/l 95
32) 1,1,1-Trichloroethane	4.92	97	39569	19.306	ug/l 100
36) 1,1-Dichloropropene	5.14	75	33348	19.929	ug/l 98
37) Ethyl Acetate	4.38	43	36756	18.266	ug/l 99
38) Carbon Tetrachloride	5.13	117	34717	19.637	ug/l 98

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 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
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 ClientSampleId :
 VU0920WBS01

Quant Time: Sep 20 05:33:45 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\82U091218W.M
 Quant Title : SW846 8260
 QLast Update : Wed Sep 12 05:32:45 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	6.42	83	38258	19.256	ug/l	98
40) Benzene	5.39	78	105294	20.262	ug/l	99
41) Methacrylonitrile	4.54	41	20678	18.710	ug/l	98
42) 1,2-Dichloroethane	5.40	62	37086	20.014	ug/l	98
43) Isopropyl Acetate	5.55	43	57715	18.837	ug/l	99
44) Trichloroethene	6.19	130	27064	21.043	ug/l	94
45) 1,2-Dichloropropane	6.43	63	28220	19.976	ug/l	96
46) Dibromomethane	6.56	93	18447	20.235	ug/l	94
47) Bromodichloromethane	6.76	83	35628	19.847	ug/l	99
48) Methyl methacrylate	6.62	41	29176	18.600	ug/l	97
49) 1,4-Dioxane	6.61	88	12614	348.647	ug/l	98
51) 4-Methyl-2-Pentanone	7.46	43	191325	93.355	ug/l	99
52) Toluene	7.64	92	65368	21.117	ug/l	95
53) t-1,3-Dichloropropene	7.88	75	38832	19.502	ug/l	97
54) cis-1,3-Dichloropropene	7.27	75	42118	19.699	ug/l	96
55) 1,1,2-Trichloroethane	8.07	97	27448	20.696	ug/l	97
56) Ethyl methacrylate	8.02	69	35564	17.861	ug/l	96
57) 1,3-Dichloropropane	8.24	76	46044	20.369	ug/l	98
58) 2-Chloroethyl Vinyl ether	7.13	63	95758	95.711	ug/l	95
59) 2-Hexanone	8.36	43	144325	89.482	ug/l	97
60) Dibromochloromethane	8.48	129	28391	19.766	ug/l	99
61) 1,2-Dibromoethane	8.59	107	28253	19.634	ug/l	99
64) Tetrachloroethene	8.23	164	24277	21.414	ug/l	96
65) Chlorobenzene	9.12	112	72318	20.436	ug/l	99
66) 1,1,1,2-Tetrachloroethane	9.21	131	26557	20.396	ug/l	99
67) Ethyl Benzene	9.25	91	114632	19.664	ug/l	100
68) m/p-Xylenes	9.38	106	92890	41.889	ug/l	96
69) o-Xylene	9.78	106	43316	19.065	ug/l	98
70) Styrene	9.79	104	72455	19.338	ug/l	99
71) Bromoform	9.96	173	22150	19.560	ug/l #	98
73) Isopropylbenzene	10.17	105	118071	19.974	ug/l	100
74) N-amyl acetate	10.02	43	47258	16.933	ug/l	96
75) 1,1,2,2-Tetrachloroethane	10.46	83	43516	18.063	ug/l	99
76) 1,2,3-Trichloropropane	10.49	75	47516	24.452	ug/l	81
77) Bromobenzene	10.45	156	32187	20.034	ug/l	96
78) n-propylbenzene	10.59	91	135783	19.749	ug/l	99
79) 2-Chlorotoluene	10.66	91	82724	19.410	ug/l	100
80) 1,3,5-Trimethylbenzene	10.77	105	99964	20.118	ug/l	98
81) trans-1,4-Dichloro-2-buten	10.49	75	47516	72.287	ug/l #	100
82) 4-Chlorotoluene	10.77	91	95416	19.926	ug/l	99
83) tert-Butylbenzene	11.10	119	97571	19.350	ug/l	96
84) 1,2,4-Trimethylbenzene	11.15	105	101824	20.318	ug/l	100
85) sec-Butylbenzene	11.32	105	117944	19.696	ug/l	99
86) p-Isopropyltoluene	11.48	119	106599	19.177	ug/l	98
87) 1,3-Dichlorobenzene	11.42	146	58824	19.626	ug/l	99
88) 1,4-Dichlorobenzene	11.51	146	60824	19.540	ug/l	99
89) n-Butylbenzene	11.89	91	85565	17.626	ug/l	98
90) Hexachloroethane	12.15	117	19092	18.068	ug/l	95
91) 1,2-Dichlorobenzene	11.88	146	59199	19.635	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	12.66	75	8837	18.296	ug/l	98

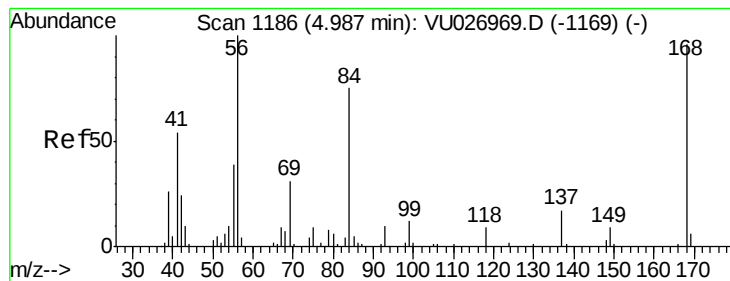
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA U\DATA\VU092018\
Data File : VU026900.D
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ClientSampleId :
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Quant Time: Sep 20 05:33:45 2018
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_U\METHOD\82U091218W.M
Quant Title : SW846 8260
QLast Update : Wed Sep 12 05:32:45 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.50	180	39104	19.530	ug/l	98
94) Hexachlorobutadiene	13.69	225	21584	20.955	ug/l	98
95) Naphthalene	13.75	128	113477	17.521	ug/l	99
96) 1,2,3-Trichlorobenzene	13.99	180	41529	19.860	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: VU026900.D

Acq: 19 Sep 2018 16:32

Instrument :

MSVOA_U

ClientSampleId :

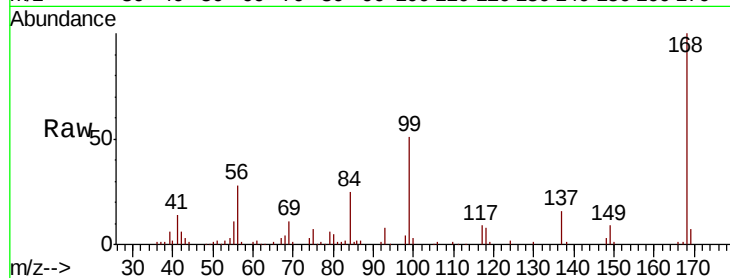
VU0920WBS01

Tot Ion:168 Resp: 103409

Ion Ratio Lower Upper

168 100

99 51.1 42.0 63.0



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

50000

40000

30000

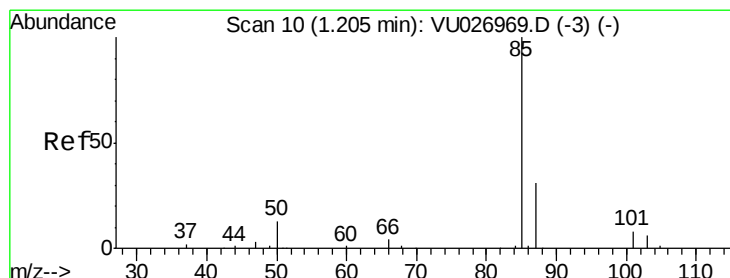
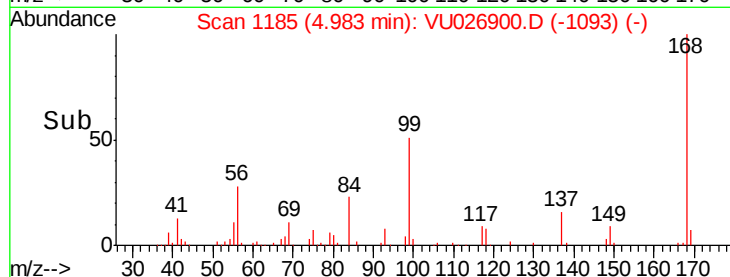
20000

10000

0

4.90 4.95 5.00 5.05 5.10

Time-->



#2

Dichlorodifluoromethane

Concen: 20.180 ug/l

RT: 1.20 min Scan# 9

Delta R.T. 0.00 min

Lab File: VU026900.D

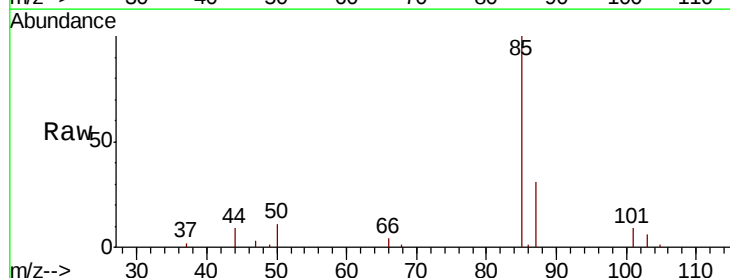
Acq: 19 Sep 2018 16:32

Tgt Ion: 85 Resp: 22546

Ion Ratio Lower Upper

85 100

87 31.3 16.6 49.7



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

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

1.20

25000

20000

15000

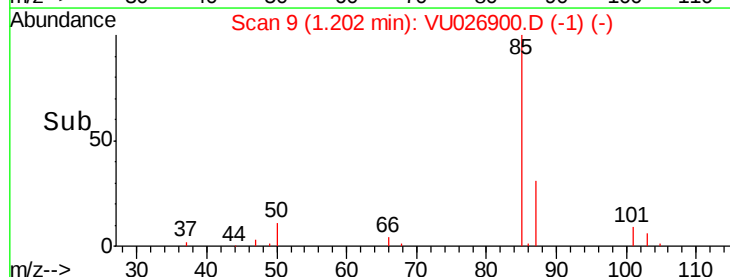
10000

5000

0

1.15 1.20 1.25

Time-->





#3

Chloromethane

Concen: 17.347 ug/l

RT: 1.33 min Scan# 48

Delta R.T. 0.00 min

Lab File: VU026900.D

Acq: 19 Sep 2018 16:32

Instrument :

MSVOA_U

ClientSampleId :

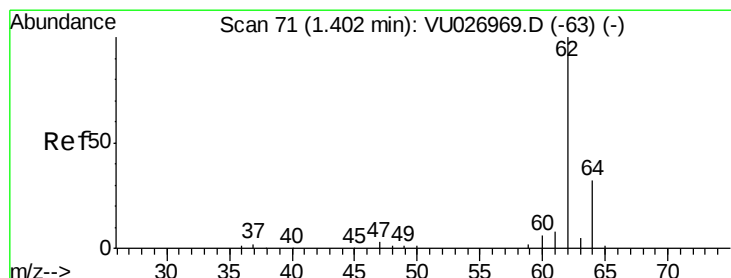
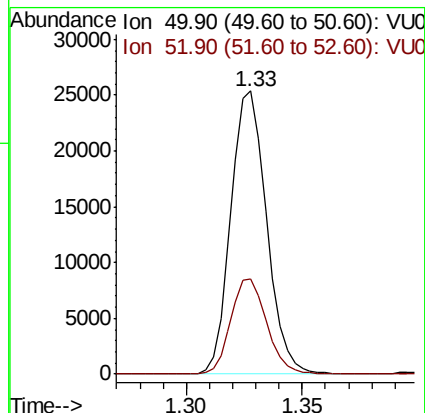
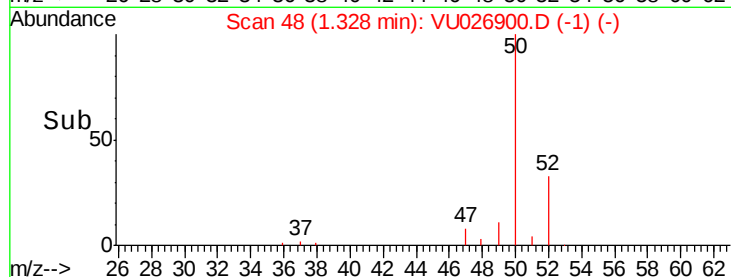
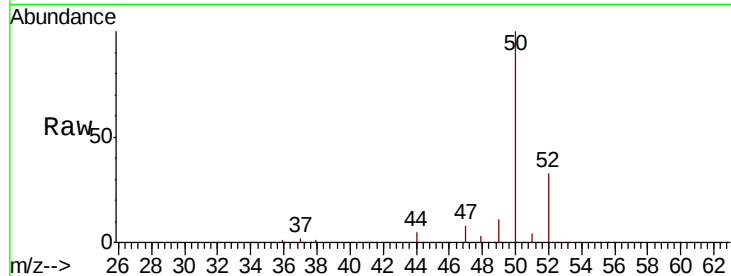
VU0920WBS01

Tot Ion: 50 Resp: 27077

Ion Ratio Lower Upper

50 100

52 33.5 26.3 39.5



#4

Vinyl Chloride

Concen: 17.482 ug/l

RT: 1.40 min Scan# 71

Delta R.T. 0.00 min

Lab File: VU026900.D

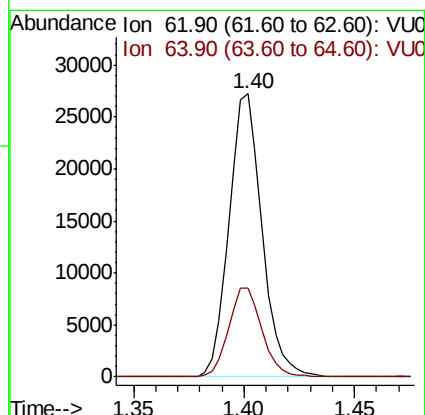
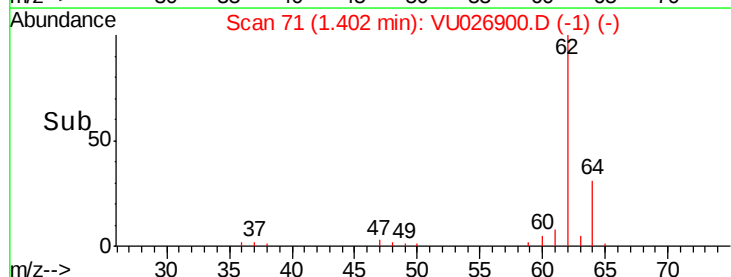
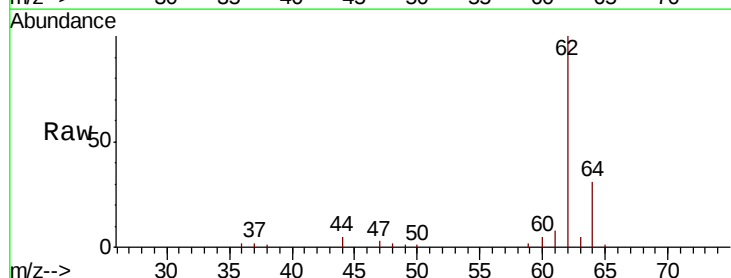
Acq: 19 Sep 2018 16:32

Tgt Ion: 62 Resp: 28279

Ion Ratio Lower Upper

62 100

64 31.4 25.6 38.4

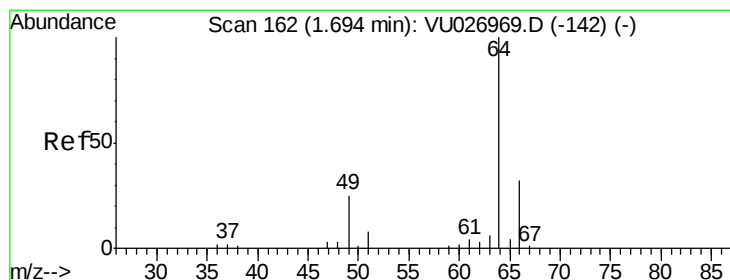
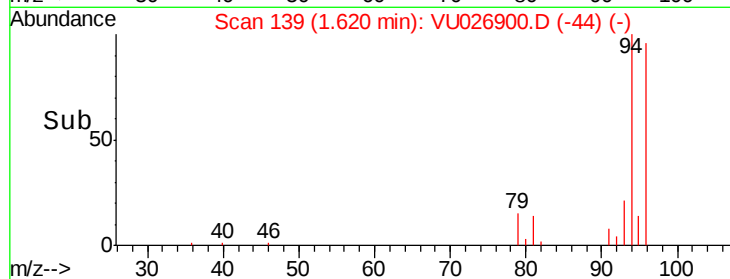
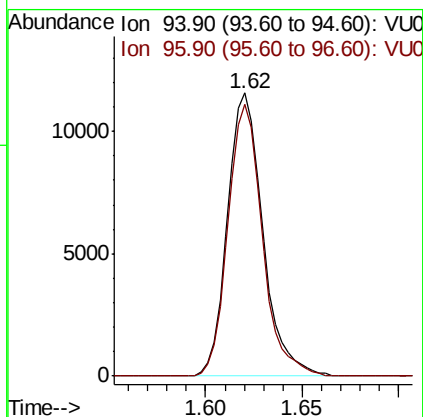
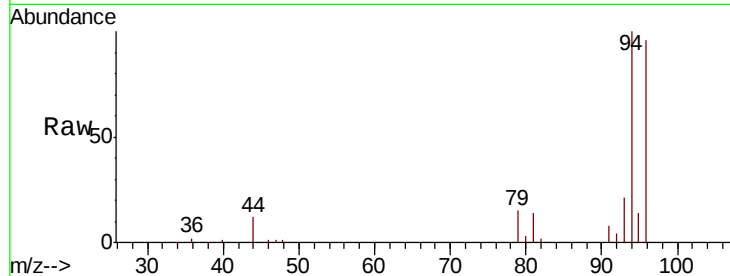




#5
Bromomethane
Concen: 14.478 ug/l
RT: 1.62 min Scan# 139
Delta R.T. 0.01 min
Lab File: VU026900.D
Acq: 19 Sep 2018 16:32

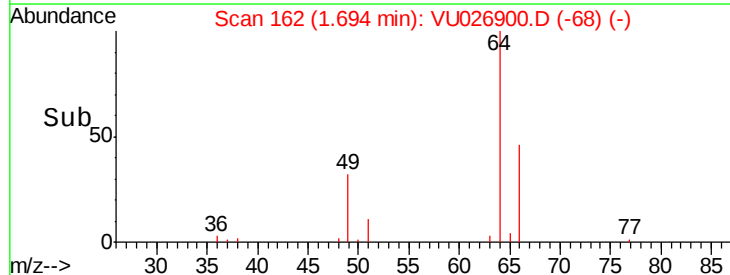
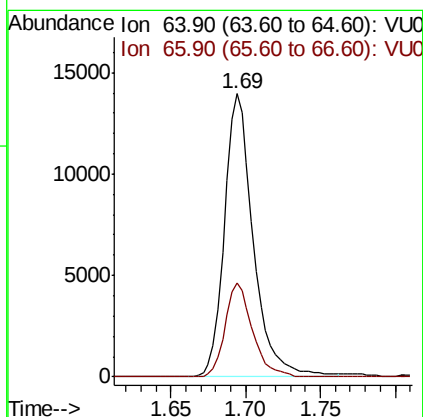
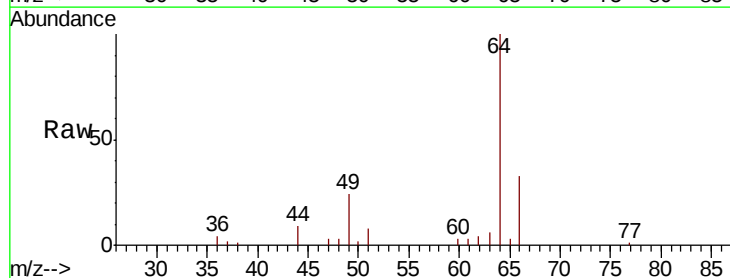
Instrument :
MSVOA_U
ClientSampleId :
VU0920WBS01

Tot Ion: 94 Resp: 14668
Ion Ratio Lower Upper
94 100
96 95.9 75.8 113.6



#6
Chloroethane
Concen: 18.254 ug/l
RT: 1.69 min Scan# 162
Delta R.T. 0.00 min
Lab File: VU026900.D
Acq: 19 Sep 2018 16:32

Tgt Ion: 64 Resp: 18792
Ion Ratio Lower Upper
64 100
66 33.2 24.7 37.1



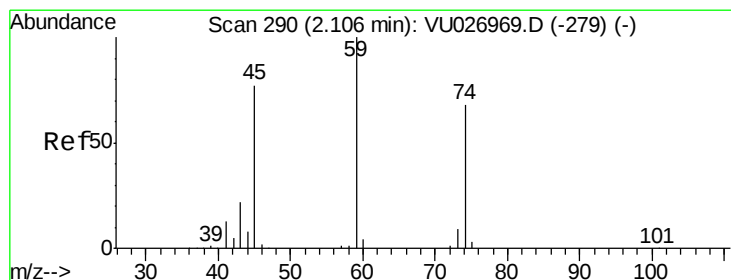
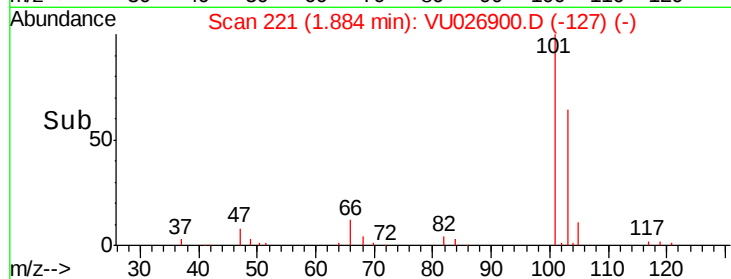
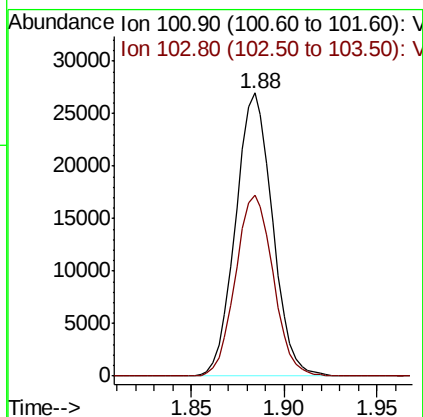
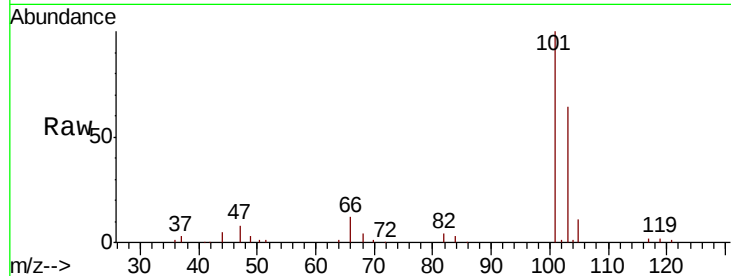


#7

Trichlorofluoromethane
 Concen: 17.659 ug/l
 RT: 1.88 min Scan# 221
 Delta R.T. 0.00 min
 Lab File: VU026900.D
 Acq: 19 Sep 2018 16:32

Instrument :
 MSVOA_U
 ClientSampleId :
 VU0920WBS01

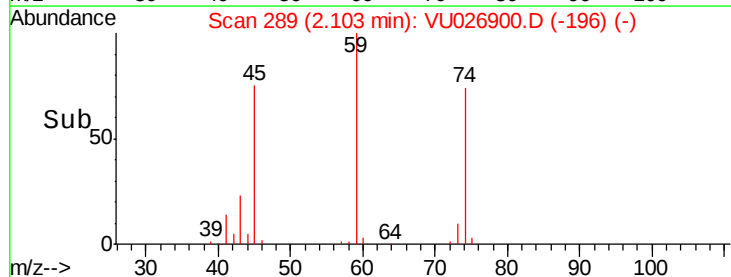
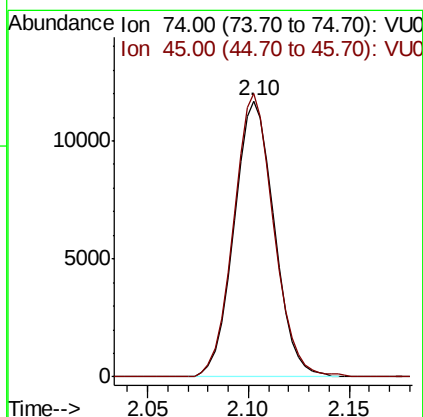
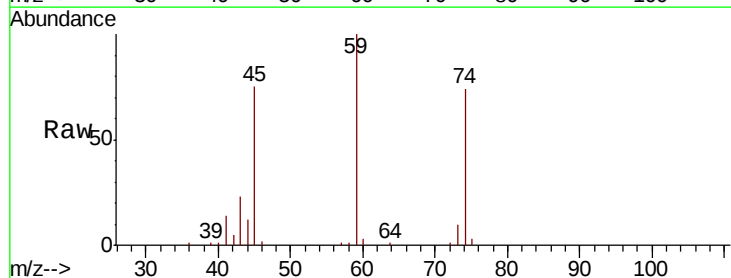
Tot Ion:101 Resp: 37341
 Ion Ratio Lower Upper
 101 100
 103 64.1 51.7 77.5

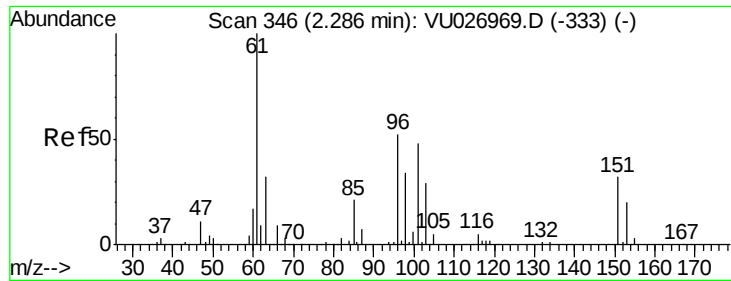


#8

Diethyl Ether
 Concen: 17.568 ug/l
 RT: 2.10 min Scan# 289
 Delta R.T. -0.00 min
 Lab File: VU026900.D
 Acq: 19 Sep 2018 16:32

Tgt Ion: 74 Resp: 16279
 Ion Ratio Lower Upper
 74 100
 45 102.5 53.6 160.8





#9

1,1,2-Trichlorotrifluoroethane

Concen: 19.391 ug/l

RT: 2.29 min Scan# 346

Delta R.T. 0.00 min

Lab File: VU026900.D

Acq: 19 Sep 2018 16:32

Instrument :

MSVOA_U

ClientSampleId :

VU0920WBS01

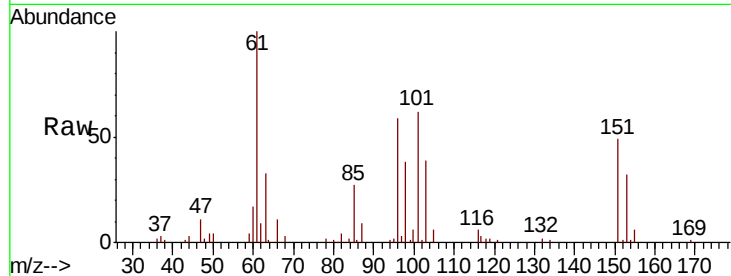
Tot Ion:101 Resp: 24352

Ion Ratio Lower Upper

101 100

85 42.4 34.6 52.0

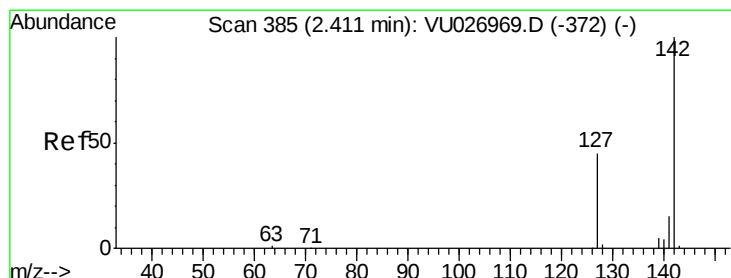
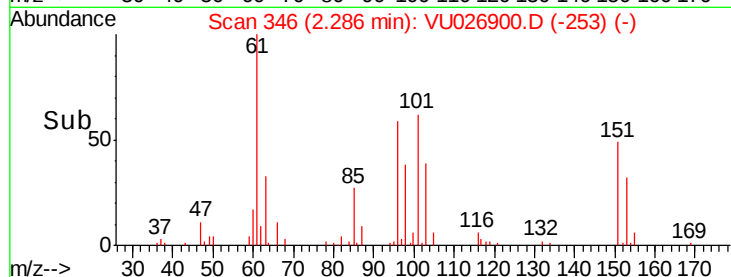
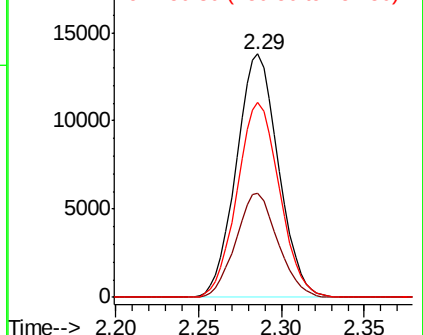
151 80.5 62.7 94.1



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): VU0

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 16.685 ug/l

RT: 2.41 min Scan# 384

Delta R.T. -0.00 min

Lab File: VU026900.D

Acq: 19 Sep 2018 16:32

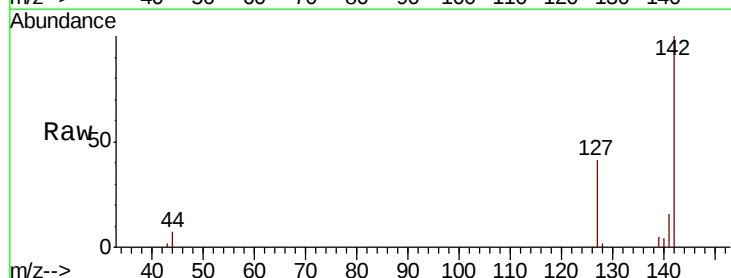
Tgt Ion:142 Resp: 10381

Ion Ratio Lower Upper

142 100

127 42.2 34.1 51.1

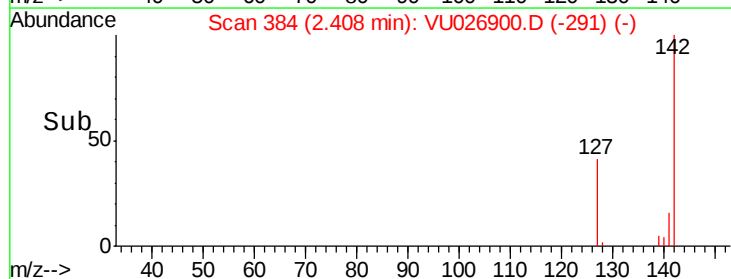
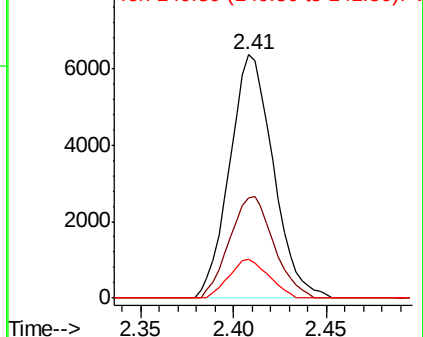
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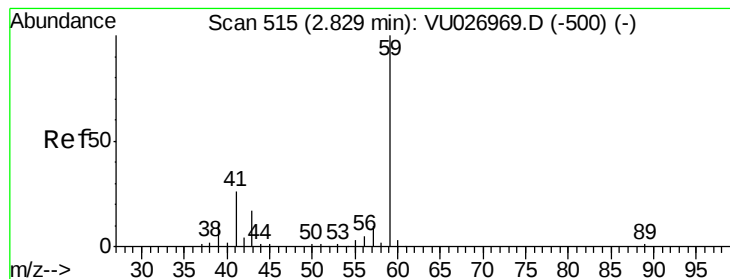


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



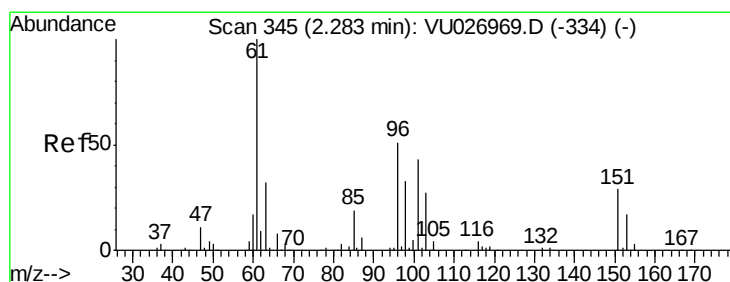
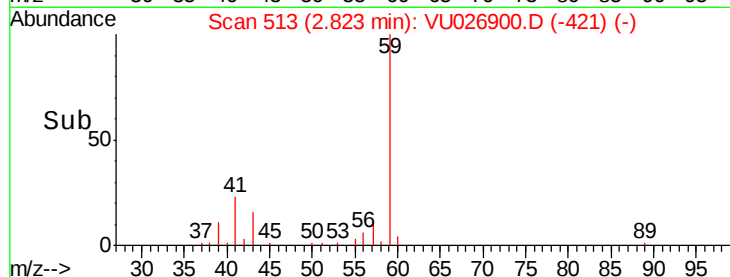
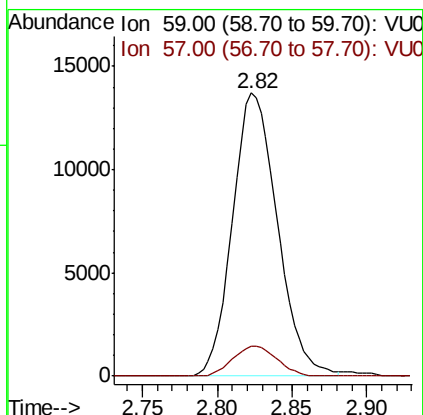
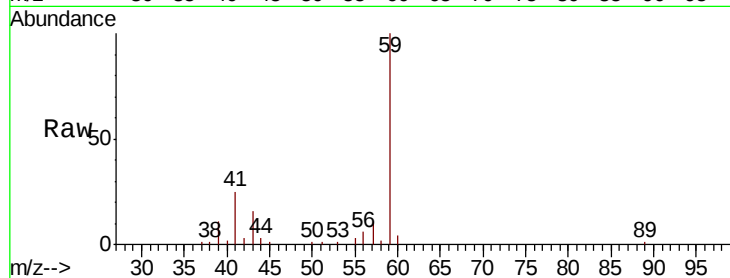


