

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU092818\
 Data File : VU027231.D
 Acq On : 27 Sep 2018 17:54
 Operator : MD/SY
 Sample : VU0928WBS01
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VU0928WBS01

Quant Time: Sep 28 03:39:25 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	80798	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.89	114	134090	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.09	117	131576	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.48	152	71396	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	5.31	65	76646	47.13	ug/l	0.00
Spiked Amount			Recovery	=	94.26%	
35) Dibromofluoromethane	4.88	113	56118	48.28	ug/l	0.00
Spiked Amount			Recovery	=	96.56%	
50) Toluene-d8	7.57	98	201406	45.47	ug/l	0.00
Spiked Amount			Recovery	=	90.94%	
62) 4-Bromofluorobenzene	10.31	95	74293	48.88	ug/l	0.00
Spiked Amount			Recovery	=	97.76%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.21	85	25275	23.959	ug/l	99
3) Chloromethane	1.33	50	37847	20.809	ug/l	99
4) Vinyl Chloride	1.40	62	36769	21.657	ug/l	98
5) Bromomethane	1.62	94	18336	18.965	ug/l	99
6) Chloroethane	1.70	64	23254	21.437	ug/l	98
7) Trichlorofluoromethane	1.89	101	40899	21.210	ug/l	99
8) Diethyl Ether	2.11	74	19088	20.566	ug/l	95
9) 1,1,2-Trichlorotrifluoroet	2.29	101	24808	20.924	ug/l	99
10) Methyl Iodide	2.41	142	11358	7.724	ug/l	99
11) Tert butyl alcohol	2.83	59	32855	88.146	ug/l	98
12) 1,1-Dichloroethene	2.28	96	22063	19.771	ug/l	88
13) Acrolein	2.20	56	10889	54.193	ug/l	98
14) Allyl chloride	2.59	41	51982	22.966	ug/l	98
15) Acrylonitrile	2.94	53	101229	107.755	ug/l	98
16) Acetone	2.32	43	103338	110.363	ug/l	100
17) Carbon Disulfide	2.48	76	78999	21.731	ug/l	99
18) Methyl Acetate	2.62	43	55086	23.799	ug/l	98
19) Methyl tert-butyl Ether	3.00	73	90590	22.091	ug/l	99
20) Methylene Chloride	2.70	84	30640	21.038	ug/l	99
21) trans-1,2-Dichloroethene	2.98	96	25885	21.726	ug/l	95
22) Diisopropyl ether	3.58	45	115095	23.774	ug/l	98
23) Vinyl Acetate	3.53	43	479896	116.289	ug/l	99
24) 1,1-Dichloroethane	3.45	63	59935	22.478	ug/l	100
25) 2-Butanone	4.26	43	144749	105.917	ug/l	99
26) 2,2-Dichloropropane	4.23	77	47765	22.970	ug/l	98
27) cis-1,2-Dichloroethene	4.23	96	29944	22.254	ug/l	98
28) Bromochloromethane	4.55	49	27472	21.374	ug/l	95
29) Tetrahydrofuran	4.64	42	91230	110.352	ug/l	98
30) Chloroform	4.67	83	54527	22.031	ug/l	99
31) Cyclohexane	5.00	56	54300	22.082	ug/l	97
32) 1,1,1-Trichloroethane	4.92	97	45036	22.790	ug/l	97
36) 1,1-Dichloropropene	5.14	75	39911	22.302	ug/l	98
37) Ethyl Acetate	4.38	43	52614	21.718	ug/l	99
38) Carbon Tetrachloride	5.14	117	37927	22.270	ug/l	98

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 Quant Title : SW846 8260
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	6.42	83	44280	22.769	ug/l	96
40) Benzene	5.39	78	121595	22.351	ug/l	99
41) Methacrylonitrile	4.54	41	29221	23.225	ug/l	98
42) 1,2-Dichloroethane	5.41	62	47266	22.996	ug/l	99
43) Isopropyl Acetate	5.55	43	79665	22.548	ug/l	99
44) Trichloroethene	6.19	130	25811	22.286	ug/l	99
45) 1,2-Dichloropropane	6.43	63	35251	22.741	ug/l	99
46) Dibromomethane	6.56	93	20535	21.934	ug/l	99
47) Bromodichloromethane	6.76	83	42532	22.468	ug/l	97
48) Methyl methacrylate	6.62	41	39717	21.248	ug/l	98
49) 1,4-Dioxane	6.61	88	11045	287.982	ug/l	93
51) 4-Methyl-2-Pentanone	7.46	43	272830	114.817	ug/l	99
52) Toluene	7.64	92	71702	22.993	ug/l	97
53) t-1,3-Dichloropropene	7.88	75	45933	22.584	ug/l	100
54) cis-1,3-Dichloropropene	7.27	75	51501	23.029	ug/l	99
55) 1,1,2-Trichloroethane	8.07	97	30175	22.837	ug/l	99
56) Ethyl methacrylate	8.02	69	44386	20.704	ug/l	98
57) 1,3-Dichloropropane	8.24	76	56748	23.091	ug/l	98
58) 2-Chloroethyl Vinyl ether	7.13	63	109098	87.080	ug/l	99
59) 2-Hexanone	8.36	43	205551	110.508	ug/l	98
60) Dibromochloromethane	8.48	129	28597	22.064	ug/l	97
61) 1,2-Dibromoethane	8.59	107	31347	22.801	ug/l	96
64) Tetrachloroethene	8.23	164	22337	22.031	ug/l	99
65) Chlorobenzene	9.12	112	73264	21.000	ug/l	100
66) 1,1,1,2-Tetrachloroethane	9.21	131	26614	22.148	ug/l	98
67) Ethyl Benzene	9.25	91	125488	21.874	ug/l	100
68) m/p-Xylenes	9.38	106	96724	42.507	ug/l	98
69) o-Xylene	9.78	106	44890	22.085	ug/l	98
70) Styrene	9.79	104	74938	20.840	ug/l	99
71) Bromoform	9.96	173	20351	21.901	ug/l #	97
73) Isopropylbenzene	10.17	105	124355	22.897	ug/l	99
74) N-amyl acetate	10.02	43	67272	21.399	ug/l	98
75) 1,1,2,2-Tetrachloroethane	10.46	83	51826	20.755	ug/l	99
76) 1,2,3-Trichloropropane	10.49	75	58586	27.011	ug/l	82
77) Bromobenzene	10.45	156	29180	21.987	ug/l	97
78) n-propylbenzene	10.59	91	149933	23.332	ug/l	99
79) 2-Chlorotoluene	10.66	91	91412	22.647	ug/l	100
80) 1,3,5-Trimethylbenzene	10.77	105	104983	23.417	ug/l	100
81) trans-1,4-Dichloro-2-buten	10.49	75	58586	86.439	ug/l #	100
82) 4-Chlorotoluene	10.77	91	102930	22.742	ug/l	99
83) tert-Butylbenzene	11.10	119	95557	21.559	ug/l	99
84) 1,2,4-Trimethylbenzene	11.15	105	106504	23.343	ug/l	100
85) sec-Butylbenzene	11.32	105	123629	22.850	ug/l	100
86) p-Isopropyltoluene	11.48	119	104946	21.215	ug/l	100
87) 1,3-Dichlorobenzene	11.42	146	53121	21.509	ug/l	99
88) 1,4-Dichlorobenzene	11.51	146	53875	20.015	ug/l	98
89) n-Butylbenzene	11.89	91	92434	20.276	ug/l	99
90) Hexachloroethane	12.15	117	20410	20.744	ug/l	99
91) 1,2-Dichlorobenzene	11.88	146	53453	20.375	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	12.66	75	10397	20.410	ug/l	98

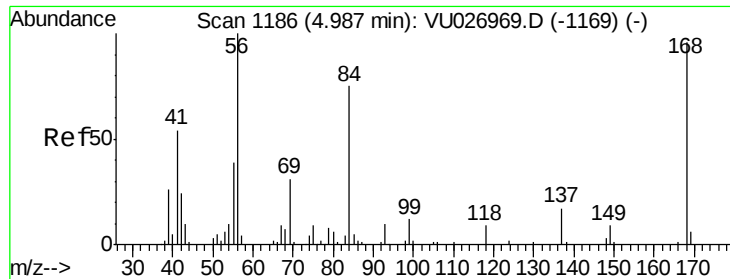
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA U\DATA\VU092818\
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Quant Time: Sep 28 03:39:25 2018
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QLast Update : Sat Sep 22 01:31:57 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.50	180	31361	20.744	ug/l	99
94) Hexachlorobutadiene	13.69	225	17209	21.514	ug/l	100
95) Naphthalene	13.75	128	103945	18.680	ug/l	99
96) 1,2,3-Trichlorobenzene	13.99	180	34160	21.070	ug/l	99

(#) = 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: VU027231.D

Acq: 27 Sep 2018 17:54

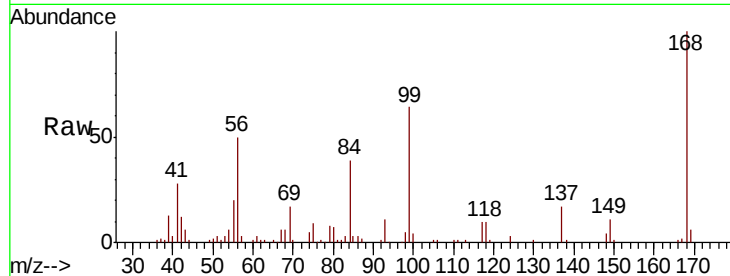
Instrument :
MSVOA_U
ClientSampleId :
VU0928WBS01

Tot Ion:168 Resp: 80798

Ion Ratio Lower Upper

168 100

99 62.7 48.1 72.1



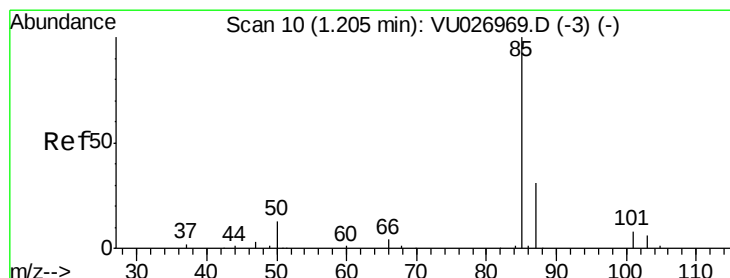
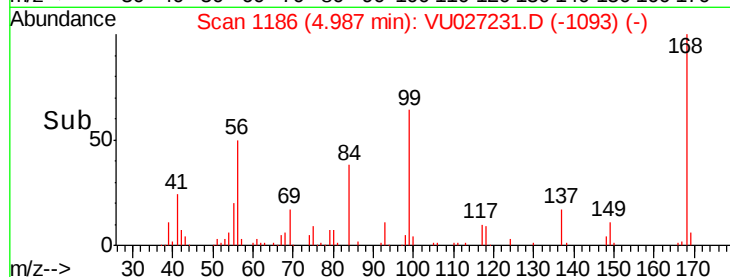
Abundance Ion 167.90 (167.60 to 168.60): VU026969.D (-1169) (-)

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: 23.959 ug/l

RT: 1.21 min Scan# 10

Delta R.T. 0.00 min

Lab File: VU027231.D

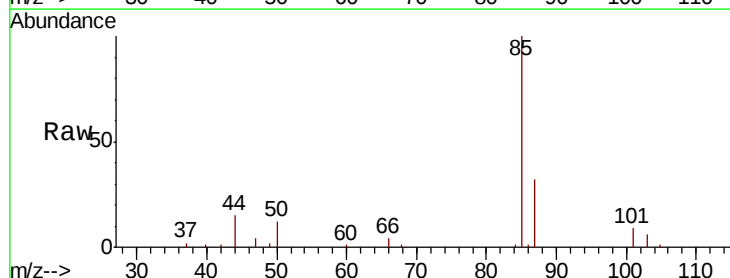
Acq: 27 Sep 2018 17:54

Tgt Ion: 85 Resp: 25275

Ion Ratio Lower Upper

85 100

87 31.9 15.6 46.7



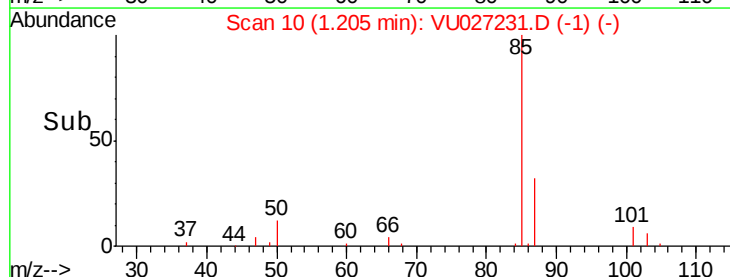
Abundance Ion 84.90 (84.60 to 85.60): VU026969.D (-3) (-)

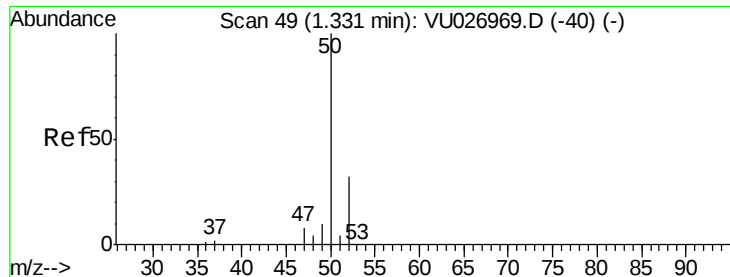
Ion 86.90 (86.60 to 87.60): VU026969.D (-3) (-)

1.21

1.20 1.25

Time-->





#3

Chloromethane

Concen: 20.809 ug/l

RT: 1.33 min Scan# 49

Delta R.T. 0.00 min

Lab File: VU027231.D

Acq: 27 Sep 2018 17:54

Instrument :

MSVOA_U

ClientSampleId :

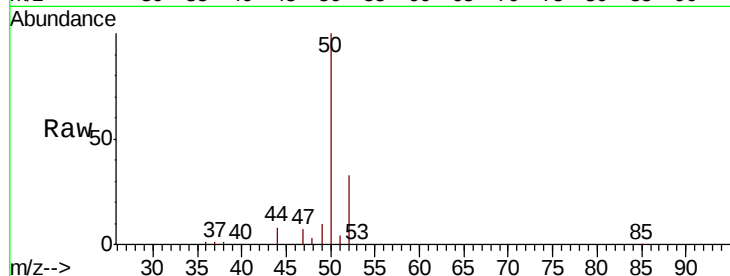
VU0928WBS01

Tot Ion: 50 Resp: 37847

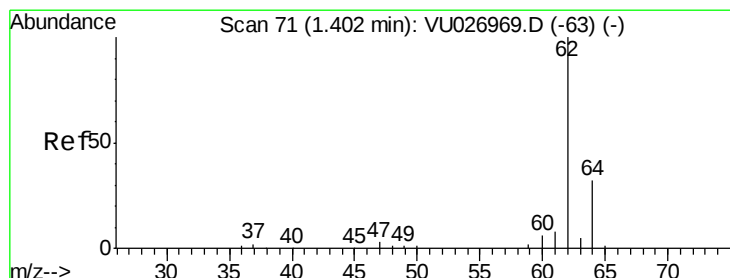
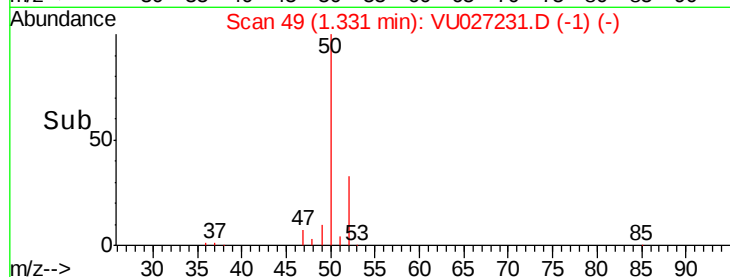
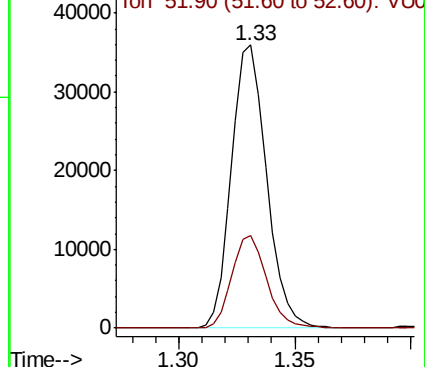
Ion Ratio Lower Upper

50 100

52 32.8 25.9 38.9



Abundance Ion 49.90 (49.60 to 50.60): VU027231.D (-1) (-)



#4

Vinyl Chloride

Concen: 21.657 ug/l

RT: 1.40 min Scan# 71

Delta R.T. 0.00 min

Lab File: VU027231.D

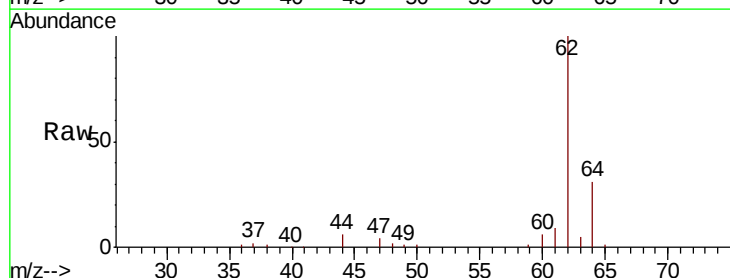
Acq: 27 Sep 2018 17:54

Tgt Ion: 62 Resp: 36769

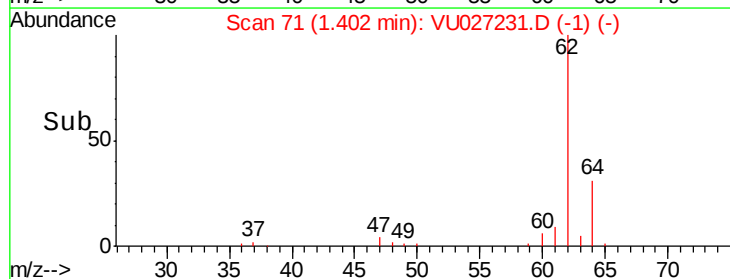
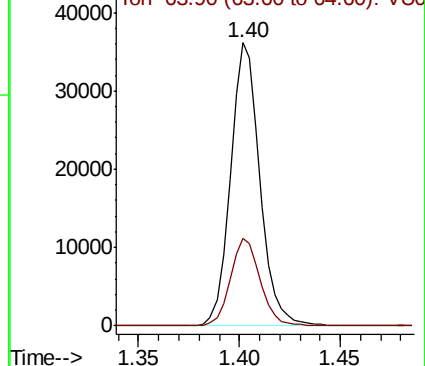
Ion Ratio Lower Upper

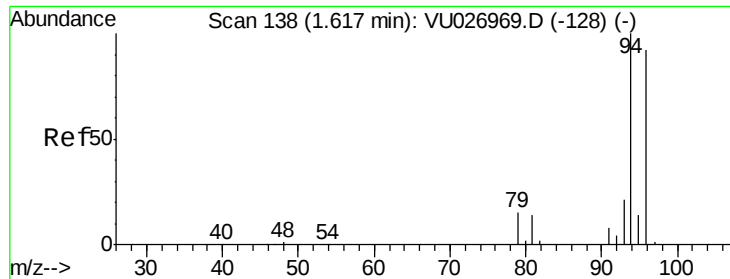
62 100

64 30.9 25.5 38.3



Abundance Ion 61.90 (61.60 to 62.60): VU027231.D (-1) (-)

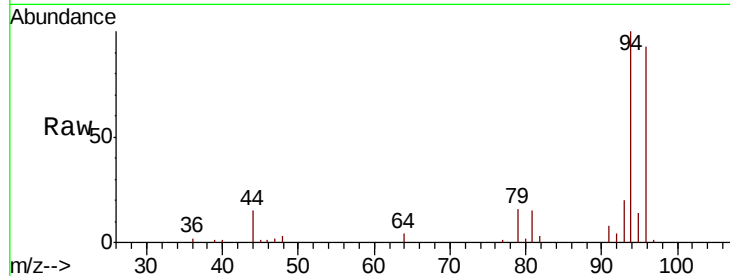




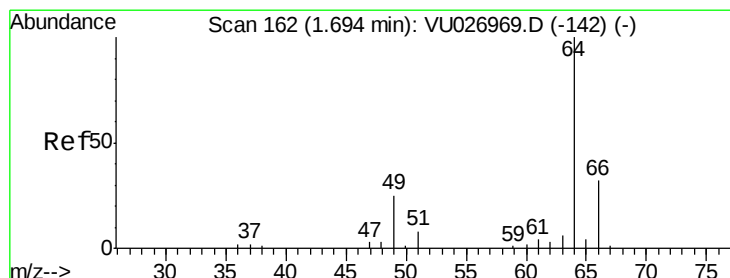
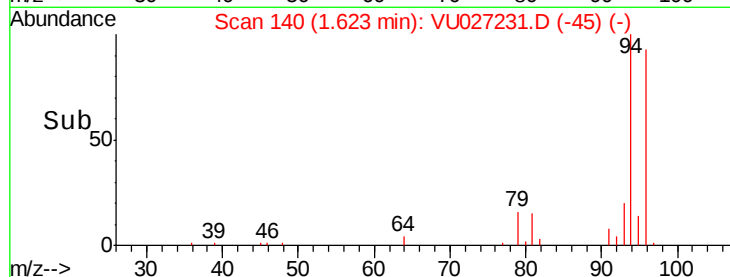
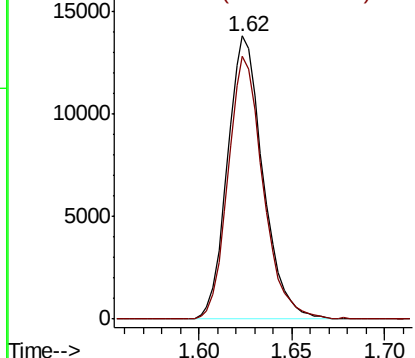
#5
Bromomethane
Concen: 18.965 ug/l
RT: 1.62 min Scan# 140
Delta R.T. 0.01 min
Lab File: VU027231.D
Acq: 27 Sep 2018 17:54

Instrument :
MSVOA_U
ClientSampleId :
VU0928WBS01

Tot Ion: 94 Resp: 18336
Ion Ratio Lower Upper
94 100
96 92.8 73.2 109.8

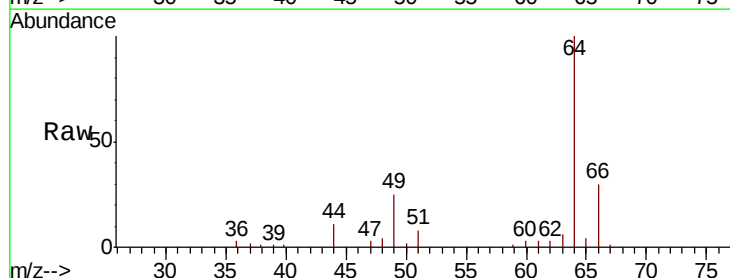


Abundance Ion 93.90 (93.60 to 94.60): VU0
Ion 95.90 (95.60 to 96.60): VU0

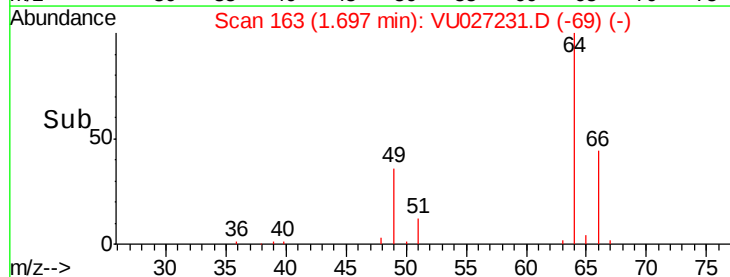
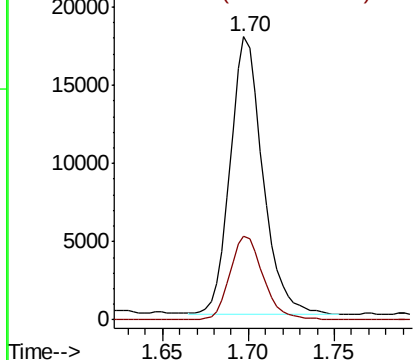


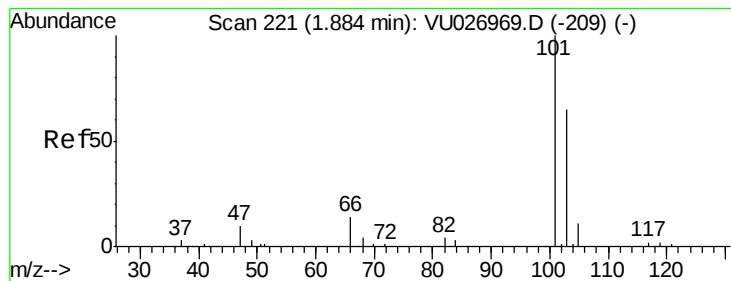
#6
Chloroethane
Concen: 21.437 ug/l
RT: 1.70 min Scan# 163
Delta R.T. 0.00 min
Lab File: VU027231.D
Acq: 27 Sep 2018 17:54

Tgt Ion: 64 Resp: 23254
Ion Ratio Lower Upper
64 100
66 30.3 25.3 37.9



Abundance Ion 63.90 (63.60 to 64.60): VU0
Ion 65.90 (65.60 to 66.60): VU0





#7

Trichlorofluoromethane

Concen: 21.210 ug/l

RT: 1.89 min Scan# 222

Delta R.T. 0.00 min

Lab File: VU027231.D

Acq: 27 Sep 2018 17:54

Instrument :

MSVOA_U

ClientSampleId :

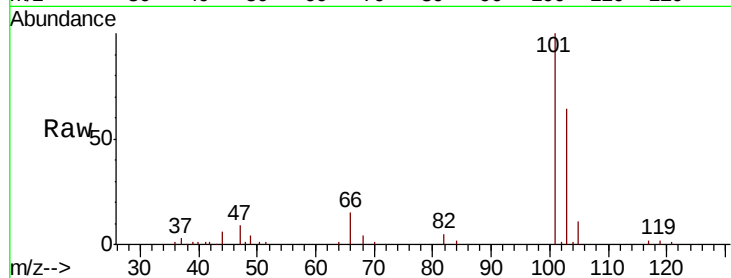
VU0928WBS01

Tot Ion:101 Resp: 40899

Ion Ratio Lower Upper

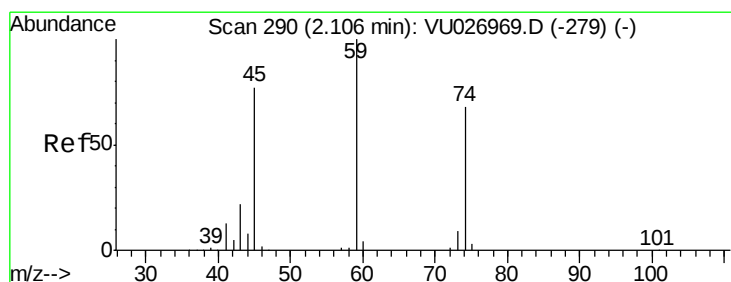
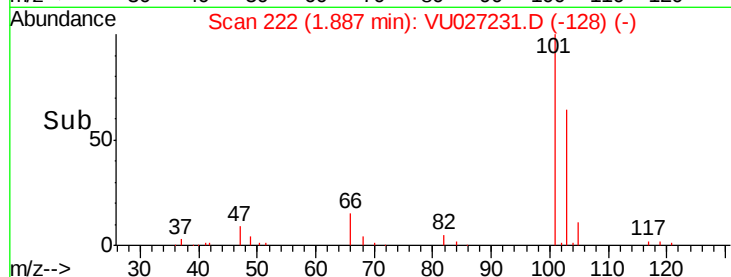
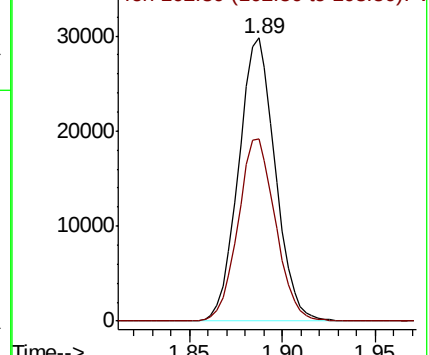
101 100

103 64.5 52.2 78.2



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 102.80 (102.50 to 103.50): V



#8

Diethyl Ether

Concen: 20.566 ug/l

RT: 2.11 min Scan# 290

Delta R.T. 0.00 min

Lab File: VU027231.D

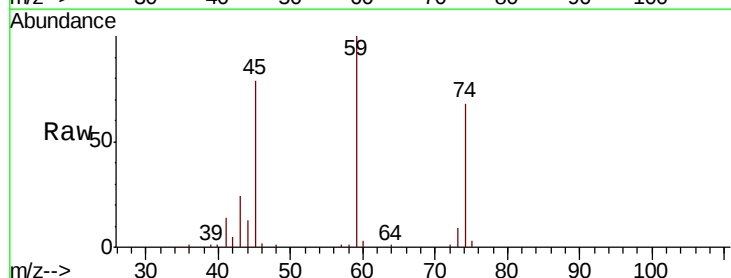
Acq: 27 Sep 2018 17:54

Tgt Ion: 74 Resp: 19088

Ion Ratio Lower Upper

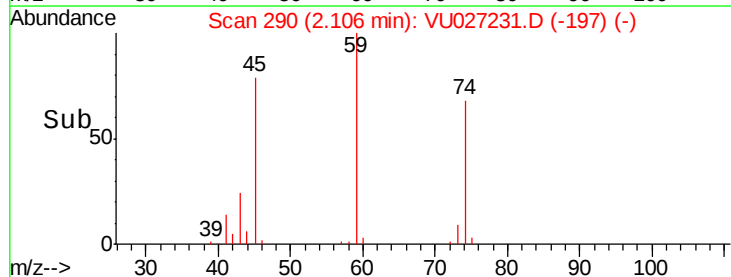
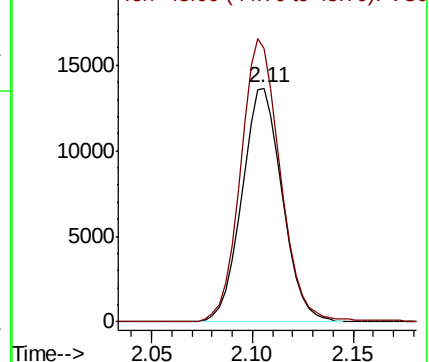
74 100

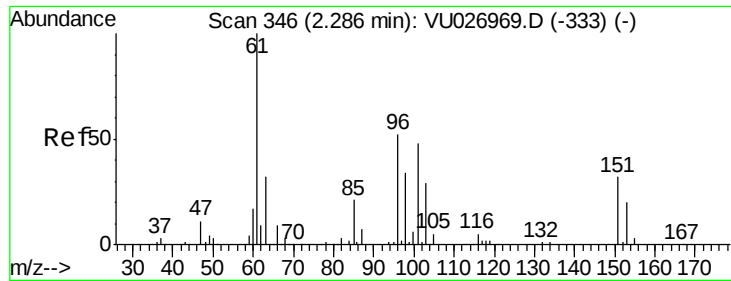
45 119.4 56.9 170.7



Abundance Ion 74.00 (73.70 to 74.70): VU0

Ion 45.00 (44.70 to 45.70): VU0





#9

1,1,2-Trichlorotrifluoroethane

Concen: 20.924 ug/l

RT: 2.29 min Scan# 347

Delta R.T. 0.00 min

Lab File: VU027231.D

Acq: 27 Sep 2018 17:54

Instrument :

MSVOA_U

ClientSampleId :

VU0928WBS01

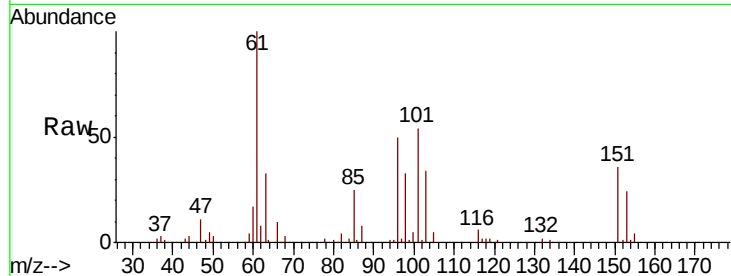
Tot Ion:101 Resp: 24808

Ion Ratio Lower Upper

101 100

85 45.6 36.2 54.2

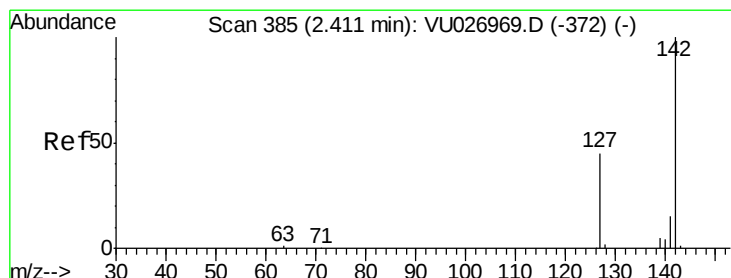
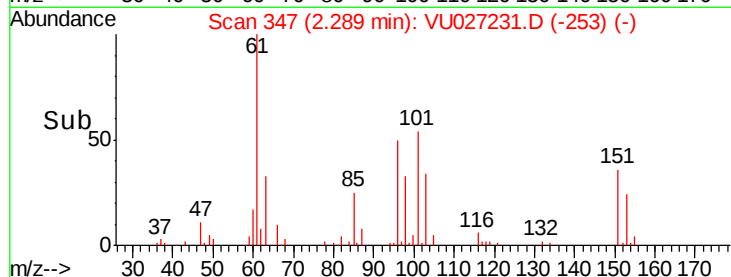
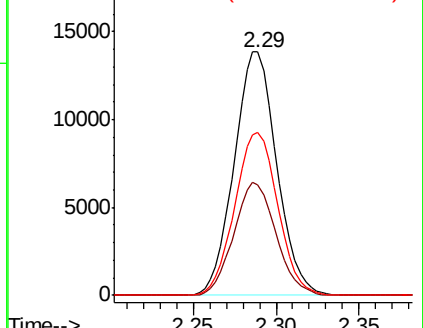
151 67.5 54.5 81.7



