

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU092818\
 Data File : VU027257.D
 Acq On : 28 Sep 2018 09:39
 Operator : MD/SY
 Sample : VU0928WBS02
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VU0928WBS02

Quant Time: Sep 28 16:12:54 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\82U092218W.M
 Quant Title : SW846 8260
 QLast Update : Sat Sep 22 01:31:57 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.98	168	83305	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.89	114	140916	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.09	117	135274	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.48	152	71522	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	5.31	65	78213	46.65	ug/l	0.00
Spiked Amount	50.000		Recovery	=	93.30%	
35) Dibromofluoromethane	4.88	113	56885	46.57	ug/l	0.00
Spiked Amount	50.000		Recovery	=	93.14%	
50) Toluene-d8	7.57	98	207974	44.68	ug/l	0.00
Spiked Amount	50.000		Recovery	=	89.36%	
62) 4-Bromofluorobenzene	10.31	95	77064	48.25	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.50%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.21	85	24051	22.113	ug/l	96
3) Chloromethane	1.33	50	37664	20.085	ug/l	99
4) Vinyl Chloride	1.40	62	35846	20.478	ug/l	99
5) Bromomethane	1.62	94	19876	19.940	ug/l	98
6) Chloroethane	1.70	64	22865	20.444	ug/l	99
7) Trichlorofluoromethane	1.88	101	39792	20.015	ug/l	97
8) Diethyl Ether	2.11	74	18478	19.310	ug/l	92
9) 1,1,2-Trichlorotrifluoroet	2.29	101	22854	18.696	ug/l	99
10) Methyl Iodide	2.41	142	12086	7.972	ug/l	98
11) Tert butyl alcohol	2.82	59	35518	92.422	ug/l	99
12) 1,1-Dichloroethene	2.29	96	21617	18.788	ug/l	99
13) Acrolein	2.19	56	11160	53.870	ug/l	98
14) Allyl chloride	2.59	41	52904	22.670	ug/l	95
15) Acrylonitrile	2.94	53	99990	103.233	ug/l	99
16) Acetone	2.32	43	104137	107.468	ug/l	98
17) Carbon Disulfide	2.48	76	77172	20.589	ug/l	99
18) Methyl Acetate	2.62	43	55063	23.073	ug/l	100
19) Methyl tert-butyl Ether	3.00	73	91228	21.577	ug/l	100
20) Methylene Chloride	2.70	84	29057	19.351	ug/l	96
21) trans-1,2-Dichloroethene	2.98	96	25826	21.024	ug/l	99
22) Diisopropyl ether	3.57	45	114015	22.842	ug/l	98
23) Vinyl Acetate	3.53	43	475125	111.668	ug/l	100
24) 1,1-Dichloroethane	3.45	63	58888	21.421	ug/l	99
25) 2-Butanone	4.26	43	148530	105.412	ug/l	97
26) 2,2-Dichloropropane	4.23	77	46804	21.831	ug/l	100
27) cis-1,2-Dichloroethene	4.23	96	29154	21.015	ug/l	96
28) Bromochloromethane	4.55	49	27472	20.731	ug/l	95
29) Tetrahydrofuran	4.64	42	90848	106.582	ug/l	98
30) Chloroform	4.67	83	53077	20.800	ug/l	100
31) Cyclohexane	5.00	56	56074	22.118	ug/l	98
32) 1,1,1-Trichloroethane	4.92	97	43606	21.403	ug/l	99
36) 1,1-Dichloropropene	5.14	75	39156	20.820	ug/l	98
37) Ethyl Acetate	4.38	43	52281	20.535	ug/l	98
38) Carbon Tetrachloride	5.13	117	36424	20.352	ug/l	97

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU092818\
 Data File : VU027257.D
 Acq On : 28 Sep 2018 09:39
 Operator : MD/SY
 Sample : VU0928WBS02
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VU0928WBS02