#11

Tert butyl alcohol
 Concen: 74.951 ug/l
 RT: 2.82 min Scan# 513
 Delta R.T. -0.00 min
 Lab File: VU026900.D
 Acq: 19 Sep 2018 16:32

Instrument :
 MSVOA_U
 ClientSampleId :
 VU0920WBS01

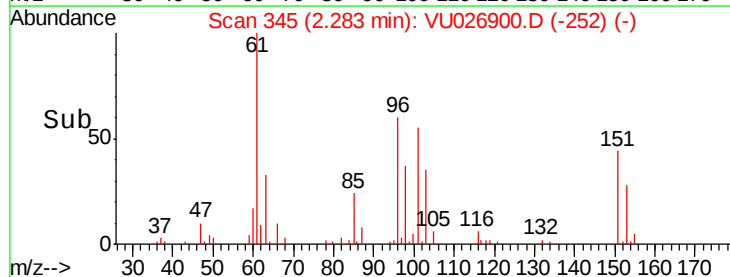
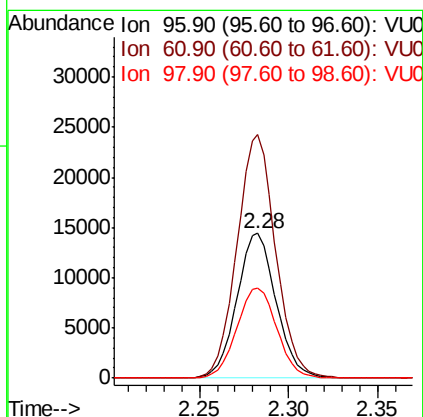
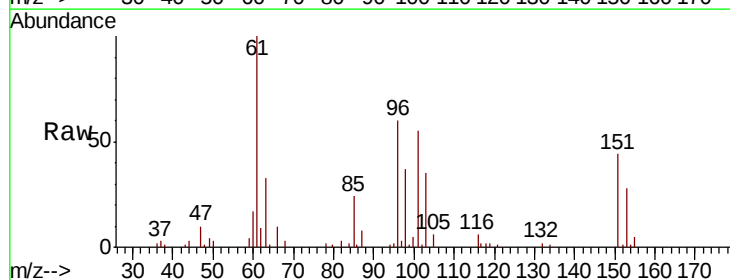
Tot Ion: 59 Resp: 28658
 Ion Ratio Lower Upper
 59 100
 57 10.3 8.0 12.0

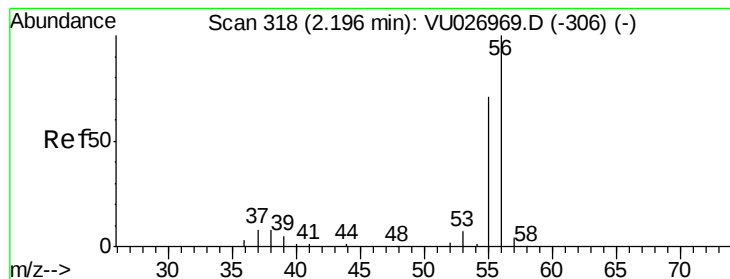


#12

1,1-Dichloroethene
 Concen: 18.617 ug/l
 RT: 2.28 min Scan# 345
 Delta R.T. 0.00 min
 Lab File: VU026900.D
 Acq: 19 Sep 2018 16:32

Tgt Ion: 96 Resp: 22102
 Ion Ratio Lower Upper
 96 100
 61 167.9 133.0 199.6
 98 62.3 51.3 76.9





#13

Acrolein

Concen: 90.744 ug/l

RT: 2.19 min Scan# 317

Delta R.T. 0.00 min

Lab File: VU026900.D

Acq: 19 Sep 2018 16:32

Instrument :

MSVOA_U

ClientSampleId :

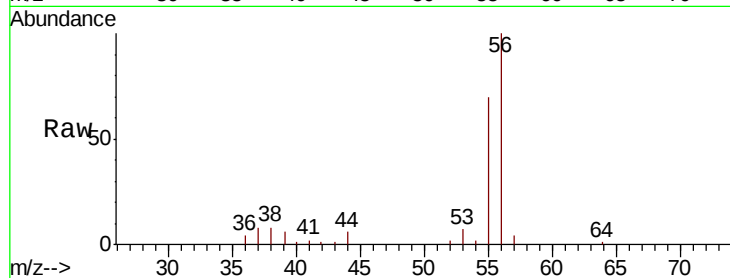
VU0920WBS01

Tot Ion: 56 Resp: 23382

Ion Ratio Lower Upper

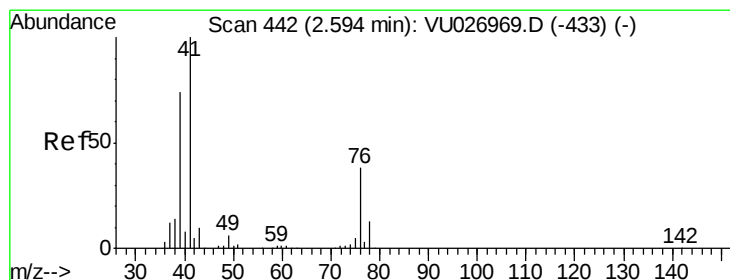
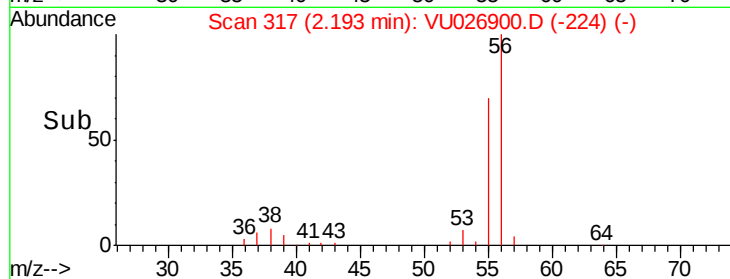
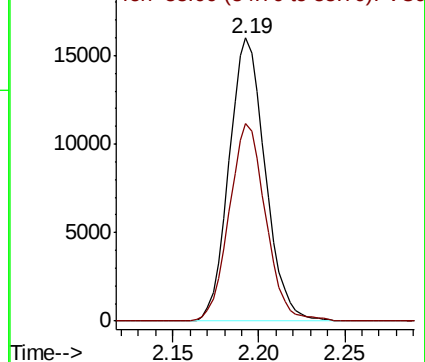
56 100

55 70.3 57.4 86.2



Abundance Ion 56.00 (55.70 to 56.70): VU0

Ion 55.00 (54.70 to 55.70): VU0



#14

Allyl chloride

Concen: 18.176 ug/l

RT: 2.59 min Scan# 441

Delta R.T. 0.00 min

Lab File: VU026900.D

Acq: 19 Sep 2018 16:32

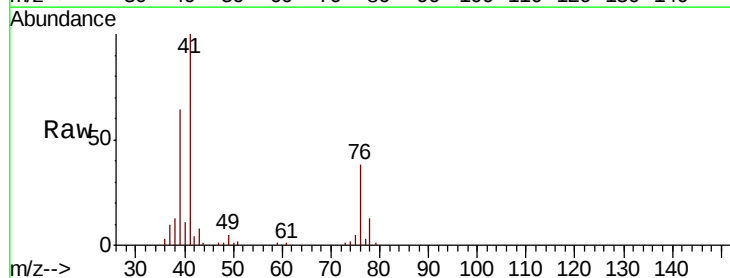
Tgt Ion: 41 Resp: 38864

Ion Ratio Lower Upper

41 100

39 65.2 56.9 85.3

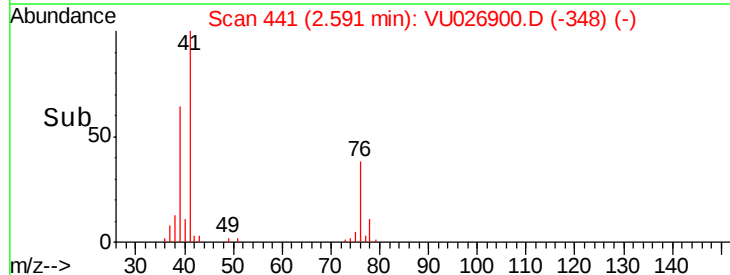
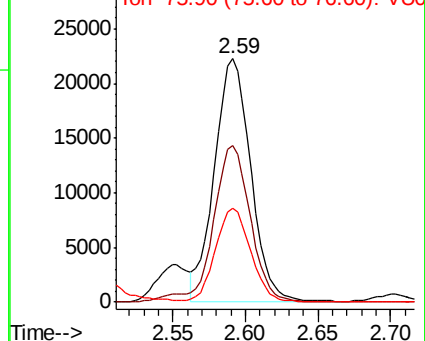
76 37.3 29.7 44.5

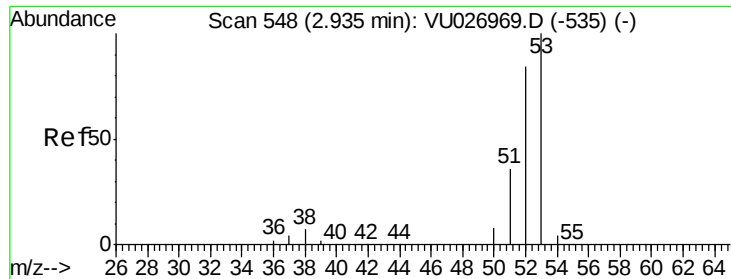


Abundance Ion 41.00 (40.70 to 41.70): VU0

Ion 39.00 (38.70 to 39.70): VU0

Ion 75.90 (75.60 to 76.60): VU0





#15

Acrylonitrile

Concen: 93.717 ug/l

RT: 2.93 min Scan# 547

Delta R.T. -0.00 min

Lab File: VU026900.D

Acq: 19 Sep 2018 16:32

Instrument :

MSVOA_U

ClientSampleId :

VU0920WBS01

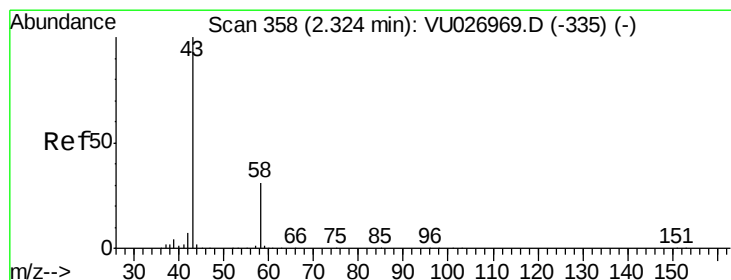
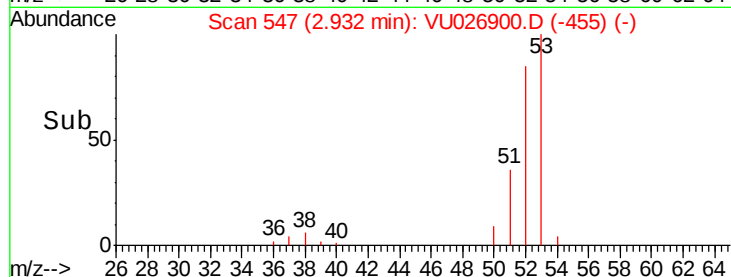
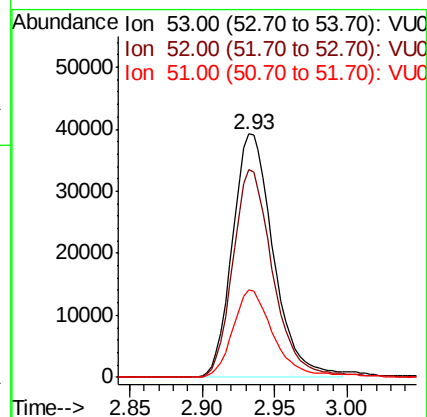
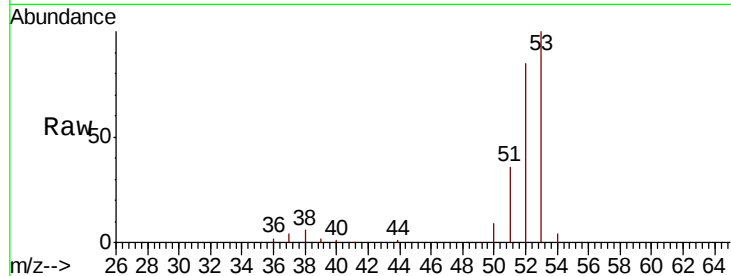
Tot Ion: 53 Resp: 76847

Ion Ratio Lower Upper

53 100

52 84.0 65.8 98.8

51 36.3 27.7 41.5



#16

Acetone

Concen: 90.811 ug/l

RT: 2.32 min Scan# 357

Delta R.T. 0.00 min

Lab File: VU026900.D

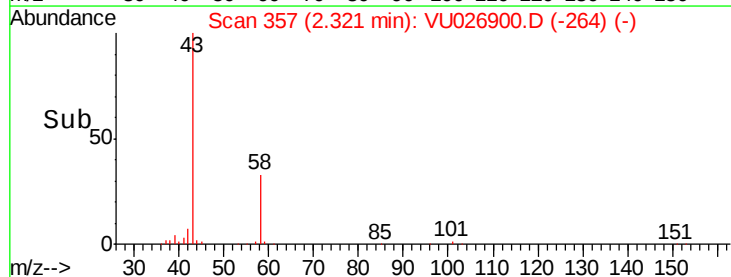
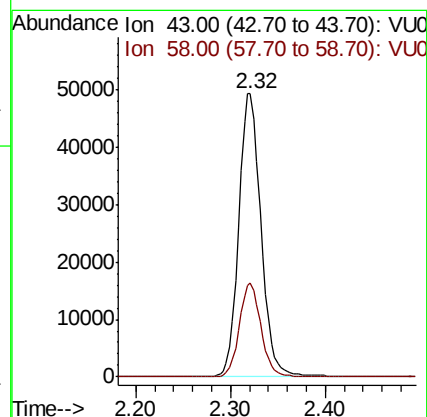
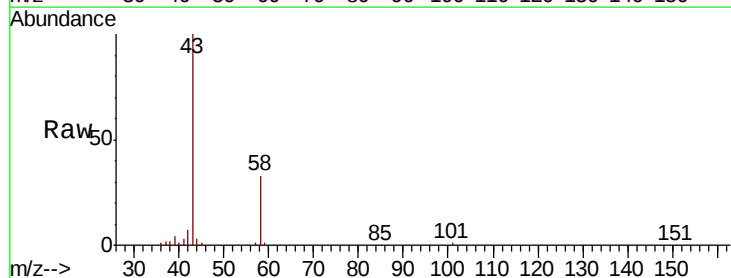
Acq: 19 Sep 2018 16:32

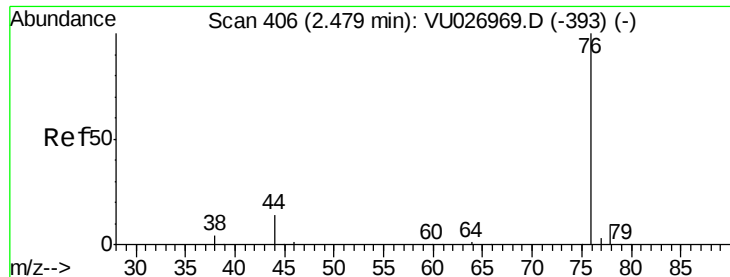
Tgt Ion: 43 Resp: 80652

Ion Ratio Lower Upper

43 100

58 33.1 25.1 37.7





#17

Carbon Disulfide

Concen: 17.753 ug/l

RT: 2.48 min Scan# 405

Delta R.T. 0.00 min

Lab File: VU026900.D

Acq: 19 Sep 2018 16:32

Instrument :

MSVOA_U

ClientSampleId :

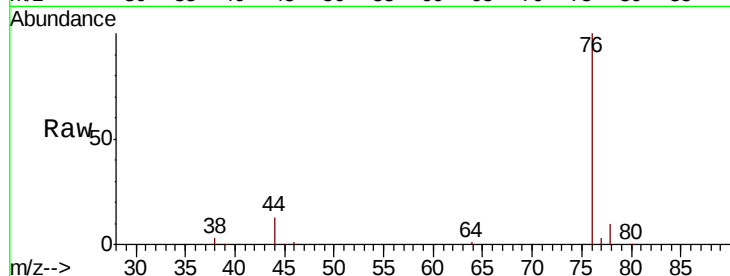
VU0920WBS01

Tot Ion: 76 Resp: 67058

Ion Ratio Lower Upper

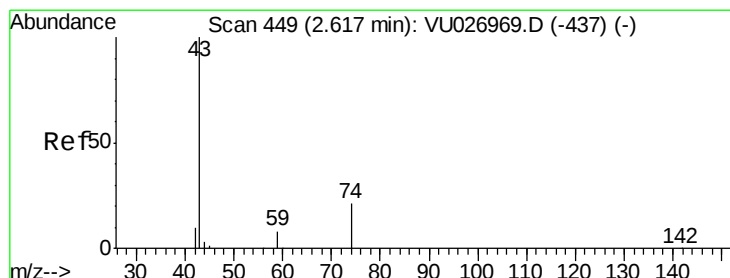
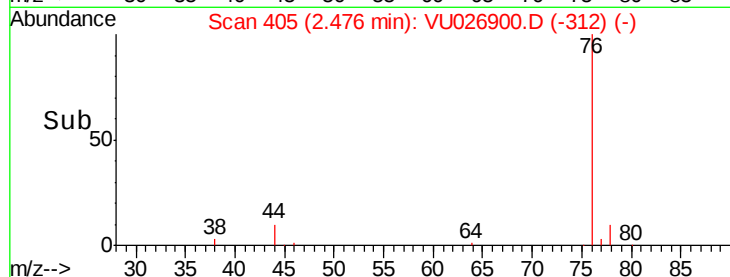
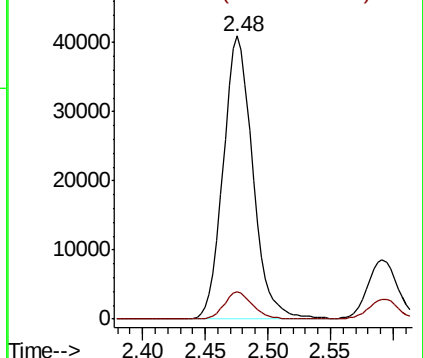
76 100

78 9.7 7.0 10.6



Abundance Ion 75.90 (75.60 to 76.60): VU0

Ion 77.90 (77.60 to 78.60): VU0



#18

Methyl Acetate

Concen: 20.192 ug/l

RT: 2.61 min Scan# 448

Delta R.T. -0.00 min

Lab File: VU026900.D

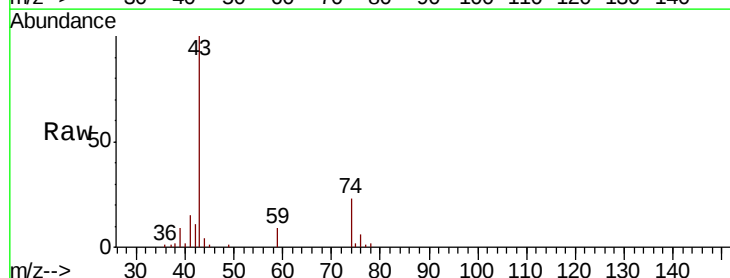
Acq: 19 Sep 2018 16:32

Tgt Ion: 43 Resp: 38694

Ion Ratio Lower Upper

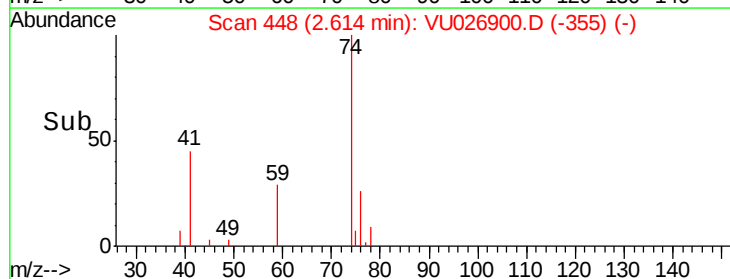
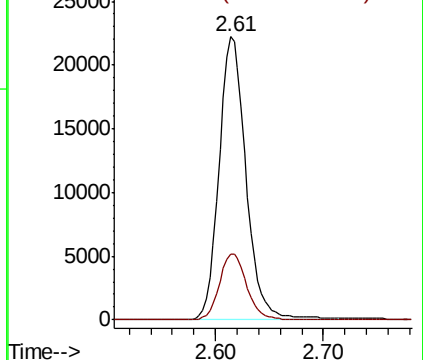
43 100

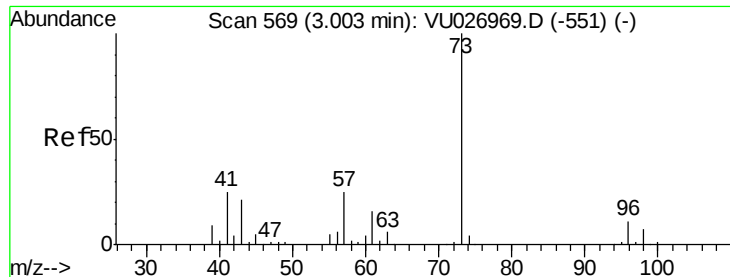
74 23.4 17.7 26.5



Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 74.00 (73.70 to 74.70): VU0

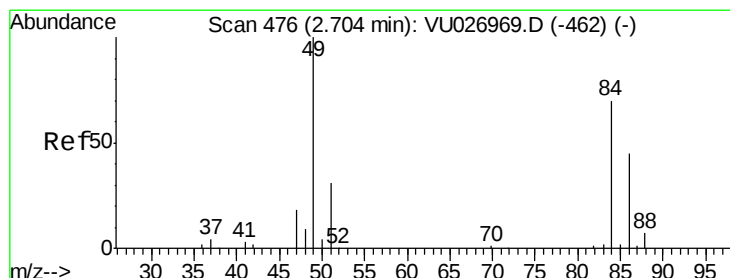
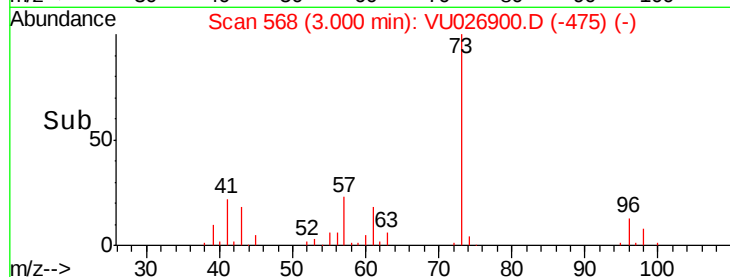
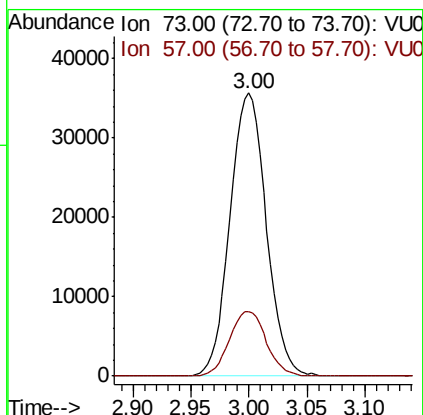
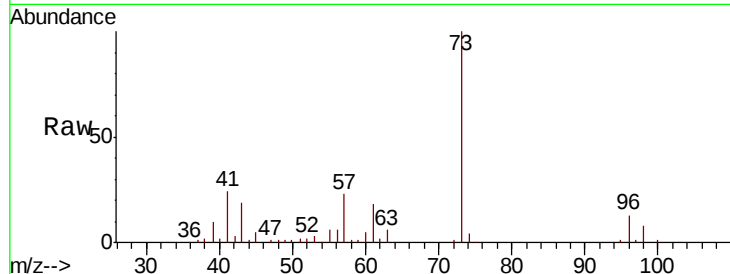




#19
Methvl tert-butvl Ether
Concen: 18.898 ug/l
RT: 3.00 min Scan# 568
Delta R.T. -0.00 min
Lab File: VU026900.D
Acq: 19 Sep 2018 16:32

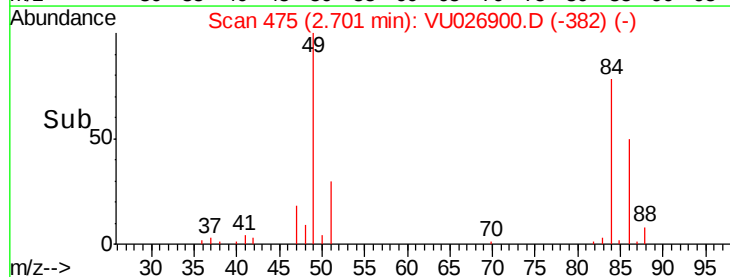
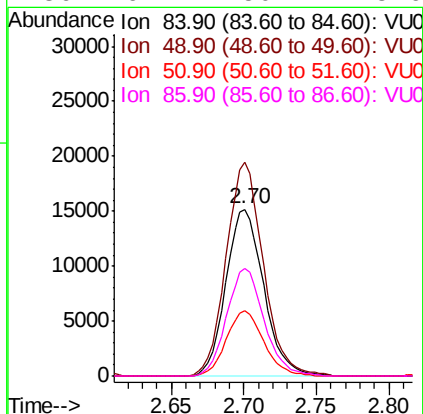
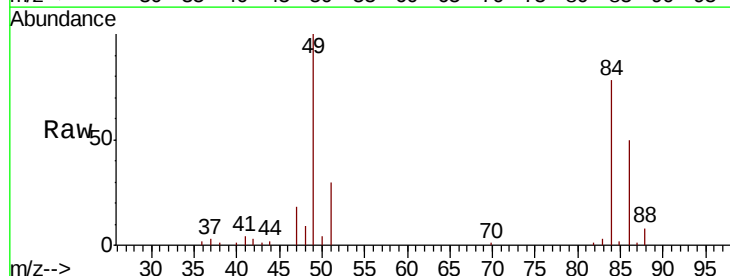
Instrument :
MSVOA_U
ClientSampleId :
VU0920WBS01

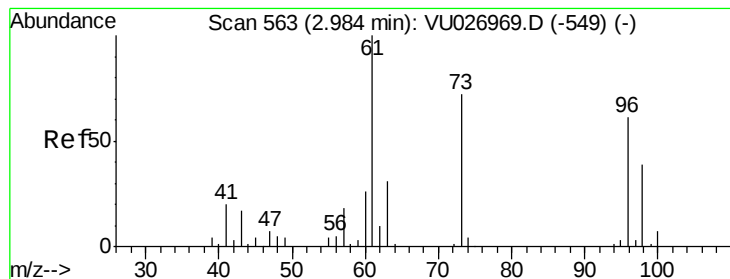
Tot Ion: 73 Resp: 77249
Ion Ratio Lower Upper
73 100
57 23.0 18.9 28.3



#20
Methylene Chloride
Concen: 19.040 ug/l
RT: 2.70 min Scan# 475
Delta R.T. 0.00 min
Lab File: VU026900.D
Acq: 19 Sep 2018 16:32

Tgt Ion: 84 Resp: 27429
Ion Ratio Lower Upper
84 100
49 128.4 100.6 151.0
51 39.0 30.9 46.3
86 64.7 50.4 75.6





#21

trans-1,2-Dichloroethene

Concen: 19.402 ug/l

RT: 2.98 min Scan# 562

Delta R.T. 0.00 min

Lab File: VU026900.D

Acq: 19 Sep 2018 16:32

Instrument :

MSVOA_U

ClientSampleId :

VU0920WBS01

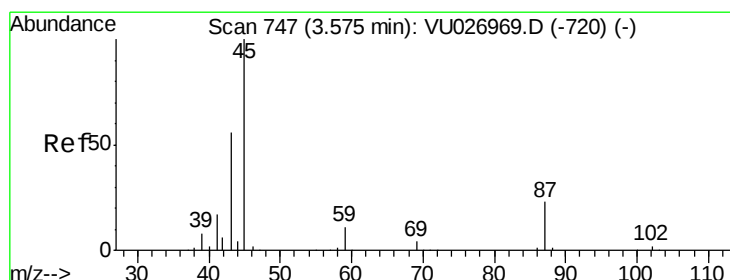
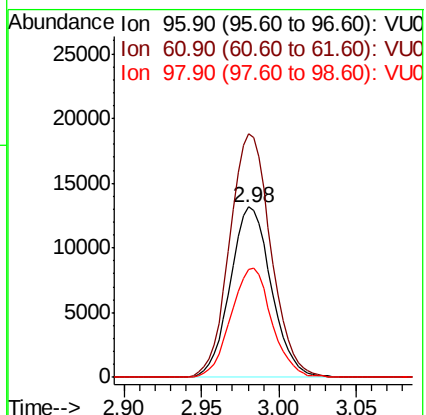
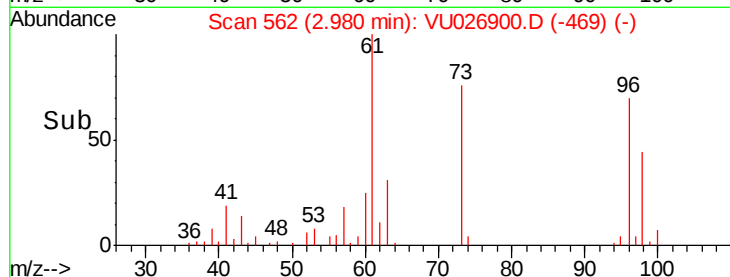
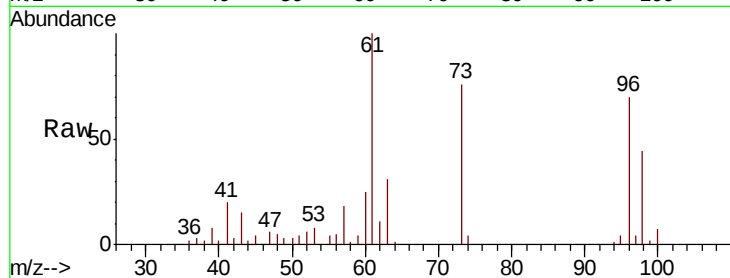
Tot Ion: 96 Resp: 24266

Ion Ratio Lower Upper

96 100

61 143.0 117.7 176.5

98 63.3 52.0 78.0



#22

Diisopropyl ether

Concen: 19.232 ug/l

RT: 3.57 min Scan# 746

Delta R.T. 0.00 min

Lab File: VU026900.D

Acq: 19 Sep 2018 16:32

Tgt Ion: 45 Resp: 85826

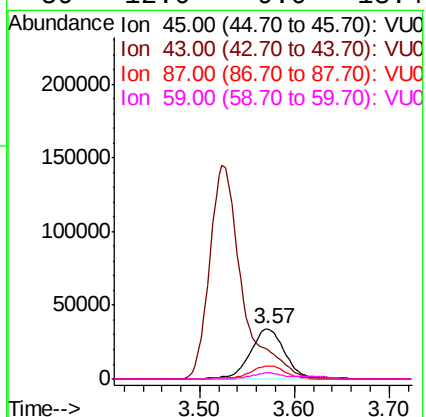
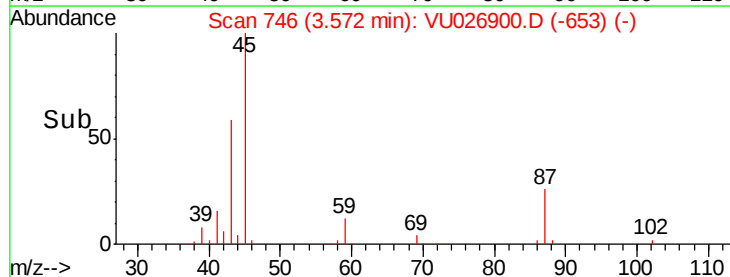
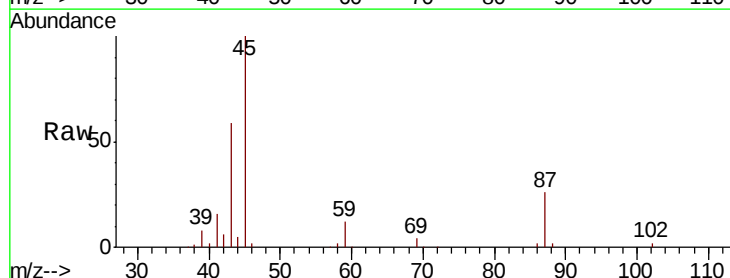
Ion Ratio Lower Upper

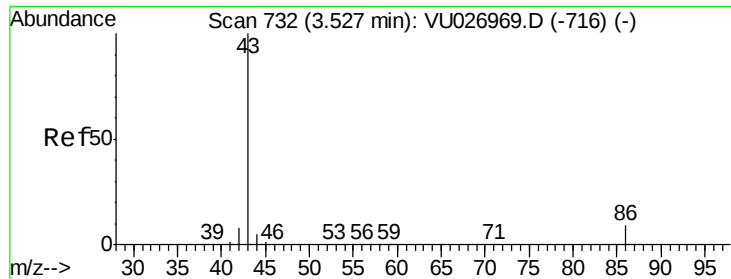
45 100

43 57.3 44.6 67.0

87 26.4 21.4 32.0

59 12.0 9.0 13.4





#23

Vinyl Acetate

Concen: 92.112 ug/l

RT: 3.52 min Scan# 731

Delta R.T. -0.00 min

Lab File: VU026900.D

Acq: 19 Sep 2018 16:32

Instrument :

