

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU092218\
 Data File : VU026974.D
 Acq On : 21 Sep 2018 18:09
 Operator : MD/SY
 Sample : VU0922WBS01
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VU0922WBS01

Quant Time: Sep 22 01:43:52 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\82U092218W.M
 Quant Title : SW846 8260
 QLast Update : Sat Sep 22 01:31:57 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.99	168	94024	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.89	114	157387	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.09	117	151149	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.48	152	80303	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.31	65	87899	46.45	ug/l	0.00
Spiked Amount	50.000		Recovery	=	92.90%	
35) Dibromofluoromethane	4.88	113	64368	47.18	ug/l	0.00
Spiked Amount	50.000		Recovery	=	94.36%	
50) Toluene-d8	7.57	98	249868	48.06	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.12%	
62) 4-Bromofluorobenzene	10.31	95	86227	48.33	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.66%	

Target Compounds					Qvalue
2) Dichlorodifluoromethane	1.21	85	22468	18.302	ug/l 99
3) Chloromethane	1.33	50	37218	17.584	ug/l 99
4) Vinyl Chloride	1.40	62	35090	17.761	ug/l 100
5) Bromomethane	1.62	94	21106	18.760	ug/l 96
6) Chloroethane	1.70	64	23739	18.806	ug/l 99
7) Trichlorofluoromethane	1.89	101	41815	18.635	ug/l 98
8) Diethyl Ether	2.11	74	20267	18.765	ug/l 99
9) 1,1,2-Trichlorotrifluoroet	2.29	101	25633	18.579	ug/l 97
10) Methyl Iodide	2.41	142	29781	17.404	ug/l 97
11) Tert butyl alcohol	2.83	59	41347	95.325	ug/l 97
12) 1,1-Dichloroethene	2.29	96	24145	18.593	ug/l 99
13) Acrolein	2.20	56	21747	93.008	ug/l 99
14) Allyl chloride	2.59	41	50694	19.247	ug/l 99
15) Acrylonitrile	2.94	53	101359	92.717	ug/l 98
16) Acetone	2.32	43	104880	93.982	ug/l 99
17) Carbon Disulfide	2.48	76	77555	18.333	ug/l 100
18) Methyl Acetate	2.62	43	49488	18.373	ug/l 98
19) Methyl tert-butyl Ether	3.00	73	92004	19.280	ug/l 100
20) Methylene Chloride	2.70	84	30011	17.708	ug/l 97
21) trans-1,2-Dichloroethene	2.98	96	26473	19.094	ug/l 97
22) Diisopropyl ether	3.57	45	111229	19.744	ug/l 99
23) Vinyl Acetate	3.53	43	467407	97.331	ug/l 99
24) 1,1-Dichloroethane	3.45	63	58677	18.911	ug/l 99
25) 2-Butanone	4.26	43	146459	92.093	ug/l 99
26) 2,2-Dichloropropane	4.23	77	46504	19.218	ug/l 99
27) cis-1,2-Dichloroethene	4.23	96	29728	18.986	ug/l 98
28) Bromochloromethane	4.55	49	27923	18.669	ug/l 98
29) Tetrahydrofuran	4.64	42	90876	94.461	ug/l 99
30) Chloroform	4.67	83	53371	18.531	ug/l 99
31) Cyclohexane	5.00	56	55078	19.173	ug/l # 92
32) 1,1,1-Trichloroethane	4.92	97	43838	19.064	ug/l 97
36) 1,1-Dichloropropene	5.14	75	39760	18.929	ug/l 100
37) Ethyl Acetate	4.38	43	50130	17.629	ug/l 97
38) Carbon Tetrachloride	5.14	117	36739	18.379	ug/l 95

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 Misc : 5.0mL/MSVOA_U/WATER
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Quant Time: Sep 22 01:43:52 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\82U092218W.M
 Quant Title : SW846 8260
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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	6.42	83	45408	19.893	ug/l	98
40) Benzene	5.39	78	119044	18.643	ug/l	97
41) Methacrylonitrile	4.54	41	28736	19.459	ug/l	99
42) 1,2-Dichloroethane	5.40	62	45401	18.819	ug/l	99
43) Isopropyl Acetate	5.55	43	78973	19.044	ug/l	100
44) Trichloroethene	6.19	130	25575	18.813	ug/l	98
45) 1,2-Dichloropropane	6.43	63	35257	19.378	ug/l	100
46) Dibromomethane	6.56	93	20773	18.904	ug/l	99
47) Bromodichloromethane	6.76	83	40920	18.416	ug/l	95
48) Methyl methacrylate	6.62	41	38757	17.836	ug/l	99
49) 1,4-Dioxane	6.62	88	17092	380.233	ug/l	99
51) 4-Methyl-2-Pentanone	7.46	43	264940	94.992	ug/l	100
52) Toluene	7.64	92	69457	18.976	ug/l	93
53) t-1,3-Dichloropropene	7.88	75	46792	19.601	ug/l	98
54) cis-1,3-Dichloropropene	7.27	75	49491	18.855	ug/l	100
55) 1,1,2-Trichloroethane	8.07	97	29688	19.142	ug/l	98
56) Ethyl methacrylate	8.02	69	44598	18.040	ug/l	98
57) 1,3-Dichloropropane	8.24	76	56066	19.437	ug/l	98
58) 2-Chloroethyl Vinyl ether	7.13	63	133434	90.535	ug/l	100
59) 2-Hexanone	8.36	43	201505	92.297	ug/l	100
60) Dibromochloromethane	8.48	129	28291	18.597	ug/l	100
61) 1,2-Dibromoethane	8.59	107	30354	18.811	ug/l	99
64) Tetrachloroethene	8.23	164	22066	18.946	ug/l	99
65) Chlorobenzene	9.12	112	74696	18.638	ug/l	100
66) 1,1,1,2-Tetrachloroethane	9.21	131	26731	19.365	ug/l	98
67) Ethyl Benzene	9.25	91	128869	19.554	ug/l	99
68) m/p-Xylenes	9.38	106	99006	38.039	ug/l	97
69) o-Xylene	9.78	106	46623	19.967	ug/l	99
70) Styrene	9.79	104	75477	18.495	ug/l	100
71) Bromoform	9.96	173	19581	18.343	ug/l #	99
73) Isopropylbenzene	10.17	105	126001	20.627	ug/l	100
74) N-amyl acetate	10.02	43	67647	19.131	ug/l	100
75) 1,1,2,2-Tetrachloroethane	10.46	83	50390	17.942	ug/l	99
76) 1,2,3-Trichloropropane	10.49	75	59113	24.231	ug/l	84
77) Bromobenzene	10.45	156	29109	19.500	ug/l	98
78) n-propylbenzene	10.59	91	149185	20.640	ug/l	99
79) 2-Chlorotoluene	10.66	91	91123	20.071	ug/l	100
80) 1,3,5-Trimethylbenzene	10.77	105	105090	20.841	ug/l	100
81) trans-1,4-Dichloro-2-buten	10.49	75	59113	77.543	ug/l #	100
82) 4-Chlorotoluene	10.77	91	102420	20.119	ug/l	99
83) tert-Butylbenzene	11.10	119	99512	19.961	ug/l	100
84) 1,2,4-Trimethylbenzene	11.15	105	107610	20.970	ug/l	98
85) sec-Butylbenzene	11.32	105	123961	20.370	ug/l	99
86) p-Isopropyltoluene	11.48	119	107223	19.356	ug/l	99
87) 1,3-Dichlorobenzene	11.42	146	53727	19.341	ug/l	99
88) 1,4-Dichlorobenzene	11.51	146	54583	18.029	ug/l	98
89) n-Butylbenzene	11.89	91	93463	18.469	ug/l	99
90) Hexachloroethane	12.15	117	20543	18.563	ug/l	99
91) 1,2-Dichlorobenzene	11.88	146	53238	18.042	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	12.66	75	10367	18.094	ug/l	98

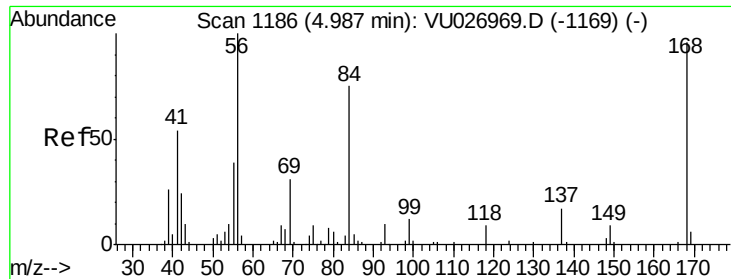
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_U\DATA\VU092218\
Data File : VU026974.D
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Instrument :
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Quant Title : SW846 8260
QLast Update : Sat Sep 22 01:31:57 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.50	180	32736	19.252	ug/l	99
94) Hexachlorobutadiene	13.69	225	17259	19.183	ug/l	99
95) Naphthalene	13.75	128	110734	17.782	ug/l	100
96) 1,2,3-Trichlorobenzene	13.99	180	35703	19.579	ug/l	98

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 4.99 min Scan# 1186

Delta R.T. 0.00 min

Lab File: VU026974.D

Acq: 21 Sep 2018 18:09

Instrument :

MSVOA_U

ClientSampleId :

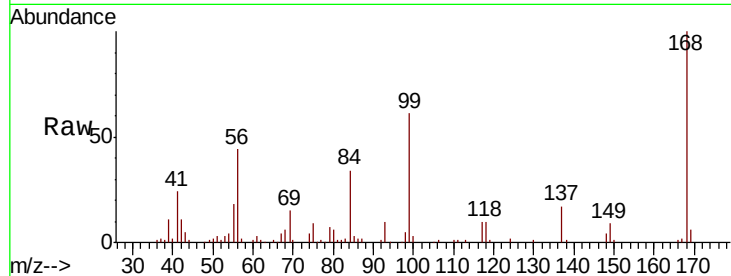
VU0922WBS01

Tgt Ion:168 Resp: 94024

Ion Ratio Lower Upper

168 100

99 60.0 48.1 72.1



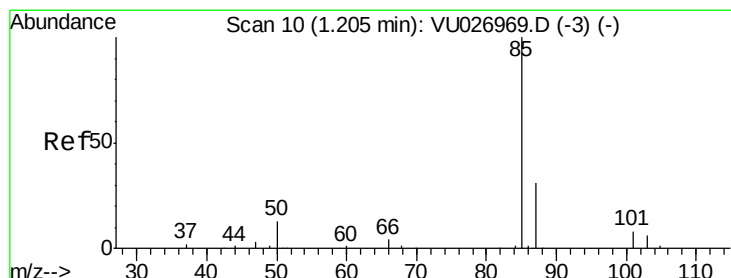
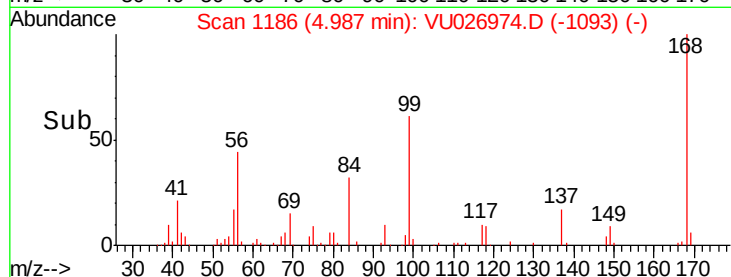
Abundance Ion 167.90 (167.60 to 168.60): VU026969.D (-1169) (-)

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

4.99

4.90 4.95 5.00 5.05

Time-->



#2

Dichlorodifluoromethane

Concen: 18.302 ug/l

RT: 1.21 min Scan# 10

Delta R.T. 0.00 min

Lab File: VU026974.D

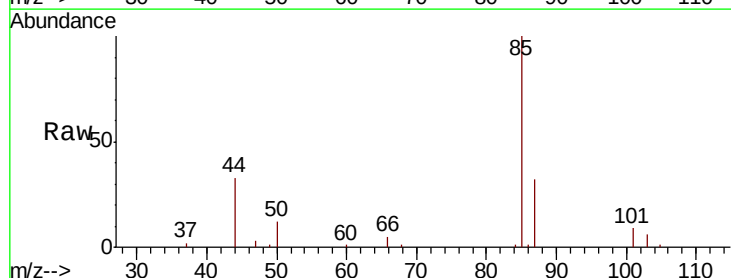
Acq: 21 Sep 2018 18:09

Tgt Ion: 85 Resp: 22468

Ion Ratio Lower Upper

85 100

87 31.7 15.6 46.7



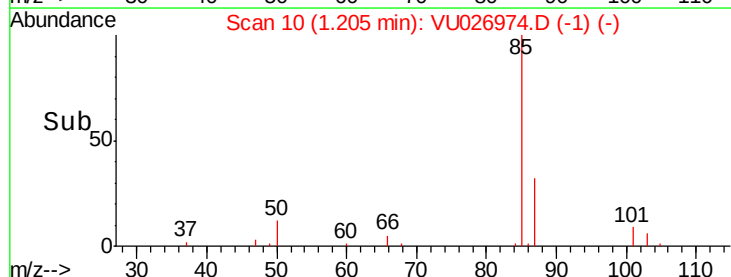
Abundance Ion 84.90 (84.60 to 85.60): VU026969.D (-3) (-)

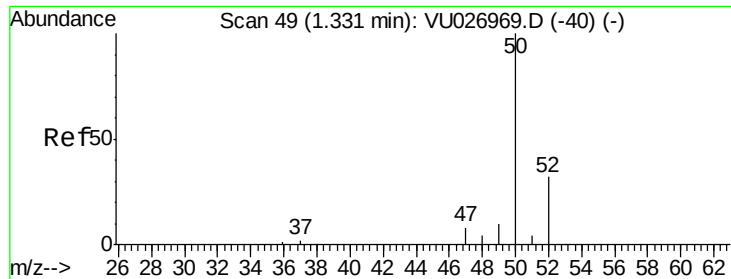
Ion 86.90 (86.60 to 87.60): VU026969.D (-3) (-)

1.21

1.15 1.20 1.25

Time-->





#3

Chloromethane

Concen: 17.584 ug/l

RT: 1.33 min Scan# 49

Delta R.T. -0.00 min

Lab File: VU026974.D

Acq: 21 Sep 2018 18:09

Instrument :

MSVOA_U

ClientSampleId :

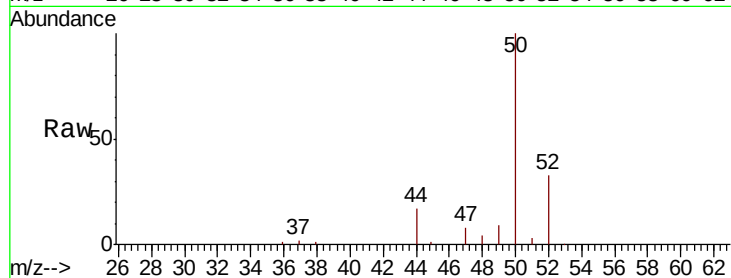
VU0922WBS01

Tgt Ion: 50 Resp: 37218

Ion Ratio Lower Upper

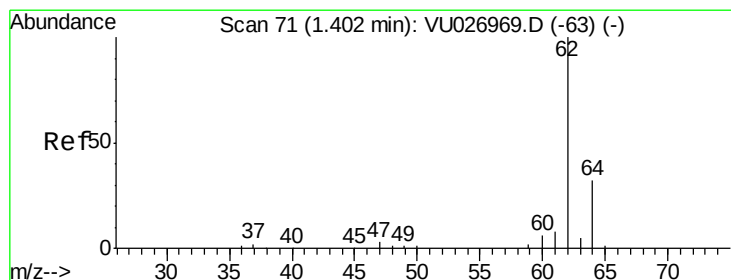
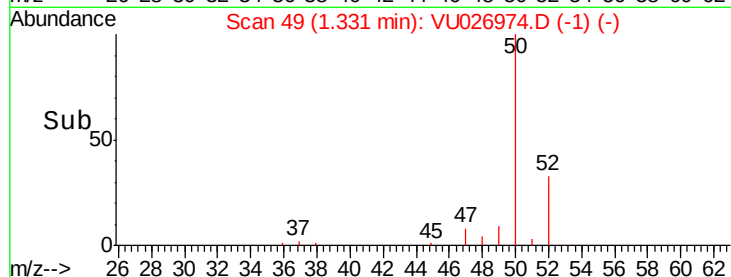
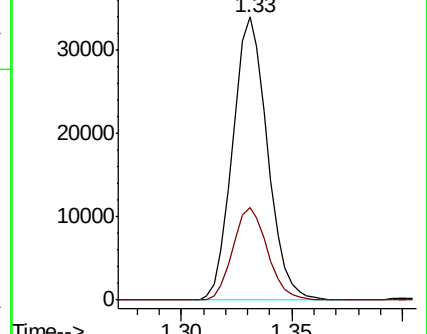
50 100

52 32.8 25.9 38.9



Abundance Ion 49.90 (49.60 to 50.60): VU0

Ion 51.90 (51.60 to 52.60): VU0



#4

Vinyl Chloride

Concen: 17.761 ug/l

RT: 1.40 min Scan# 71

Delta R.T. 0.00 min

Lab File: VU026974.D

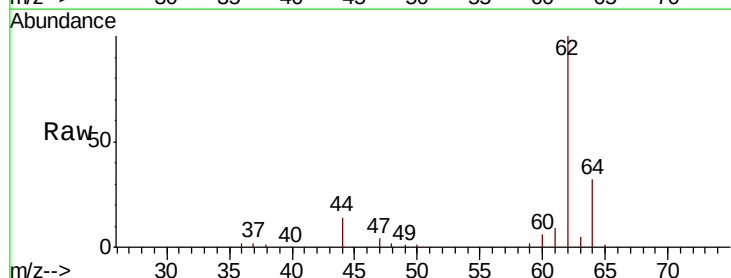
Acq: 21 Sep 2018 18:09

Tgt Ion: 62 Resp: 35090

Ion Ratio Lower Upper

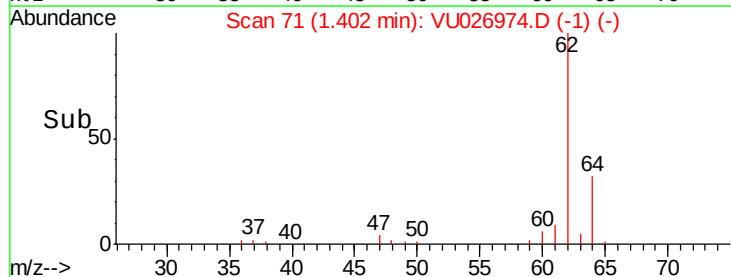
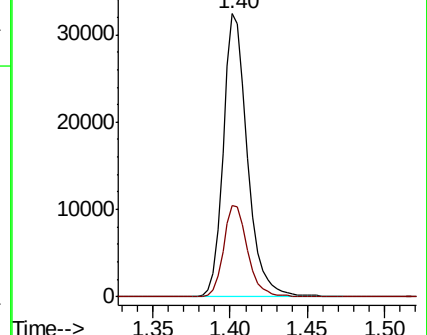
62 100

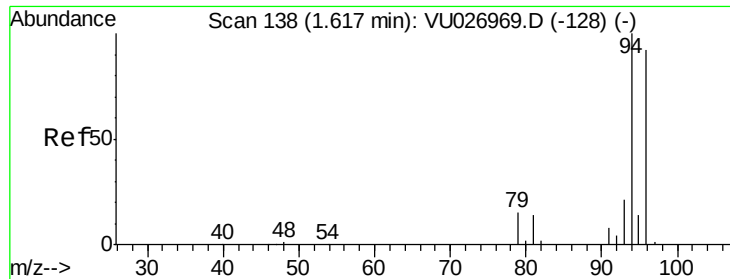
64 32.2 25.5 38.3



Abundance Ion 61.90 (61.60 to 62.60): VU0

Ion 63.90 (63.60 to 64.60): VU0

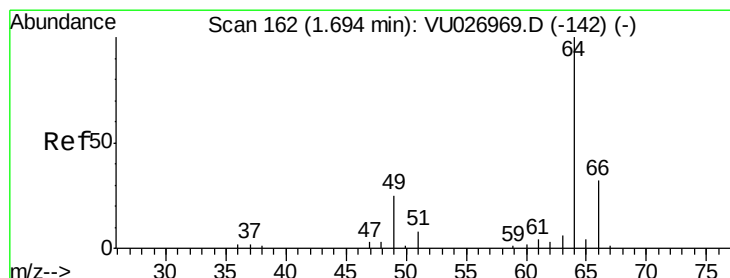
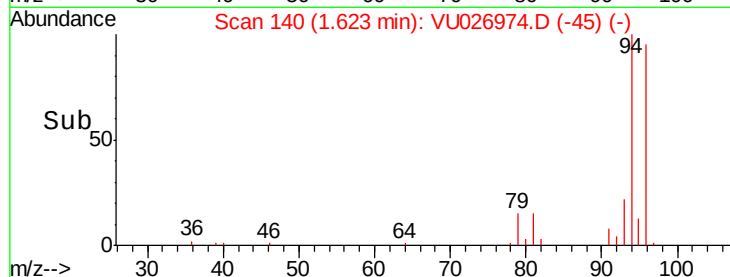
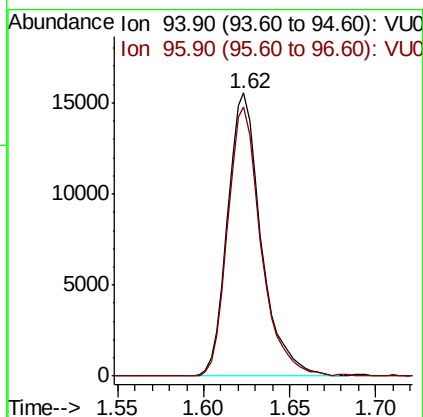
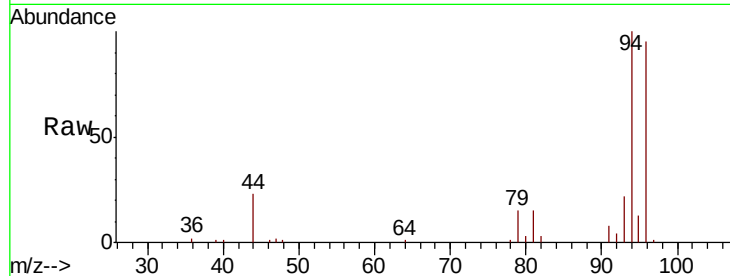




#5
Bromomethane
Concen: 18.760 ug/l
RT: 1.62 min Scan# 140
Delta R.T. 0.01 min
Lab File: VU026974.D
Acq: 21 Sep 2018 18:09

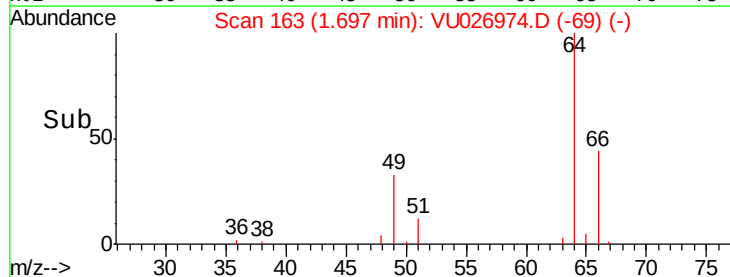
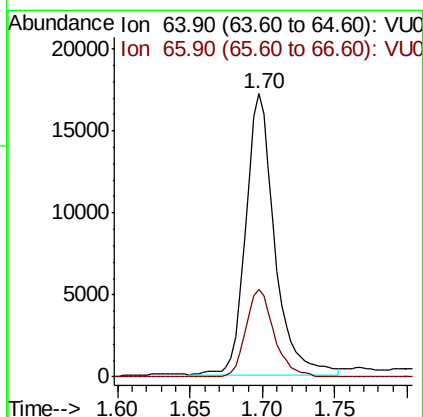
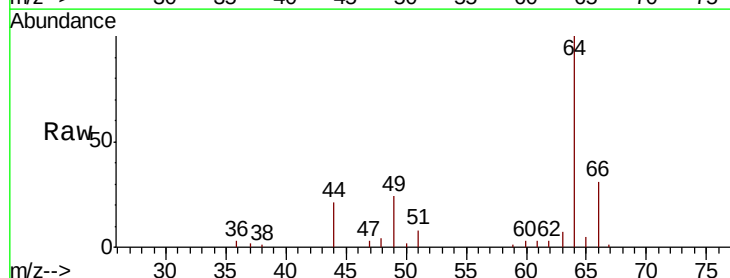
Instrument :
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VU0922WBS01

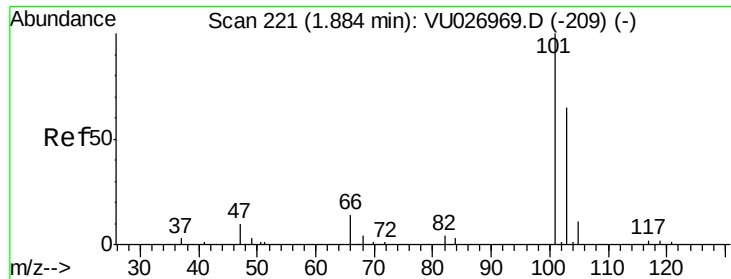
Tgt Ion: 94 Resp: 21106
Ion Ratio Lower Upper
94 100
96 95.1 73.2 109.8



#6
Chloroethane
Concen: 18.806 ug/l
RT: 1.70 min Scan# 163
Delta R.T. 0.00 min
Lab File: VU026974.D
Acq: 21 Sep 2018 18:09

Tgt Ion: 64 Resp: 23739
Ion Ratio Lower Upper
64 100
66 31.0 25.3 37.9



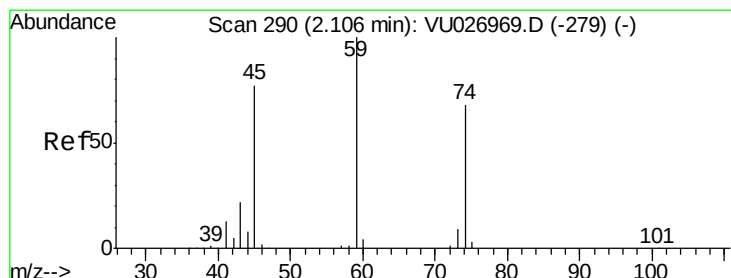
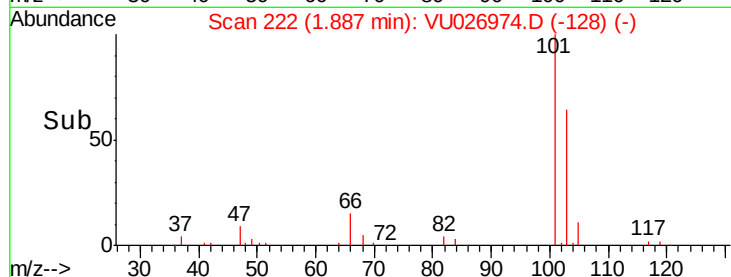
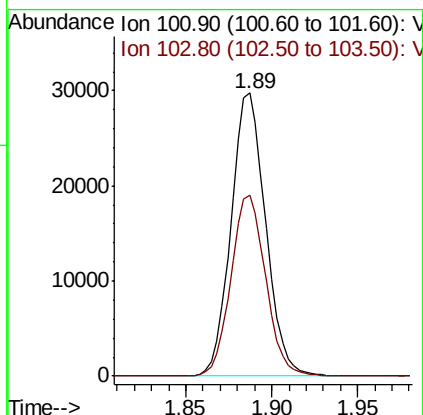
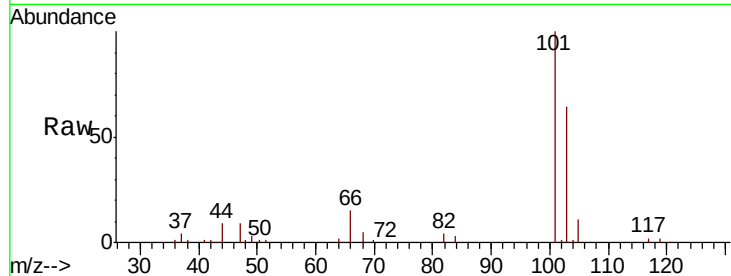


#7

Trichlorofluoromethane
 Concen: 18.635 ug/l
 RT: 1.89 min Scan# 222
 Delta R.T. 0.00 min
 Lab File: VU026974.D
 Acq: 21 Sep 2018 18:09

Instrument :
 MSVOA_U
 ClientSampleId :
 VU0922WBS01

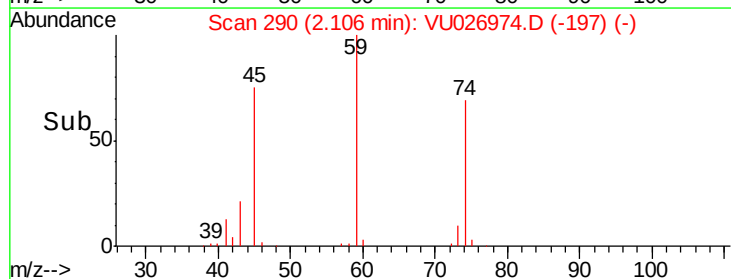
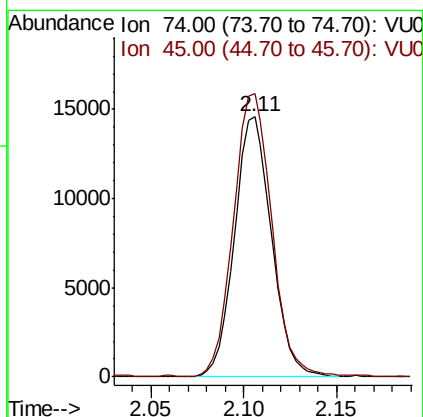
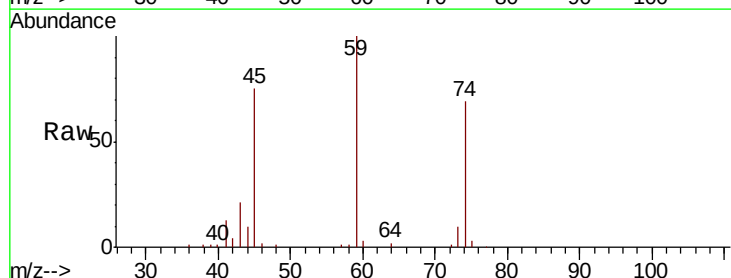
Tgt Ion:101 Resp: 41815
 Ion Ratio Lower Upper
 101 100
 103 63.7 52.2 78.2

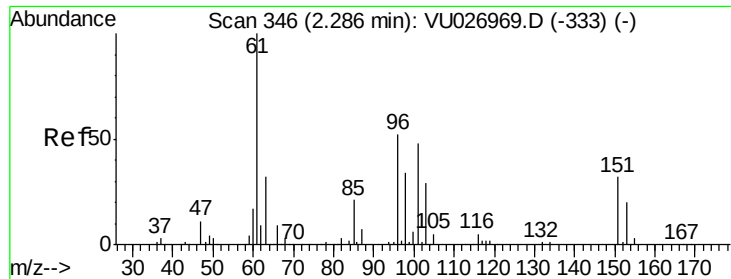


#8

Diethyl Ether
 Concen: 18.765 ug/l
 RT: 2.11 min Scan# 290
 Delta R.T. 0.00 min
 Lab File: VU026974.D
 Acq: 21 Sep 2018 18:09

Tgt Ion: 74 Resp: 20267
 Ion Ratio Lower Upper
 74 100
 45 113.1 56.9 170.7





#9

1,1,2-Trichlorotrifluoroethane

Concen: 18.579 ug/l

RT: 2.29 min Scan# 347

Delta R.T. 0.00 min

Lab File: VU026974.D

Acq: 21 Sep 2018 18:09

Instrument :

MSVOA_U

ClientSampleId :

VU0922WBS01

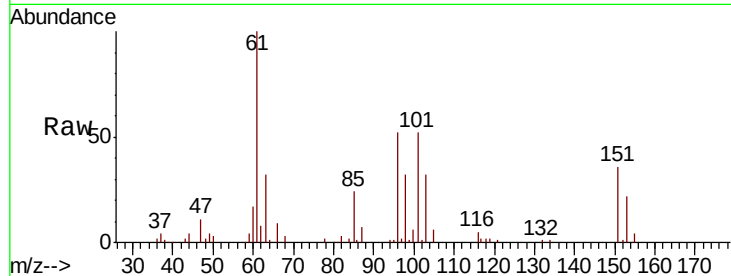
Tgt Ion:101 Resp: 25633

Ion Ratio Lower Upper

101 100

85 46.3 36.2 54.2

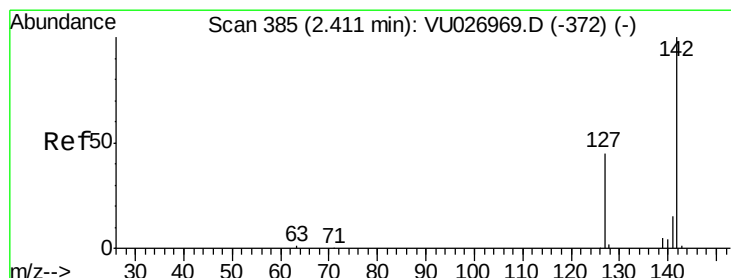
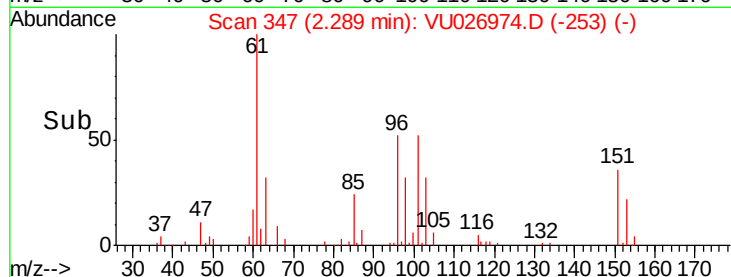
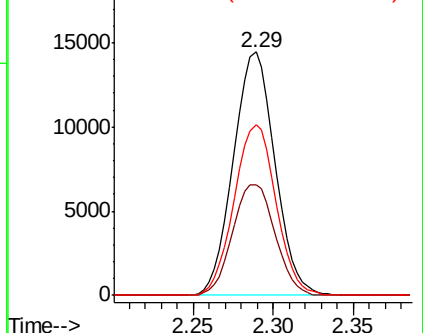
151 70.6 54.5 81.7



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: 17.404 ug/l

RT: 2.41 min Scan# 385

Delta R.T. 0.00 min

Lab File: VU026974.D

Acq: 21 Sep 2018 18:09

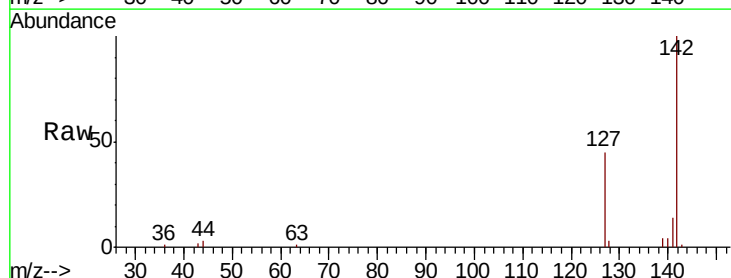
Tgt Ion:142 Resp: 29781

Ion Ratio Lower Upper

142 100

127 43.8 36.7 55.1

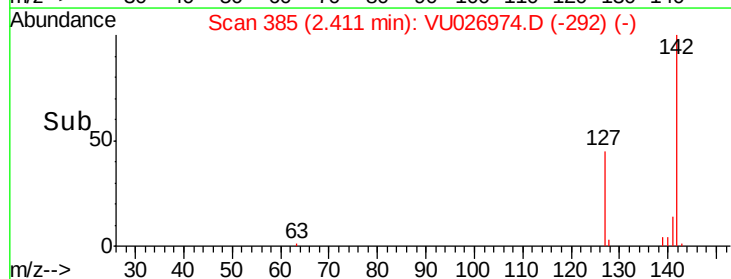
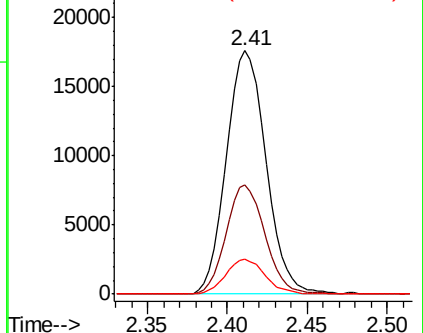
141 14.1 11.8 17.6