Quant Time: Sep 28 16:12:54 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)
39) Methylcyclohexane	6.42	83	45407	22.217	ug/l	95
40) Benzene	5.39	78	117723	20.591	ug/l	98
41) Methacrylonitrile	4.54	41	29489	22.303	ug/l	97
42) 1,2-Dichloroethane	5.40	62	44558	20.628	ug/l	100
43) Isopropyl Acetate	5.55	43	79013	21.280	ug/l	99
44) Trichloroethene	6.19	130	25294	20.781	ug/l	98
45) 1,2-Dichloropropane	6.43	63	34240	21.018	ug/l	95
46) Dibromomethane	6.56	93	20057	20.386	ug/l	100
47) Bromodichloromethane	6.76	83	40259	20.237	ug/l	98
48) Methyl methacrylate	6.62	41	40007	20.408	ug/l	99
49) 1,4-Dioxane	6.61	88	14377	357.114	ug/l	99
51) 4-Methyl-2-Pentanone	7.46	43	265932	106.493	ug/l	100
52) Toluene	7.64	92	70767	21.594	ug/l	99
53) t-1,3-Dichloropropene	7.88	75	46997	21.987	ug/l	96
54) cis-1,3-Dichloropropene	7.27	75	50175	21.349	ug/l	99
55) 1,1,2-Trichloroethane	8.07	97	28741	20.698	ug/l	99
56) Ethyl methacrylate	8.02	69	45423	20.219	ug/l	98
57) 1,3-Dichloropropane	8.24	76	54290	21.021	ug/l	100
58) 2-Chloroethyl Vinyl ether	7.13	63	116871	88.671	ug/l	99
59) 2-Hexanone	8.36	43	204032	104.378	ug/l	99
60) Dibromochloromethane	8.48	129	27753	20.376	ug/l	98
61) 1,2-Dibromoethane	8.59	107	29152	20.177	ug/l	99
64) Tetrachloroethene	8.23	164	22007	21.112	ug/l	97
65) Chlorobenzene	9.12	112	72117	20.106	ug/l	99
66) 1,1,1,2-Tetrachloroethane	9.21	131	25750	20.843	ug/l	98
67) Ethyl Benzene	9.25	91	126553	21.457	ug/l	100
68) m/p-Xylenes	9.38	106	94949	40.654	ug/l	98
69) o-Xylene	9.78	106	45595	21.818	ug/l	99
70) Styrene	9.79	104	73042	19.852	ug/l	98
71) Bromoform	9.96	173	19666	20.585	ug/l #	98
73) Isopropylbenzene	10.17	105	125148	23.003	ug/l	97
74) N-amyl acetate	10.02	43	67954	21.578	ug/l	98
75) 1,1,2,2-Tetrachloroethane	10.46	83	48818	19.516	ug/l	98
76) 1,2,3-Trichloropropane	10.49	75	56410	25.962	ug/l	82
77) Bromobenzene	10.45	156	27591	20.753	ug/l	94
78) n-propylbenzene	10.59	91	148344	23.044	ug/l	99
79) 2-Chlorotoluene	10.66	91	90190	22.305	ug/l	98
80) 1,3,5-Trimethylbenzene	10.77	105	102688	22.865	ug/l	100
81) trans-1,4-Dichloro-2-buten	10.49	75	56410	83.082	ug/l #	100
82) 4-Chlorotoluene	10.77	91	102182	22.537	ug/l	99
83) tert-Butylbenzene	11.10	119	97244	21.901	ug/l	99
84) 1,2,4-Trimethylbenzene	11.15	105	105145	23.005	ug/l	98
85) sec-Butylbenzene	11.32	105	123930	22.865	ug/l	99
86) p-Isopropyltoluene	11.48	119	103070	20.818	ug/l	99
87) 1,3-Dichlorobenzene	11.42	146	51007	20.617	ug/l	98
88) 1,4-Dichlorobenzene	11.51	146	52603	19.508	ug/l	98
89) n-Butylbenzene	11.89	91	92041	20.168	ug/l	98
90) Hexachloroethane	12.15	117	19430	19.713	ug/l	99
91) 1,2-Dichlorobenzene	11.88	146	51780	19.703	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	12.66	75	10359	20.300	ug/l	94

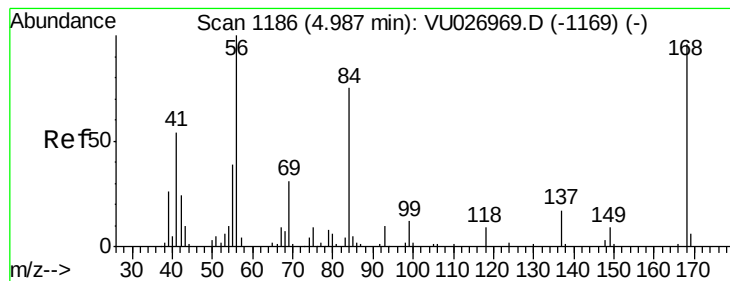
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA U\DATA\VU092818\
Data File : VU027257.D
Acq On : 28 Sep 2018 09:39
Operator : MD/SY
Sample : VU0928WBS02
Misc : 5.0mL/MSVOA U/WATER
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
VU0928WBS02

Quant Time: Sep 28 16:12:54 2018
Quant Method : Z:\V0ASRV\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)
93) 1,2,4-Trichlorobenzene	13.50	180	30751	20.305	ug/l	98
94) Hexachlorobutadiene	13.69	225	17112	21.355	ug/l	99
95) Naphthalene	13.75	128	103680	18.607	ug/l	99
96) 1,2,3-Trichlorobenzene	13.99	180	33396	20.563	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 4.98 min Scan# 1185

Delta R.T. -0.00 min

Lab File: VU027257.D

Acq: 28 Sep 2018 09:39

Instrument :

MSVOA_U

ClientSampleId :