MSVOA_U

ClientSampleId :

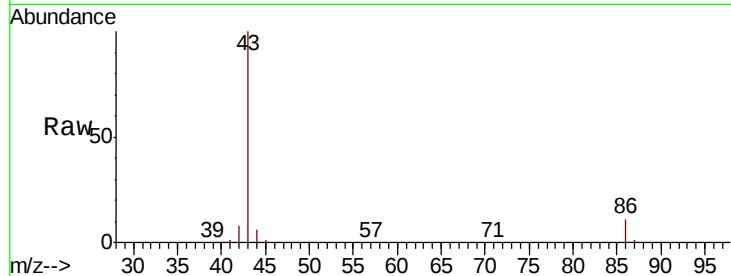
VU0920WBS01

Tot Ion: 43 Resp: 349176

Ion Ratio Lower Upper

43 100

86 10.7 7.8 11.8



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

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

3.52

150000

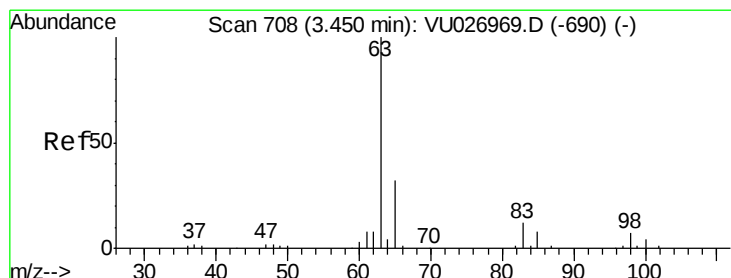
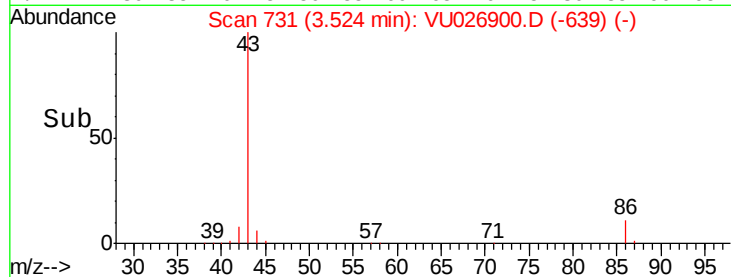
100000

50000

0

3.40 3.50 3.60 3.70

Time-->



#24

1,1-Dichloroethane

Concen: 19.256 ug/l

RT: 3.45 min Scan# 707

Delta R.T. 0.00 min

Lab File: VU026900.D

Acq: 19 Sep 2018 16:32

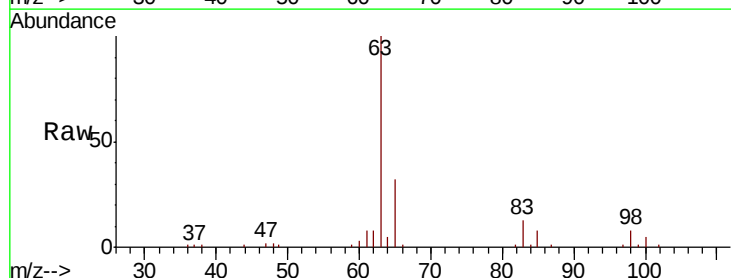
Tgt Ion: 63 Resp: 48474

Ion Ratio Lower Upper

63 100

98 7.9 3.1 9.4

100 4.9 2.0 6.0



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

30000

25000

20000

15000

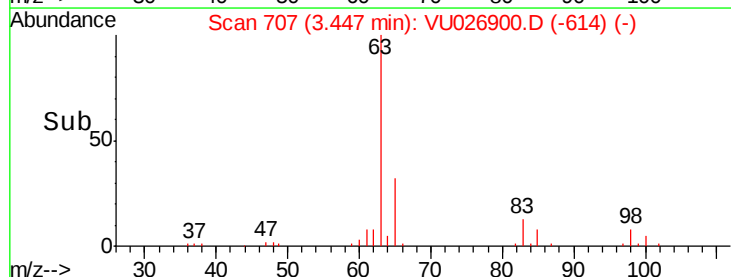
10000

5000

0

3.35 3.40 3.45 3.50 3.55

Time-->





#25

2-Butanone

Concen: 90.615 ug/l

RT: 4.26 min Scan# 961

Delta R.T. -0.00 min

Lab File: VU026900.D

Acq: 19 Sep 2018 16:32

Instrument :

MSVOA_U

ClientSampleId :

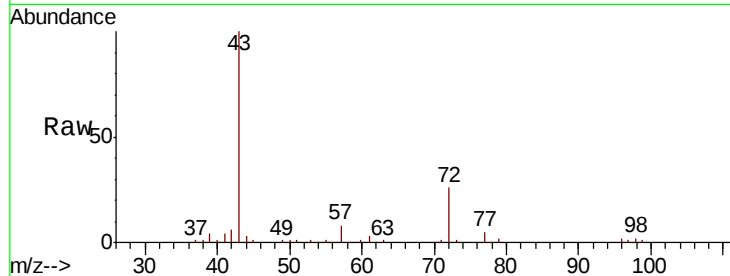
VU0920WBS01

Tot Ion: 43 Resp: 108406

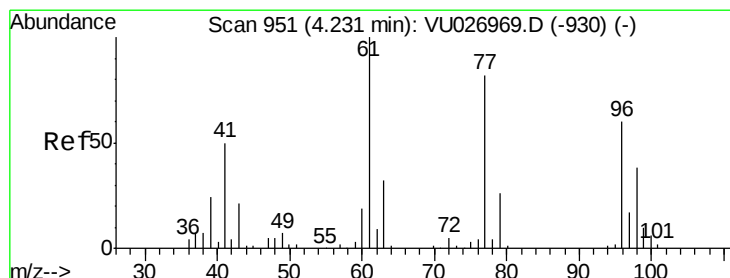
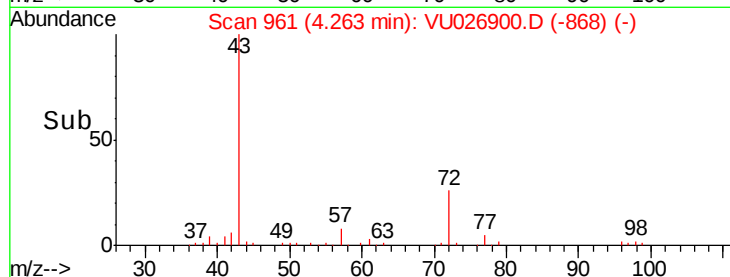
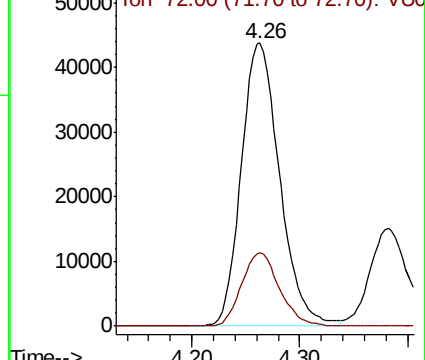
Ion Ratio Lower Upper

43 100

72 26.0 20.3 30.5



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



#26

2,2-Dichloropropane

Concen: 19.006 ug/l

RT: 4.23 min Scan# 950

Delta R.T. -0.00 min

Lab File: VU026900.D

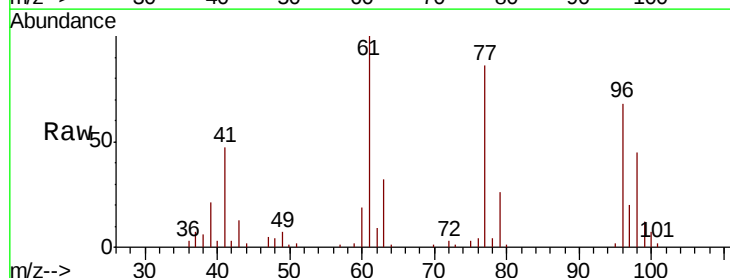
Acq: 19 Sep 2018 16:32

Tgt Ion: 77 Resp: 39327

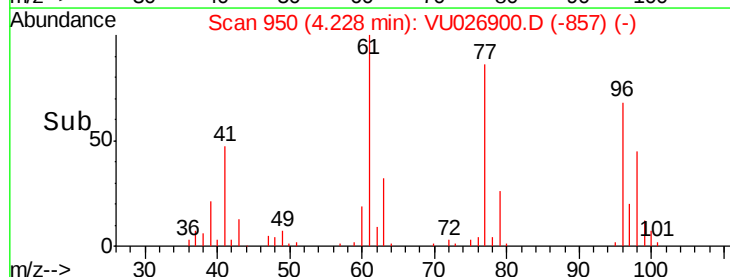
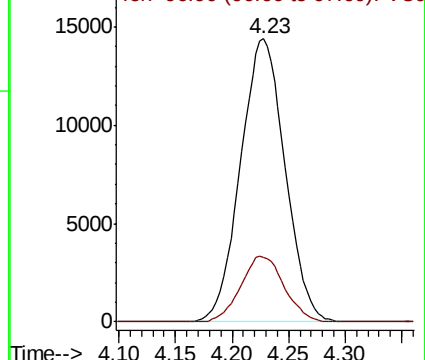
Ion Ratio Lower Upper

77 100

97 22.5 11.6 34.8



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



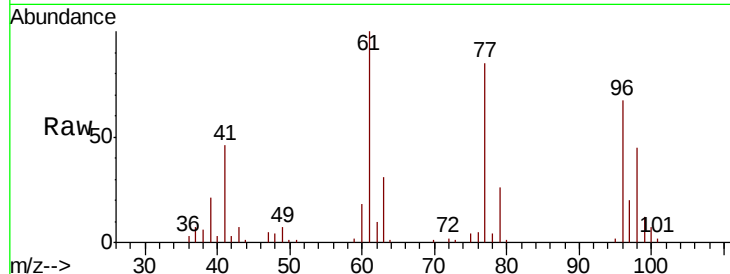


#27

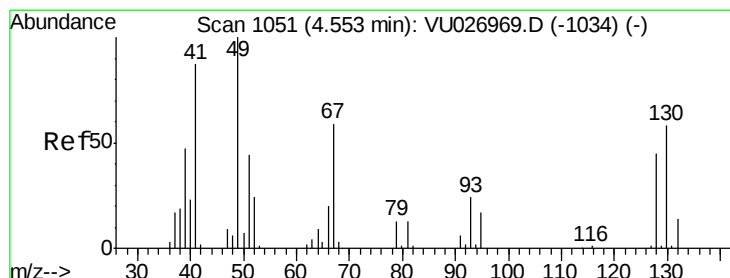
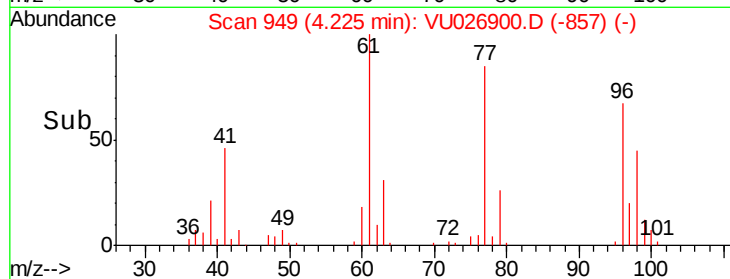
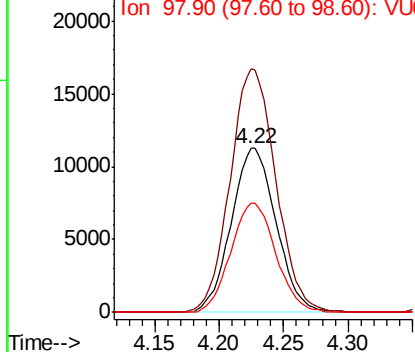
cis-1,2-Dichloroethene
 Concen: 18.838 ug/l
 RT: 4.22 min Scan# 949
 Delta R.T. -0.00 min
 Lab File: VU026900.D
 Acq: 19 Sep 2018 16:32

Instrument :
 MSVOA_U
 ClientSampleId :
 VU0920WBS01

Tot Ion: 96 Resp: 27153
 Ion Ratio Lower Upper
 96 100
 61 151.8 0.0 301.8
 98 66.9 0.0 127.2



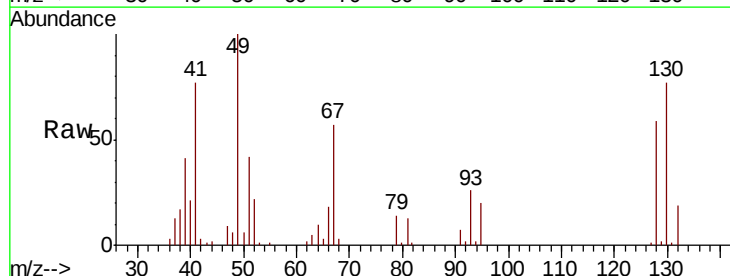
Abundance Ion 95.90 (95.60 to 96.60): VU0
 Ion 60.90 (60.60 to 61.60): VU0
 Ion 97.90 (97.60 to 98.60): VU0



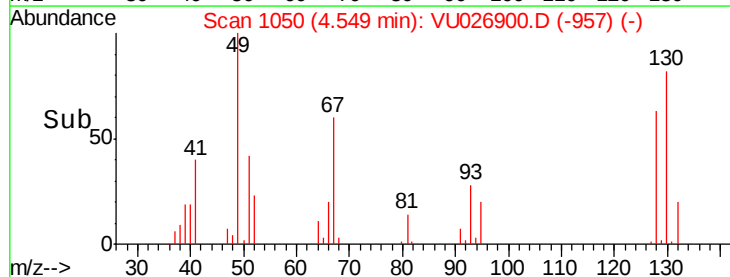
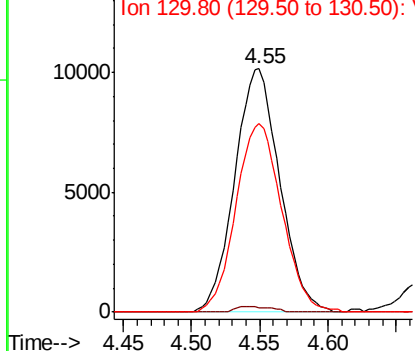
#28

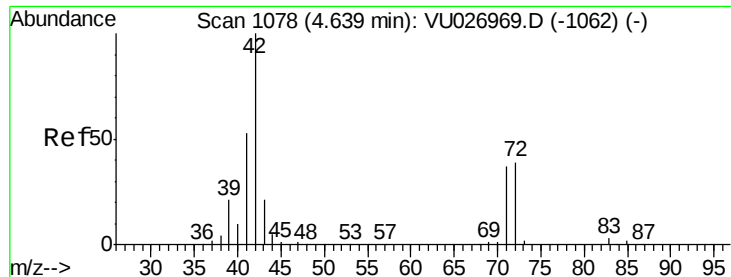
Bromochloromethane
 Concen: 19.311 ug/l
 RT: 4.55 min Scan# 1050
 Delta R.T. 0.00 min
 Lab File: VU026900.D
 Acq: 19 Sep 2018 16:32

Tgt Ion: 49 Resp: 23246
 Ion Ratio Lower Upper
 49 100
 129 1.9 0.0 3.8
 130 78.9 59.8 89.6



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: 92.077 ug/l

RT: 4.64 min Scan# 1078

Delta R.T. 0.00 min

Lab File: VU026900.D

Acq: 19 Sep 2018 16:32

Instrument :

MSVOA_U

ClientSampleId :

VU0920WBS01

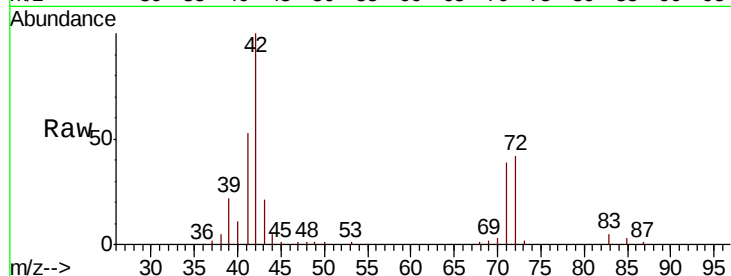
Tot Ion: 42 Resp: 66412

Ion Ratio Lower Upper

42 100

72 43.7 34.4 51.6

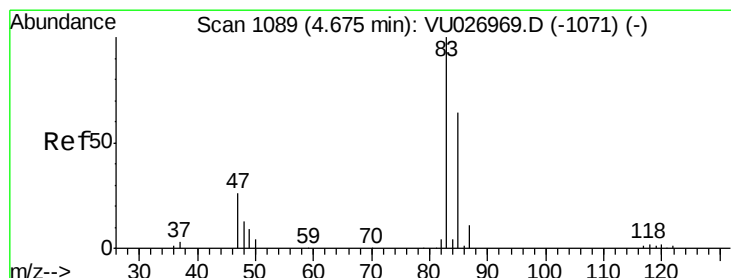
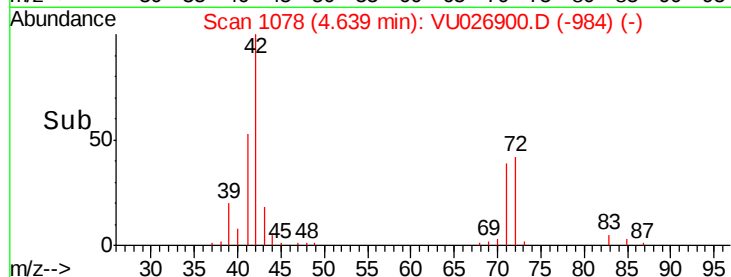
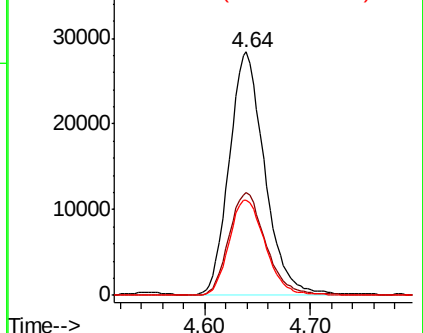
71 39.9 32.4 48.6



Abundance Ion 42.00 (41.70 to 42.70): VU0

Ion 72.00 (71.70 to 72.70): VU0

Ion 71.00 (70.70 to 71.70): VU0



#30

Chloroform

Concen: 19.007 ug/l

RT: 4.67 min Scan# 1089

Delta R.T. 0.00 min

Lab File: VU026900.D

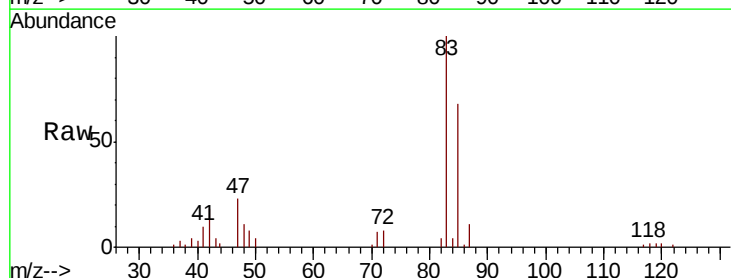
Acq: 19 Sep 2018 16:32

Tgt Ion: 83 Resp: 47051

Ion Ratio Lower Upper

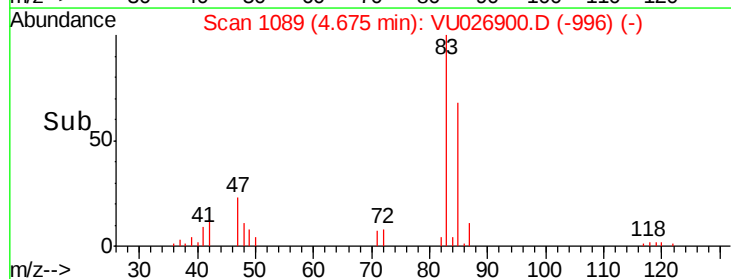
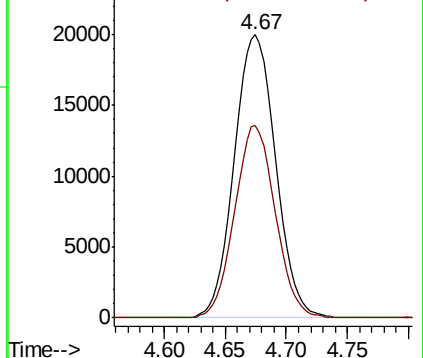
83 100

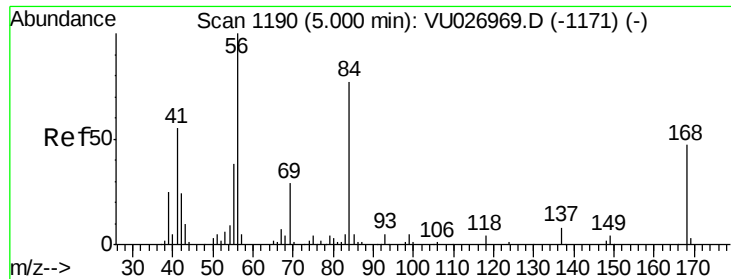
85 68.2 53.3 79.9



Abundance Ion 82.90 (82.60 to 83.60): VU0

Ion 84.90 (84.60 to 85.60): VU0

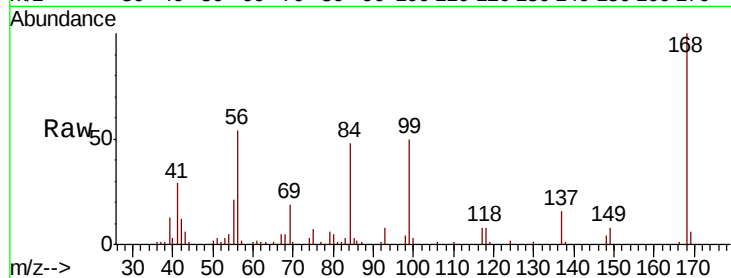




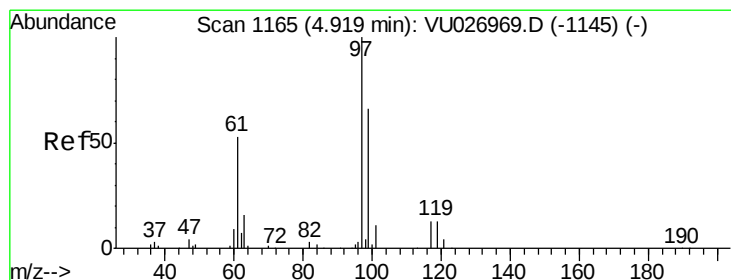
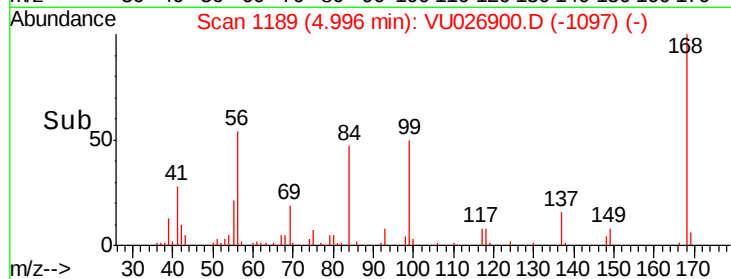
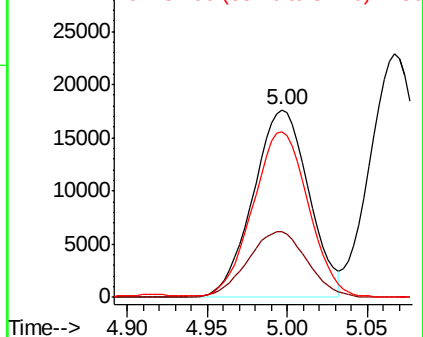
#31
Cyclohexane
Concen: 18.321 ug/l
RT: 5.00 min Scan# 1189
Delta R.T. -0.00 min
Lab File: VU026900.D
Acq: 19 Sep 2018 16:32

Instrument :
MSVOA_U
ClientSampleId :
VU0920WBS01

Tot Ion: 56 Resp: 42389
Ion Ratio Lower Upper
56 100
69 35.1 24.9 37.3
84 87.5 66.6 100.0

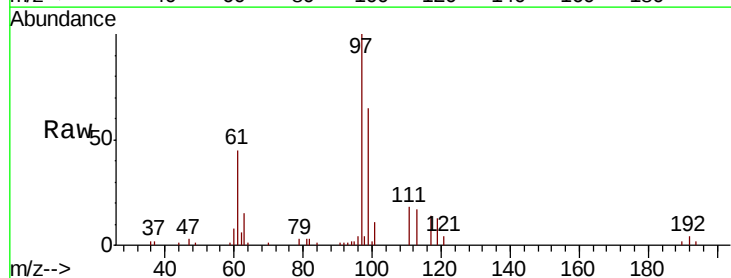


Abundance Ion 56.00 (55.70 to 56.70): VU0
Ion 69.00 (68.70 to 69.70): VU0
Ion 84.00 (83.70 to 84.70): VU0

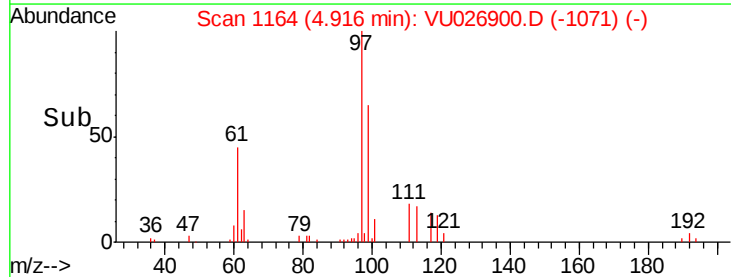
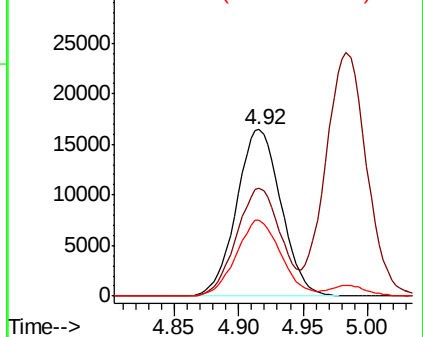


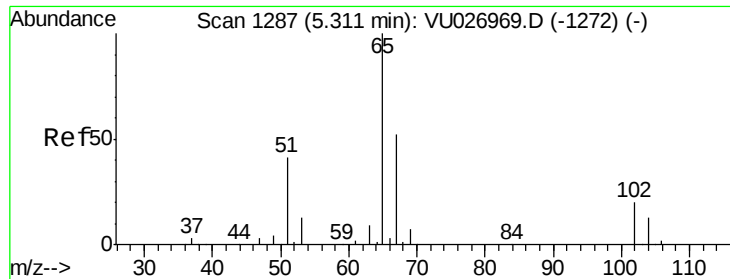
#32
1,1,1-Trichloroethane
Concen: 19.306 ug/l
RT: 4.92 min Scan# 1164
Delta R.T. 0.00 min
Lab File: VU026900.D
Acq: 19 Sep 2018 16:32

Tgt Ion: 97 Resp: 39569
Ion Ratio Lower Upper
97 100
99 65.1 52.2 78.2
61 45.8 36.8 55.2



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

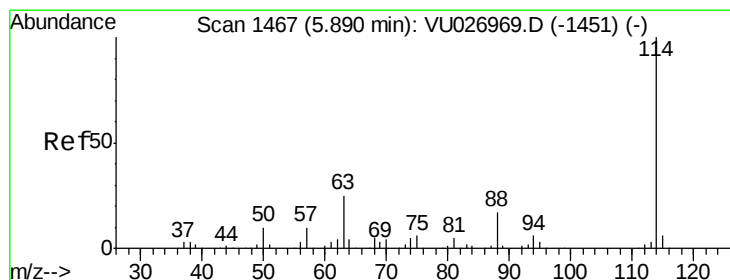
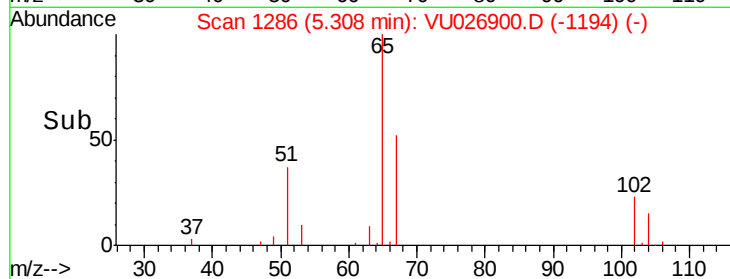
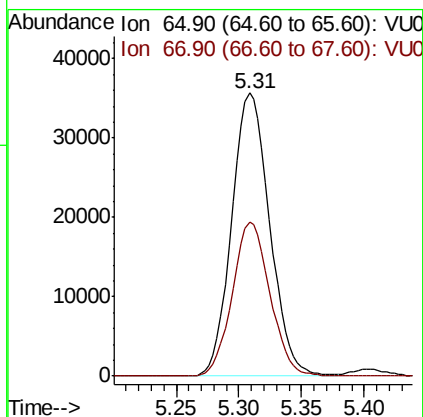
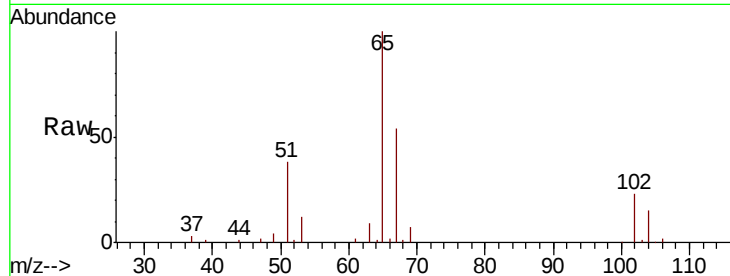




#33
 1,2-Dichloroethane-d4
 Concen: 47.916 ug/l
 RT: 5.31 min Scan# 1286
 Delta R.T. -0.00 min
 Lab File: VU026900.D
 Acq: 19 Sep 2018 16:32

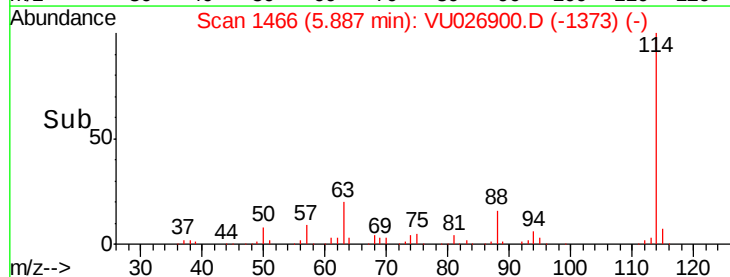
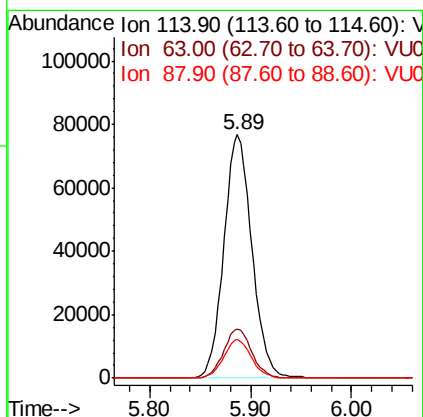
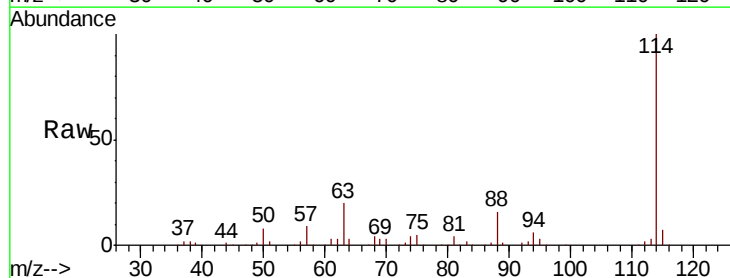
Instrument :
 MSVOA_U
 ClientSampleId :
 VU0920WBS01

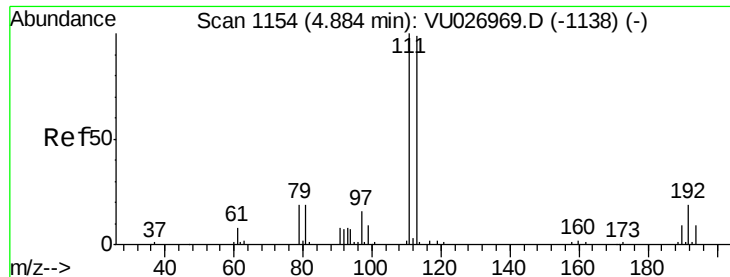
Tot Ion: 65 Resp: 75165
 Ion Ratio Lower Upper
 65 100
 67 53.7 0.0 106.4



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 5.89 min Scan# 1466
 Delta R.T. 0.00 min
 Lab File: VU026900.D
 Acq: 19 Sep 2018 16:32

Tgt Ion: 114 Resp: 149039
 Ion Ratio Lower Upper
 114 100
 63 20.1 0.0 41.4
 88 15.7 0.0 30.8