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: 7.724 ug/l

RT: 2.41 min Scan# 385

Delta R.T. 0.00 min

Lab File: VU027231.D

Acq: 27 Sep 2018 17:54

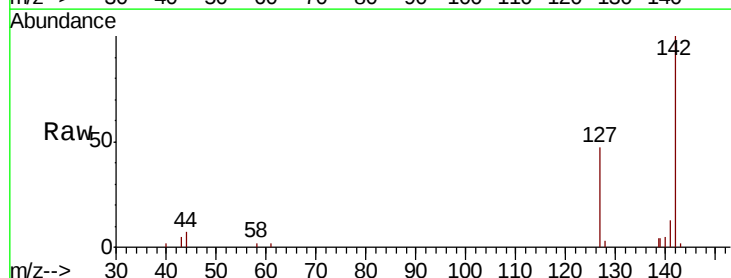
Tgt Ion:142 Resp: 11358

Ion Ratio Lower Upper

142 100

127 45.8 36.7 55.1

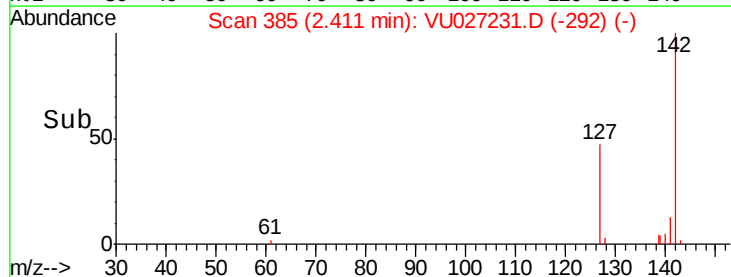
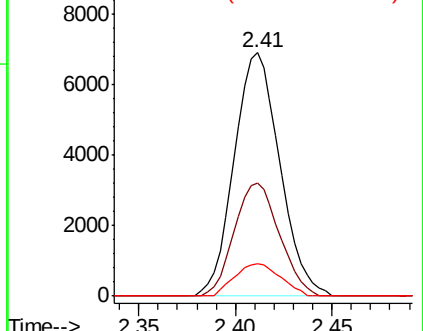
141 13.3 11.8 17.6

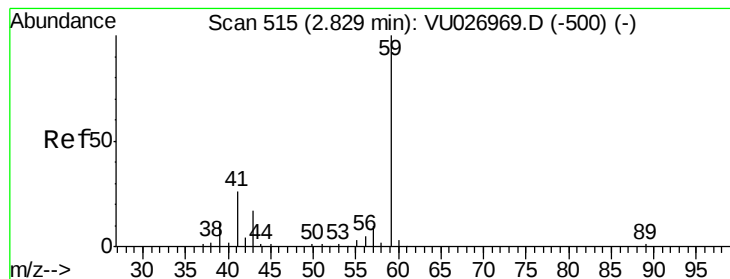


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



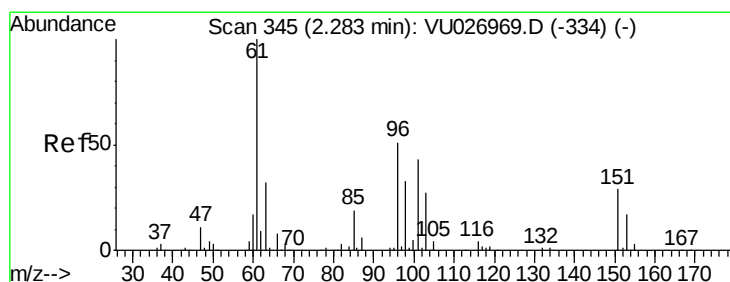
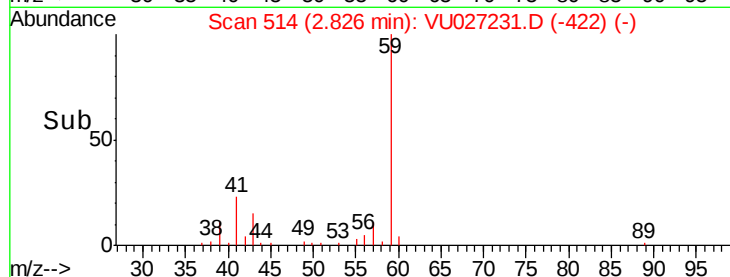
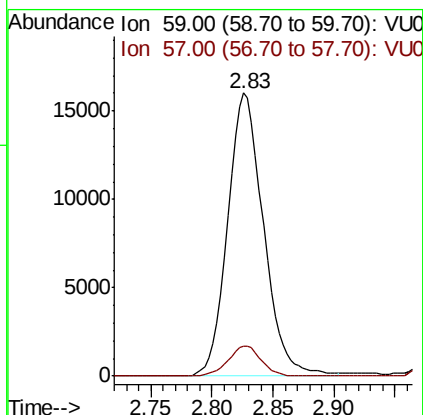
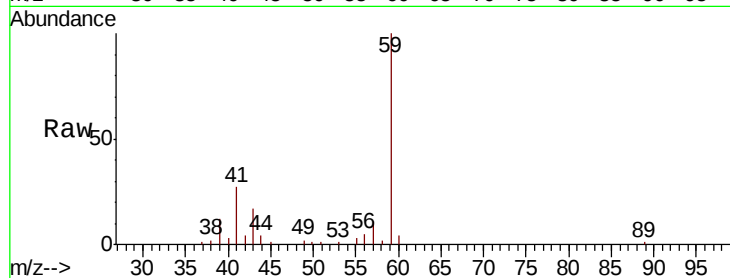


#11

Tert butyl alcohol
 Concen: 88.146 ug/l
 RT: 2.83 min Scan# 514
 Delta R.T. -0.00 min
 Lab File: VU027231.D
 Acq: 27 Sep 2018 17:54

Instrument :
 MSVOA_U
 ClientSampleId :
 VU0928WBS01

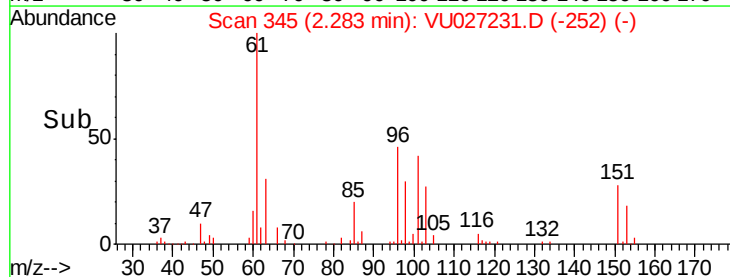
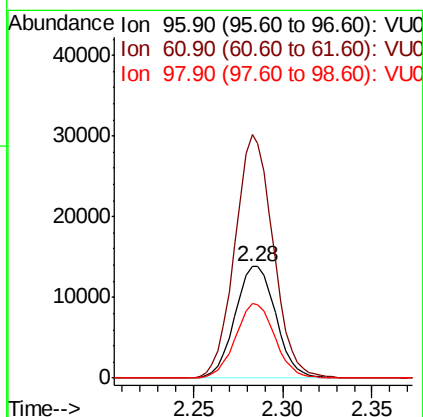
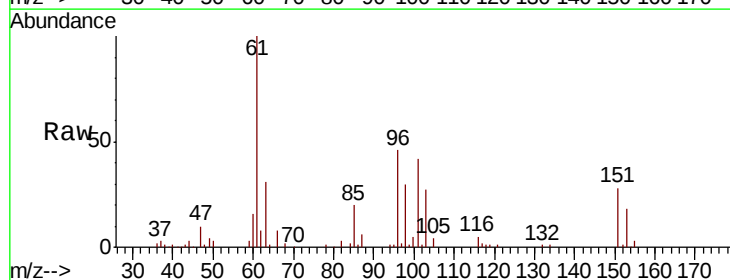
Tot Ion: 59 Resp: 32855
 Ion Ratio Lower Upper
 59 100
 57 9.7 8.5 12.7

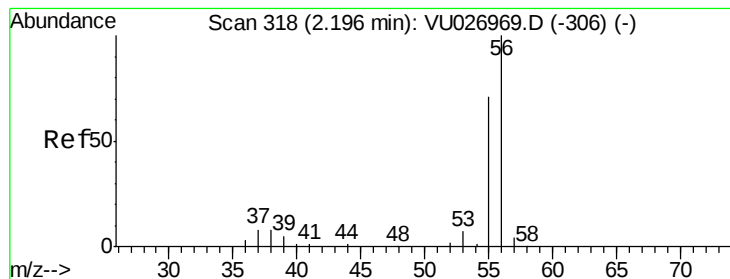


#12

1,1-Dichloroethene
 Concen: 19.771 ug/l
 RT: 2.28 min Scan# 345
 Delta R.T. 0.00 min
 Lab File: VU027231.D
 Acq: 27 Sep 2018 17:54

Tgt Ion: 96 Resp: 22063
 Ion Ratio Lower Upper
 96 100
 61 218.0 156.1 234.1
 98 66.4 51.4 77.0





#13

Acrolein

Concen: 54.193 ug/l

RT: 2.20 min Scan# 318

Delta R.T. 0.00 min

Lab File: VU027231.D

Acq: 27 Sep 2018 17:54

Instrument :

MSVOA_U

ClientSampleId :

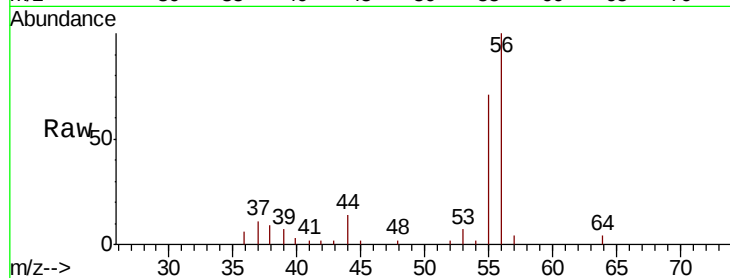
VU0928WBS01

Tot Ion: 56 Resp: 10889

Ion Ratio Lower Upper

56 100

55 69.5 57.1 85.7



Abundance Ion 56.00 (55.70 to 56.70): VU0

Ion 55.00 (54.70 to 55.70): VU0

2.20

8000

6000

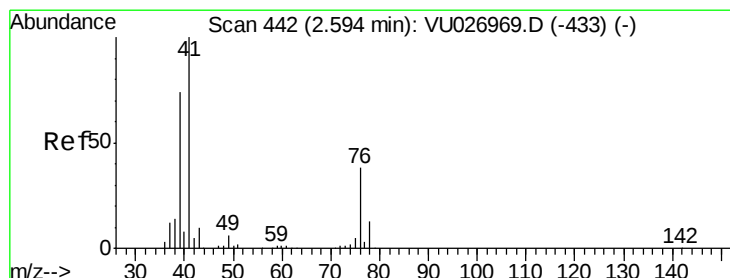
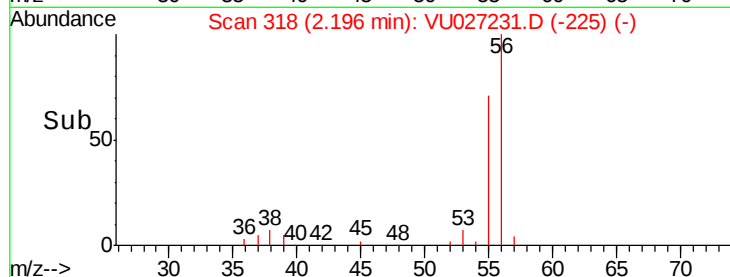
4000

2000

0

Time-->

2.15 2.20 2.25



#14

Allyl chloride

Concen: 22.966 ug/l

RT: 2.59 min Scan# 442

Delta R.T. 0.00 min

Lab File: VU027231.D

Acq: 27 Sep 2018 17:54

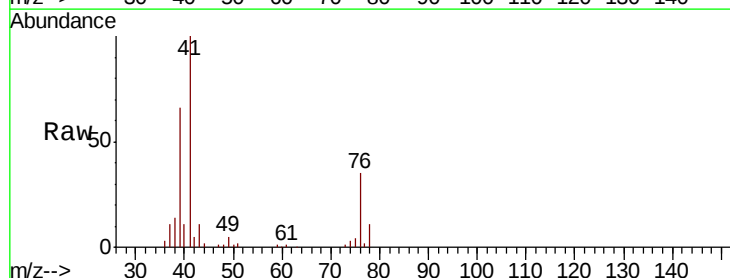
Tgt Ion: 41 Resp: 51982

Ion Ratio Lower Upper

41 100

39 67.8 55.7 83.5

76 32.3 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

40000

30000

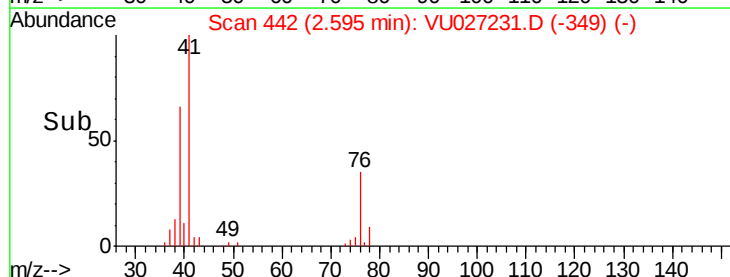
20000

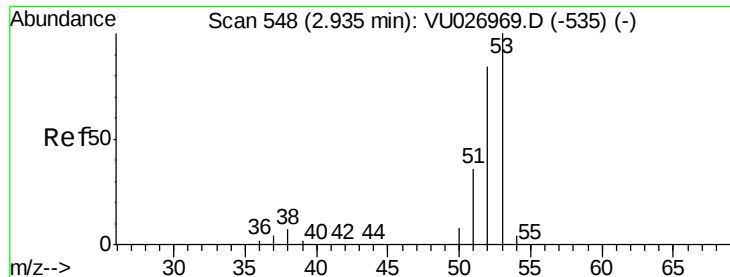
10000

0

Time-->

2.55 2.60 2.65 2.70





#15

Acrylonitrile

Concen: 107.755 ug/l

RT: 2.94 min Scan# 548

Delta R.T. 0.00 min

Lab File: VU027231.D

Acq: 27 Sep 2018 17:54

Instrument :

MSVOA_U

ClientSampleId :

VU0928WBS01

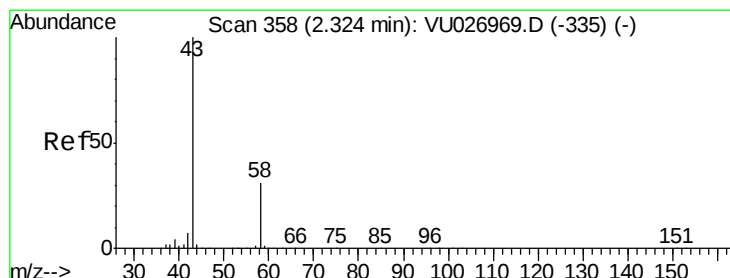
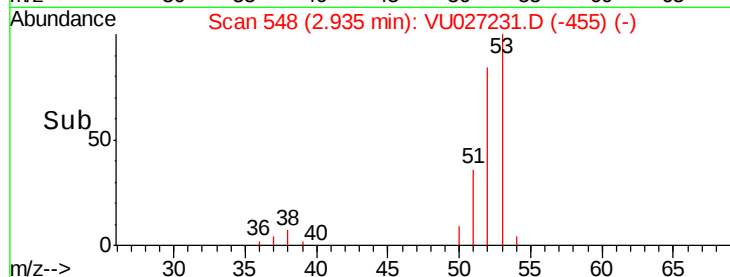
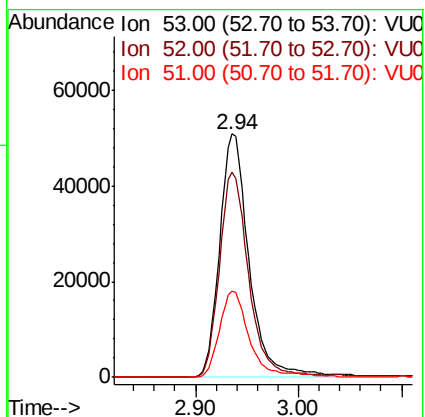
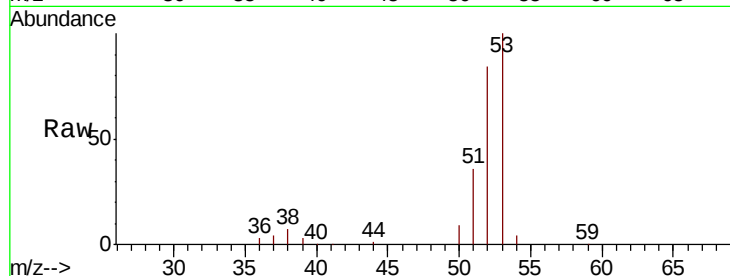
Tot Ion: 53 Resp: 101229

Ion Ratio Lower Upper

53 100

52 83.6 65.7 98.5

51 36.4 27.4 41.2



#16

Acetone

Concen: 110.363 ug/l

RT: 2.32 min Scan# 357

Delta R.T. -0.00 min

Lab File: VU027231.D

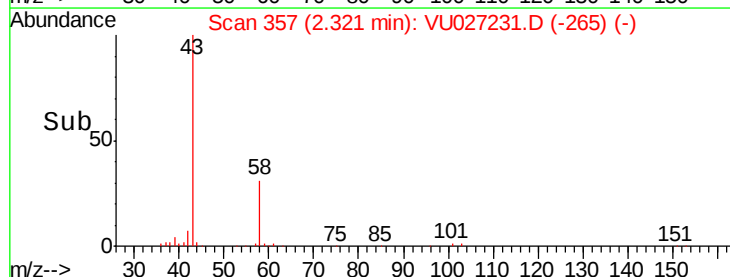
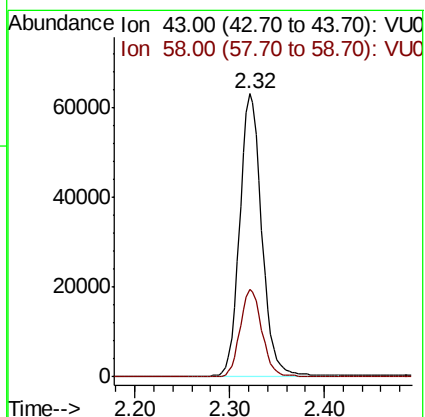
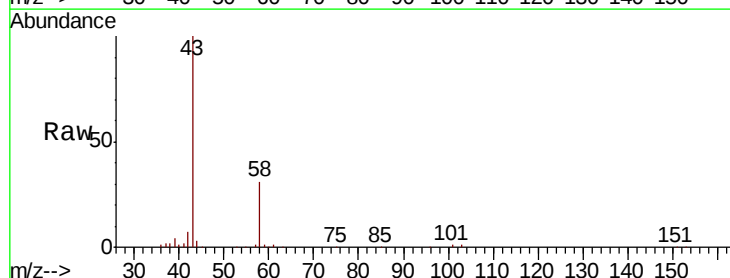
Acq: 27 Sep 2018 17:54

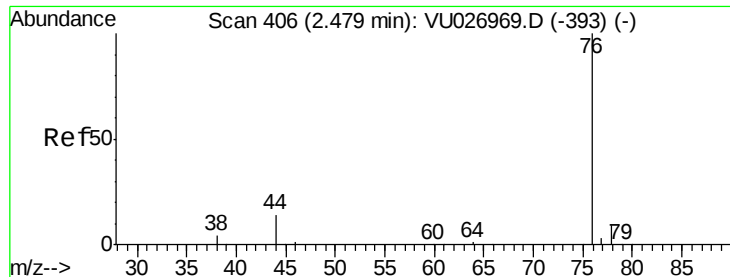
Tgt Ion: 43 Resp: 103338

Ion Ratio Lower Upper

43 100

58 30.9 24.6 36.8





#17

Carbon Disulfide

Concen: 21.731 ug/l

RT: 2.48 min Scan# 406

Delta R.T. 0.00 min

Lab File: VU027231.D

Acq: 27 Sep 2018 17:54

Instrument :

MSVOA_U

ClientSampleId :

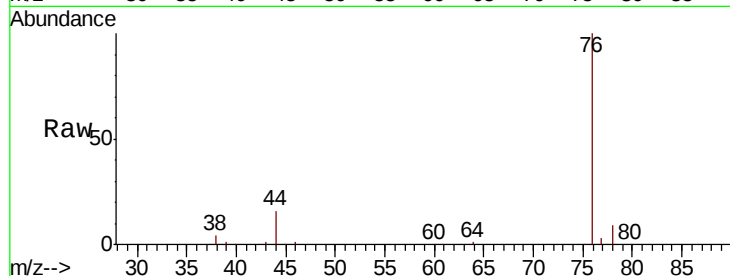
VU0928WBS01

Tot Ion: 76 Resp: 78999

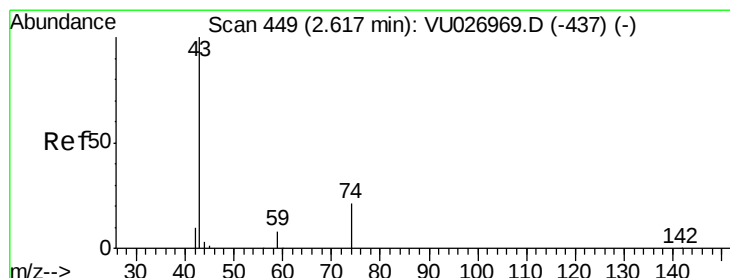
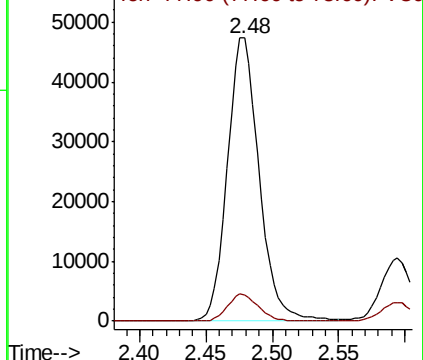
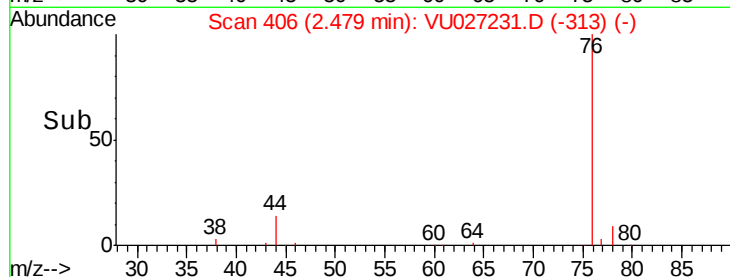
Ion Ratio Lower Upper

76 100

78 9.3 7.1 10.7



Abundance Ion 75.90 (75.60 to 76.60): VU027231.D (-313) (-)



#18

Methyl Acetate

Concen: 23.799 ug/l

RT: 2.62 min Scan# 449

Delta R.T. 0.00 min

Lab File: VU027231.D

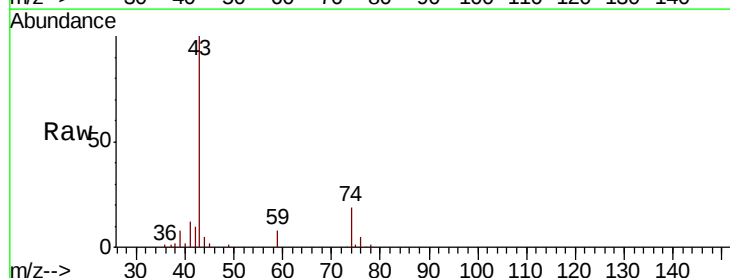
Acq: 27 Sep 2018 17:54

Tgt Ion: 43 Resp: 55086

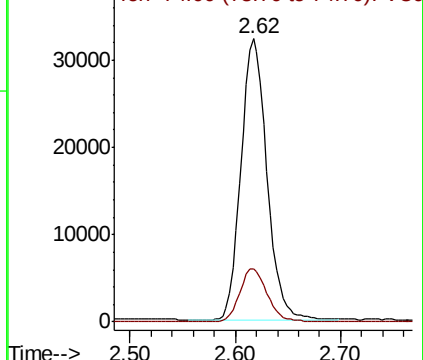
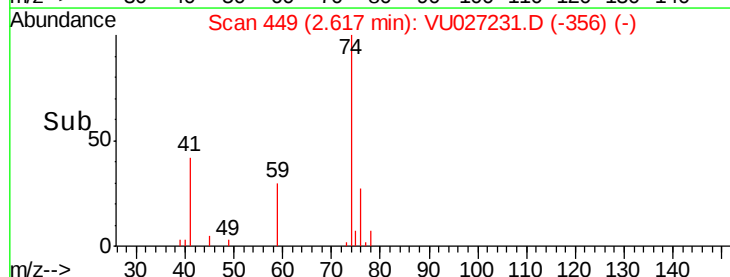
Ion Ratio Lower Upper

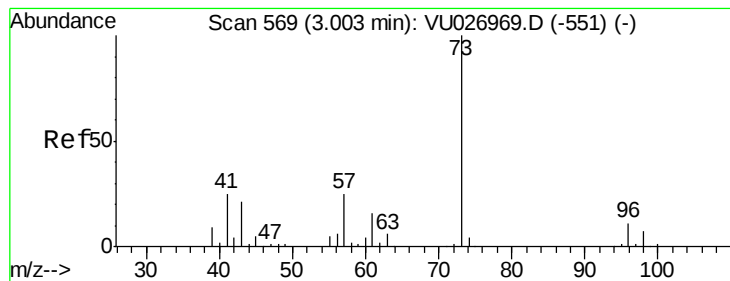
43 100

74 19.9 16.6 25.0



Abundance Ion 43.00 (42.70 to 43.70): VU027231.D (-356) (-)



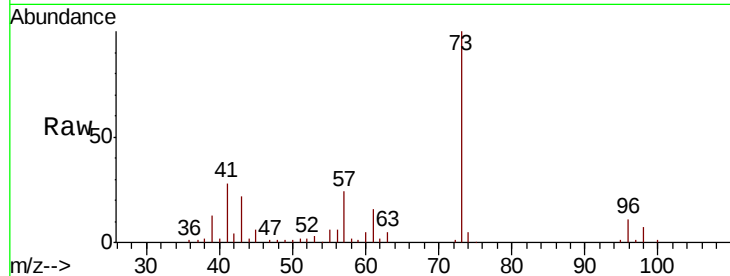


#19

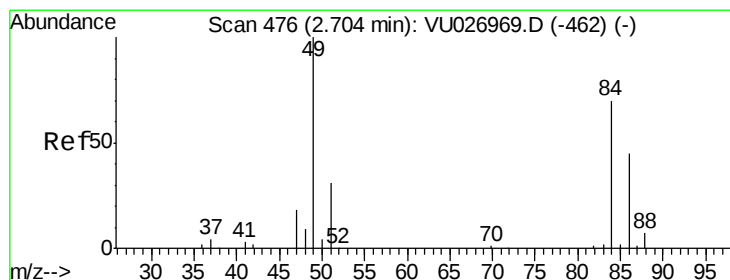
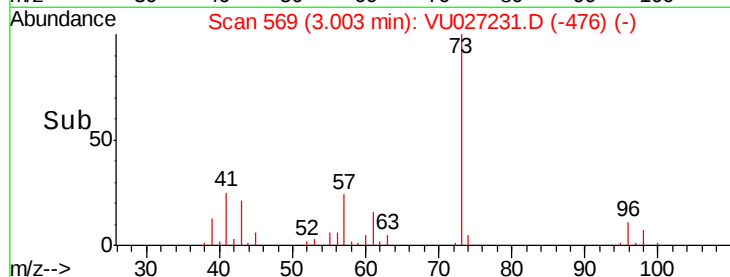
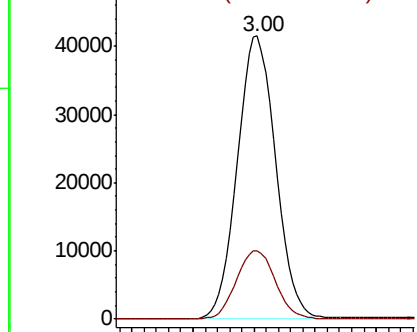
Methyl tert-butyl Ether
 Concen: 22.091 ug/l
 RT: 3.00 min Scan# 569
 Delta R.T. 0.00 min
 Lab File: VU027231.D
 Acq: 27 Sep 2018 17:54

Instrument :
 MSVOA_U
 ClientSampleId :
 VU0928WBS01

Tot Ion: 73 Resp: 90590
 Ion Ratio Lower Upper
 73 100
 57 24.1 19.8 29.6



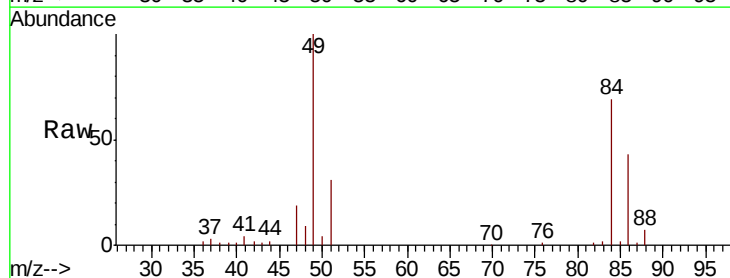
Abundance Ion 73.00 (72.70 to 73.70): VU0
 Ion 57.00 (56.70 to 57.70): VU0



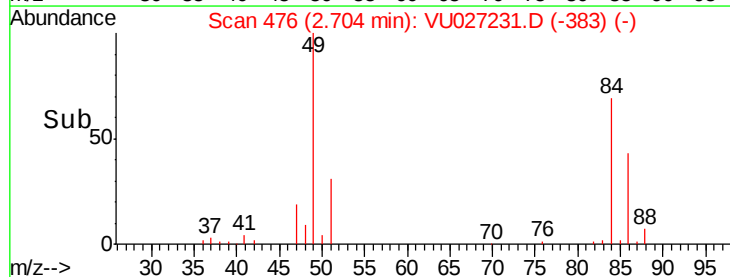
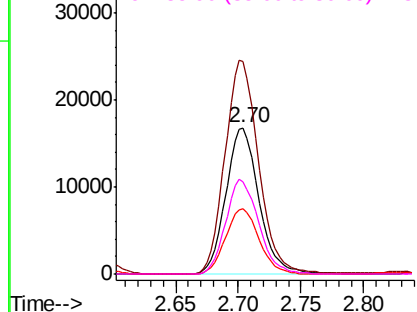
#20

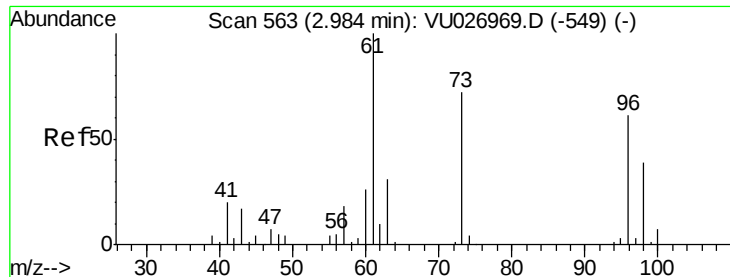
Methylene Chloride
 Concen: 21.038 ug/l
 RT: 2.70 min Scan# 476
 Delta R.T. 0.00 min
 Lab File: VU027231.D
 Acq: 27 Sep 2018 17:54

Tgt Ion: 84 Resp: 30640
 Ion Ratio Lower Upper
 84 100
 49 145.8 114.9 172.3
 51 44.8 35.8 53.8
 86 63.3 51.3 76.9



Abundance Ion 83.90 (83.60 to 84.60): VU0
 Ion 48.90 (48.60 to 49.60): VU0
 Ion 50.90 (50.60 to 51.60): VU0
 Ion 85.90 (85.60 to 86.60): VU0





#21

trans-1,2-Dichloroethene

Concen: 21.726 ug/l

RT: 2.98 min Scan# 563

Delta R.T. 0.00 min

Lab File: VU027231.D

Acq: 27 Sep 2018 17:54

Instrument :

MSVOA_U

ClientSampleId :

VU0928WBS01

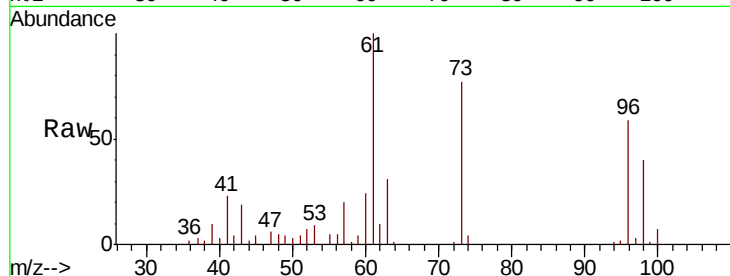
Tot Ion: 96 Resp: 25885

Ion Ratio Lower Upper

96 100

61 170.8 131.8 197.6

98 67.6 50.9 76.3

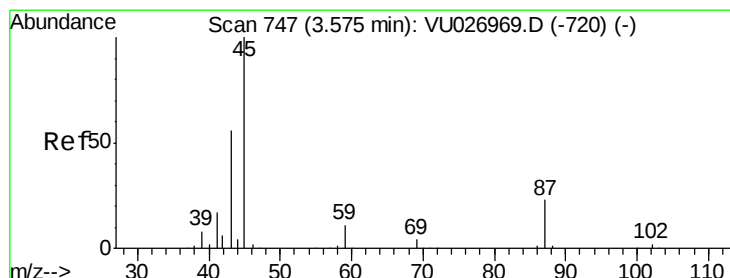
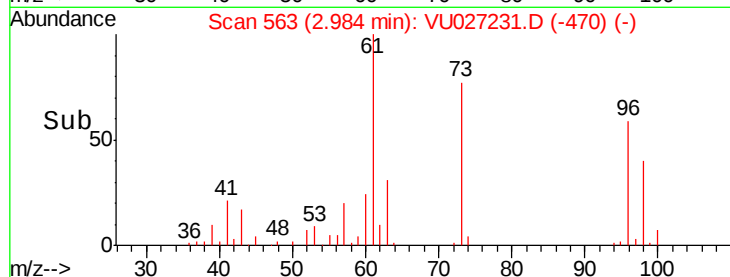
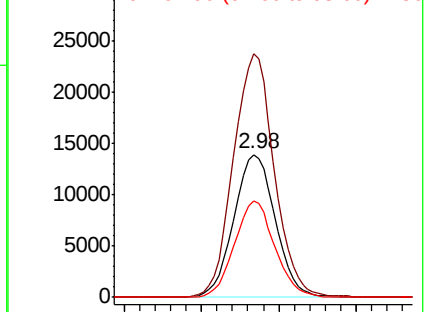