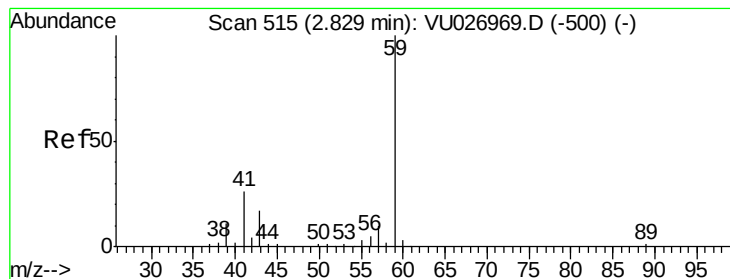


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V





#11

Tert butyl alcohol

Concen: 95.325 ug/l

RT: 2.83 min Scan# 514

Delta R.T. -0.00 min

Lab File: VU026974.D

Acq: 21 Sep 2018 18:09

Instrument :

MSVOA_U

ClientSampleId :

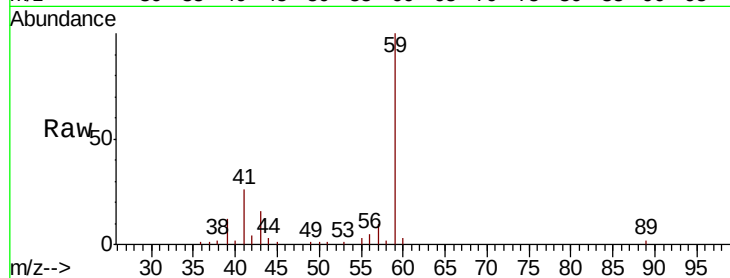
VU0922WBS01

Tgt Ion: 59 Resp: 41347

Ion Ratio Lower Upper

59 100

57 9.5 8.5 12.7



Abundance Ion 59.00 (58.70 to 59.70): VU026969.D

Ion 57.00 (56.70 to 57.70): VU026969.D

2.83

20000

15000

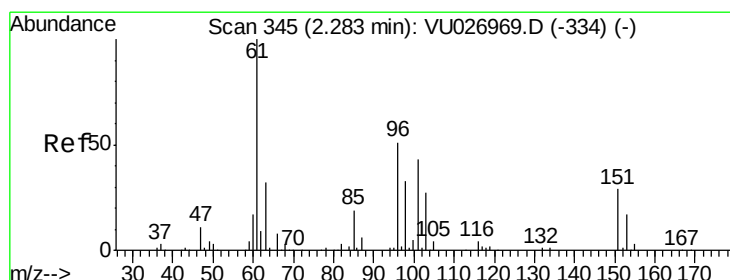
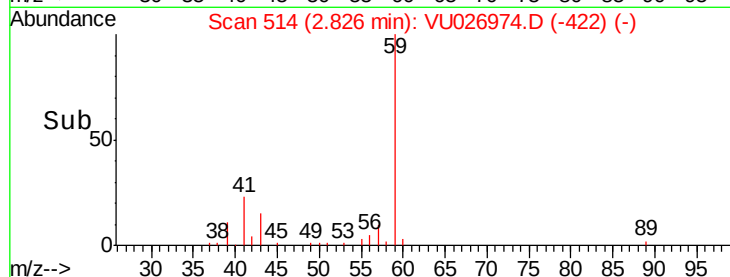
10000

5000

0

2.75 2.80 2.85 2.90

Time-->



#12

1,1-Dichloroethene

Concen: 18.593 ug/l

RT: 2.29 min Scan# 346

Delta R.T. 0.00 min

Lab File: VU026974.D

Acq: 21 Sep 2018 18:09

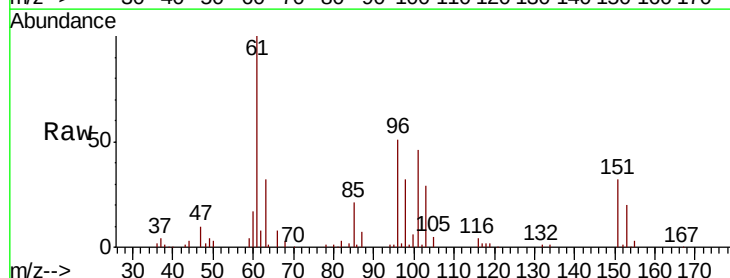
Tgt Ion: 96 Resp: 24145

Ion Ratio Lower Upper

96 100

61 194.9 156.1 234.1

98 62.3 51.4 77.0



Abundance Ion 95.90 (95.60 to 96.60): VU026969.D

Ion 60.90 (60.60 to 61.60): VU026969.D

Ion 97.90 (97.60 to 98.60): VU026969.D

40000

30000

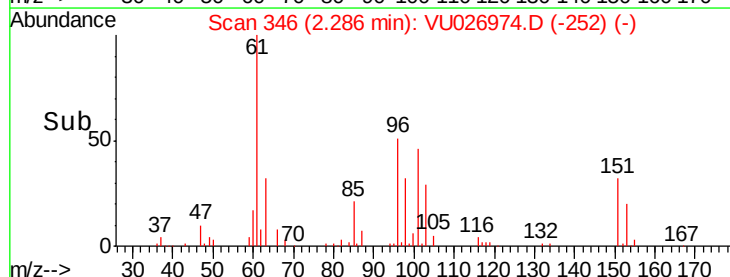
20000

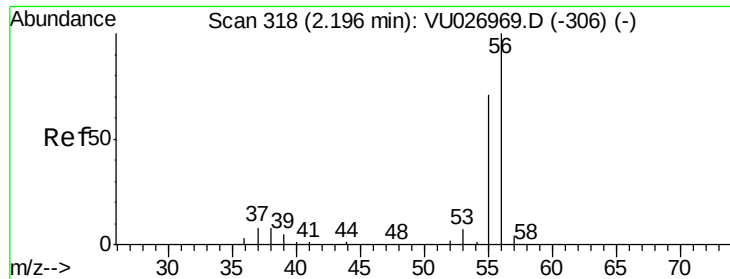
10000

0

2.25 2.30 2.35

Time-->





#13

Acrolein

Concen: 93.008 ug/l

RT: 2.20 min Scan# 318

Delta R.T. -0.00 min

Lab File: VU026974.D

Acq: 21 Sep 2018 18:09

Instrument :

MSVOA_U

ClientSampleId :

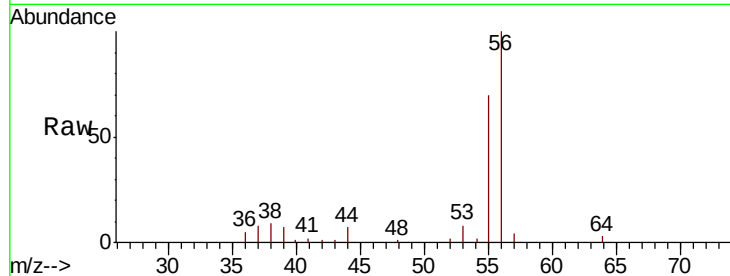
VU0922WBS01

Tgt Ion: 56 Resp: 21747

Ion Ratio Lower Upper

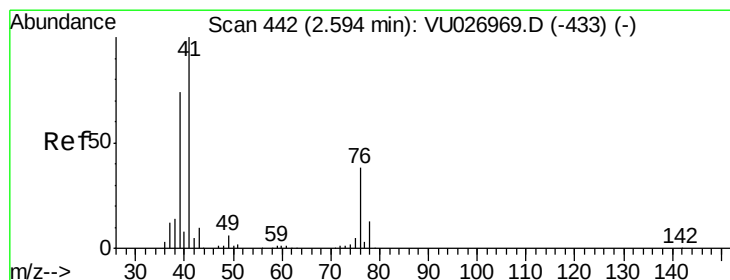
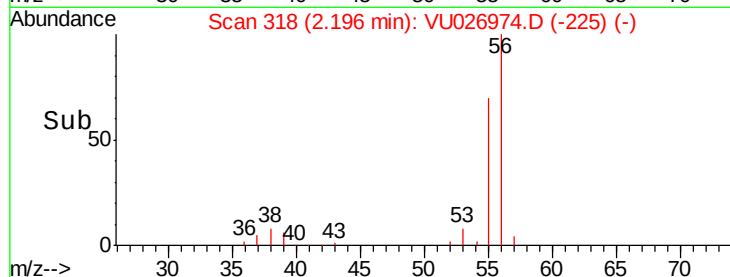
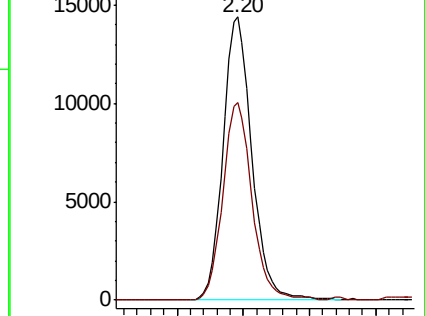
56 100

55 70.3 57.1 85.7



Abundance Ion 56.00 (55.70 to 56.70): VU0

Ion 55.00 (54.70 to 55.70): VU0



#14

Allyl chloride

Concen: 19.247 ug/l

RT: 2.59 min Scan# 442

Delta R.T. -0.00 min

Lab File: VU026974.D

Acq: 21 Sep 2018 18:09

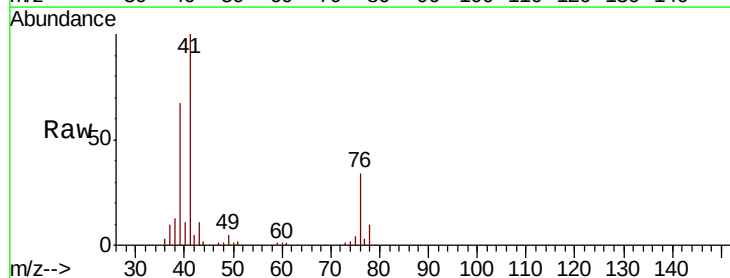
Tgt Ion: 41 Resp: 50694

Ion Ratio Lower Upper

41 100

39 68.0 55.7 83.5

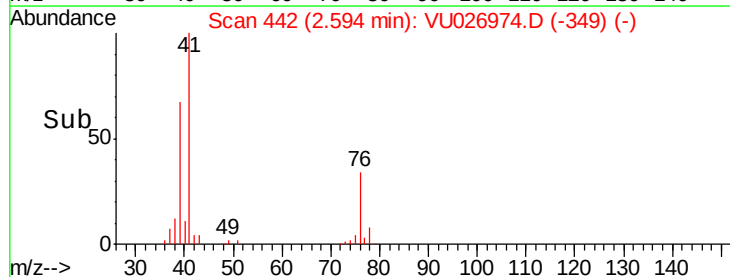
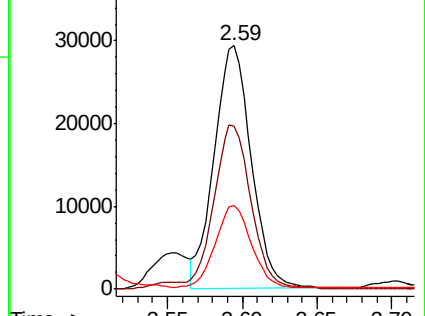
76 32.9 26.5 39.7

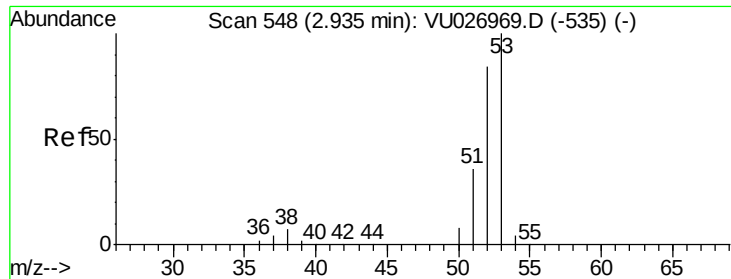


Abundance Ion 41.00 (40.70 to 41.70): VU0

Ion 39.00 (38.70 to 39.70): VU0

Ion 75.90 (75.60 to 76.60): VU0





#15

Acrylonitrile

Concen: 92.717 ug/l

RT: 2.94 min Scan# 548

Delta R.T. 0.00 min

Lab File: VU026974.D

Acq: 21 Sep 2018 18:09

Instrument :

MSVOA_U

ClientSampleId :

VU0922WBS01

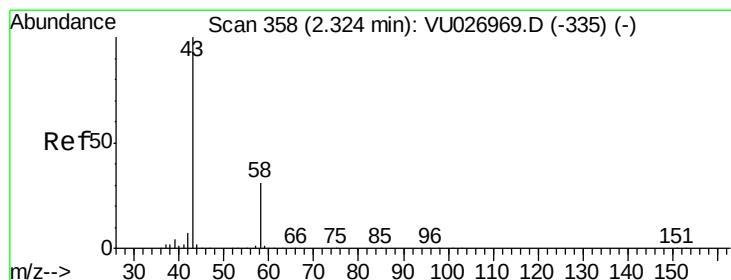
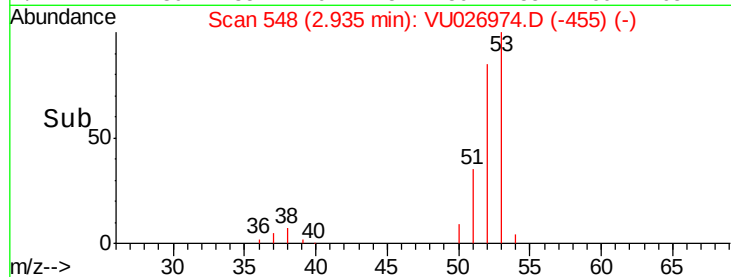
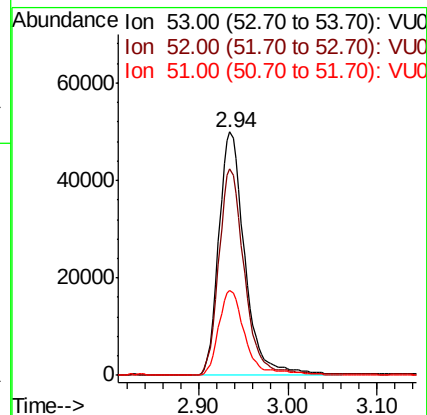
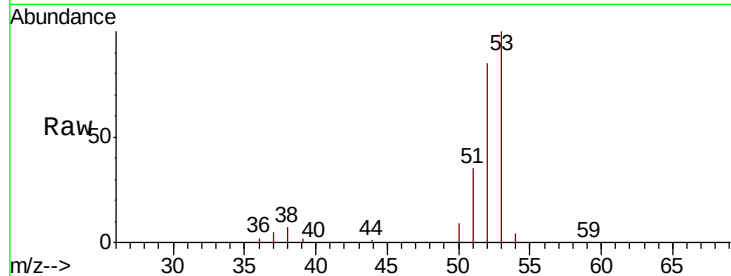
Tgt Ion: 53 Resp: 101359

Ion Ratio Lower Upper

53 100

52 83.4 65.7 98.5

51 35.8 27.4 41.2



#16

Acetone

Concen: 93.982 ug/l

RT: 2.32 min Scan# 357

Delta R.T. -0.00 min

Lab File: VU026974.D

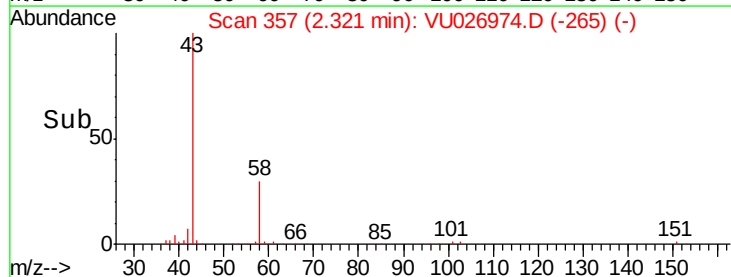
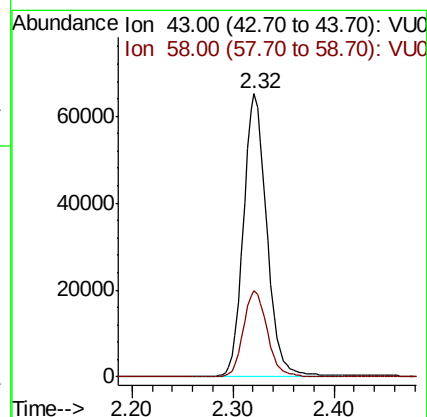
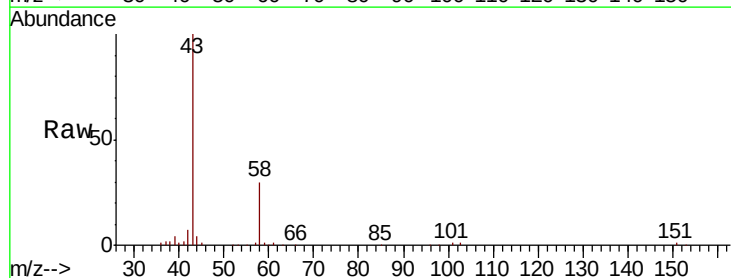
Acq: 21 Sep 2018 18:09

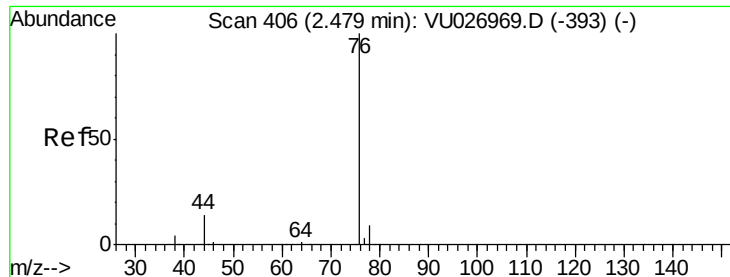
Tgt Ion: 43 Resp: 104880

Ion Ratio Lower Upper

43 100

58 30.3 24.6 36.8





#17

Carbon Disulfide

Concen: 18.333 ug/l

RT: 2.48 min Scan# 406

Delta R.T. -0.00 min

Lab File: VU026974.D

Acq: 21 Sep 2018 18:09

Instrument :

MSVOA_U

ClientSampleId :

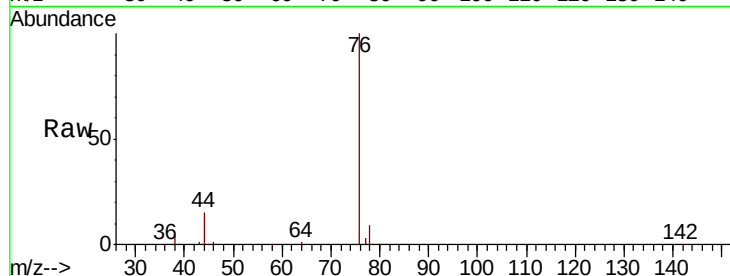
VU0922WBS01

Tgt Ion: 76 Resp: 77555

Ion Ratio Lower Upper

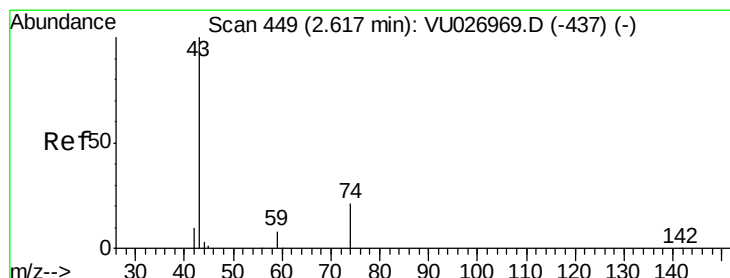
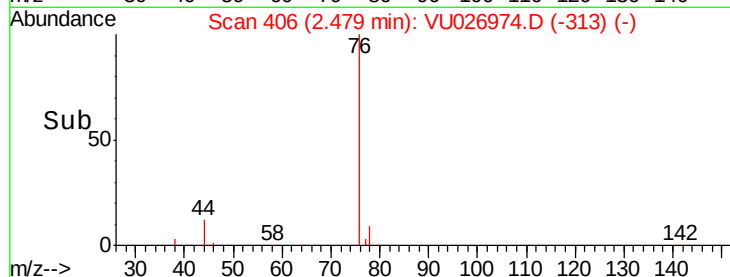
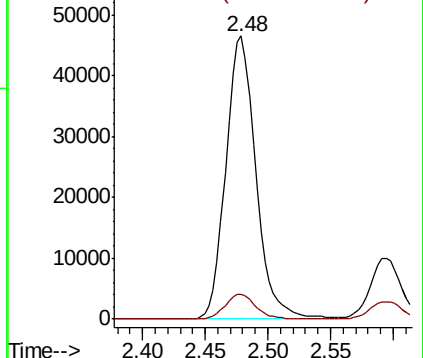
76 100

78 8.9 7.1 10.7



Abundance Ion 75.90 (75.60 to 76.60): VU0

Ion 77.90 (77.60 to 78.60): VU0



#18

Methyl Acetate

Concen: 18.373 ug/l

RT: 2.62 min Scan# 449

Delta R.T. 0.00 min

Lab File: VU026974.D

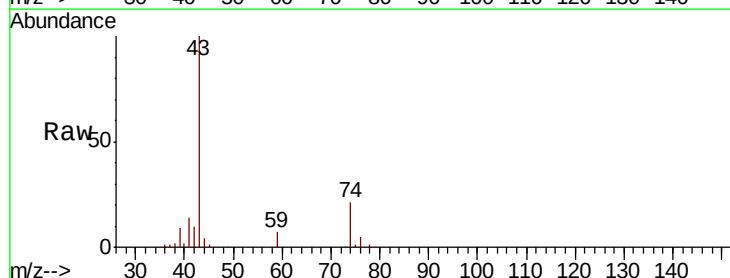
Acq: 21 Sep 2018 18:09

Tgt Ion: 43 Resp: 49488

Ion Ratio Lower Upper

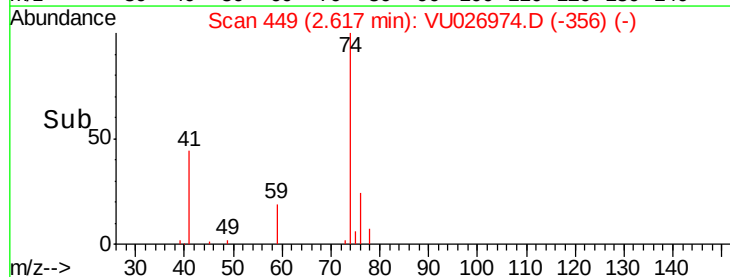
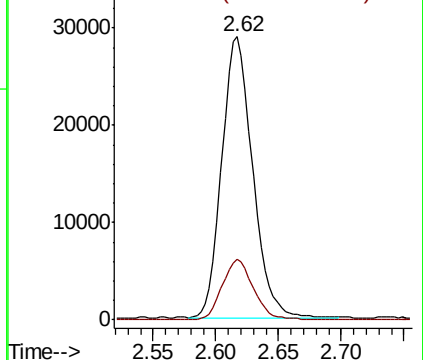
43 100

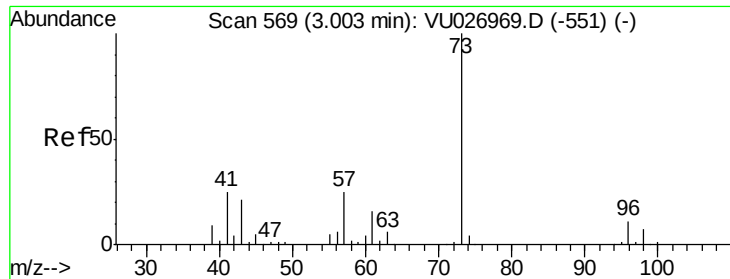
74 21.9 16.6 25.0



Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 74.00 (73.70 to 74.70): VU0

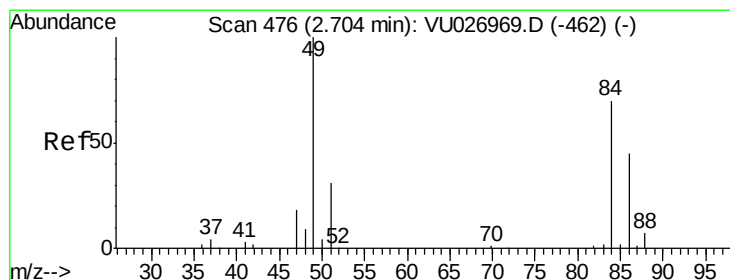
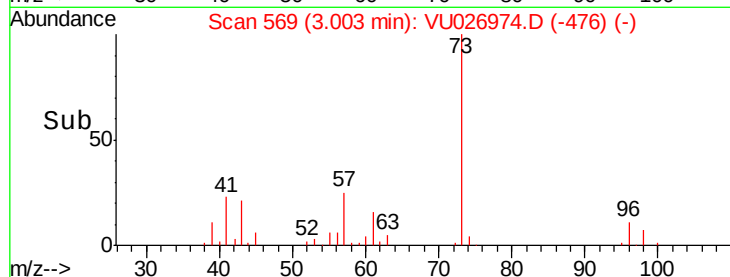
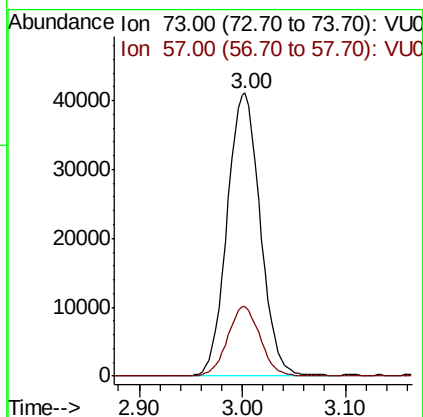
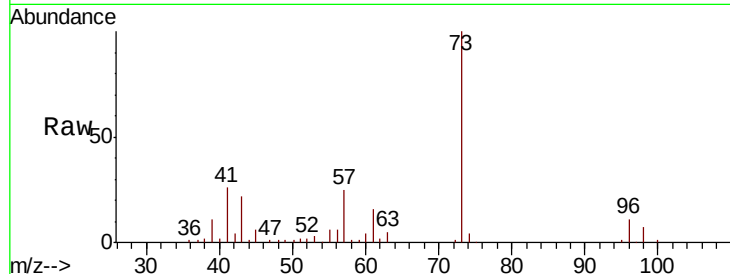




#19
Methyl tert-butyl Ether
Concen: 19.280 ug/l
RT: 3.00 min Scan# 569
Delta R.T. 0.00 min
Lab File: VU026974.D
Acq: 21 Sep 2018 18:09

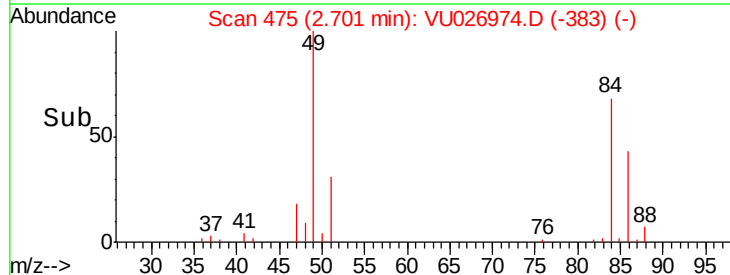
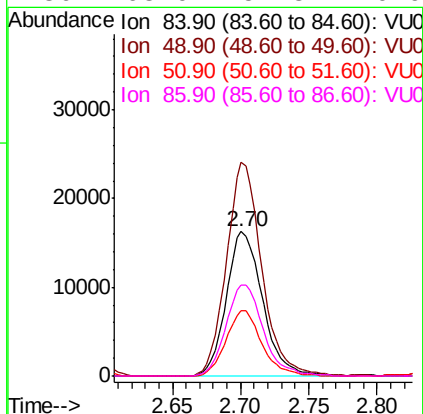
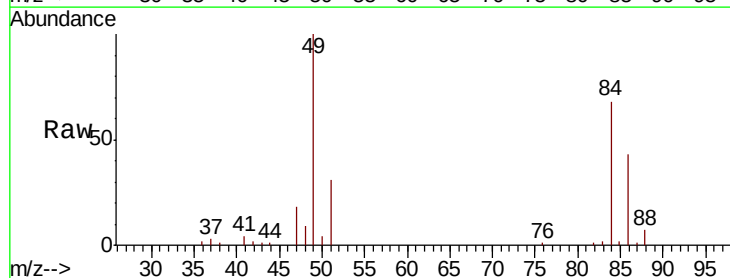
Instrument :
MSVOA_U
ClientSampleId :
VU0922WBS01

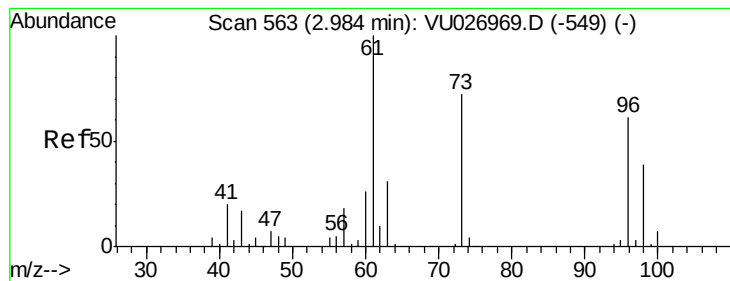
Tgt Ion: 73 Resp: 92004
Ion Ratio Lower Upper
73 100
57 24.6 19.8 29.6



#20
Methylene Chloride
Concen: 17.708 ug/l
RT: 2.70 min Scan# 475
Delta R.T. -0.00 min
Lab File: VU026974.D
Acq: 21 Sep 2018 18:09

Tgt Ion: 84 Resp: 30011
Ion Ratio Lower Upper
84 100
49 148.0 114.9 172.3
51 45.3 35.8 53.8
86 63.0 51.3 76.9





#21

trans-1,2-Dichloroethene

Concen: 19.094 ug/l

RT: 2.98 min Scan# 563

Delta R.T. -0.00 min

Lab File: VU026974.D

Acq: 21 Sep 2018 18:09

Instrument :

MSVOA_U

ClientSampleId :

VU0922WBS01

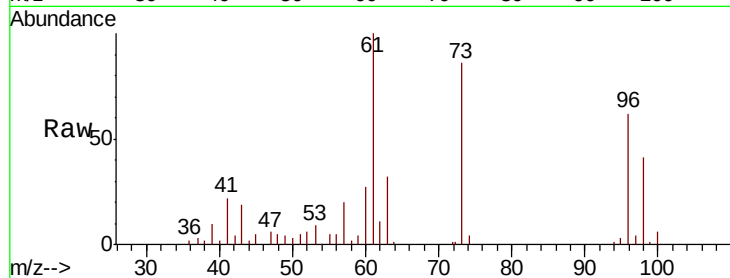
Tgt Ion: 96 Resp: 26473

Ion Ratio Lower Upper

96 100

61 161.1 131.8 197.6

98 66.1 50.9 76.3

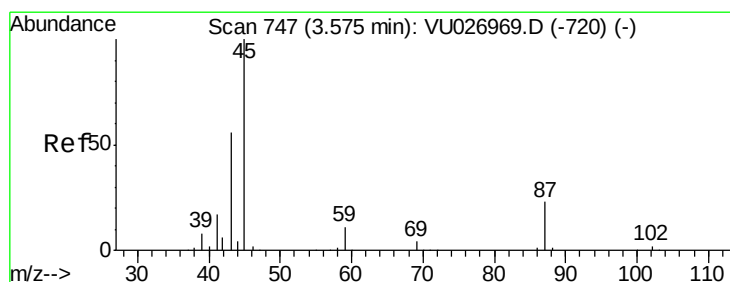
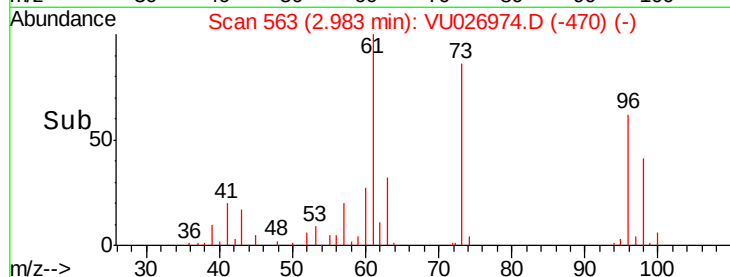
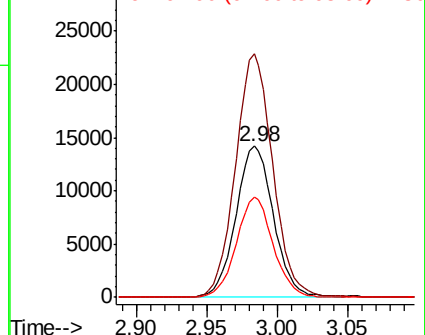


Abundance

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



#22

Diisopropyl ether

Concen: 19.744 ug/l

RT: 3.57 min Scan# 746

Delta R.T. -0.00 min

Lab File: VU026974.D

Acq: 21 Sep 2018 18:09

Tgt Ion: 45 Resp: 111229

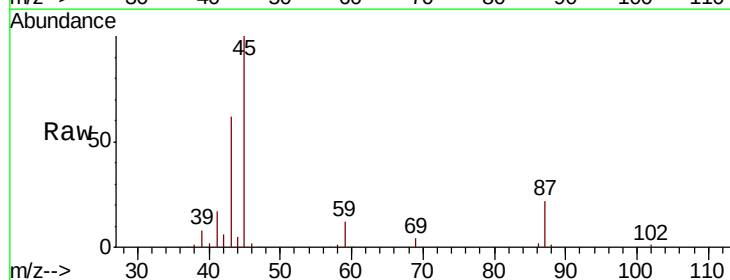
Ion Ratio Lower Upper

45 100

43 58.3 45.8 68.6

87 22.4 18.6 28.0

59 11.6 9.0 13.4



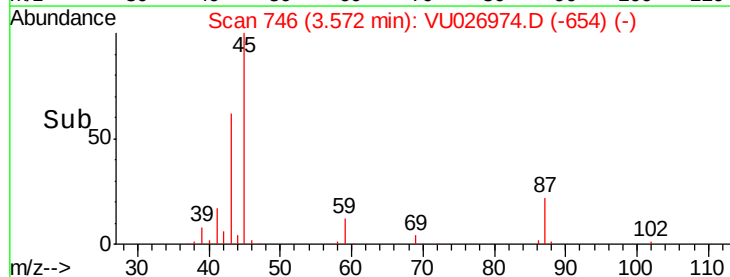
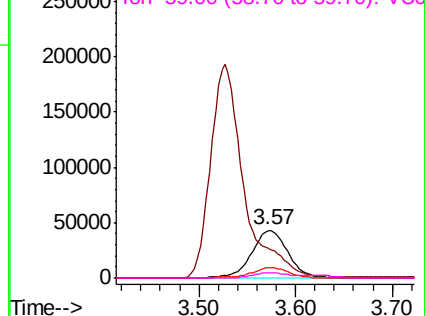
Abundance