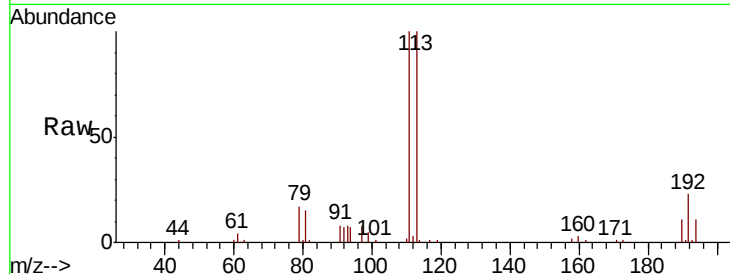




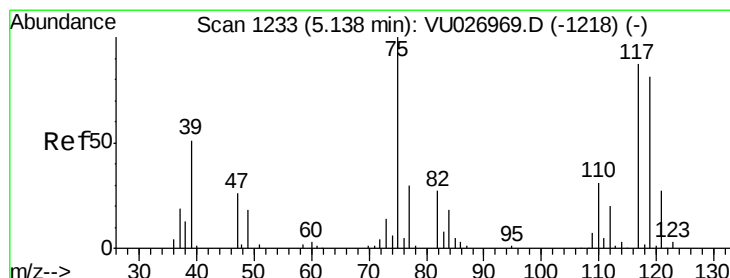
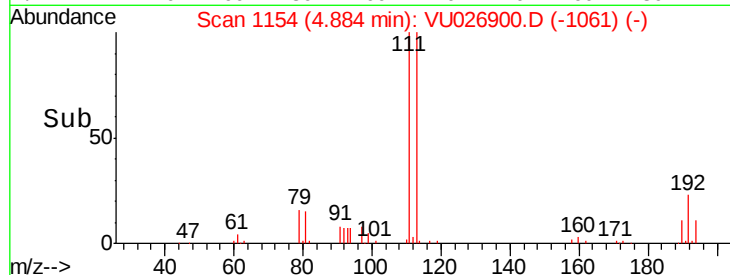
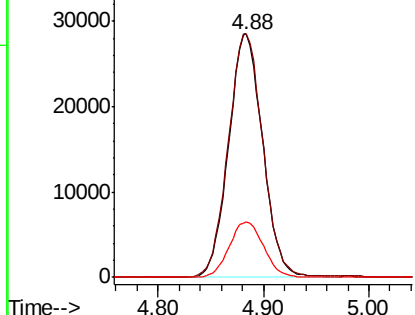
#35
 Dibromofluoromethane
 Concen: 52.449 ug/l
 RT: 4.88 min Scan# 1154
 Delta R.T. 0.00 min
 Lab File: VU026900.D
 Acq: 19 Sep 2018 16:32

Instrument :
 MSVOA_U
 ClientSampleId :
 VU0920WBS01

Tot Ion:113 Resp: 63762
 Ion Ratio Lower Upper
 113 100
 111 101.6 83.1 124.7
 192 22.9 17.4 26.2

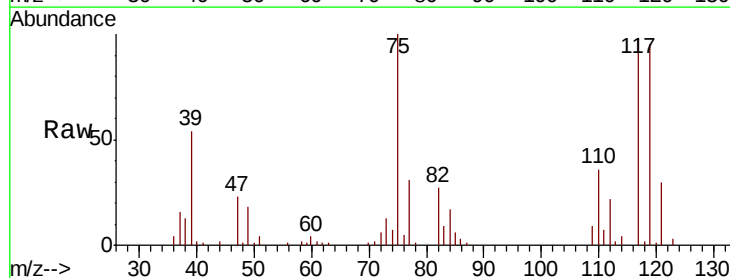


Abundance Ion 112.80 (112.50 to 113.50): V
 Ion 110.80 (110.50 to 111.50): V
 Ion 191.70 (191.40 to 192.40): V

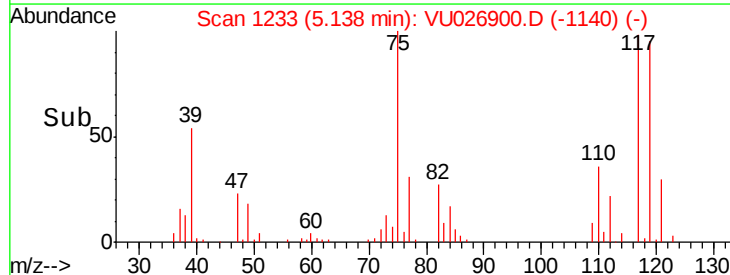
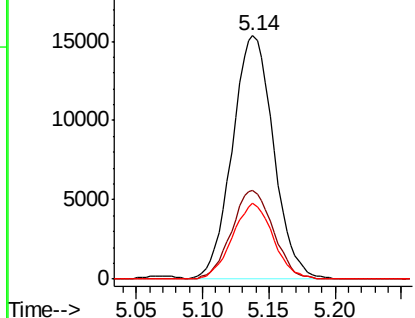


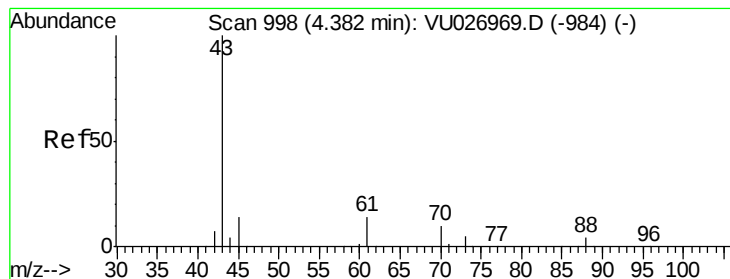
#36
 1,1-Dichloropropene
 Concen: 19.929 ug/l
 RT: 5.14 min Scan# 1233
 Delta R.T. 0.00 min
 Lab File: VU026900.D
 Acq: 19 Sep 2018 16:32

Tgt Ion: 75 Resp: 33348
 Ion Ratio Lower Upper
 75 100
 110 36.5 17.3 51.9
 77 30.7 24.9 37.3



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: 18.266 ug/l

RT: 4.38 min Scan# 998

Delta R.T. -0.00 min

Lab File: VU026900.D

Acq: 19 Sep 2018 16:32

Instrument :

MSVOA_U

ClientSampleId :

VU0920WBS01

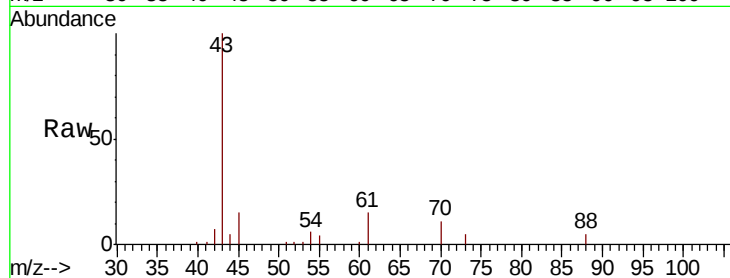
Tot Ion: 43 Resp: 36756

Ion Ratio Lower Upper

43 100

61 14.6 11.5 17.3

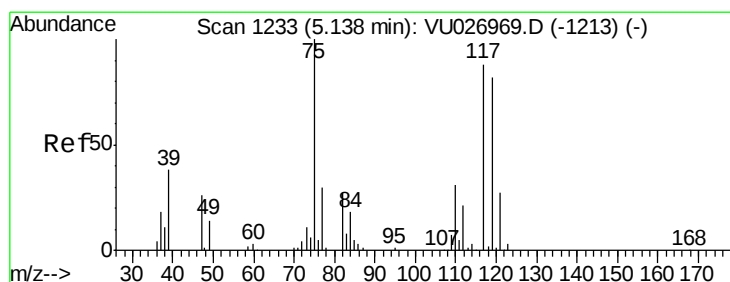
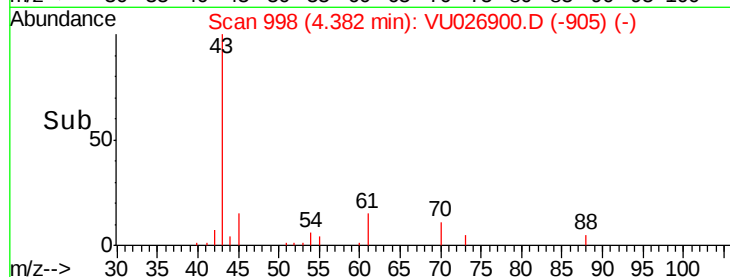
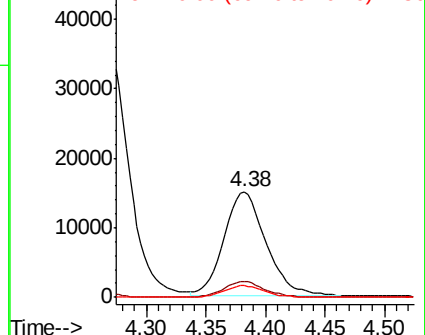
70 10.5 7.8 11.8



Abundance Ion 43.00 (42.70 to 43.70): VU026900.D (-905) (-)

Ion 60.90 (60.60 to 61.60): VU026900.D (-905) (-)

Ion 70.00 (69.70 to 70.70): VU026900.D (-905) (-)



#38

Carbon Tetrachloride

Concen: 19.637 ug/l

RT: 5.13 min Scan# 1232

Delta R.T. -0.00 min

Lab File: VU026900.D

Acq: 19 Sep 2018 16:32

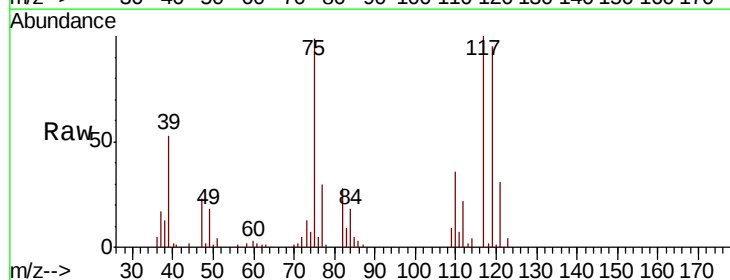
Tgt Ion: 117 Resp: 34717

Ion Ratio Lower Upper

117 100

119 95.5 77.8 116.8

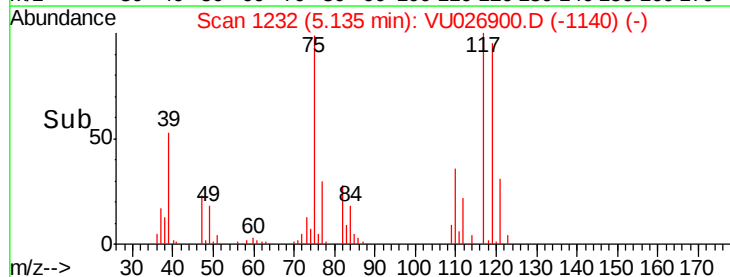
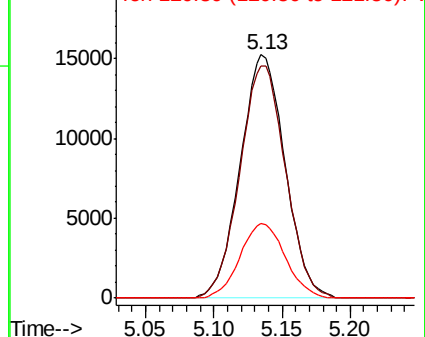
121 30.9 25.0 37.4



Abundance Ion 116.80 (116.50 to 117.50): VU026900.D (-1140) (-)

Ion 118.80 (118.50 to 119.50): VU026900.D (-1140) (-)

Ion 120.80 (120.50 to 121.50): VU026900.D (-1140) (-)

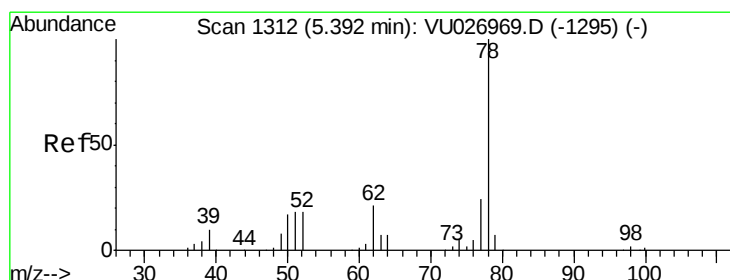
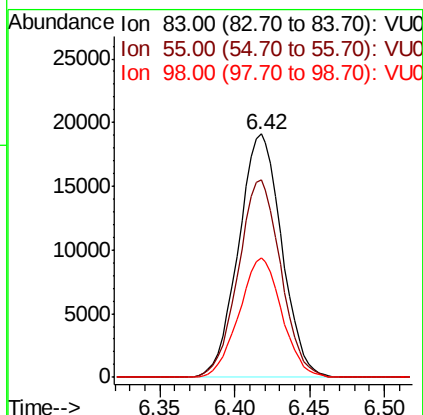
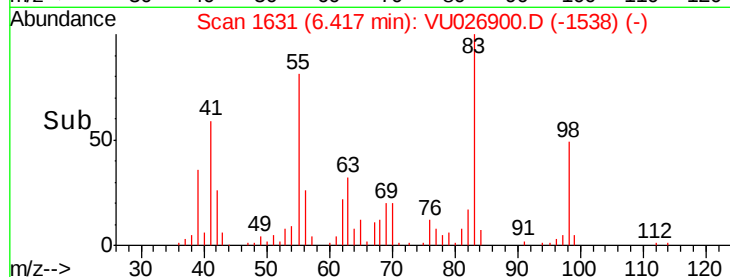
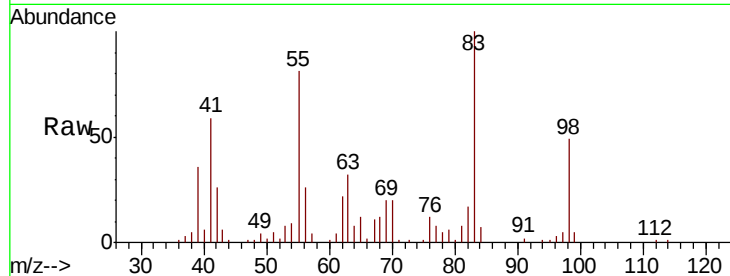




#39
Methvlcvclohexane
Concen: 19.256 ug/l
RT: 6.42 min Scan# 1631
Delta R.T. 0.00 min
Lab File: VU026900.D
Acq: 19 Sep 2018 16:32

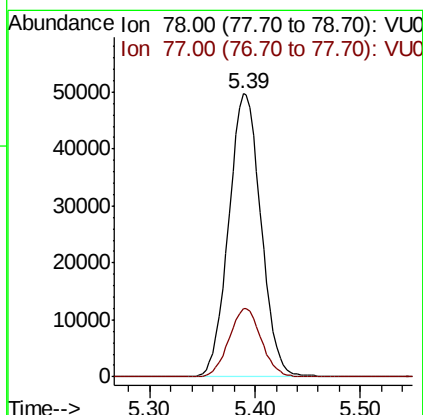
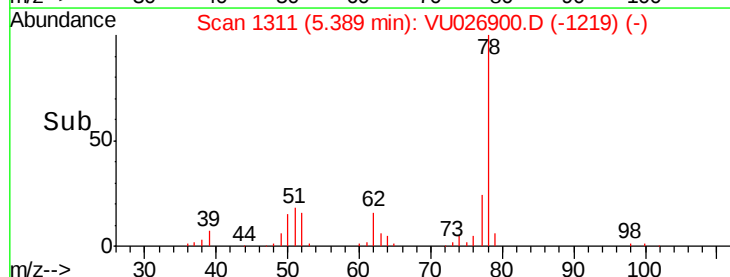
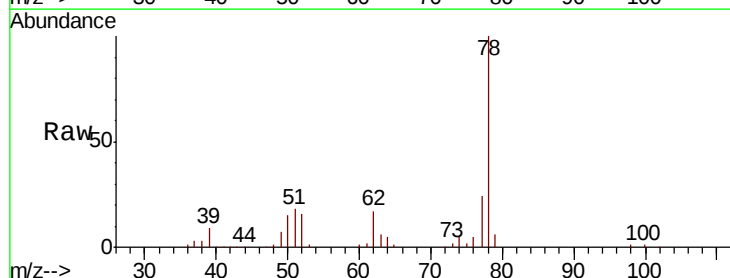
Instrument :
MSVOA_U
ClientSampleId :
VU0920WBS01

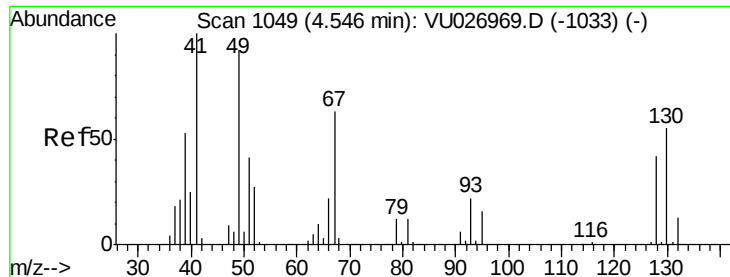
Tot Ion: 83 Resp: 38258
Ion Ratio Lower Upper
83 100
55 81.1 63.8 95.6
98 48.9 37.2 55.8



#40
Benzene
Concen: 20.262 ug/l
RT: 5.39 min Scan# 1311
Delta R.T. -0.00 min
Lab File: VU026900.D
Acq: 19 Sep 2018 16:32

Tgt Ion: 78 Resp: 105294
Ion Ratio Lower Upper
78 100
77 23.9 19.5 29.3





#41

Methacrylonitrile

Concen: 18.710 ug/l

RT: 4.54 min Scan# 1048

Delta R.T. 0.00 min

Lab File: VU026900.D

Acq: 19 Sep 2018 16:32

Instrument :

MSVOA_U

ClientSampleId :

VU0920WBS01

Tot Ion: 41 Resp: 20678

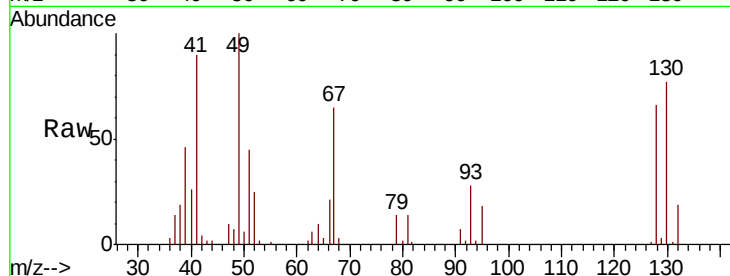
Ion Ratio Lower Upper

41 100

39 52.9 42.9 64.3

67 73.3 56.6 84.8

52 29.2 23.2 34.8

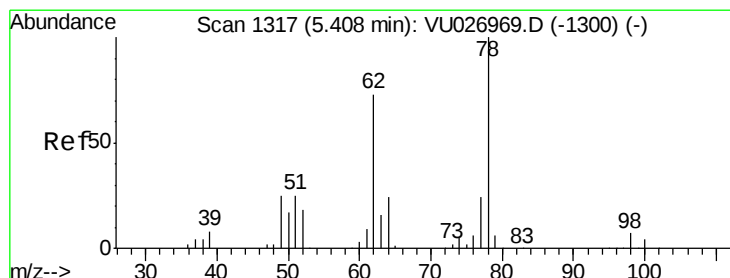
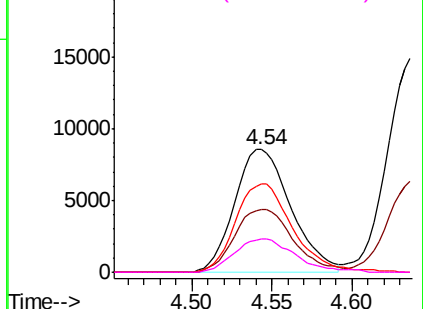
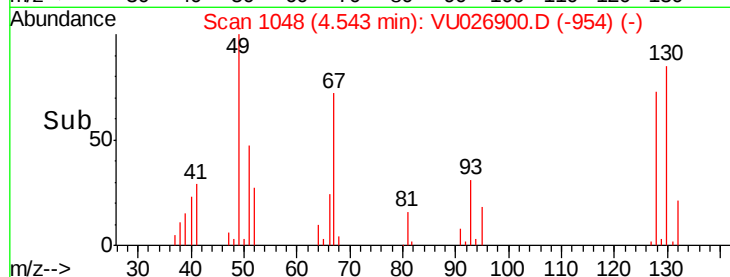


Abundance Ion 41.00 (40.70 to 41.70): VU0

Ion 39.00 (38.70 to 39.70): VU0

Ion 67.00 (66.70 to 67.70): VU0

Ion 52.00 (51.70 to 52.70): VU0



#42

1,2-Dichloroethane

Concen: 20.014 ug/l

RT: 5.40 min Scan# 1316

Delta R.T. -0.00 min

Lab File: VU026900.D

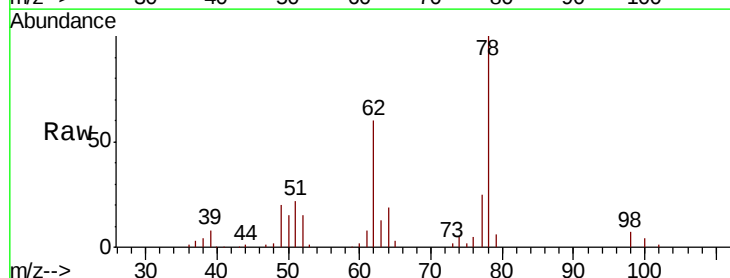
Acq: 19 Sep 2018 16:32

Tgt Ion: 62 Resp: 37086

Ion Ratio Lower Upper

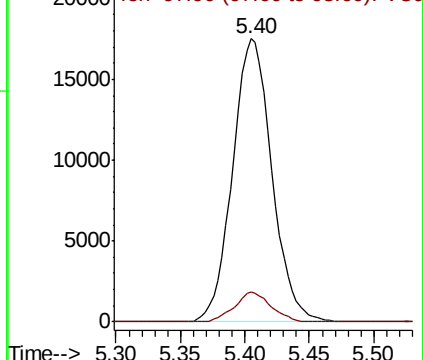
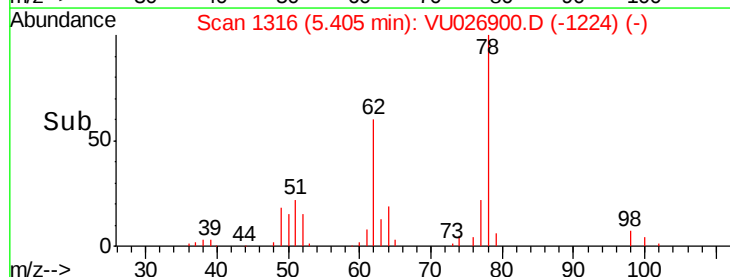
62 100

98 9.8 0.0 17.8



Abundance Ion 61.90 (61.60 to 62.60): VU0

Ion 97.90 (97.60 to 98.60): VU0

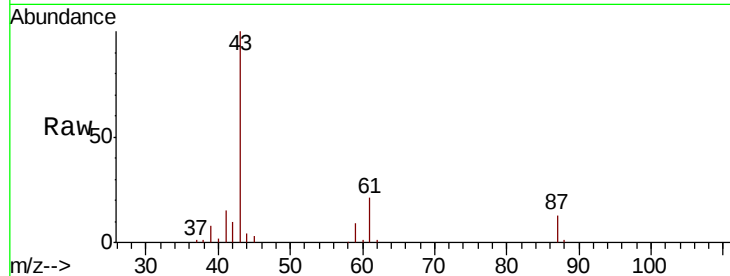




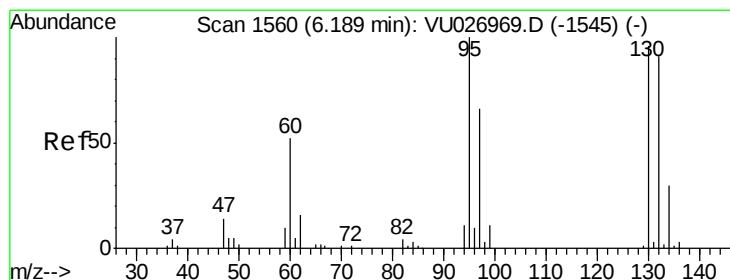
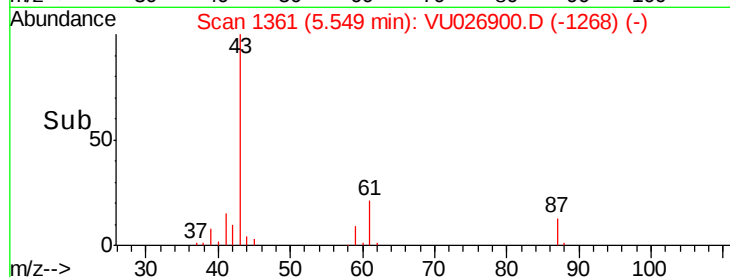
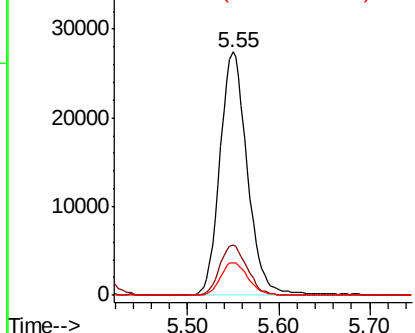
#43
Isopropyl Acetate
Concen: 18.837 ug/l
RT: 5.55 min Scan# 1361
Delta R.T. 0.00 min
Lab File: VU026900.D
Acq: 19 Sep 2018 16:32

Instrument :
MSVOA_U
ClientSampleId :
VU0920WBS01

Tot Ion: 43 Resp: 57715
Ion Ratio Lower Upper
43 100
61 20.4 16.0 24.0
87 13.4 10.1 15.1

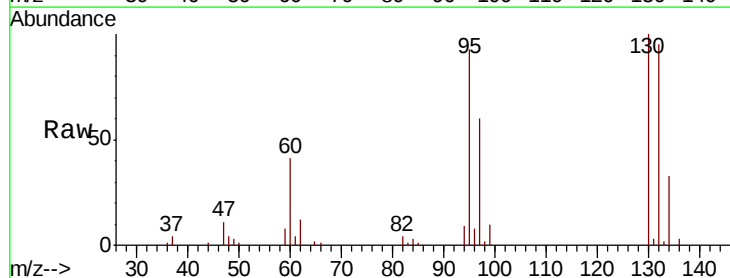


Abundance Ion 43.00 (42.70 to 43.70): VU0
Ion 61.00 (60.70 to 61.70): VU0
Ion 87.00 (86.70 to 87.70): VU0

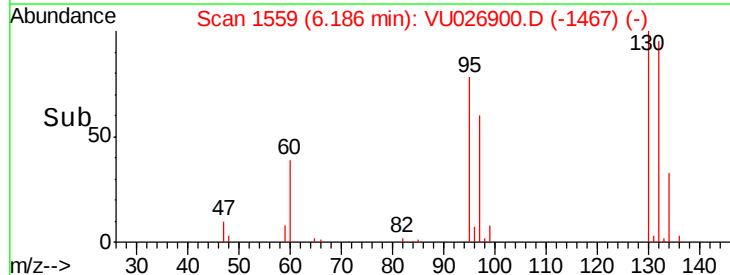
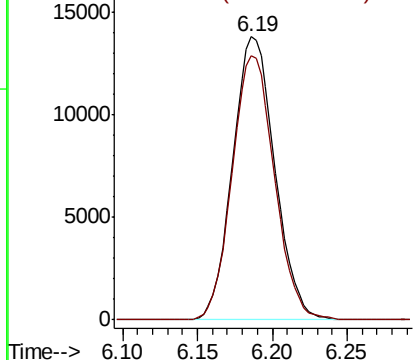


#44
Trichloroethene
Concen: 21.043 ug/l
RT: 6.19 min Scan# 1559
Delta R.T. -0.00 min
Lab File: VU026900.D
Acq: 19 Sep 2018 16:32

Tgt Ion:130 Resp: 27064
Ion Ratio Lower Upper
130 100
95 93.5 0.0 199.4



Abundance Ion 129.80 (129.50 to 130.50): V
Ion 94.90 (94.60 to 95.60): VU0





#45

1,2-Dichloropropane

Concen: 19.976 ug/l

RT: 6.43 min Scan# 1636

Delta R.T. -0.00 min

Lab File: VU026900.D

Acq: 19 Sep 2018 16:32

Instrument :

MSVOA_U

ClientSampleId :

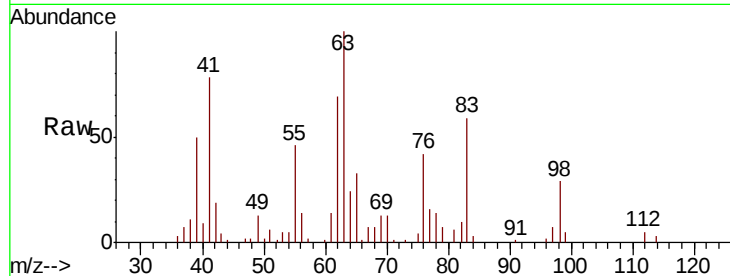
VU0920WBS01

Tot Ion: 63 Resp: 28220

Ion Ratio Lower Upper

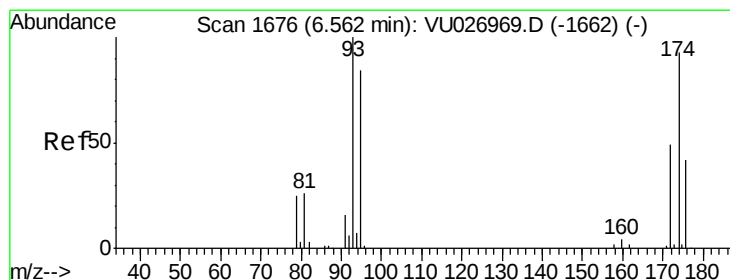
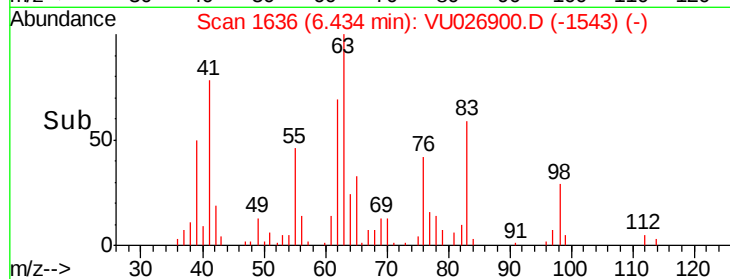
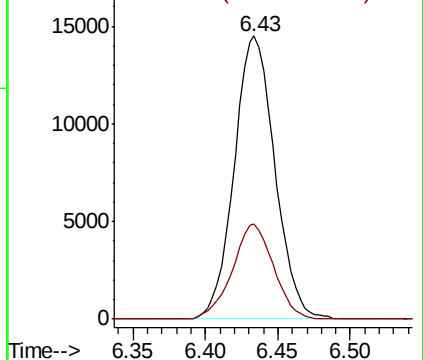
63 100

65 33.4 25.0 37.4



Abundance Ion 62.90 (62.60 to 63.60): VU0

Ion 64.90 (64.60 to 65.60): VU0



#46

Dibromomethane

Concen: 20.235 ug/l

RT: 6.56 min Scan# 1676

Delta R.T. 0.00 min

Lab File: VU026900.D

Acq: 19 Sep 2018 16:32

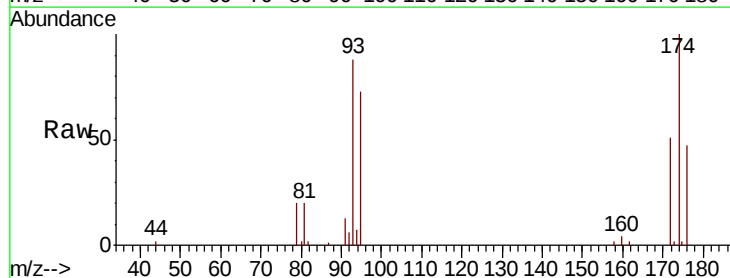
Tgt Ion: 93 Resp: 18447

Ion Ratio Lower Upper

93 100

95 83.2 65.4 98.2

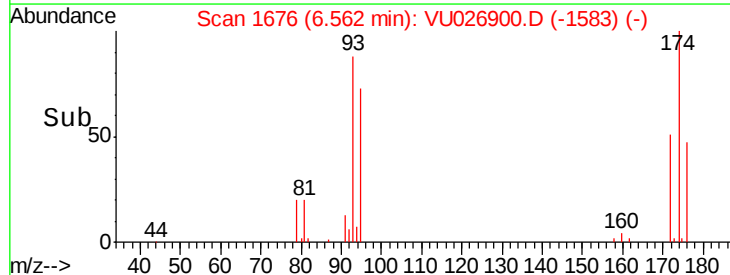
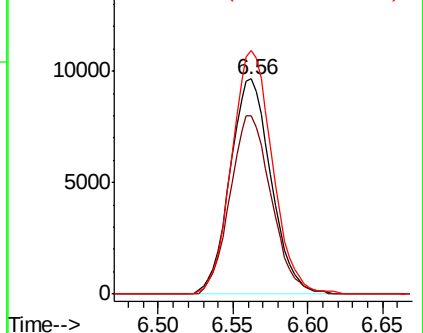
174 112.3 81.6 122.4



Abundance Ion 92.80 (92.50 to 93.50): VU0

Ion 94.80 (94.50 to 95.50): VU0

Ion 173.70 (173.40 to 174.40): V





#47

Bromodichloromethane

Concen: 19.847 ug/l

RT: 6.76 min Scan# 1737

Delta R.T. 0.00 min

Lab File: VU026900.D

Acq: 19 Sep 2018 16:32

Instrument :

MSVOA_U

ClientSampleId :