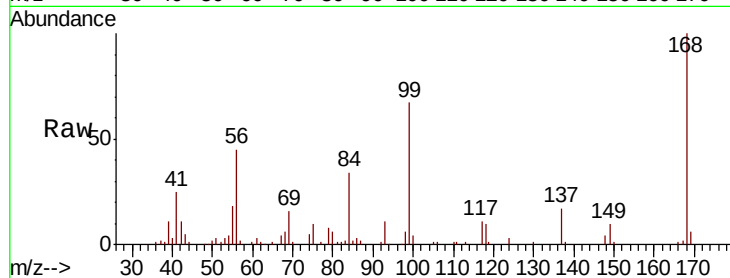
VU0928WBS02

Tot Ion:168 Resp: 83305

Ion Ratio Lower Upper

168 100

99 65.8 48.1 72.1



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

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

4.98

40000

30000

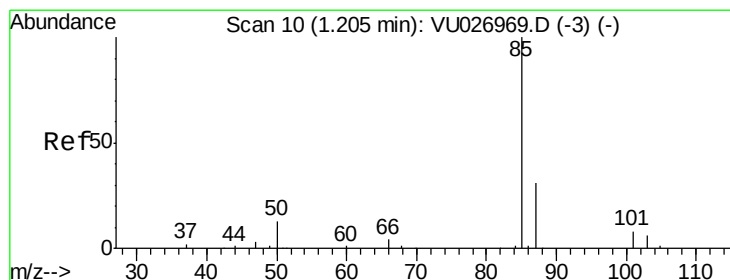
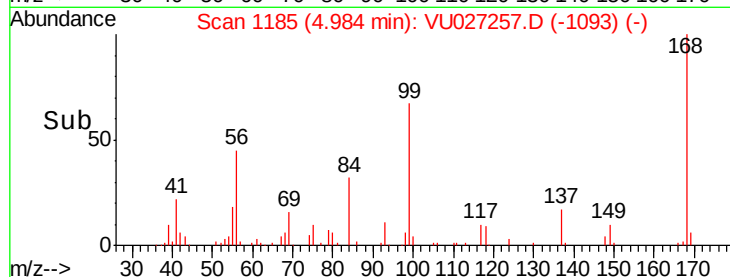
20000