Abundance

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: 23.774 ug/l

RT: 3.58 min Scan# 747

Delta R.T. 0.00 min

Lab File: VU027231.D

Acq: 27 Sep 2018 17:54

Tgt Ion: 45 Resp: 115095

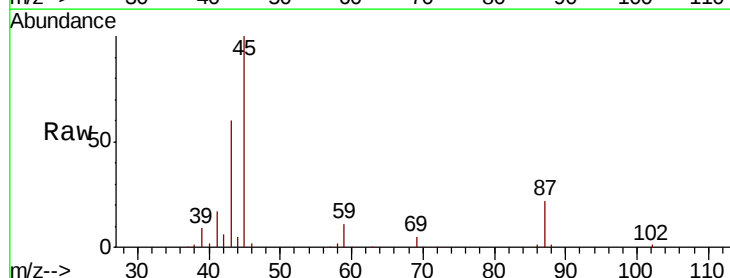
Ion Ratio Lower Upper

45 100

43 55.6 45.8 68.6

87 21.9 18.6 28.0

59 10.6 9.0 13.4



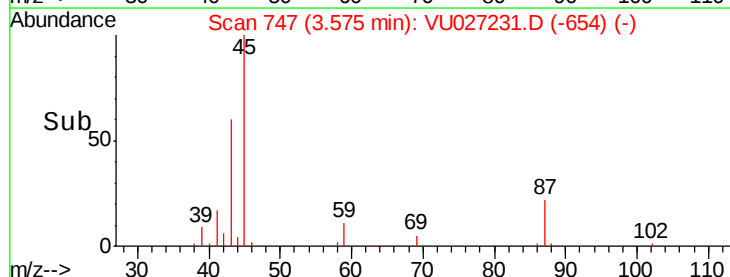
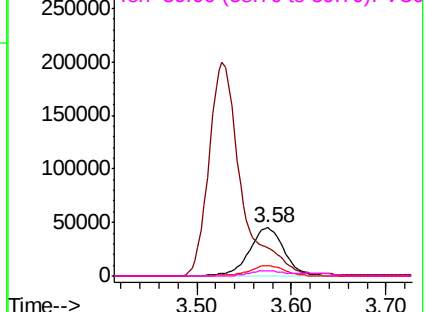
Abundance

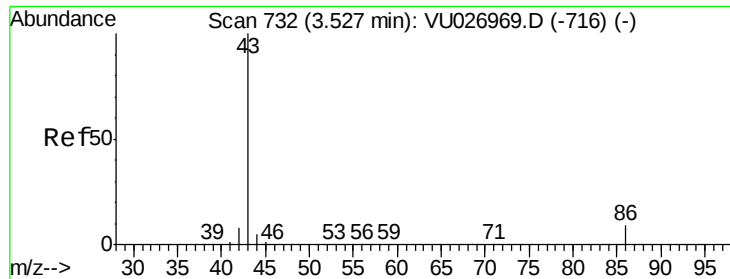
Ion 45.00 (44.70 to 45.70): VU0

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: 116.289 ug/l

RT: 3.53 min Scan# 732

Delta R.T. 0.00 min

Lab File: VU027231.D

Acq: 27 Sep 2018 17:54

Instrument :

MSVOA_U

ClientSampleId :

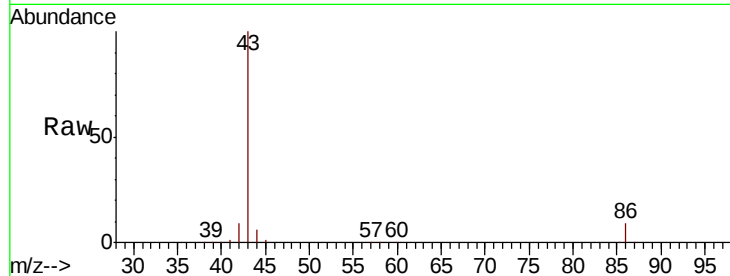
VU0928WBS01

Tot Ion: 43 Resp: 479896

Ion Ratio Lower Upper

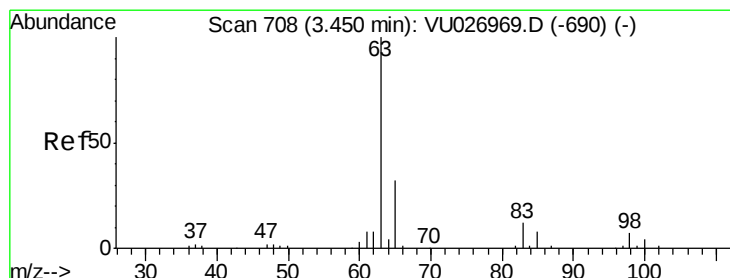
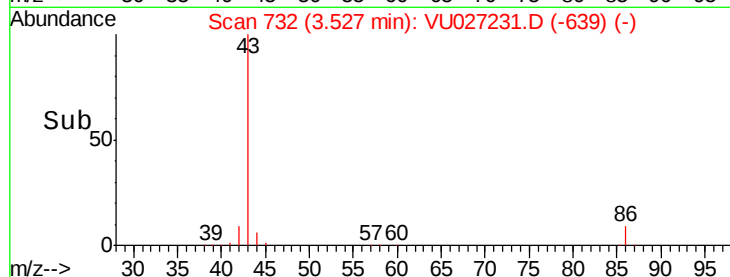
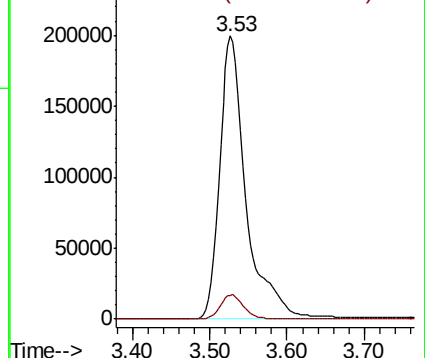
43 100

86 8.5 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: 22.478 ug/l

RT: 3.45 min Scan# 708

Delta R.T. 0.00 min

Lab File: VU027231.D

Acq: 27 Sep 2018 17:54

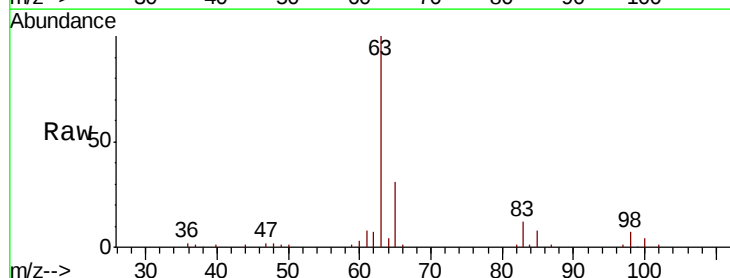
Tgt Ion: 63 Resp: 59935

Ion Ratio Lower Upper

63 100

98 6.5 3.3 9.8

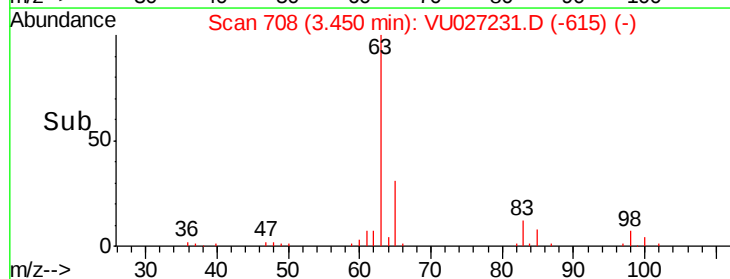
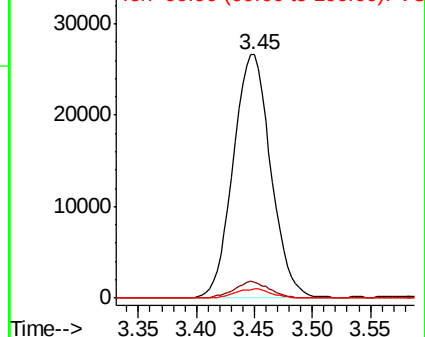
100 3.7 2.0 5.8

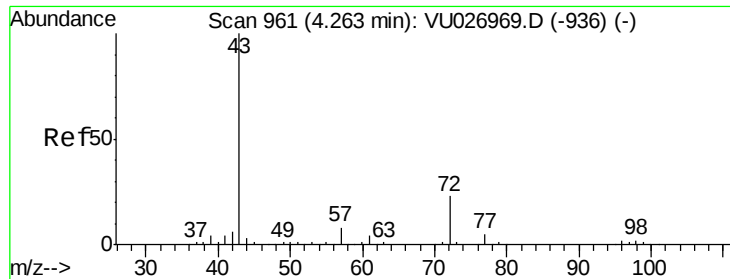


Abundance Ion 62.90 (62.60 to 63.60): VU0

Ion 97.90 (97.60 to 98.60): VU0

Ion 99.90 (99.60 to 100.60): VU0





#25

2-Butanone

Concen: 105.917 ug/l

RT: 4.26 min Scan# 961

Delta R.T. 0.00 min

Lab File: VU027231.D

Acq: 27 Sep 2018 17:54

Instrument :

MSVOA_U

ClientSampleId :

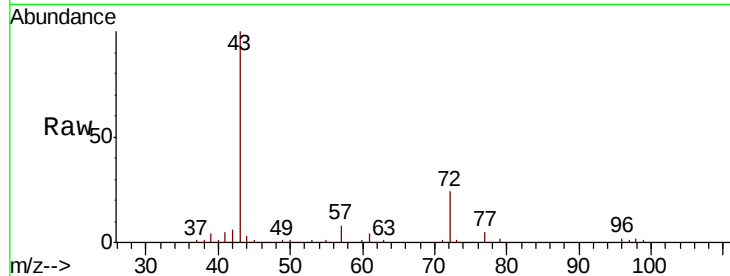
VU0928WBS01

Tot Ion: 43 Resp: 144749

Ion Ratio Lower Upper

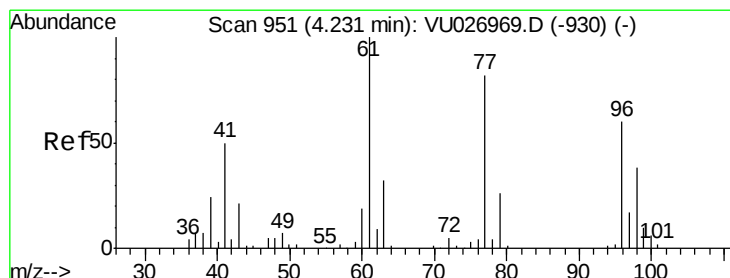
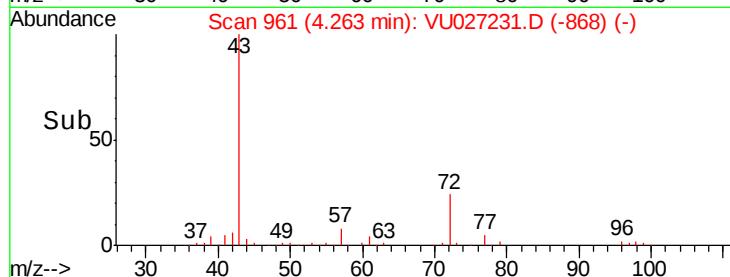
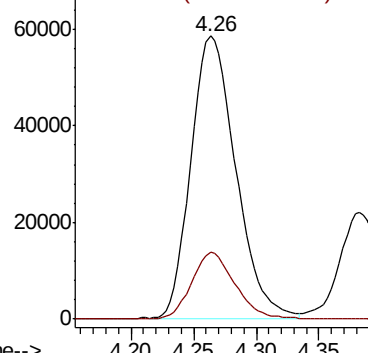
43 100

72 23.5 18.4 27.6



Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 72.00 (71.70 to 72.70): VU0



#26

2,2-Dichloropropane

Concen: 22.970 ug/l

RT: 4.23 min Scan# 951

Delta R.T. 0.00 min

Lab File: VU027231.D

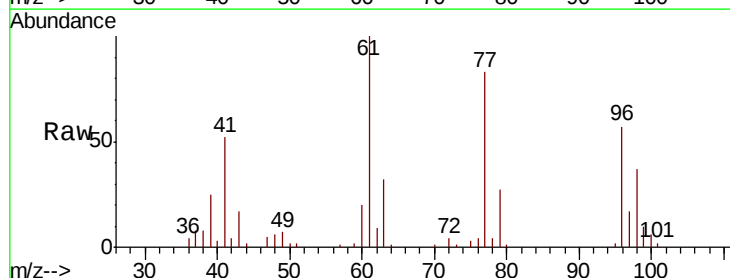
Acq: 27 Sep 2018 17:54

Tgt Ion: 77 Resp: 47765

Ion Ratio Lower Upper

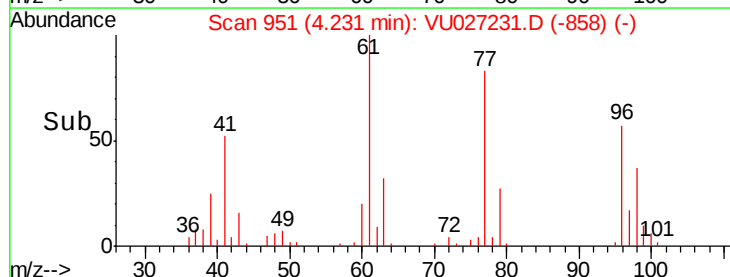
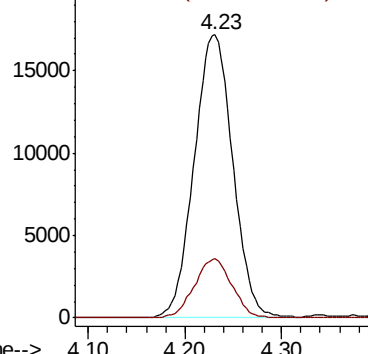
77 100

97 20.1 10.5 31.5



Abundance Ion 76.90 (76.60 to 77.60): VU0

Ion 96.90 (96.60 to 97.60): VU0



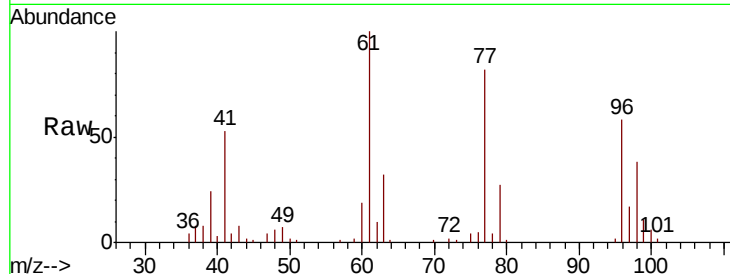


#27

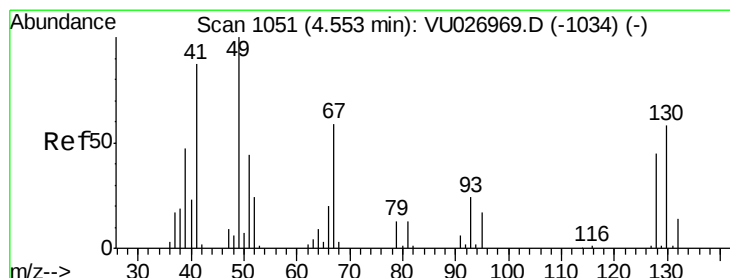
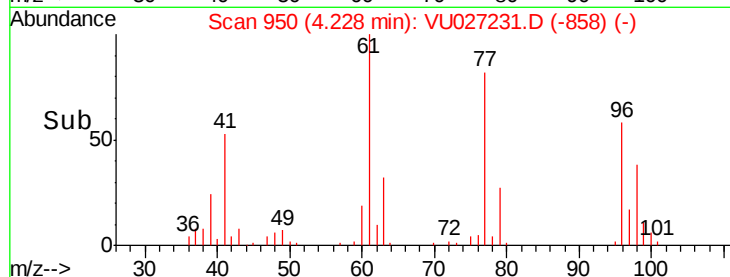
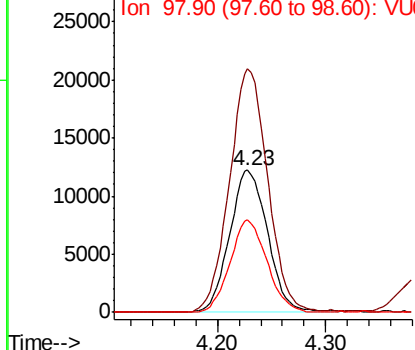
cis-1,2-Dichloroethene
Concen: 22.254 ug/l
RT: 4.23 min Scan# 950
Delta R.T. -0.00 min
Lab File: VU027231.D
Acq: 27 Sep 2018 17:54

Instrument :
MSVOA_U
ClientSampleId :
VU0928WBS01

Tot Ion: 96 Resp: 29944
Ion Ratio Lower Upper
96 100
61 172.4 0.0 337.2
98 62.9 0.0 127.6



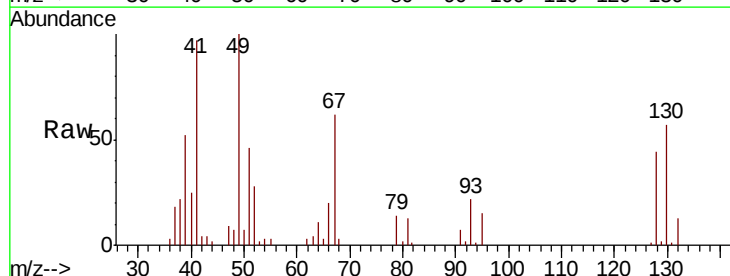
Abundance Ion 95.90 (95.60 to 96.60): VU0
Ion 60.90 (60.60 to 61.60): VU0
Ion 97.90 (97.60 to 98.60): VU0



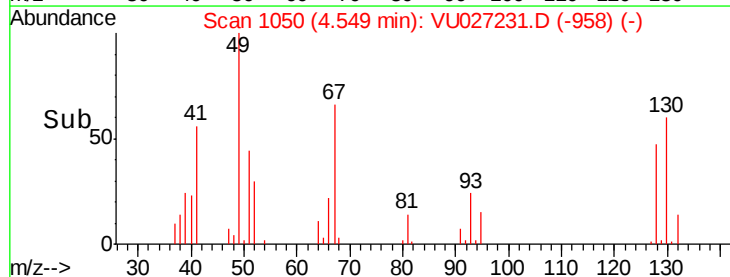
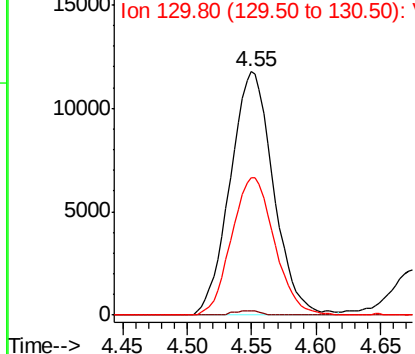
#28

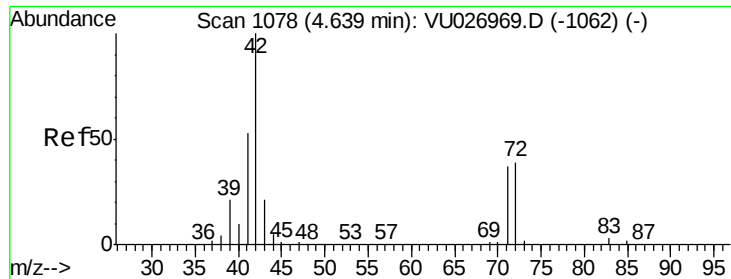
Bromochloromethane
Concen: 21.374 ug/l
RT: 4.55 min Scan# 1050
Delta R.T. -0.00 min
Lab File: VU027231.D
Acq: 27 Sep 2018 17:54

Tgt Ion: 49 Resp: 27472
Ion Ratio Lower Upper
49 100
129 1.0 0.0 3.0
130 55.9 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: 110.352 ug/l

RT: 4.64 min Scan# 1079

Delta R.T. 0.00 min

Lab File: VU027231.D

Acq: 27 Sep 2018 17:54

Instrument :

MSVOA_U

ClientSampleId :

VU0928WBS01

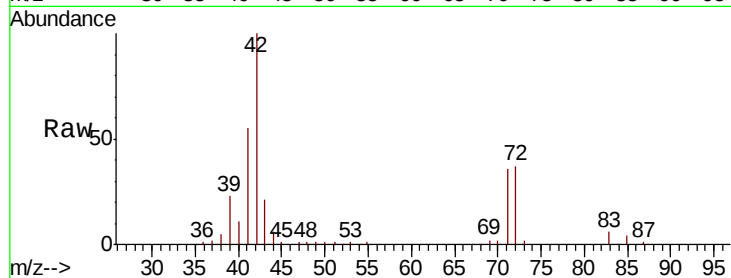
Tot Ion: 42 Resp: 91230

Ion Ratio Lower Upper

42 100

72 37.8 31.7 47.5

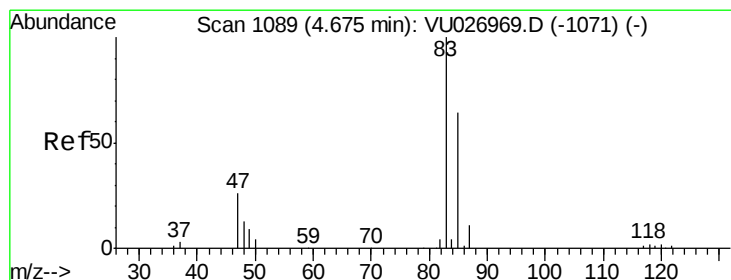
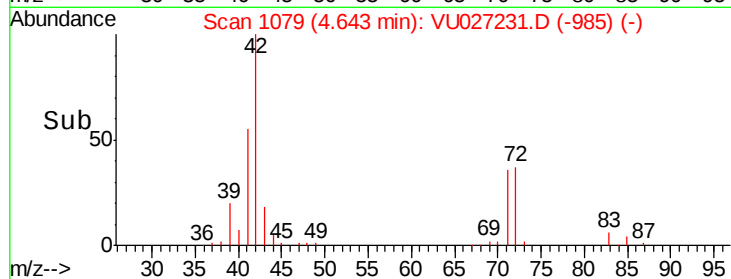
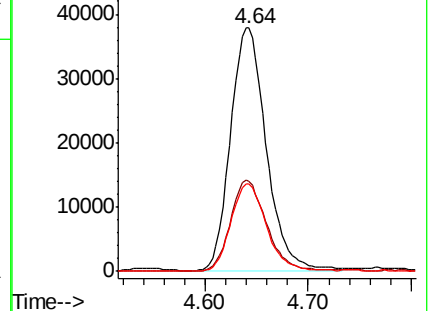
71 35.9 29.6 44.4



Abundance Ion 42.00 (41.70 to 42.70): VU0

Ion 72.00 (71.70 to 72.70): VU0

Ion 71.00 (70.70 to 71.70): VU0



#30

Chloroform

Concen: 22.031 ug/l

RT: 4.67 min Scan# 1089

Delta R.T. 0.00 min

Lab File: VU027231.D

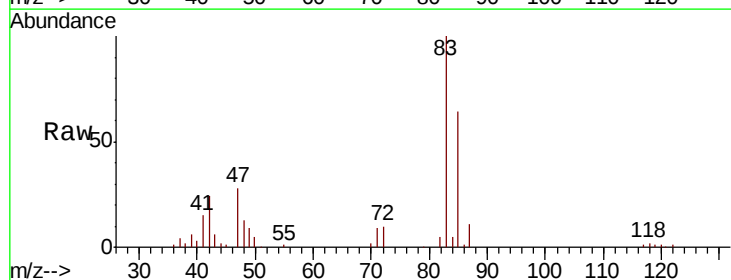
Acq: 27 Sep 2018 17:54

Tgt Ion: 83 Resp: 54527

Ion Ratio Lower Upper

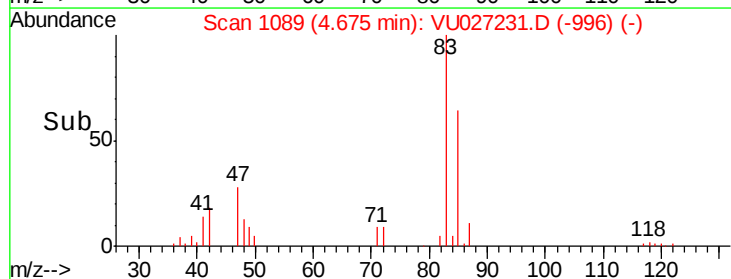
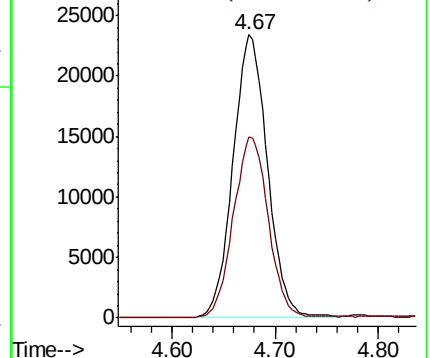
83 100

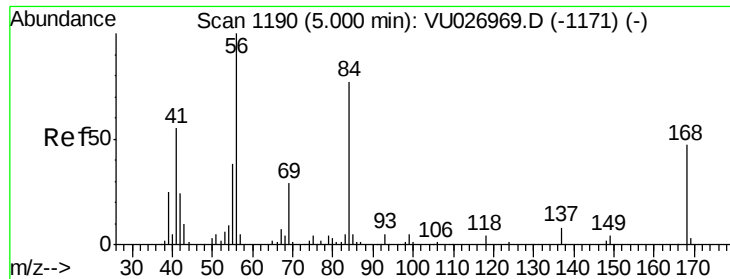
85 63.7 51.5 77.3



Abundance Ion 82.90 (82.60 to 83.60): VU0

Ion 84.90 (84.60 to 85.60): VU0





#31

Cyclohexane

Concen: 22.082 ug/l

RT: 5.00 min Scan# 1189

Delta R.T. -0.00 min

Lab File: VU027231.D

Acq: 27 Sep 2018 17:54

Instrument :

MSVOA_U

ClientSampleId :

VU0928WBS01

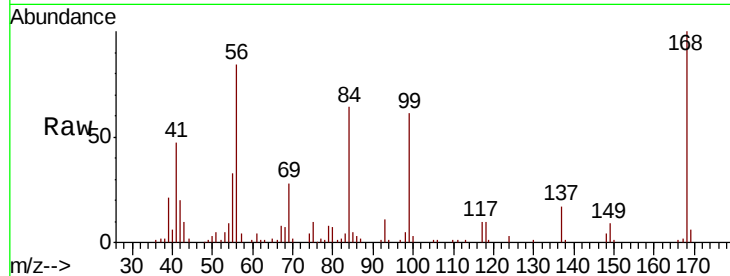
Tot Ion: 56 Resp: 54300

Ion Ratio Lower Upper

56 100

69 33.1 23.0 34.4

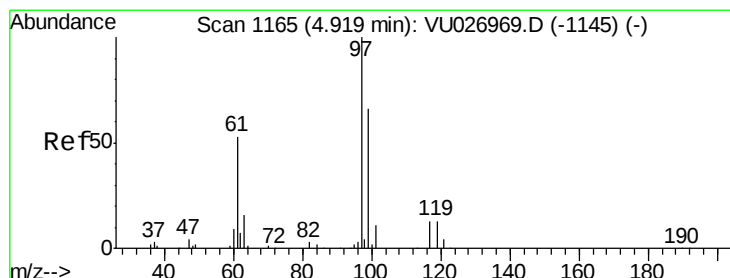
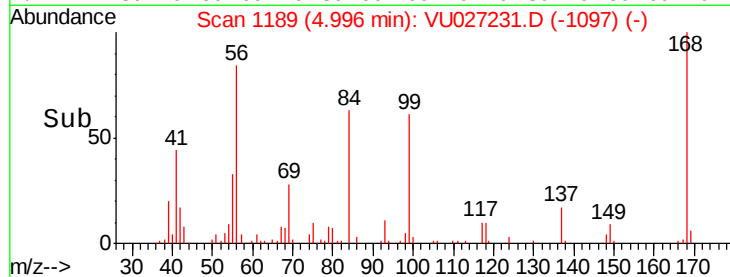
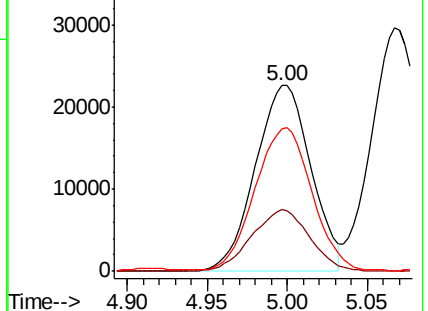
84 75.8 61.4 92.2



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: 22.790 ug/l

RT: 4.92 min Scan# 1164

Delta R.T. -0.00 min

Lab File: VU027231.D

Acq: 27 Sep 2018 17:54

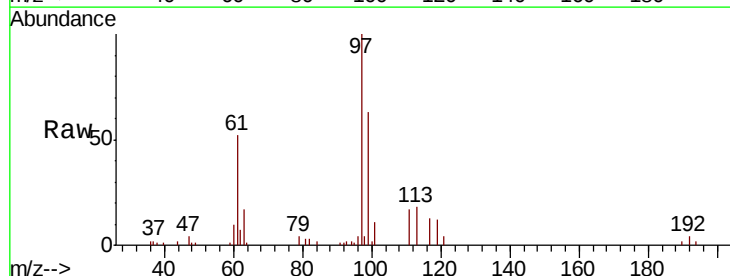
Tgt Ion: 97 Resp: 45036

Ion Ratio Lower Upper

97 100

99 61.3 51.8 77.6

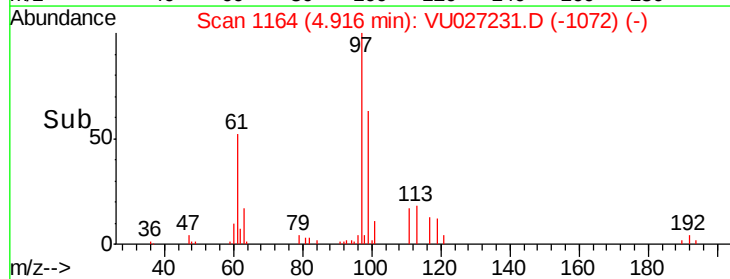
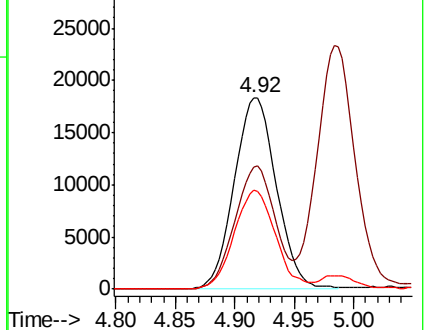
61 50.8 41.1 61.7

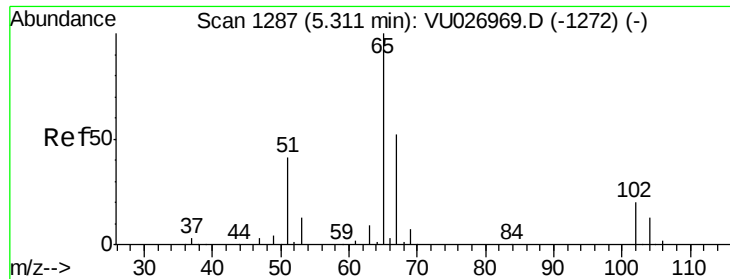


Abundance Ion 96.90 (96.60 to 97.60): VU0

Ion 98.90 (98.60 to 99.60): VU0

Ion 60.90 (60.60 to 61.60): VU0

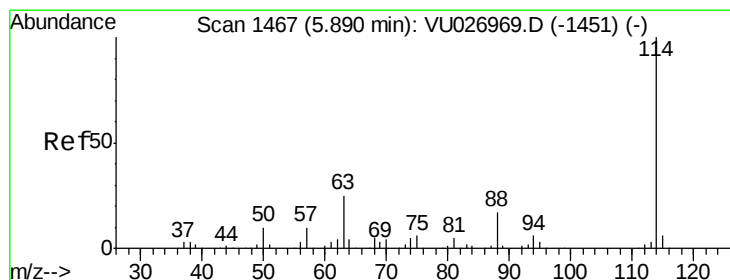
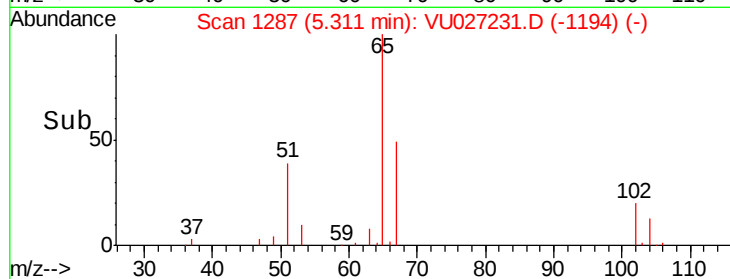
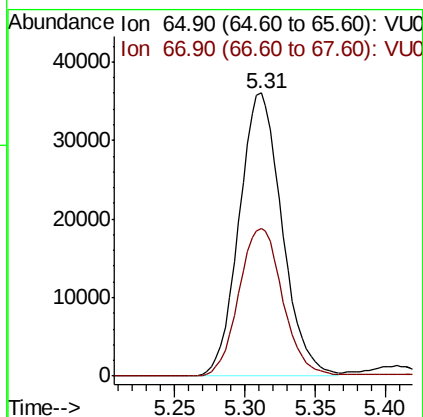
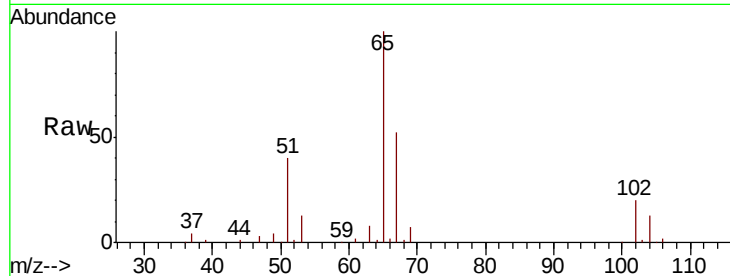




#33
 1,2-Dichloroethane-d4
 Concen: 47.132 ug/l
 RT: 5.31 min Scan# 1287
 Delta R.T. 0.00 min
 Lab File: VU027231.D
 Acq: 27 Sep 2018 17:54