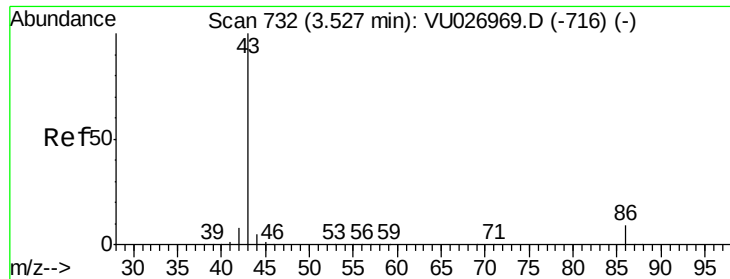
Ion 45.00 (44.70 to 45.70): VU0

Ion 43.00 (42.70 to 43.70): VU0

Ion 87.00 (86.70 to 87.70): VU0

Ion 59.00 (58.70 to 59.70): VU0





#23

Vinyl Acetate

Concen: 97.331 ug/l

RT: 3.53 min Scan# 732

Delta R.T. 0.00 min

Lab File: VU026974.D

Acq: 21 Sep 2018 18:09

Instrument :

MSVOA_U

ClientSampleId :

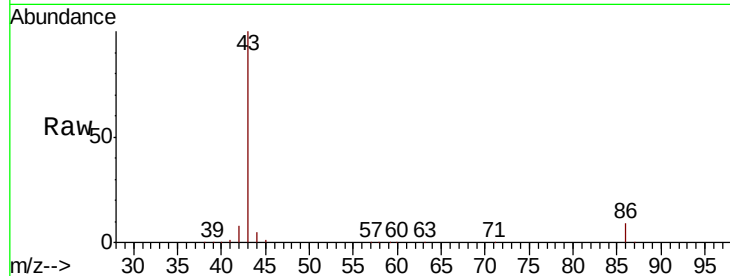
VU0922WBS01

Tgt Ion: 43 Resp: 467407

Ion Ratio Lower Upper

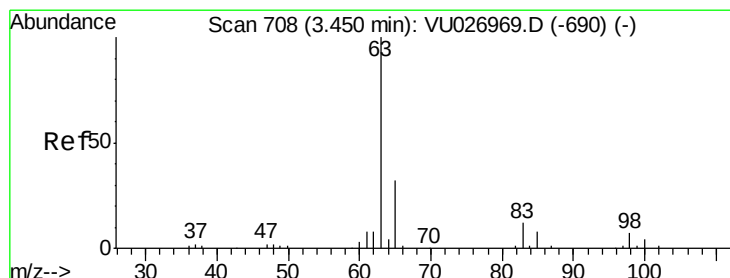
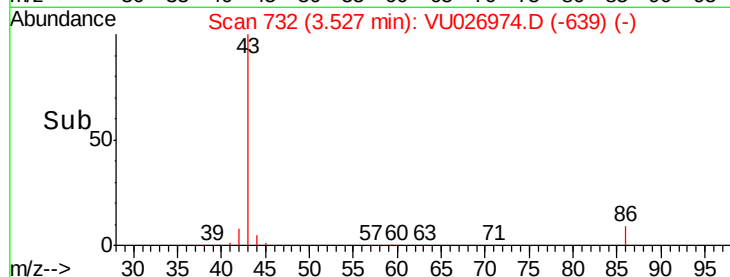
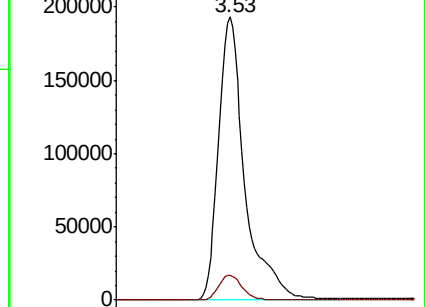
43 100

86 8.7 7.2 10.8



Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 86.00 (85.70 to 86.70): VU0



#24

1,1-Dichloroethane

Concen: 18.911 ug/l

RT: 3.45 min Scan# 707

Delta R.T. -0.00 min

Lab File: VU026974.D

Acq: 21 Sep 2018 18:09

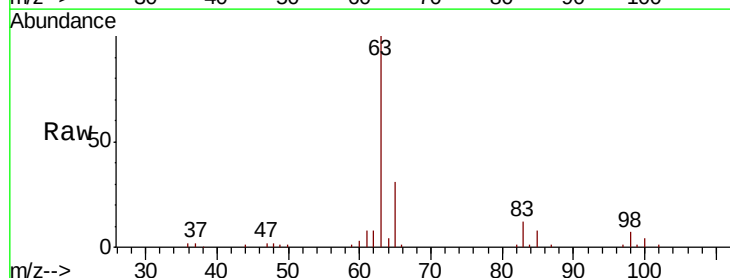
Tgt Ion: 63 Resp: 58677

Ion Ratio Lower Upper

63 100

98 6.8 3.3 9.8

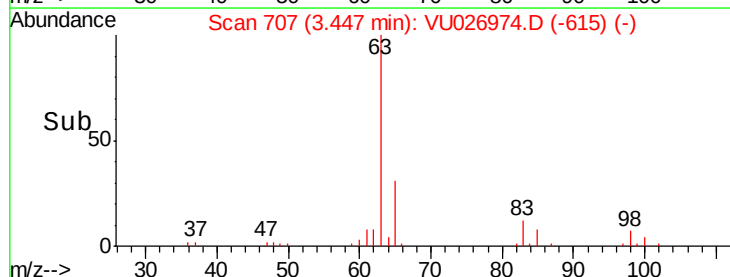
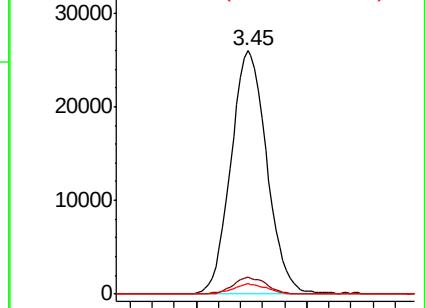
100 4.2 2.0 5.8

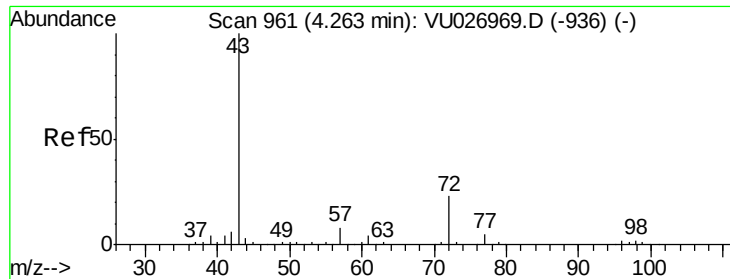


Abundance Ion 62.90 (62.60 to 63.60): VU0

Ion 97.90 (97.60 to 98.60): VU0

Ion 99.90 (99.60 to 100.60): VU0





#25

2-Butanone

Concen: 92.093 ug/l

RT: 4.26 min Scan# 961

Delta R.T. 0.00 min

Lab File: VU026974.D

Acq: 21 Sep 2018 18:09

Instrument :

MSVOA_U

ClientSampleId :

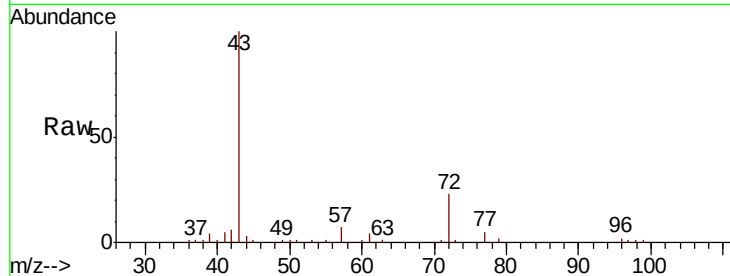
VU0922WBS01

Tgt Ion: 43 Resp: 146459

Ion Ratio Lower Upper

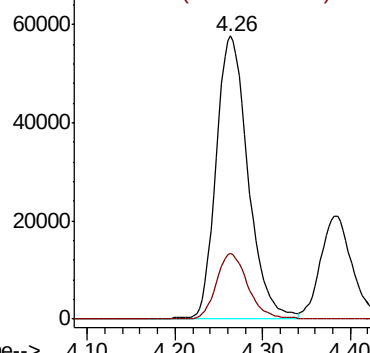
43 100

72 23.4 18.4 27.6

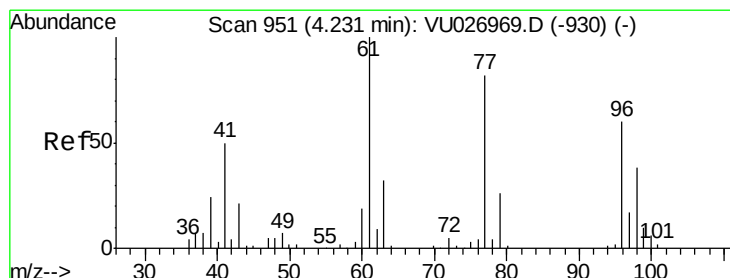
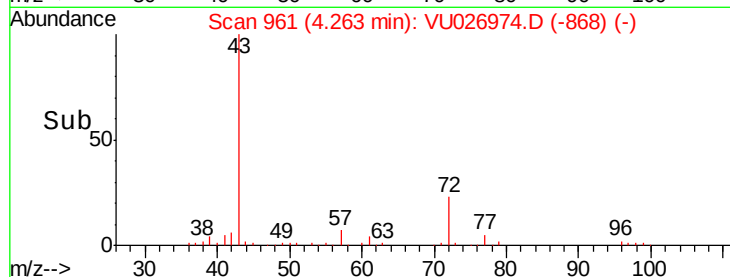


Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 72.00 (71.70 to 72.70): VU0



Time--> 4.10 4.20 4.30 4.40



#26

2,2-Dichloropropane

Concen: 19.218 ug/l

RT: 4.23 min Scan# 950

Delta R.T. -0.00 min

Lab File: VU026974.D

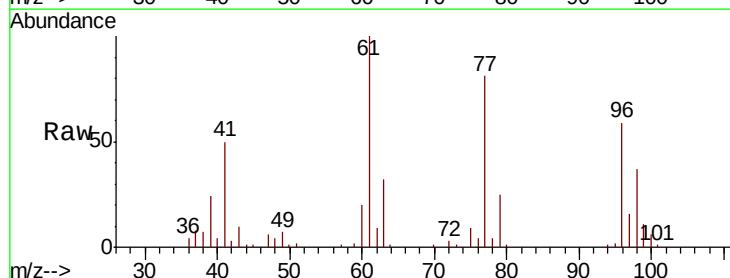
Acq: 21 Sep 2018 18:09

Tgt Ion: 77 Resp: 46504

Ion Ratio Lower Upper

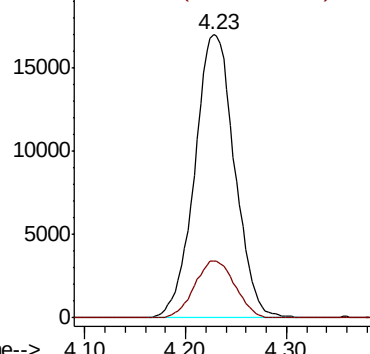
77 100

97 20.3 10.5 31.5

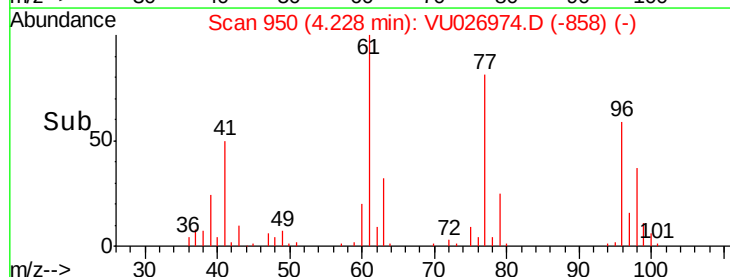


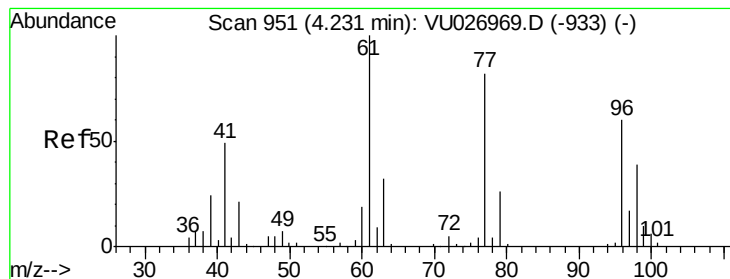
Abundance Ion 76.90 (76.60 to 77.60): VU0

Ion 96.90 (96.60 to 97.60): VU0



Time--> 4.10 4.20 4.30



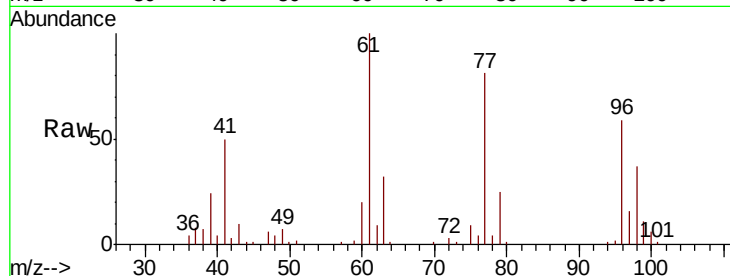


#27

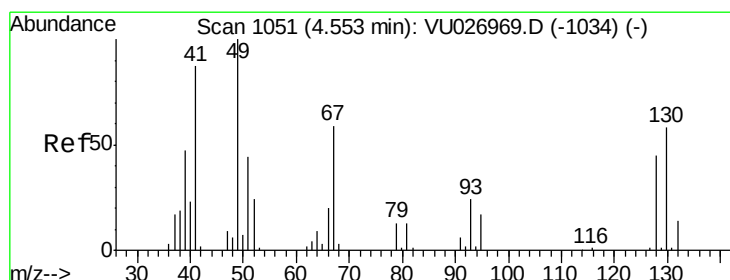
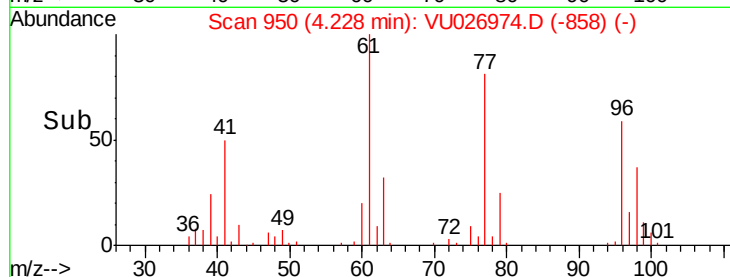
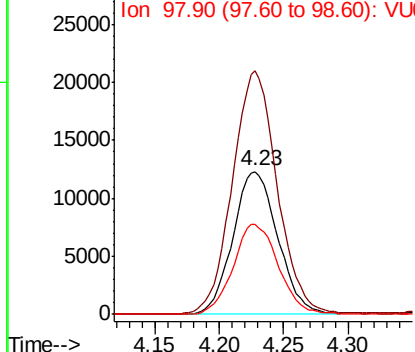
cis-1,2-Dichloroethene
Concen: 18.986 ug/l
RT: 4.23 min Scan# 950
Delta R.T. -0.00 min
Lab File: VU026974.D
Acq: 21 Sep 2018 18:09

Instrument :
MSVOA_U
ClientSampleId :
VU0922WBS01

Tgt Ion: 96 Resp: 29728
Ion Ratio Lower Upper
96 100
61 171.2 0.0 337.2
98 63.4 0.0 127.6



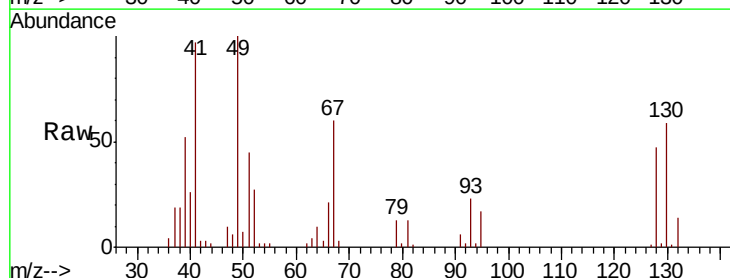
Abundance Ion 95.90 (95.60 to 96.60): VU0
Ion 60.90 (60.60 to 61.60): VU0
Ion 97.90 (97.60 to 98.60): VU0



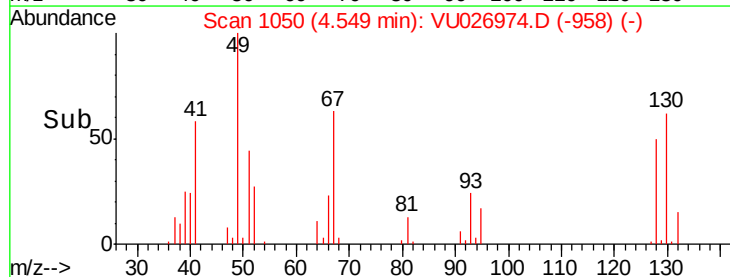
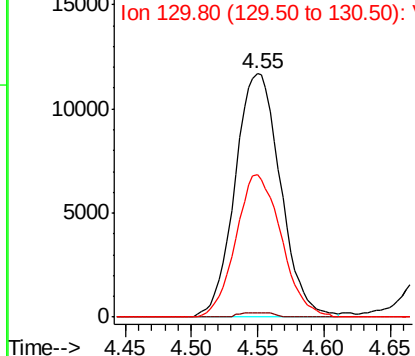
#28

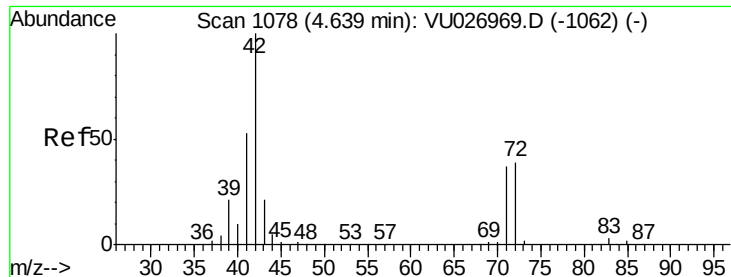
Bromochloromethane
Concen: 18.669 ug/l
RT: 4.55 min Scan# 1050
Delta R.T. -0.00 min
Lab File: VU026974.D
Acq: 21 Sep 2018 18:09

Tgt Ion: 49 Resp: 27923
Ion Ratio Lower Upper
49 100
129 0.7 0.0 3.0
130 58.5 47.8 71.8



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

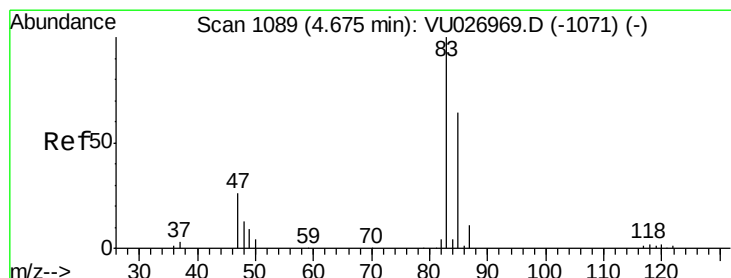
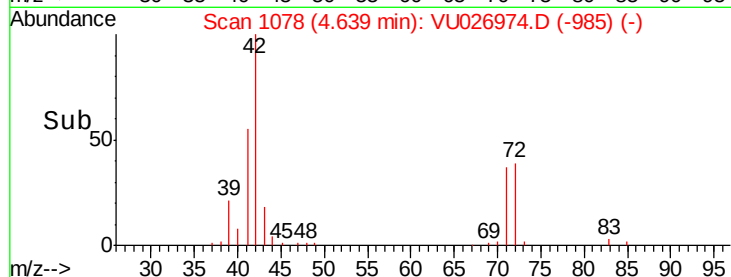
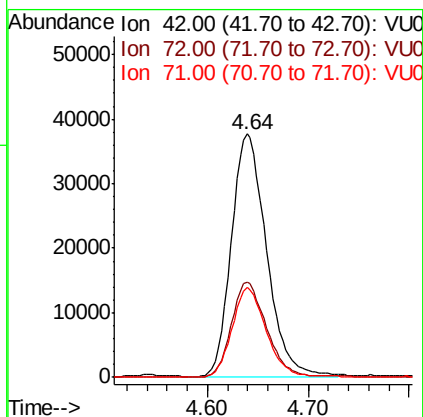
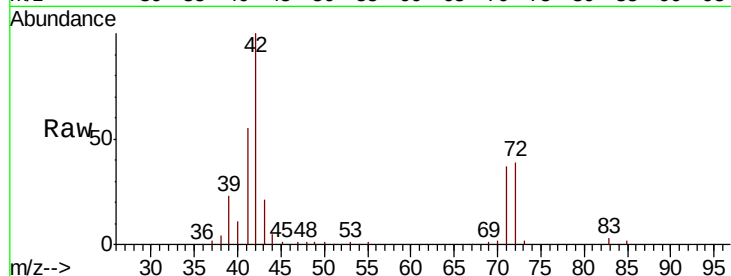




#29
Tetrahydrofuran
Concen: 94.461 ug/l
RT: 4.64 min Scan# 1078
Delta R.T. -0.00 min
Lab File: VU026974.D
Acq: 21 Sep 2018 18:09

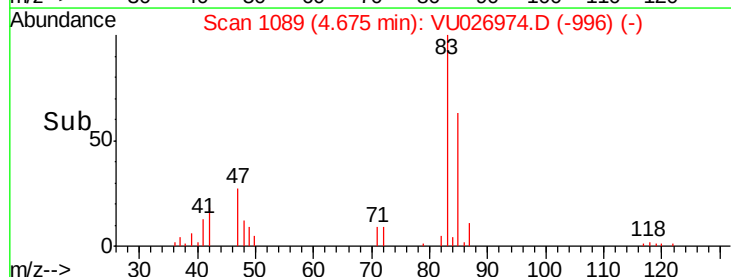
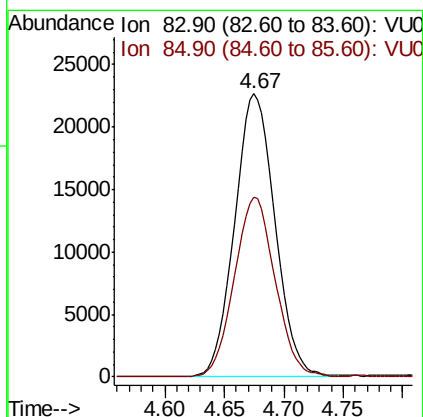
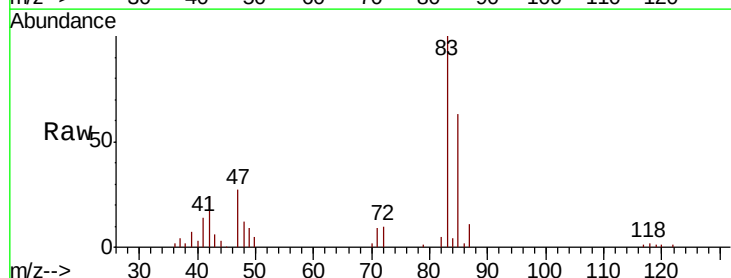
Instrument :
MSVOA_U
ClientSampleId :
VU0922WBS01

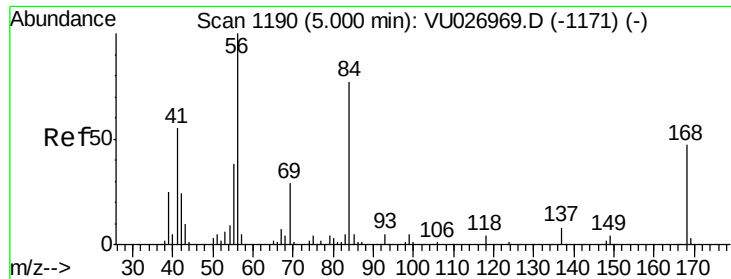
Tgt Ion: 42 Resp: 90876
Ion Ratio Lower Upper
42 100
72 39.5 31.7 47.5
71 36.0 29.6 44.4



#30
Chloroform
Concen: 18.531 ug/l
RT: 4.67 min Scan# 1089
Delta R.T. -0.00 min
Lab File: VU026974.D
Acq: 21 Sep 2018 18:09

Tgt Ion: 83 Resp: 53371
Ion Ratio Lower Upper
83 100
85 63.3 51.5 77.3

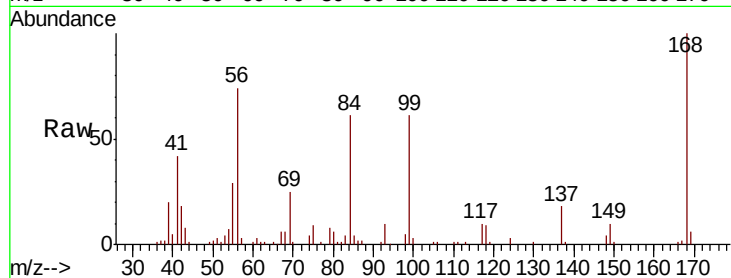




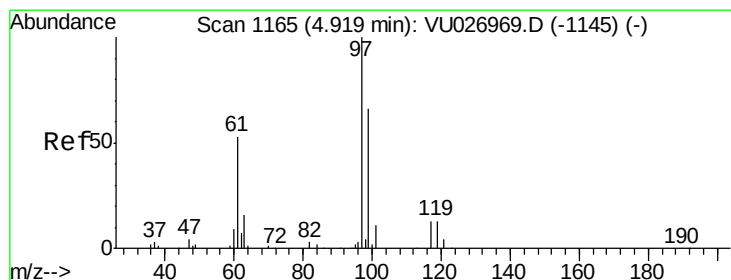
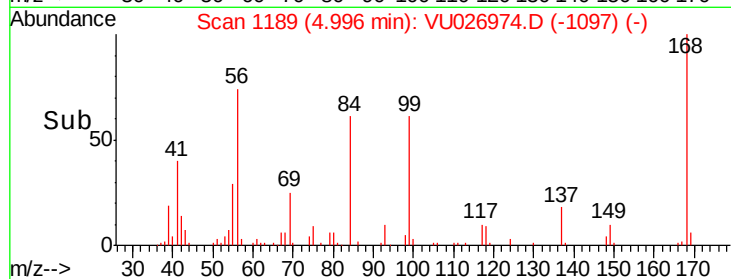
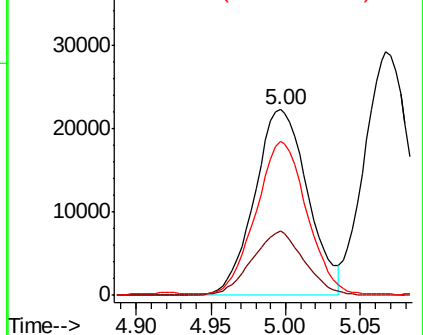
#31
Cyclohexane
Concen: 19.173 ug/l
RT: 5.00 min Scan# 1189
Delta R.T. -0.00 min
Lab File: VU026974.D
Acq: 21 Sep 2018 18:09

Instrument :
MSVOA_U
ClientSampleId :
VU0922WBS01

Tgt Ion: 56 Resp: 55078
Ion Ratio Lower Upper
56 100
69 34.6 23.0 34.4#
84 82.2 61.4 92.2

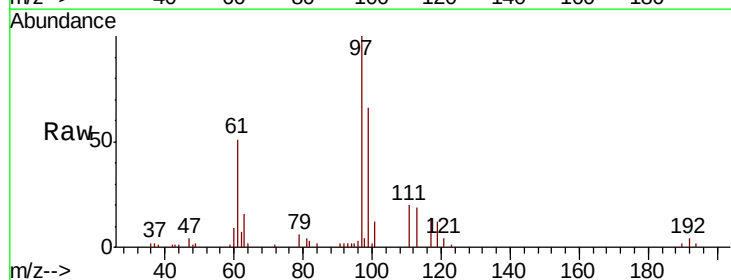


Abundance Ion 56.00 (55.70 to 56.70): VU0
Ion 69.00 (68.70 to 69.70): VU0
Ion 84.00 (83.70 to 84.70): VU0

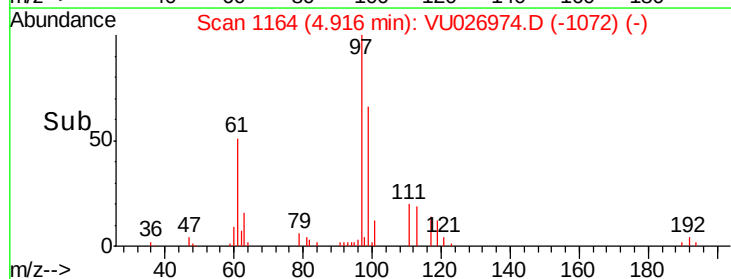
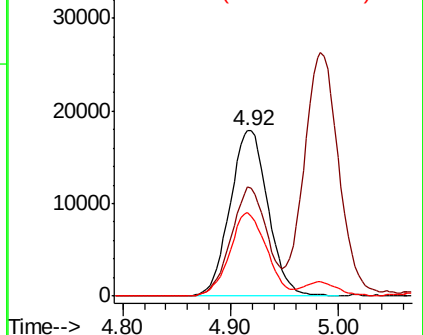


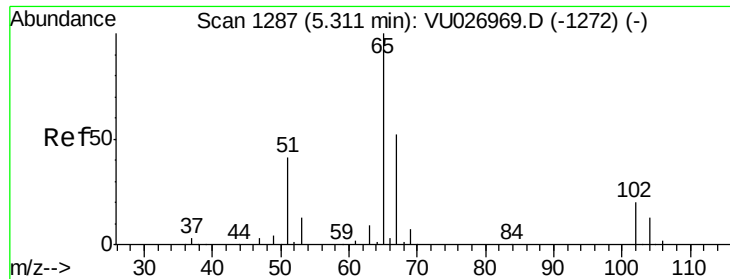
#32
1,1,1-Trichloroethane
Concen: 19.064 ug/l
RT: 4.92 min Scan# 1164
Delta R.T. -0.00 min
Lab File: VU026974.D
Acq: 21 Sep 2018 18:09

Tgt Ion: 97 Resp: 43838
Ion Ratio Lower Upper
97 100
99 62.6 51.8 77.6
61 49.0 41.1 61.7



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

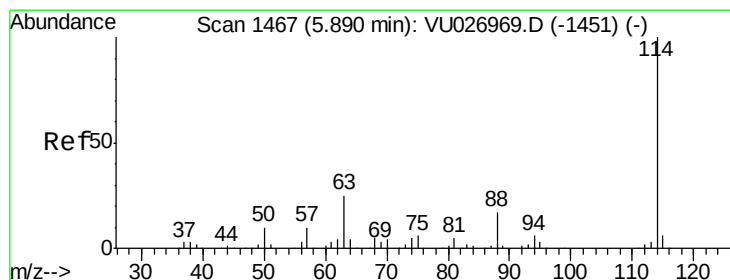
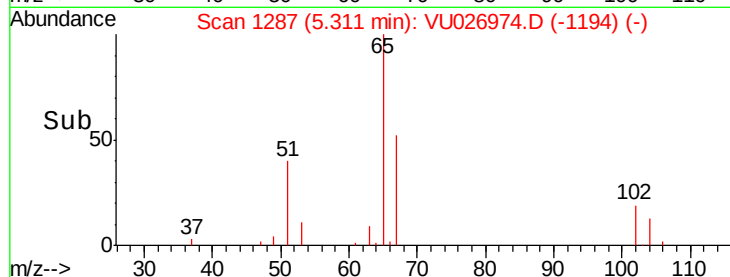
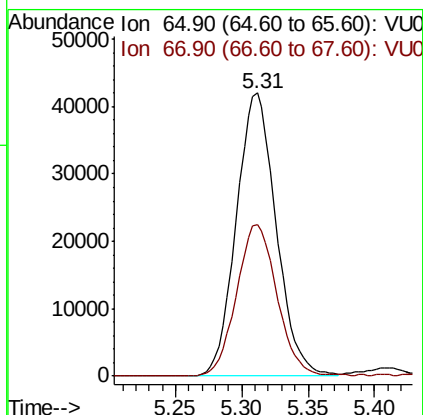
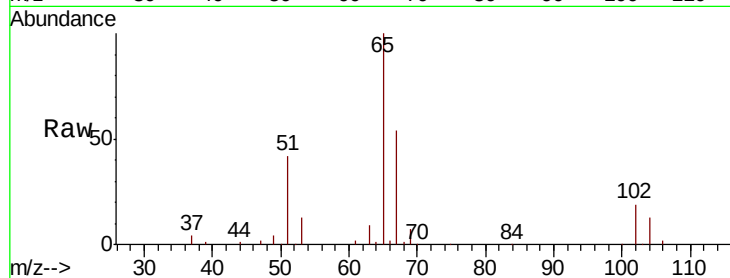




#33
 1,2-Dichloroethane-d4
 Concen: 46.449 ug/l
 RT: 5.31 min Scan# 1287
 Delta R.T. -0.00 min
 Lab File: VU026974.D
 Acq: 21 Sep 2018 18:09

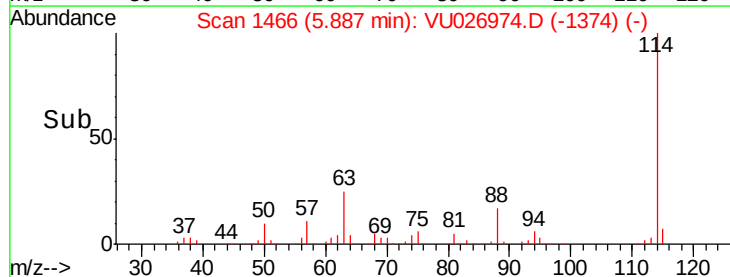
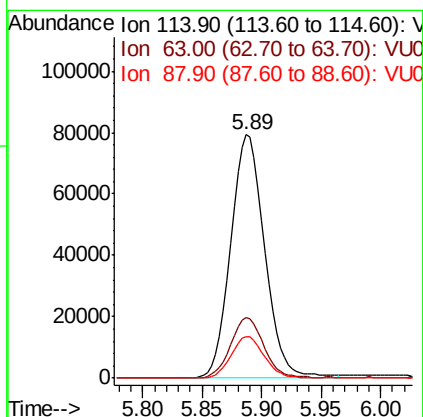
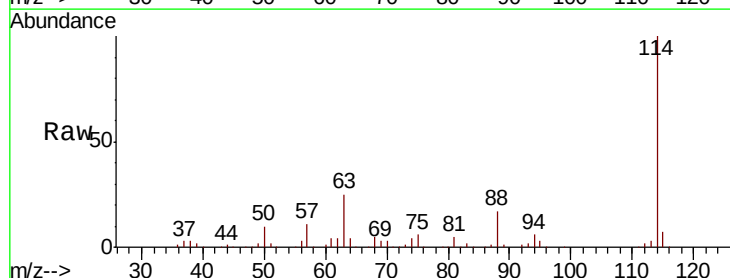
Instrument :
 MSVOA_U
 ClientSampleId :
 VU0922WBS01

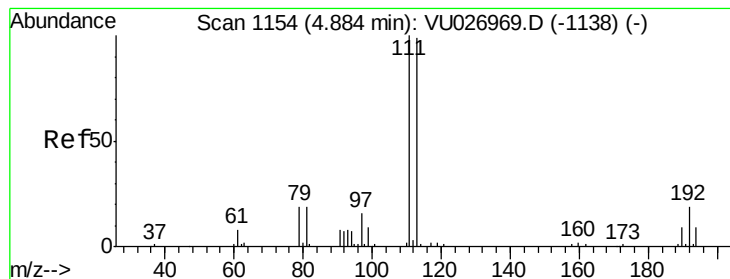
Tgt Ion: 65 Resp: 87899
 Ion Ratio Lower Upper
 65 100
 67 54.4 0.0 105.6