VU0920WBS01

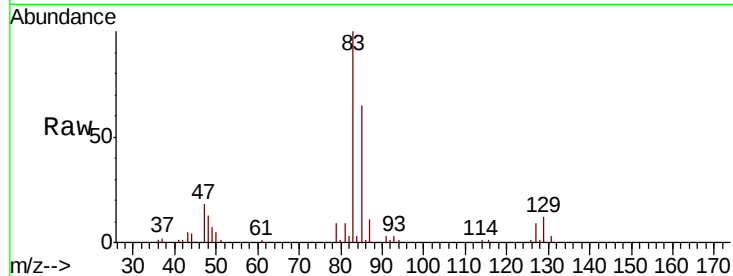
Tot Ion: 83 Resp: 35628

Ion Ratio Lower Upper

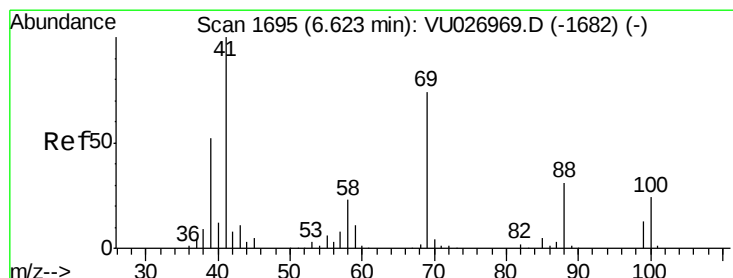
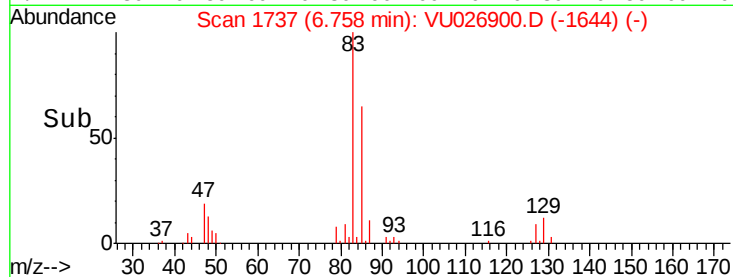
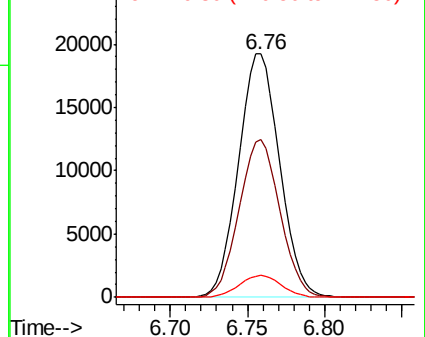
83 100

85 64.8 51.1 76.7

127 9.0 6.9 10.3



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



#48

Methyl methacrylate

Concen: 18.600 ug/l

RT: 6.62 min Scan# 1695

Delta R.T. 0.00 min

Lab File: VU026900.D

Acq: 19 Sep 2018 16:32

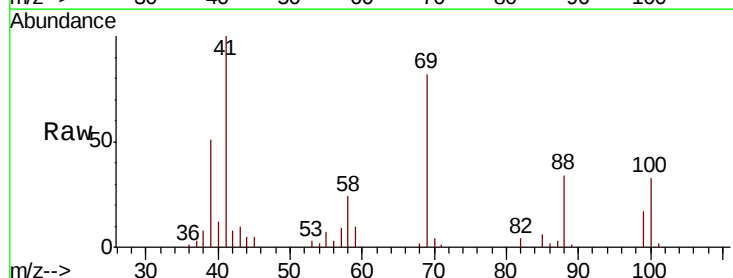
Tgt Ion: 41 Resp: 29176

Ion Ratio Lower Upper

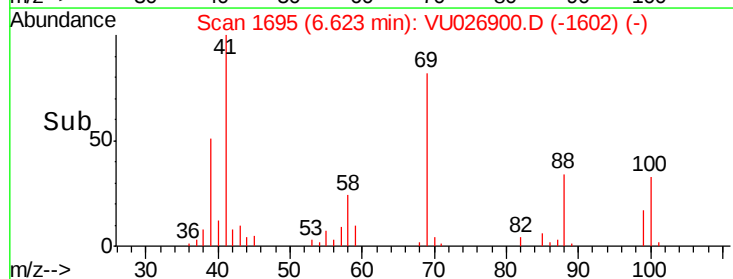
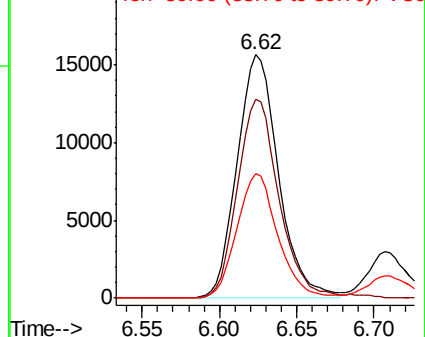
41 100

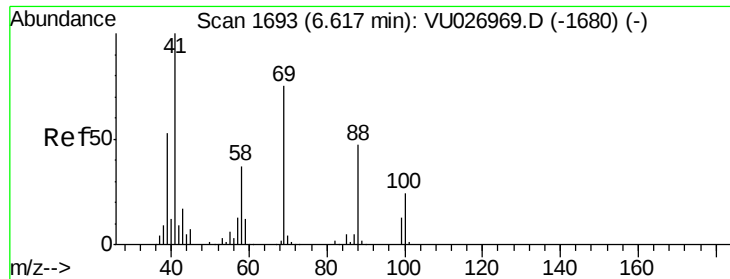
69 82.2 66.6 99.8

39 50.3 43.6 65.4



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

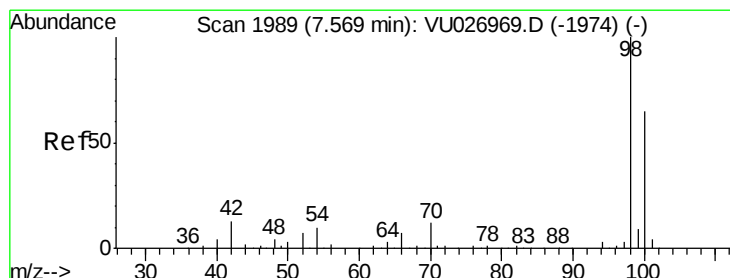
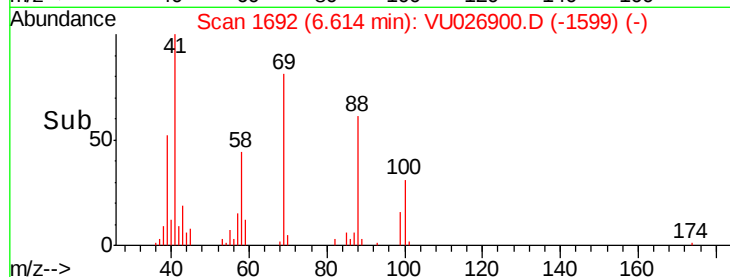
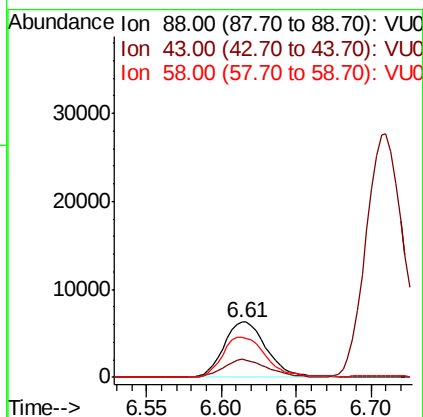
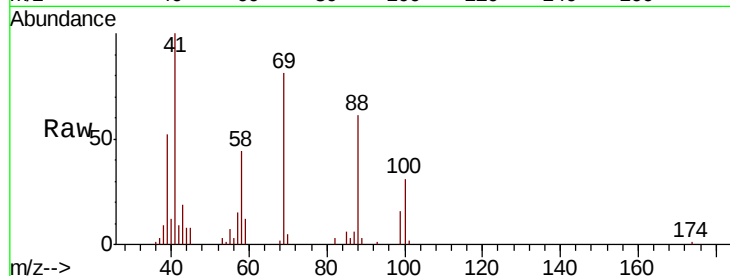




#49
1,4-Dioxane
Concen: 348.647 ug/l
RT: 6.61 min Scan# 1692
Delta R.T. 0.00 min
Lab File: VU026900.D
Acq: 19 Sep 2018 16:32

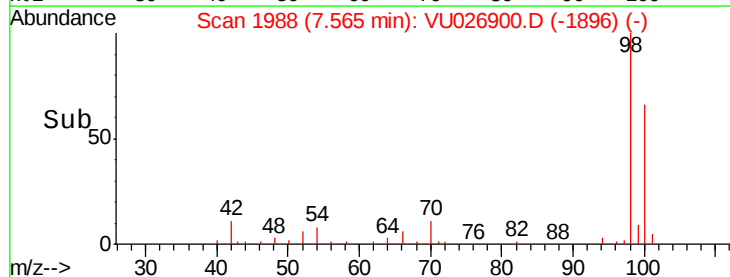
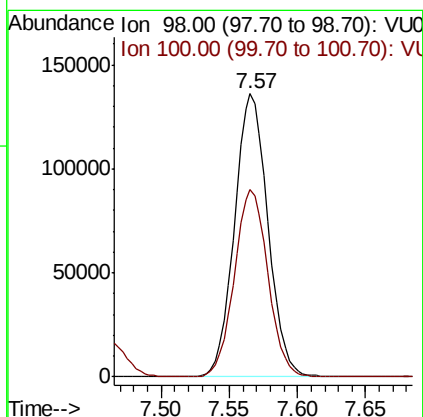
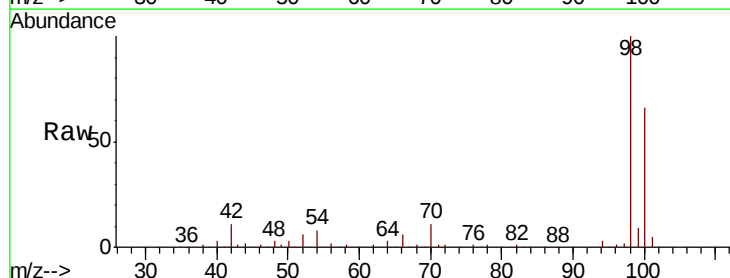
Instrument :
MSVOA_U
ClientSampleId :
VU0920WBS01

Tot Ion: 88 Resp: 12614
Ion Ratio Lower Upper
88 100
43 33.2 25.5 38.3
58 74.2 58.2 87.4



#50
Toluene-d8
Concen: 51.424 ug/l
RT: 7.57 min Scan# 1988
Delta R.T. -0.00 min
Lab File: VU026900.D
Acq: 19 Sep 2018 16:32

Tgt Ion: 98 Resp: 231220
Ion Ratio Lower Upper
98 100
100 66.2 51.2 76.8





#51

4-Methyl-2-Pentanone

Concen: 93.355 ug/l

RT: 7.46 min Scan# 1956

Delta R.T. 0.00 min

Lab File: VU026900.D

Acq: 19 Sep 2018 16:32

Instrument :

MSVOA_U

ClientSampleId :

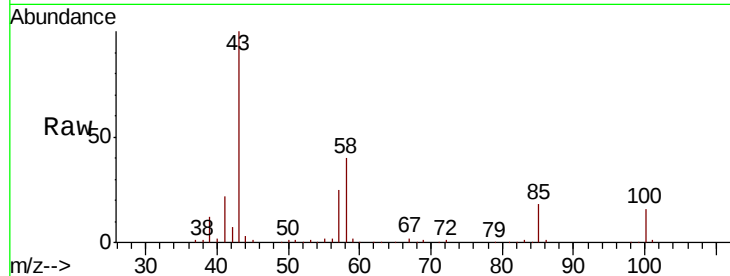
VU0920WBS01

Tot Ion: 43 Resp: 191325

Ion Ratio Lower Upper

43 100

58 39.8 31.1 46.7



Abundance Ion 43.00 (42.70 to 43.70): VU026969.D (-1939) (-)

Ion 58.00 (57.70 to 58.70): VU026969.D (-1939) (-)

7.46

120000

100000

80000

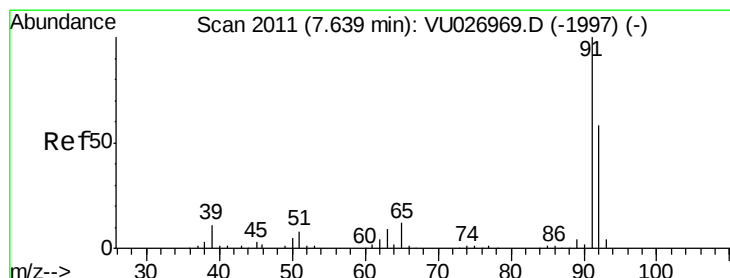
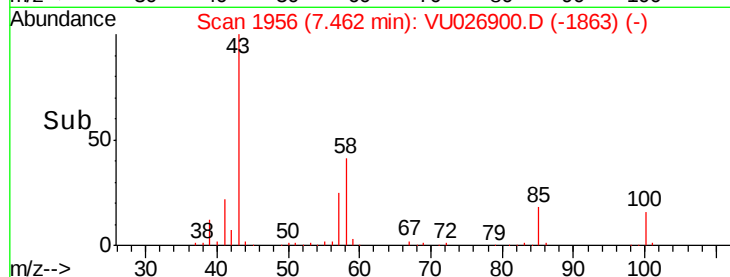
60000

40000

20000

0

Time-->



#52

Toluene

Concen: 21.117 ug/l

RT: 7.64 min Scan# 2011

Delta R.T. 0.00 min

Lab File: VU026900.D

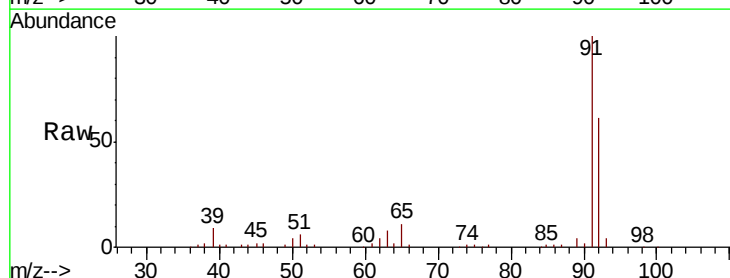
Acq: 19 Sep 2018 16:32

Tgt Ion: 92 Resp: 65368

Ion Ratio Lower Upper

92 100

91 169.4 141.1 211.7



Abundance Ion 92.00 (91.70 to 92.70): VU026969.D (-1997) (-)

Ion 91.00 (90.70 to 91.70): VU026969.D (-1997) (-)

7.64

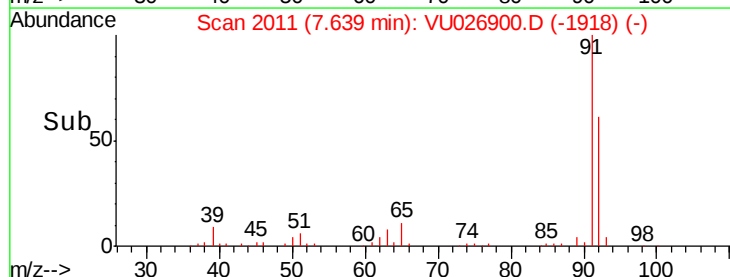
60000

40000

20000

0

Time-->

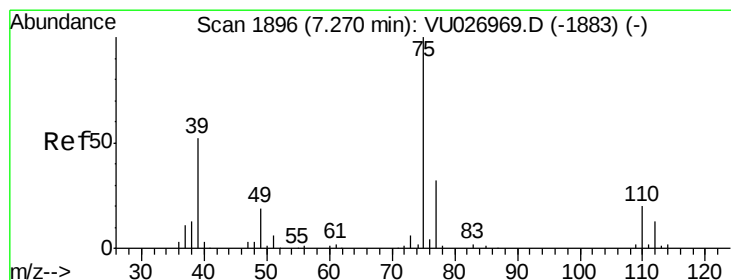
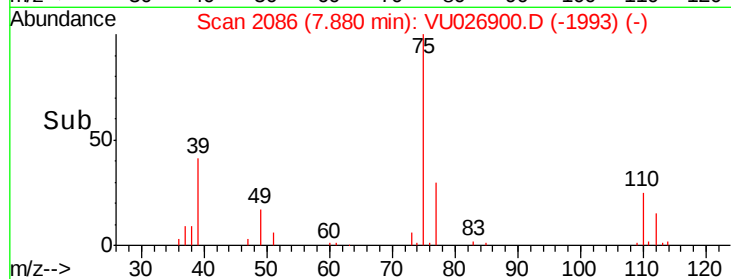
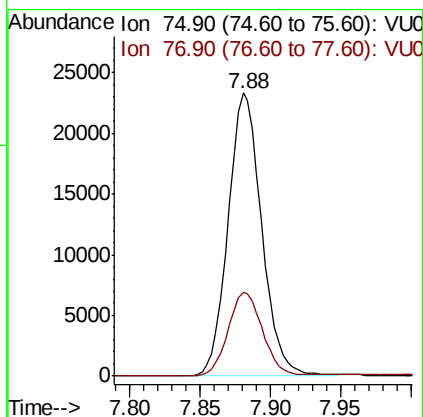
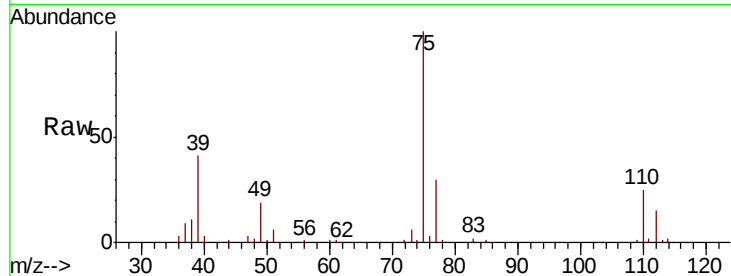




#53
t-1,3-Dichloropropene
Concen: 19.502 ug/l
RT: 7.88 min Scan# 2086
Delta R.T. -0.00 min
Lab File: VU026900.D
Acq: 19 Sep 2018 16:32

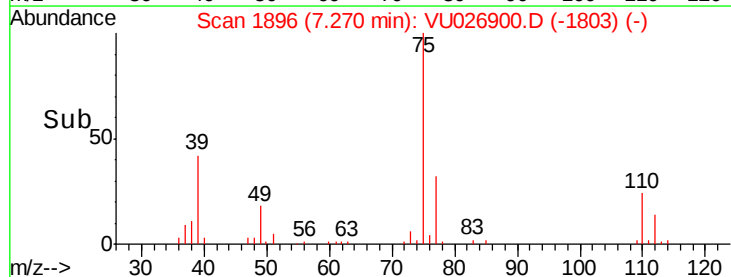
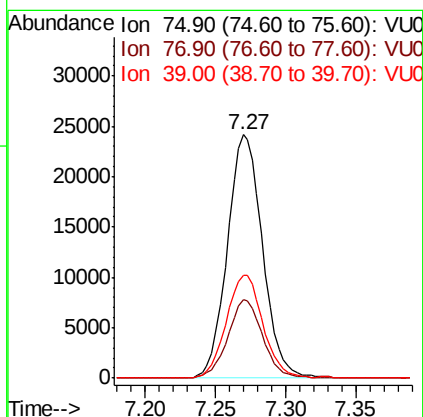
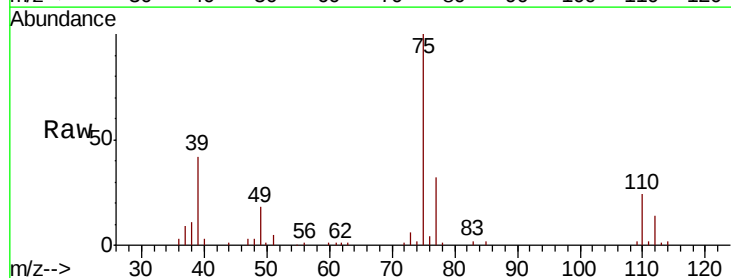
Instrument :
MSVOA_U
ClientSampleId :
VU0920WBS01

Tot Ion: 75 Resp: 38832
Ion Ratio Lower Upper
75 100
77 29.6 25.2 37.8



#54
cis-1,3-Dichloropropene
Concen: 19.699 ug/l
RT: 7.27 min Scan# 1896
Delta R.T. 0.00 min
Lab File: VU026900.D
Acq: 19 Sep 2018 16:32

Tgt Ion: 75 Resp: 42118
Ion Ratio Lower Upper
75 100
77 32.4 25.5 38.3
39 42.3 37.0 55.6

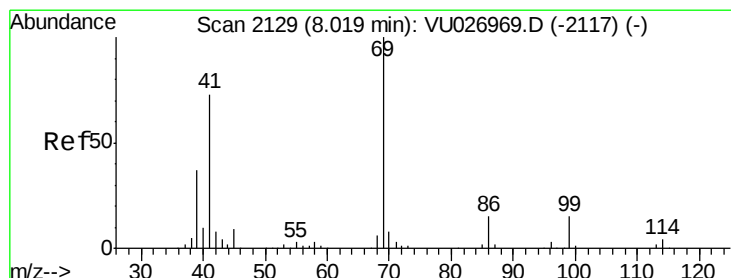
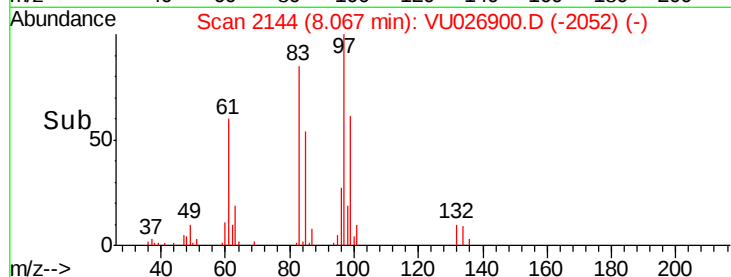
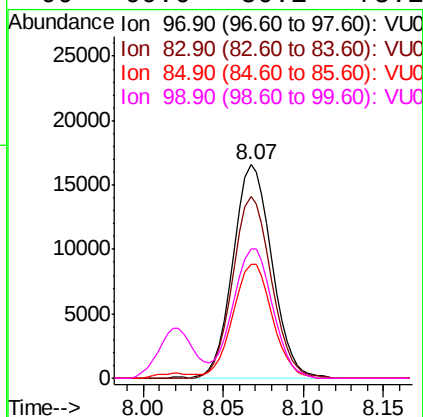
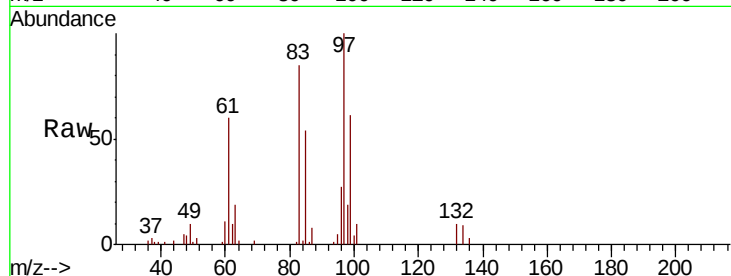




#55
 1,1,2-Trichloroethane
 Concen: 20.696 ug/l
 RT: 8.07 min Scan# 2144
 Delta R.T. -0.00 min
 Lab File: VU026900.D
 Acq: 19 Sep 2018 16:32

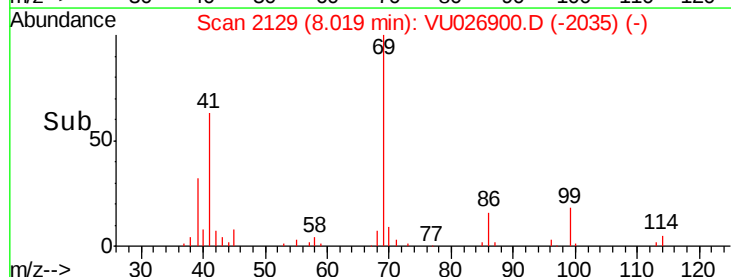
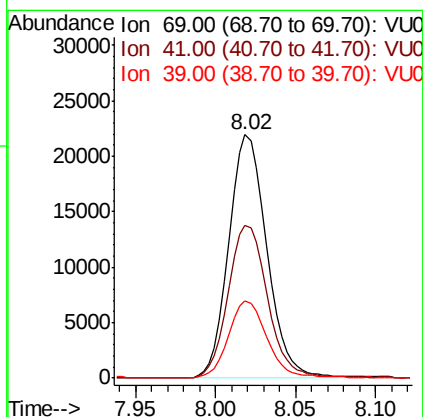
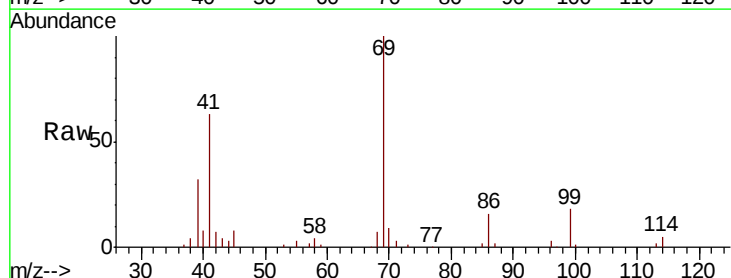
Instrument :
 MSVOA_U
 ClientSampleId :
 VU0920WBS01

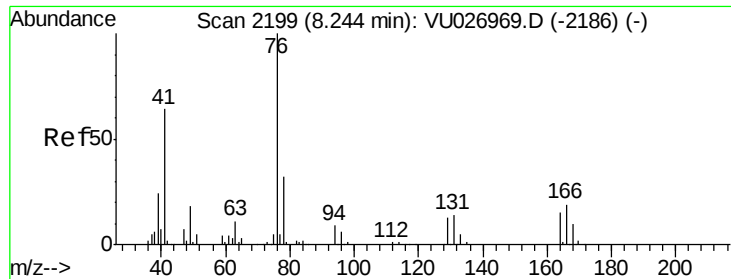
Tot Ion:	97	Resp:	27448
Ion	Ratio	Lower	Upper
97	100		
83	84.9	69.3	103.9
85	53.6	45.9	68.9
99	60.6	50.1	75.1



#56
 Ethyl methacrylate
 Concen: 17.861 ug/l
 RT: 8.02 min Scan# 2129
 Delta R.T. 0.00 min
 Lab File: VU026900.D
 Acq: 19 Sep 2018 16:32

Tgt Ion:	69	Resp:	35564
Ion	Ratio	Lower	Upper
69	100		
41	65.4	54.2	81.2
39	32.3	28.4	42.6

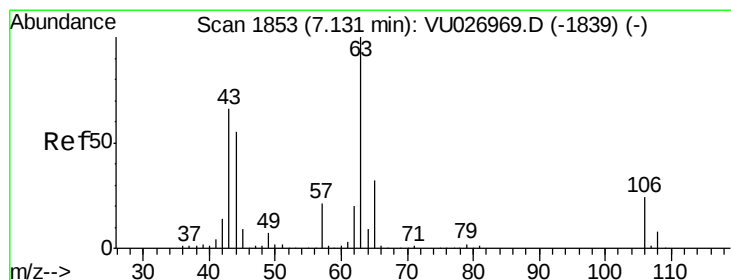
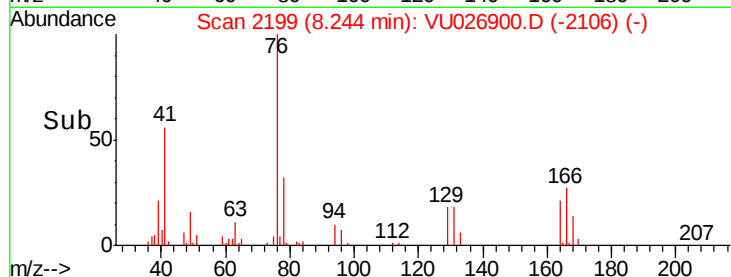
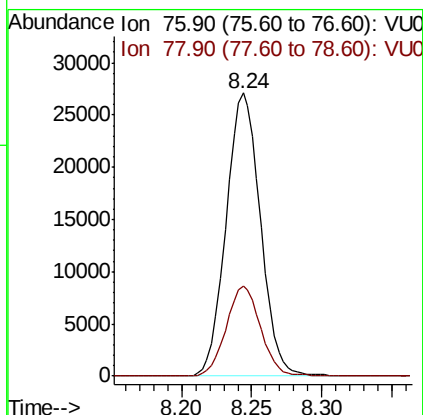
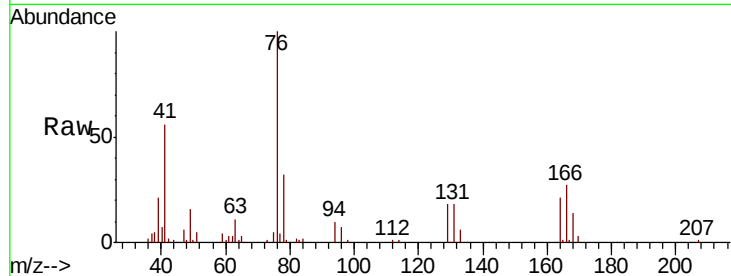




#57
 1,3-Dichloropropane
 Concen: 20.369 ug/l
 RT: 8.24 min Scan# 2199
 Delta R.T. -0.00 min
 Lab File: VU026900.D
 Acq: 19 Sep 2018 16:32

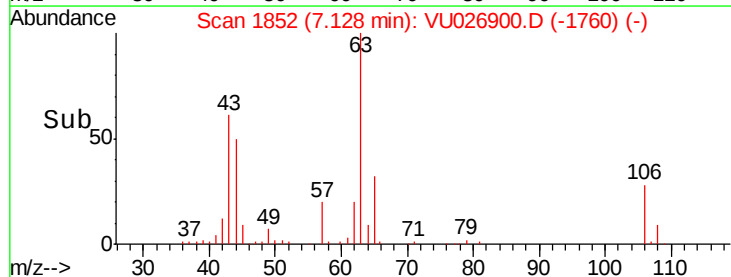
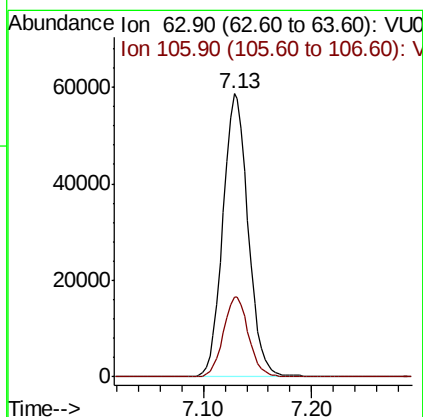
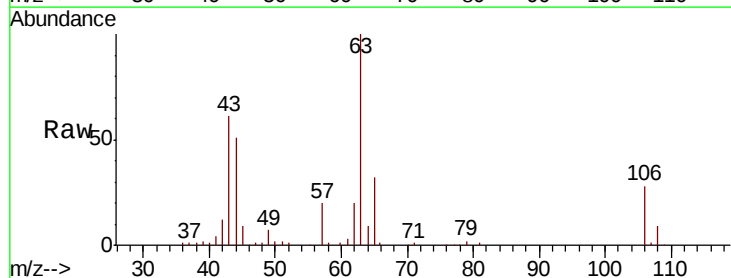
Instrument :
 MSVOA_U
 ClientSampleId :
 VU0920WBS01

Tot Ion: 76 Resp: 46044
 Ion Ratio Lower Upper
 76 100
 78 31.6 26.0 39.0



#58
 2-Chloroethyl Vinyl ether
 Concen: 95.711 ug/l
 RT: 7.13 min Scan# 1852
 Delta R.T. -0.00 min
 Lab File: VU026900.D
 Acq: 19 Sep 2018 16:32

Tgt Ion: 63 Resp: 95758
 Ion Ratio Lower Upper
 63 100
 106 27.9 20.5 30.7

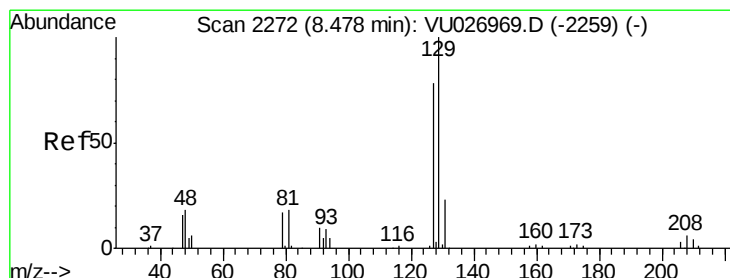
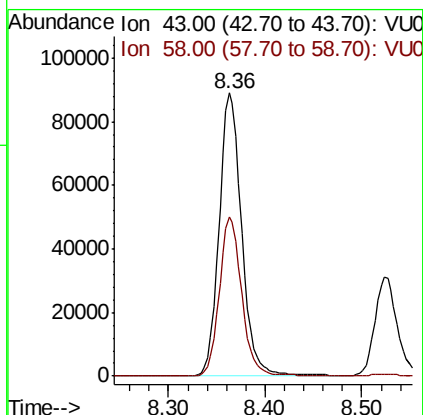
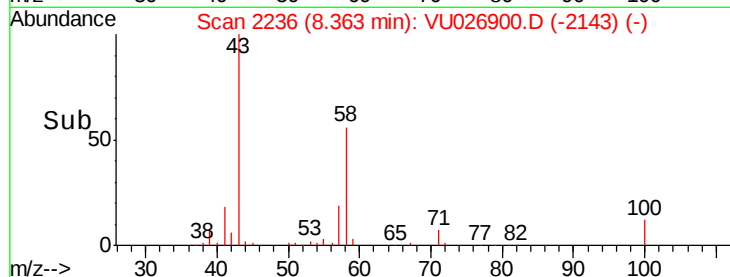
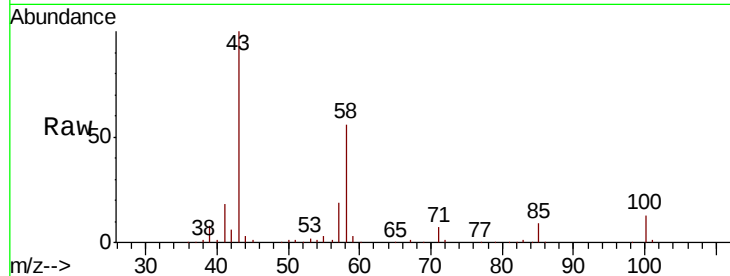




#59
2-Hexanone
Concen: 89.482 ug/l
RT: 8.36 min Scan# 2236
Delta R.T. 0.00 min
Lab File: VU026900.D
Acq: 19 Sep 2018 16:32