10000

0

4.90 4.95 5.00 5.05

Time-->



#2

Dichlorodifluoromethane

Concen: 22.113 ug/l

RT: 1.21 min Scan# 10

Delta R.T. 0.00 min

Lab File: VU027257.D

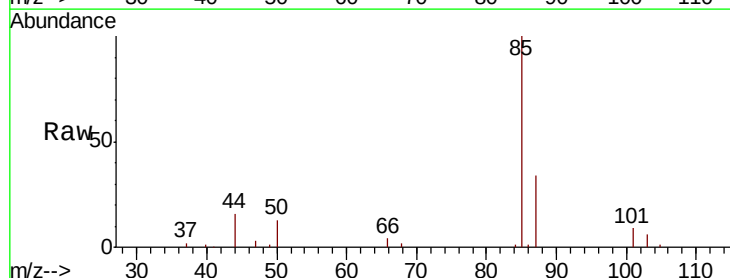
Acq: 28 Sep 2018 09:39

Tgt Ion: 85 Resp: 24051

Ion Ratio Lower Upper

85 100

87 33.6 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

25000

20000

15000

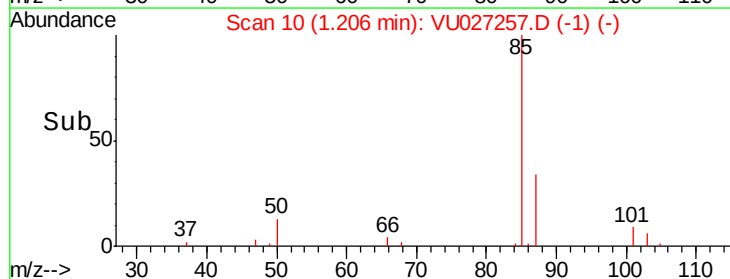
10000

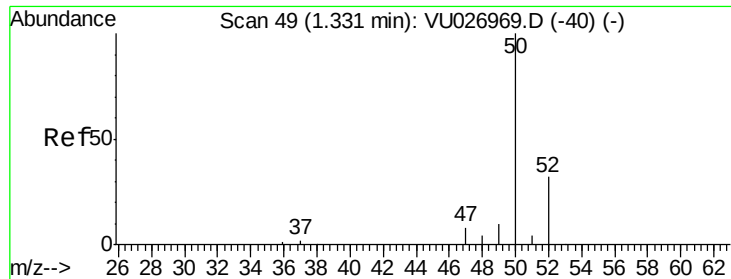
5000

0

1.15 1.20 1.25

Time-->

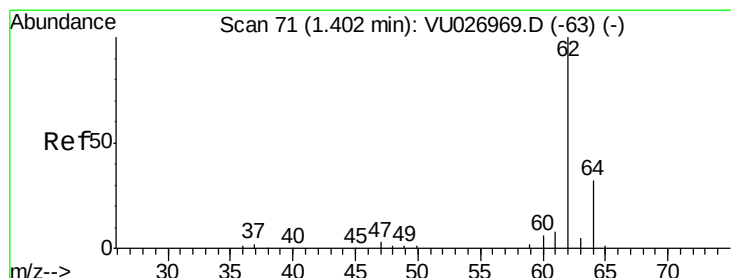
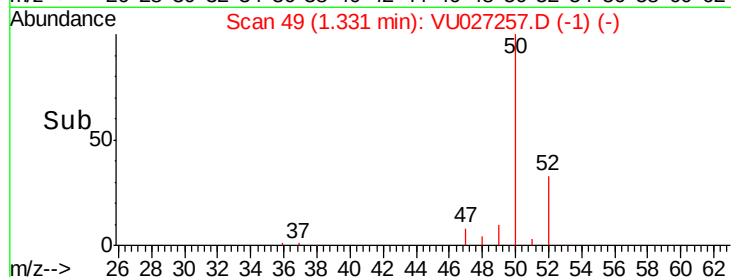
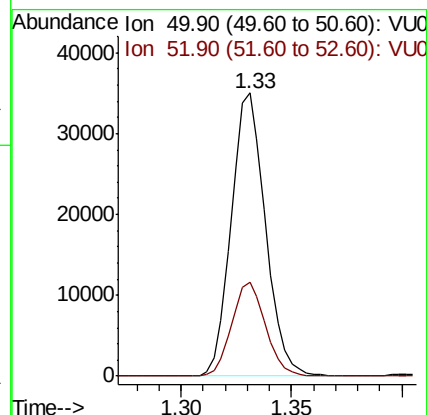
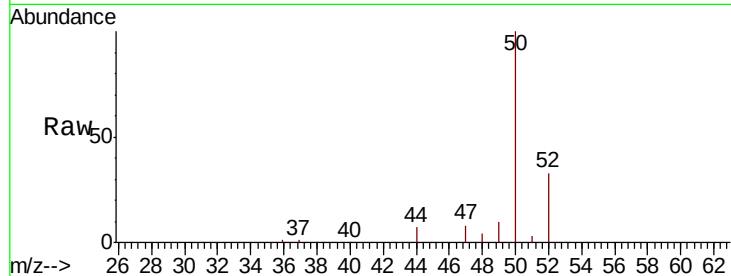




#3
Chloromethane
Concen: 20.085 ug/l
RT: 1.33 min Scan# 49
Delta R.T. 0.00 min
Lab File: VU027257.D
Acq: 28 Sep 2018 09:39

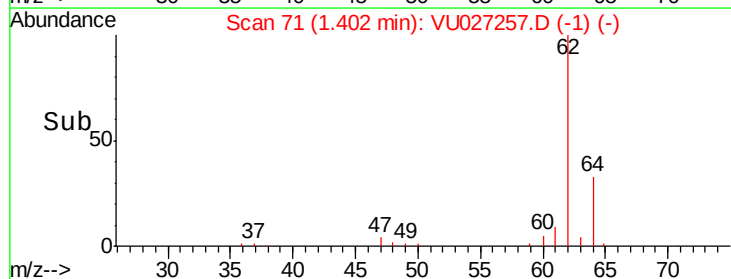
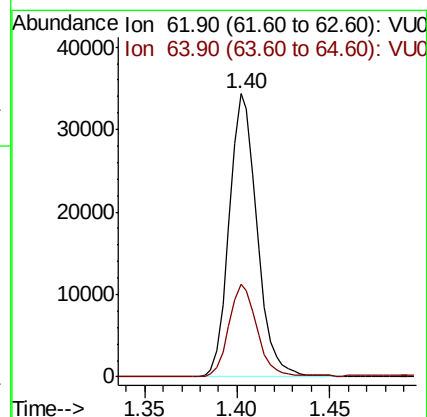
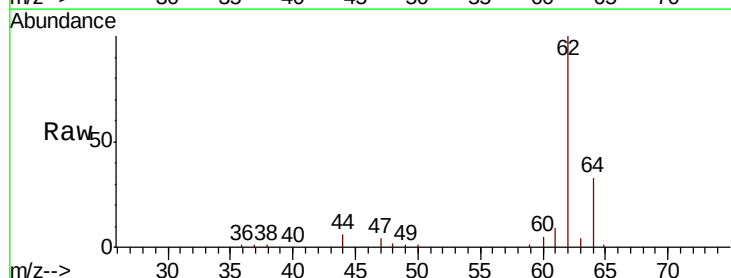
Instrument :
MSVOA_U
ClientSampleId :
VU0928WBS02

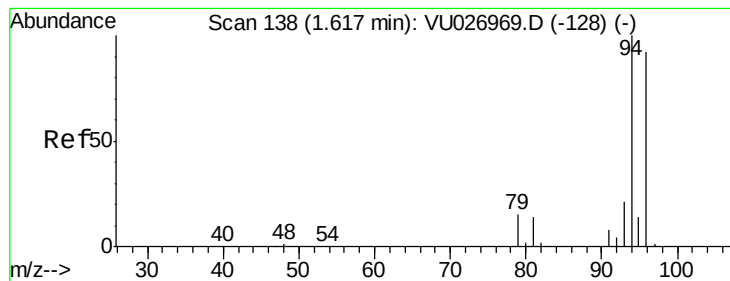
Tot Ion: 50 Resp: 37664
Ion Ratio Lower Upper
50 100
52 33.0 25.9 38.9