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 5.89 min Scan# 1466
 Delta R.T. -0.00 min
 Lab File: VU026974.D
 Acq: 21 Sep 2018 18:09

Tgt Ion: 114 Resp: 157387
 Ion Ratio Lower Upper
 114 100
 63 25.0 0.0 49.2
 88 17.2 0.0 33.8





#35

Dibromofluoromethane

Concen: 47.183 ug/l

RT: 4.88 min Scan# 1154

Delta R.T. 0.00 min

Lab File: VU026974.D

Acq: 21 Sep 2018 18:09

Instrument :

MSVOA_U

ClientSampleId :

VU0922WBS01

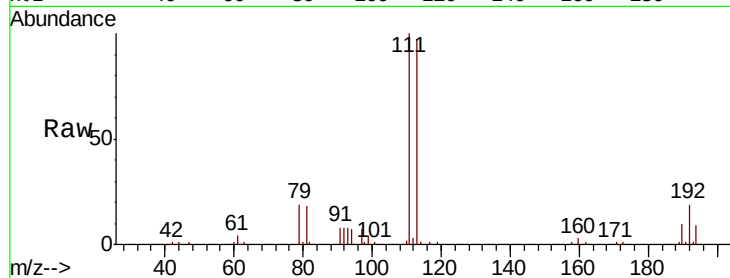
Tgt Ion:113 Resp: 64368

Ion Ratio Lower Upper

113 100

111 102.3 82.2 123.4

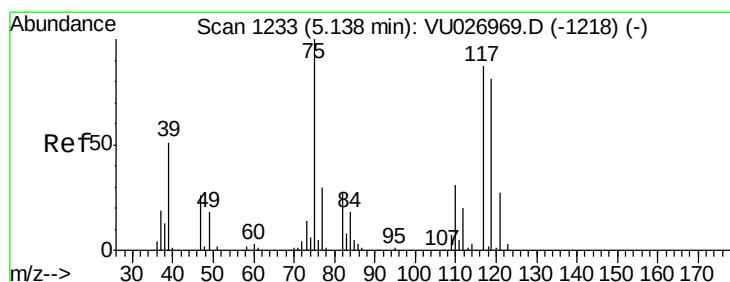
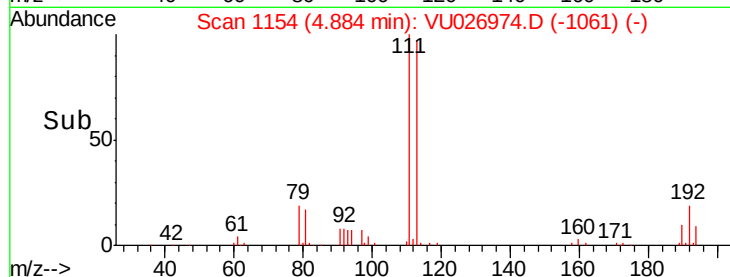
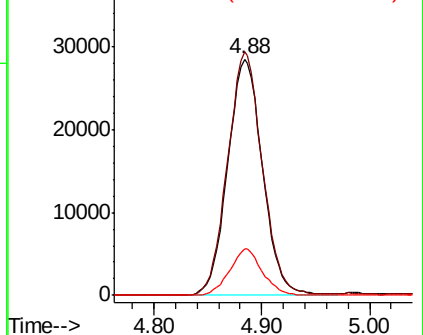
192 18.3 15.2 22.8



Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V



#36

1,1-Dichloropropene

Concen: 18.929 ug/l

RT: 5.14 min Scan# 1233

Delta R.T. 0.00 min

Lab File: VU026974.D

Acq: 21 Sep 2018 18:09

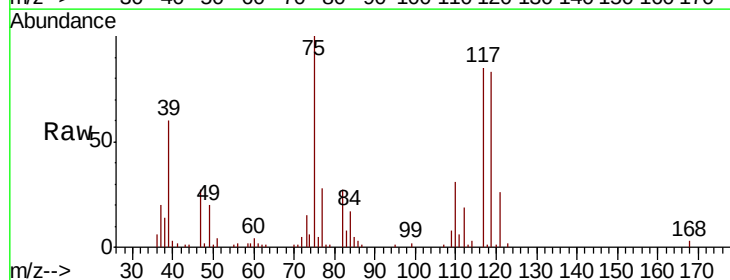
Tgt Ion: 75 Resp: 39760

Ion Ratio Lower Upper

75 100

110 31.8 16.1 48.2

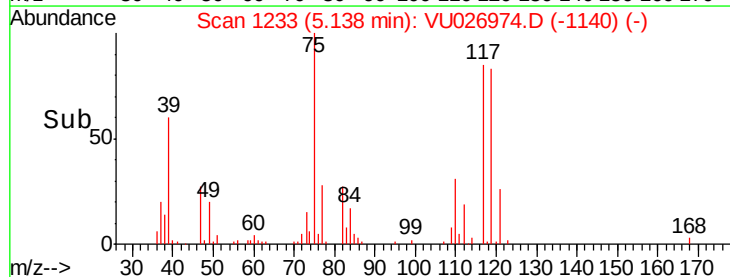
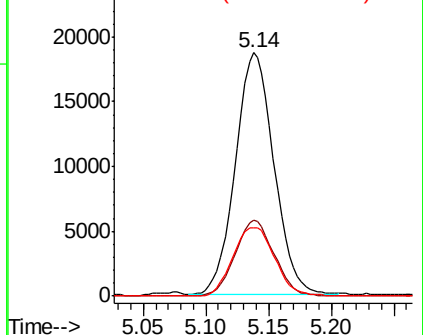
77 30.9 24.6 36.8

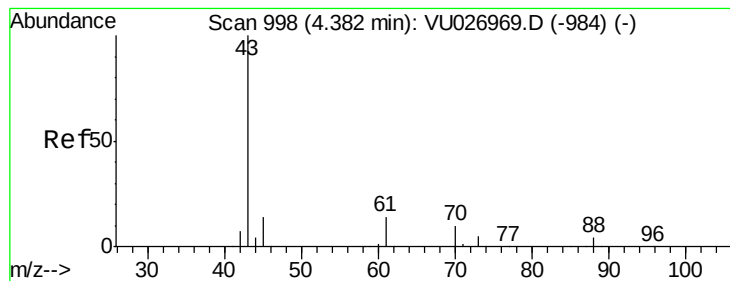


Abundance Ion 74.90 (74.60 to 75.60): VU0

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VU0





#37

Ethyl Acetate

Concen: 17.629 ug/l

RT: 4.38 min Scan# 998

Delta R.T. 0.00 min

Lab File: VU026974.D

Acq: 21 Sep 2018 18:09

Instrument :

MSVOA_U

ClientSampleId :

VU0922WBS01

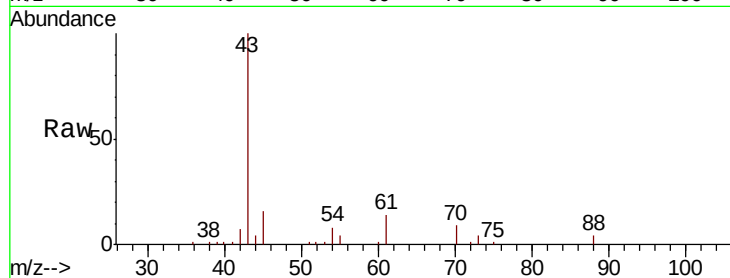
Tgt Ion: 43 Resp: 50130

Ion Ratio Lower Upper

43 100

61 15.0 10.5 15.7

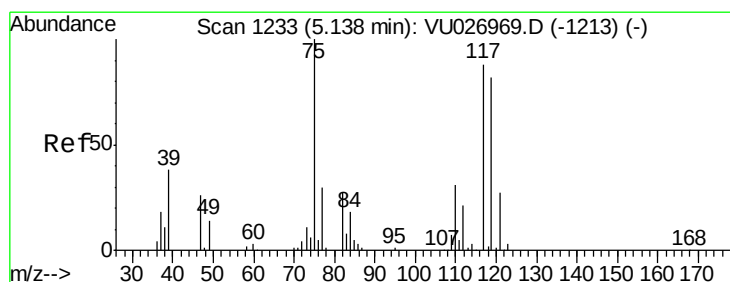
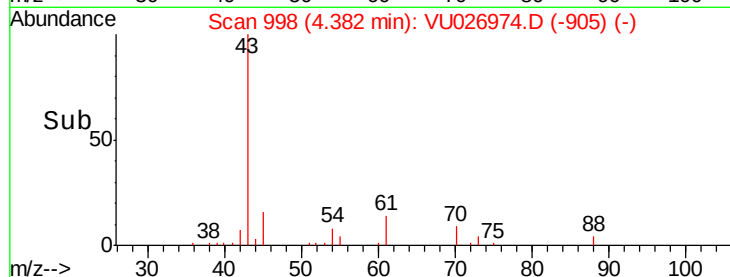
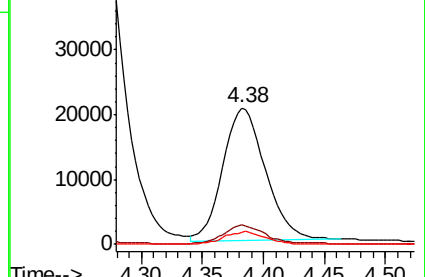
70 9.3 7.4 11.0



Abundance Ion 43.00 (42.70 to 43.70): VU026974.D (-905) (-)

Ion 60.90 (60.60 to 61.60): VU026974.D (-905) (-)

Ion 70.00 (69.70 to 70.70): VU026974.D (-905) (-)



#38

Carbon Tetrachloride

Concen: 18.379 ug/l

RT: 5.14 min Scan# 1233

Delta R.T. 0.00 min

Lab File: VU026974.D

Acq: 21 Sep 2018 18:09

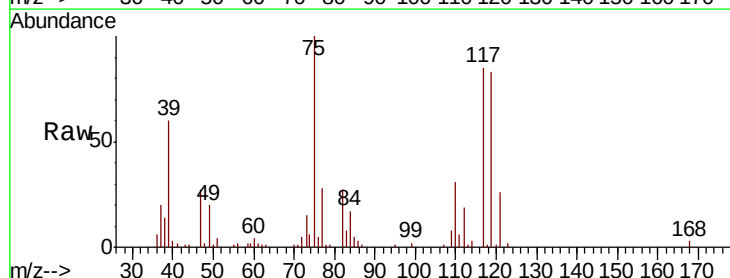
Tgt Ion: 117 Resp: 36739

Ion Ratio Lower Upper

117 100

119 98.3 74.4 111.6

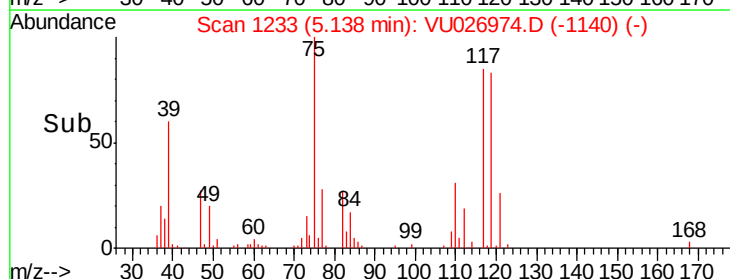
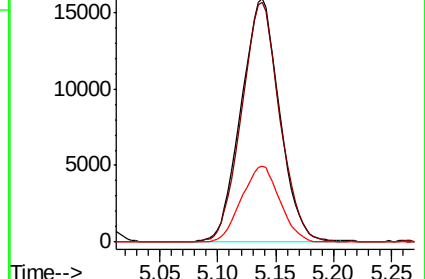
121 31.2 24.2 36.4

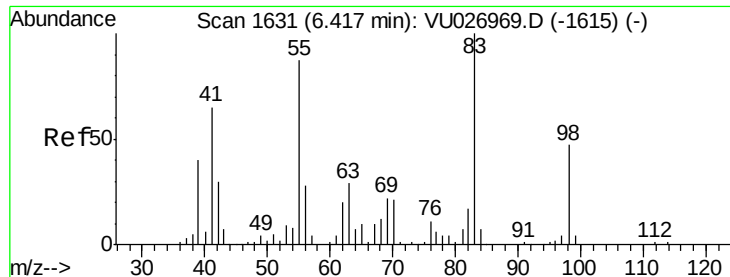


Abundance Ion 116.80 (116.50 to 117.50): VU026974.D (-1140) (-)

Ion 118.80 (118.50 to 119.50): VU026974.D (-1140) (-)

Ion 120.80 (120.50 to 121.50): VU026974.D (-1140) (-)

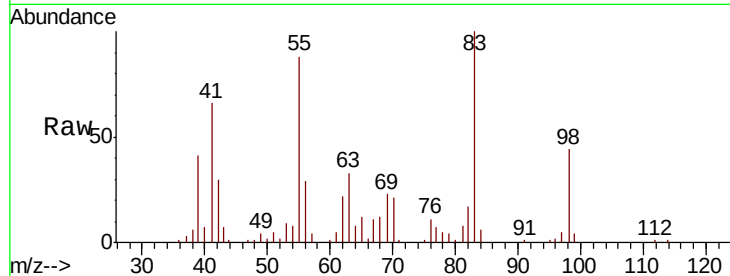




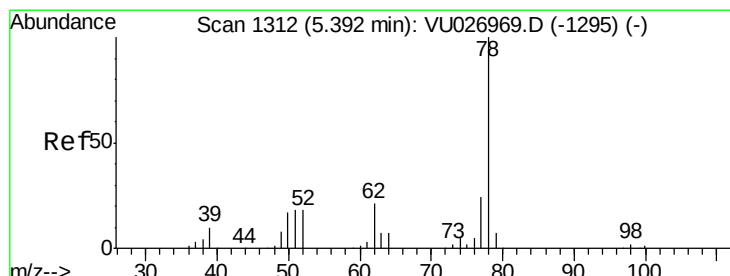
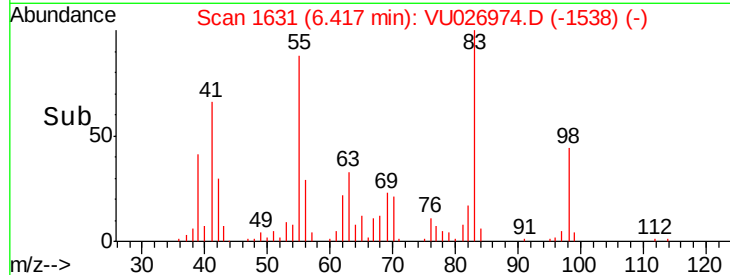
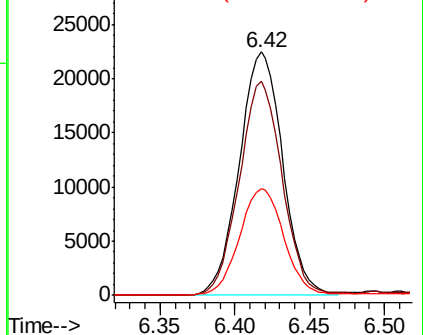
#39
Methylcyclohexane
Concen: 19.893 ug/l
RT: 6.42 min Scan# 1631
Delta R.T. 0.00 min
Lab File: VU026974.D
Acq: 21 Sep 2018 18:09

Instrument :
MSVOA_U
ClientSampleId :
VU0922WBS01

Tgt Ion: 83 Resp: 45408
Ion Ratio Lower Upper
83 100
55 87.8 69.9 104.9
98 43.9 37.5 56.3

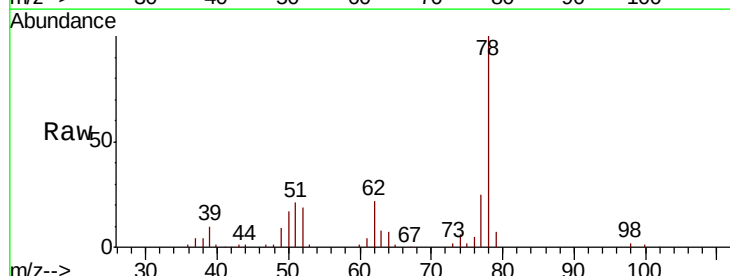


Abundance Ion 83.00 (82.70 to 83.70): VU0
Ion 55.00 (54.70 to 55.70): VU0
Ion 98.00 (97.70 to 98.70): VU0

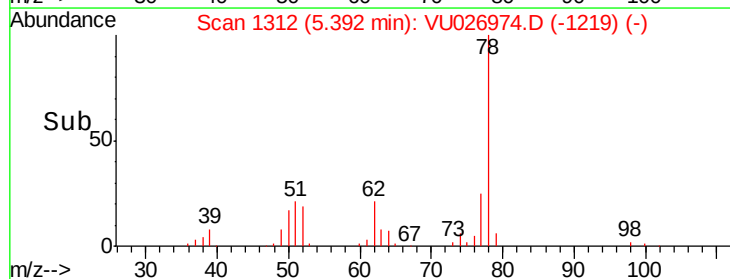
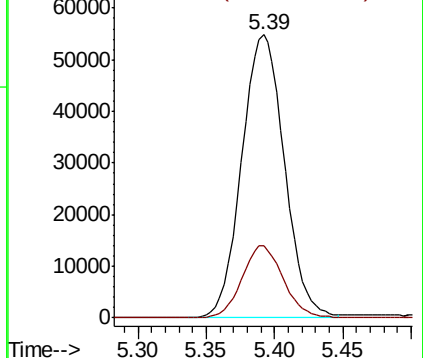


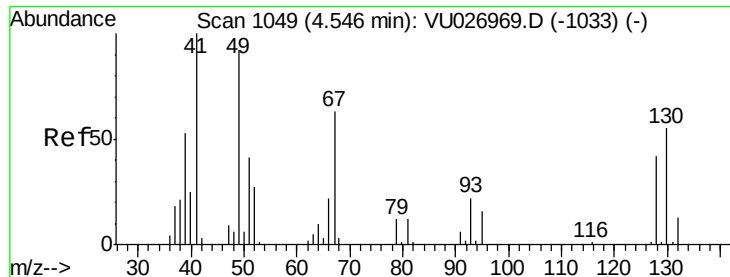
#40
Benzene
Concen: 18.643 ug/l
RT: 5.39 min Scan# 1312
Delta R.T. -0.00 min
Lab File: VU026974.D
Acq: 21 Sep 2018 18:09

Tgt Ion: 78 Resp: 119044
Ion Ratio Lower Upper
78 100
77 25.5 19.4 29.0



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





#41

Methacrylonitrile

Concen: 19.459 ug/l

RT: 4.54 min Scan# 1048

Delta R.T. -0.00 min

Lab File: VU026974.D

Acq: 21 Sep 2018 18:09

Instrument :

MSVOA_U

ClientSampleId :

VU0922WBS01

Tgt Ion: 41 Resp: 28736

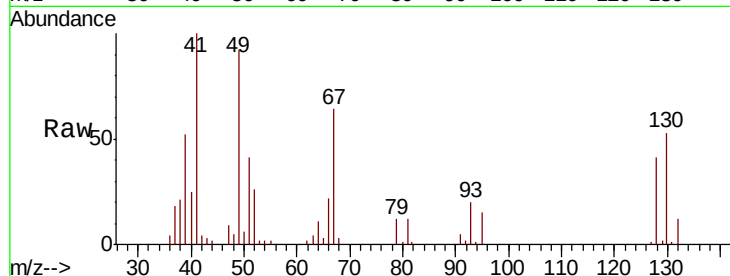
Ion Ratio Lower Upper

41 100

39 54.8 42.9 64.3

67 65.1 52.4 78.6

52 28.3 21.3 31.9

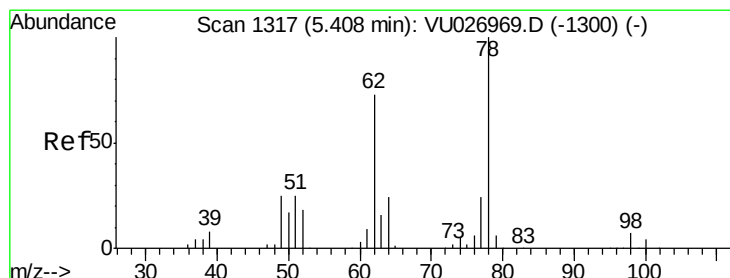
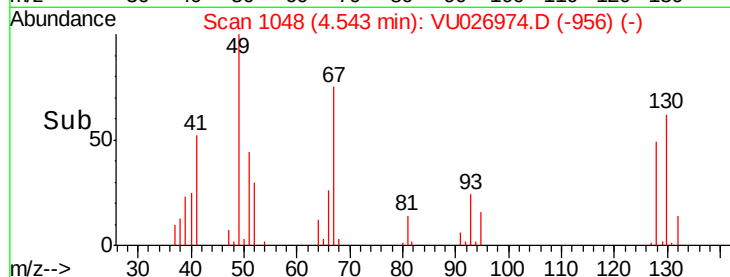
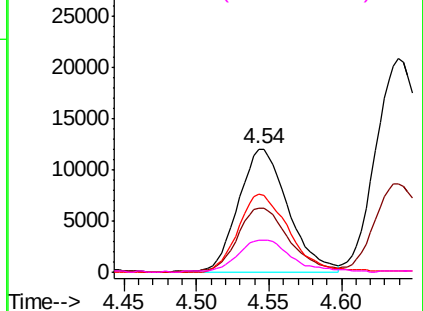


Abundance Ion 41.00 (40.70 to 41.70): VU0

Ion 39.00 (38.70 to 39.70): VU0

Ion 67.00 (66.70 to 67.70): VU0

Ion 52.00 (51.70 to 52.70): VU0



#42

1,2-Dichloroethane

Concen: 18.819 ug/l

RT: 5.40 min Scan# 1316

Delta R.T. -0.00 min

Lab File: VU026974.D

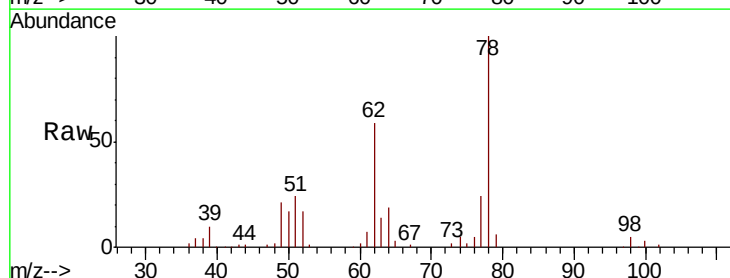
Acq: 21 Sep 2018 18:09

Tgt Ion: 62 Resp: 45401

Ion Ratio Lower Upper

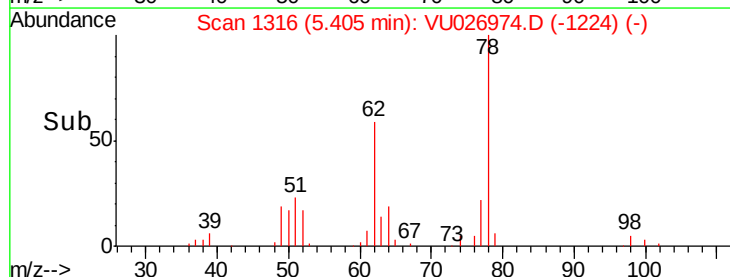
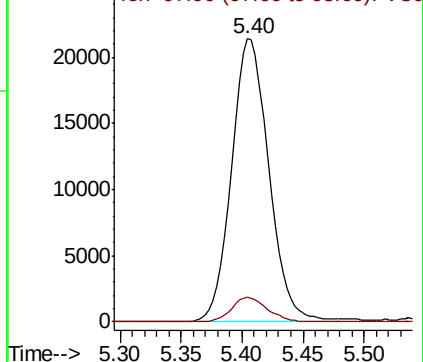
62 100

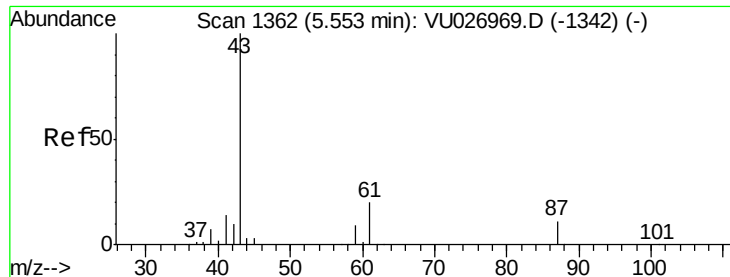
98 8.2 0.0 17.0



Abundance Ion 61.90 (61.60 to 62.60): VU0

Ion 97.90 (97.60 to 98.60): VU0





#43

Isopropyl Acetate

Concen: 19.044 ug/l

RT: 5.55 min Scan# 1361

Delta R.T. -0.00 min

Lab File: VU026974.D

Acq: 21 Sep 2018 18:09

Instrument :

MSVOA_U

ClientSampleId :

VU0922WBS01

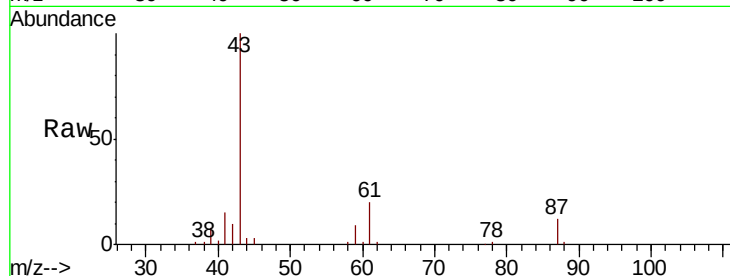
Tgt Ion: 43 Resp: 78973

Ion Ratio Lower Upper

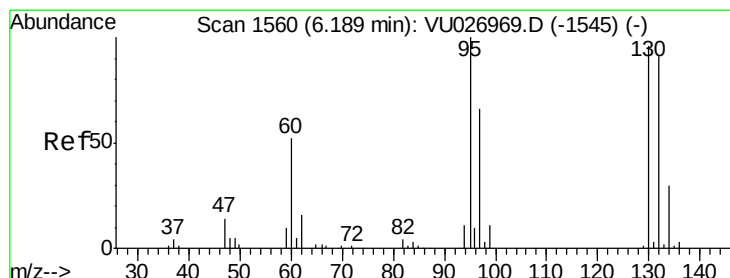
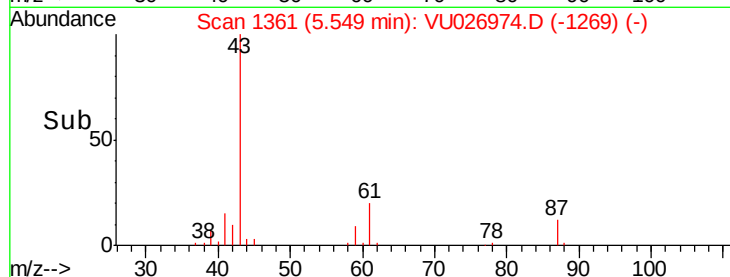
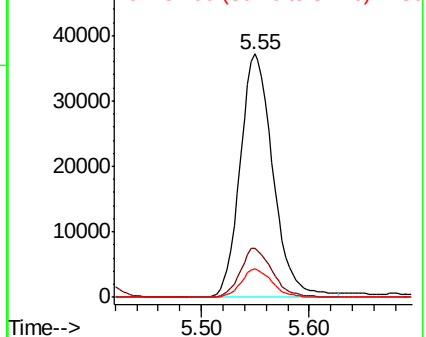
43 100

61 19.5 15.7 23.5

87 10.9 9.0 13.4



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: 18.813 ug/l

RT: 6.19 min Scan# 1560

Delta R.T. 0.00 min

Lab File: VU026974.D

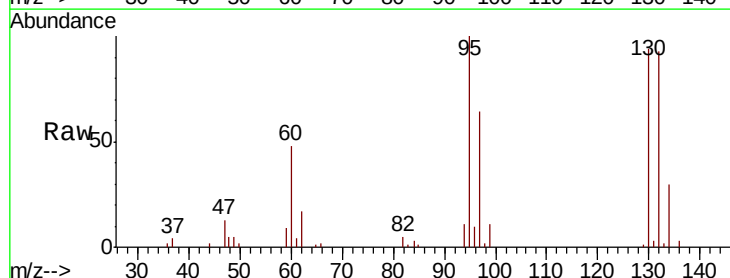
Acq: 21 Sep 2018 18:09

Tgt Ion: 130 Resp: 25575

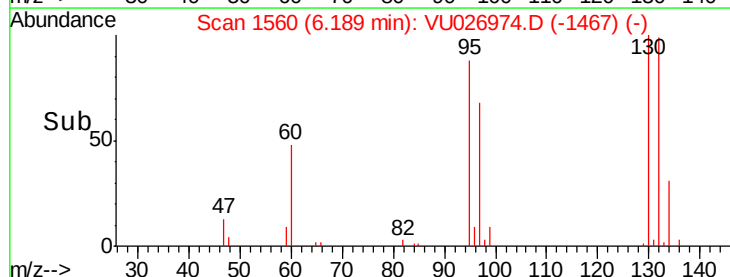
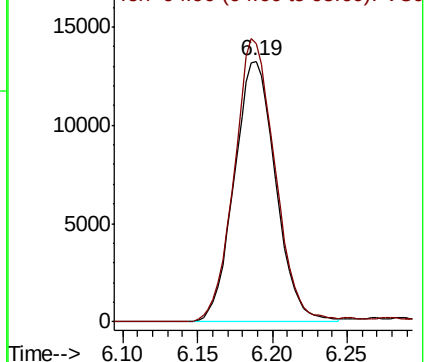
Ion Ratio Lower Upper

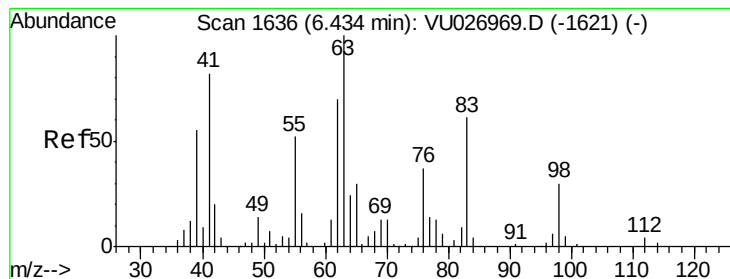
130 100

95 106.7 0.0 208.8



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





#45

1,2-Dichloropropane

Concen: 19.378 ug/l

RT: 6.43 min Scan# 1636

Delta R.T. 0.00 min

Lab File: VU026974.D

Acq: 21 Sep 2018 18:09

Instrument :

MSVOA_U

ClientSampleId :

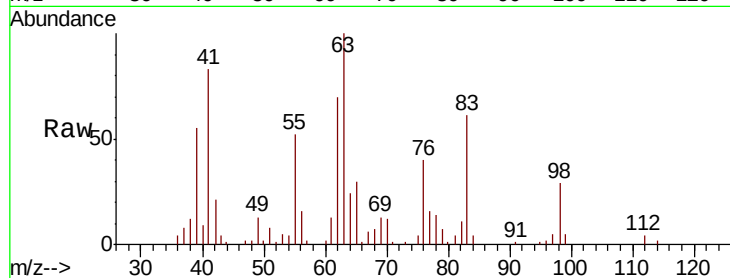
VU0922WBS01

Tgt Ion: 63 Resp: 35257

Ion Ratio Lower Upper

63 100

65 30.4 24.3 36.5



Abundance Ion 62.90 (62.60 to 63.60): VU0

Ion 64.90 (64.60 to 65.60): VU0

6.43

20000

15000

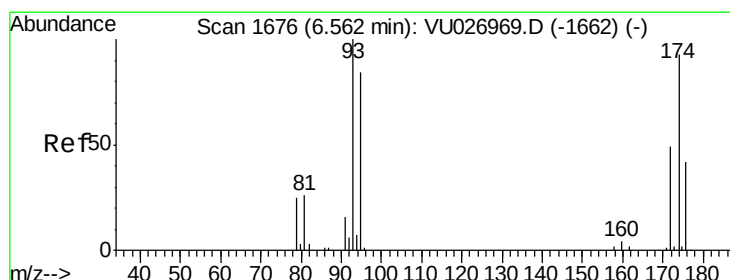
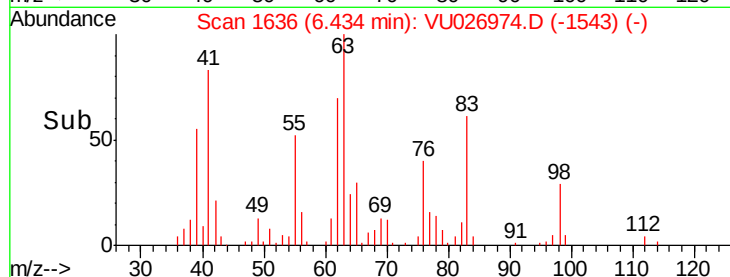
10000

5000

0

6.35 6.40 6.45 6.50

Time-->



#46

Dibromomethane

Concen: 18.904 ug/l

RT: 6.56 min Scan# 1676

Delta R.T. -0.00 min

Lab File: VU026974.D

Acq: 21 Sep 2018 18:09

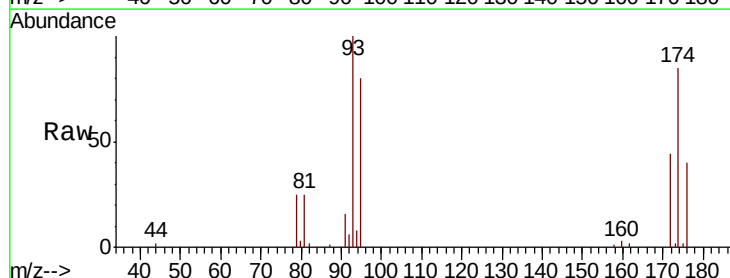
Tgt Ion: 93 Resp: 20773

Ion Ratio Lower Upper

93 100

95 82.6 66.2 99.4

174 88.2 71.7 107.5



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

15000

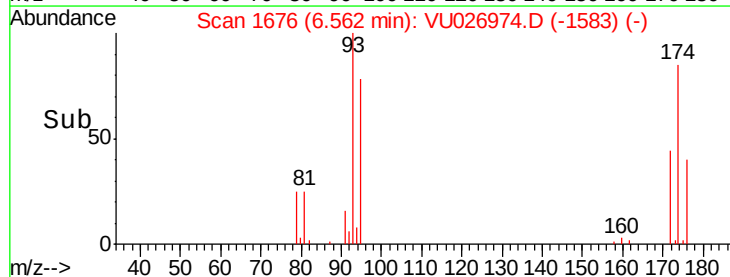
10000

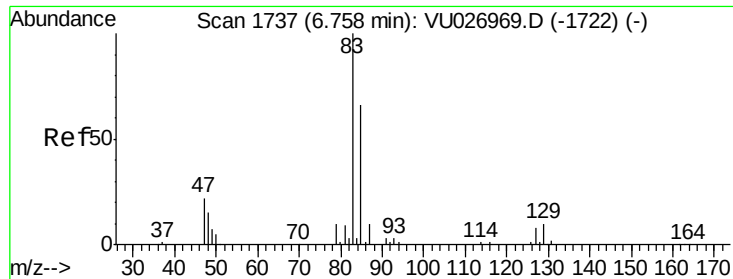
5000

0

6.50 6.55 6.60

Time-->

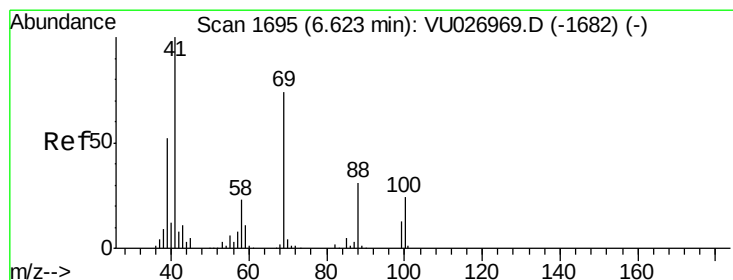
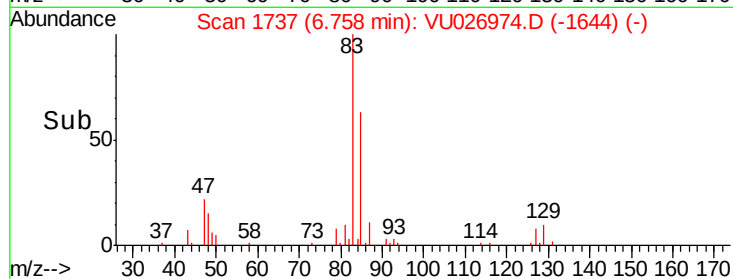
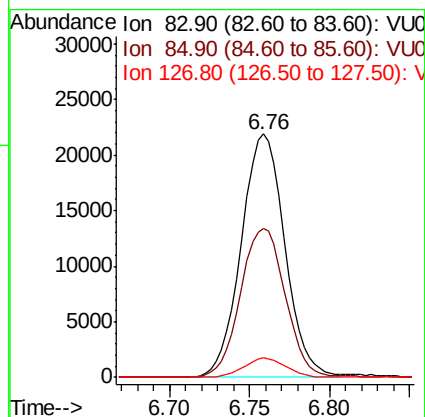
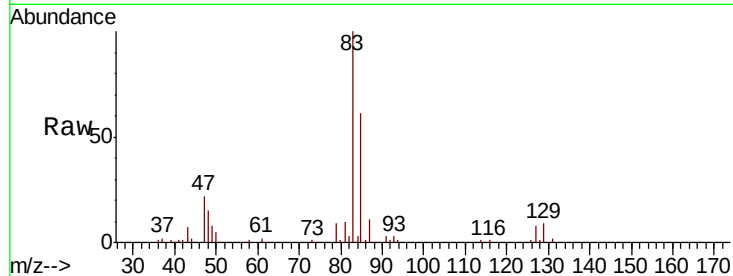