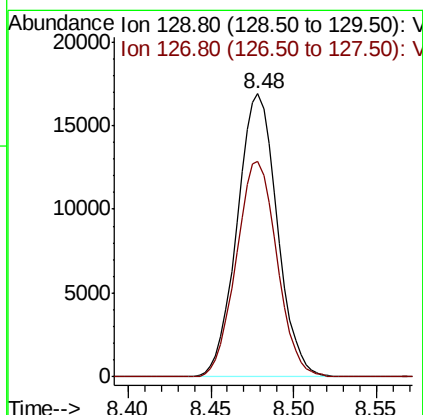
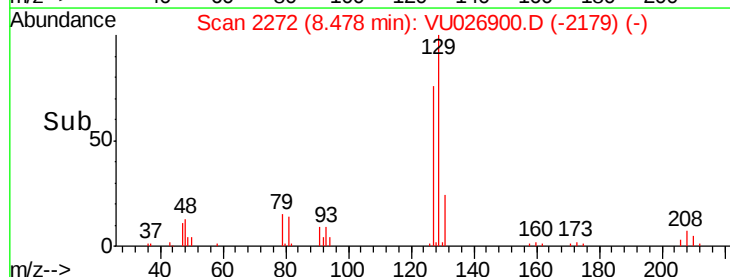
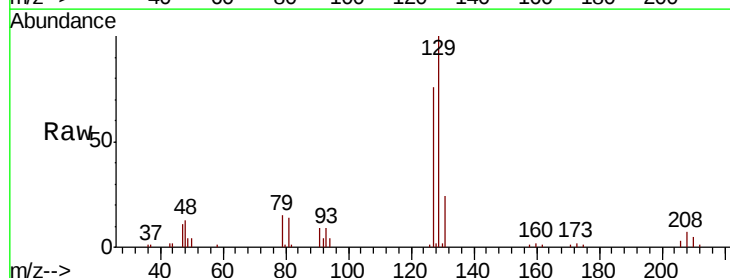
Instrument :
MSVOA_U
ClientSampleId :
VU0920WBS01

Tot Ion: 43 Resp: 144325
Ion Ratio Lower Upper
43 100
58 55.8 26.9 80.7



#60
Dibromochloromethane
Concen: 19.766 ug/l
RT: 8.48 min Scan# 2272
Delta R.T. -0.00 min
Lab File: VU026900.D
Acq: 19 Sep 2018 16:32

Tgt Ion: 129 Resp: 28391
Ion Ratio Lower Upper
129 100
127 77.1 38.3 114.9

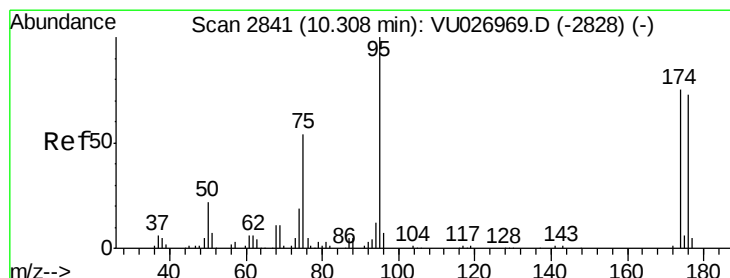
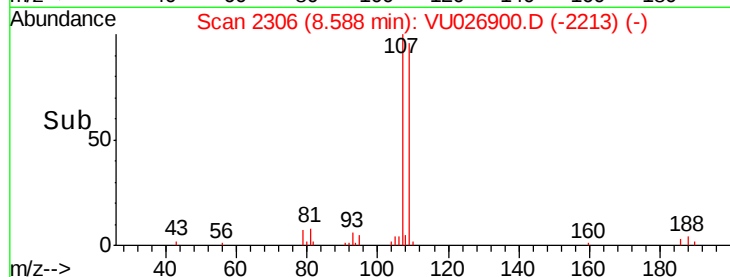
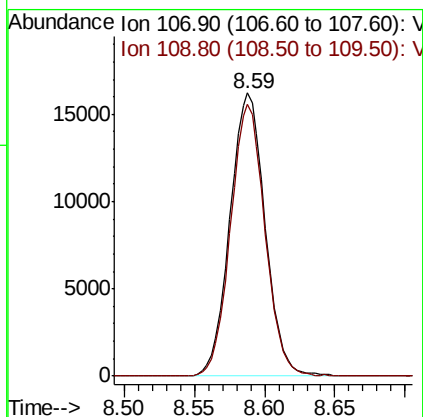
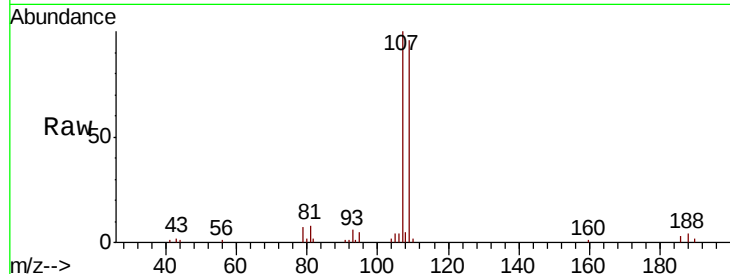




#61
 1,2-Dibromoethane
 Concen: 19.634 ug/l
 RT: 8.59 min Scan# 2306
 Delta R.T. -0.00 min
 Lab File: VU026900.D
 Acq: 19 Sep 2018 16:32

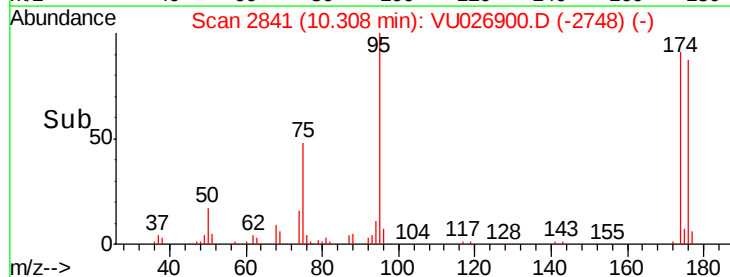
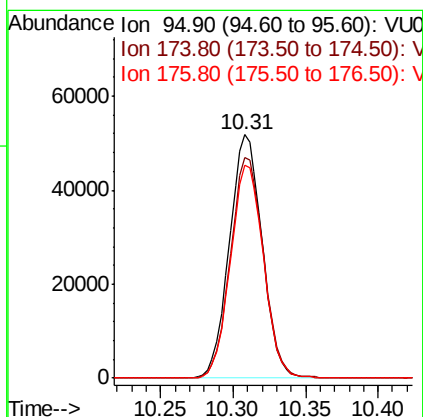
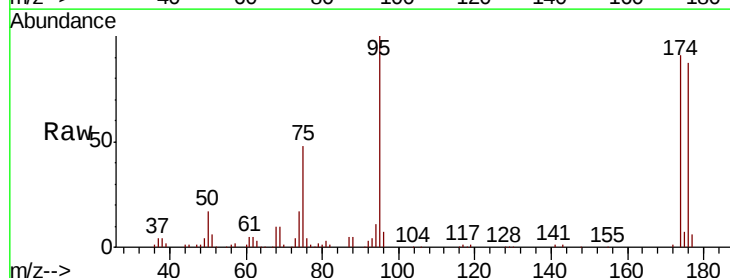
Instrument :
 MSVOA_U
 ClientSampleId :
 VU0920WBS01

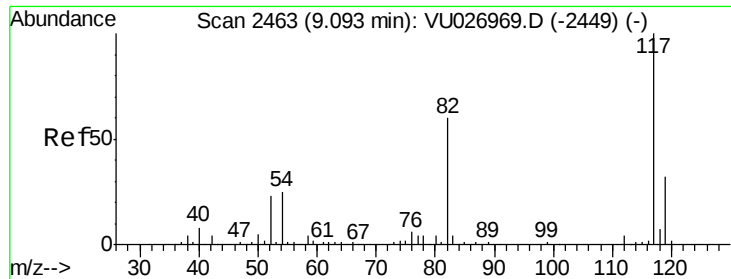
Tot Ion:107 Resp: 28253
 Ion Ratio Lower Upper
 107 100
 109 93.9 75.7 113.5



#62
 4-Bromofluorobenzene
 Concen: 49.697 ug/l
 RT: 10.31 min Scan# 2841
 Delta R.T. 0.00 min
 Lab File: VU026900.D
 Acq: 19 Sep 2018 16:32

Tgt Ion: 95 Resp: 80988
 Ion Ratio Lower Upper
 95 100
 174 91.5 0.0 172.8
 176 88.2 0.0 168.6

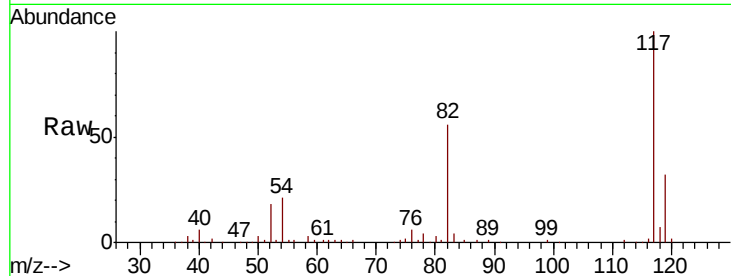




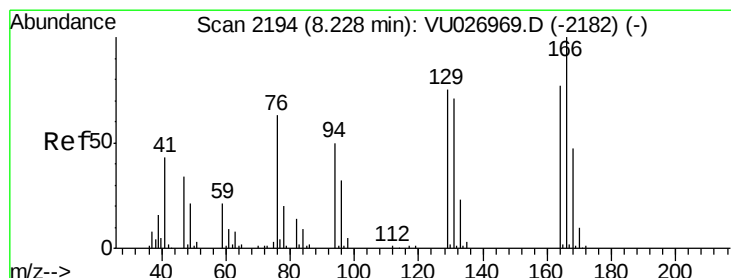
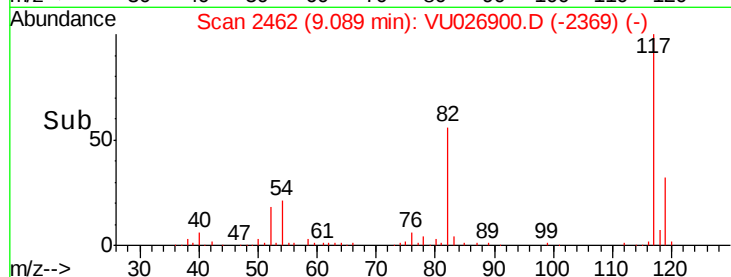
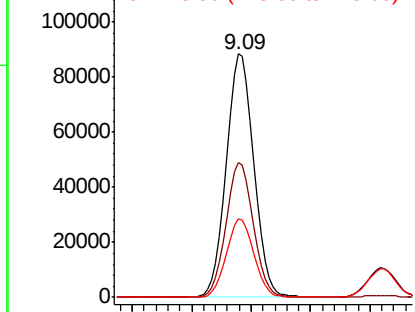
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.09 min Scan# 2462
Delta R.T. 0.00 min
Lab File: VU026900.D
Acq: 19 Sep 2018 16:32

Instrument :
MSVOA_U
ClientSampleId :
VU0920WBS01

Tot Ion:117 Resp: 142438
Ion Ratio Lower Upper
117 100
82 55.6 44.1 66.1
119 32.1 25.7 38.5



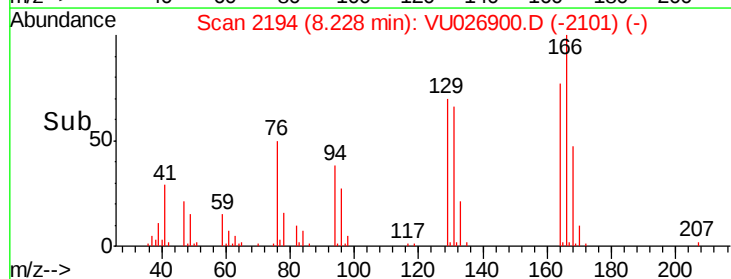
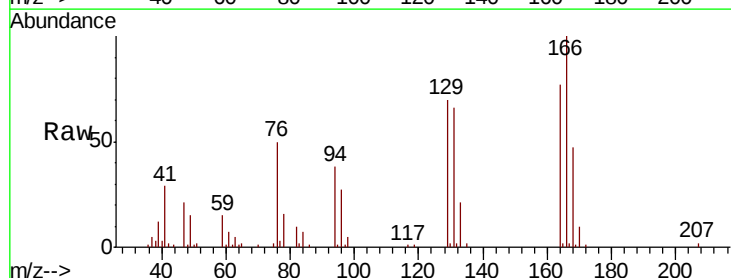
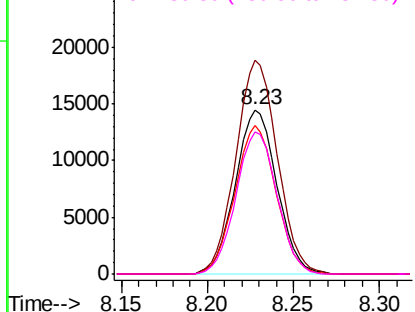
Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VU0
Ion 118.90 (118.60 to 119.60): V



#64
Tetrachloroethene
Concen: 21.414 ug/l
RT: 8.23 min Scan# 2194
Delta R.T. 0.00 min
Lab File: VU026900.D
Acq: 19 Sep 2018 16:32

Tgt Ion:164 Resp: 24277
Ion Ratio Lower Upper
164 100
166 130.3 100.5 150.7
129 90.8 75.3 112.9
131 86.4 71.4 107.2

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

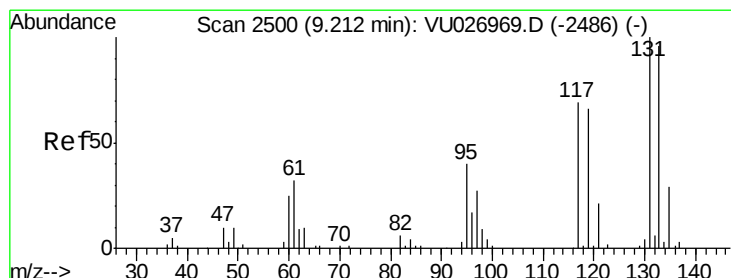
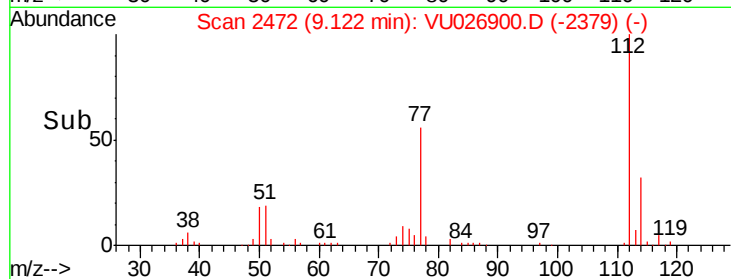
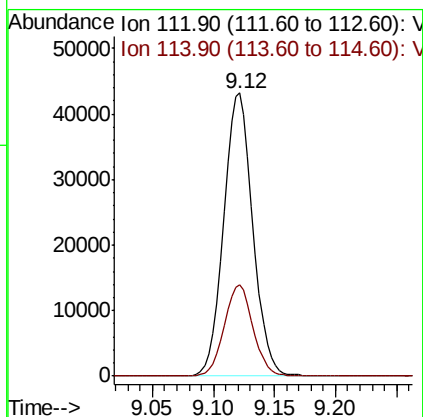
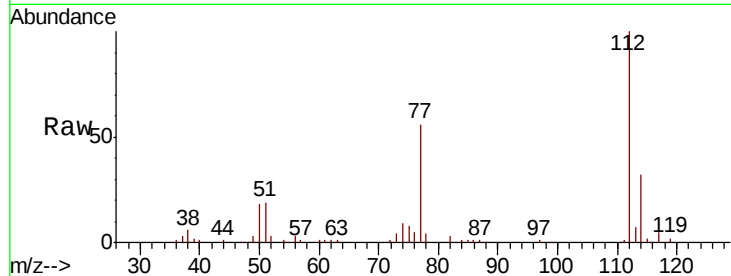




#65
Chlorobenzene
Concen: 20.436 ug/l
RT: 9.12 min Scan# 2472
Delta R.T. 0.00 min
Lab File: VU026900.D
Acq: 19 Sep 2018 16:32

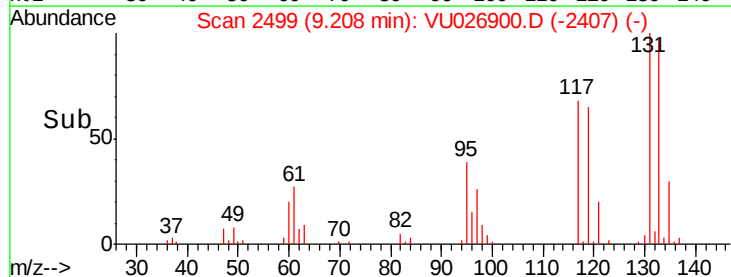
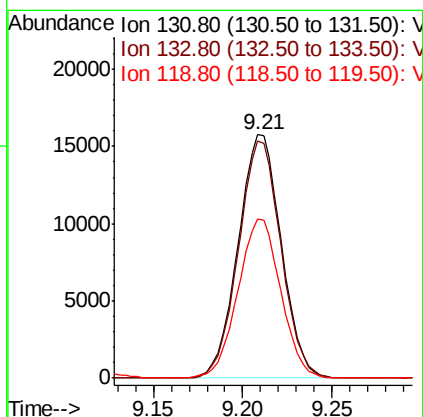
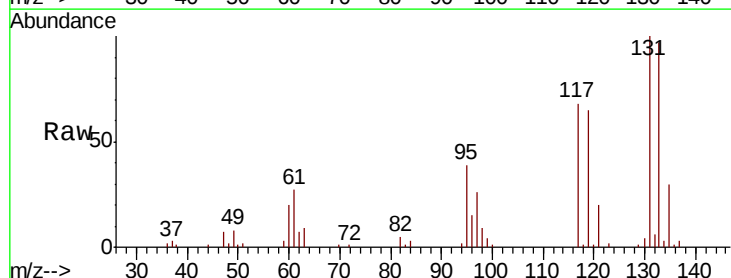
Instrument :
MSVOA_U
ClientSampleId :
VU0920WBS01

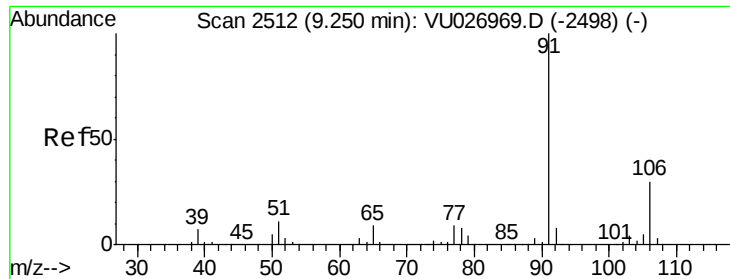
Tot Ion:112 Resp: 72318
Ion Ratio Lower Upper
112 100
114 32.3 25.5 38.3



#66
1,1,1,2-Tetrachloroethane
Concen: 20.396 ug/l
RT: 9.21 min Scan# 2499
Delta R.T. -0.00 min
Lab File: VU026900.D
Acq: 19 Sep 2018 16:32

Tgt Ion:131 Resp: 26557
Ion Ratio Lower Upper
131 100
133 96.2 48.9 146.6
119 64.8 32.7 98.1

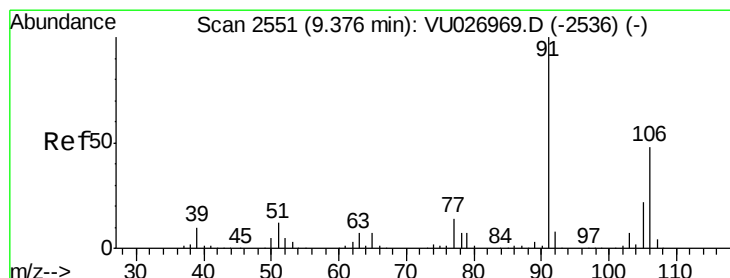
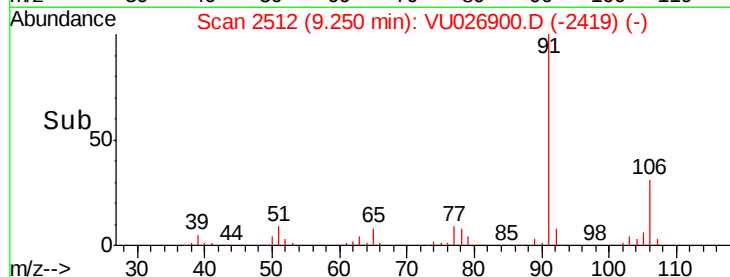
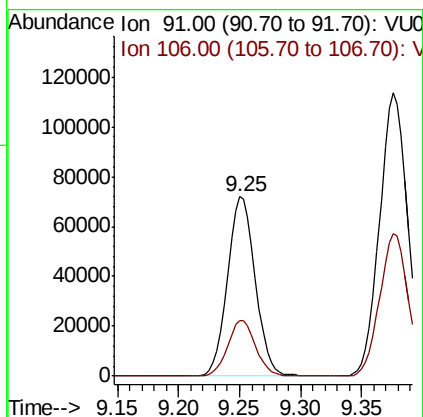
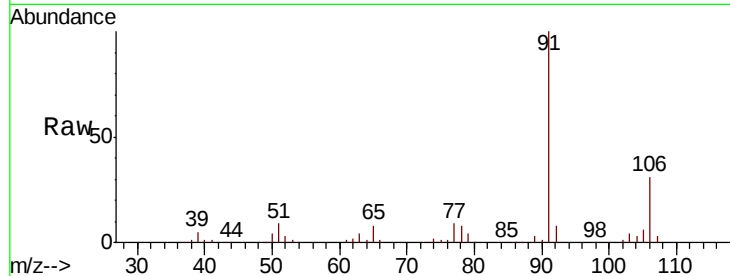




#67
Ethyl Benzene
Concen: 19.664 ug/l
RT: 9.25 min Scan# 2512
Delta R.T. 0.00 min
Lab File: VU026900.D
Acq: 19 Sep 2018 16:32

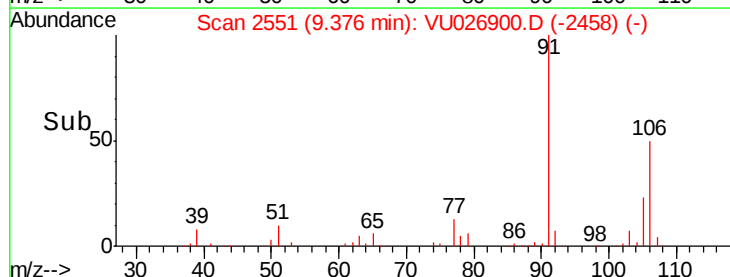
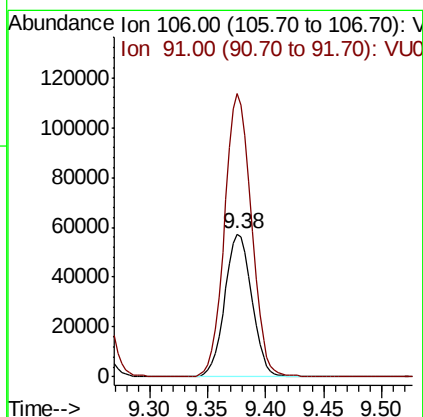
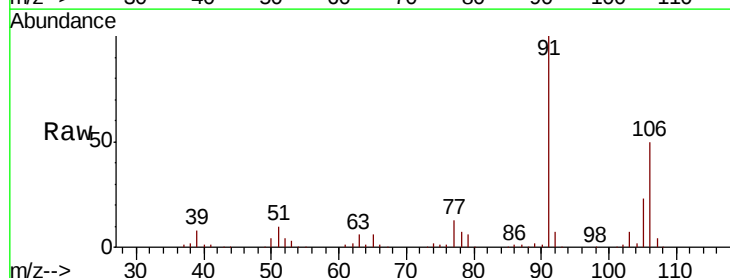
Instrument :
MSVOA_U
ClientSampleId :
VU0920WBS01

Tot Ion: 91 Resp: 114632
Ion Ratio Lower Upper
91 100
106 31.4 25.0 37.4



#68
m/p-Xylenes
Concen: 41.889 ug/l
RT: 9.38 min Scan# 2551
Delta R.T. -0.00 min
Lab File: VU026900.D
Acq: 19 Sep 2018 16:32

Tgt Ion: 106 Resp: 92890
Ion Ratio Lower Upper
106 100
91 196.1 162.1 243.1

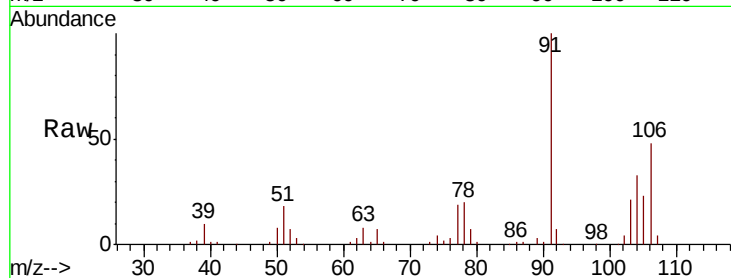




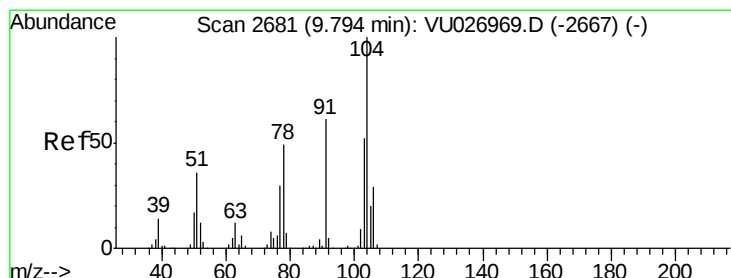
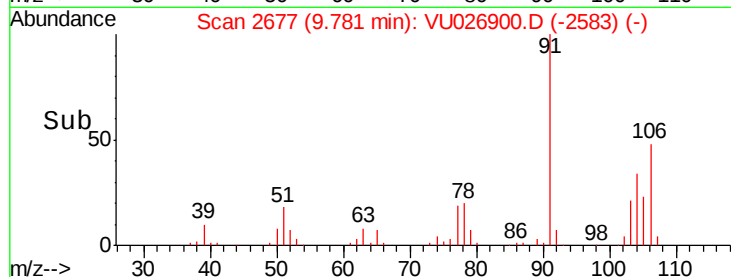
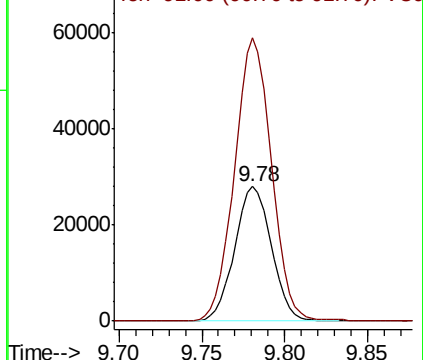
#69
o-Xylene
Concen: 19.065 ug/l
RT: 9.78 min Scan# 2677
Delta R.T. 0.00 min
Lab File: VU026900.D
Acq: 19 Sep 2018 16:32

Instrument :
MSVOA_U
ClientSampleId :
VU0920WBS01

Tot Ion:106 Resp: 43316
Ion Ratio Lower Upper
106 100
91 211.4 106.9 320.8

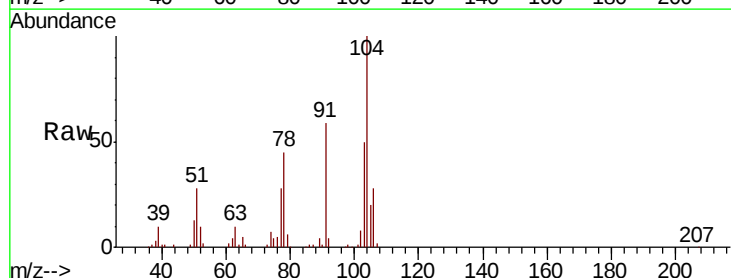


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VU0

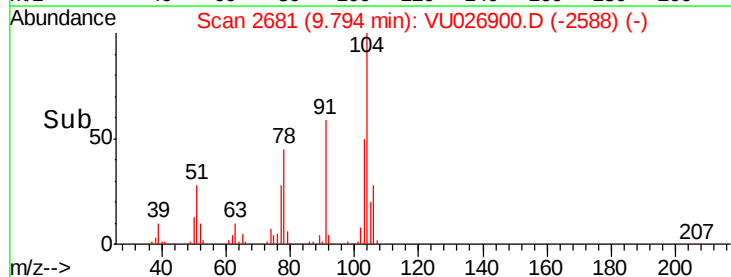
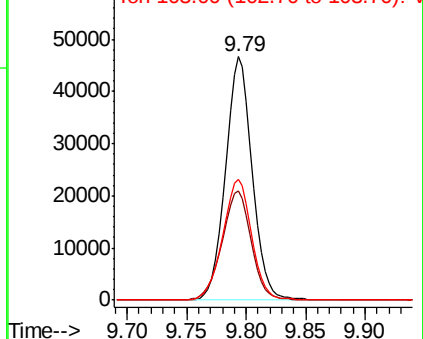


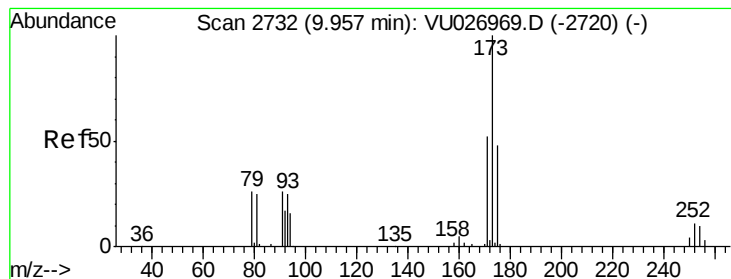
#70
Styrene
Concen: 19.338 ug/l
RT: 9.79 min Scan# 2681
Delta R.T. 0.00 min
Lab File: VU026900.D
Acq: 19 Sep 2018 16:32

Tgt Ion:104 Resp: 72455
Ion Ratio Lower Upper
104 100
78 49.0 39.4 59.2
103 53.9 44.5 66.7



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: 19.560 ug/l

RT: 9.96 min Scan# 2733

Delta R.T. 0.00 min

Lab File: VU026900.D

Acq: 19 Sep 2018 16:32

Instrument :

MSVOA_U

ClientSampleId :

VU0920WBS01

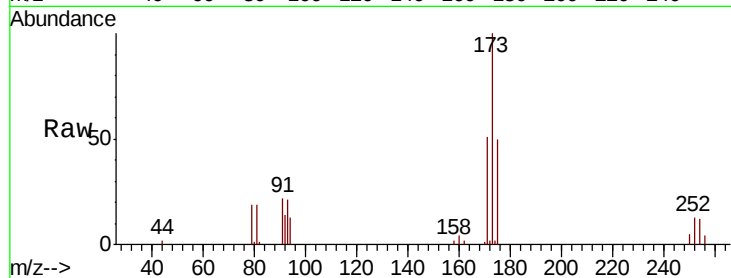
Tot Ion:173 Resp: 22150

Ion Ratio Lower Upper

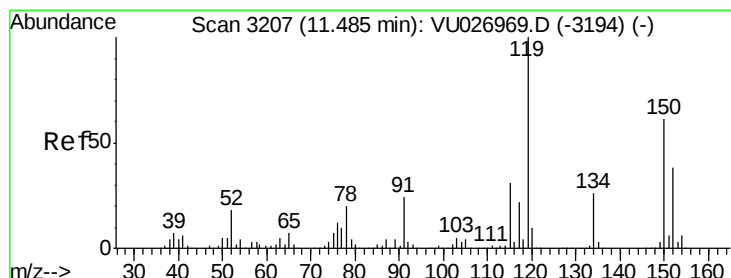
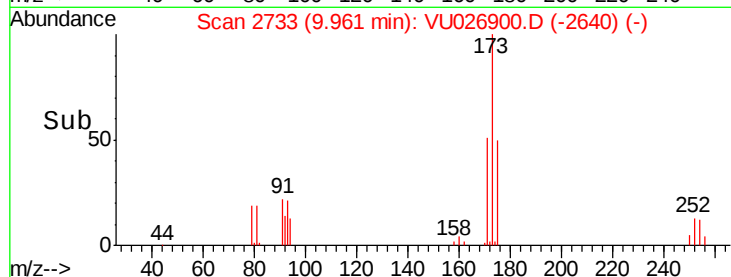
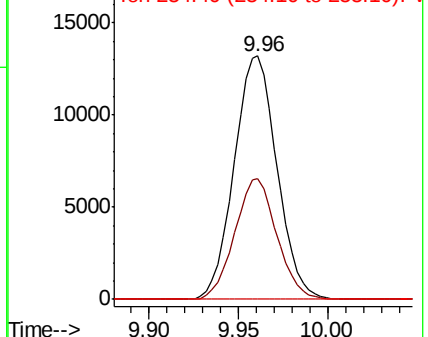
173 100

175 48.4 24.7 74.1

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: VU026900.D

Acq: 19 Sep 2018 16:32

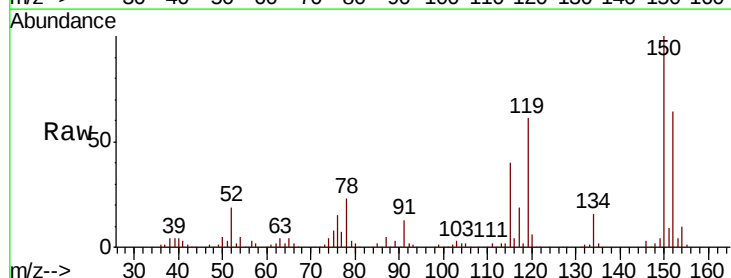
Tgt Ion:152 Resp: 86748

Ion Ratio Lower Upper

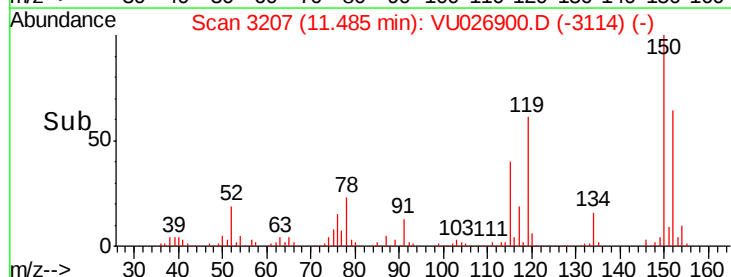
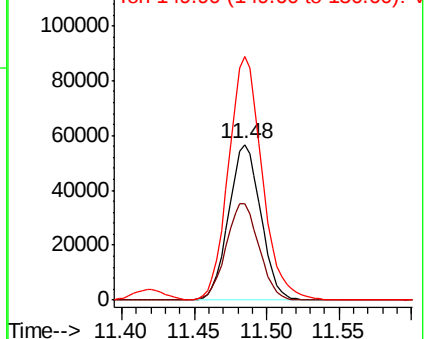
152 100