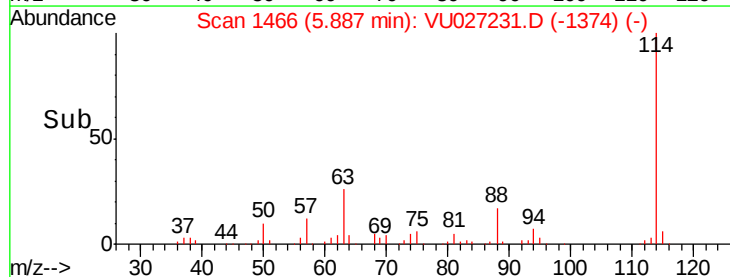
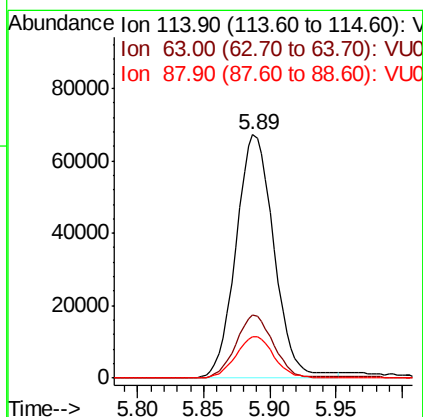
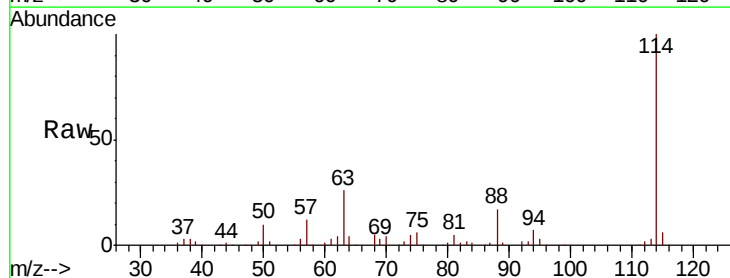
Instrument :
 MSVOA_U
 ClientSampleId :
 VU0928WBS01

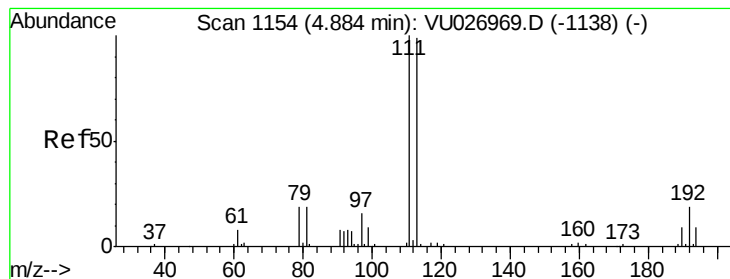
Tot Ion: 65 Resp: 76646
 Ion Ratio Lower Upper
 65 100
 67 53.3 0.0 105.6



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 5.89 min Scan# 1466
 Delta R.T. -0.00 min
 Lab File: VU027231.D
 Acq: 27 Sep 2018 17:54

Tgt Ion: 114 Resp: 134090
 Ion Ratio Lower Upper
 114 100
 63 25.9 0.0 49.2
 88 17.1 0.0 33.8





#35

Dibromofluoromethane

Concen: 48.282 ug/l

RT: 4.88 min Scan# 1154

Delta R.T. 0.00 min

Lab File: VU027231.D

Acq: 27 Sep 2018 17:54

Instrument :

MSVOA_U

ClientSampleId :

VU0928WBS01

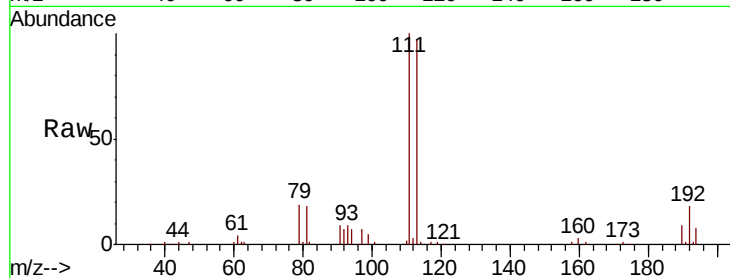
Tot Ion:113 Resp: 56118

Ion Ratio Lower Upper

113 100

111 100.8 82.2 123.4

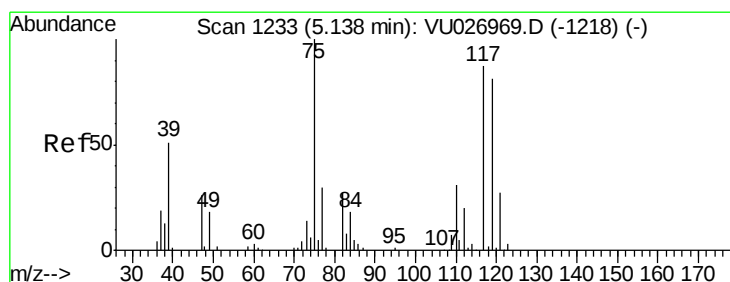
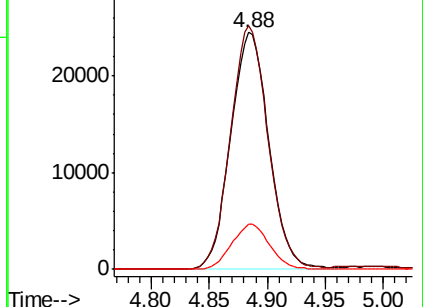
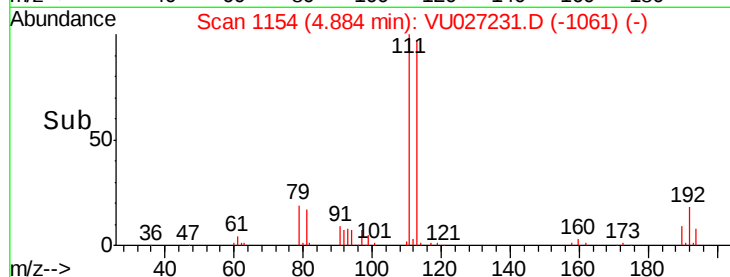
192 18.7 15.2 22.8



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: 22.302 ug/l

RT: 5.14 min Scan# 1233

Delta R.T. 0.00 min

Lab File: VU027231.D

Acq: 27 Sep 2018 17:54

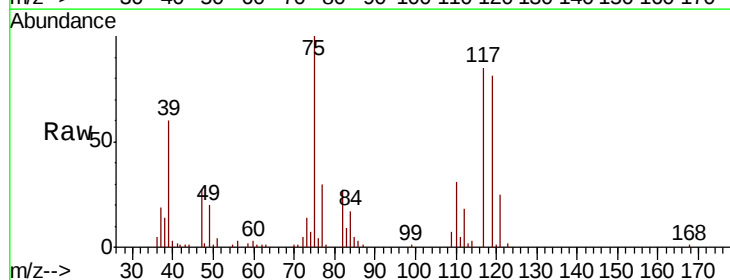
Tgt Ion: 75 Resp: 39911

Ion Ratio Lower Upper

75 100

110 31.1 16.1 48.2

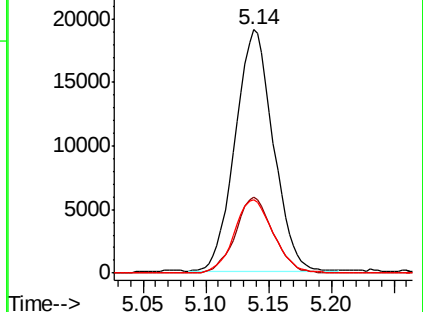
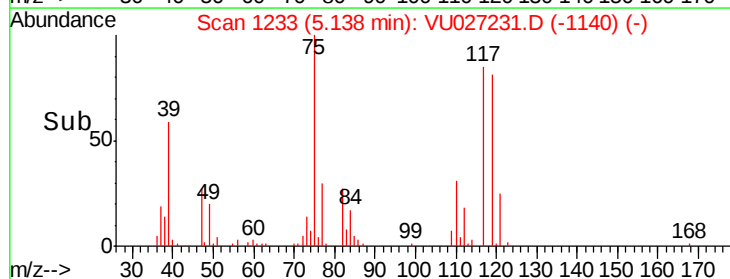
77 31.6 24.6 36.8

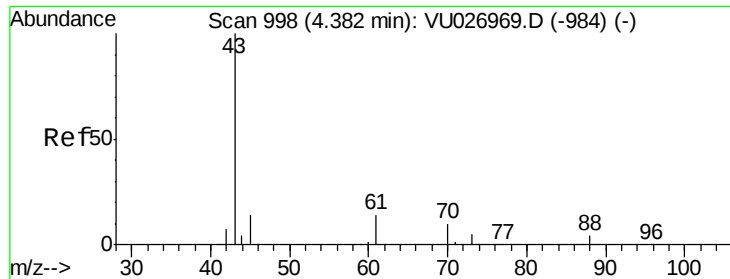


Abundance Ion 74.90 (74.60 to 75.60): VU0

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VU0

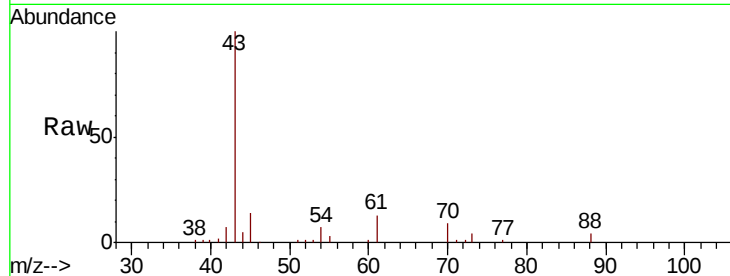




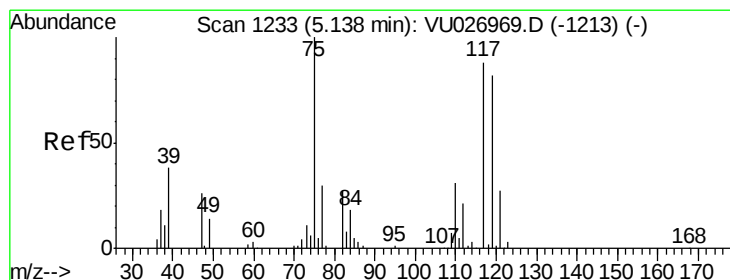
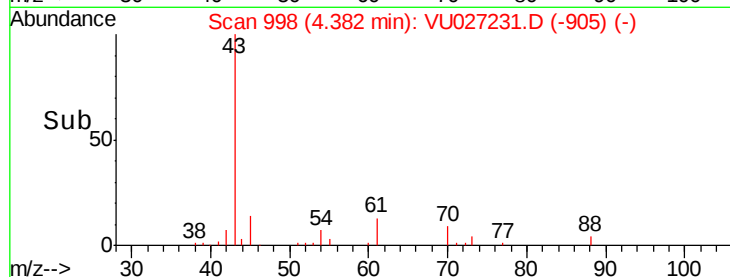
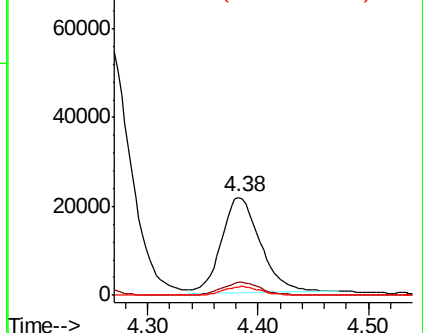
#37
Ethyl Acetate
Concen: 21.718 ug/l
RT: 4.38 min Scan# 998
Delta R.T. 0.00 min
Lab File: VU027231.D
Acq: 27 Sep 2018 17:54

Instrument :
MSVOA_U
ClientSampleId :
VU0928WBS01

Tot Ion: 43 Resp: 52614
Ion Ratio Lower Upper
43 100
61 12.8 10.5 15.7
70 9.0 7.4 11.0

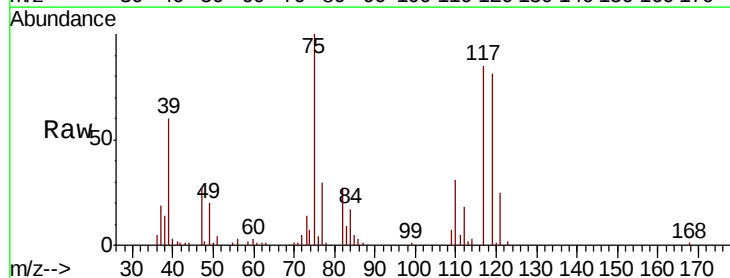


Abundance Ion 43.00 (42.70 to 43.70): VU0
Ion 60.90 (60.60 to 61.60): VU0
Ion 70.00 (69.70 to 70.70): VU0

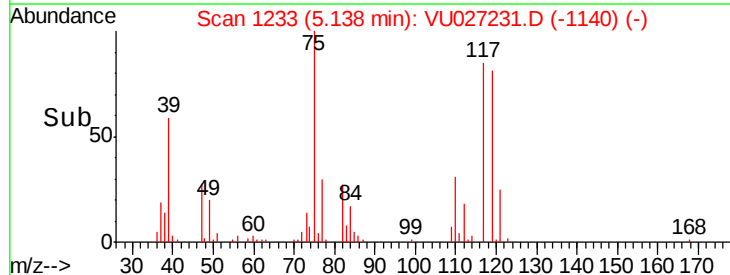
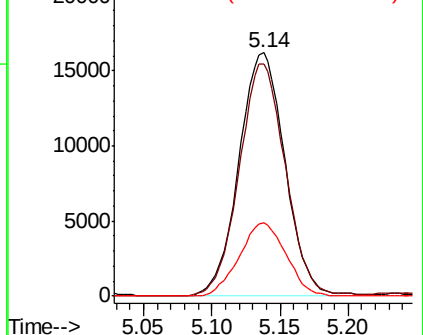


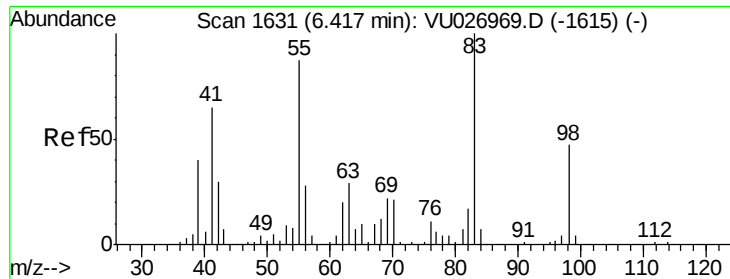
#38
Carbon Tetrachloride
Concen: 22.270 ug/l
RT: 5.14 min Scan# 1233
Delta R.T. 0.00 min
Lab File: VU027231.D
Acq: 27 Sep 2018 17:54

Tgt Ion: 117 Resp: 37927
Ion Ratio Lower Upper
117 100
119 95.4 74.4 111.6
121 30.0 24.2 36.4



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

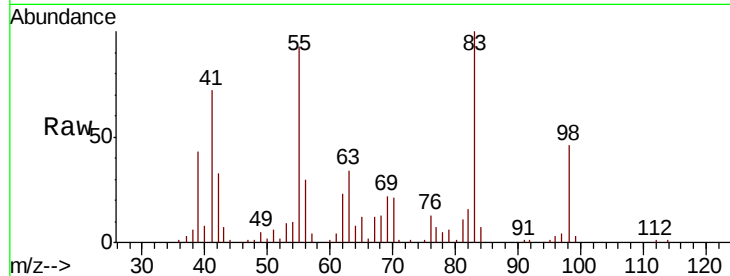




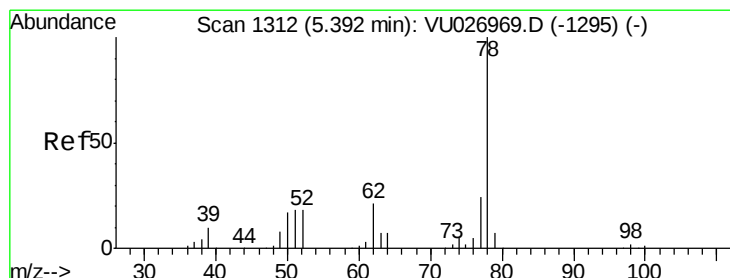
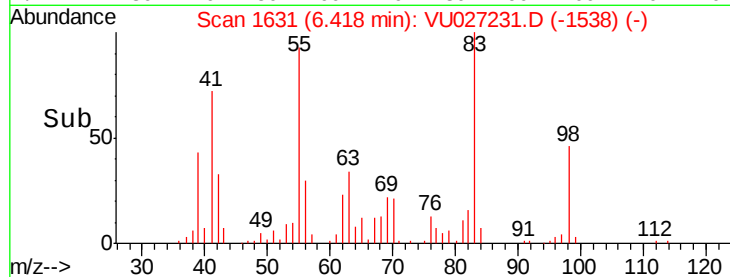
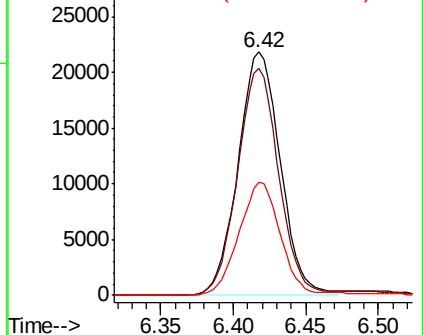
#39
Methvlcvclohexane
Concen: 22.769 ug/l
RT: 6.42 min Scan# 1631
Delta R.T. 0.00 min
Lab File: VU027231.D
Acq: 27 Sep 2018 17:54

Instrument :
MSVOA_U
ClientSampleId :
VU0928WBS01

Tot Ion: 83 Resp: 44280
Ion Ratio Lower Upper
83 100
55 93.2 69.9 104.9
98 46.5 37.5 56.3

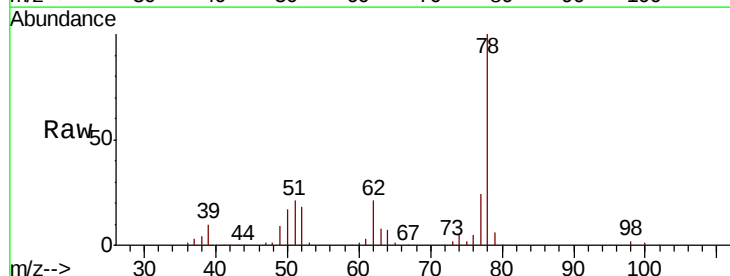


Abundance Ion 83.00 (82.70 to 83.70): VU0
Ion 55.00 (54.70 to 55.70): VU0
Ion 98.00 (97.70 to 98.70): VU0

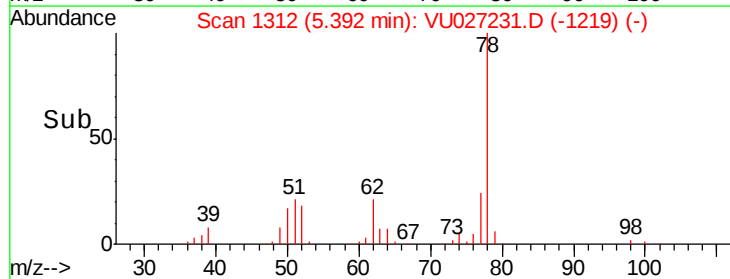
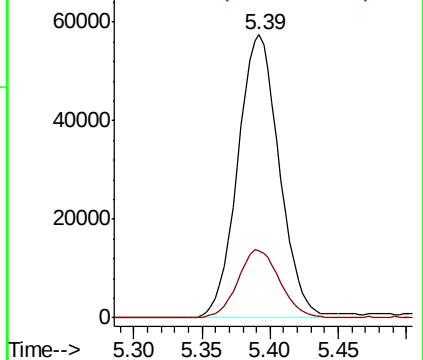


#40
Benzene
Concen: 22.351 ug/l
RT: 5.39 min Scan# 1312
Delta R.T. 0.00 min
Lab File: VU027231.D
Acq: 27 Sep 2018 17:54

Tgt Ion: 78 Resp: 121595
Ion Ratio Lower Upper
78 100
77 23.9 19.4 29.0



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

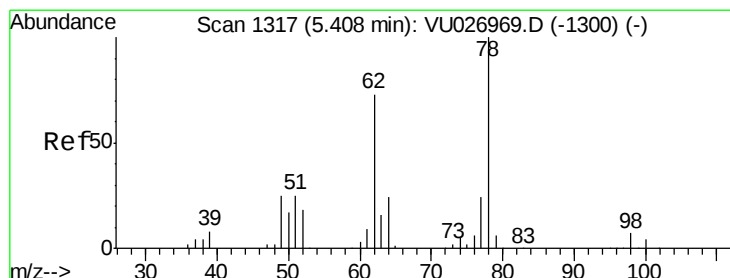
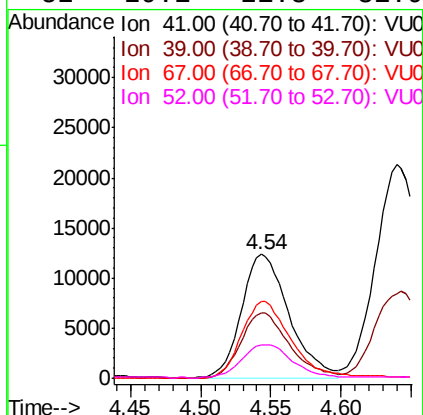
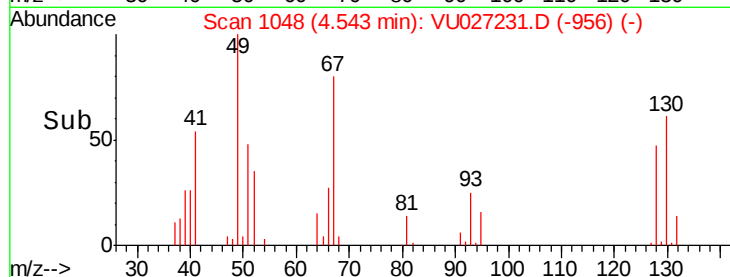
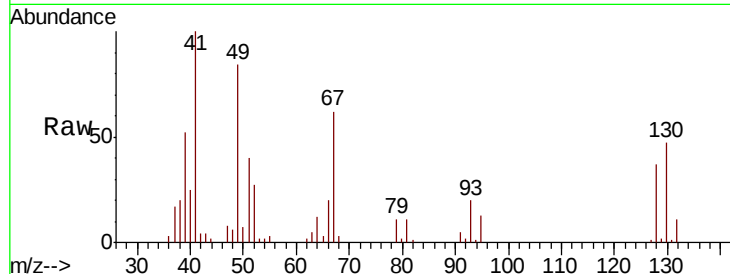




#41
Methacrylonitrile
Concen: 23.225 ug/l
RT: 4.54 min Scan# 1048
Delta R.T. -0.00 min
Lab File: VU027231.D
Acq: 27 Sep 2018 17:54

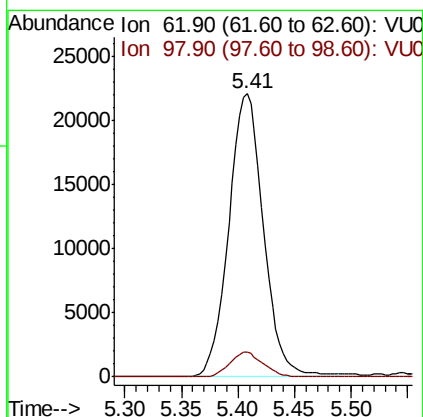
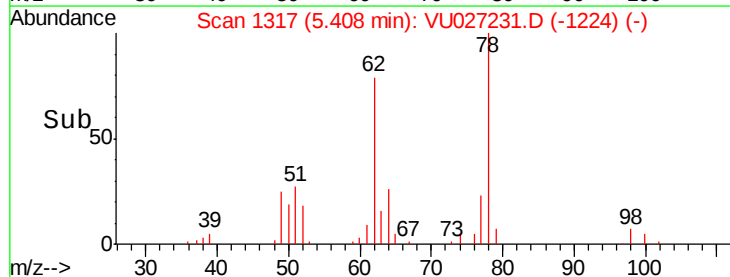
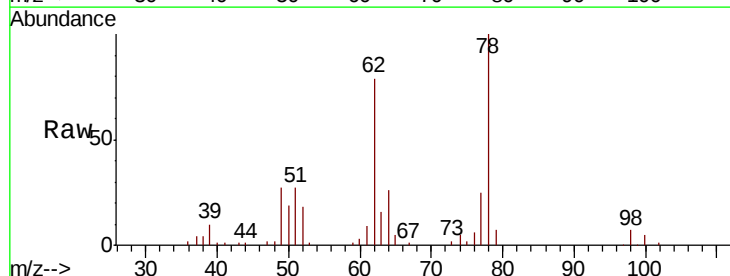
Instrument :
MSVOA_U
ClientSampleId :
VU0928WBS01

Tot Ion:	41	Resp:	29221
Ion	Ratio	Lower	Upper
41	100		
39	53.7	42.9	64.3
67	63.9	52.4	78.6
52	29.1	21.3	31.9



#42
1,2-Dichloroethane
Concen: 22.996 ug/l
RT: 5.41 min Scan# 1317
Delta R.T. 0.00 min
Lab File: VU027231.D
Acq: 27 Sep 2018 17:54

Tgt Ion:	62	Resp:	47266
Ion	Ratio	Lower	Upper
62	100		
98	8.3	0.0	17.0





#43

Isopropyl Acetate

Concen: 22.548 ug/l

RT: 5.55 min Scan# 1361

Delta R.T. -0.00 min

Lab File: VU027231.D

Acq: 27 Sep 2018 17:54

Instrument :

MSVOA_U

ClientSampleId :

VU0928WBS01

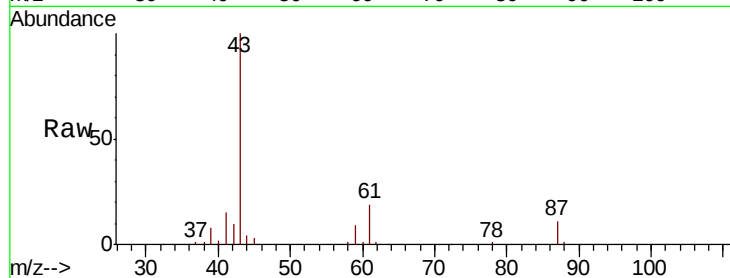
Tot Ion: 43 Resp: 79665

Ion Ratio Lower Upper

43 100

61 18.8 15.7 23.5

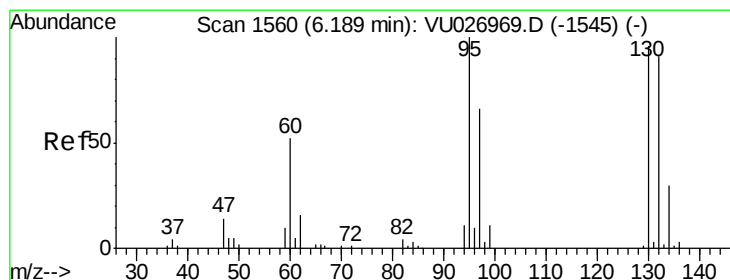
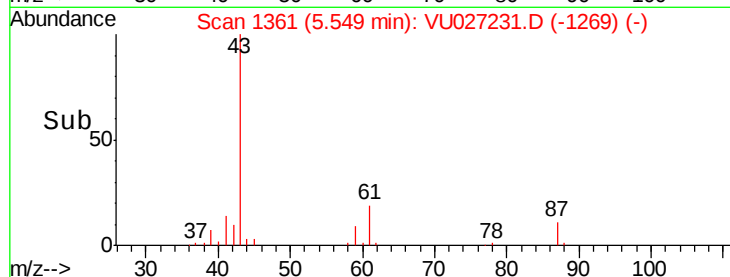
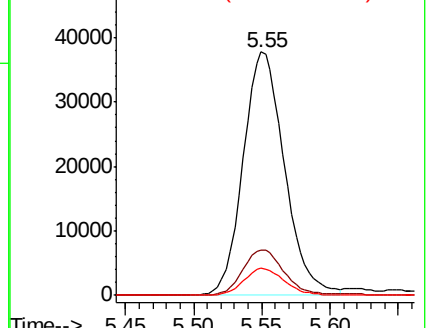
87 10.8 9.0 13.4



Abundance Ion 43.00 (42.70 to 43.70): VU026969.D (-1342) (-)

Ion 61.00 (60.70 to 61.70): VU026969.D (-1342) (-)

Ion 87.00 (86.70 to 87.70): VU026969.D (-1342) (-)



#44

Trichloroethene

Concen: 22.286 ug/l

RT: 6.19 min Scan# 1560

Delta R.T. 0.00 min

Lab File: VU027231.D

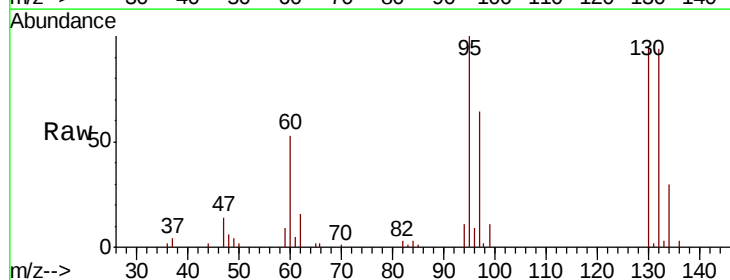
Acq: 27 Sep 2018 17:54

Tgt Ion:130 Resp: 25811

Ion Ratio Lower Upper

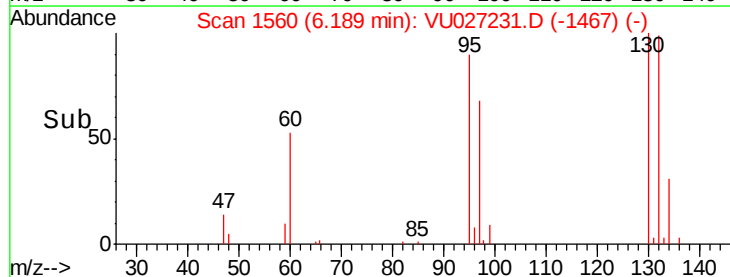
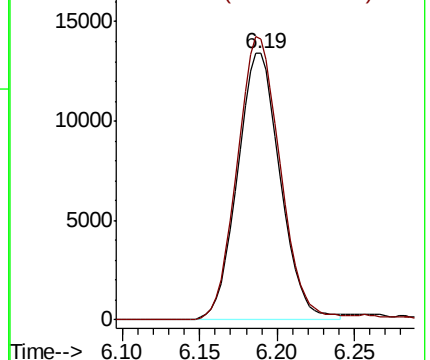
130 100

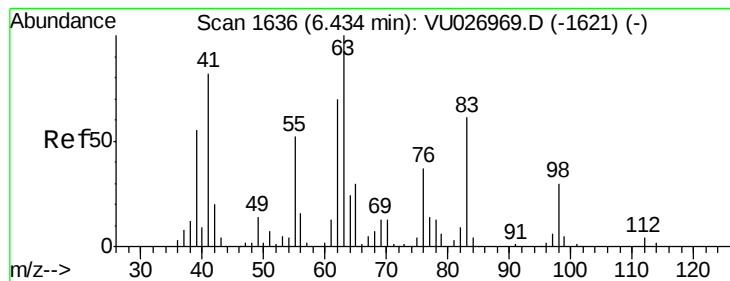
95 105.3 0.0 208.8



Abundance Ion 129.80 (129.50 to 130.50): VU026969.D (-1545) (-)

Ion 94.90 (94.60 to 95.60): VU026969.D (-1545) (-)





#45

1,2-Dichloropropane

Concen: 22.741 ug/l

RT: 6.43 min Scan# 1636

Delta R.T. 0.00 min

Lab File: VU027231.D

Acq: 27 Sep 2018 17:54

Instrument :

MSVOA_U

ClientSampleId :

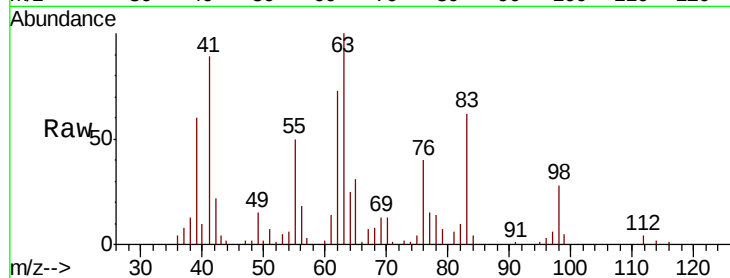
VU0928WBS01

Tot Ion: 63 Resp: 35251

Ion Ratio Lower Upper

63 100

65 31.2 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

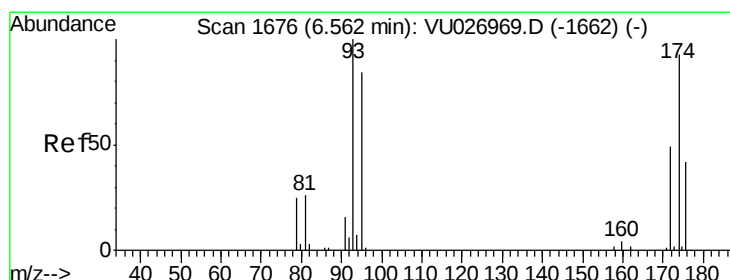
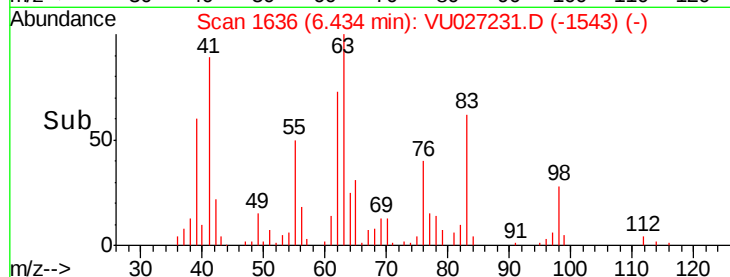
10000