#47
 Bromodichloromethane
 Concen: 18.416 ug/l
 RT: 6.76 min Scan# 1737
 Delta R.T. -0.00 min
 Lab File: VU026974.D
 Acq: 21 Sep 2018 18:09

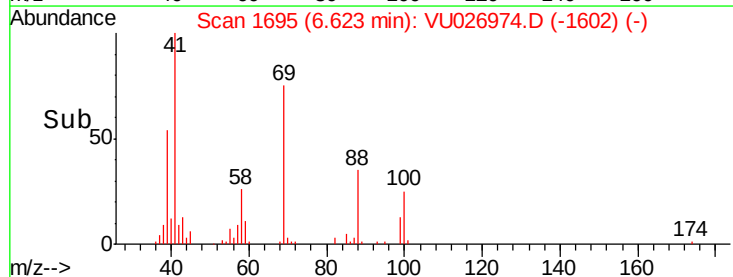
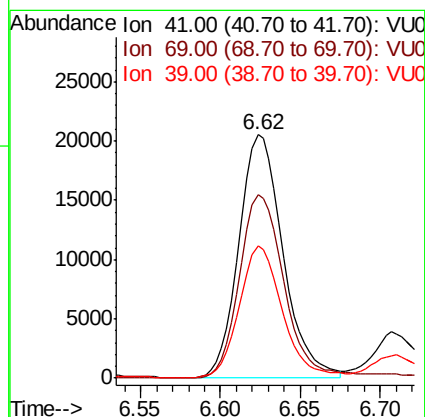
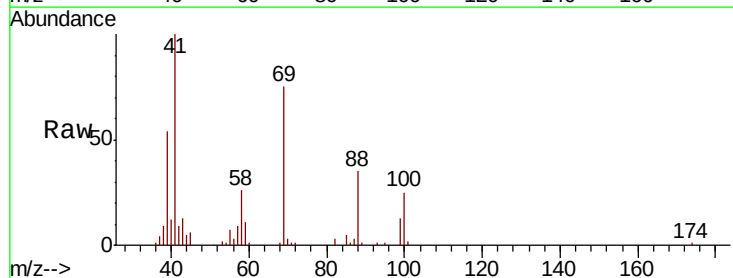
Instrument :
 MSVOA_U
 ClientSampleId :
 VU0922WBS01

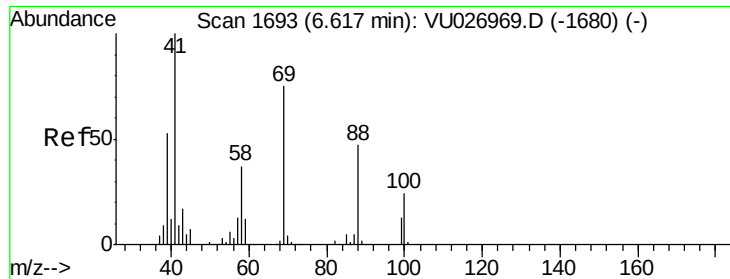
Tgt Ion: 83 Resp: 40920
 Ion Ratio Lower Upper
 83 100
 85 61.3 52.5 78.7
 127 8.1 6.3 9.5



#48
 Methyl methacrylate
 Concen: 17.836 ug/l
 RT: 6.62 min Scan# 1695
 Delta R.T. 0.00 min
 Lab File: VU026974.D
 Acq: 21 Sep 2018 18:09

Tgt Ion: 41 Resp: 38757
 Ion Ratio Lower Upper
 41 100
 69 76.6 60.6 90.8
 39 53.3 42.8 64.2

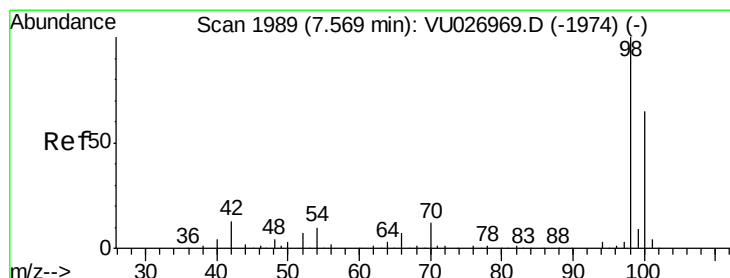
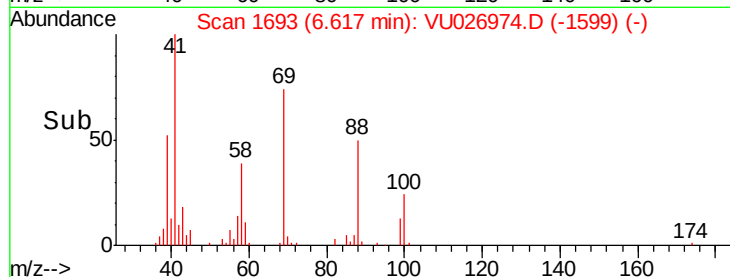
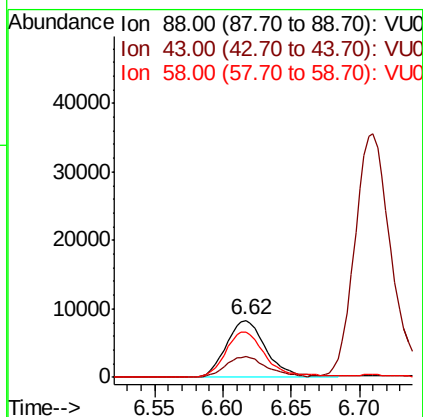
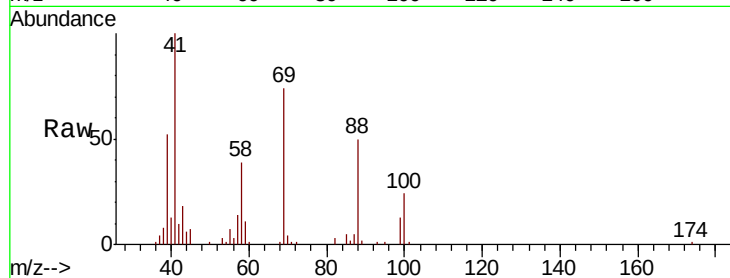




#49
1,4-Dioxane
Concen: 380.233 ug/l
RT: 6.62 min Scan# 1693
Delta R.T. 0.00 min
Lab File: VU026974.D
Acq: 21 Sep 2018 18:09

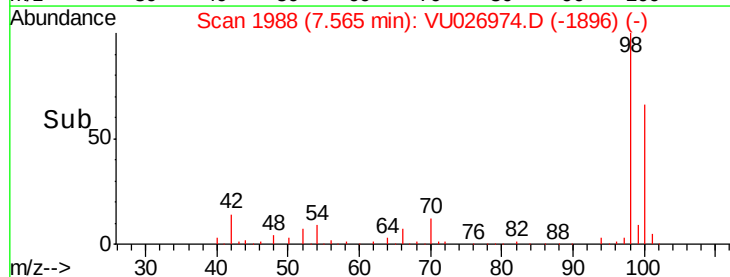
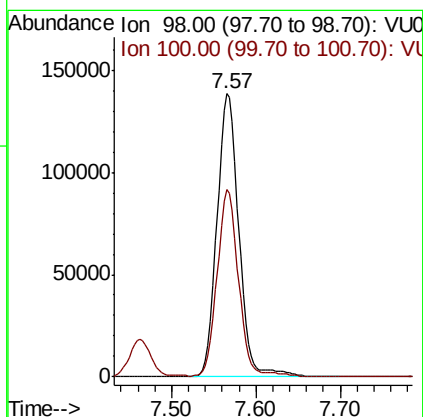
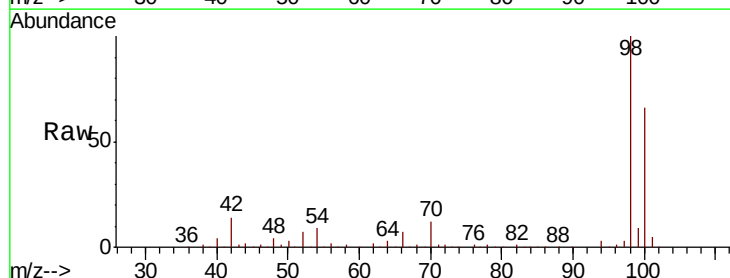
Instrument :
MSVOA_U
ClientSampleId :
VU0922WBS01

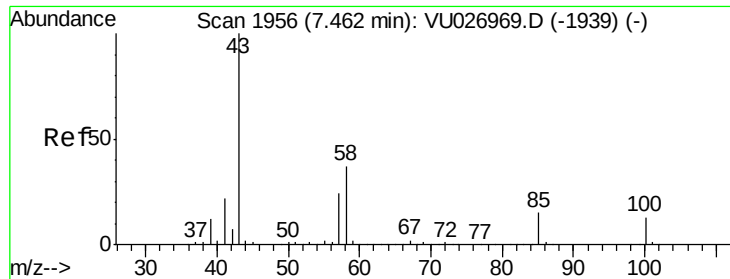
Tgt Ion: 88 Resp: 17092
Ion Ratio Lower Upper
88 100
43 37.1 29.8 44.8
58 78.9 63.9 95.9



#50
Toluene-d8
Concen: 48.059 ug/l
RT: 7.57 min Scan# 1988
Delta R.T. -0.00 min
Lab File: VU026974.D
Acq: 21 Sep 2018 18:09

Tgt Ion: 98 Resp: 249868
Ion Ratio Lower Upper
98 100
100 65.4 52.1 78.1





#51

4-Methyl-2-Pentanone

Concen: 94.992 ug/l

RT: 7.46 min Scan# 1956

Delta R.T. 0.00 min

Lab File: VU026974.D

Acq: 21 Sep 2018 18:09

Instrument :

MSVOA_U

ClientSampleId :

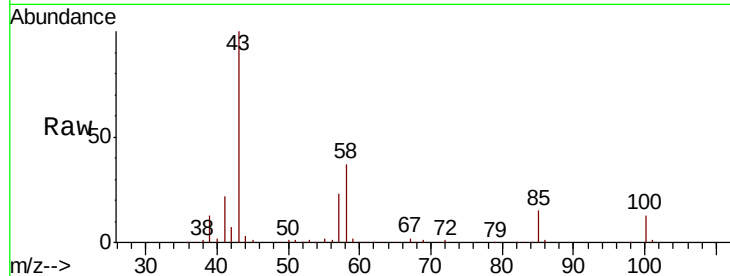
VU0922WBS01

Tgt Ion: 43 Resp: 264940

Ion Ratio Lower Upper

43 100

58 37.4 29.8 44.6



Abundance Ion 43.00 (42.70 to 43.70): VU026974.D (-1863) (-)

Ion 58.00 (57.70 to 58.70): VU026974.D (-1863) (-)

7.46

150000

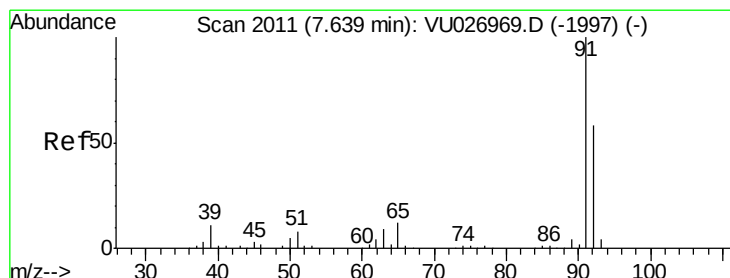
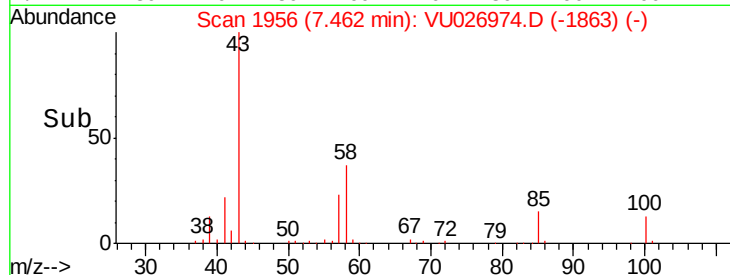
100000

50000

0

7.40 7.50

Time-->



#52

Toluene

Concen: 18.976 ug/l

RT: 7.64 min Scan# 2011

Delta R.T. 0.00 min

Lab File: VU026974.D

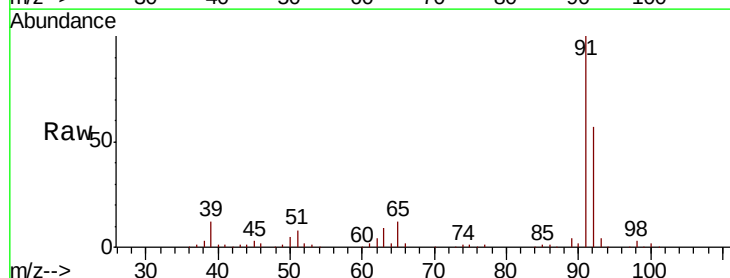
Acq: 21 Sep 2018 18:09

Tgt Ion: 92 Resp: 69457

Ion Ratio Lower Upper

92 100

91 179.7 136.4 204.6



Abundance Ion 92.00 (91.70 to 92.70): VU026974.D (-1918) (-)

Ion 91.00 (90.70 to 91.70): VU026974.D (-1918) (-)

7.64

80000

60000

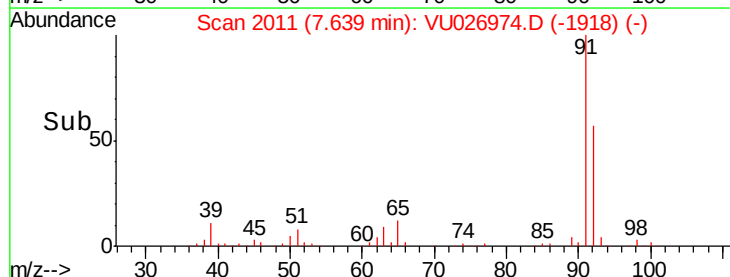
40000

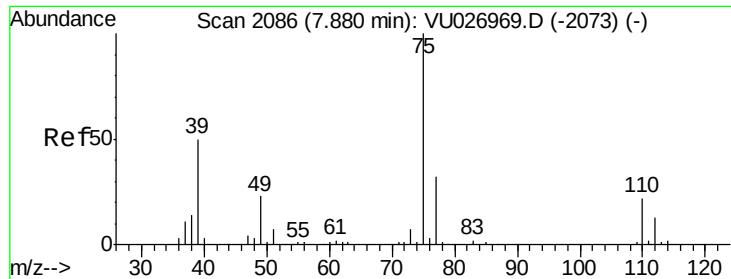
20000

0

7.60 7.65 7.70

Time-->





#53

t-1,3-Dichloropropene

Concen: 19.601 ug/l

RT: 7.88 min Scan# 2086

Delta R.T. 0.00 min

Lab File: VU026974.D

Acq: 21 Sep 2018 18:09

Instrument :

MSVOA_U

ClientSampleId :

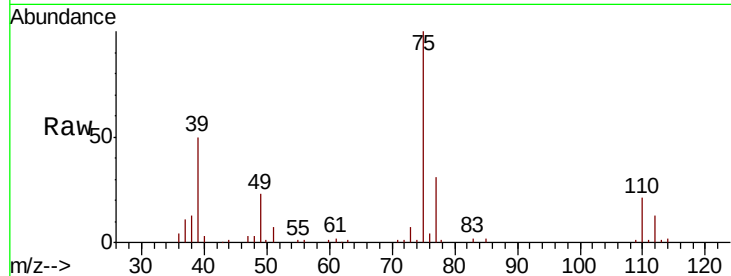
VU0922WBS01

Tgt Ion: 75 Resp: 46792

Ion Ratio Lower Upper

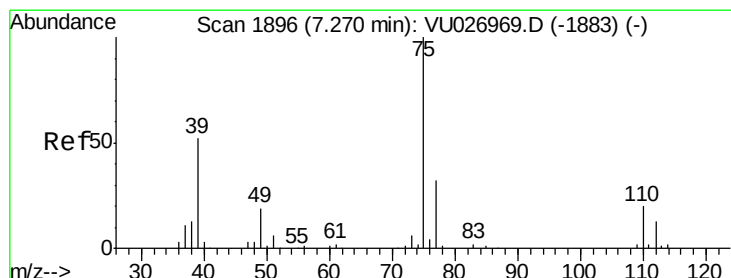
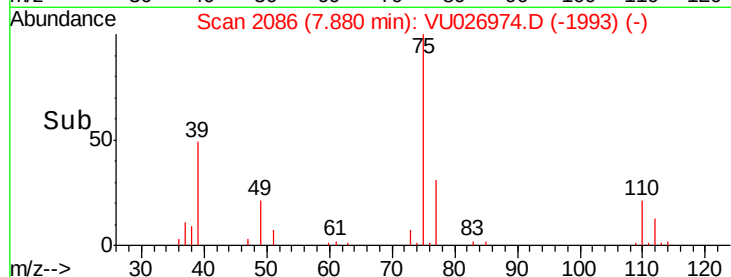
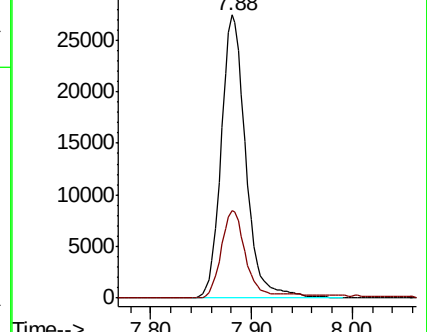
75 100

77 30.7 25.3 37.9



Abundance Ion 74.90 (74.60 to 75.60): VU0

Ion 76.90 (76.60 to 77.60): VU0



#54

cis-1,3-Dichloropropene

Concen: 18.855 ug/l

RT: 7.27 min Scan# 1896

Delta R.T. -0.00 min

Lab File: VU026974.D

Acq: 21 Sep 2018 18:09

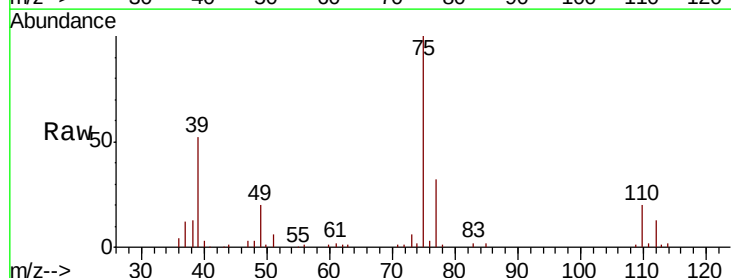
Tgt Ion: 75 Resp: 49491

Ion Ratio Lower Upper

75 100

77 31.8 25.4 38.0

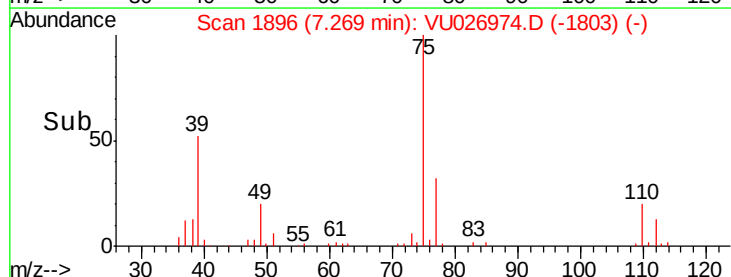
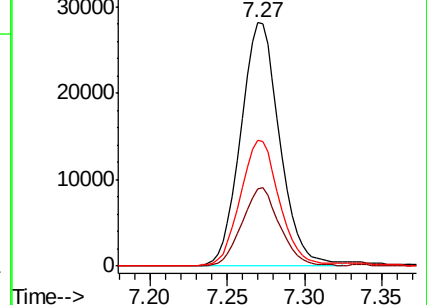
39 51.5 41.6 62.4

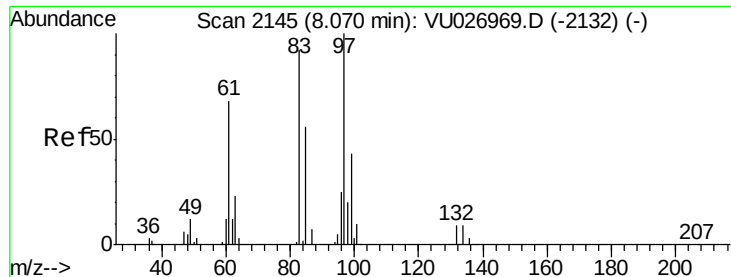


Abundance Ion 74.90 (74.60 to 75.60): VU0

Ion 76.90 (76.60 to 77.60): VU0

Ion 39.00 (38.70 to 39.70): VU0

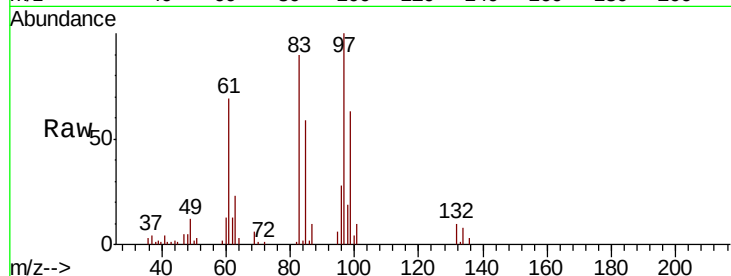




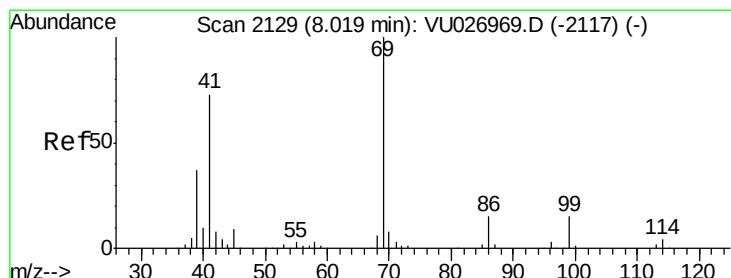
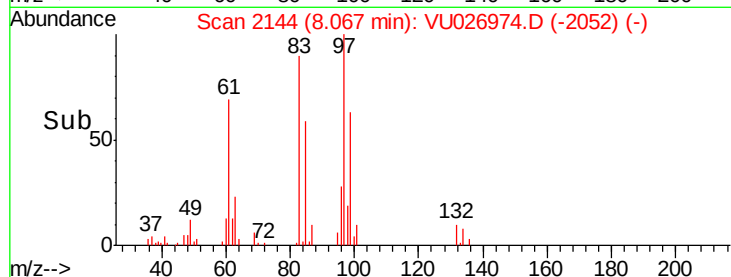
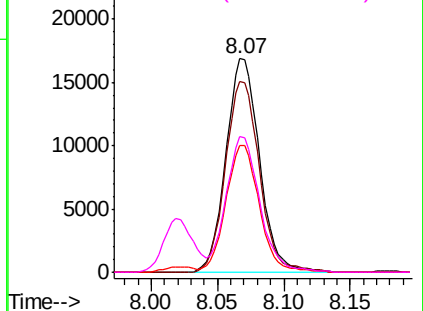
#55
 1,1,2-Trichloroethane
 Concen: 19.142 ug/l
 RT: 8.07 min Scan# 2144
 Delta R.T. -0.00 min
 Lab File: VU026974.D
 Acq: 21 Sep 2018 18:09

Instrument :
 MSVOA_U
 ClientSampleId :
 VU0922WBS01

Tgt Ion: 97 Resp: 29688
 Ion Ratio Lower Upper
 97 100
 83 89.6 73.1 109.7
 85 59.5 46.7 70.1
 99 63.2 50.0 75.0

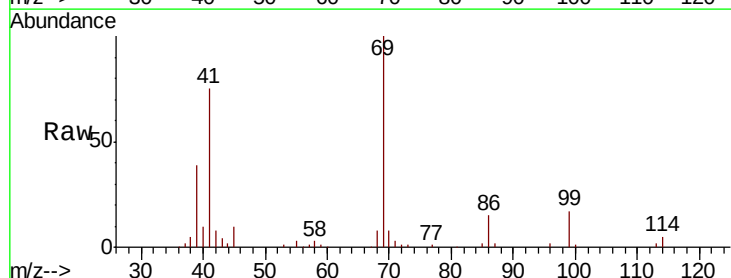


Abundance Ion 96.90 (96.60 to 97.60): VU0
 Ion 82.90 (82.60 to 83.60): VU0
 Ion 84.90 (84.60 to 85.60): VU0
 Ion 98.90 (98.60 to 99.60): VU0

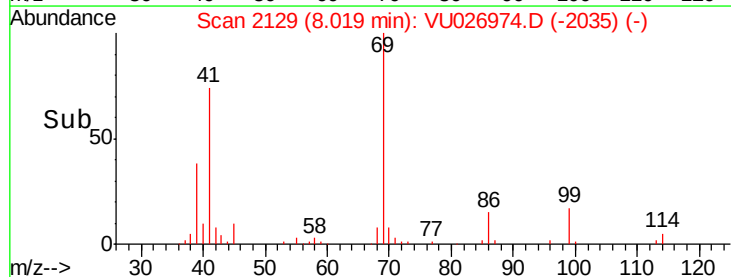
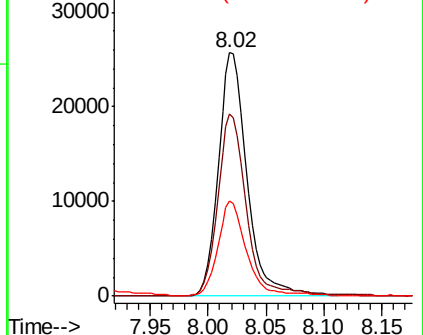


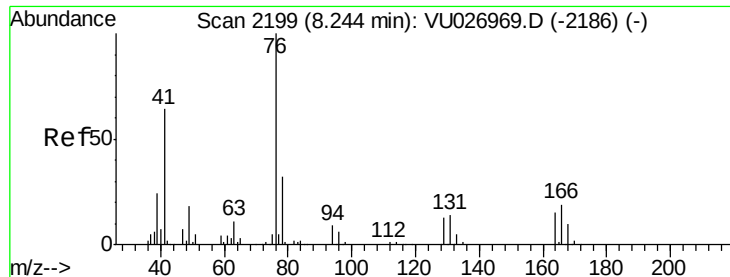
#56
 Ethyl methacrylate
 Concen: 18.040 ug/l
 RT: 8.02 min Scan# 2129
 Delta R.T. 0.00 min
 Lab File: VU026974.D
 Acq: 21 Sep 2018 18:09

Tgt Ion: 69 Resp: 44598
 Ion Ratio Lower Upper
 69 100
 41 75.0 59.0 88.4
 39 39.1 30.2 45.4



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

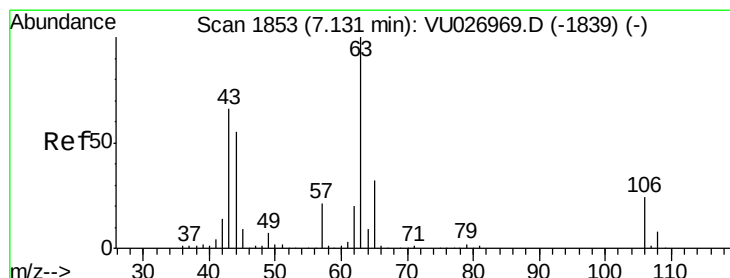
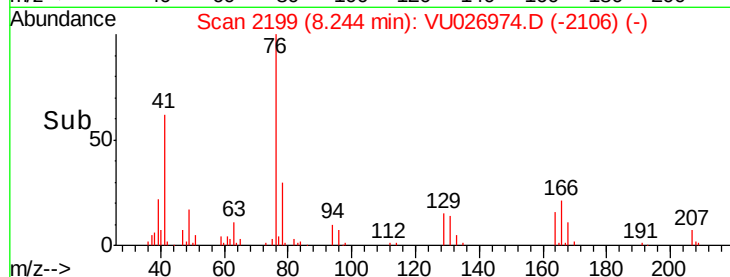
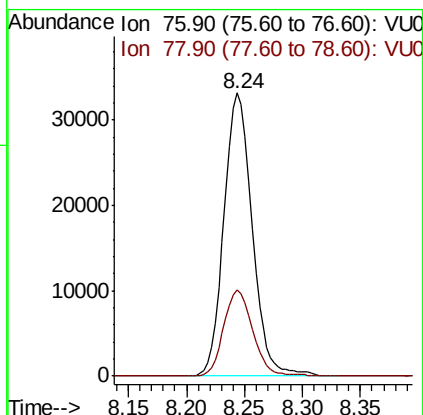
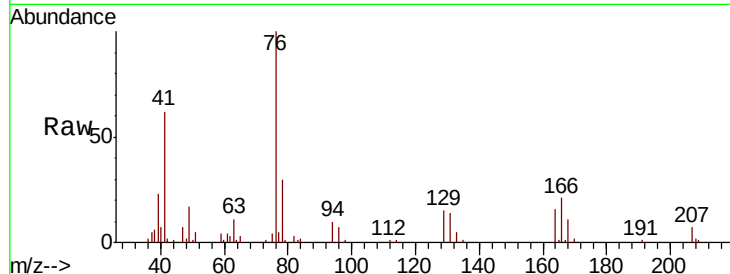




#57
 1,3-Dichloropropane
 Concen: 19.437 ug/l
 RT: 8.24 min Scan# 2199
 Delta R.T. 0.00 min
 Lab File: VU026974.D
 Acq: 21 Sep 2018 18:09

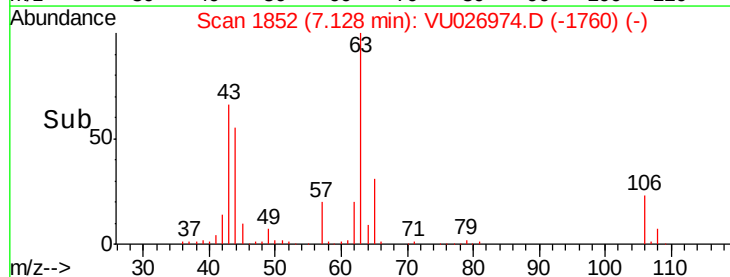
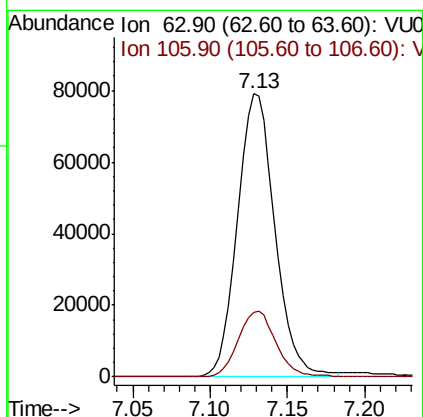
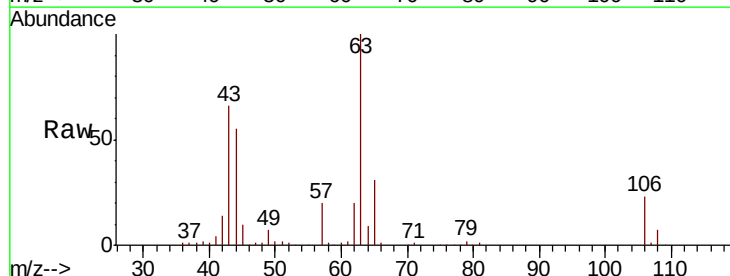
Instrument :
 MSVOA_U
 ClientSampleId :
 VU0922WBS01

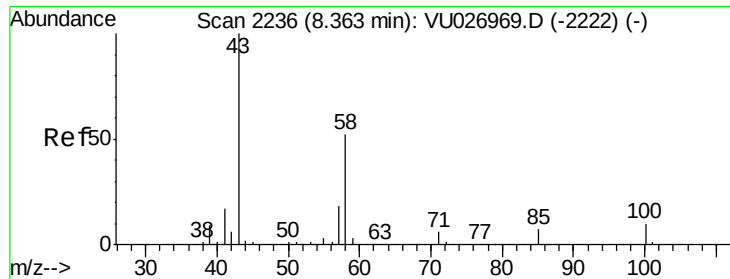
Tgt Ion: 76 Resp: 56066
 Ion Ratio Lower Upper
 76 100
 78 31.0 25.5 38.3



#58
 2-Chloroethyl Vinyl ether
 Concen: 90.535 ug/l
 RT: 7.13 min Scan# 1852
 Delta R.T. -0.00 min
 Lab File: VU026974.D
 Acq: 21 Sep 2018 18:09