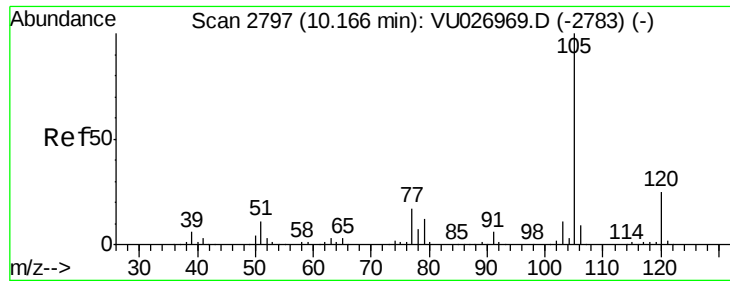
115 63.9 40.4 121.1

150 164.3 0.0 345.2



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





#73

Isopropylbenzene

Concen: 19.974 ug/l

RT: 10.17 min Scan# 2797

Delta R.T. -0.00 min

Lab File: VU026900.D

Acq: 19 Sep 2018 16:32

Instrument :

MSVOA_U

ClientSampleId :

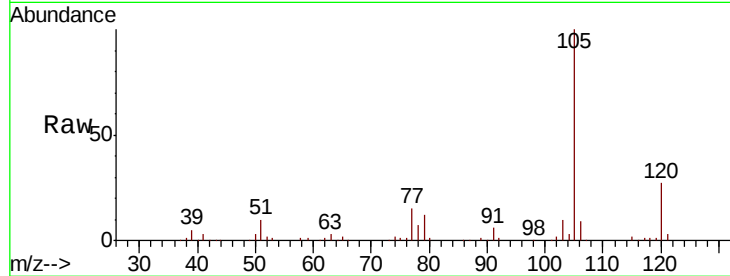
VU0920WBS01

Tot Ion:105 Resp: 118071

Ion Ratio Lower Upper

105 100

120 26.6 13.3 39.9



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

10.17

80000

60000

40000

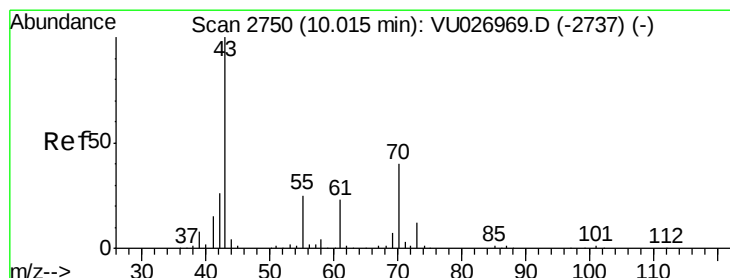
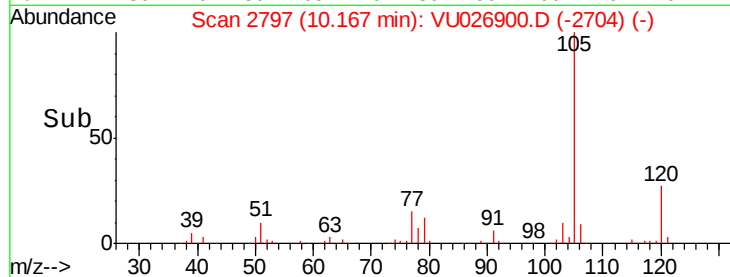
20000

0

10.10

10.20

Time-->



#74

N-ethyl acetate

Concen: 16.933 ug/l

RT: 10.02 min Scan# 2750

Delta R.T. 0.00 min

Lab File: VU026900.D

Acq: 19 Sep 2018 16:32

Tgt Ion: 43 Resp: 47258

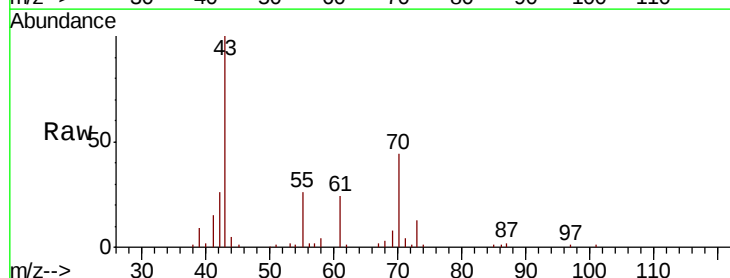
Ion Ratio Lower Upper

43 100

70 43.7 32.6 48.8

55 26.3 19.1 28.7

61 23.9 19.4 29.0



Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 70.00 (69.70 to 70.70): VU0

Ion 55.00 (54.70 to 55.70): VU0

Ion 61.00 (60.70 to 61.70): VU0

10.02

40000

30000

20000

10000

0

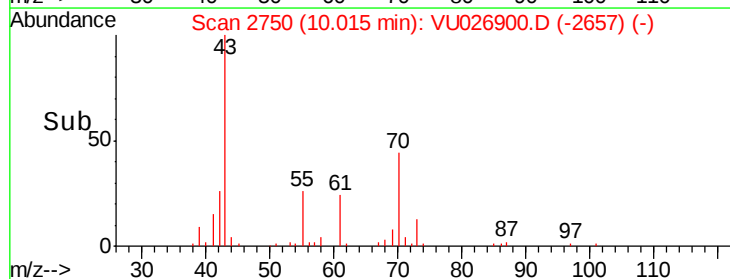
9.95

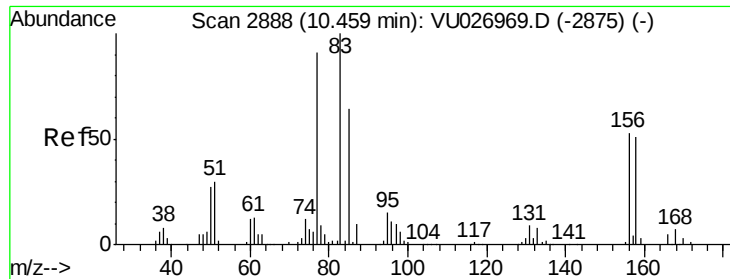
10.00

10.05

10.10

Time-->





#75

1,1,2,2-Tetrachloroethane

Concen: 18.063 ug/l

RT: 10.46 min Scan# 2888

Delta R.T. 0.00 min

Lab File: VU026900.D

Acq: 19 Sep 2018 16:32

Instrument :

MSVOA_U

ClientSampleId :

VU0920WBS01

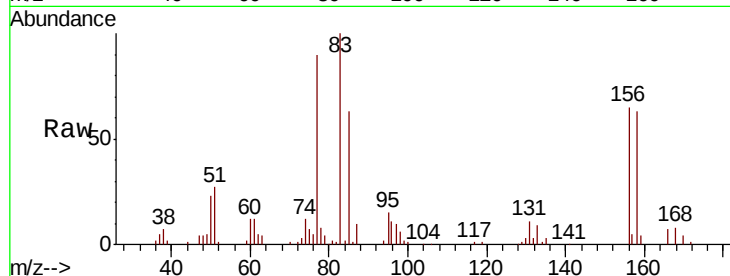
Tot Ion: 83 Resp: 43516

Ion Ratio Lower Upper

83 100

131 10.1 4.9 14.6

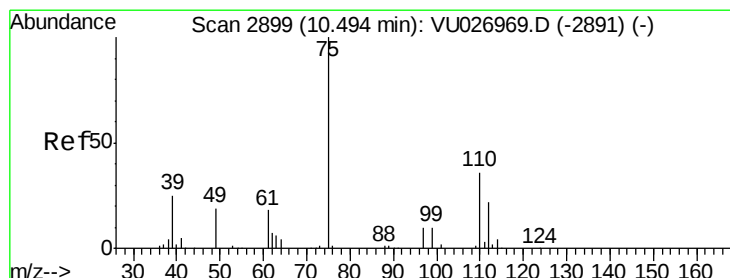
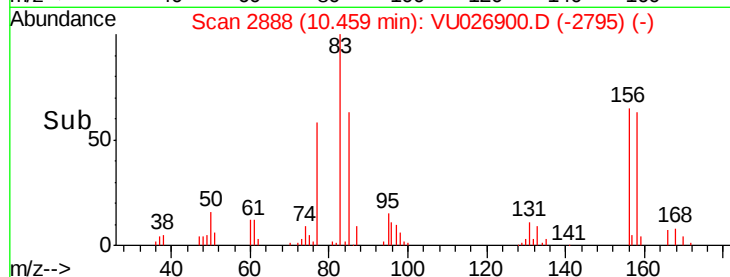
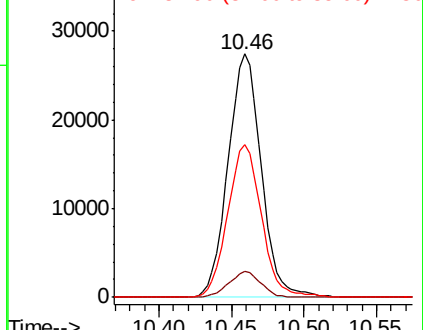
85 63.7 32.3 96.9



Abundance Ion 82.90 (82.60 to 83.60): VU0

Ion 130.80 (130.50 to 131.50): VU0

Ion 84.90 (84.60 to 85.60): VU0



#76

1,2,3-Trichloropropane

Concen: 24.452 ug/l

RT: 10.49 min Scan# 2899

Delta R.T. 0.00 min

Lab File: VU026900.D

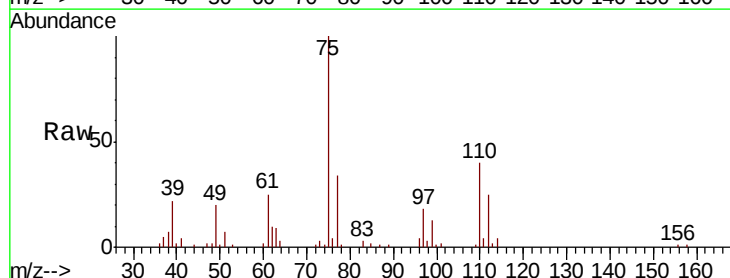
Acq: 19 Sep 2018 16:32

Tgt Ion: 75 Resp: 47516

Ion Ratio Lower Upper

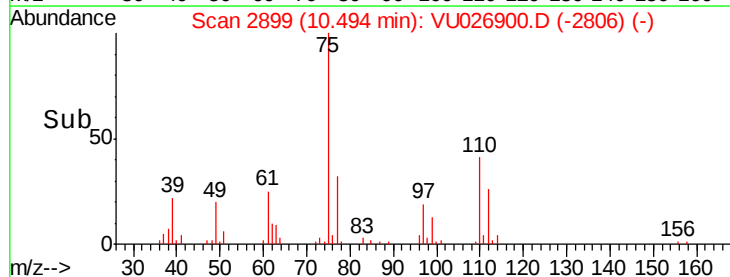
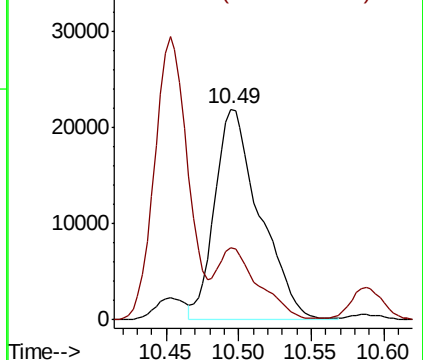
75 100

77 30.3 21.1 63.1



Abundance Ion 74.90 (74.60 to 75.60): VU0

Ion 77.00 (76.70 to 77.70): VU0





#77

Bromobenzene

Concen: 20.034 ug/l

RT: 10.45 min Scan# 2886

Delta R.T. -0.00 min

Lab File: VU026900.D

Acq: 19 Sep 2018 16:32

Instrument :

MSVOA_U

ClientSampleId :

VU0920WBS01

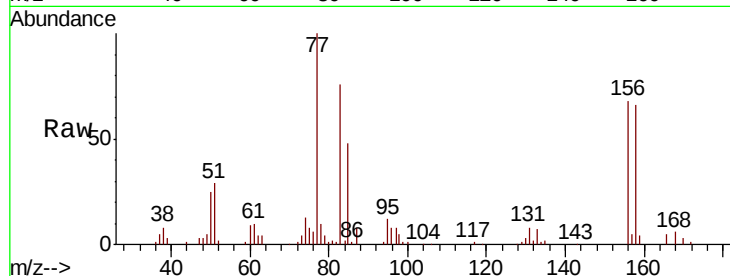
Tot Ion:156 Resp: 32187

Ion Ratio Lower Upper

156 100

77 146.1 77.6 232.9

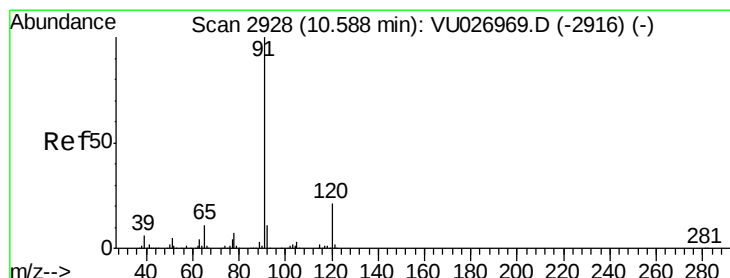
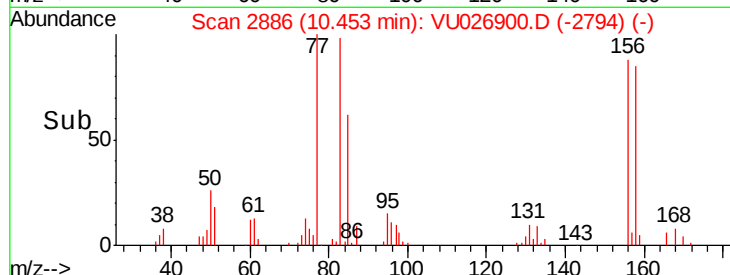
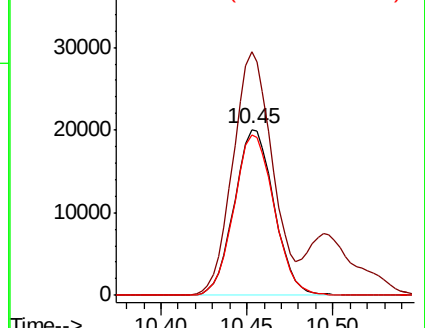
158 97.6 48.9 146.6



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VU0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 19.749 ug/l

RT: 10.59 min Scan# 2928

Delta R.T. 0.00 min

Lab File: VU026900.D

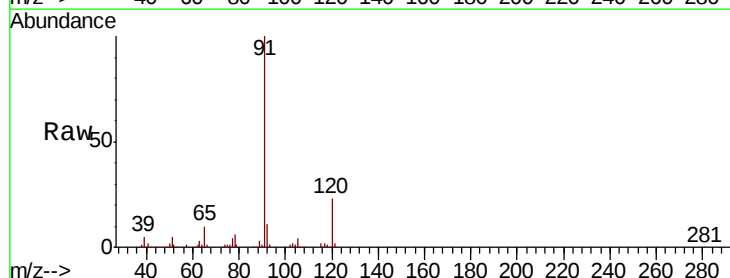
Acq: 19 Sep 2018 16:32

Tgt Ion: 91 Resp: 135783

Ion Ratio Lower Upper

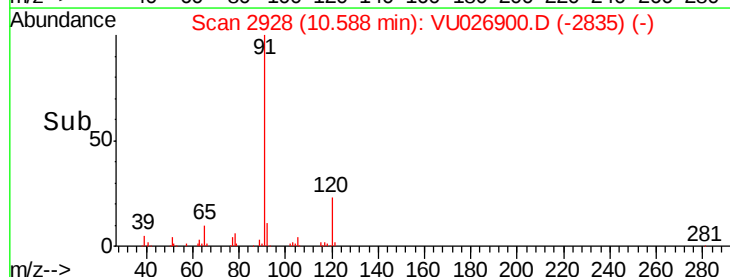
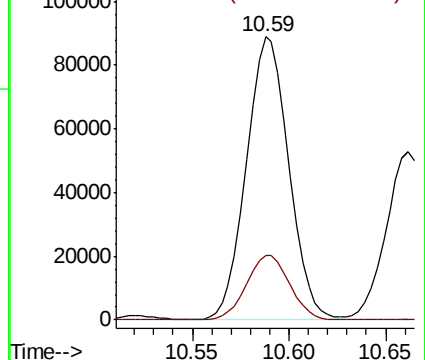
91 100

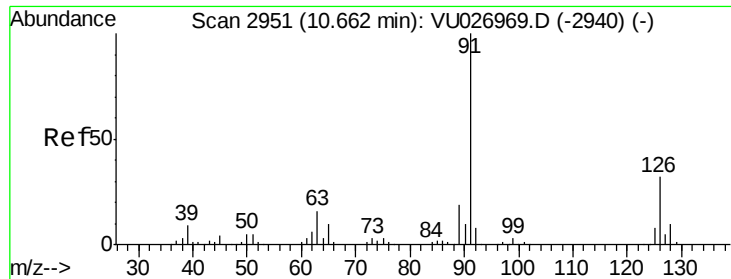
120 23.1 11.4 34.1



Abundance Ion 91.00 (90.70 to 91.70): VU0

Ion 120.00 (119.70 to 120.70): V

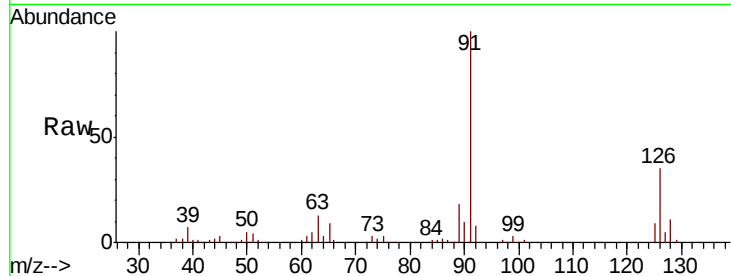




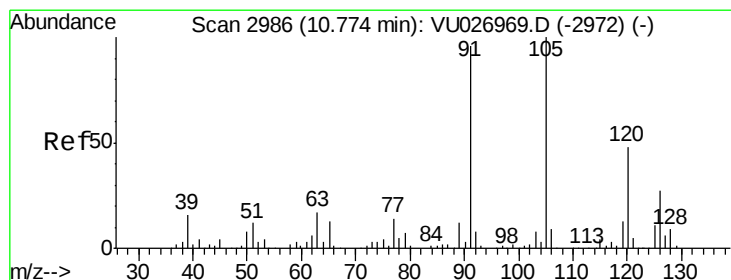
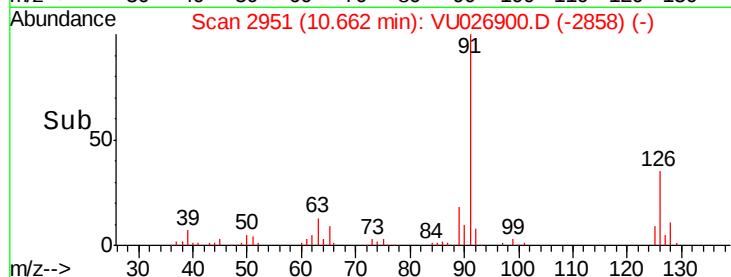
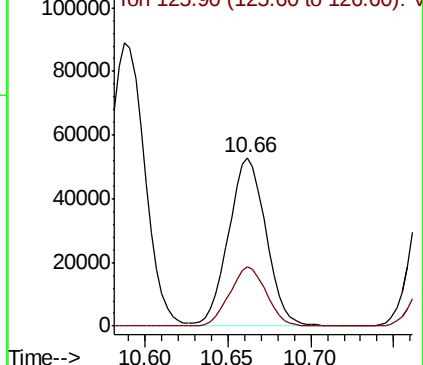
#79
 2-Chlorotoluene
 Concen: 19.410 ug/l
 RT: 10.66 min Scan# 2951
 Delta R.T. 0.00 min
 Lab File: VU026900.D
 Acq: 19 Sep 2018 16:32

Instrument :
 MSVOA_U
 ClientSampleId :
 VU0920WBS01

Tot Ion: 91 Resp: 82724
 Ion Ratio Lower Upper
 91 100
 126 34.5 17.3 51.7

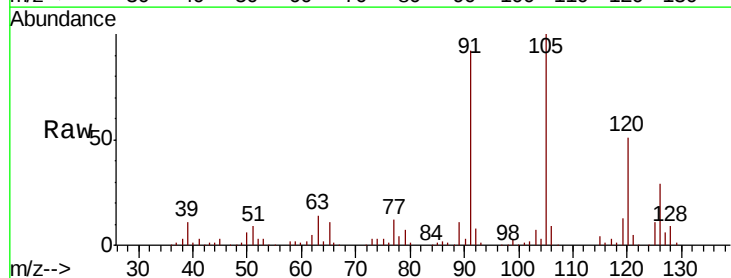


Abundance Ion 91.00 (90.70 to 91.70): VU026969.D (-2940) (-)
 Ion 125.90 (125.60 to 126.60): VU026969.D (-2940) (-)

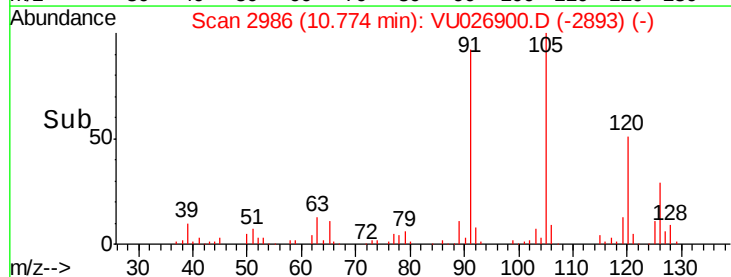
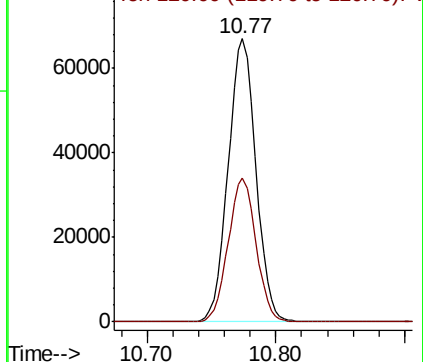


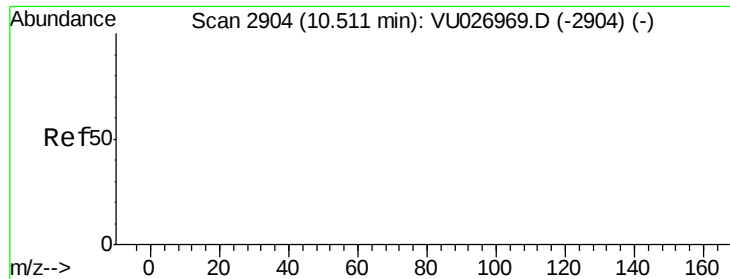
#80
 1,3,5-Trimethylbenzene
 Concen: 20.118 ug/l
 RT: 10.77 min Scan# 2986
 Delta R.T. 0.00 min
 Lab File: VU026900.D
 Acq: 19 Sep 2018 16:32

Tgt Ion: 105 Resp: 99964
 Ion Ratio Lower Upper
 105 100
 120 50.9 24.6 74.0



Abundance Ion 105.00 (104.70 to 105.70): VU026969.D (-2972) (-)
 Ion 120.00 (119.70 to 120.70): VU026969.D (-2972) (-)

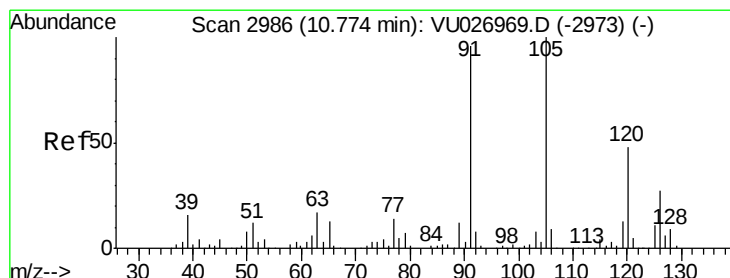
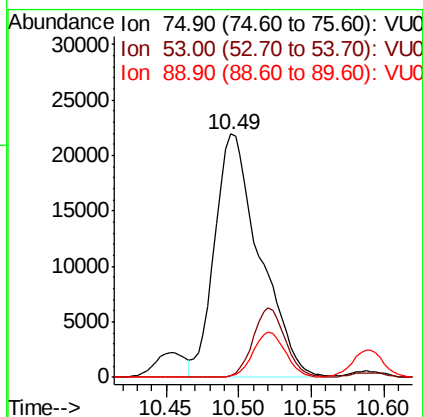
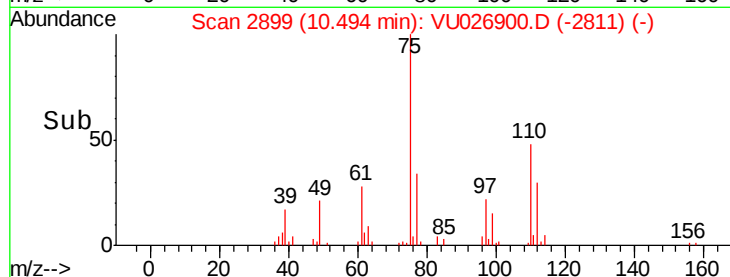
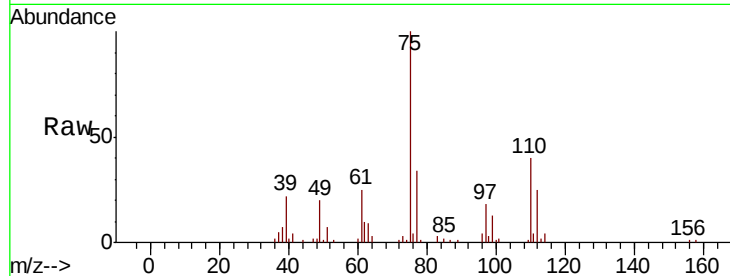




#81
trans-1,4-Dichloro-2-butene
Concen: 72.287 ug/l
RT: 10.49 min Scan# 2899
Delta R.T. -0.02 min
Lab File: VU026900.D
Acq: 19 Sep 2018 16:32

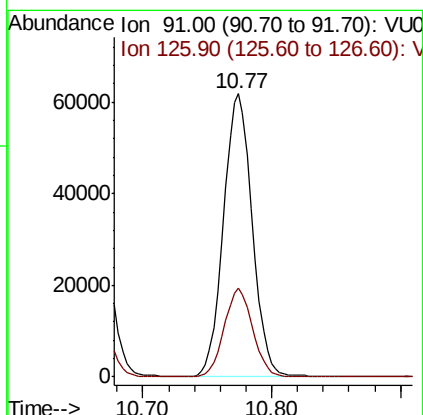
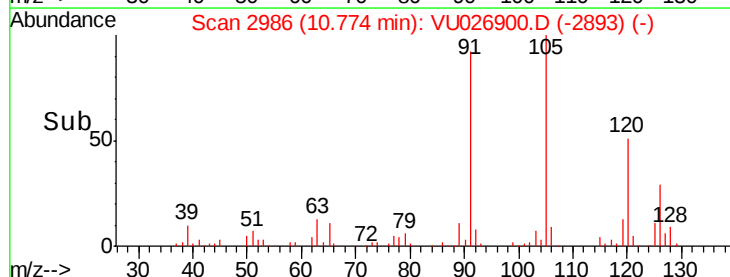
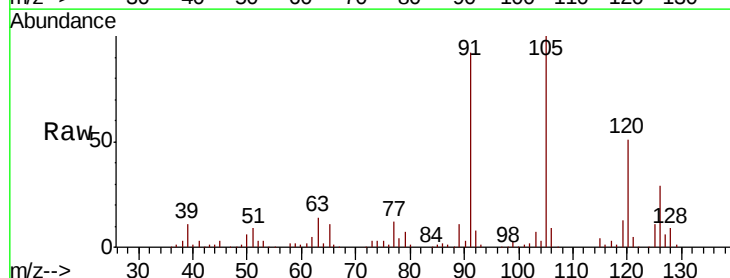
Instrument :
MSVOA_U
ClientSampleId :
VU0920WBS01

Tot Ion: 75 Resp: 47516
Ion Ratio Lower Upper
75 100
53 0.0 0.0 0.0
89 0.0 0.0 0.0



#82
4-Chlorotoluene
Concen: 19.926 ug/l
RT: 10.77 min Scan# 2986
Delta R.T. 0.00 min
Lab File: VU026900.D
Acq: 19 Sep 2018 16:32

Tgt Ion: 91 Resp: 95416
Ion Ratio Lower Upper
91 100
126 30.9 15.2 45.5

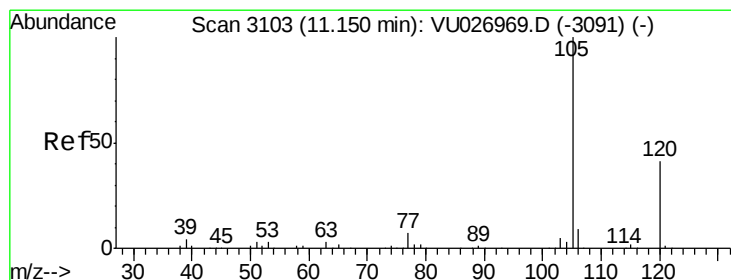
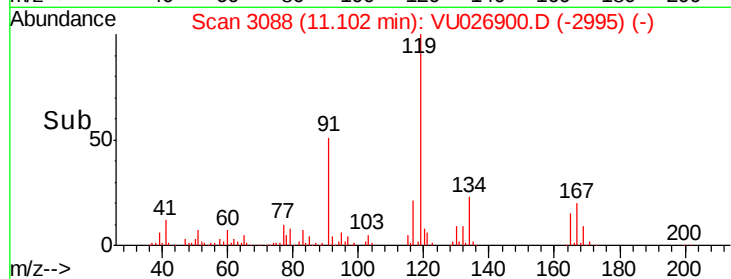
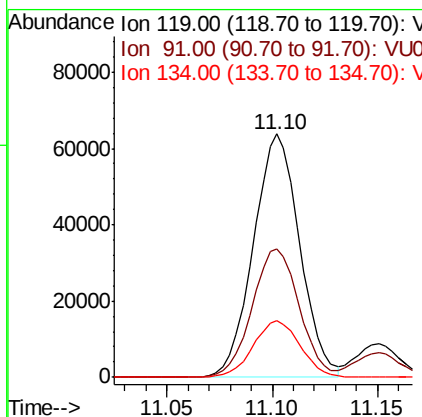
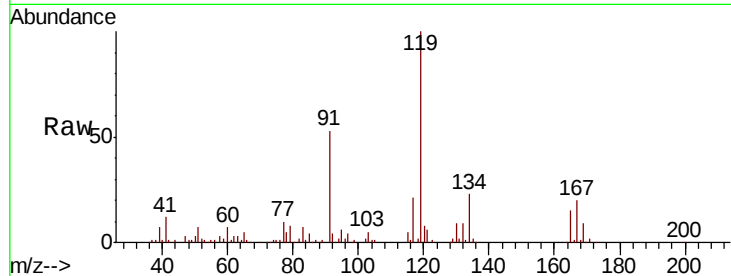




#83
 tert-Butylbenzene
 Concen: 19.350 ug/l
 RT: 11.10 min Scan# 3088
 Delta R.T. 0.00 min
 Lab File: VU026900.D
 Acq: 19 Sep 2018 16:32

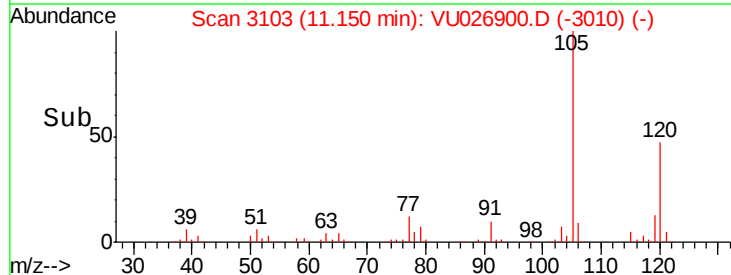
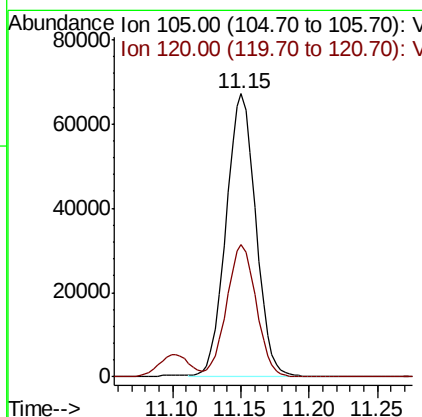
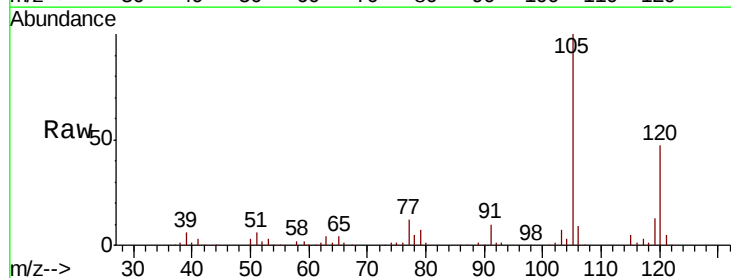
Instrument :
 MSVOA_U
 ClientSampleId :
 VU0920WBS01