5000

0

6.35 6.40 6.45 6.50

Time-->



#46

Dibromomethane

Concen: 21.934 ug/l

RT: 6.56 min Scan# 1676

Delta R.T. 0.00 min

Lab File: VU027231.D

Acq: 27 Sep 2018 17:54

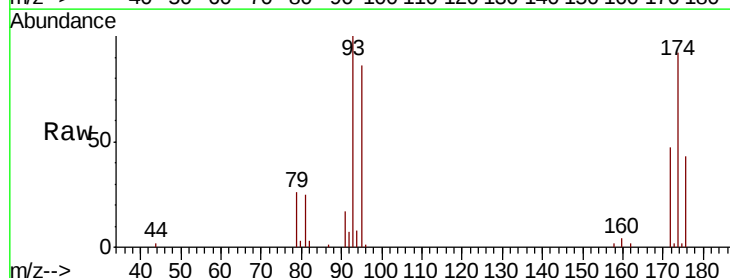
Tgt Ion: 93 Resp: 20535

Ion Ratio Lower Upper

93 100

95 83.2 66.2 99.4

174 88.4 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

6.56

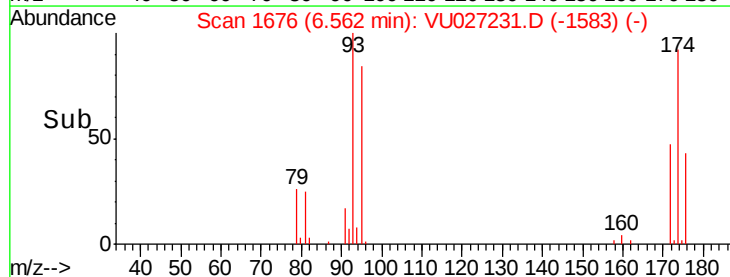
10000

5000

0

6.50 6.55 6.60 6.65

Time-->

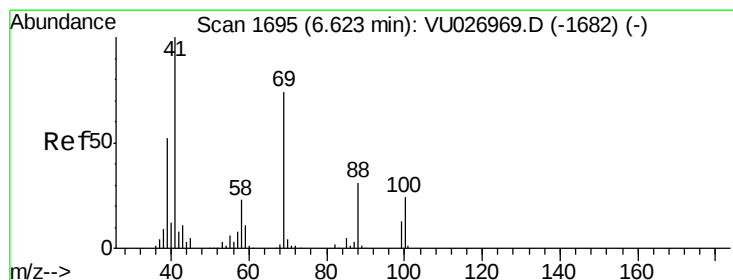
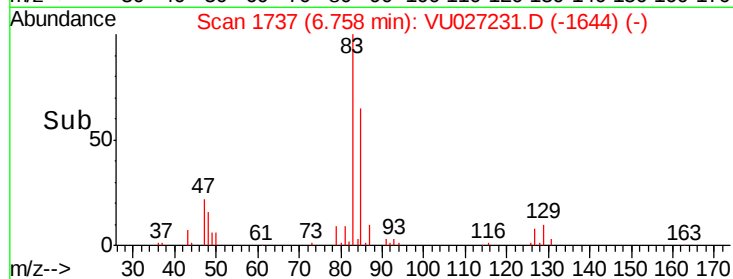
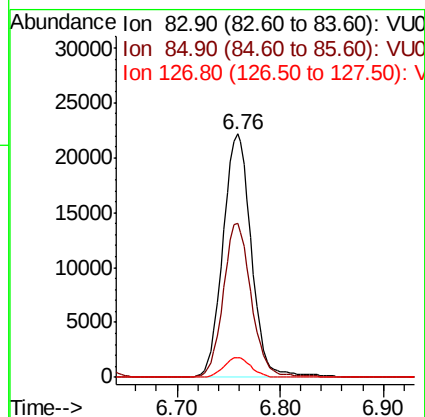
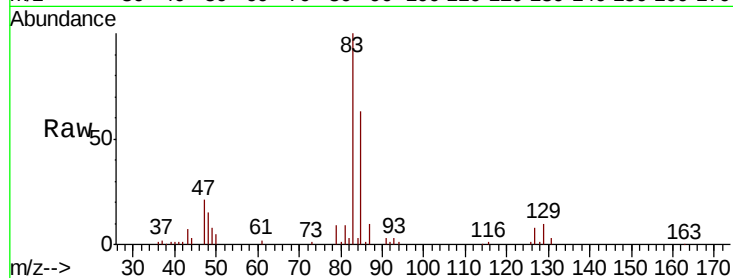




#47
 Bromodichloromethane
 Concen: 22.468 ug/l
 RT: 6.76 min Scan# 1737
 Delta R.T. 0.00 min
 Lab File: VU027231.D
 Acq: 27 Sep 2018 17:54

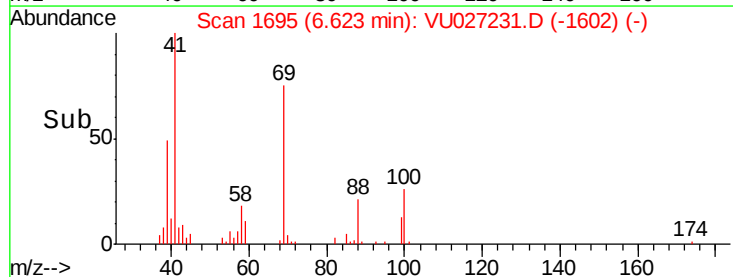
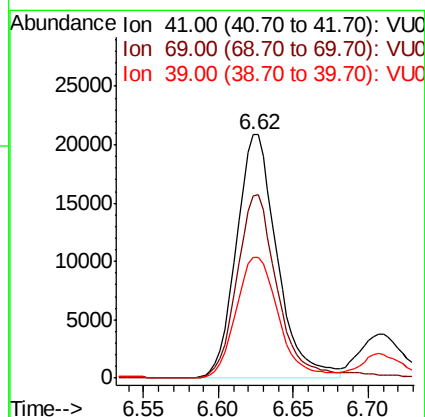
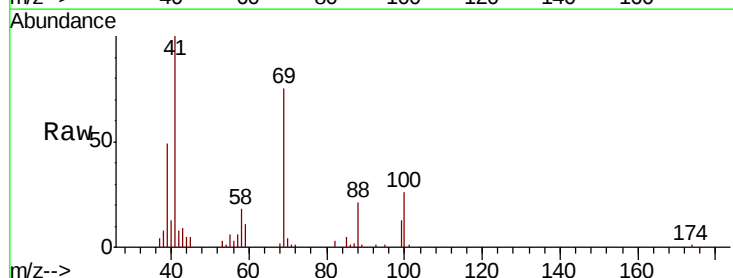
Instrument :
 MSVOA_U
 ClientSampleId :
 VU0928WBS01

Tot Ion: 83 Resp: 42532
 Ion Ratio Lower Upper
 83 100
 85 63.1 52.5 78.7
 127 8.2 6.3 9.5



#48
 Methyl methacrylate
 Concen: 21.248 ug/l
 RT: 6.62 min Scan# 1695
 Delta R.T. 0.00 min
 Lab File: VU027231.D
 Acq: 27 Sep 2018 17:54

Tgt Ion: 41 Resp: 39717
 Ion Ratio Lower Upper
 41 100
 69 73.7 60.6 90.8
 39 51.8 42.8 64.2

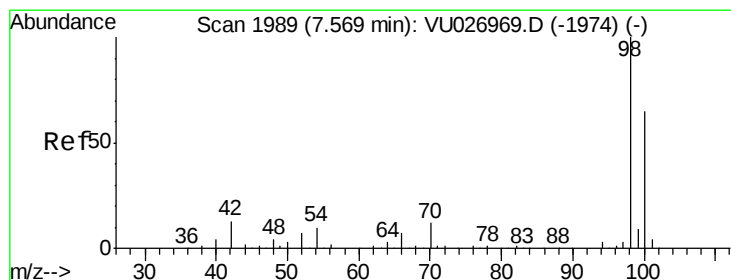
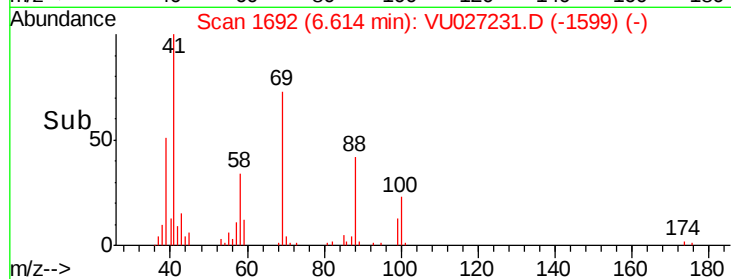
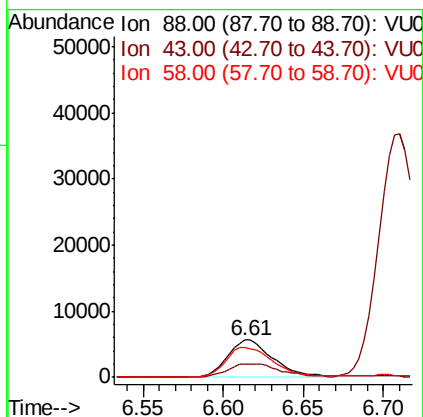
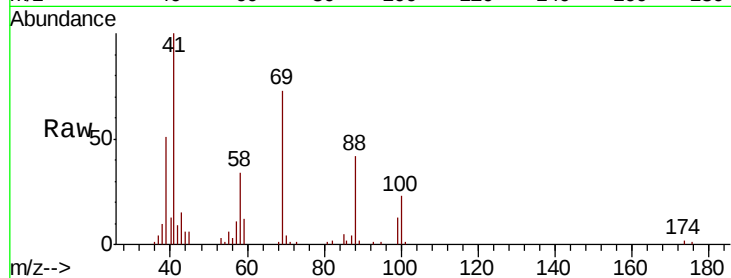




#49
1,4-Dioxane
Concen: 287.982 ug/l
RT: 6.61 min Scan# 1692
Delta R.T. -0.00 min
Lab File: VU027231.D
Acq: 27 Sep 2018 17:54

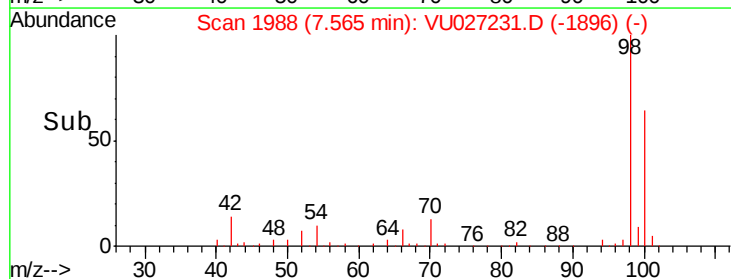
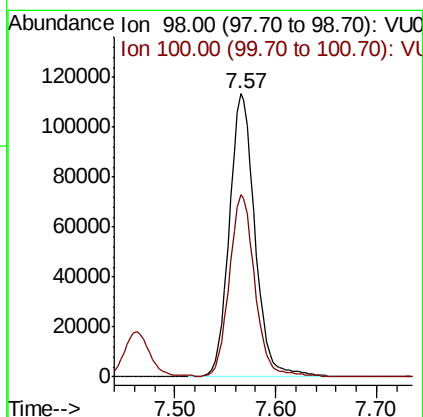
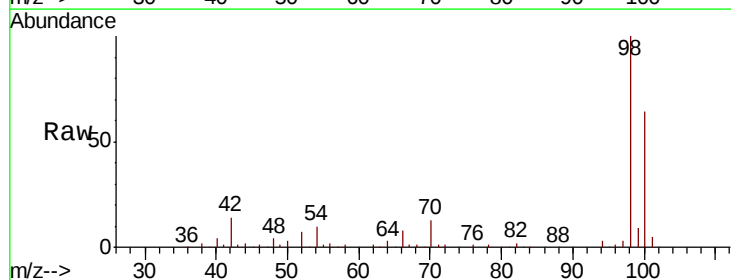
Instrument :
MSVOA_U
ClientSampleId :
VU0928WBS01

Tot Ion: 88 Resp: 11045
Ion Ratio Lower Upper
88 100
43 42.3 29.8 44.8
58 85.2 63.9 95.9



#50
Toluene-d8
Concen: 45.469 ug/l
RT: 7.57 min Scan# 1988
Delta R.T. -0.00 min
Lab File: VU027231.D
Acq: 27 Sep 2018 17:54

Tgt Ion: 98 Resp: 201406
Ion Ratio Lower Upper
98 100
100 64.5 52.1 78.1





#51

4-Methyl-2-Pentanone

Concen: 114.817 ug/l

RT: 7.46 min Scan# 1956

Delta R.T. 0.00 min

Lab File: VU027231.D

Acq: 27 Sep 2018 17:54

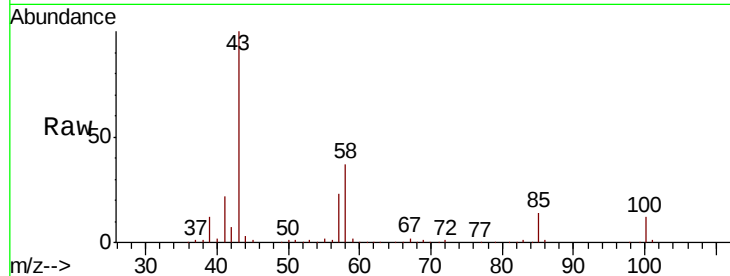
Instrument :
MSVOA_U
ClientSampleId :
VU0928WBS01

Tot Ion: 43 Resp: 272830

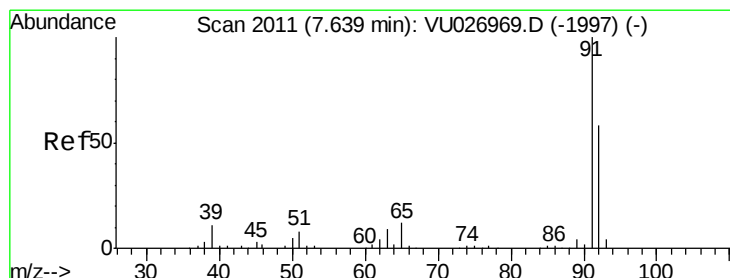
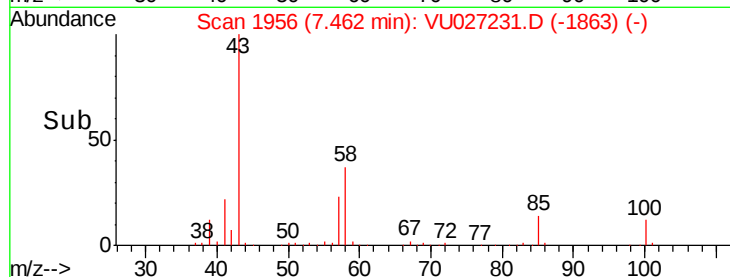
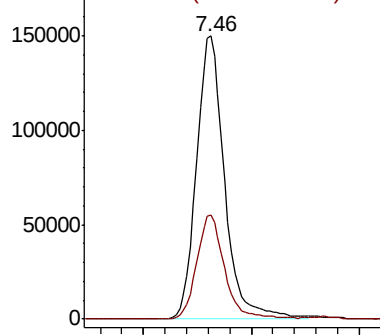
Ion Ratio Lower Upper

43 100

58 36.4 29.8 44.6



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



#52

Toluene

Concen: 22.993 ug/l

RT: 7.64 min Scan# 2011

Delta R.T. 0.00 min

Lab File: VU027231.D

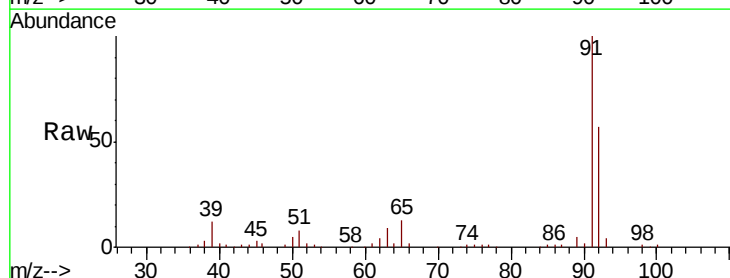
Acq: 27 Sep 2018 17:54

Tgt Ion: 92 Resp: 71702

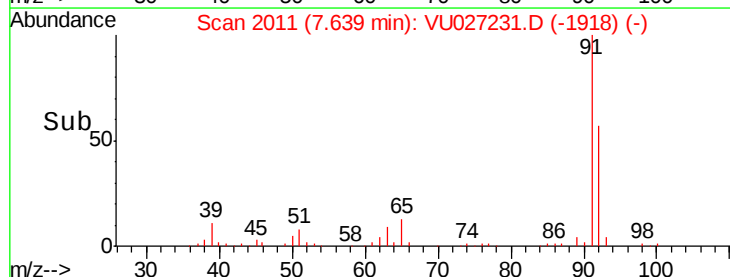
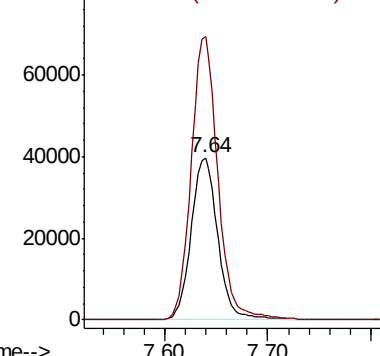
Ion Ratio Lower Upper

92 100

91 174.1 136.4 204.6



Abundance Ion 92.00 (91.70 to 92.70): VU0
Ion 91.00 (90.70 to 91.70): VU0

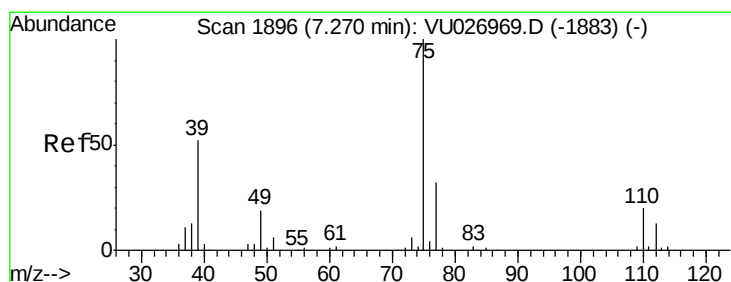
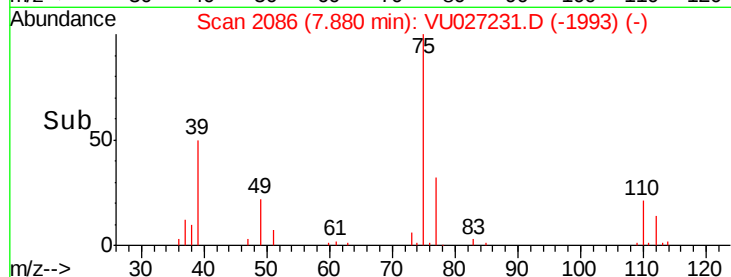
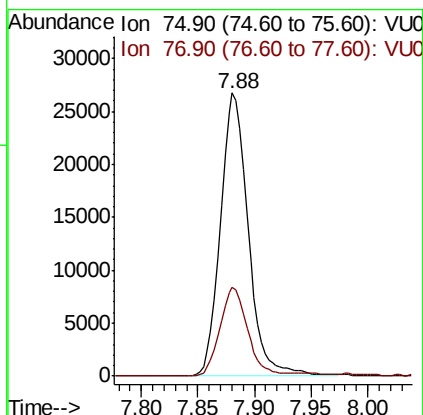
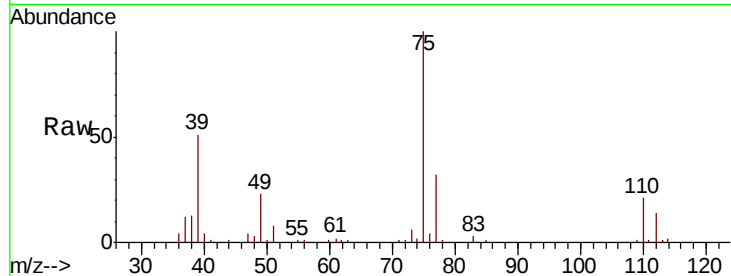




#53
t-1,3-Dichloropropene
Concen: 22.584 ug/l
RT: 7.88 min Scan# 2086
Delta R.T. 0.00 min
Lab File: VU027231.D
Acq: 27 Sep 2018 17:54

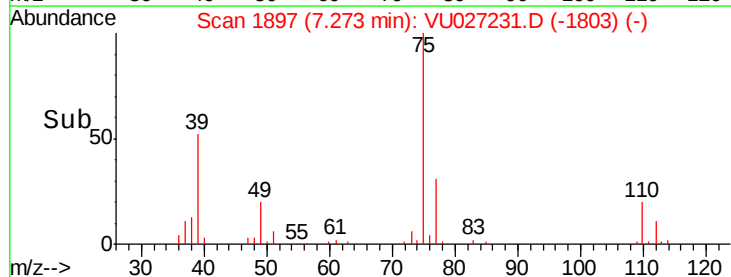
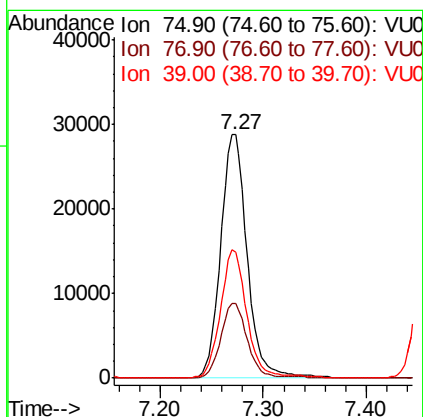
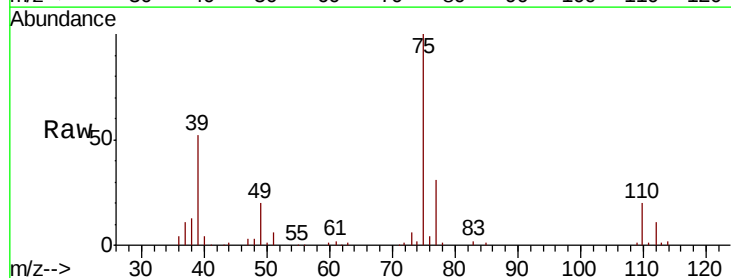
Instrument :
MSVOA_U
ClientSampleId :
VU0928WBS01

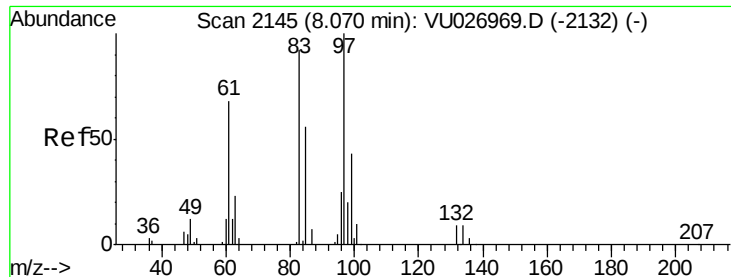
Tot Ion: 75 Resp: 45933
Ion Ratio Lower Upper
75 100
77 31.6 25.3 37.9



#54
cis-1,3-Dichloropropene
Concen: 23.029 ug/l
RT: 7.27 min Scan# 1897
Delta R.T. 0.00 min
Lab File: VU027231.D
Acq: 27 Sep 2018 17:54

Tgt Ion: 75 Resp: 51501
Ion Ratio Lower Upper
75 100
77 30.7 25.4 38.0
39 51.7 41.6 62.4





#55

1,1,2-Trichloroethane

Concen: 22.837 ug/l

RT: 8.07 min Scan# 2144

Delta R.T. -0.00 min

Lab File: VU027231.D

Acq: 27 Sep 2018 17:54

Instrument :

MSVOA_U

ClientSampleId :

VU0928WBS01

Tot Ion: 97 Resp: 30175

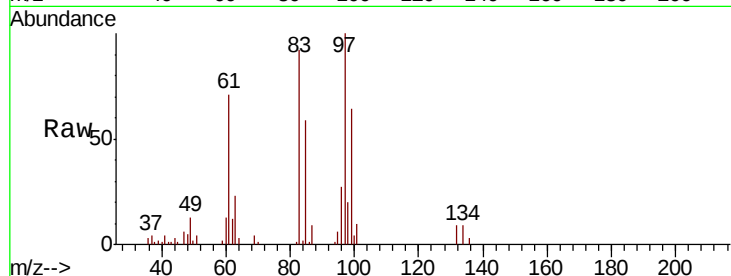
Ion Ratio Lower Upper

97 100

83 91.9 73.1 109.7

85 59.4 46.7 70.1

99 63.9 50.0 75.0



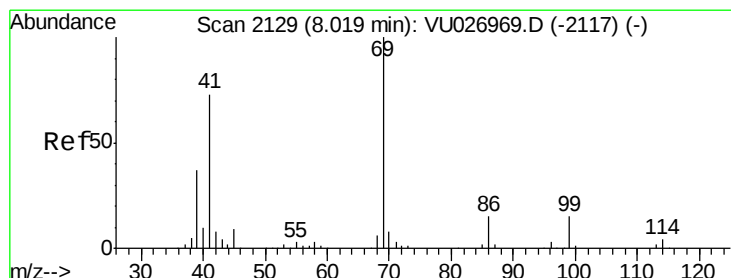
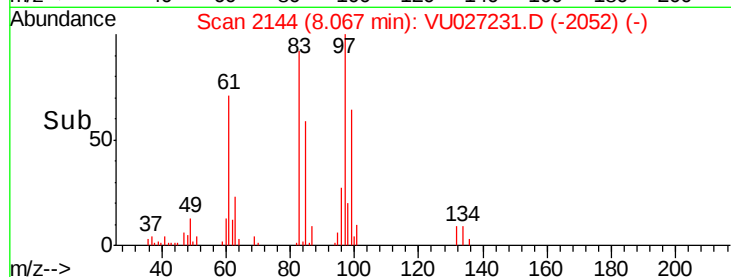
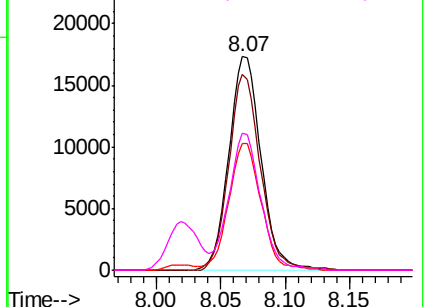
Abundance

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: 20.704 ug/l

RT: 8.02 min Scan# 2129

Delta R.T. 0.00 min

Lab File: VU027231.D

Acq: 27 Sep 2018 17:54

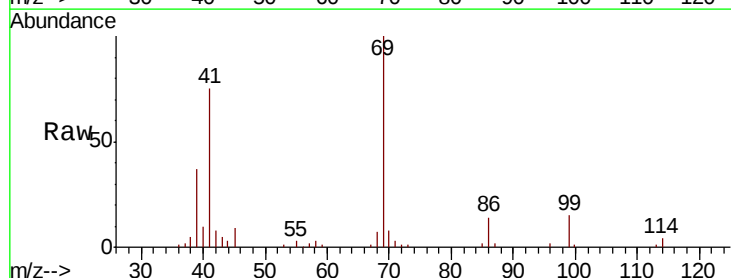
Tgt Ion: 69 Resp: 44386

Ion Ratio Lower Upper

69 100

41 75.5 59.0 88.4

39 36.2 30.2 45.4

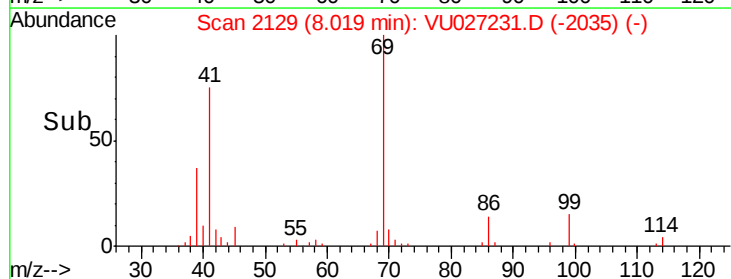
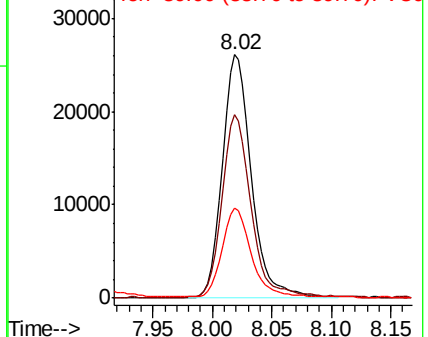


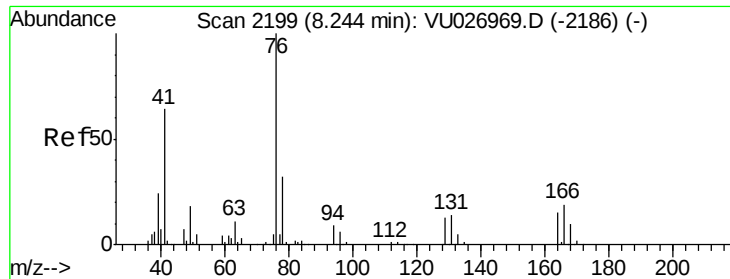
Abundance

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

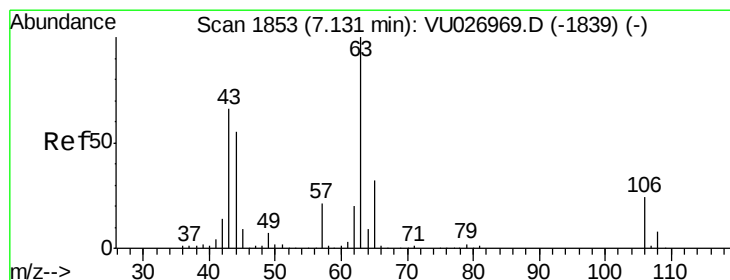
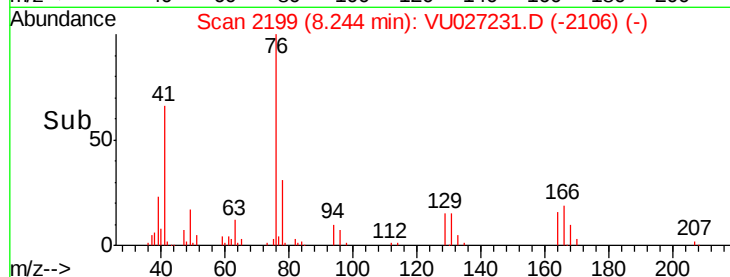
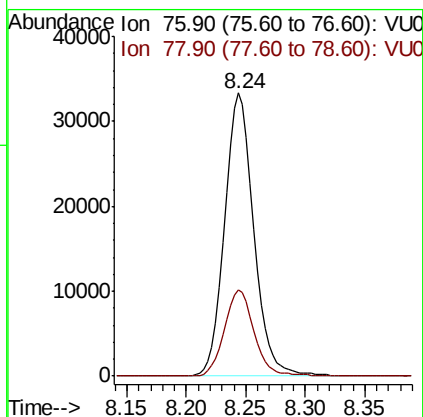
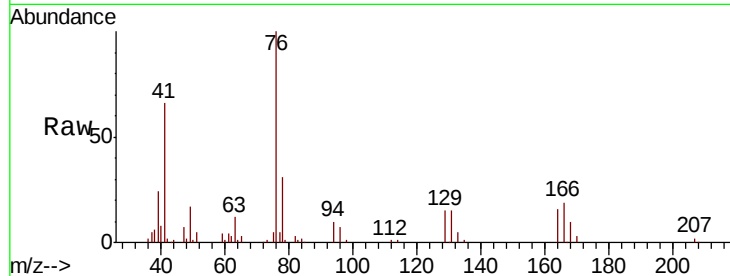




#57
 1,3-Dichloropropane
 Concen: 23.091 ug/l
 RT: 8.24 min Scan# 2199
 Delta R.T. 0.00 min
 Lab File: VU027231.D
 Acq: 27 Sep 2018 17:54

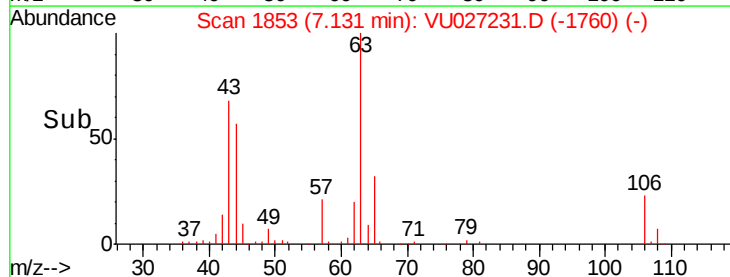
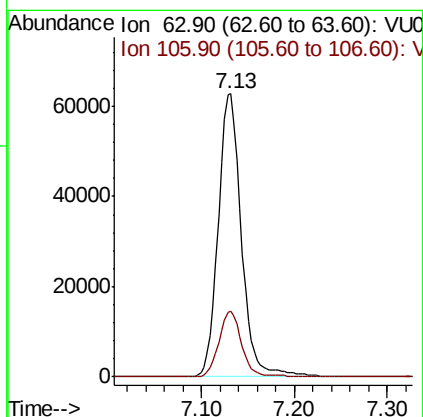
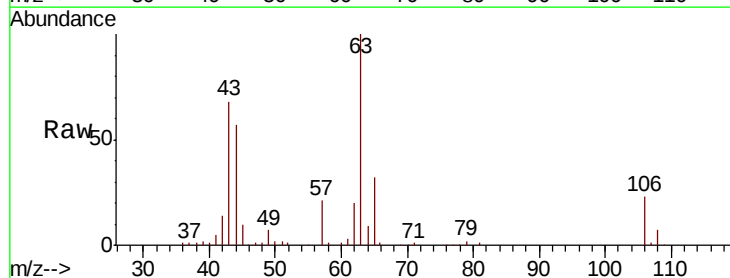
Instrument :
 MSVOA_U
 ClientSampleId :
 VU0928WBS01

Tot Ion: 76 Resp: 56748
 Ion Ratio Lower Upper
 76 100
 78 30.8 25.5 38.3



#58
 2-Chloroethyl Vinyl ether
 Concen: 87.080 ug/l
 RT: 7.13 min Scan# 1853
 Delta R.T. 0.00 min
 Lab File: VU027231.D
 Acq: 27 Sep 2018 17:54

Tgt Ion: 63 Resp: 109098
 Ion Ratio Lower Upper
 63 100
 106 22.8 18.7 28.1

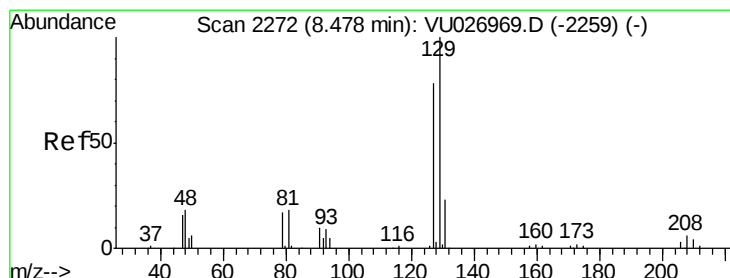
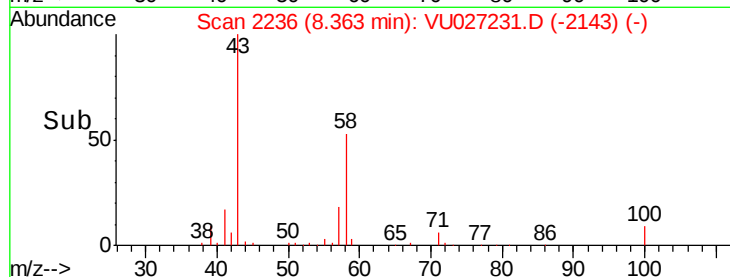
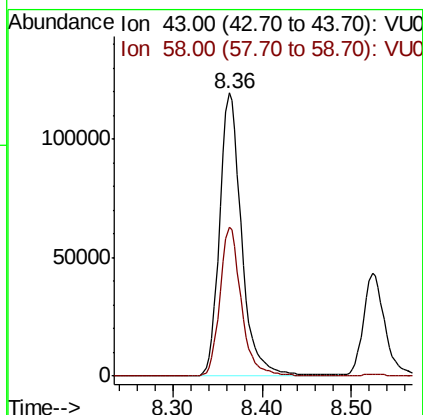
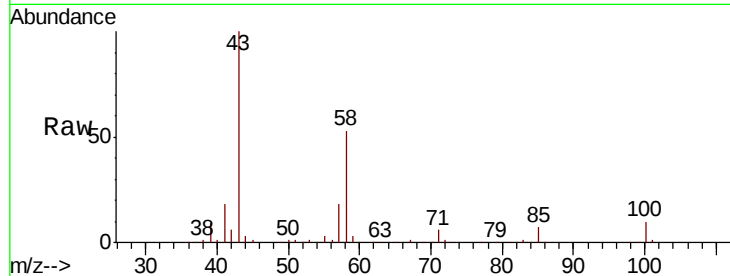