Tgt Ion: 63 Resp: 133434
 Ion Ratio Lower Upper
 63 100
 106 23.4 18.7 28.1

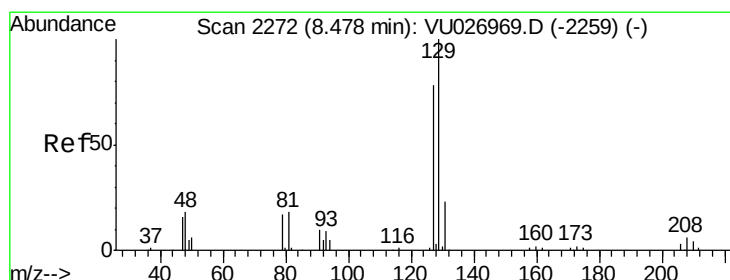
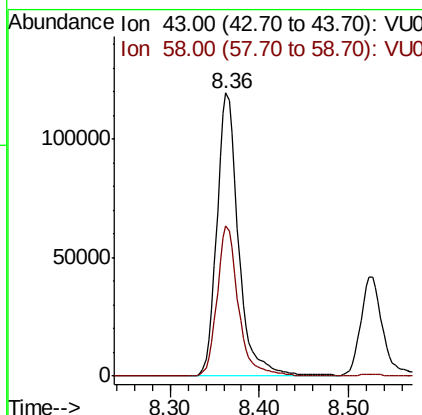
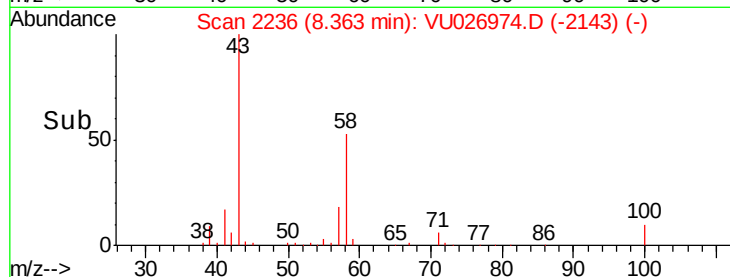
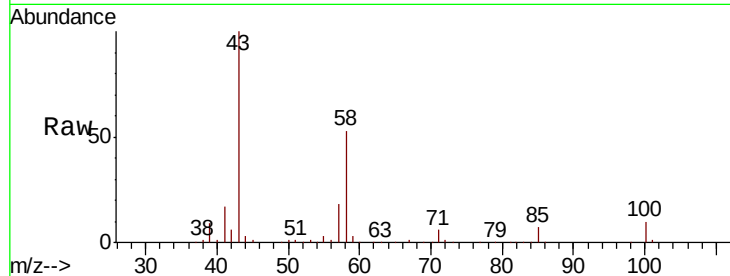




#59
 2-Hexanone
 Concen: 92.297 ug/l
 RT: 8.36 min Scan# 2236
 Delta R.T. 0.00 min
 Lab File: VU026974.D
 Acq: 21 Sep 2018 18:09

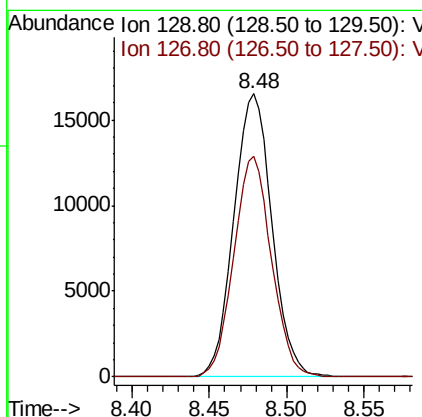
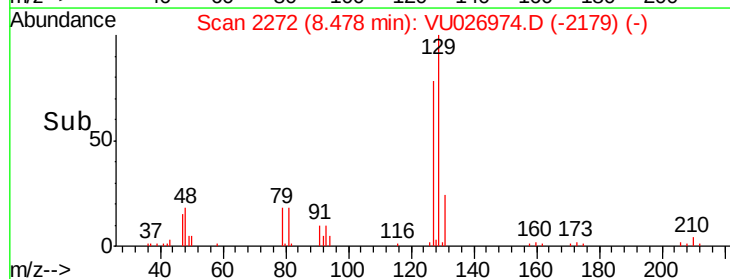
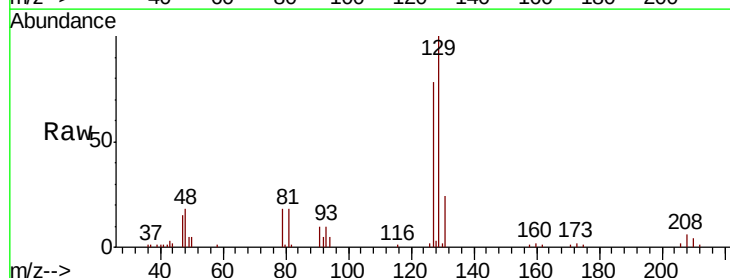
Instrument :
 MSVOA_U
 ClientSampleId :
 VU0922WBS01

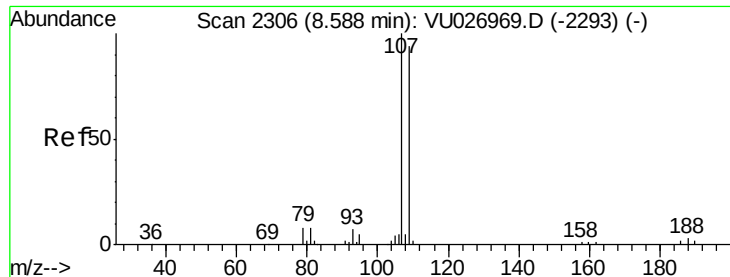
Tgt Ion: 43 Resp: 201505
 Ion Ratio Lower Upper
 43 100
 58 52.0 26.1 78.2



#60
 Dibromochloromethane
 Concen: 18.597 ug/l
 RT: 8.48 min Scan# 2272
 Delta R.T. 0.00 min
 Lab File: VU026974.D
 Acq: 21 Sep 2018 18:09

Tgt Ion: 129 Resp: 28291
 Ion Ratio Lower Upper
 129 100
 127 76.6 38.1 114.5





#61

1,2-Dibromoethane

Concen: 18.811 ug/l

RT: 8.59 min Scan# 2306

Delta R.T. 0.00 min

Lab File: VU026974.D

Acq: 21 Sep 2018 18:09

Instrument :

MSVOA_U

ClientSampleId :

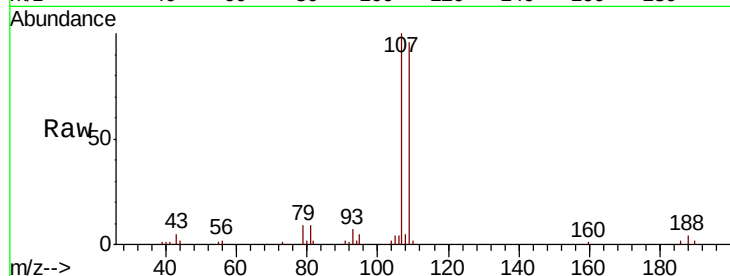
VU0922WBS01

Tgt Ion: 107 Resp: 30354

Ion Ratio Lower Upper

107 100

109 92.8 75.0 112.6



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V

8.59

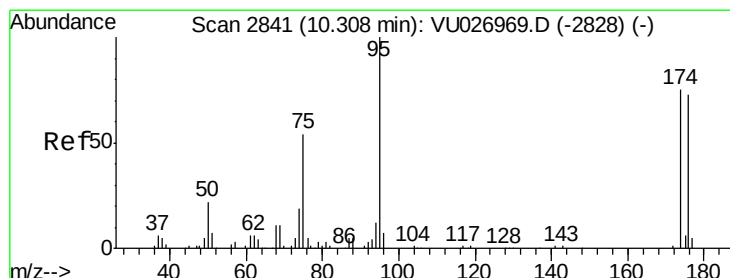
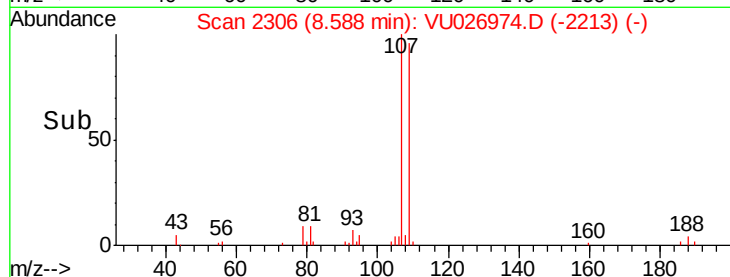
15000

10000

5000

0

Time--> 8.50 8.55 8.60 8.65



#62

4-Bromofluorobenzene

Concen: 48.334 ug/l

RT: 10.31 min Scan# 2841

Delta R.T. -0.00 min

Lab File: VU026974.D

Acq: 21 Sep 2018 18:09

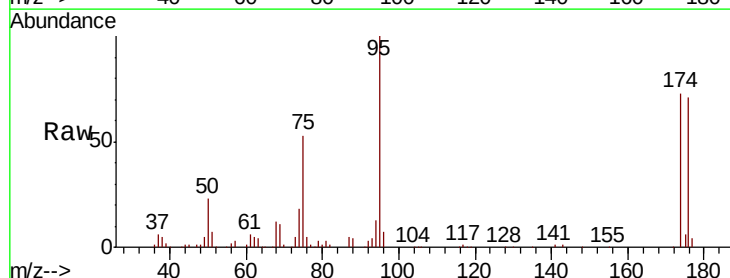
Tgt Ion: 95 Resp: 86227

Ion Ratio Lower Upper

95 100

174 74.2 0.0 150.2

176 71.5 0.0 145.2



Abundance Ion 94.90 (94.60 to 95.60): VU0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

10.31

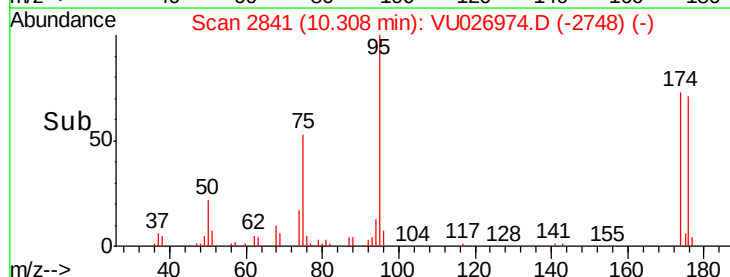
60000

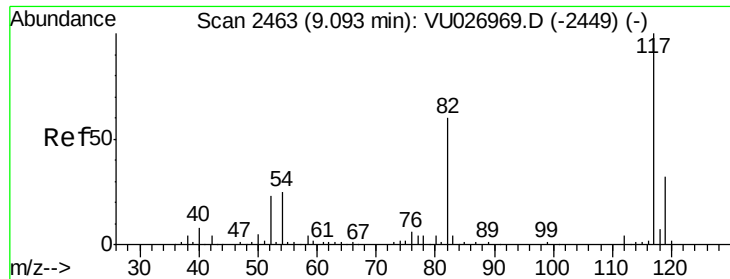
40000

20000

0

Time--> 10.25 10.30 10.35 10.40

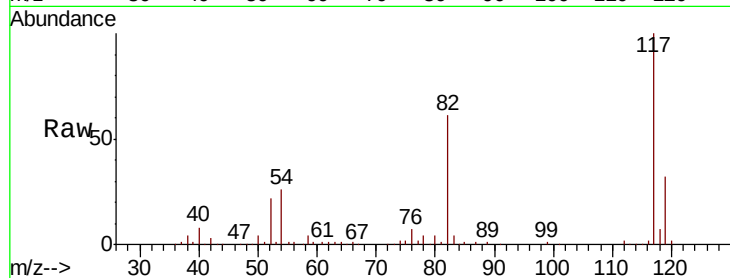




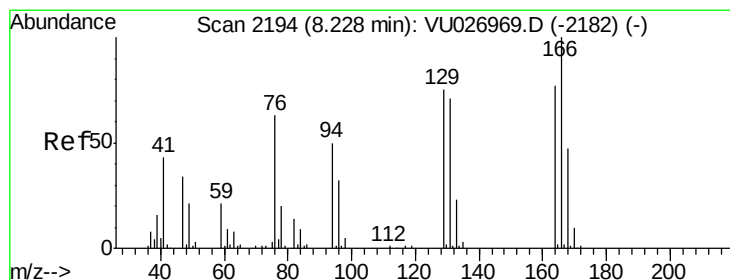
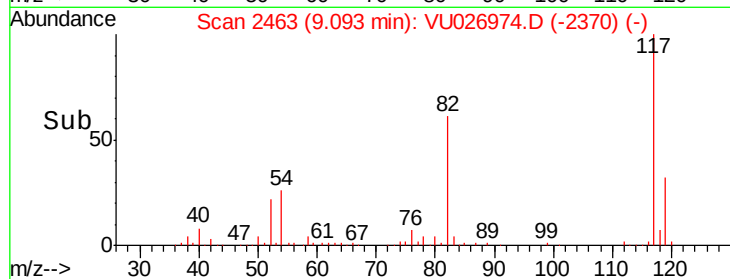
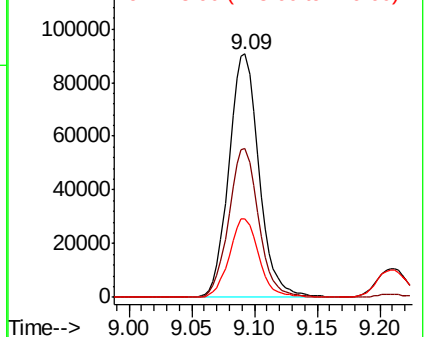
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.09 min Scan# 2463
Delta R.T. 0.00 min
Lab File: VU026974.D
Acq: 21 Sep 2018 18:09

Instrument :
MSVOA_U
ClientSampleId :
VU0922WBS01

Tgt Ion:117 Resp: 151149
Ion Ratio Lower Upper
117 100
82 61.0 48.0 72.0
119 32.4 25.8 38.8

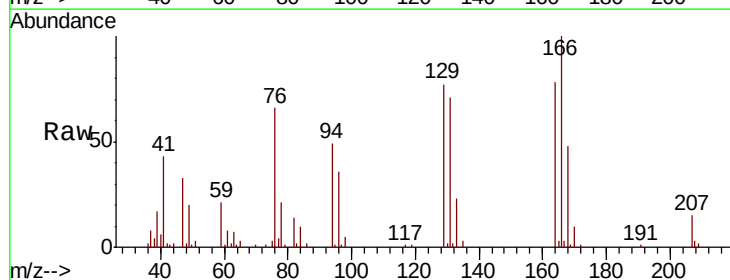


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VU0
Ion 118.90 (118.60 to 119.60): V

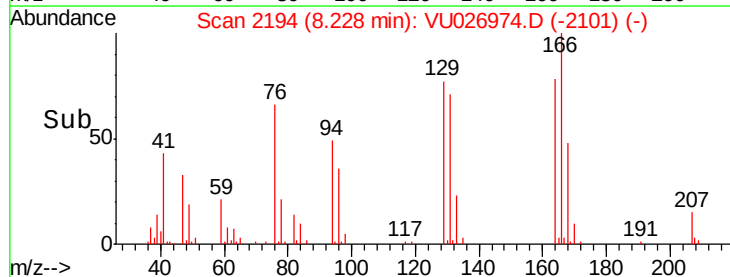
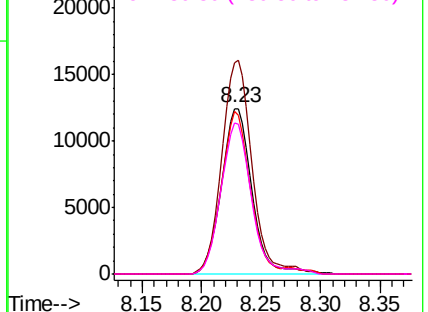


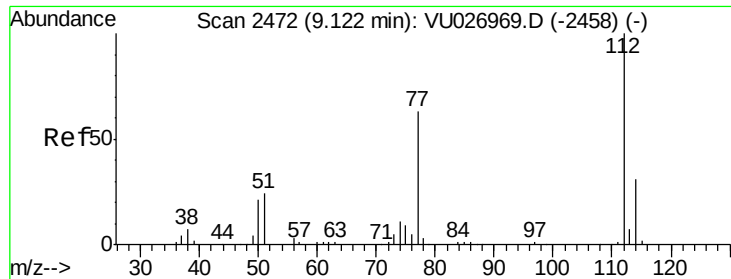
#64
Tetrachloroethene
Concen: 18.946 ug/l
RT: 8.23 min Scan# 2194
Delta R.T. 0.00 min
Lab File: VU026974.D
Acq: 21 Sep 2018 18:09

Tgt Ion:164 Resp: 22066
Ion Ratio Lower Upper
164 100
166 127.7 104.4 156.6
129 98.0 78.7 118.1
131 91.2 73.9 110.9



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

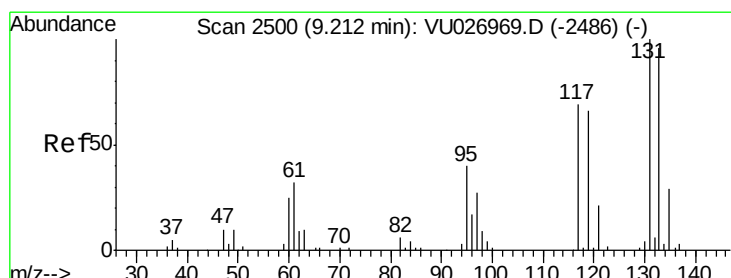
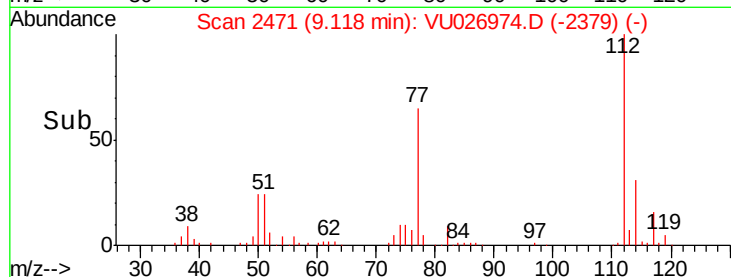
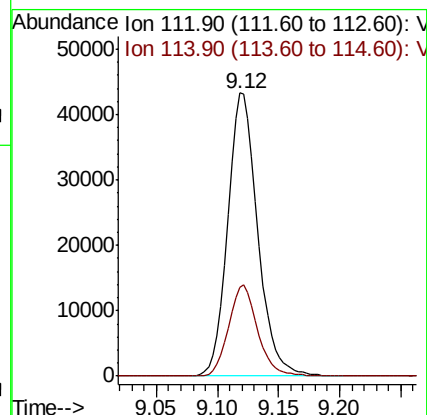
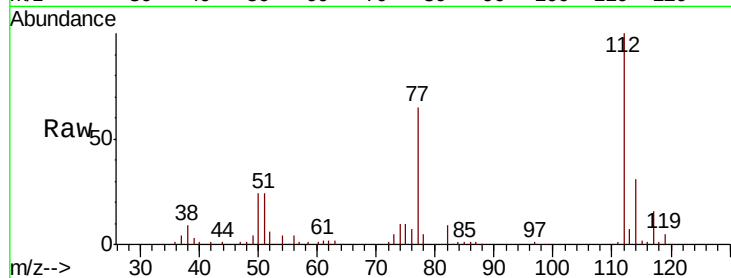




#65
Chlorobenzene
Concen: 18.638 ug/l
RT: 9.12 min Scan# 2471
Delta R.T. -0.00 min
Lab File: VU026974.D
Acq: 21 Sep 2018 18:09

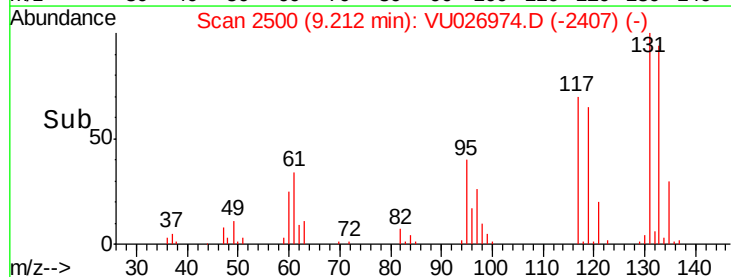
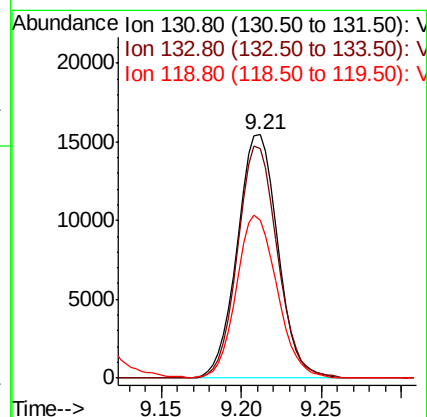
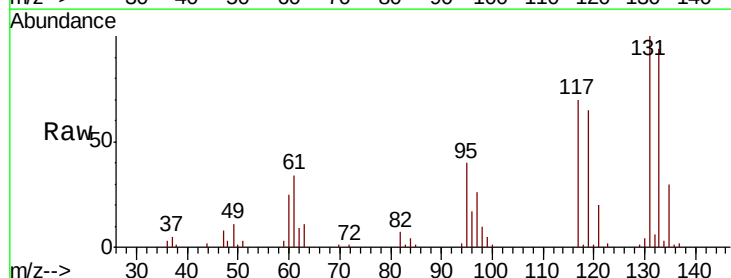
Instrument :
MSVOA_U
ClientSampleId :
VU0922WBS01

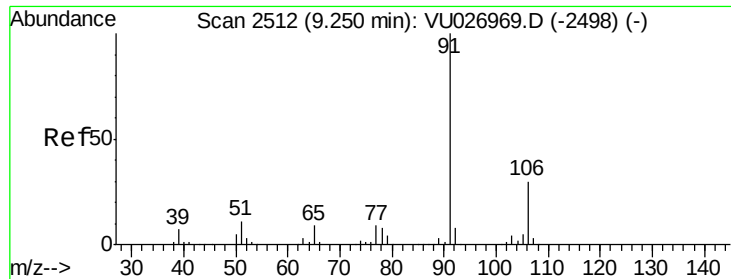
Tgt Ion:112 Resp: 74696
Ion Ratio Lower Upper
112 100
114 31.5 25.0 37.6



#66
1,1,1,2-Tetrachloroethane
Concen: 19.365 ug/l
RT: 9.21 min Scan# 2500
Delta R.T. 0.00 min
Lab File: VU026974.D
Acq: 21 Sep 2018 18:09

Tgt Ion:131 Resp: 26731
Ion Ratio Lower Upper
131 100
133 93.6 48.0 144.2
119 67.0 33.4 100.1

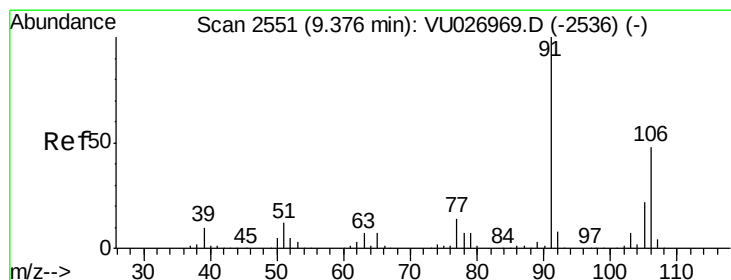
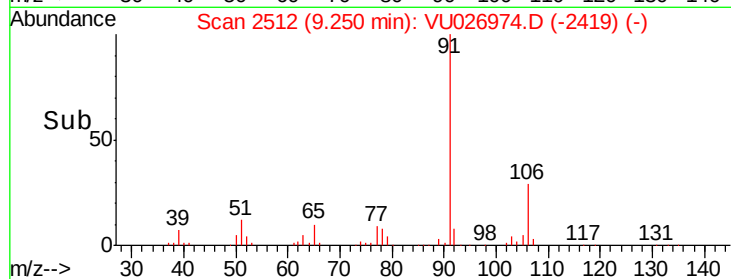
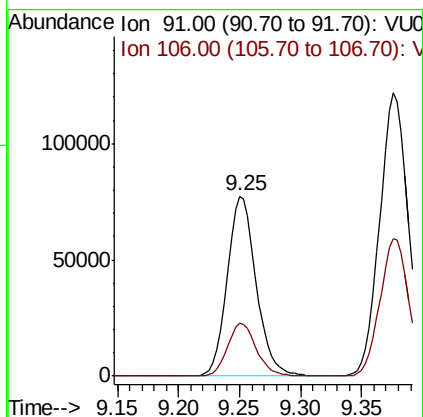
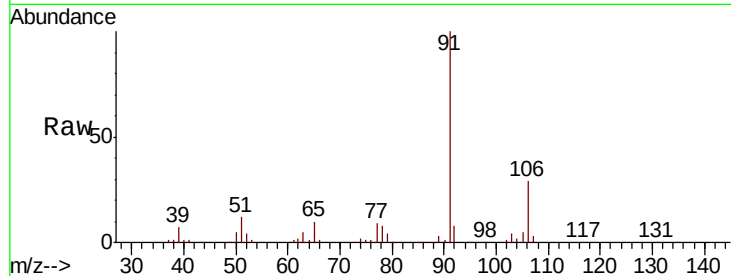




#67
Ethyl Benzene
 Concen: 19.554 ug/l
 RT: 9.25 min Scan# 2512
 Delta R.T. 0.00 min
 Lab File: VU026974.D
 Acq: 21 Sep 2018 18:09

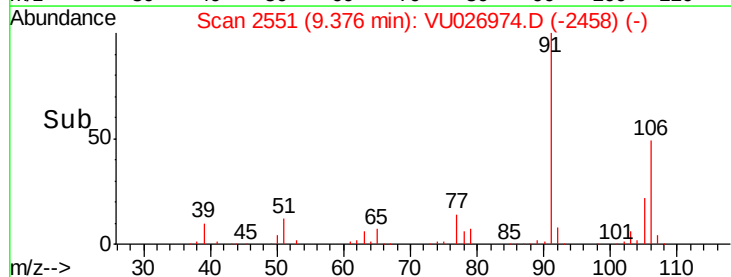
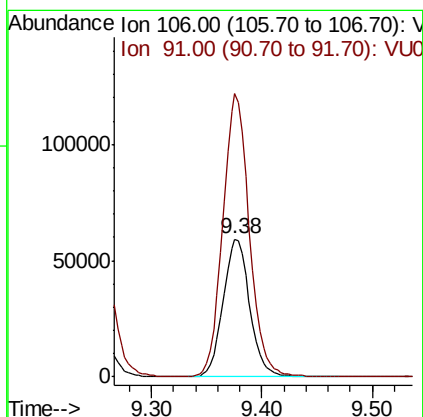
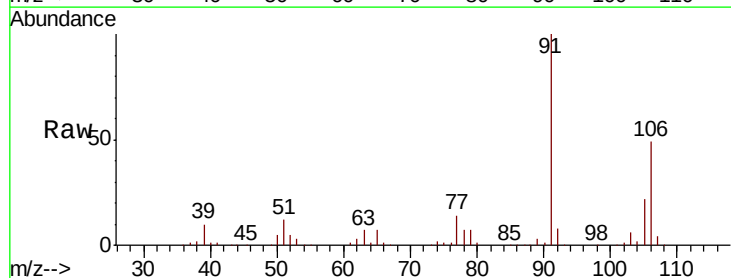
Instrument :
 MSVOA_U
 ClientSampleId :
 VU0922WBS01

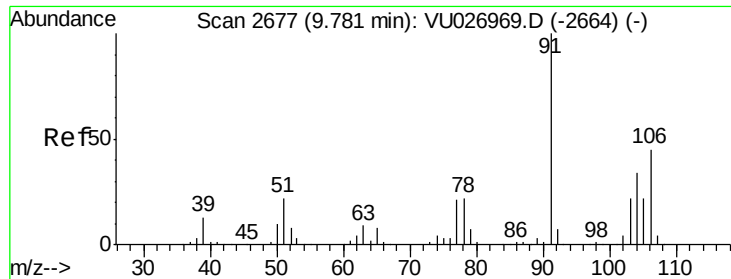
Tgt Ion: 91 Resp: 128869
 Ion Ratio Lower Upper
 91 100
 106 29.3 23.8 35.8



#68
m/p-Xylenes
 Concen: 38.039 ug/l
 RT: 9.38 min Scan# 2551
 Delta R.T. 0.00 min
 Lab File: VU026974.D
 Acq: 21 Sep 2018 18:09

Tgt Ion: 106 Resp: 99006
 Ion Ratio Lower Upper
 106 100
 91 204.1 166.5 249.7

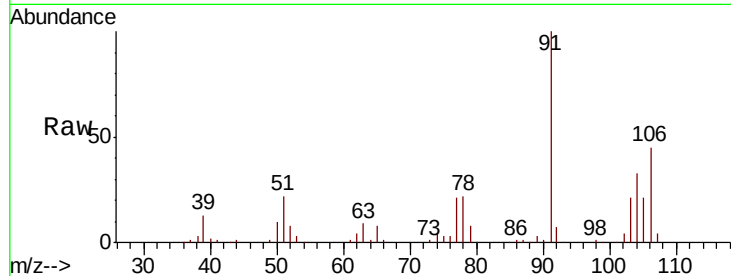




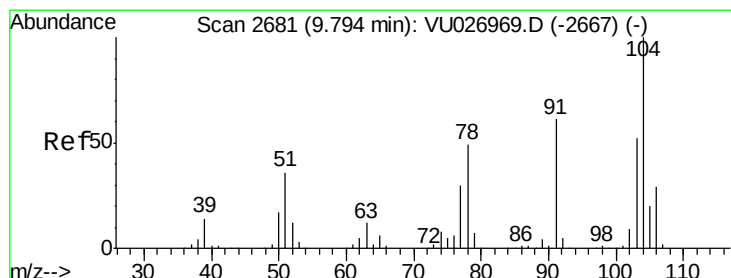
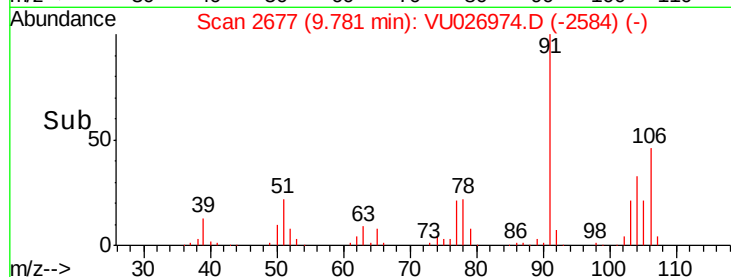
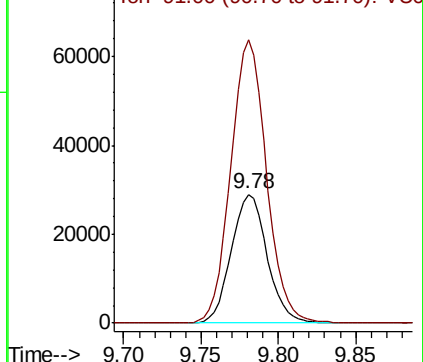
#69
o-Xylene
Concen: 19.967 ug/l
RT: 9.78 min Scan# 2677
Delta R.T. 0.00 min
Lab File: VU026974.D
Acq: 21 Sep 2018 18:09

Instrument :
MSVOA_U
ClientSampleId :
VU0922WBS01

Tgt Ion:106 Resp: 46623
Ion Ratio Lower Upper
106 100
91 218.4 110.2 330.6

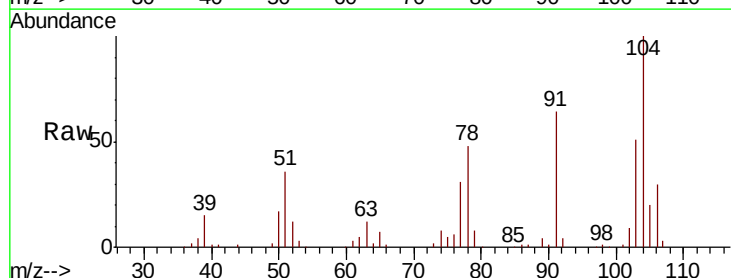


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VU0

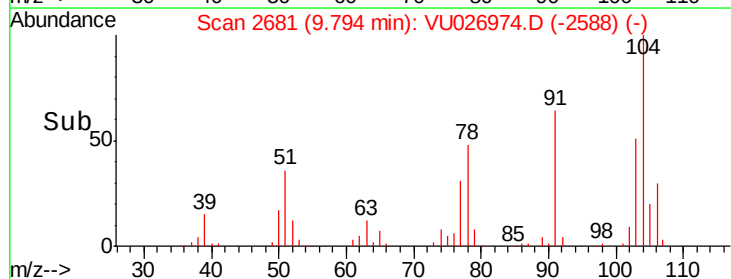
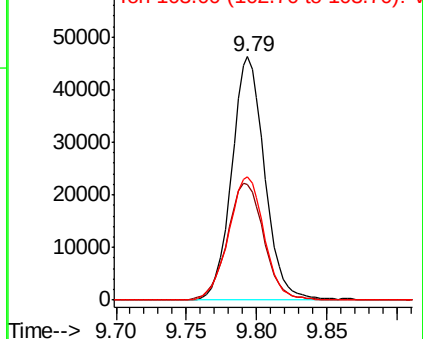


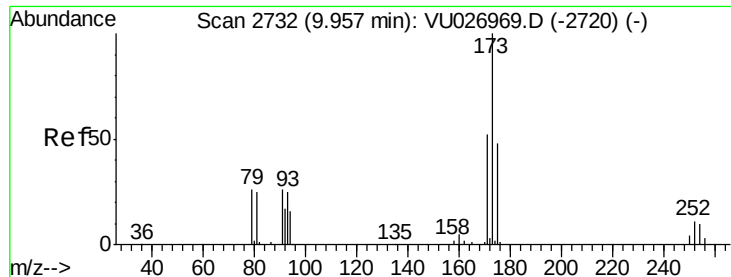
#70
Styrene
Concen: 18.495 ug/l
RT: 9.79 min Scan# 2681
Delta R.T. 0.00 min
Lab File: VU026974.D
Acq: 21 Sep 2018 18:09

Tgt Ion:104 Resp: 75477
Ion Ratio Lower Upper
104 100
78 53.5 43.0 64.4
103 55.0 44.1 66.1



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





#71

Bromoform

Concen: 18.343 ug/l

RT: 9.96 min Scan# 2733

Delta R.T. 0.00 min

Lab File: VU026974.D

Acq: 21 Sep 2018 18:09

Instrument :

MSVOA_U

ClientSampleId :

VU0922WBS01

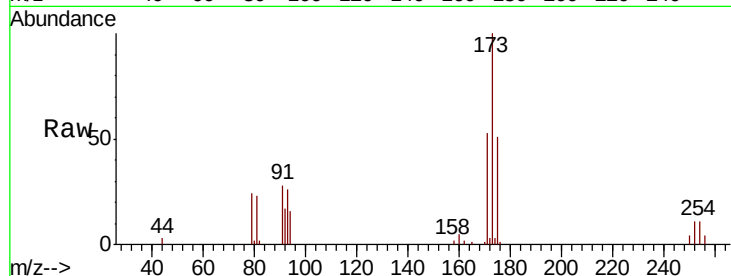
Tgt Ion:173 Resp: 19581

Ion Ratio Lower Upper

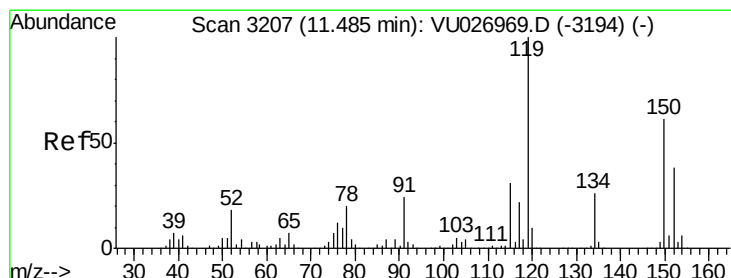
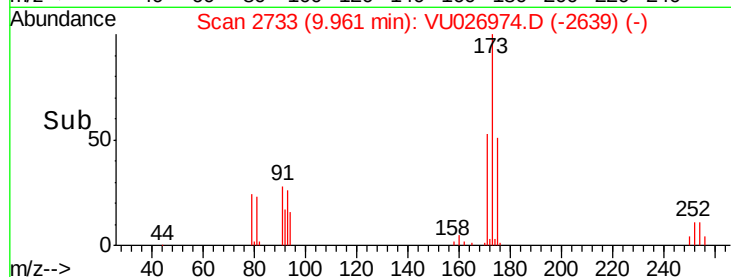
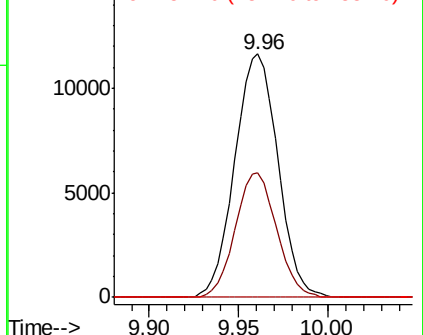
173 100