#4
Vinyl Chloride
Concen: 20.478 ug/l
RT: 1.40 min Scan# 71
Delta R.T. 0.00 min
Lab File: VU027257.D
Acq: 28 Sep 2018 09:39

Tgt Ion: 62 Resp: 35846
Ion Ratio Lower Upper
62 100
64 32.6 25.5 38.3





#5

Bromomethane

Concen: 19.940 ug/l

RT: 1.62 min Scan# 140

Delta R.T. 0.01 min

Lab File: VU027257.D

Acq: 28 Sep 2018 09:39

Instrument :

MSVOA_U

ClientSampleId :

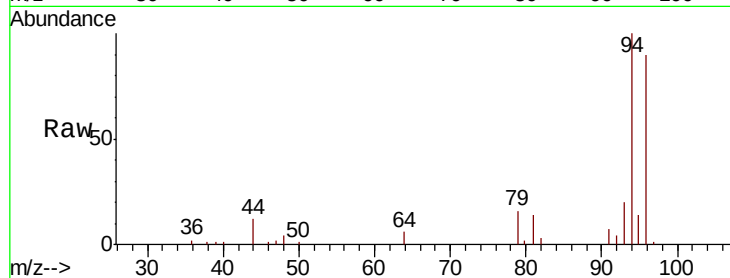
VU0928WBS02

Tot Ion: 94 Resp: 19876

Ion Ratio Lower Upper

94 100

96 89.6 73.2 109.8



Abundance Ion 93.90 (93.60 to 94.60): VU0

Ion 95.90 (95.60 to 96.60): VU0

1.62

15000

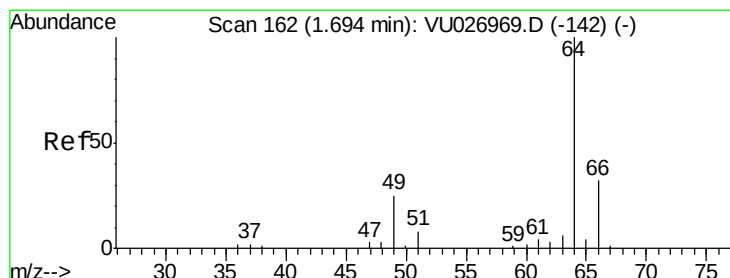
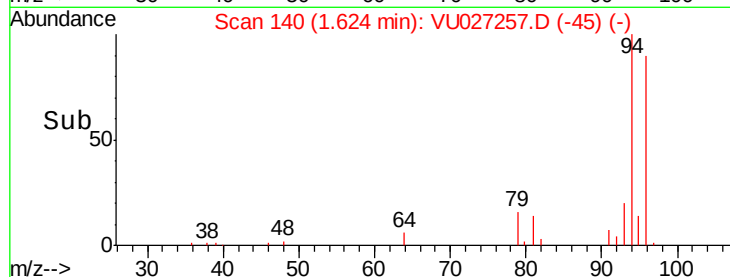
10000