#59
2-Hexanone
Concen: 110.508 ug/l
RT: 8.36 min Scan# 2236
Delta R.T. 0.00 min
Lab File: VU027231.D
Acq: 27 Sep 2018 17:54

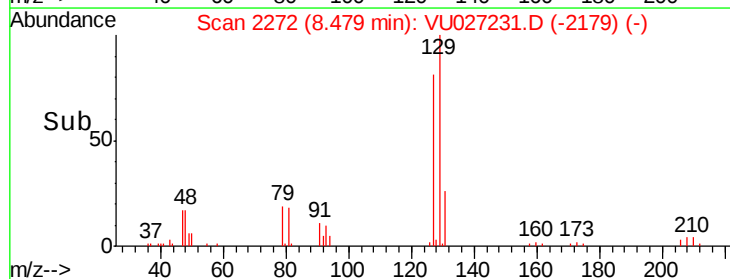
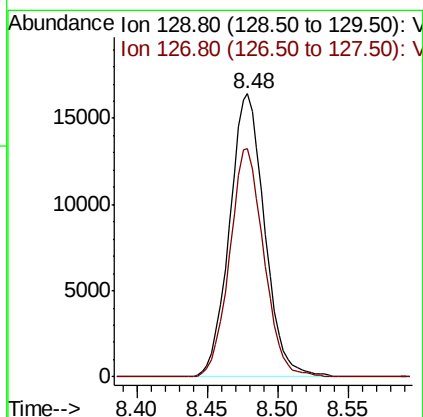
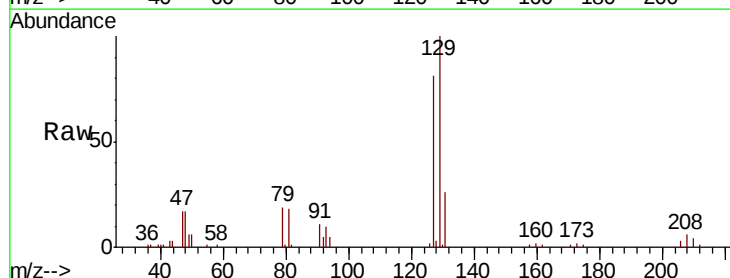
Instrument :
MSVOA_U
ClientSampleId :
VU0928WBS01

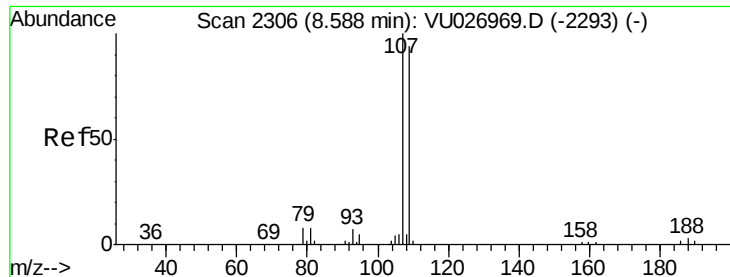
Tot Ion: 43 Resp: 205551
Ion Ratio Lower Upper
43 100
58 51.0 26.1 78.2



#60
Dibromochloromethane
Concen: 22.064 ug/l
RT: 8.48 min Scan# 2272
Delta R.T. 0.00 min
Lab File: VU027231.D
Acq: 27 Sep 2018 17:54

Tgt Ion: 129 Resp: 28597
Ion Ratio Lower Upper
129 100
127 78.6 38.1 114.5





#61

1,2-Dibromoethane

Concen: 22.801 ug/l

RT: 8.59 min Scan# 2306

Delta R.T. 0.00 min

Lab File: VU027231.D

Acq: 27 Sep 2018 17:54

Instrument :

MSVOA_U

ClientSampleId :

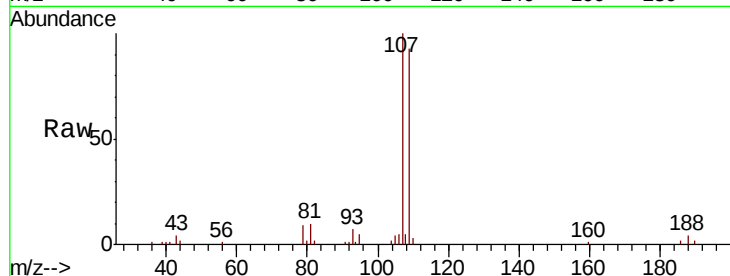
VU0928WBS01

Tot Ion:107 Resp: 31347

Ion Ratio Lower Upper

107 100

109 90.2 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

20000

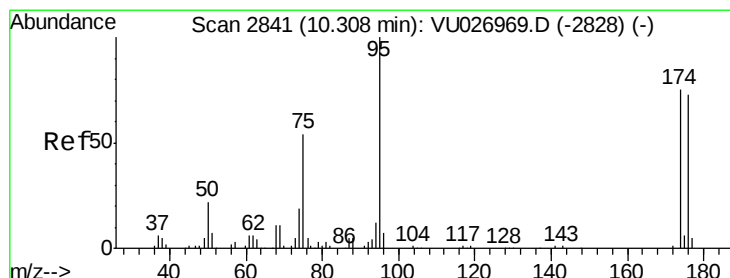
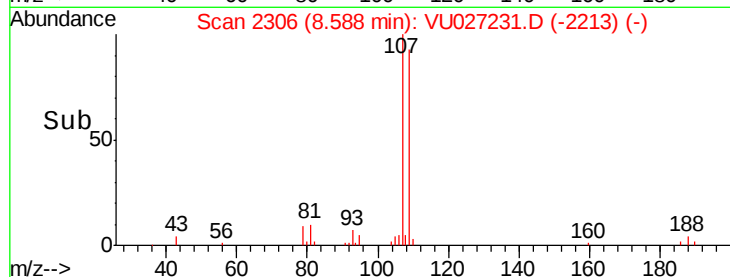
15000

10000

5000

0

Time--> 8.50 8.55 8.60 8.65



#62

4-Bromofluorobenzene

Concen: 48.880 ug/l

RT: 10.31 min Scan# 2841

Delta R.T. 0.00 min

Lab File: VU027231.D

Acq: 27 Sep 2018 17:54

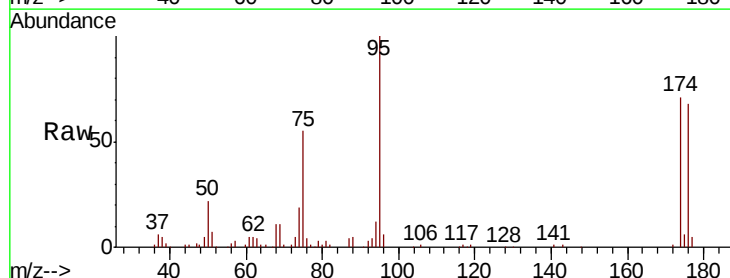
Tgt Ion: 95 Resp: 74293

Ion Ratio Lower Upper

95 100

174 71.8 0.0 150.2

176 70.5 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

50000

40000

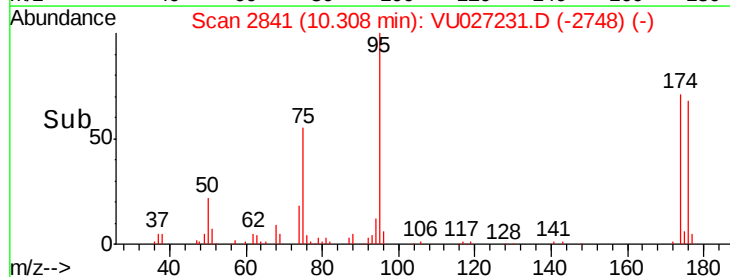
30000

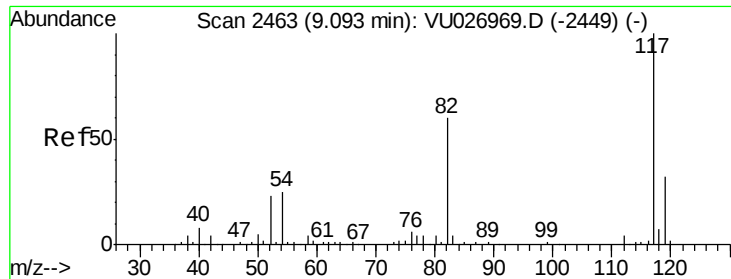
20000

10000

0

Time--> 10.25 10.30 10.35

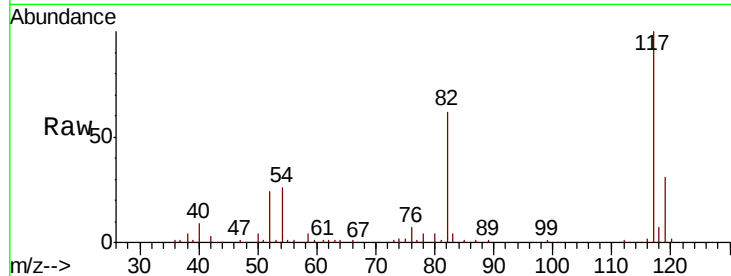




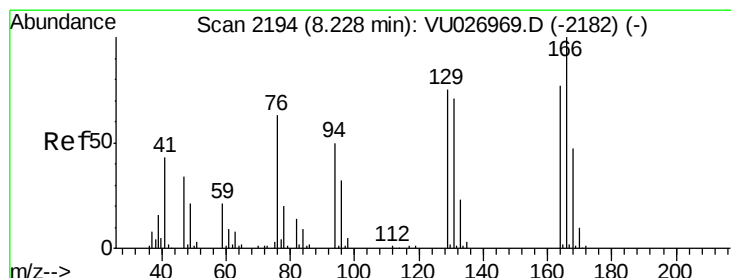
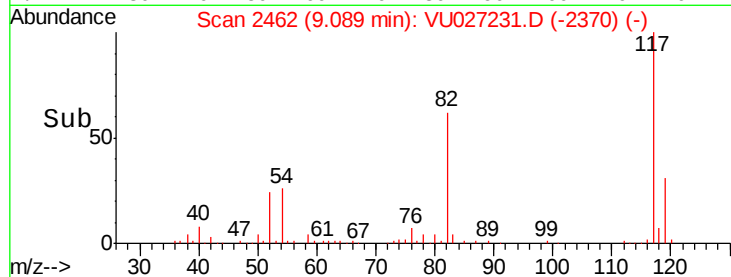
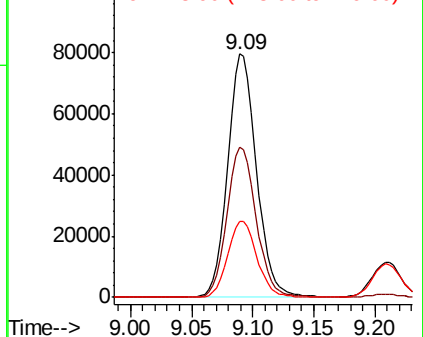
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.09 min Scan# 2462
Delta R.T. -0.00 min
Lab File: VU027231.D
Acq: 27 Sep 2018 17:54

Instrument :
MSVOA_U
ClientSampleId :
VU0928WBS01

Tot Ion:117 Resp: 131576
Ion Ratio Lower Upper
117 100
82 61.9 48.0 72.0
119 31.2 25.8 38.8



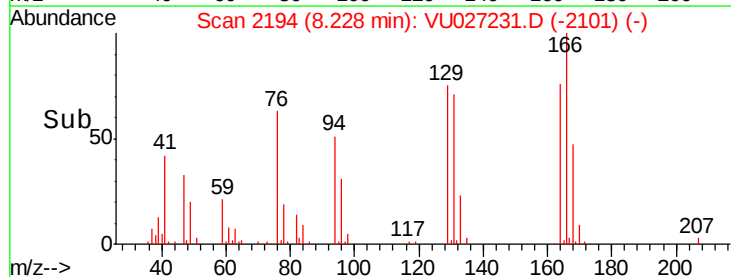
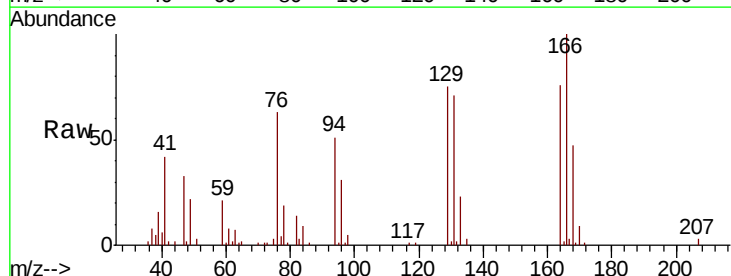
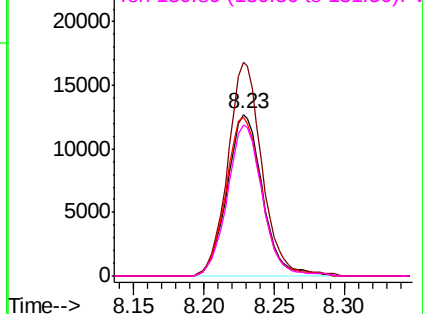
Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VU0
Ion 118.90 (118.60 to 119.60): V

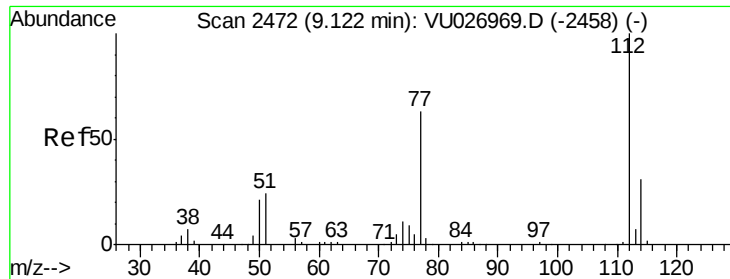


#64
Tetrachloroethene
Concen: 22.031 ug/l
RT: 8.23 min Scan# 2194
Delta R.T. 0.00 min
Lab File: VU027231.D
Acq: 27 Sep 2018 17:54

Tgt Ion:164 Resp: 22337
Ion Ratio Lower Upper
164 100
166 132.4 104.4 156.6
129 98.8 78.7 118.1
131 93.9 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

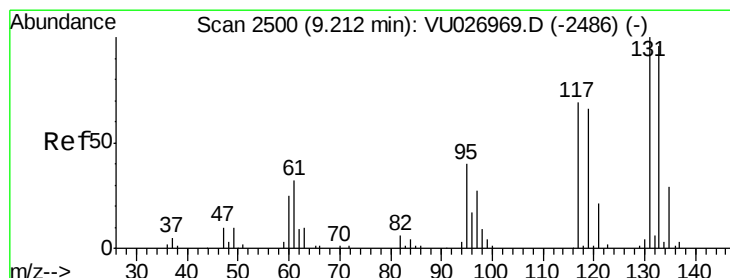
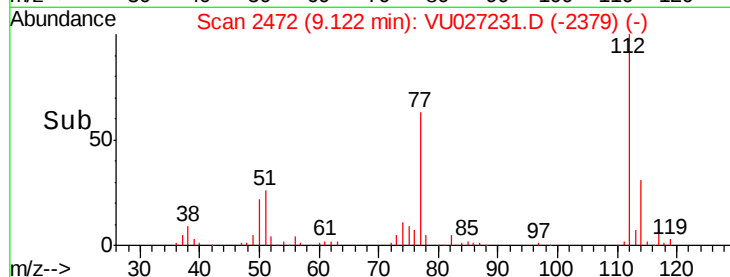
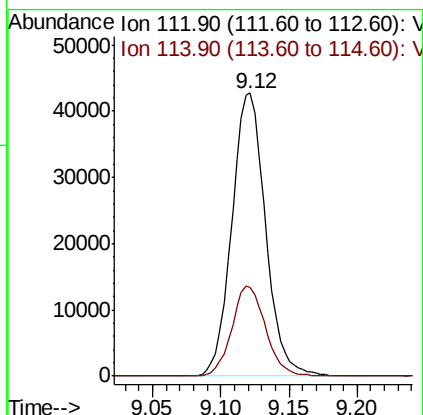
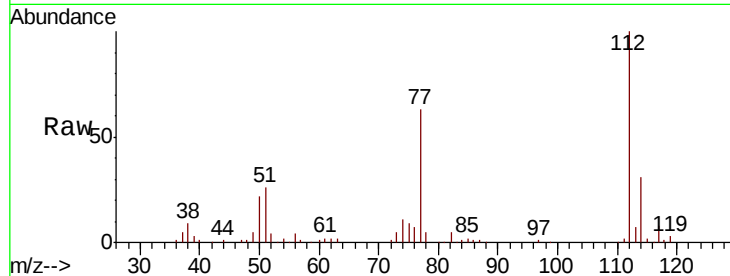




#65
Chlorobenzene
Concen: 21.000 ug/l
RT: 9.12 min Scan# 2472
Delta R.T. 0.00 min
Lab File: VU027231.D
Acq: 27 Sep 2018 17:54

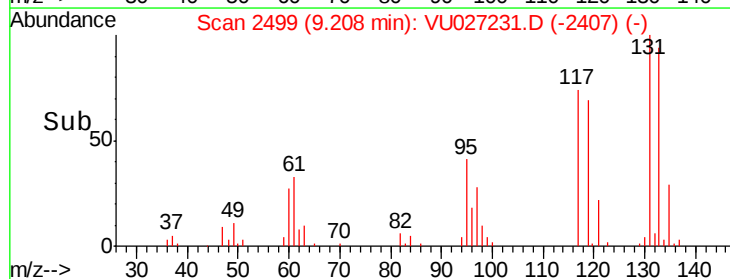
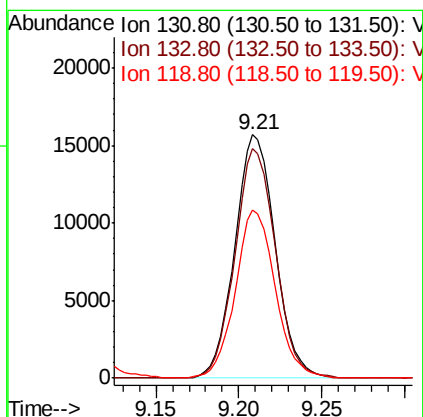
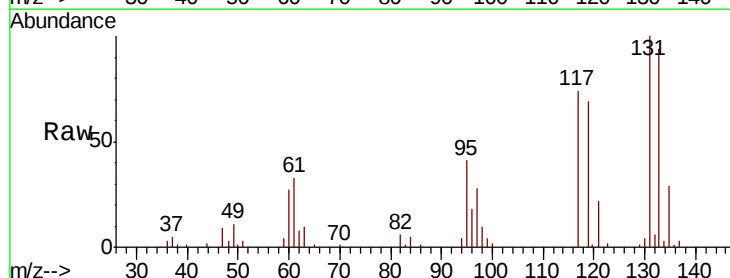
Instrument :
MSVOA_U
ClientSampleId :
VU0928WBS01

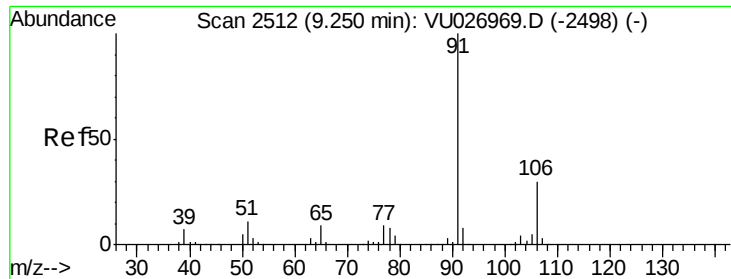
Tot Ion:112 Resp: 73264
Ion Ratio Lower Upper
112 100
114 31.4 25.0 37.6



#66
1,1,1,2-Tetrachloroethane
Concen: 22.148 ug/l
RT: 9.21 min Scan# 2499
Delta R.T. -0.00 min
Lab File: VU027231.D
Acq: 27 Sep 2018 17:54

Tgt Ion:131 Resp: 26614
Ion Ratio Lower Upper
131 100
133 94.8 48.0 144.2
119 68.4 33.4 100.1

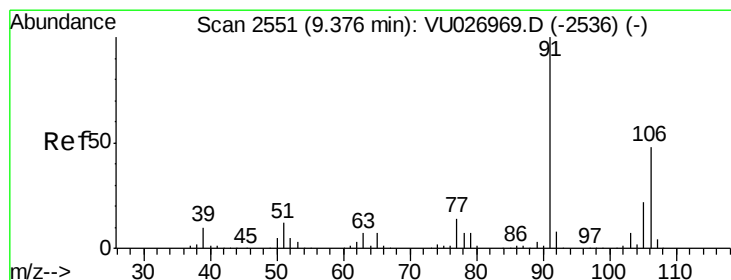
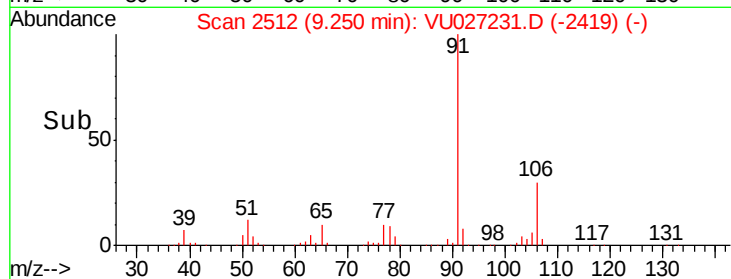
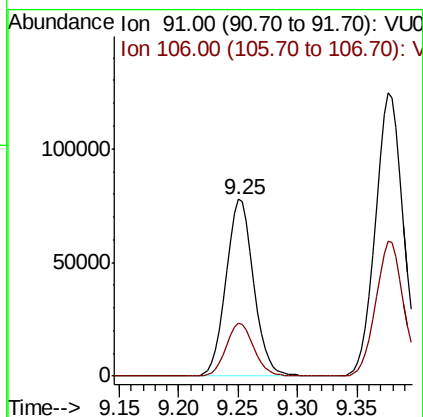
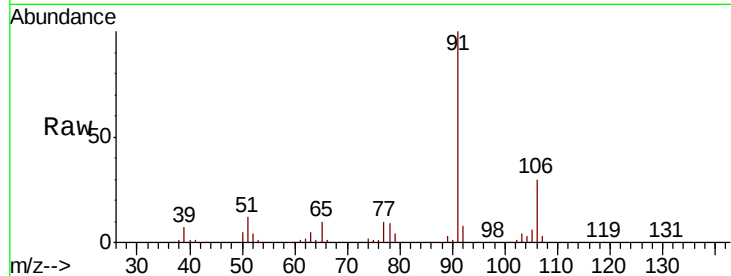




#67
Ethyl Benzene
Concen: 21.874 ug/l
RT: 9.25 min Scan# 2512
Delta R.T. 0.00 min
Lab File: VU027231.D
Acq: 27 Sep 2018 17:54

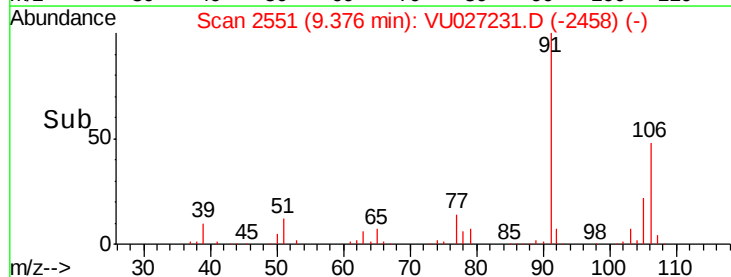
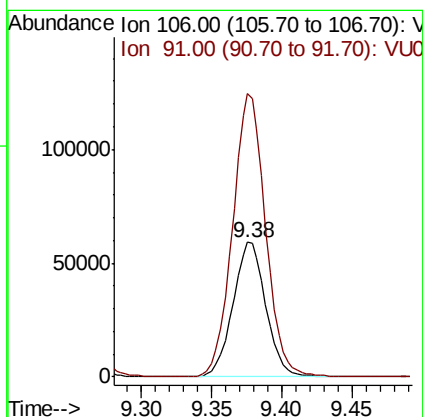
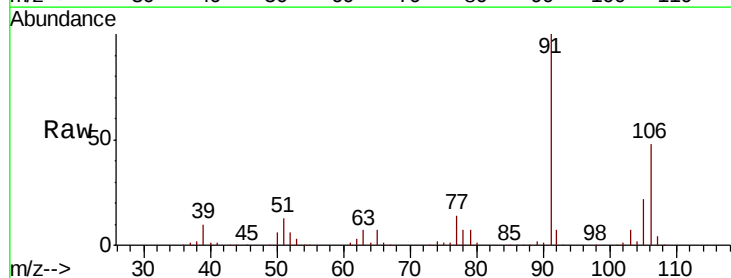
Instrument :
MSVOA_U
ClientSampleId :
VU0928WBS01

Tot Ion: 91 Resp: 125488
Ion Ratio Lower Upper
91 100
106 29.8 23.8 35.8



#68
m/p-Xylenes
Concen: 42.507 ug/l
RT: 9.38 min Scan# 2551
Delta R.T. 0.00 min
Lab File: VU027231.D
Acq: 27 Sep 2018 17:54

Tgt Ion: 106 Resp: 96724
Ion Ratio Lower Upper
106 100
91 210.6 166.5 249.7

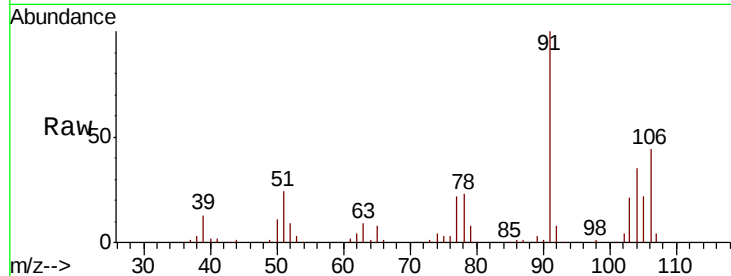




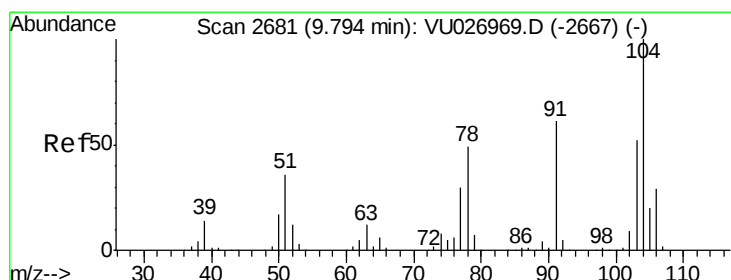
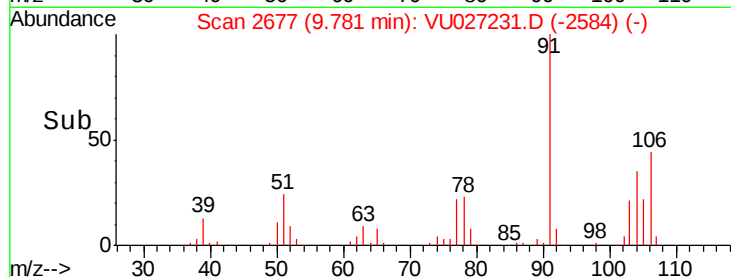
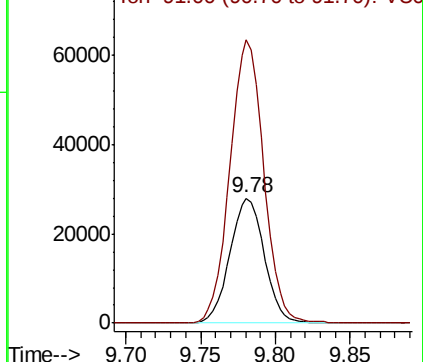
#69
o-Xylene
Concen: 22.085 ug/l
RT: 9.78 min Scan# 2677
Delta R.T. 0.00 min
Lab File: VU027231.D
Acq: 27 Sep 2018 17:54

Instrument :
MSVOA_U
ClientSampleId :
VU0928WBS01

Tot Ion:106 Resp: 44890
Ion Ratio Lower Upper
106 100
91 223.4 110.2 330.6

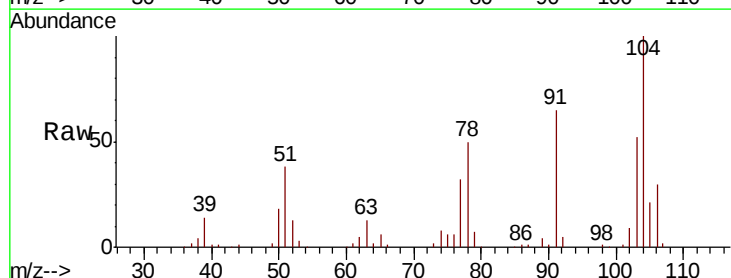


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VU0

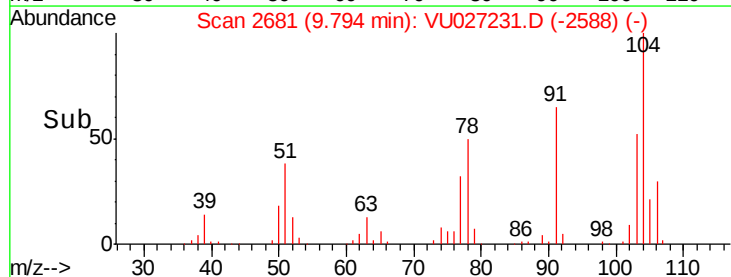
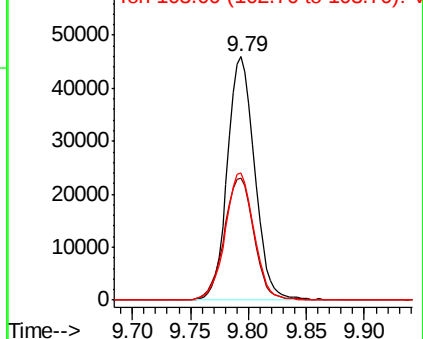


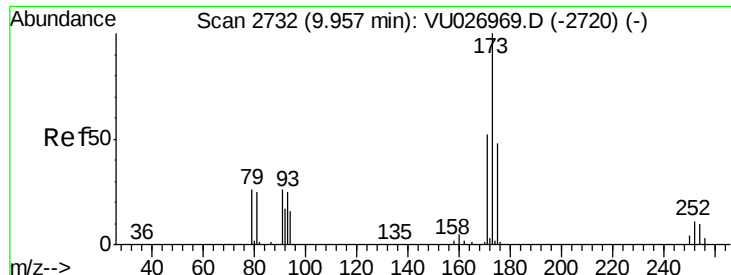
#70
Styrene
Concen: 20.840 ug/l
RT: 9.79 min Scan# 2681
Delta R.T. 0.00 min
Lab File: VU027231.D
Acq: 27 Sep 2018 17:54

Tgt Ion:104 Resp: 74938
Ion Ratio Lower Upper
104 100
78 54.9 43.0 64.4
103 55.1 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: 21.901 ug/l

RT: 9.96 min Scan# 2733

Delta R.T. 0.00 min

Lab File: VU027231.D

Acq: 27 Sep 2018 17:54

Instrument :

MSVOA_U

ClientSampleId :

VU0928WBS01

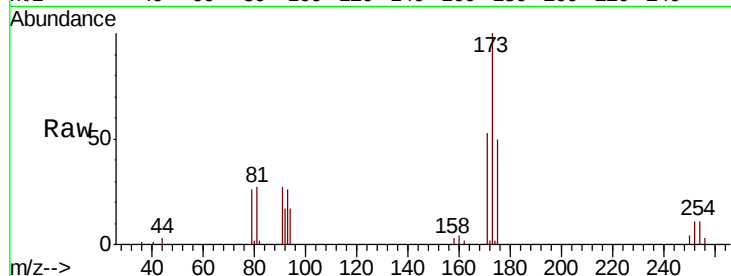
Tot Ion:173 Resp: 20351

Ion Ratio Lower Upper

173 100

175 49.8 23.9 71.8

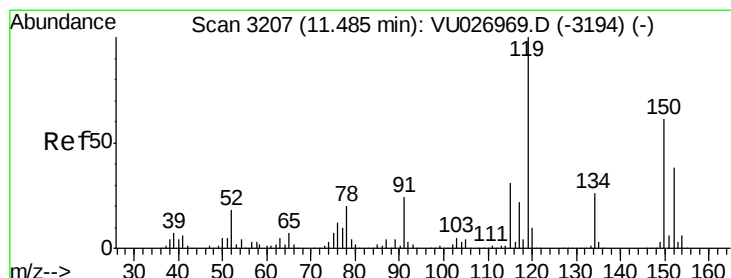
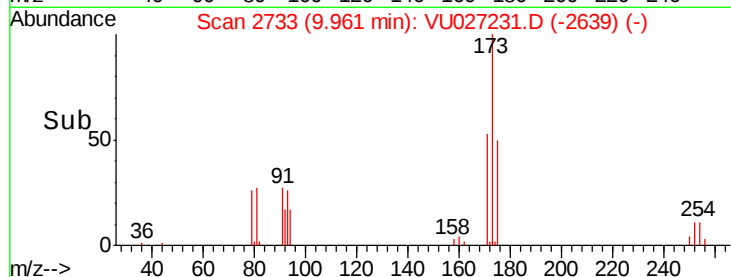
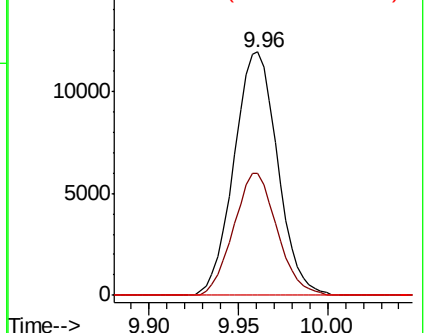
254 0.0 0.0 0.0