175 48.9 23.9 71.8

254 0.0 0.0 0.0



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



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 11.48 min Scan# 3207

Delta R.T. -0.00 min

Lab File: VU026974.D

Acq: 21 Sep 2018 18:09

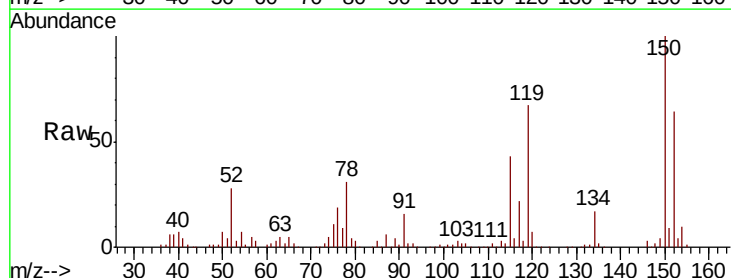
Tgt Ion:152 Resp: 80303

Ion Ratio Lower Upper

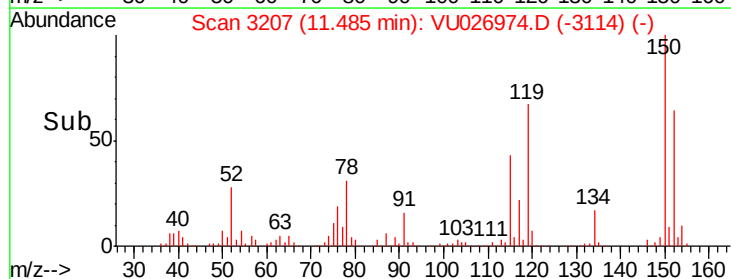
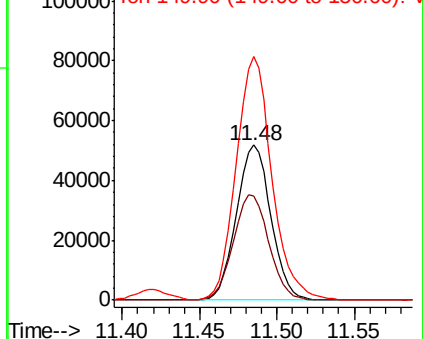
152 100

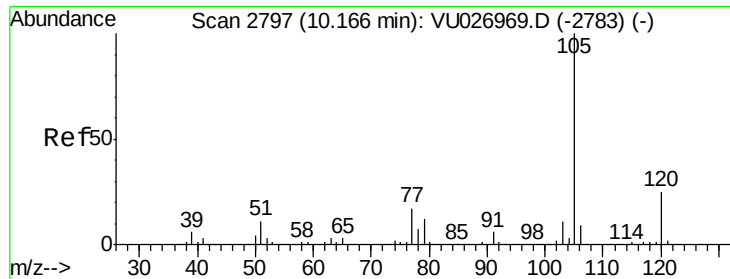
115 70.0 44.9 134.5

150 162.7 0.0 355.8



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





#73

Isopropylbenzene

Concen: 20.627 ug/l

RT: 10.17 min Scan# 2797

Delta R.T. 0.00 min

Lab File: VU026974.D

Acq: 21 Sep 2018 18:09

Instrument :

MSVOA_U

ClientSampleId :

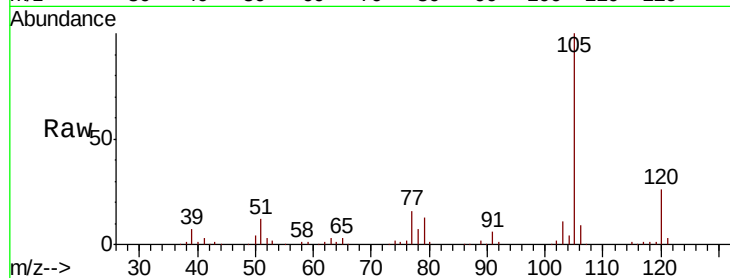
VU0922WBS01

Tgt Ion: 105 Resp: 126001

Ion Ratio Lower Upper

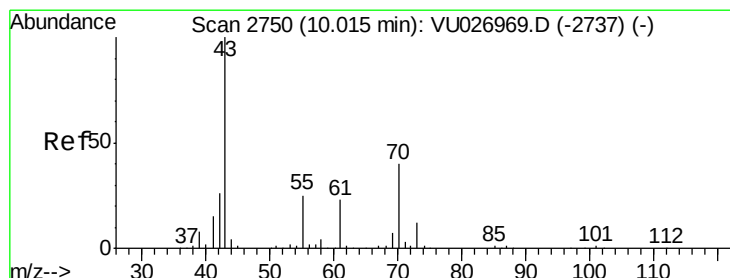
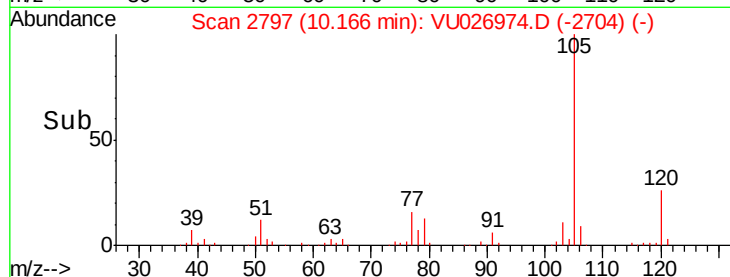
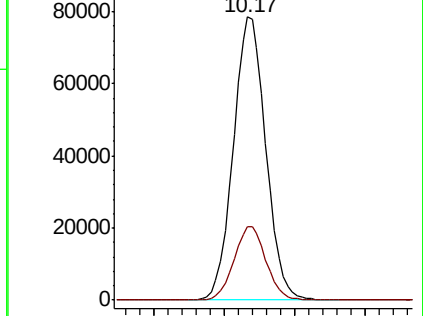
105 100

120 25.7 12.8 38.4



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 19.131 ug/l

RT: 10.02 min Scan# 2750

Delta R.T. 0.00 min

Lab File: VU026974.D

Acq: 21 Sep 2018 18:09

Tgt Ion: 43 Resp: 67647

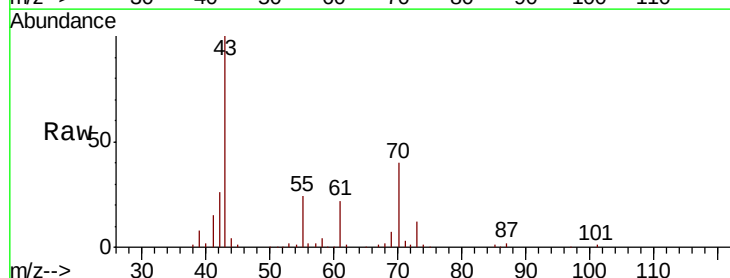
Ion Ratio Lower Upper

43 100

70 39.8 31.8 47.8

55 24.4 19.9 29.9

61 22.7 18.4 27.6

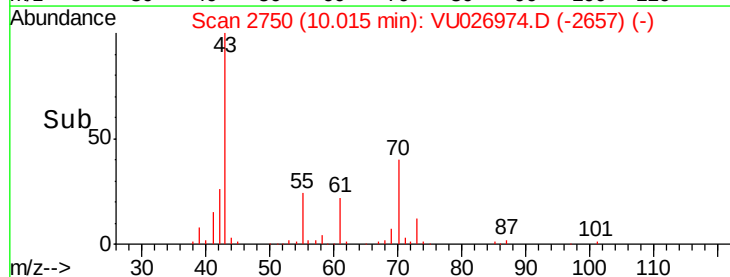
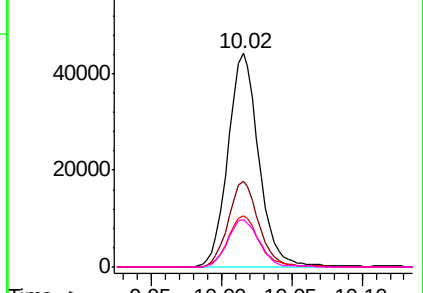


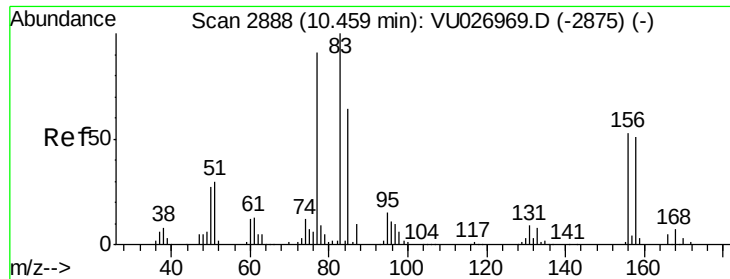
Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 70.00 (69.70 to 70.70): VU0

Ion 55.00 (54.70 to 55.70): VU0

Ion 61.00 (60.70 to 61.70): VU0





#75

1,1,2,2-Tetrachloroethane

Concen: 17.942 ug/l

RT: 10.46 min Scan# 2888

Delta R.T. -0.00 min

Lab File: VU026974.D

Acq: 21 Sep 2018 18:09

Instrument :

MSVOA_U

ClientSampleId :

VU0922WBS01

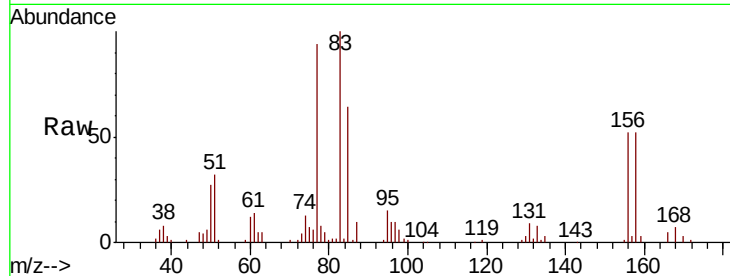
Tgt Ion: 83 Resp: 50390

Ion Ratio Lower Upper

83 100

131 8.5 4.3 12.8

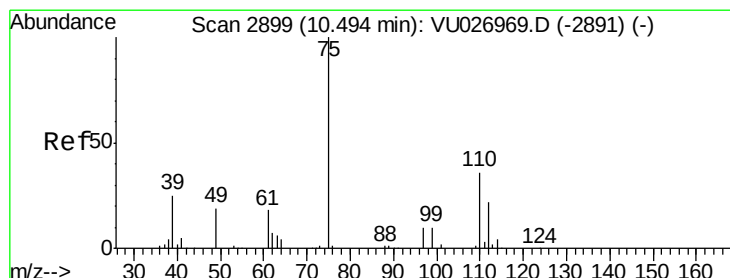
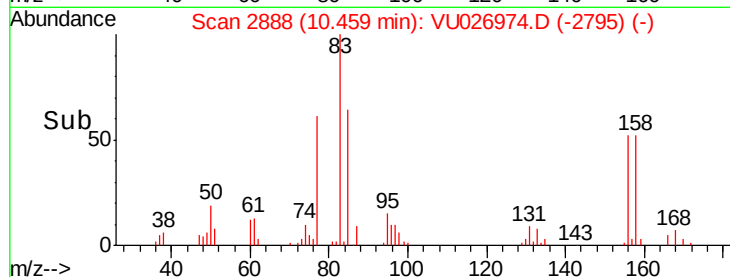
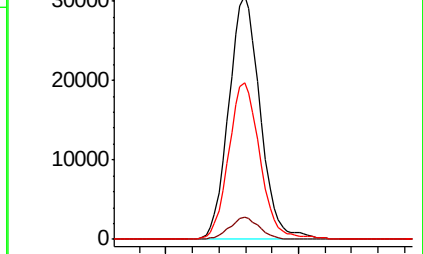
85 64.2 31.9 95.7



Abundance Ion 82.90 (82.60 to 83.60): VU026974.D (-2875) (-)

Ion 130.80 (130.50 to 131.50): VU026974.D (-2875) (-)

Ion 84.90 (84.60 to 85.60): VU026974.D (-2875) (-)



#76

1,2,3-Trichloropropane

Concen: 24.231 ug/l

RT: 10.49 min Scan# 2899

Delta R.T. 0.00 min

Lab File: VU026974.D

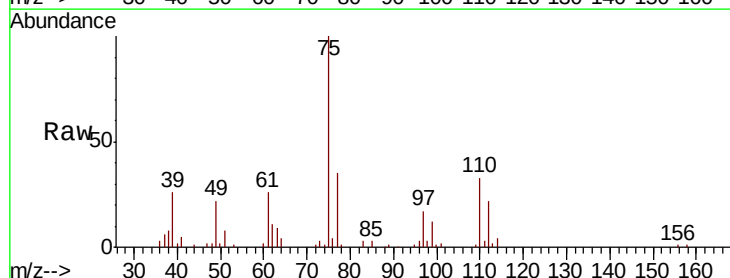
Acq: 21 Sep 2018 18:09

Tgt Ion: 75 Resp: 59113

Ion Ratio Lower Upper

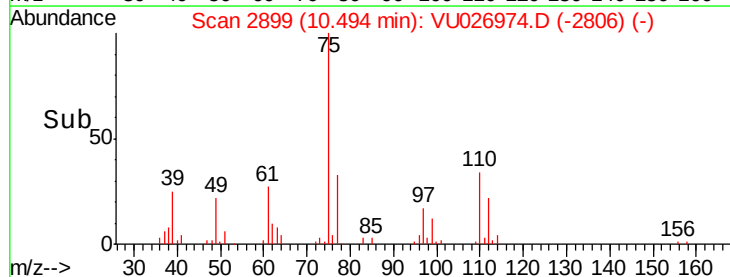
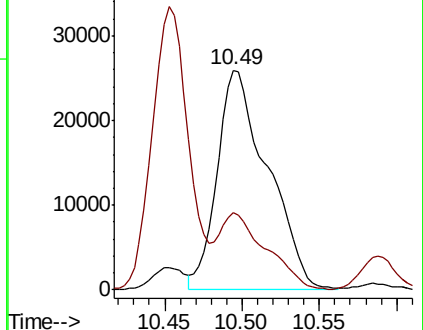
75 100

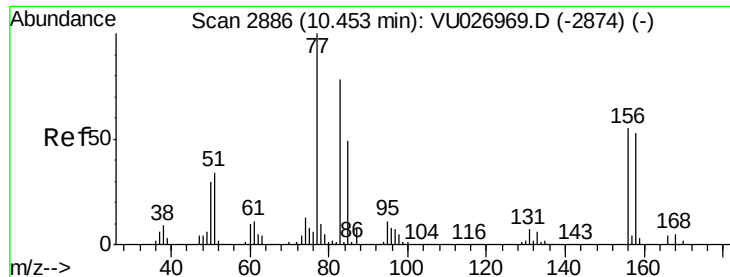
77 31.5 20.9 62.8



Abundance Ion 74.90 (74.60 to 75.60): VU026974.D (-2891) (-)

Ion 77.00 (76.70 to 77.70): VU026974.D (-2891) (-)





#77

Bromobenzene

Concen: 19.500 ug/l

RT: 10.45 min Scan# 2886

Delta R.T. 0.00 min

Lab File: VU026974.D

Acq: 21 Sep 2018 18:09

Instrument :

MSVOA_U

ClientSampleId :

VU0922WBS01

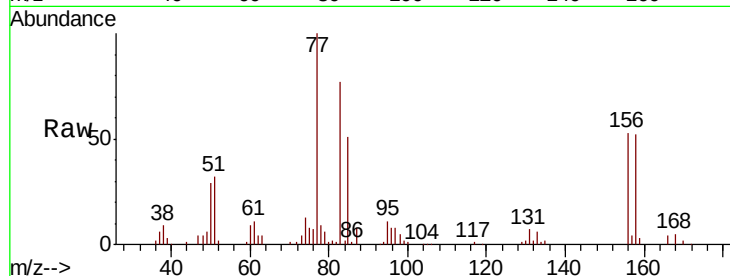
Tgt Ion:156 Resp: 29109

Ion Ratio Lower Upper

156 100

77 187.0 92.3 276.9

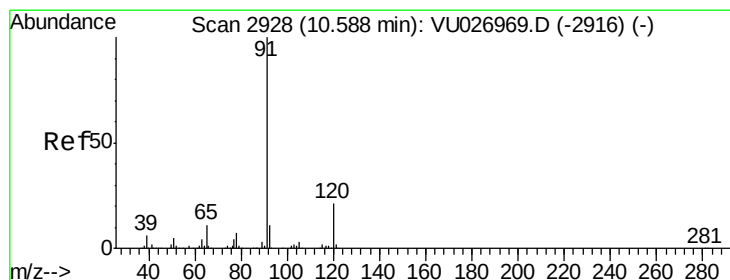
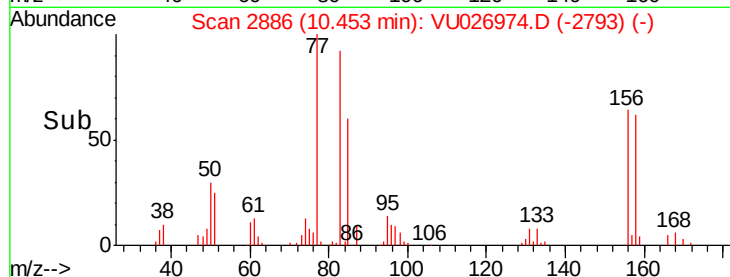
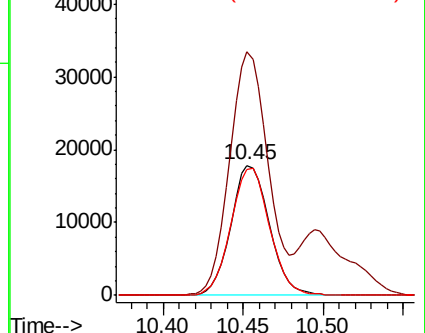
158 98.7 48.1 144.3



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VU0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 20.640 ug/l

RT: 10.59 min Scan# 2928

Delta R.T. 0.00 min

Lab File: VU026974.D

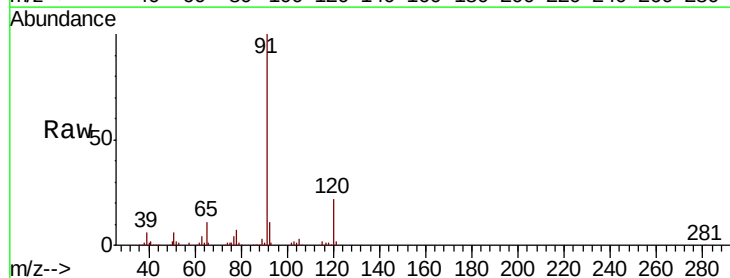
Acq: 21 Sep 2018 18:09

Tgt Ion: 91 Resp: 149185

Ion Ratio Lower Upper

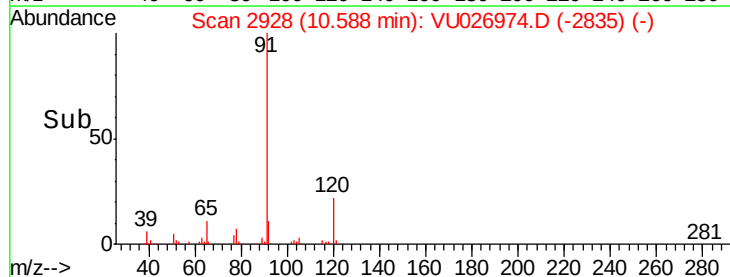
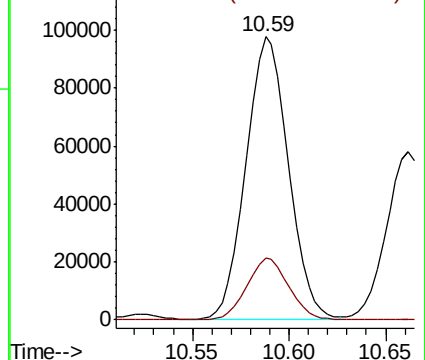
91 100

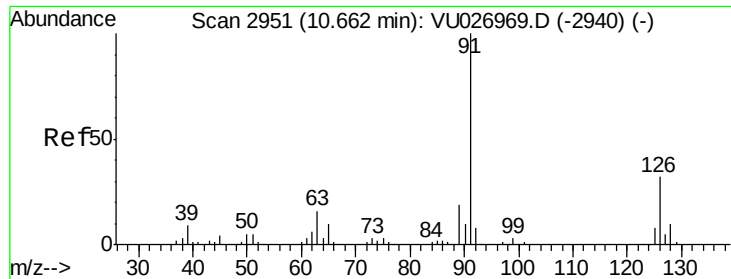
120 21.6 10.6 31.8



Abundance Ion 91.00 (90.70 to 91.70): VU0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 20.071 ug/l

RT: 10.66 min Scan# 2951

Delta R.T. -0.00 min

Lab File: VU026974.D

Acq: 21 Sep 2018 18:09

Instrument :

MSVOA_U

ClientSampleId :

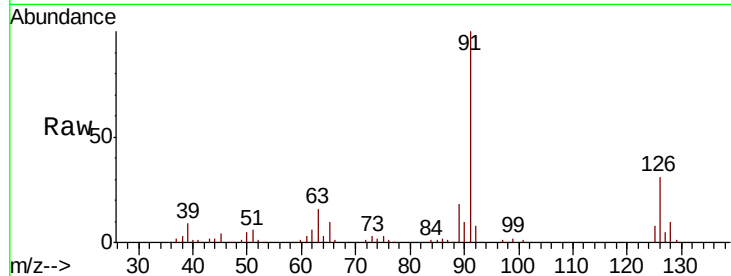
VU0922WBS01

Tgt Ion: 91 Resp: 91123

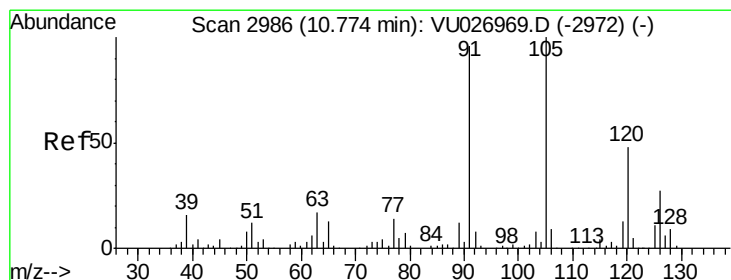
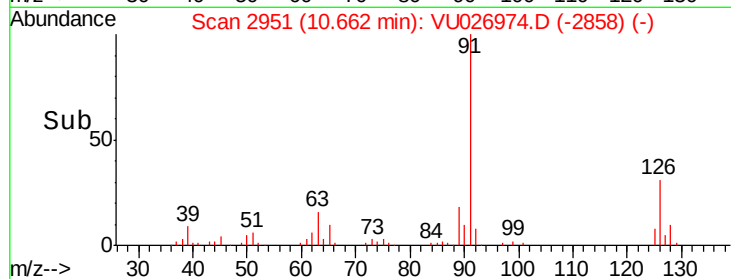
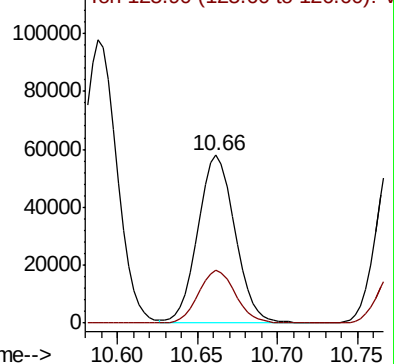
Ion Ratio Lower Upper

91 100

126 31.5 15.8 47.3



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



#80

1,3,5-Trimethylbenzene

Concen: 20.841 ug/l

RT: 10.77 min Scan# 2986

Delta R.T. -0.00 min

Lab File: VU026974.D

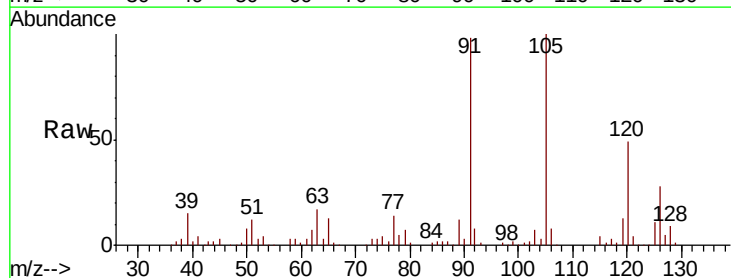
Acq: 21 Sep 2018 18:09

Tgt Ion: 105 Resp: 105090

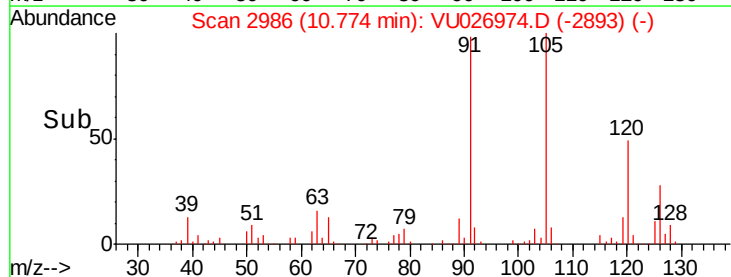
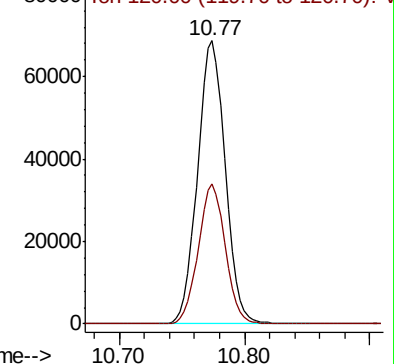
Ion Ratio Lower Upper

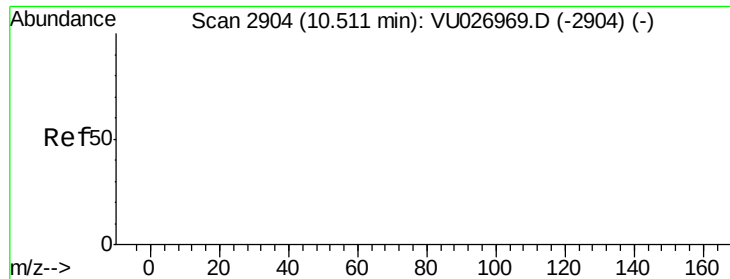
105 100

120 48.1 23.9 71.7



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





#81

trans-1,4-Dichloro-2-butene

Concen: 77.543 ug/l

RT: 10.49 min Scan# 2899

Delta R.T. -0.02 min

Lab File: VU026974.D

Acq: 21 Sep 2018 18:09

Instrument :

MSVOA_U

ClientSampleId :

VU0922WBS01

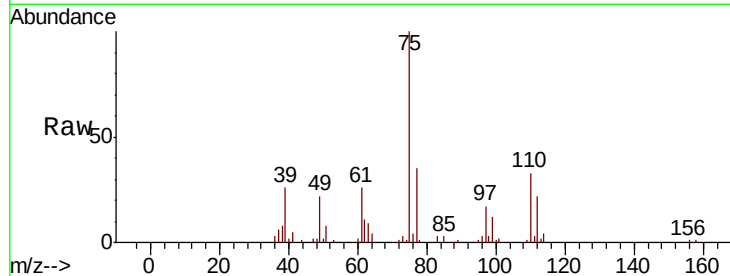
Tgt Ion: 75 Resp: 59113

Ion Ratio Lower Upper

75 100

53 0.0 0.0 0.0

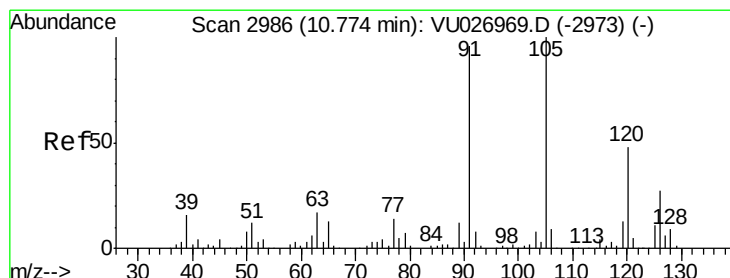
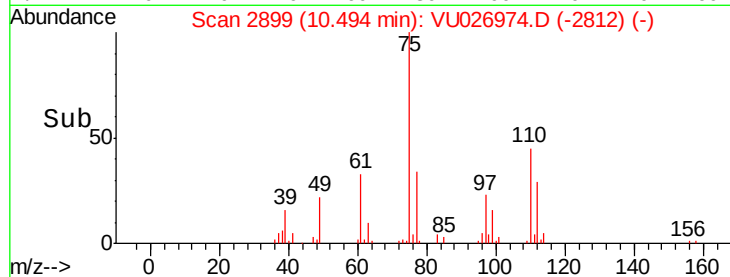
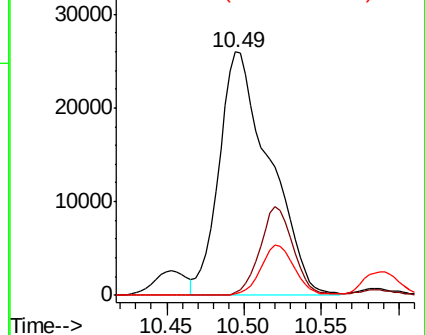
89 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VU0

Ion 53.00 (52.70 to 53.70): VU0

Ion 88.90 (88.60 to 89.60): VU0



#82

4-Chlorotoluene

Concen: 20.119 ug/l

RT: 10.77 min Scan# 2986

Delta R.T. -0.00 min

Lab File: VU026974.D

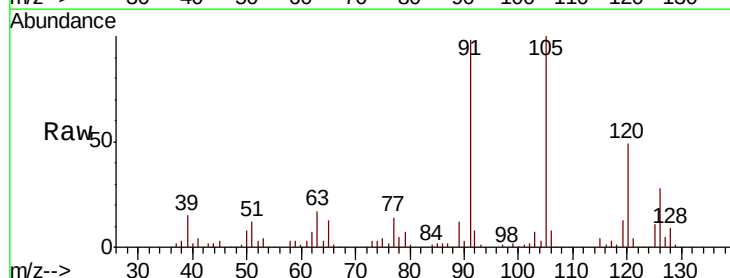
Acq: 21 Sep 2018 18:09

Tgt Ion: 91 Resp: 102420

Ion Ratio Lower Upper

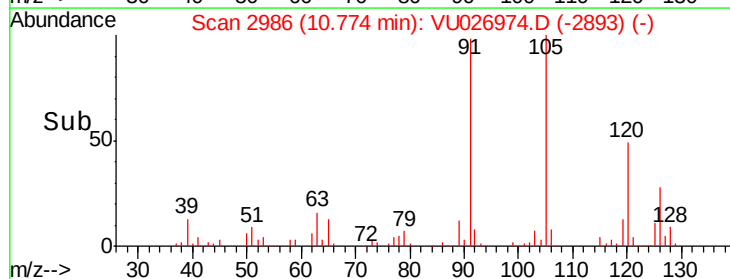
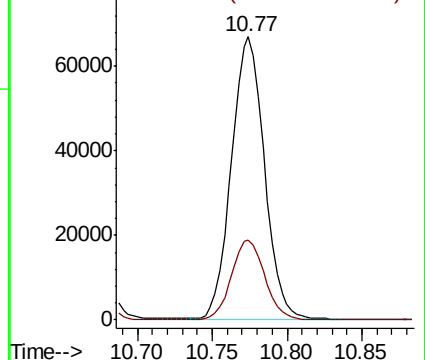
91 100

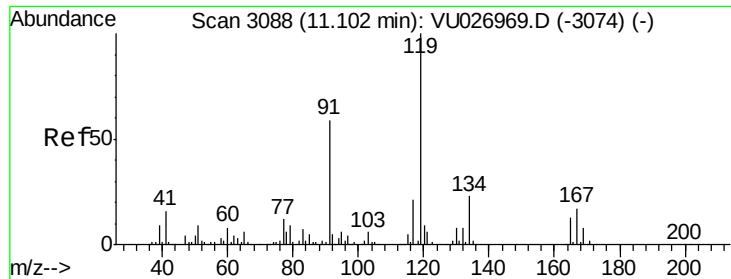
126 28.7 14.1 42.2



Abundance Ion 91.00 (90.70 to 91.70): VU0

Ion 125.90 (125.60 to 126.60): V

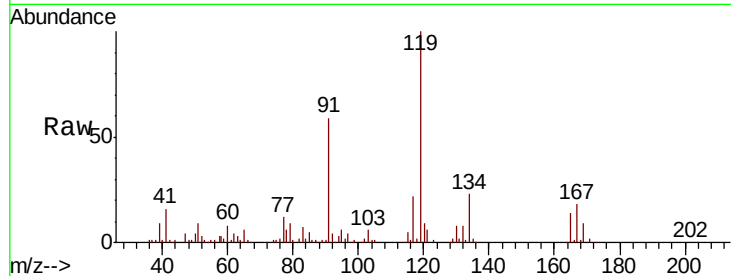




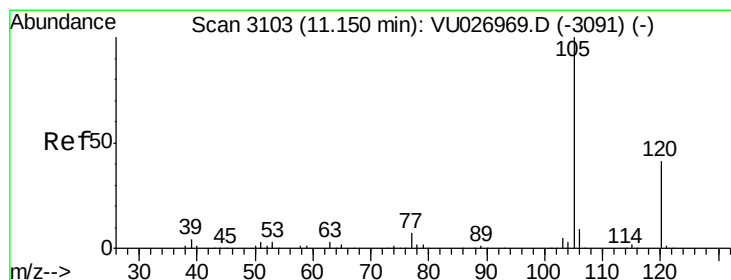
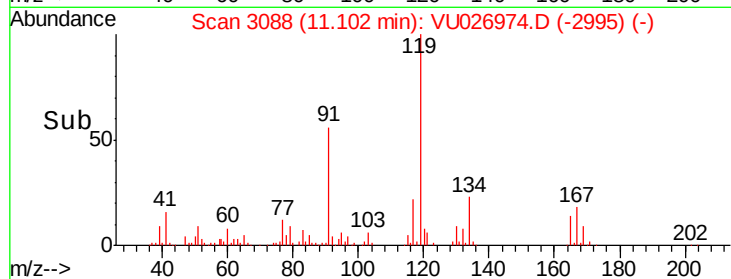
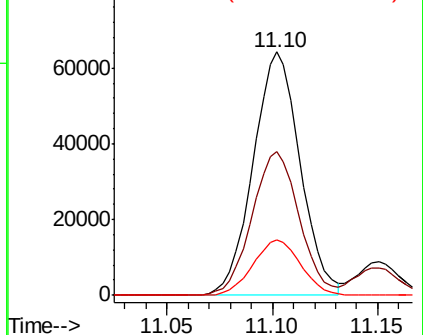
#83
 tert-Butylbenzene
 Concen: 19.961 ug/l
 RT: 11.10 min Scan# 3088
 Delta R.T. 0.00 min
 Lab File: VU026974.D
 Acq: 21 Sep 2018 18:09

Instrument :
 MSVOA_U
 ClientSampleId :
 VU0922WBS01

Tgt Ion:119 Resp: 99512
 Ion Ratio Lower Upper
 119 100
 91 59.4 29.8 89.4
 134 23.2 11.5 34.4