5000

0

Time-->

1.60 1.65 1.70



#6

Chloroethane

Concen: 20.444 ug/l

RT: 1.70 min Scan# 163

Delta R.T. 0.00 min

Lab File: VU027257.D

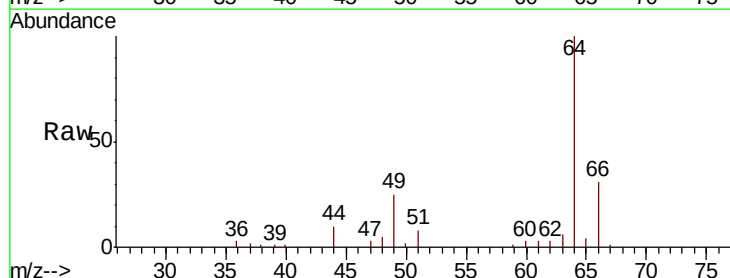
Acq: 28 Sep 2018 09:39

Tgt Ion: 64 Resp: 22865

Ion Ratio Lower Upper

64 100

66 32.2 25.3 37.9



Abundance Ion 63.90 (63.60 to 64.60): VU0

Ion 65.90 (65.60 to 66.60): VU0

20000

15000

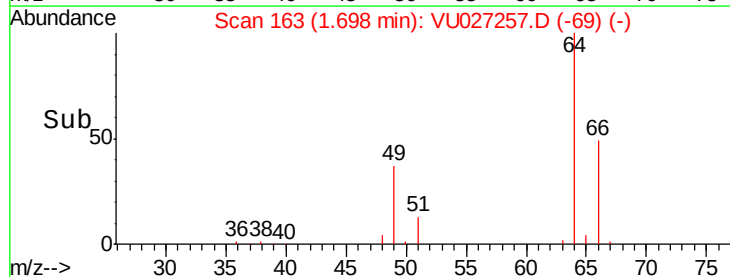
10000

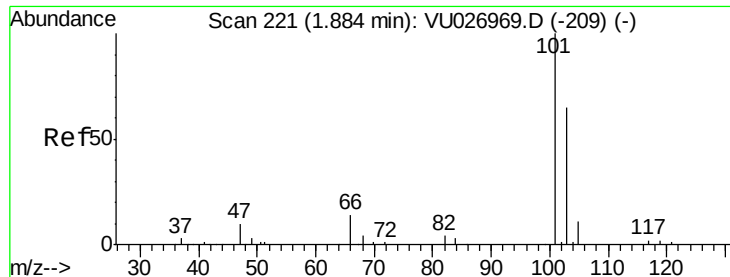
5000

0

Time-->

1.65 1.70 1.75



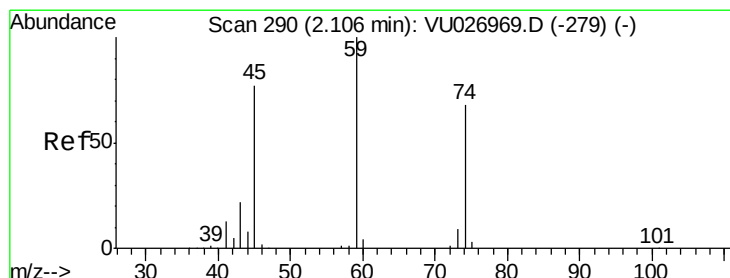
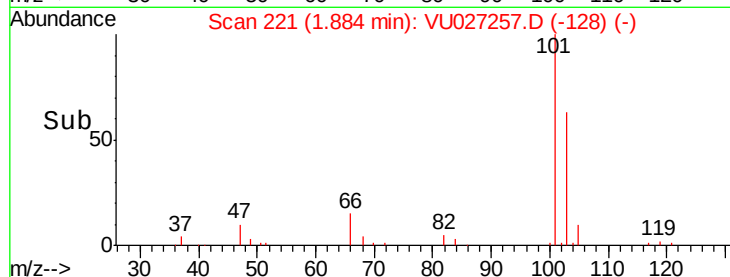
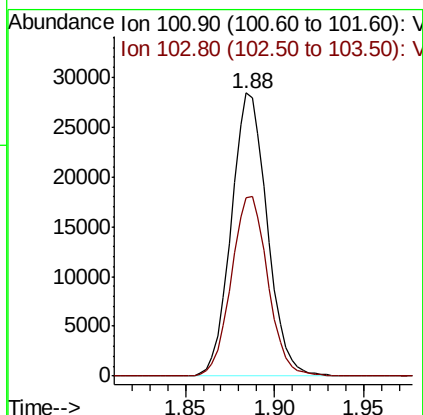
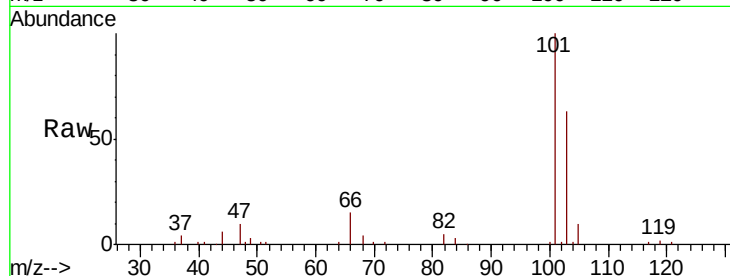


#7

Trichlorofluoromethane
 Concen: 20.015 ug/l
 RT: 1.88 min Scan# 221
 Delta R.T. 0.00 min
 Lab File: VU027257.D
 Acq: 28 Sep 2018 09:39

Instrument :
 MSVOA_U
 ClientSampleId :
 VU0928WBS02

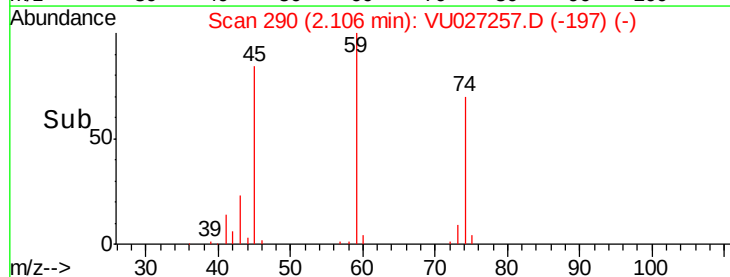
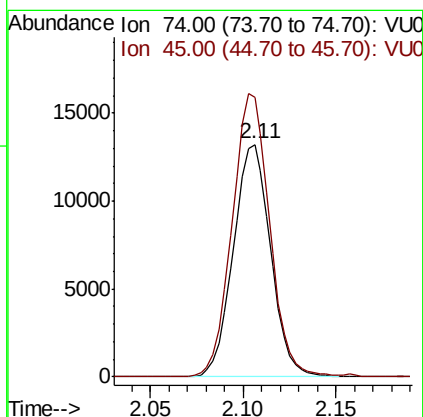
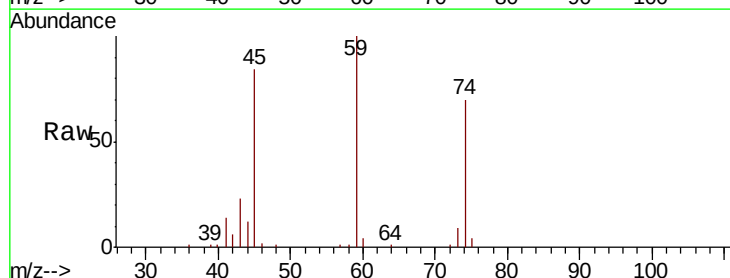
Tot Ion:101 Resp: 39792
 Ion Ratio Lower Upper
 101 100
 103 63.1 52.2 78.2