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: VU027231.D

Acq: 27 Sep 2018 17:54

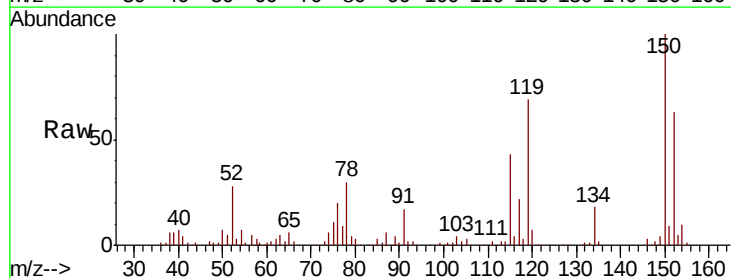
Tgt Ion:152 Resp: 71396

Ion Ratio Lower Upper

152 100

115 73.8 44.9 134.5

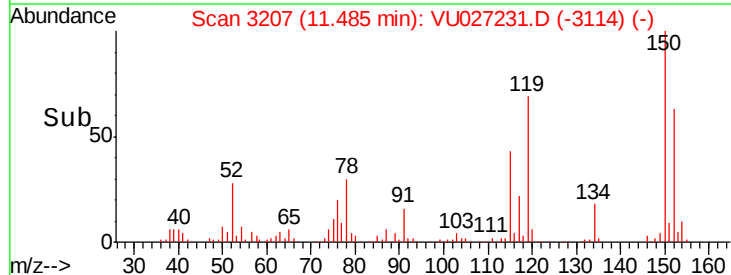
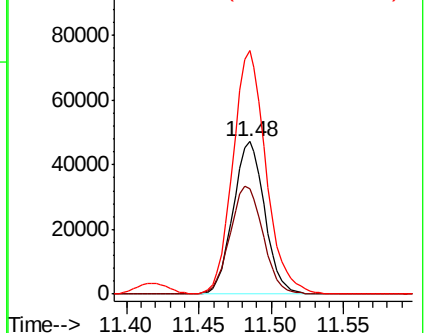
150 167.2 0.0 355.8

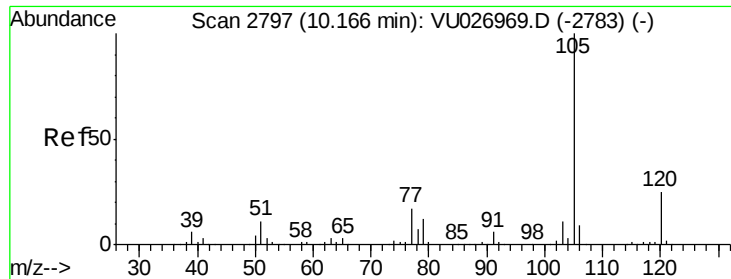


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 22.897 ug/l

RT: 10.17 min Scan# 2797

Delta R.T. 0.00 min

Lab File: VU027231.D

Acq: 27 Sep 2018 17:54

Instrument :

MSVOA_U

ClientSampleId :

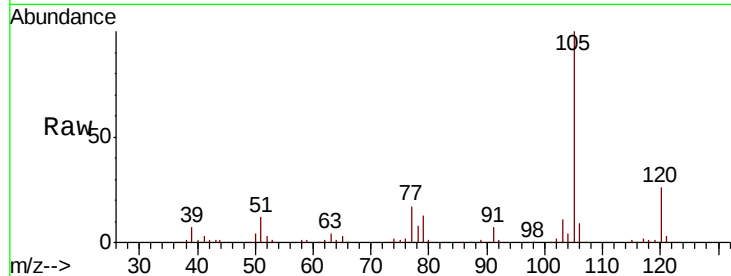
VU0928WBS01

Tot Ion:105 Resp: 124355

Ion Ratio Lower Upper

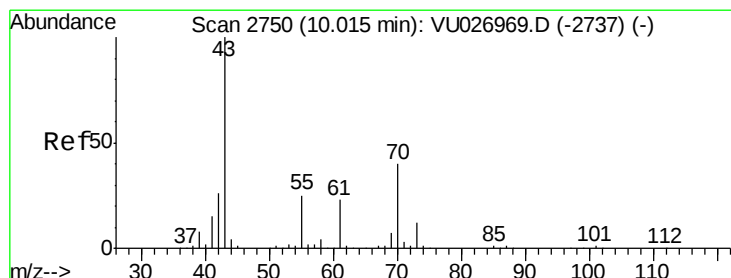
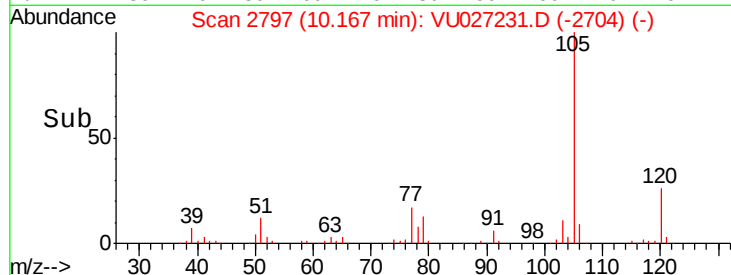
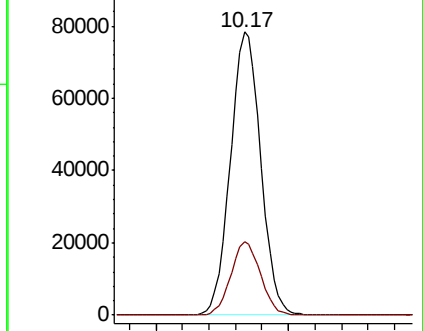
105 100

120 25.3 12.8 38.4



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 21.399 ug/l

RT: 10.02 min Scan# 2750

Delta R.T. 0.00 min

Lab File: VU027231.D

Acq: 27 Sep 2018 17:54

Tgt Ion: 43 Resp: 67272

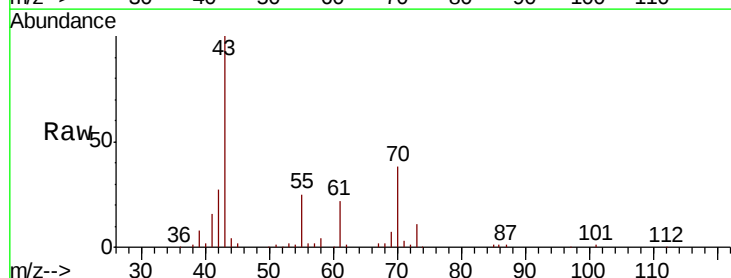
Ion Ratio Lower Upper

43 100

70 37.7 31.8 47.8

55 25.4 19.9 29.9

61 22.5 18.4 27.6

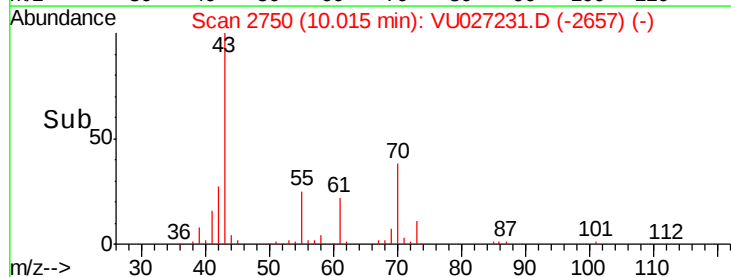
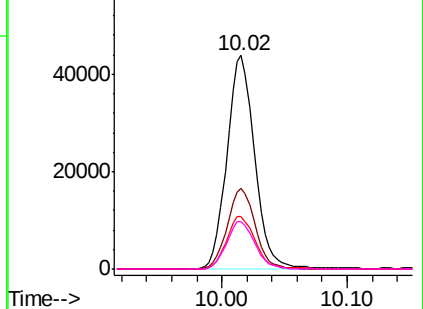


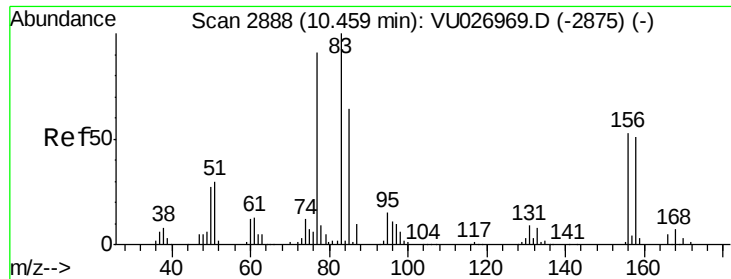
Abundance Ion 43.00 (42.70 to 43.70): VU0

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: 20.755 ug/l

RT: 10.46 min Scan# 2888

Delta R.T. 0.00 min

Lab File: VU027231.D

Acq: 27 Sep 2018 17:54

Instrument :

MSVOA_U

ClientSampleId :

VU0928WBS01

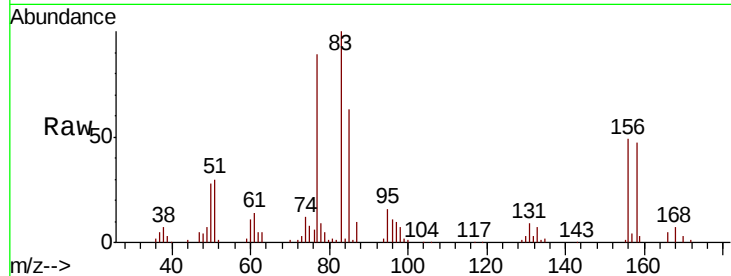
Tot Ion: 83 Resp: 51826

Ion Ratio Lower Upper

83 100

131 8.9 4.3 12.8

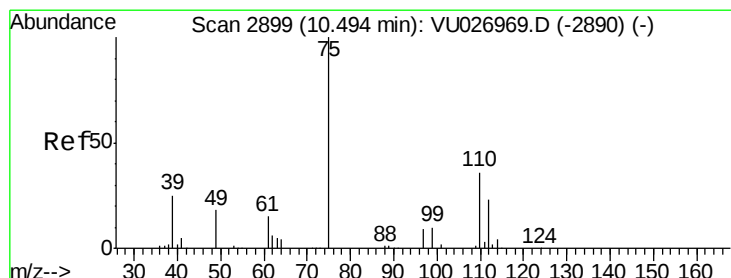
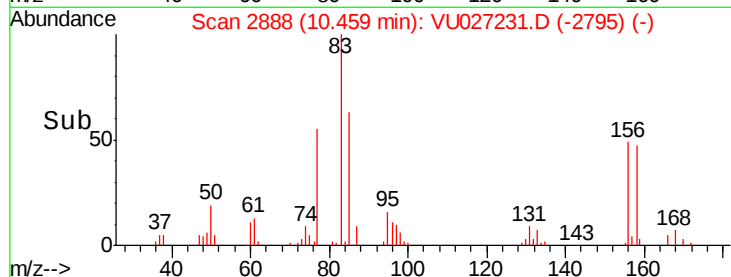
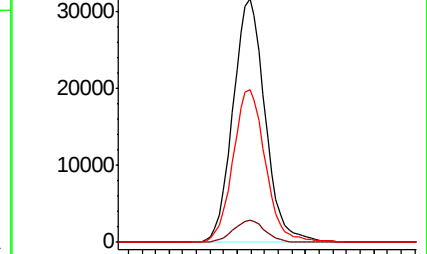
85 63.4 31.9 95.7



Abundance Ion 82.90 (82.60 to 83.60): VU026969.D (-2875) (-)

Ion 130.80 (130.50 to 131.50): VU026969.D (-2875) (-)

Ion 84.90 (84.60 to 85.60): VU026969.D (-2875) (-)



#76

1,2,3-Trichloropropane

Concen: 27.011 ug/l

RT: 10.49 min Scan# 2899

Delta R.T. 0.00 min

Lab File: VU027231.D

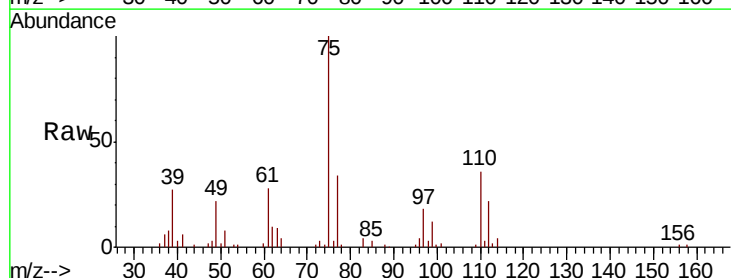
Acq: 27 Sep 2018 17:54

Tgt Ion: 75 Resp: 58586

Ion Ratio Lower Upper

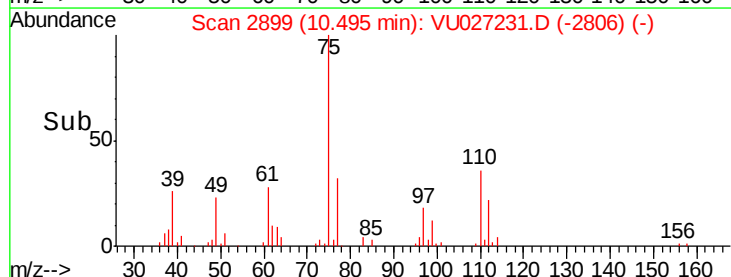
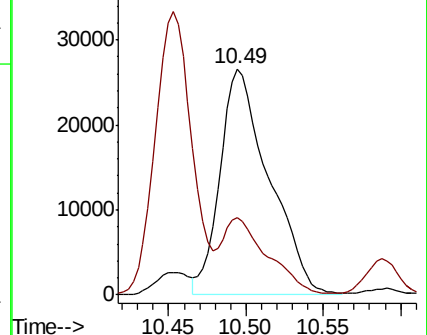
75 100

77 30.3 20.9 62.8



Abundance Ion 74.90 (74.60 to 75.60): VU026969.D (-2890) (-)

Ion 77.00 (76.70 to 77.70): VU026969.D (-2890) (-)





#77

Bromobenzene

Concen: 21.987 ug/l

RT: 10.45 min Scan# 2886

Delta R.T. 0.00 min

Lab File: VU027231.D

Acq: 27 Sep 2018 17:54

Instrument :

MSVOA_U

ClientSampleId :

VU0928WBS01

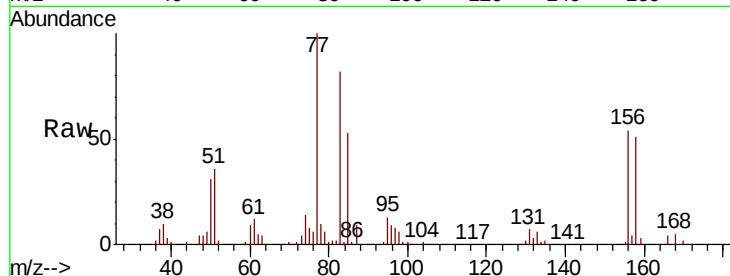
Tot Ion:156 Resp: 29180

Ion Ratio Lower Upper

156 100

77 188.8 92.3 276.9

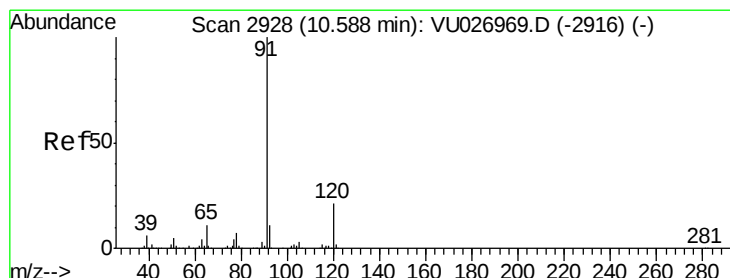
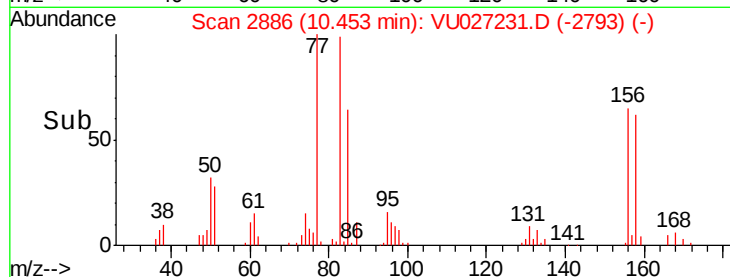
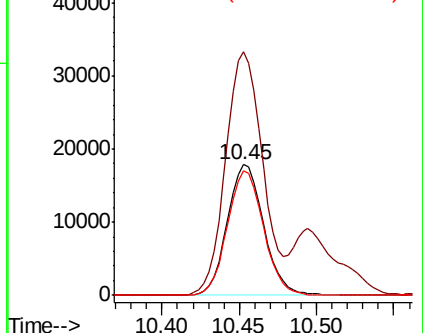
158 94.1 48.1 144.3



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: 23.332 ug/l

RT: 10.59 min Scan# 2928

Delta R.T. 0.00 min

Lab File: VU027231.D

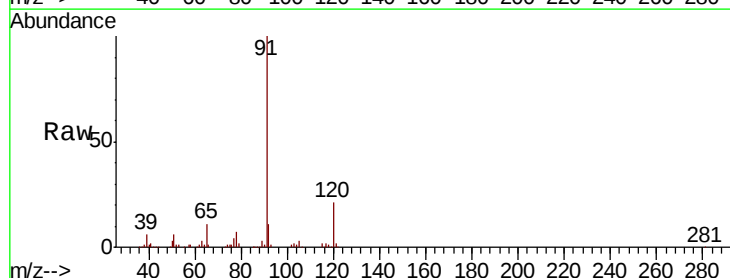
Acq: 27 Sep 2018 17:54

Tgt Ion: 91 Resp: 149933

Ion Ratio Lower Upper

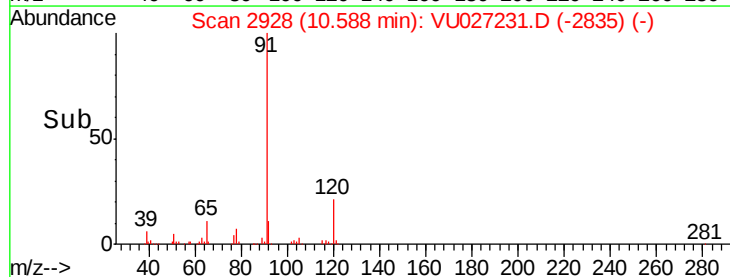
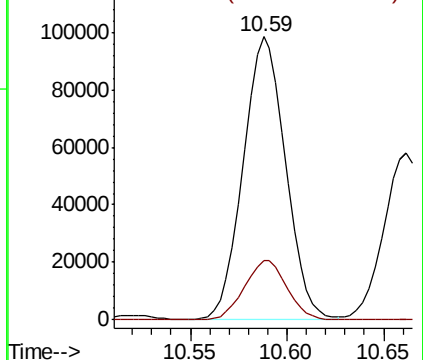
91 100

120 20.9 10.6 31.8



Abundance Ion 91.00 (90.70 to 91.70): VU0

Ion 120.00 (119.70 to 120.70): V

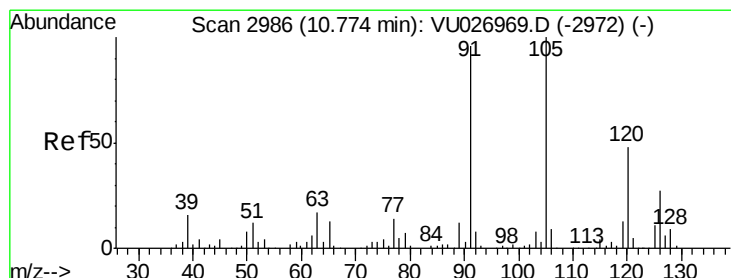
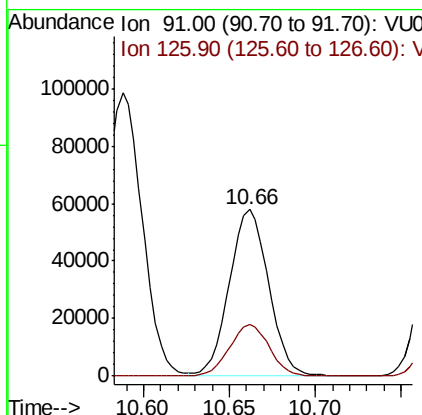
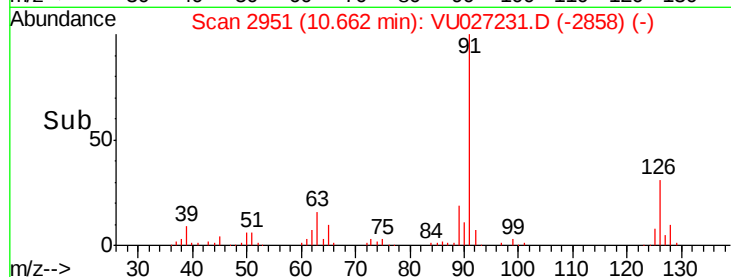
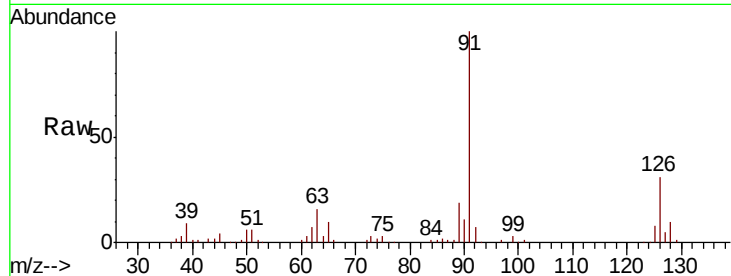




#79
 2-Chlorotoluene
 Concen: 22.647 ug/l
 RT: 10.66 min Scan# 2951
 Delta R.T. 0.00 min
 Lab File: VU027231.D
 Acq: 27 Sep 2018 17:54

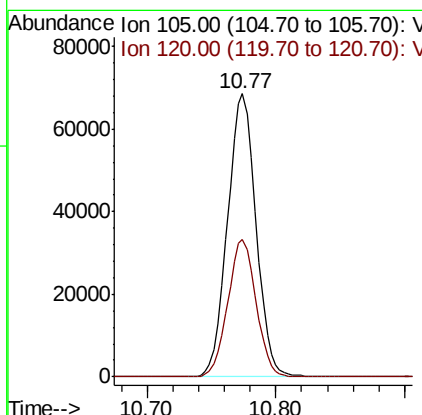
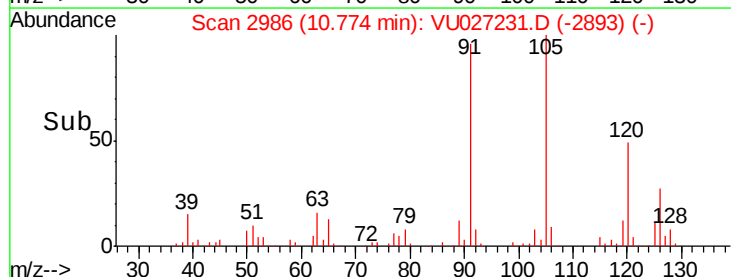
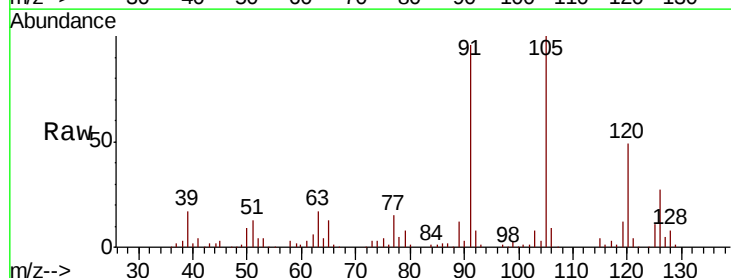
Instrument :
 MSVOA_U
 ClientSampleId :
 VU0928WBS01

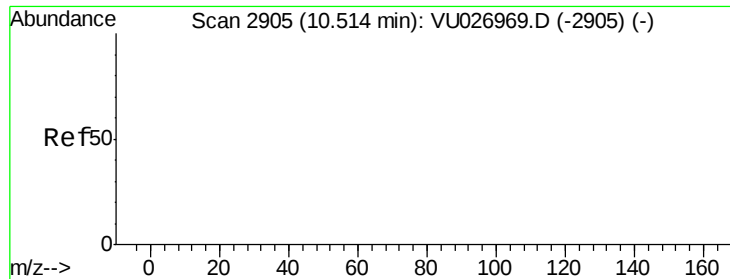
Tot Ion: 91 Resp: 91412
 Ion Ratio Lower Upper
 91 100
 126 31.5 15.8 47.3



#80
 1,3,5-Trimethylbenzene
 Concen: 23.417 ug/l
 RT: 10.77 min Scan# 2986
 Delta R.T. 0.00 min
 Lab File: VU027231.D
 Acq: 27 Sep 2018 17:54

Tgt Ion: 105 Resp: 104983
 Ion Ratio Lower Upper
 105 100
 120 48.1 23.9 71.7





#81

trans-1,4-Dichloro-2-butene

Concen: 86.439 ug/l

RT: 10.49 min Scan# 2899

Delta R.T. -0.02 min

Lab File: VU027231.D

Acq: 27 Sep 2018 17:54

Instrument :

MSVOA_U

ClientSampleId :

VU0928WBS01

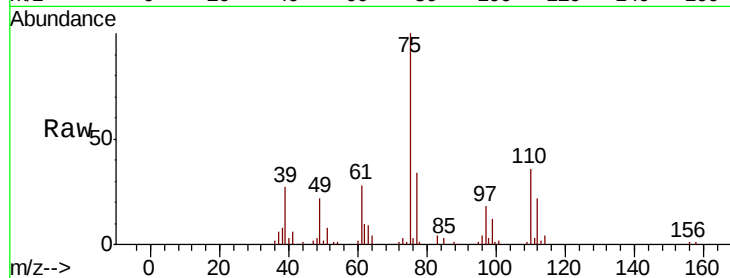
Tot Ion: 75 Resp: 58586

Ion Ratio Lower Upper

75 100

53 0.0 0.0 0.0

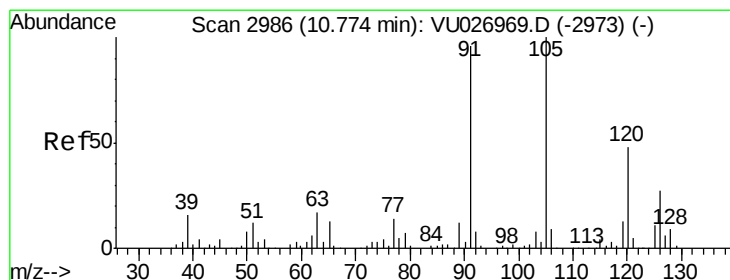
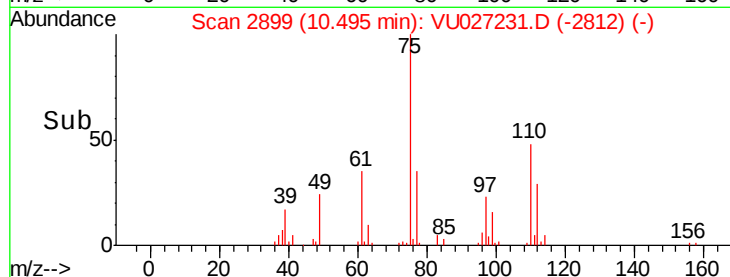
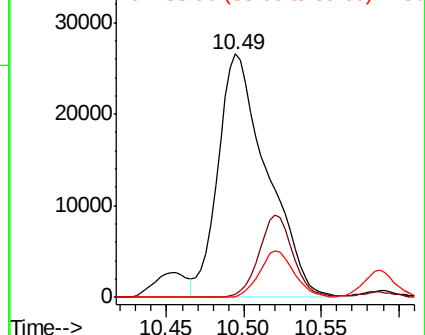
89 0.0 0.0 0.0



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: 22.742 ug/l

RT: 10.77 min Scan# 2986

Delta R.T. 0.00 min

Lab File: VU027231.D

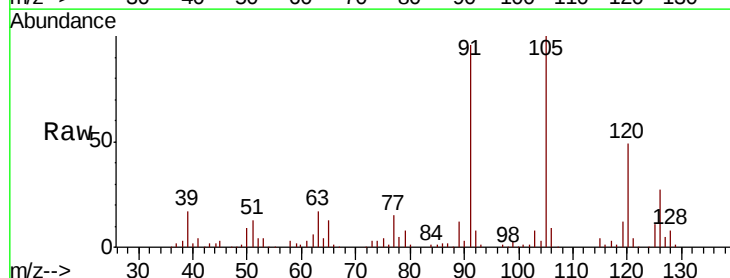
Acq: 27 Sep 2018 17:54

Tgt Ion: 91 Resp: 102930

Ion Ratio Lower Upper

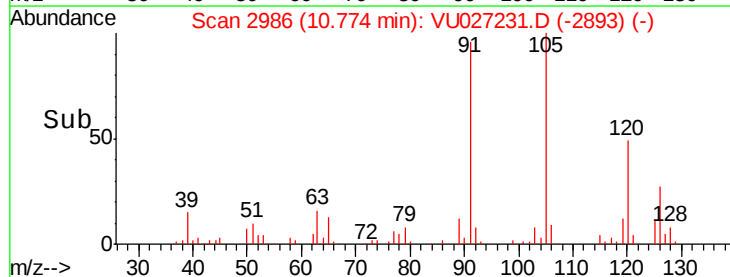
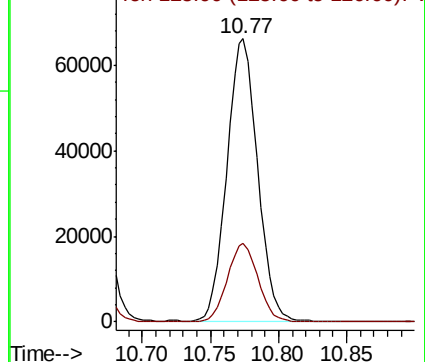
91 100

126 27.8 14.1 42.2



Abundance Ion 91.00 (90.70 to 91.70): VU0

Ion 125.90 (125.60 to 126.60): V

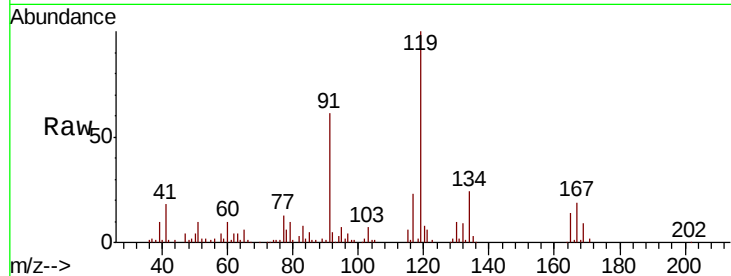




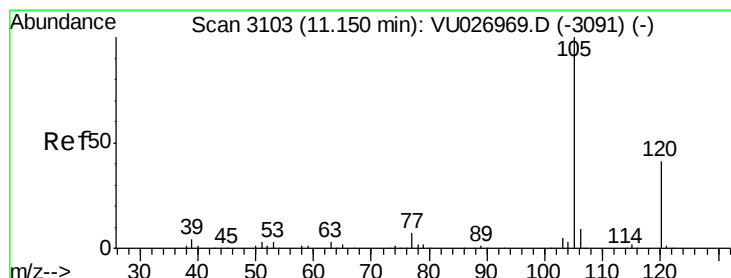
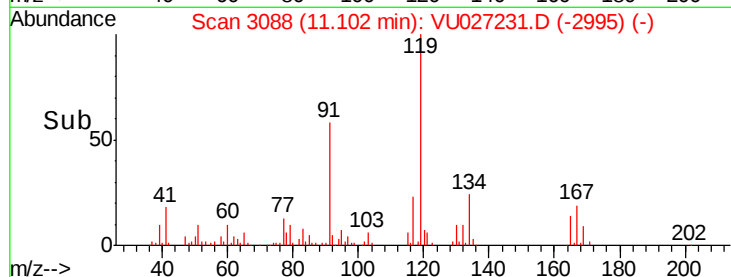
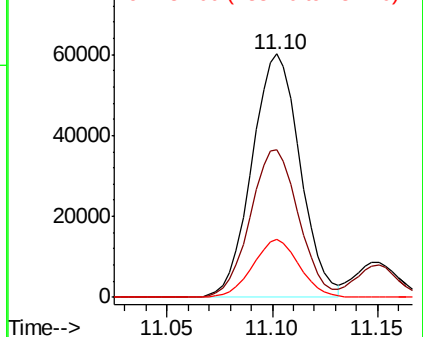
#83
tert-Butylbenzene
Concen: 21.559 ug/l
RT: 11.10 min Scan# 3088
Delta R.T. 0.00 min
Lab File: VU027231.D
Acq: 27 Sep 2018 17:54

Instrument :
MSVOA_U
ClientSampleId :
VU0928WBS01

Tot Ion	Ratio	Lower	Upper
119	100		
91	61.1	29.8	89.4
134	22.9	11.5	34.4

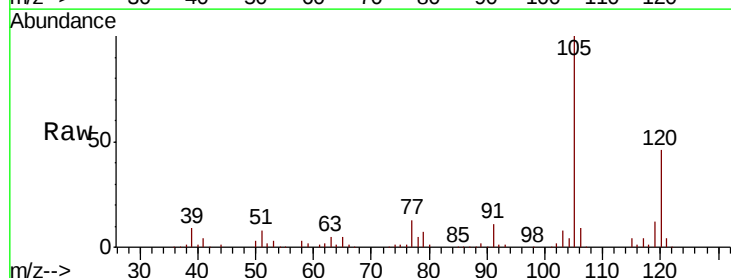


Abundance Ion 119.00 (118.70 to 119.70): V
Ion 91.00 (90.70 to 91.70): V
Ion 134.00 (133.70 to 134.70): V

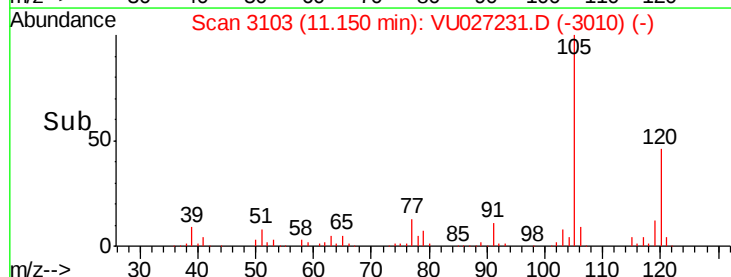
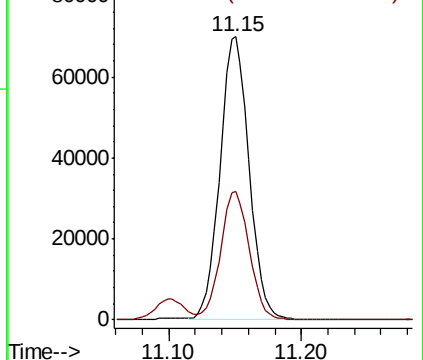