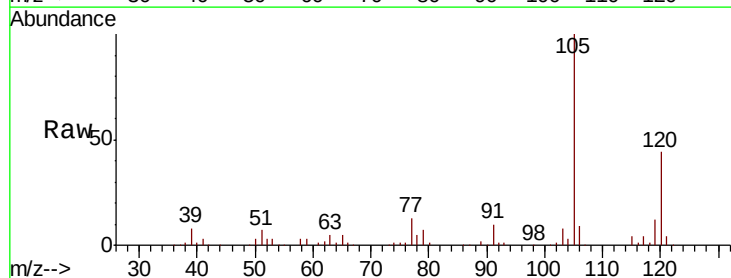


Abundance Ion 119.00 (118.70 to 119.70): V
 Ion 91.00 (90.70 to 91.70): VU0
 Ion 134.00 (133.70 to 134.70): V

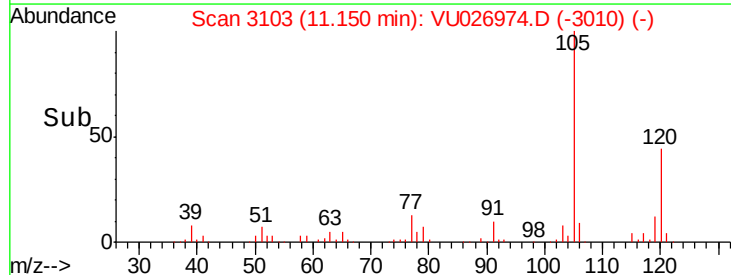
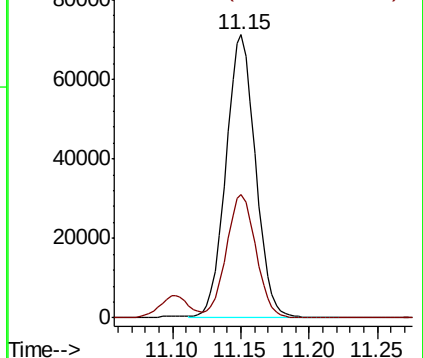


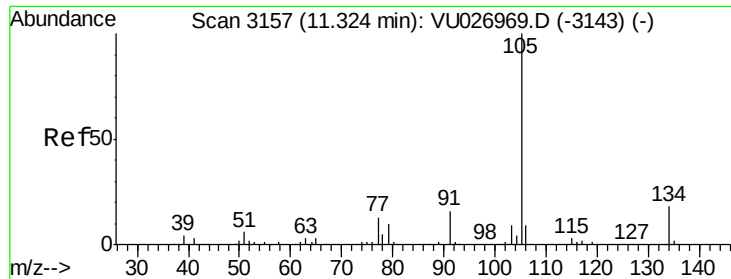
#84
 1,2,4-Trimethylbenzene
 Concen: 20.970 ug/l
 RT: 11.15 min Scan# 3103
 Delta R.T. 0.00 min
 Lab File: VU026974.D
 Acq: 21 Sep 2018 18:09

Tgt Ion:105 Resp: 107610
 Ion Ratio Lower Upper
 105 100
 120 43.7 22.4 67.2



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

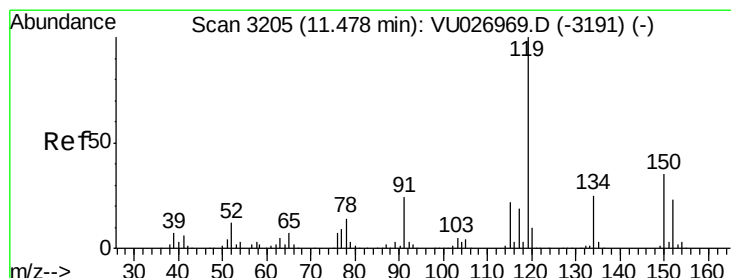
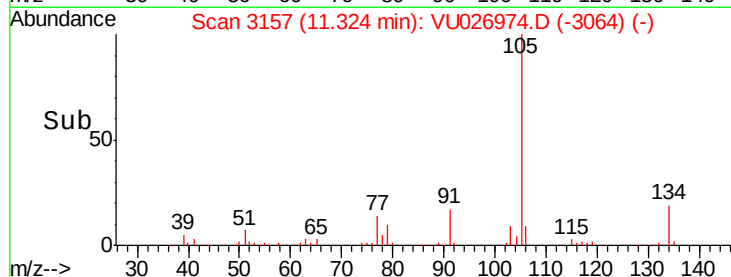
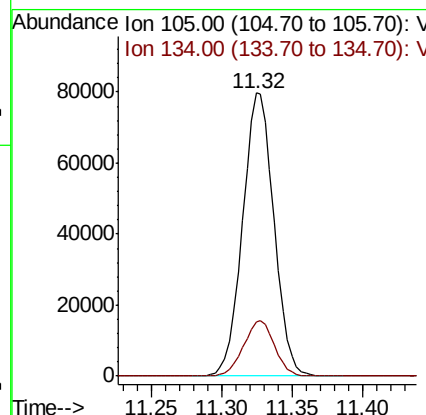
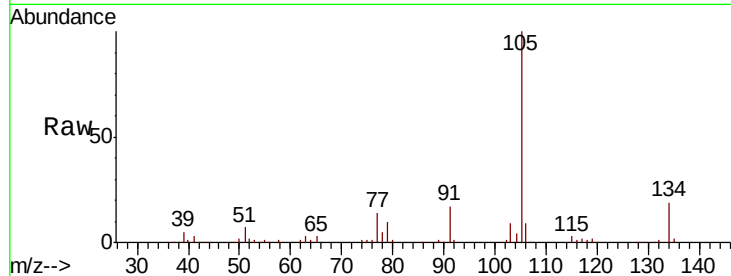




#85
 sec-Butylbenzene
 Concen: 20.370 ug/l
 RT: 11.32 min Scan# 3157
 Delta R.T. -0.00 min
 Lab File: VU026974.D
 Acq: 21 Sep 2018 18:09

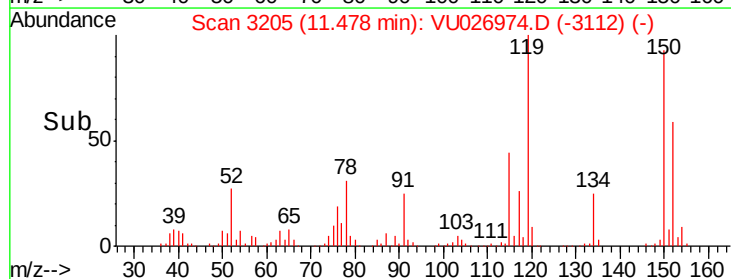
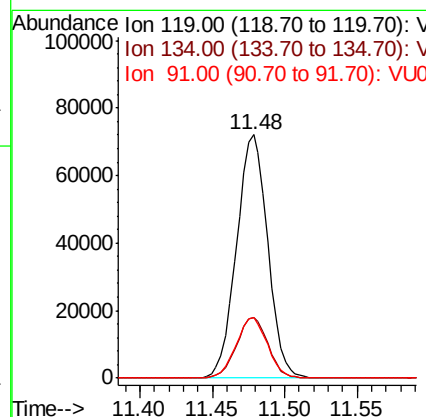
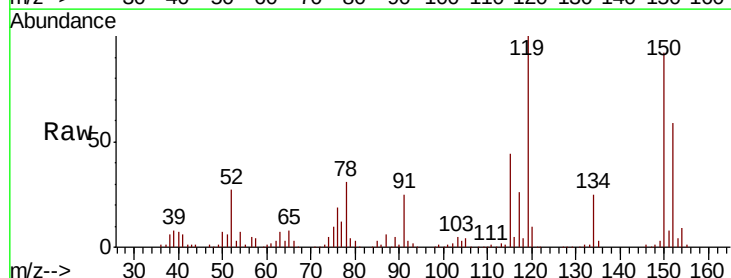
Instrument :
 MSVOA_U
 ClientSampleId :
 VU0922WBS01

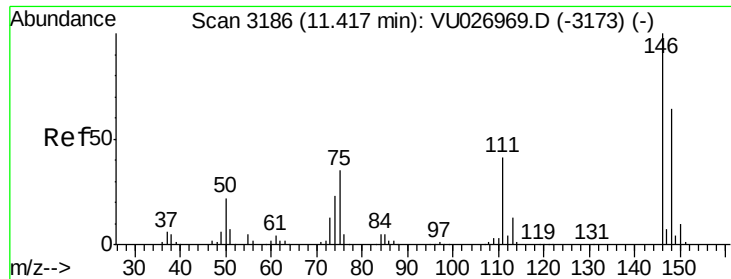
Tgt Ion:105 Resp: 123961
 Ion Ratio Lower Upper
 105 100
 134 19.3 9.4 28.2



#86
 p-Isopropyltoluene
 Concen: 19.356 ug/l
 RT: 11.48 min Scan# 3205
 Delta R.T. 0.00 min
 Lab File: VU026974.D
 Acq: 21 Sep 2018 18:09

Tgt Ion:119 Resp: 107223
 Ion Ratio Lower Upper
 119 100
 134 25.0 12.8 38.3
 91 25.0 12.3 36.8

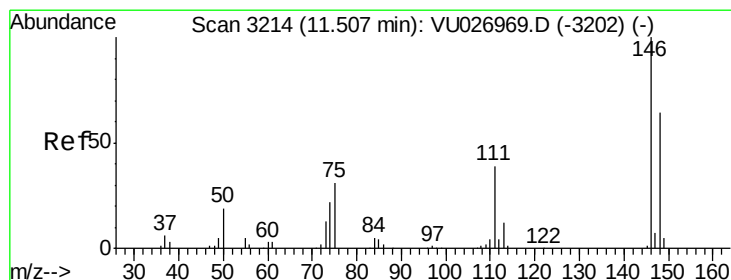
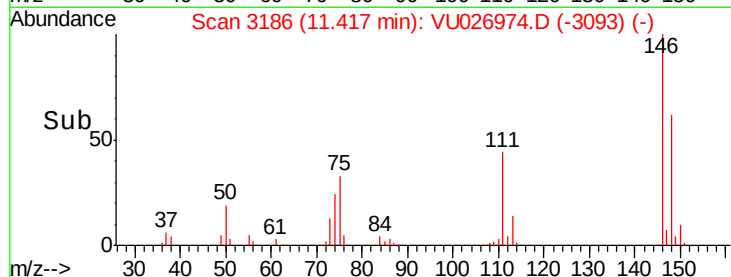
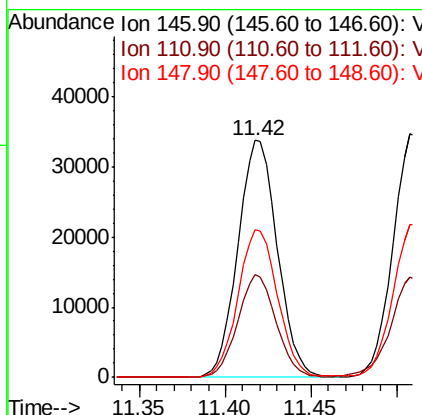
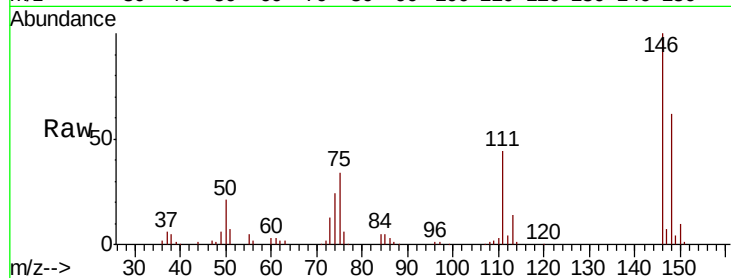




#87
 1,3-Dichlorobenzene
 Concen: 19.341 ug/l
 RT: 11.42 min Scan# 3186
 Delta R.T. 0.00 min
 Lab File: VU026974.D
 Acq: 21 Sep 2018 18:09

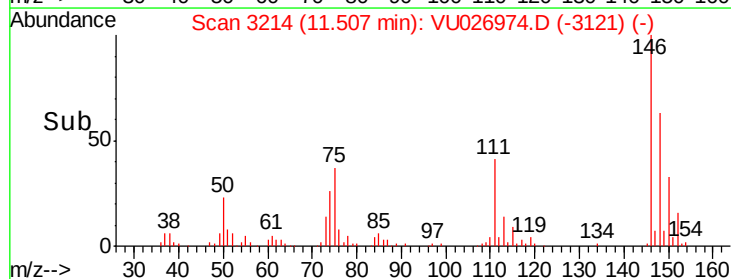
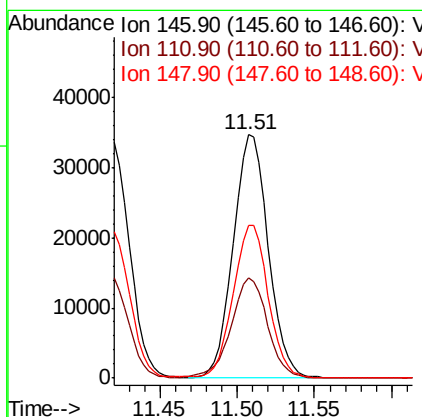
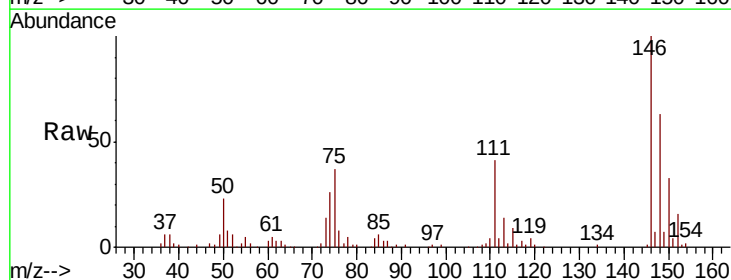
Instrument :
 MSVOA_U
 ClientSampleId :
 VU0922WBS01

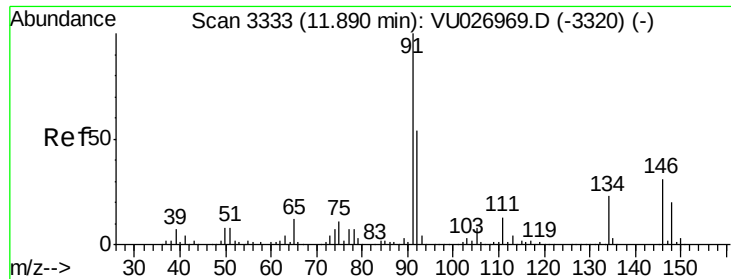
Tgt Ion:146 Resp: 53727
 Ion Ratio Lower Upper
 146 100
 111 42.0 20.8 62.2
 148 62.7 32.0 96.2



#88
 1,4-Dichlorobenzene
 Concen: 18.029 ug/l
 RT: 11.51 min Scan# 3214
 Delta R.T. 0.00 min
 Lab File: VU026974.D
 Acq: 21 Sep 2018 18:09

Tgt Ion:146 Resp: 54583
 Ion Ratio Lower Upper
 146 100
 111 42.9 20.3 60.9
 148 63.1 31.9 95.9





#89

n-Butylbenzene

Concen: 18.469 ug/l

RT: 11.89 min Scan# 3333

Delta R.T. 0.00 min

Lab File: VU026974.D

Acq: 21 Sep 2018 18:09

Instrument :

MSVOA_U

ClientSampleId :

VU0922WBS01

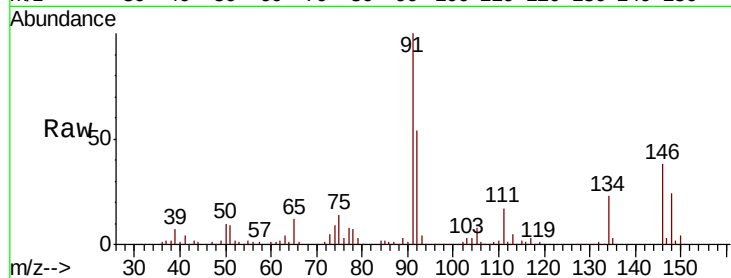
Tgt Ion: 91 Resp: 93463

Ion Ratio Lower Upper

91 100

92 53.4 27.1 81.2

134 22.4 11.7 35.0

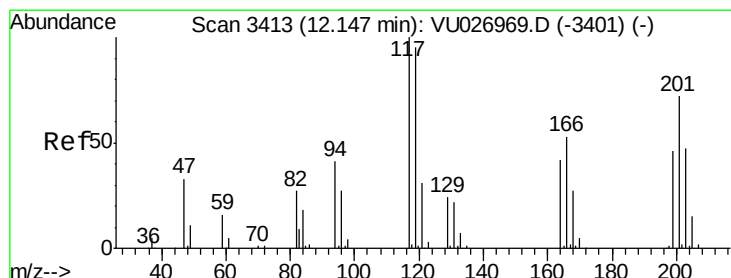
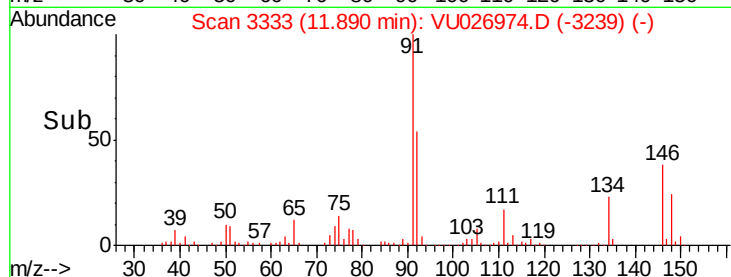


Abundance Ion 91.00 (90.70 to 91.70): VU026974.D (-3320) (-)

Ion 92.00 (91.70 to 92.70): VU026974.D (-3320) (-)

Ion 134.00 (133.70 to 134.70): VU026974.D (-3320) (-)

Time-->



#90

Hexachloroethane

Concen: 18.563 ug/l

RT: 12.15 min Scan# 3413

Delta R.T. 0.00 min

Lab File: VU026974.D

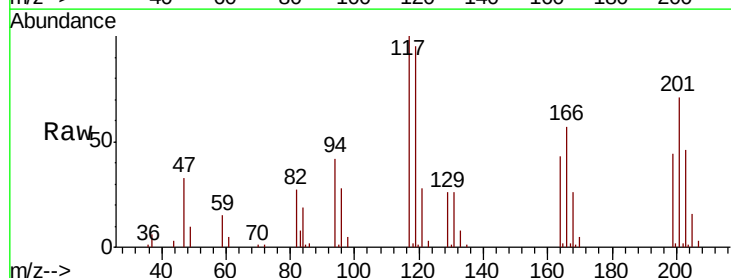
Acq: 21 Sep 2018 18:09

Tgt Ion: 117 Resp: 20543

Ion Ratio Lower Upper

117 100

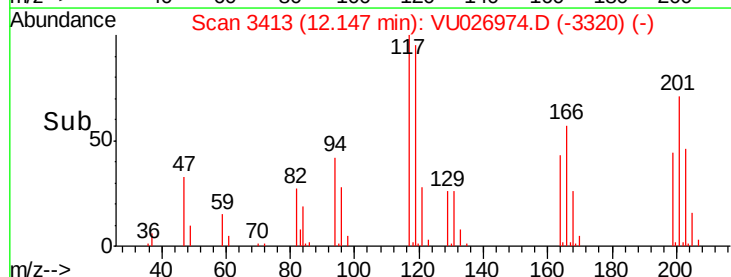
201 74.2 36.8 110.3

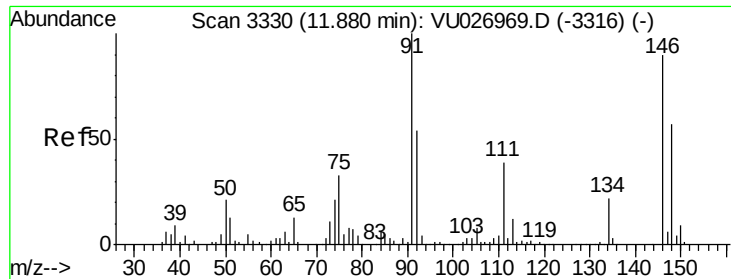


Abundance Ion 116.80 (116.50 to 117.50): VU026974.D (-3401) (-)

Ion 200.70 (200.40 to 201.40): VU026974.D (-3401) (-)

Time-->

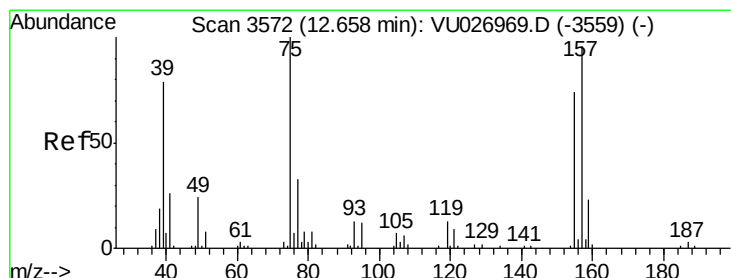
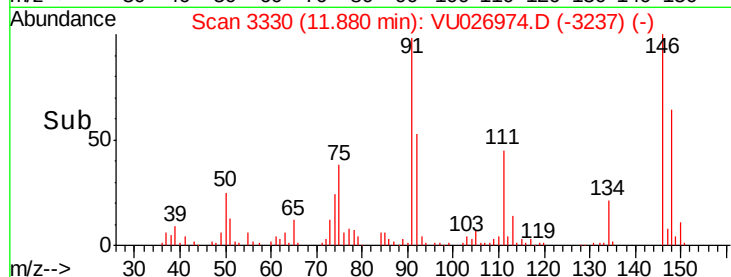
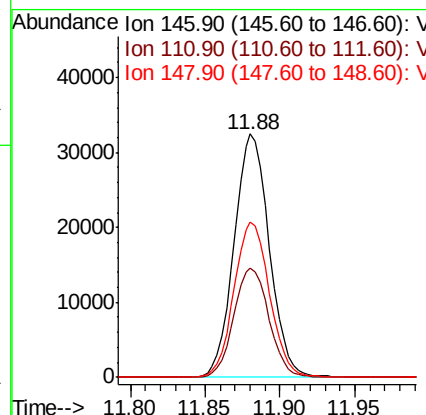
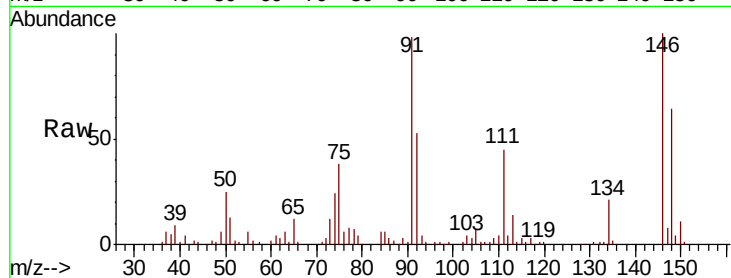




#91
 1,2-Dichlorobenzene
 Concen: 18.042 ug/l
 RT: 11.88 min Scan# 3330
 Delta R.T. -0.00 min
 Lab File: VU026974.D
 Acq: 21 Sep 2018 18:09

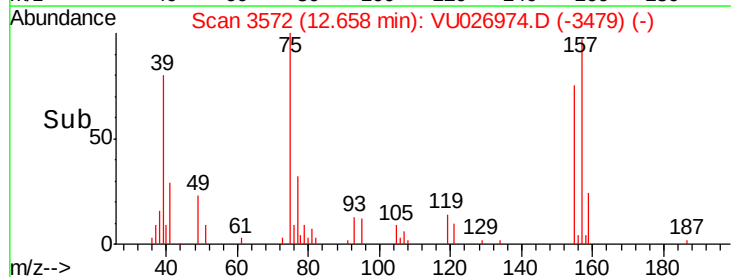
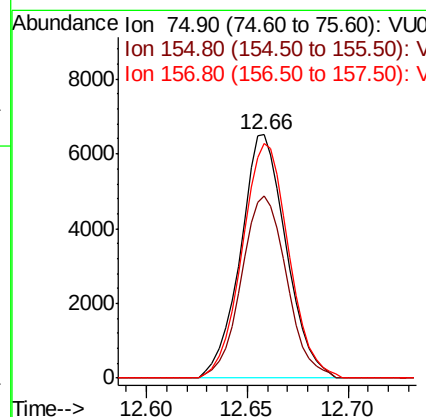
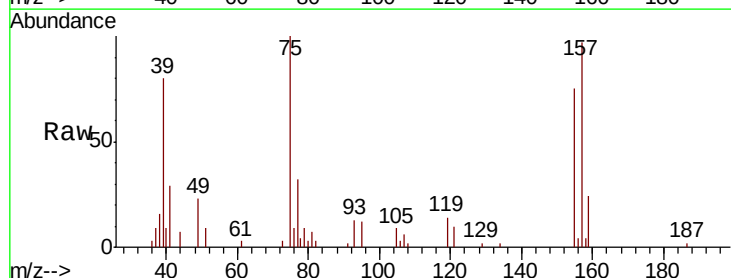
Instrument :
 MSVOA_U
 ClientSampleId :
 VU0922WBS01

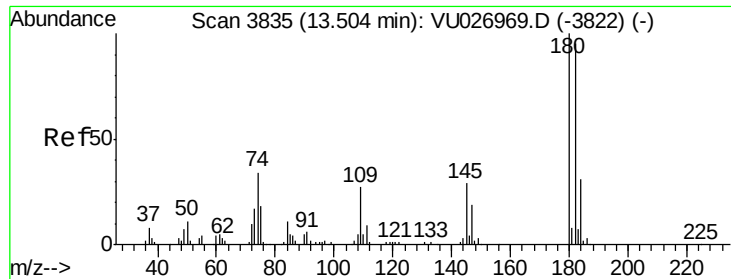
Tgt Ion: 146 Resp: 53238
 Ion Ratio Lower Upper
 146 100
 111 44.6 21.8 65.3
 148 64.3 31.9 95.7



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 18.094 ug/l
 RT: 12.66 min Scan# 3572
 Delta R.T. 0.00 min
 Lab File: VU026974.D
 Acq: 21 Sep 2018 18:09

Tgt Ion: 75 Resp: 10367
 Ion Ratio Lower Upper
 75 100
 155 74.1 36.6 109.8
 157 97.8 47.4 142.2

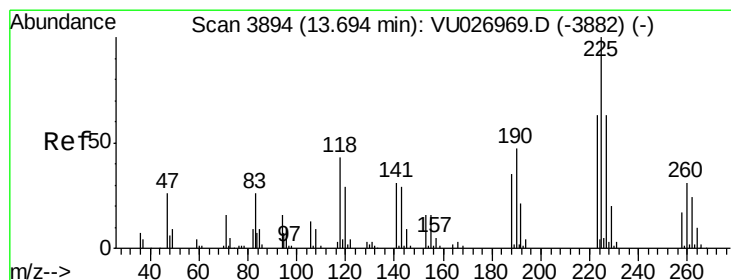
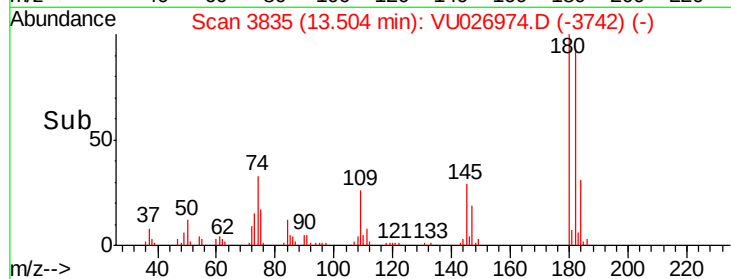
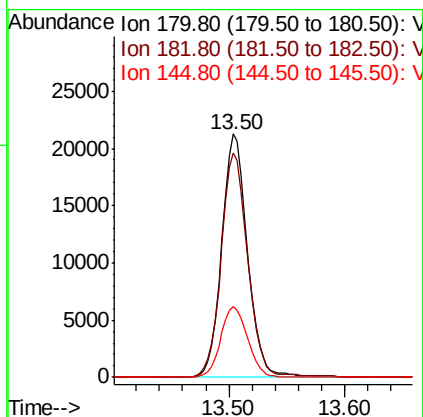
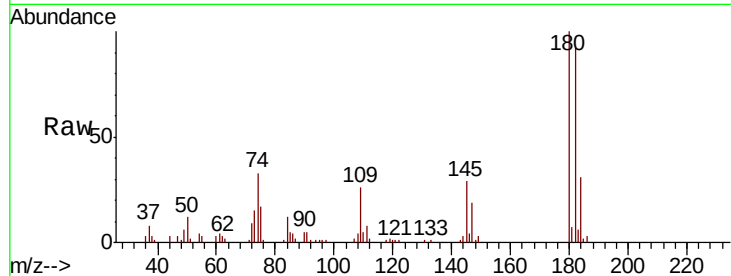




#93
 1,2,4-Trichlorobenzene
 Concen: 19.252 ug/l
 RT: 13.50 min Scan# 3835
 Delta R.T. 0.00 min
 Lab File: VU026974.D
 Acq: 21 Sep 2018 18:09

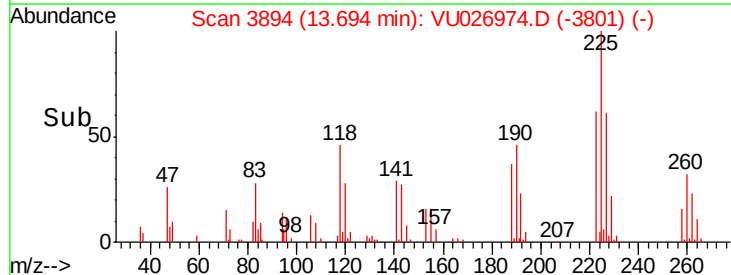
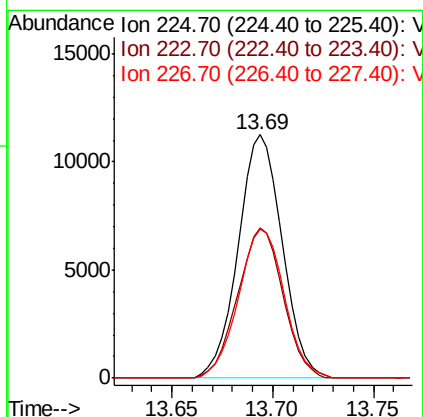
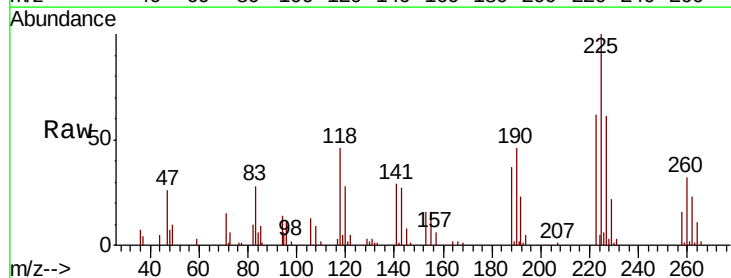
Instrument :
 MSVOA_U
 ClientSampleId :
 VU0922WBS01

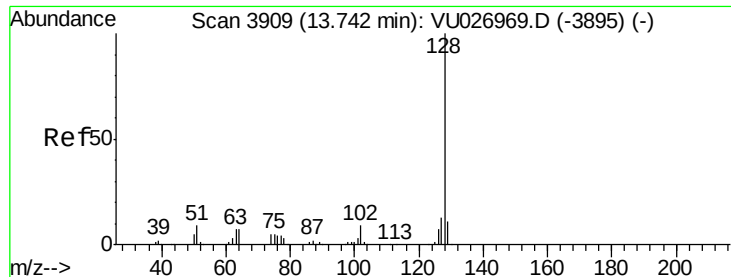
Tgt Ion:180 Resp: 32736
 Ion Ratio Lower Upper
 180 100
 182 93.7 47.4 142.2
 145 30.1 14.9 44.5



#94
 Hexachlorobutadiene
 Concen: 19.183 ug/l
 RT: 13.69 min Scan# 3894
 Delta R.T. -0.00 min
 Lab File: VU026974.D
 Acq: 21 Sep 2018 18:09

Tgt Ion:225 Resp: 17259
 Ion Ratio Lower Upper
 225 100
 223 63.3 31.9 95.7
 227 63.5 32.1 96.5

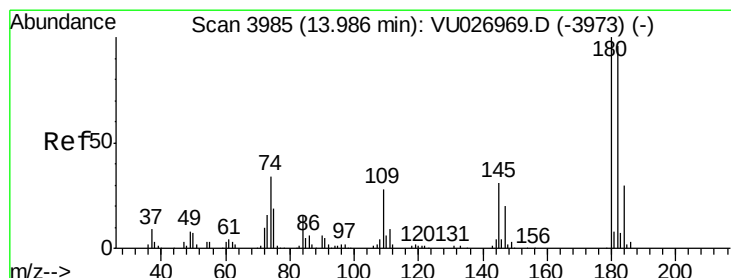
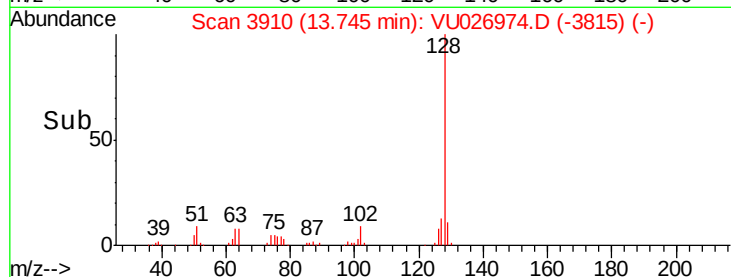
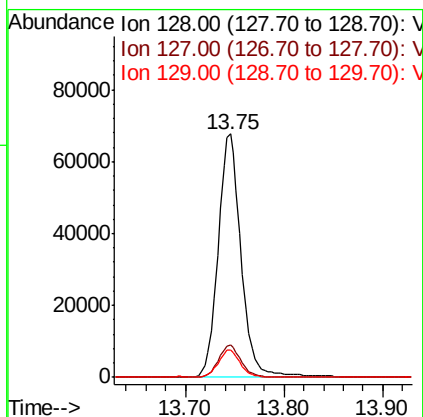
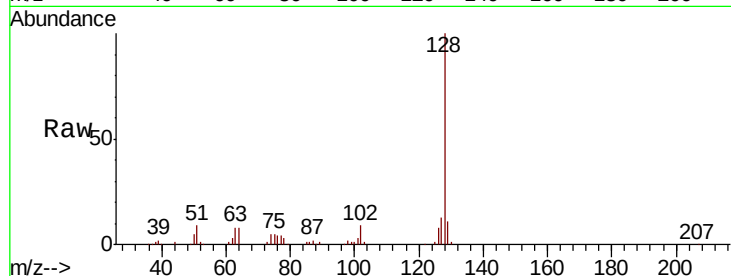




#95
Naphthalene
Concen: 17.782 ug/l
RT: 13.75 min Scan# 3910
Delta R.T. 0.00 min
Lab File: VU026974.D
Acq: 21 Sep 2018 18:09

Instrument :
MSVOA_U
ClientSampleId :
VU0922WBS01

Tgt Ion:128 Resp: 110734
Ion Ratio Lower Upper
128 100
127 13.1 10.6 15.8
129 10.7 8.6 12.8



#96
1,2,3-Trichlorobenzene
Concen: 19.579 ug/l
RT: 13.99 min Scan# 3986
Delta R.T. 0.00 min
Lab File: VU026974.D
Acq: 21 Sep 2018 18:09

Tgt Ion:180 Resp: 35703
Ion Ratio Lower Upper
180 100
182 92.7 47.5 142.5
145 31.6 15.4 46.4