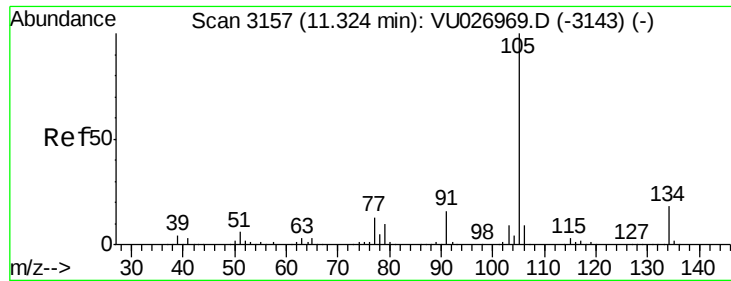
Tot Ion:119 Resp: 97571
 Ion Ratio Lower Upper
 119 100
 91 53.8 28.3 85.0
 134 23.6 11.2 33.5



#84
 1,2,4-Trimethylbenzene
 Concen: 20.318 ug/l
 RT: 11.15 min Scan# 3103
 Delta R.T. -0.00 min
 Lab File: VU026900.D
 Acq: 19 Sep 2018 16:32

Tgt Ion:105 Resp: 101824
 Ion Ratio Lower Upper
 105 100
 120 46.7 23.3 69.8





#85

sec-Butylbenzene

Concen: 19.696 ug/l

RT: 11.32 min Scan# 3157

Delta R.T. -0.00 min

Lab File: VU026900.D

Acq: 19 Sep 2018 16:32

Instrument :

MSVOA_U

ClientSampleId :

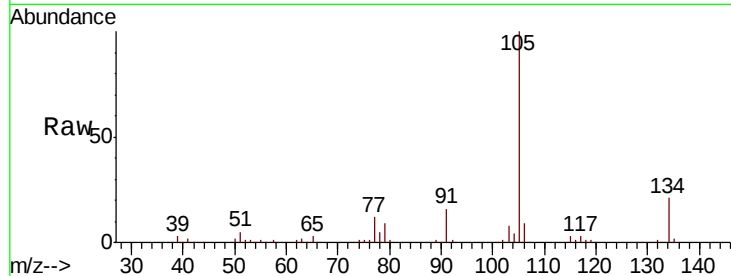
VU0920WBS01

Tot Ion:105 Resp: 117944

Ion Ratio Lower Upper

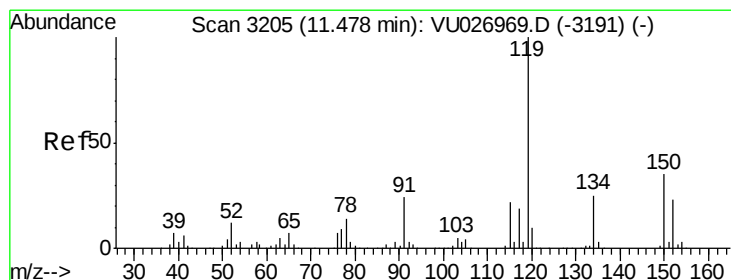
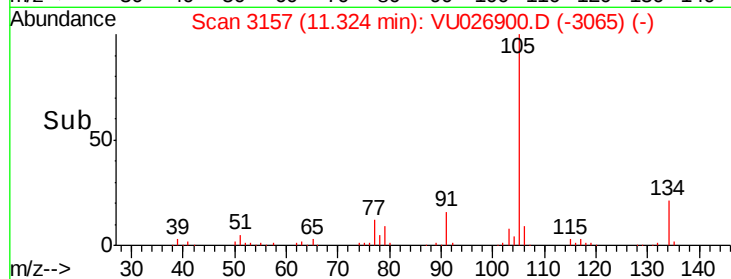
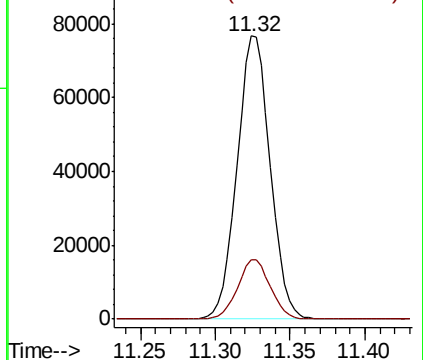
105 100

134 20.7 10.1 30.1



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 19.177 ug/l

RT: 11.48 min Scan# 3205

Delta R.T. 0.00 min

Lab File: VU026900.D

Acq: 19 Sep 2018 16:32

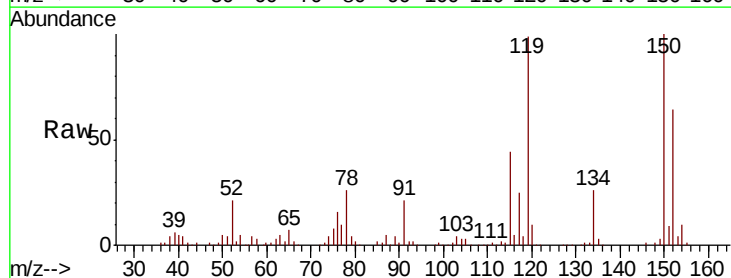
Tgt Ion:119 Resp: 106599

Ion Ratio Lower Upper

119 100

134 26.5 13.2 39.5

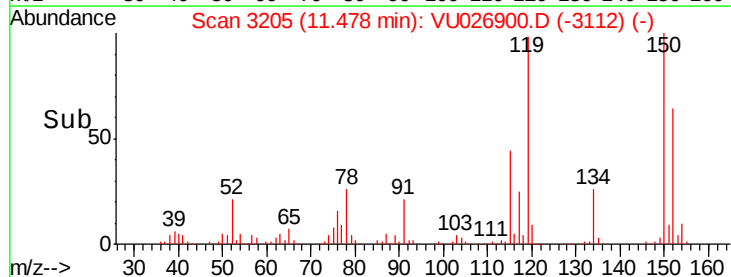
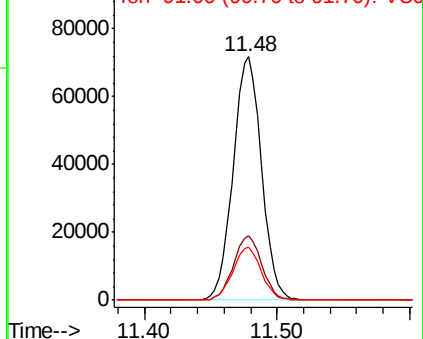
91 21.8 11.6 34.8



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): VU0

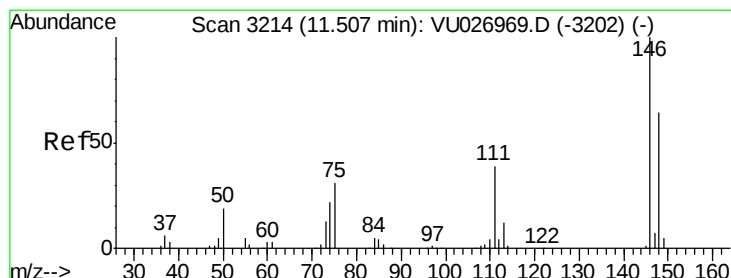
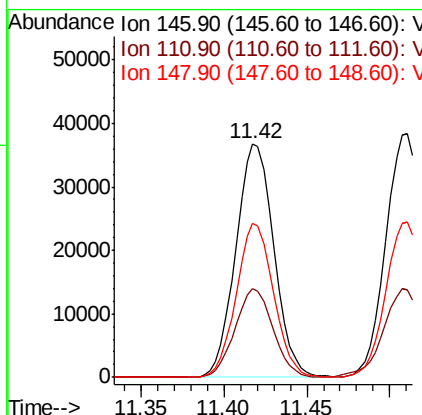
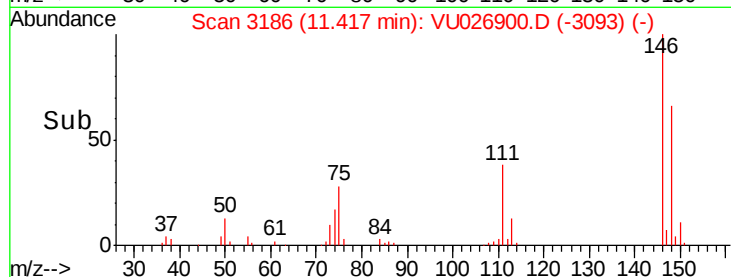
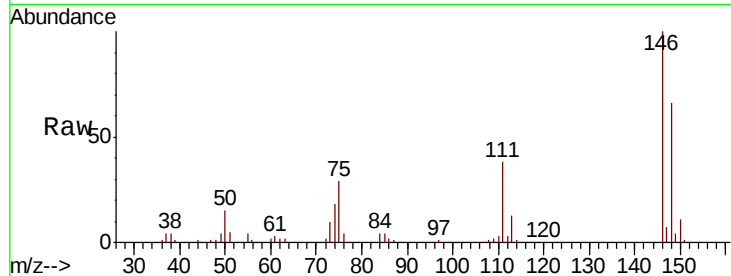




#87
 1,3-Dichlorobenzene
 Concen: 19.626 ug/l
 RT: 11.42 min Scan# 3186
 Delta R.T. -0.00 min
 Lab File: VU026900.D
 Acq: 19 Sep 2018 16:32

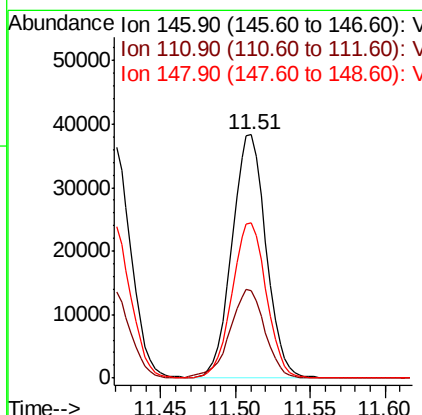
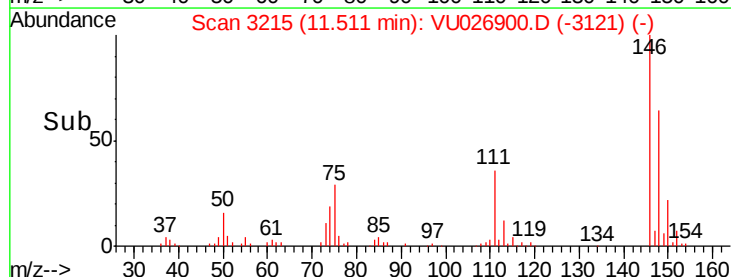
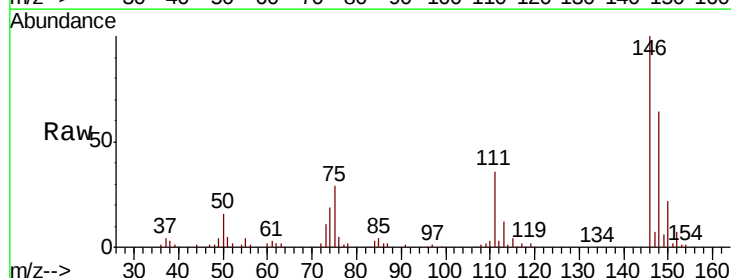
Instrument :
 MSVOA_U
 ClientSampleId :
 VU0920WBS01

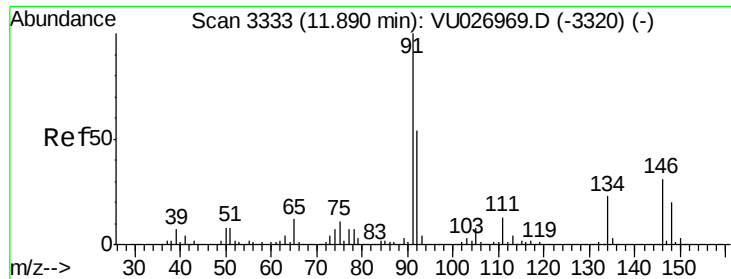
Tot Ion:146 Resp: 58824
 Ion Ratio Lower Upper
 146 100
 111 37.6 19.7 59.1
 148 64.3 32.1 96.3



#88
 1,4-Dichlorobenzene
 Concen: 19.540 ug/l
 RT: 11.51 min Scan# 3215
 Delta R.T. 0.00 min
 Lab File: VU026900.D
 Acq: 19 Sep 2018 16:32

Tgt Ion:146 Resp: 60824
 Ion Ratio Lower Upper
 146 100
 111 37.5 19.2 57.6
 148 64.2 32.1 96.3

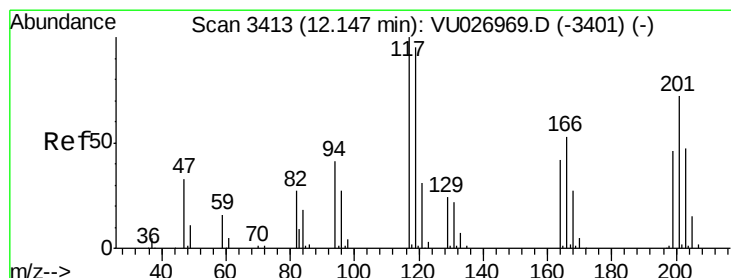
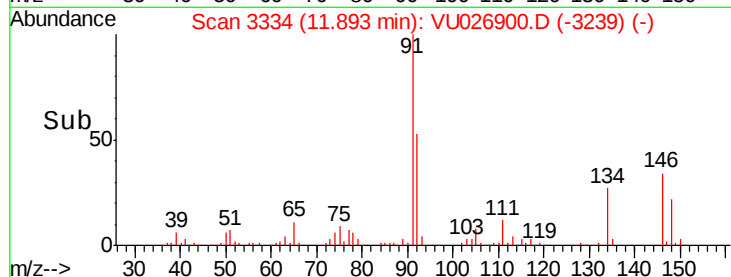
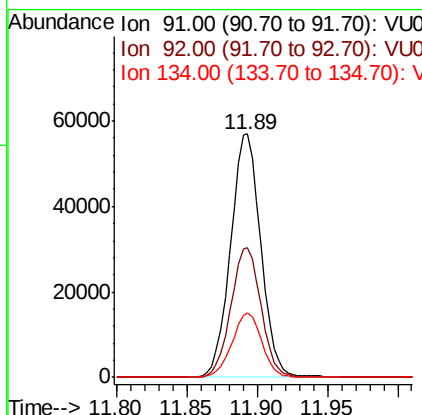
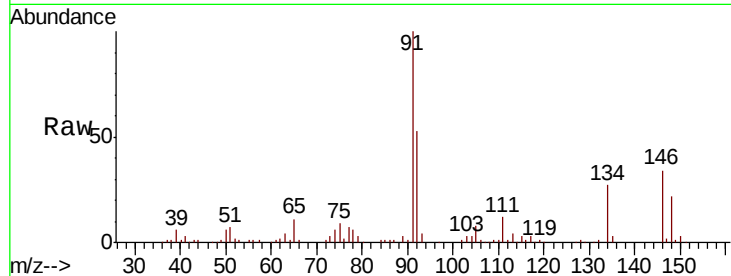




#89
n-Butylbenzene
Concen: 17.626 ug/l
RT: 11.89 min Scan# 3334
Delta R.T. 0.00 min
Lab File: VU026900.D
Acq: 19 Sep 2018 16:32

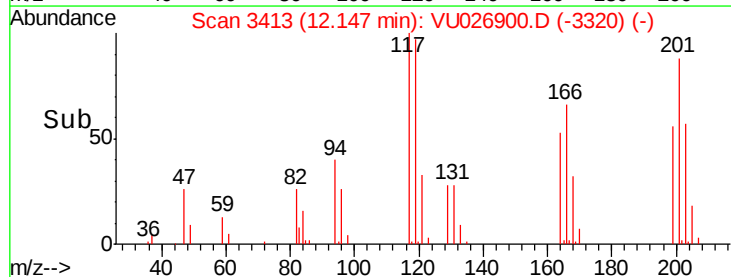
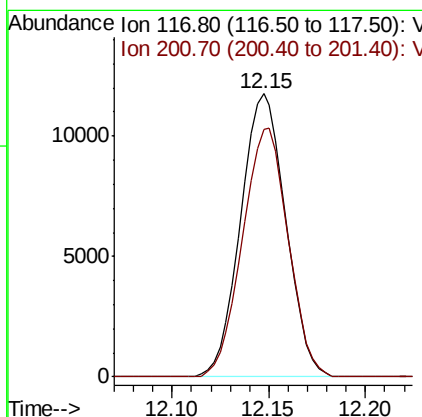
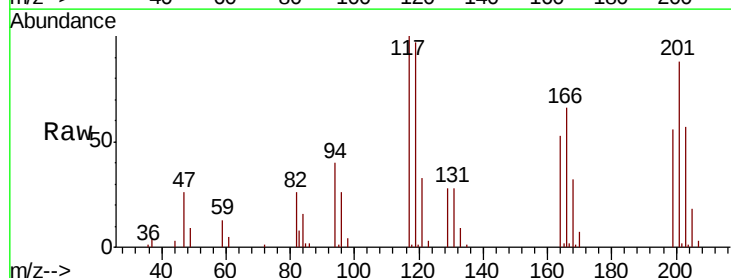
Instrument :
MSVOA_U
ClientSampleId :
VU0920WBS01

Tot Ion: 91 Resp: 85565
Ion Ratio Lower Upper
91 100
92 53.1 25.8 77.3
134 26.1 12.6 37.8



#90
Hexachloroethane
Concen: 18.068 ug/l
RT: 12.15 min Scan# 3413
Delta R.T. 0.00 min
Lab File: VU026900.D
Acq: 19 Sep 2018 16:32

Tgt Ion: 117 Resp: 19092
Ion Ratio Lower Upper
117 100
201 88.9 42.4 127.1

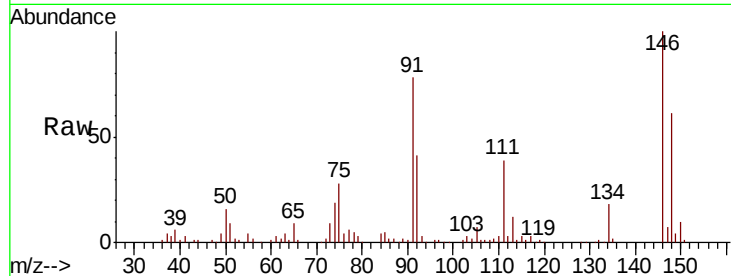




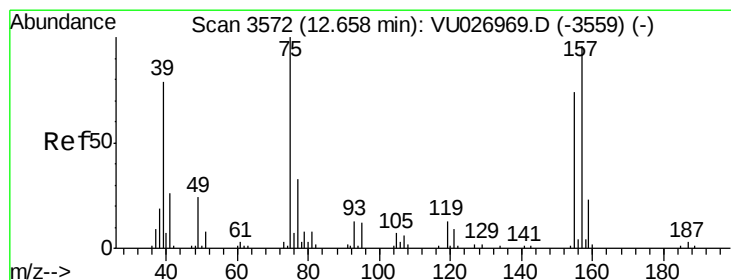
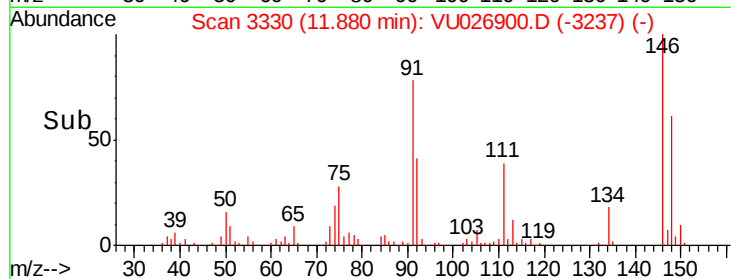
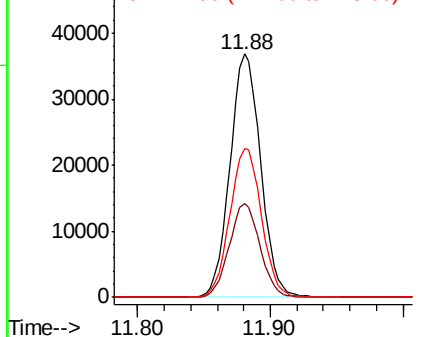
#91
 1,2-Dichlorobenzene
 Concen: 19.635 ug/l
 RT: 11.88 min Scan# 3330
 Delta R.T. 0.00 min
 Lab File: VU026900.D
 Acq: 19 Sep 2018 16:32

Instrument :
 MSVOA_U
 ClientSampleId :
 VU0920WBS01

Tot Ion:146 Resp: 59199
 Ion Ratio Lower Upper
 146 100
 111 38.6 20.3 60.8
 148 62.8 32.1 96.3

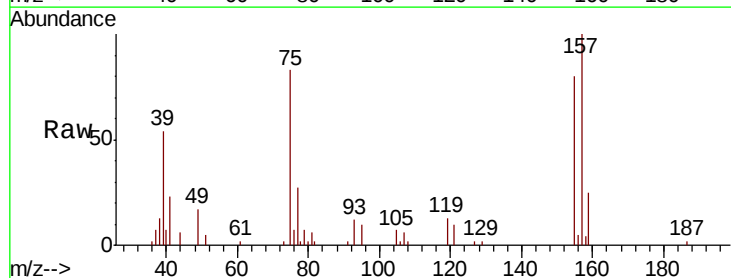


Abundance Ion 145.90 (145.60 to 146.60): V
 Ion 110.90 (110.60 to 111.60): V
 Ion 147.90 (147.60 to 148.60): V

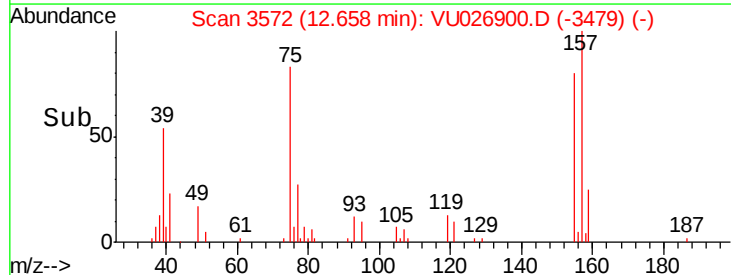
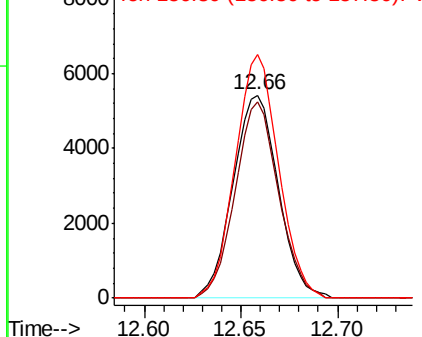


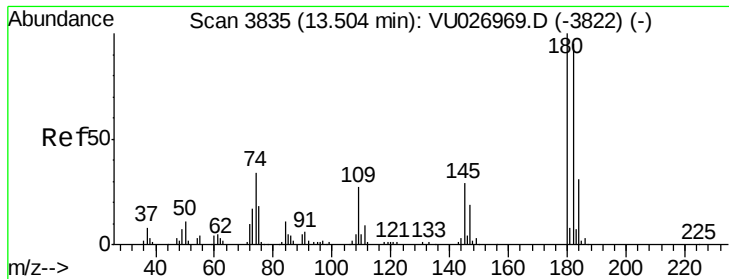
#92
 1,2-Dibromo-3-Chloropropane
 Concen: 18.296 ug/l
 RT: 12.66 min Scan# 3572
 Delta R.T. 0.00 min
 Lab File: VU026900.D
 Acq: 19 Sep 2018 16:32

Tgt Ion: 75 Resp: 8837
 Ion Ratio Lower Upper
 75 100
 155 92.8 44.1 132.4
 157 114.7 57.2 171.6



Abundance Ion 74.90 (74.60 to 75.60): VU0
 Ion 154.80 (154.50 to 155.50): V
 Ion 156.80 (156.50 to 157.50): V





#93

1,2,4-Trichlorobenzene

Concen: 19.530 ug/l

RT: 13.50 min Scan# 3835

Delta R.T. -0.00 min

Lab File: VU026900.D

Acq: 19 Sep 2018 16:32

Instrument :

MSVOA_U

ClientSampleId :

VU0920WBS01

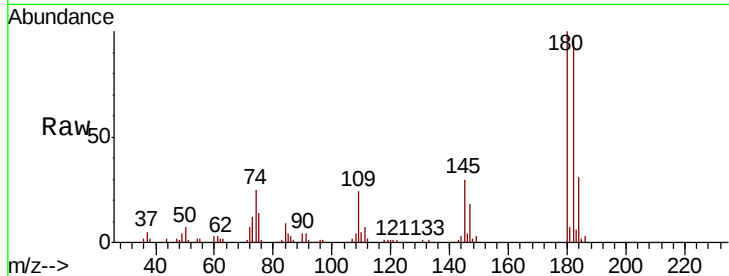
Tot Ion:180 Resp: 39104

Ion Ratio Lower Upper

180 100

182 97.7 47.9 143.7

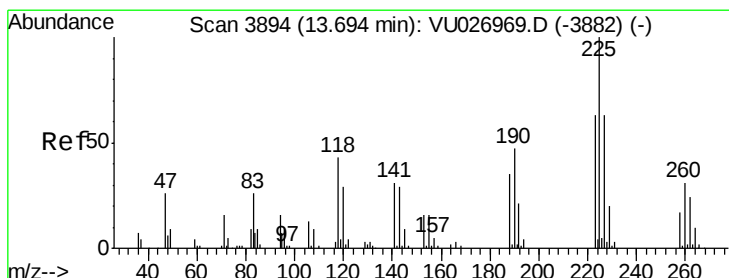
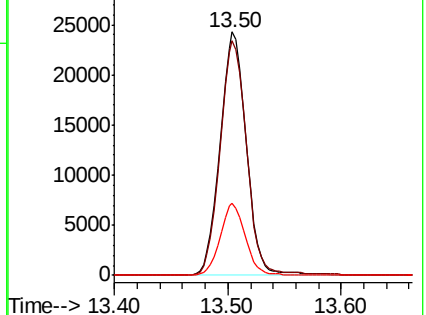
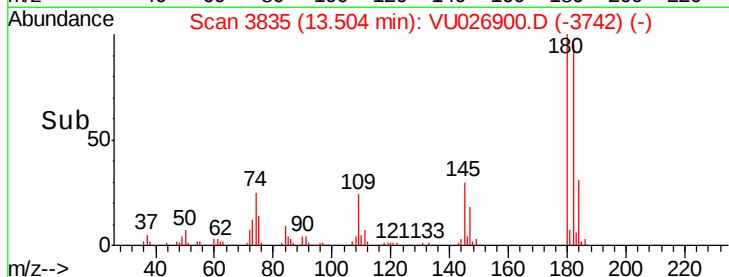
145 28.1 14.0 42.0



Abundance Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.80 (144.50 to 145.50): V



#94

Hexachlorobutadiene

Concen: 20.955 ug/l

RT: 13.69 min Scan# 3894

Delta R.T. 0.00 min

Lab File: VU026900.D

Acq: 19 Sep 2018 16:32

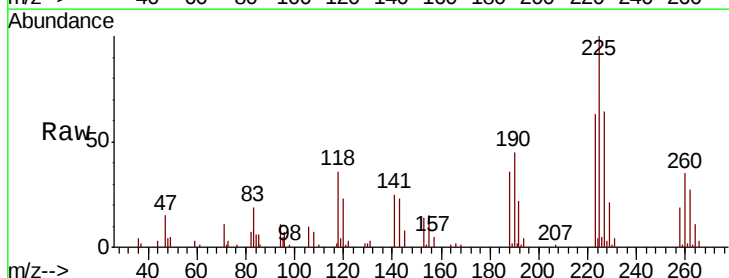
Tgt Ion:225 Resp: 21584

Ion Ratio Lower Upper

225 100

223 62.6 30.6 92.0

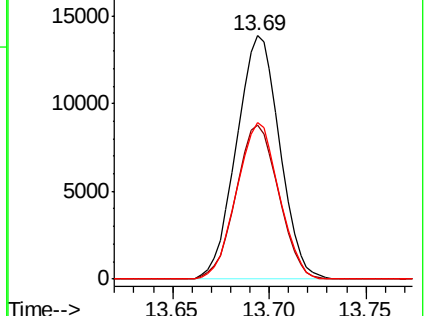
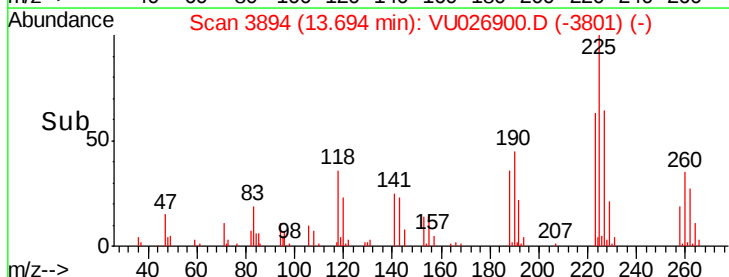
227 63.1 32.1 96.3

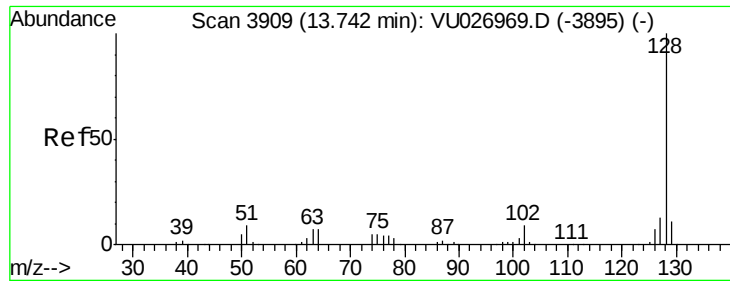


Abundance Ion 224.70 (224.40 to 225.40): V

Ion 222.70 (222.40 to 223.40): V

Ion 226.70 (226.40 to 227.40): V





#95

Naphthalene

Concen: 17.521 ug/l

RT: 13.75 min Scan# 3910

Delta R.T. 0.00 min

Lab File: VU026900.D

Acq: 19 Sep 2018 16:32

Instrument :

MSVOA_U

ClientSampleId :

VU0920WBS01

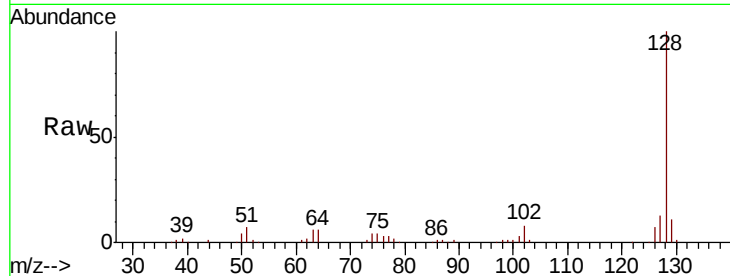
Tot Ion:128 Resp: 113477

Ion Ratio Lower Upper

128 100

127 12.6 10.4 15.6

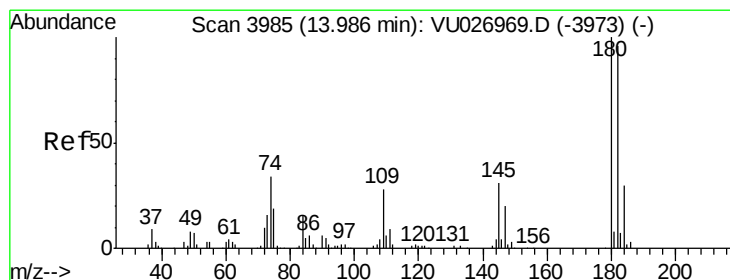
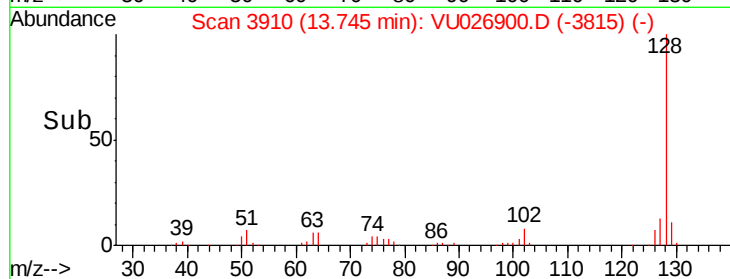
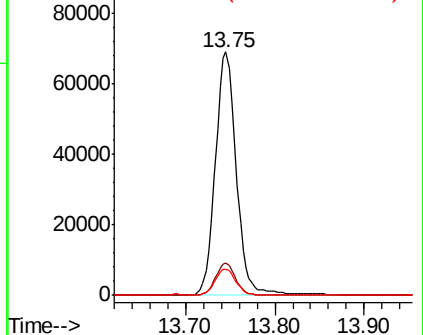
129 11.0 8.6 12.8



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#96

1,2,3-Trichlorobenzene

Concen: 19.860 ug/l

RT: 13.99 min Scan# 3986

Delta R.T. 0.00 min

Lab File: VU026900.D

Acq: 19 Sep 2018 16:32

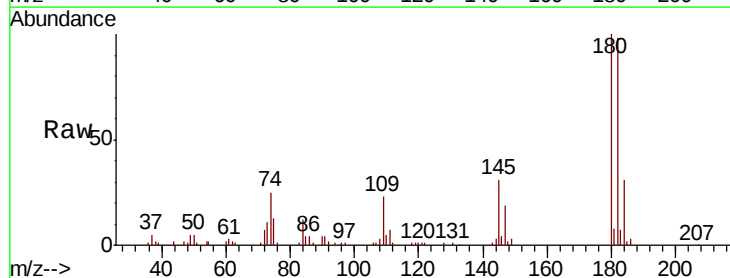
Tgt Ion:180 Resp: 41529

Ion Ratio Lower Upper

180 100

182 96.8 47.9 143.7

145 29.8 14.9 44.9



Abundance Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.90 (144.60 to 145.60): V