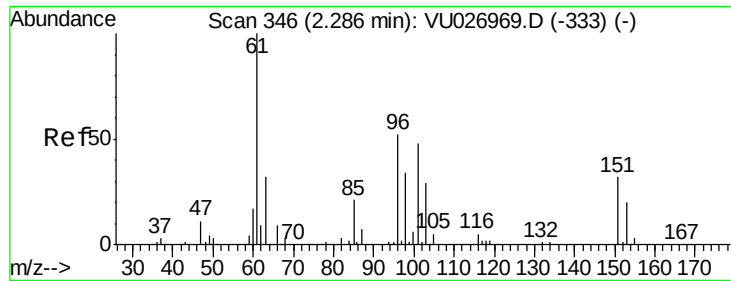


#8

Diethyl Ether
 Concen: 19.310 ug/l
 RT: 2.11 min Scan# 290
 Delta R.T. 0.00 min
 Lab File: VU027257.D
 Acq: 28 Sep 2018 09:39

Tgt Ion: 74 Resp: 18478
 Ion Ratio Lower Upper
 74 100
 45 122.7 56.9 170.7





#9

1,1,2-Trichlorotrifluoroethane

Concen: 18.696 ug/l

RT: 2.29 min Scan# 346

Delta R.T. 0.00 min

Lab File: VU027257.D

Acq: 28 Sep 2018 09:39

Instrument :

MSVOA_U

ClientSampleId :

VU0928WBS02

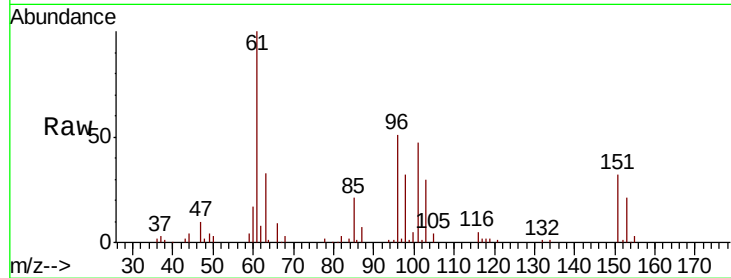
Tot Ion:101 Resp: 22854

Ion Ratio Lower Upper

101 100

85 46.1 36.2 54.2

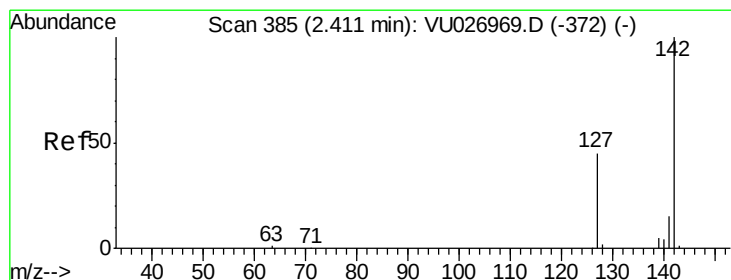
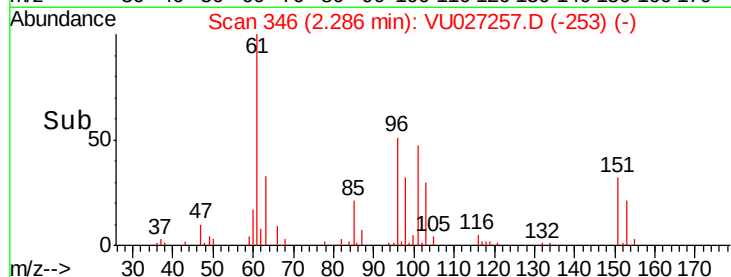
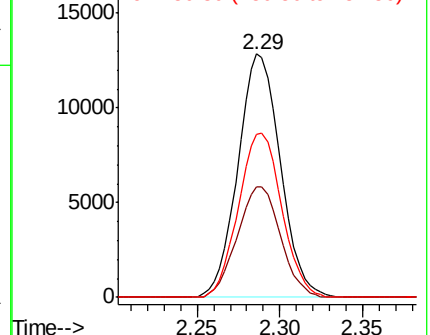
151 68.6 54.5 81.7