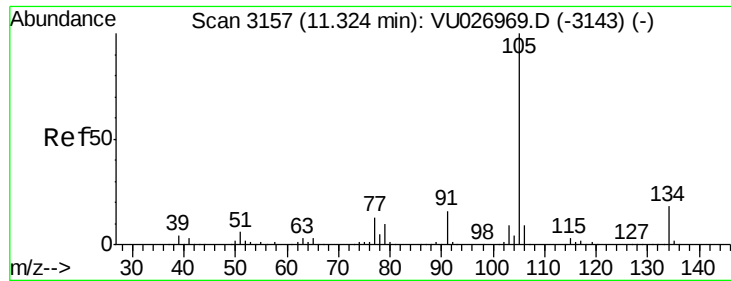
#84
1,2,4-Trimethylbenzene
Concen: 23.343 ug/l
RT: 11.15 min Scan# 3103
Delta R.T. 0.00 min
Lab File: VU027231.D
Acq: 27 Sep 2018 17:54

Tgt Ion	Ratio	Lower	Upper
105	100		
120	45.0	22.4	67.2



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

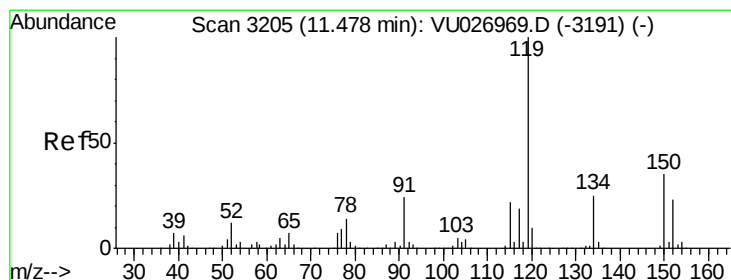
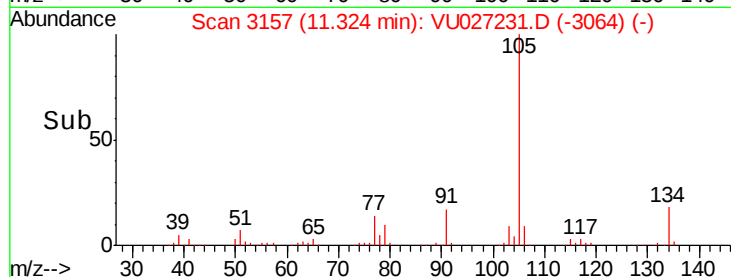
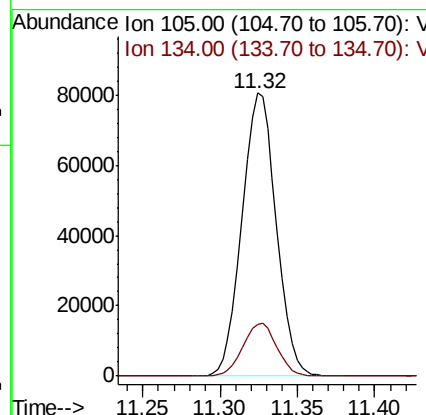
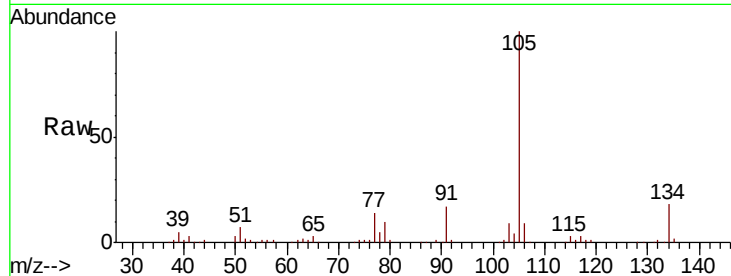




#85
 sec-Butylbenzene
 Concen: 22.850 ug/l
 RT: 11.32 min Scan# 3157
 Delta R.T. 0.00 min
 Lab File: VU027231.D
 Acq: 27 Sep 2018 17:54

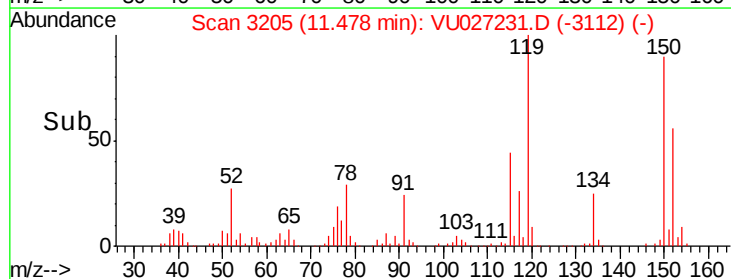
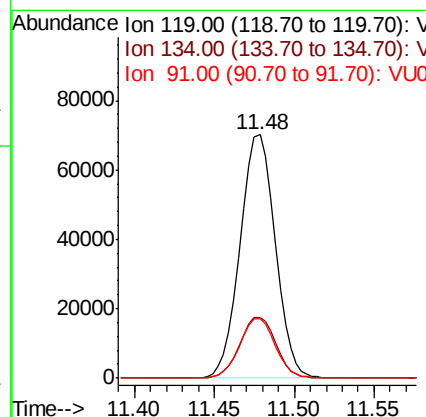
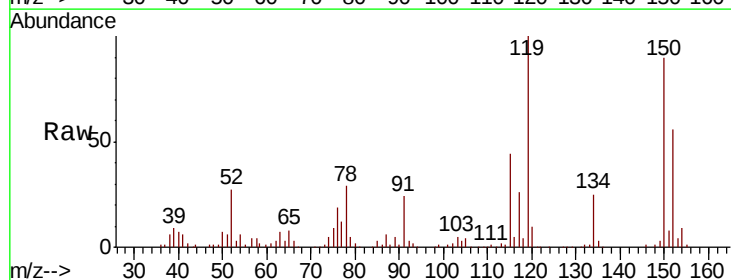
Instrument :
 MSVOA_U
 ClientSampleId :
 VU0928WBS01

Tot Ion:105 Resp: 123629
 Ion Ratio Lower Upper
 105 100
 134 18.7 9.4 28.2



#86
 p-Isopropyltoluene
 Concen: 21.215 ug/l
 RT: 11.48 min Scan# 3205
 Delta R.T. 0.00 min
 Lab File: VU027231.D
 Acq: 27 Sep 2018 17:54

Tgt Ion:119 Resp: 104946
 Ion Ratio Lower Upper
 119 100
 134 25.5 12.8 38.3
 91 24.8 12.3 36.8

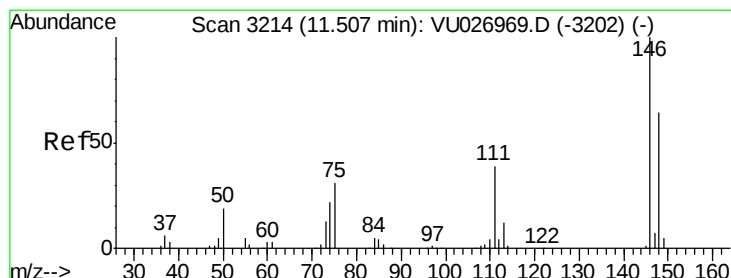
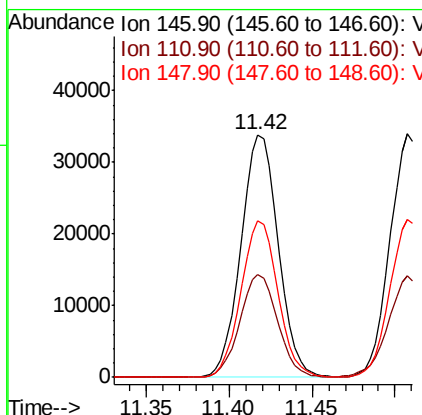
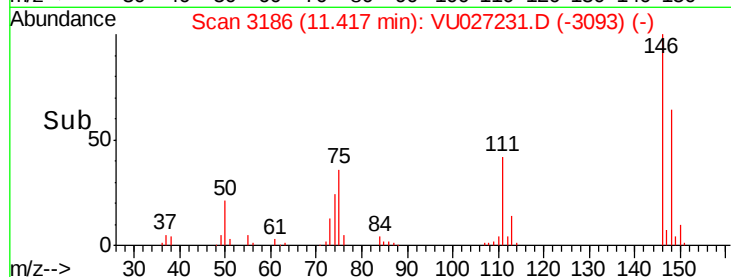
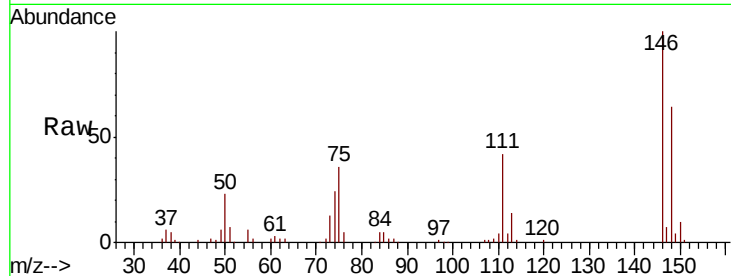




#87
 1,3-Dichlorobenzene
 Concen: 21.509 ug/l
 RT: 11.42 min Scan# 3186
 Delta R.T. 0.00 min
 Lab File: VU027231.D
 Acq: 27 Sep 2018 17:54

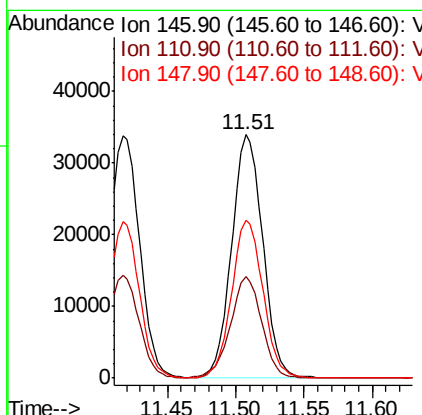
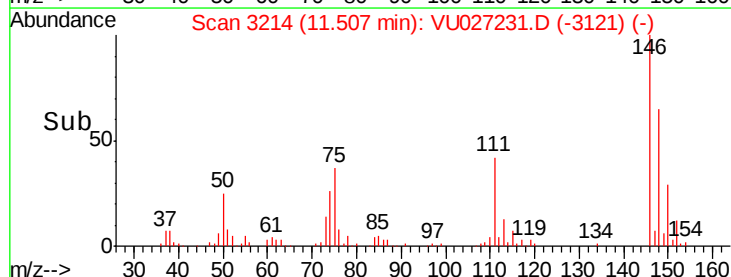
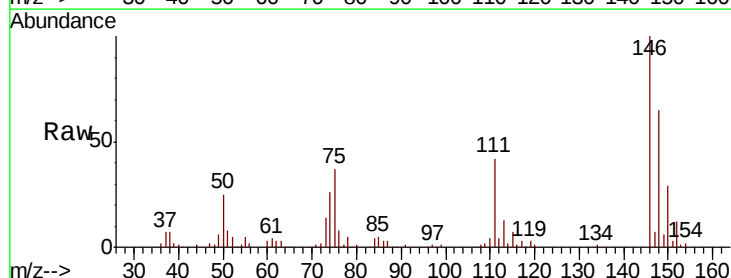
Instrument :
 MSVOA_U
 ClientSampleId :
 VU0928WBS01

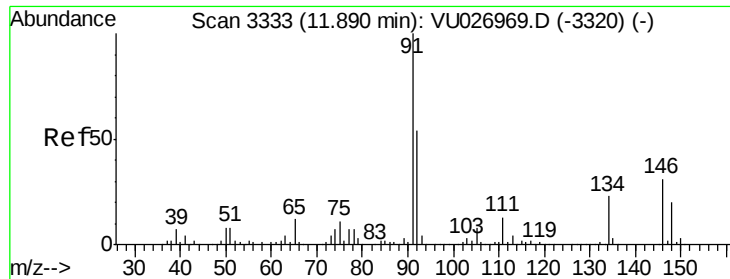
Tot Ion:146 Resp: 53121
 Ion Ratio Lower Upper
 146 100
 111 42.6 20.8 62.2
 148 63.9 32.0 96.2



#88
 1,4-Dichlorobenzene
 Concen: 20.015 ug/l
 RT: 11.51 min Scan# 3214
 Delta R.T. 0.00 min
 Lab File: VU027231.D
 Acq: 27 Sep 2018 17:54

Tgt Ion:146 Resp: 53875
 Ion Ratio Lower Upper
 146 100
 111 42.2 20.3 60.9
 148 65.2 31.9 95.9

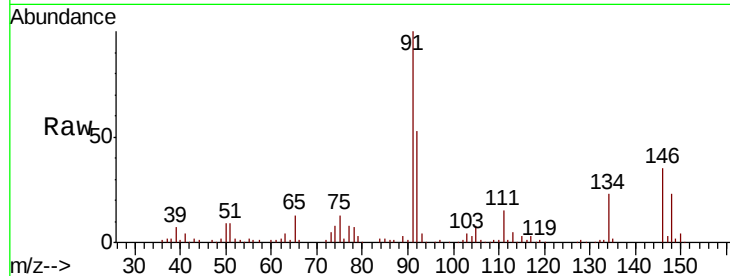




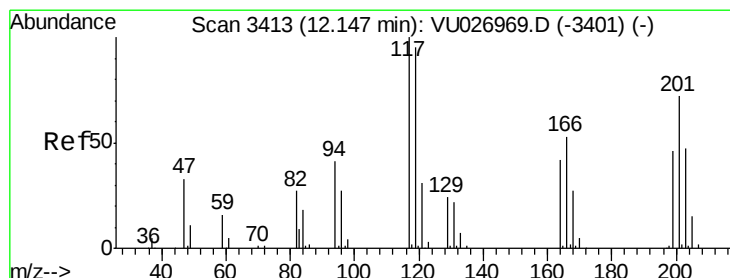
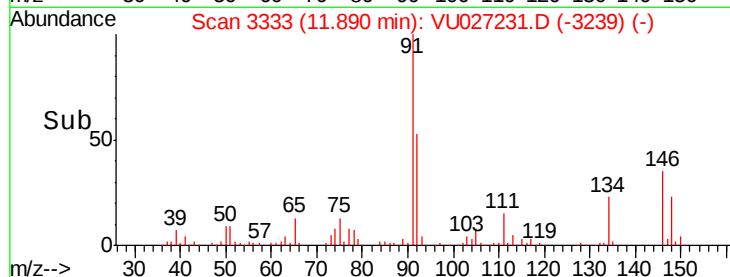
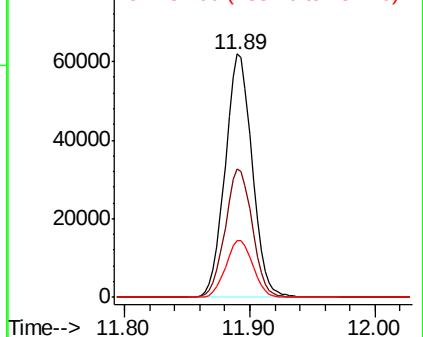
#89
n-Butylbenzene
Concen: 20.276 ug/l
RT: 11.89 min Scan# 3333
Delta R.T. 0.00 min
Lab File: VU027231.D
Acq: 27 Sep 2018 17:54

Instrument :
MSVOA_U
ClientSampleId :
VU0928WBS01

Tot Ion: 91 Resp: 92434
Ion Ratio Lower Upper
91 100
92 53.0 27.1 81.2
134 23.3 11.7 35.0

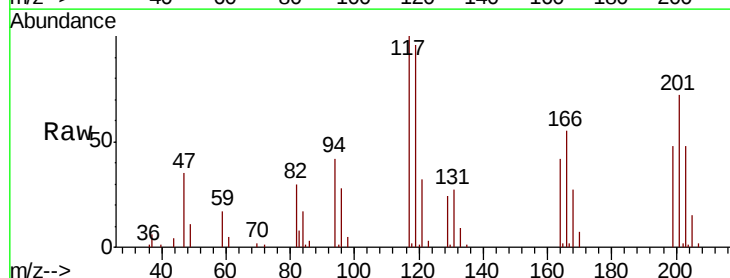


Abundance Ion 91.00 (90.70 to 91.70): VU026969.D (-3320) (-)
Ion 92.00 (91.70 to 92.70): VU026969.D (-3320) (-)
Ion 134.00 (133.70 to 134.70): VU026969.D (-3320) (-)

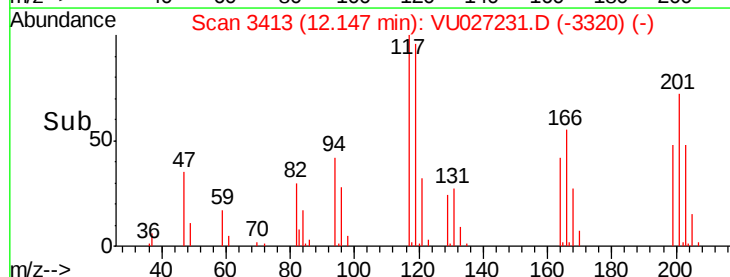
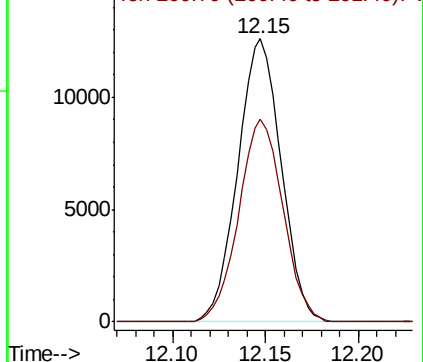


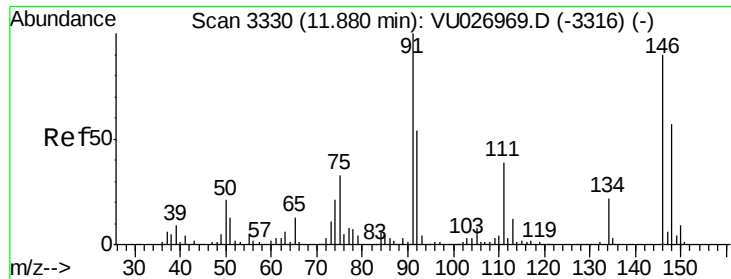
#90
Hexachloroethane
Concen: 20.744 ug/l
RT: 12.15 min Scan# 3413
Delta R.T. 0.00 min
Lab File: VU027231.D
Acq: 27 Sep 2018 17:54

Tgt Ion: 117 Resp: 20410
Ion Ratio Lower Upper
117 100
201 73.0 36.8 110.3



Abundance Ion 116.80 (116.50 to 117.50): VU026969.D (-3401) (-)
Ion 200.70 (200.40 to 201.40): VU026969.D (-3401) (-)

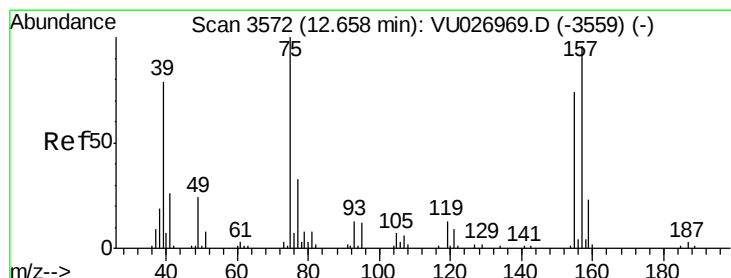
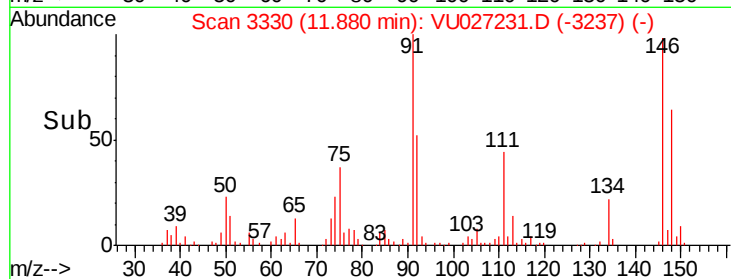
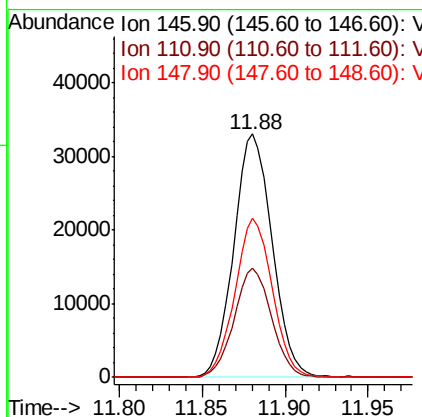
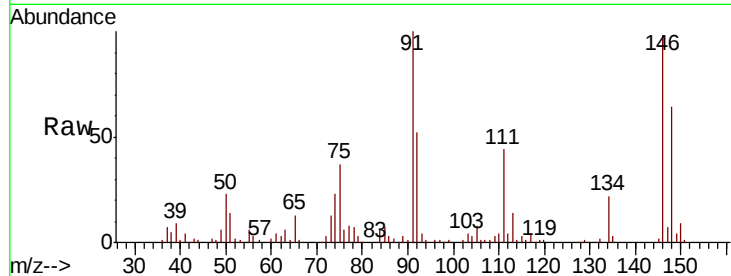




#91
 1,2-Dichlorobenzene
 Concen: 20.375 ug/l
 RT: 11.88 min Scan# 3330
 Delta R.T. 0.00 min
 Lab File: VU027231.D
 Acq: 27 Sep 2018 17:54

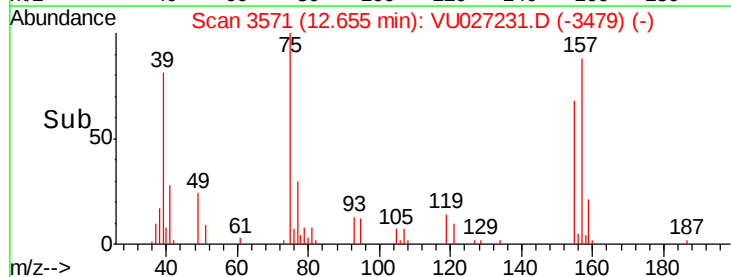
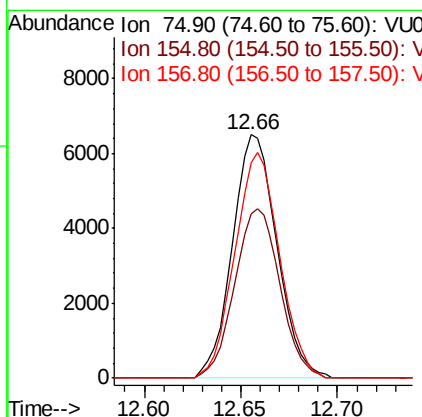
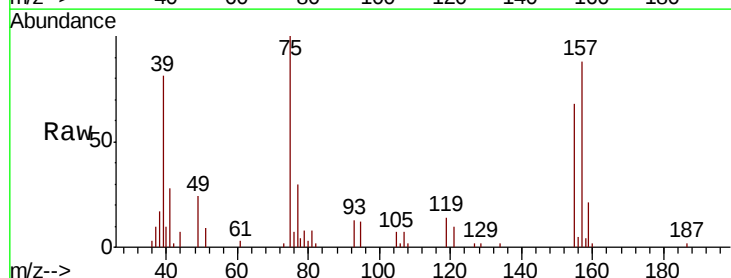
Instrument :
 MSVOA_U
 ClientSampleId :
 VU0928WBS01

Tot Ion:146 Resp: 53453
 Ion Ratio Lower Upper
 146 100
 111 43.5 21.8 65.3
 148 63.5 31.9 95.7



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 20.410 ug/l
 RT: 12.66 min Scan# 3571
 Delta R.T. -0.00 min
 Lab File: VU027231.D
 Acq: 27 Sep 2018 17:54

Tgt Ion: 75 Resp: 10397
 Ion Ratio Lower Upper
 75 100
 155 70.8 36.6 109.8
 157 93.0 47.4 142.2

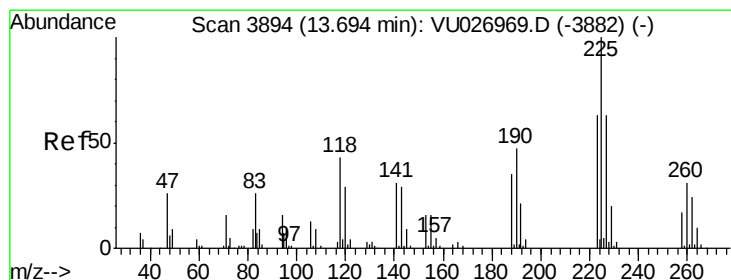
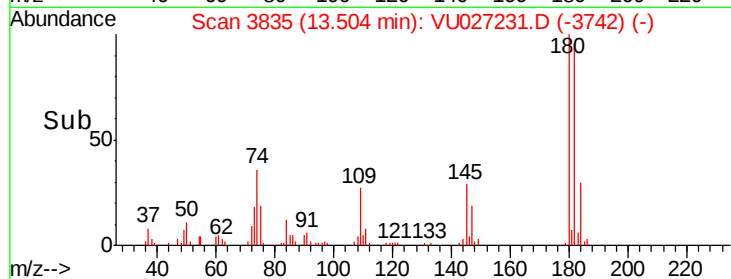
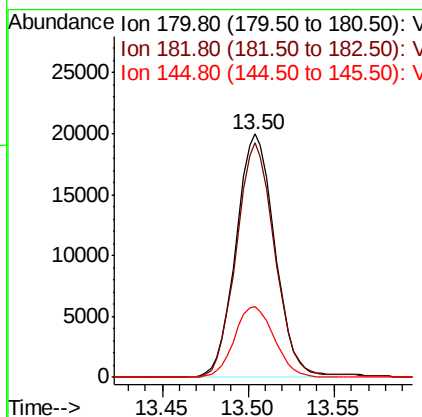
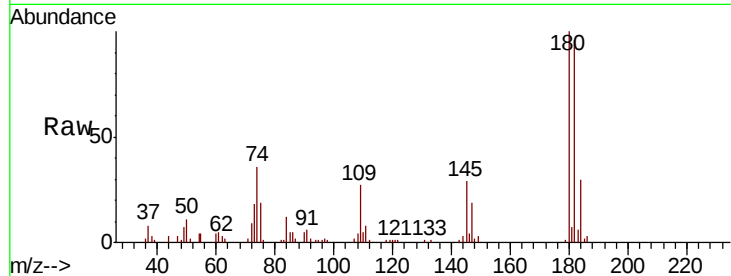




#93
 1,2,4-Trichlorobenzene
 Concen: 20.744 ug/l
 RT: 13.50 min Scan# 3835
 Delta R.T. 0.00 min
 Lab File: VU027231.D
 Acq: 27 Sep 2018 17:54

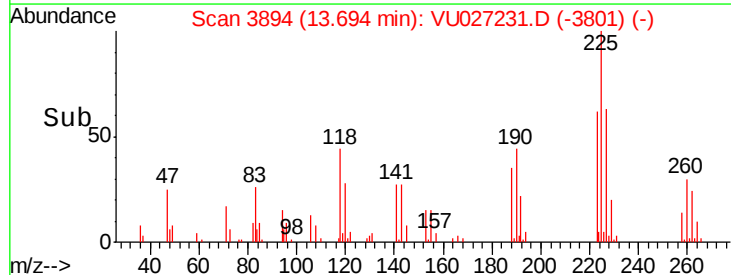
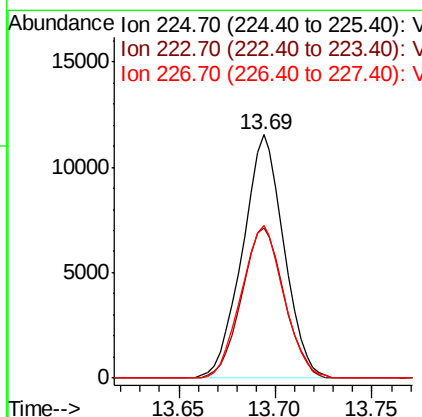
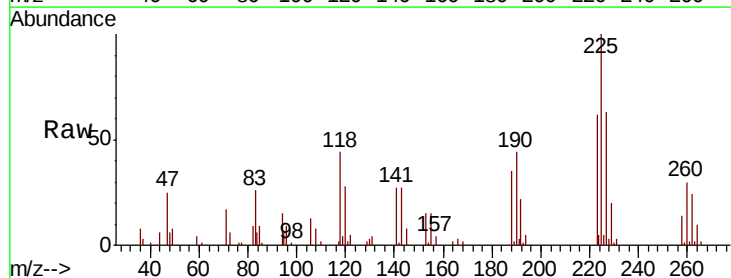
Instrument :
 MSVOA_U
 ClientSampleId :
 VU0928WBS01

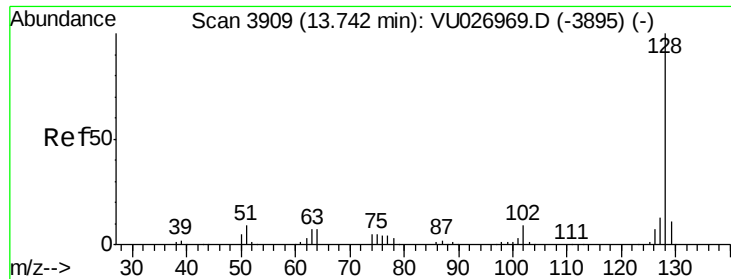
Tot Ion:180 Resp: 31361
 Ion Ratio Lower Upper
 180 100
 182 96.2 47.4 142.2
 145 29.6 14.9 44.5



#94
 Hexachlorobutadiene
 Concen: 21.514 ug/l
 RT: 13.69 min Scan# 3894
 Delta R.T. 0.00 min
 Lab File: VU027231.D
 Acq: 27 Sep 2018 17:54

Tgt Ion:225 Resp: 17209
 Ion Ratio Lower Upper
 225 100
 223 63.2 31.9 95.7
 227 64.4 32.1 96.5

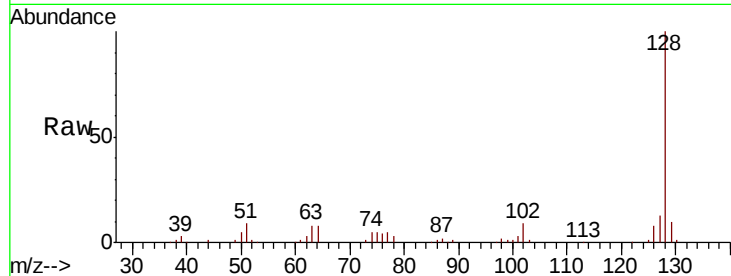




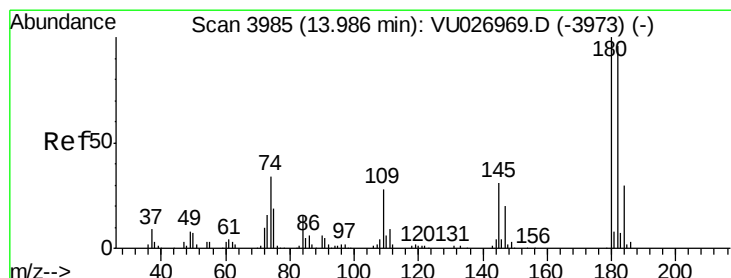
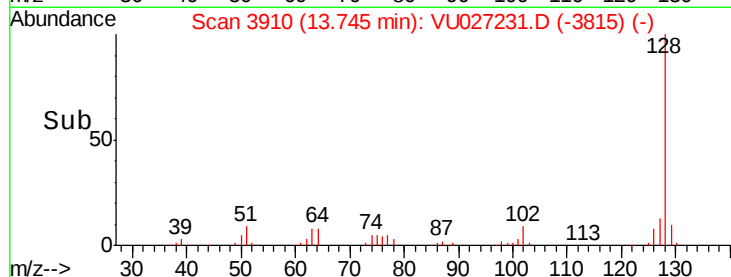
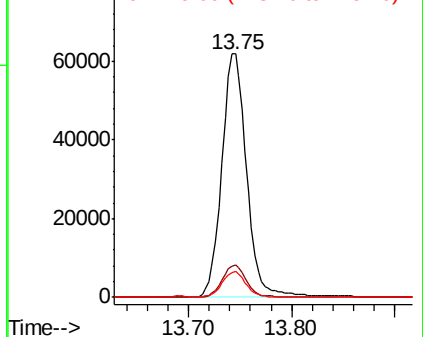
#95
Naphthalene
Concen: 18.680 ug/l
RT: 13.75 min Scan# 3910
Delta R.T. 0.00 min
Lab File: VU027231.D
Acq: 27 Sep 2018 17:54

Instrument :
MSVOA_U
ClientSampleId :
VU0928WBS01

Tot Ion:128 Resp: 103945
Ion Ratio Lower Upper
128 100
127 13.0 10.6 15.8
129 10.3 8.6 12.8

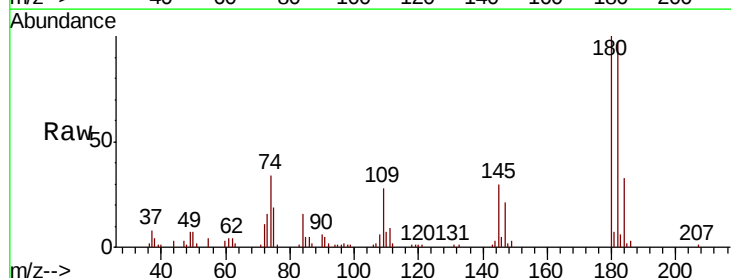


Abundance Ion 128.00 (127.70 to 128.70): V
Ion 127.00 (126.70 to 127.70): V
Ion 129.00 (128.70 to 129.70): V



#96
1,2,3-Trichlorobenzene
Concen: 21.070 ug/l
RT: 13.99 min Scan# 3985
Delta R.T. 0.00 min
Lab File: VU027231.D
Acq: 27 Sep 2018 17:54

Tgt Ion:180 Resp: 34160
Ion Ratio Lower Upper
180 100
182 96.3 47.5 142.5
145 30.8 15.4 46.4



Abundance Ion 179.80 (179.50 to 180.50): V
Ion 181.80 (181.50 to 182.50): V
Ion 144.90 (144.60 to 145.60): V