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): VU0

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 7.972 ug/l

RT: 2.41 min Scan# 385

Delta R.T. 0.00 min

Lab File: VU027257.D

Acq: 28 Sep 2018 09:39

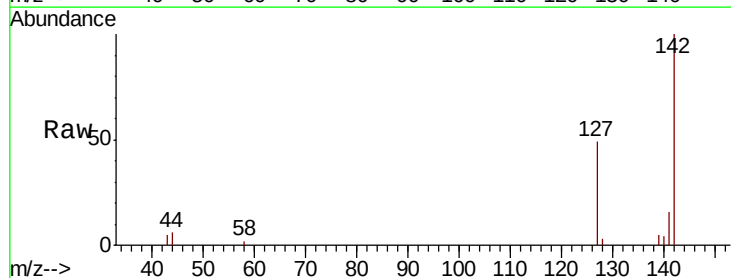
Tgt Ion:142 Resp: 12086

Ion Ratio Lower Upper

142 100

127 47.4 36.7 55.1

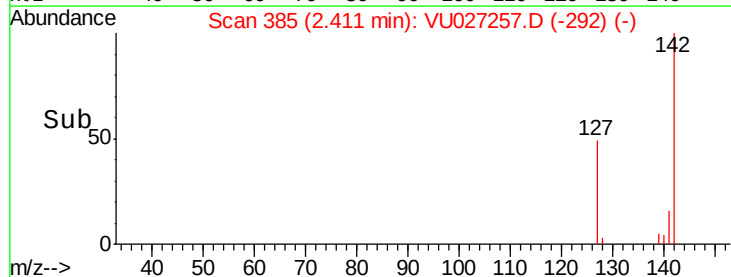
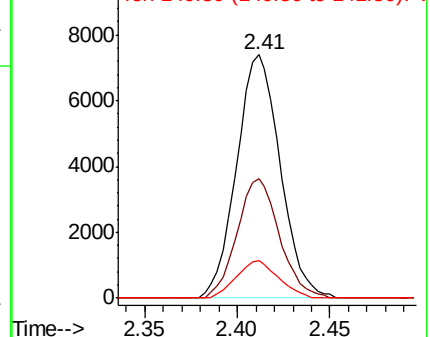
141 14.8 11.8 17.6

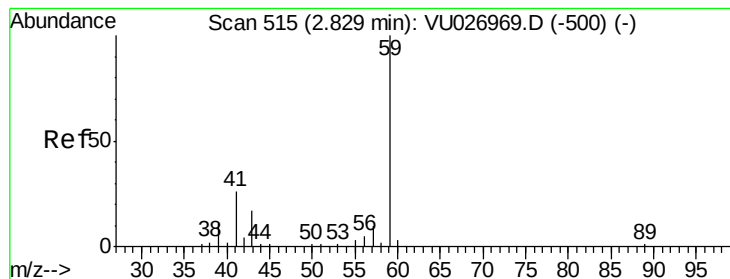


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V





#11

Tert butyl alcohol

Concen: 92.422 ug/l

RT: 2.82 min Scan# 513

Delta R.T. -0.01 min

Lab File: VU027257.D

Acq: 28 Sep 2018 09:39

Instrument :

MSVOA_U

ClientSampleId :

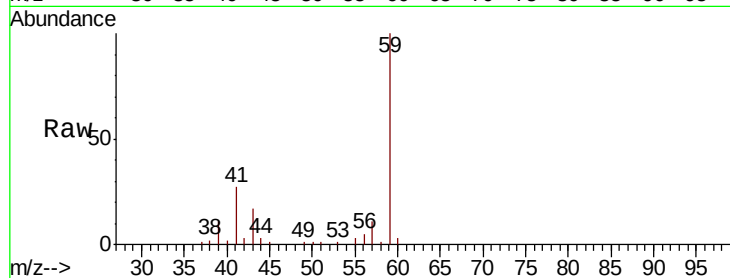
VU0928WBS02

Tot Ion: 59 Resp: 35518

Ion Ratio Lower Upper

59 100

57 10.9 8.5 12.7



Abundance Ion 59.00 (58.70 to 59.70): VU027257.D (-422) (-)

Ion 57.00 (56.70 to 57.70): VU027257.D (-422) (-)

2.82

15000

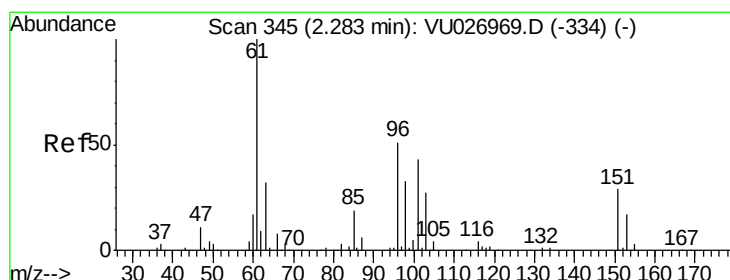
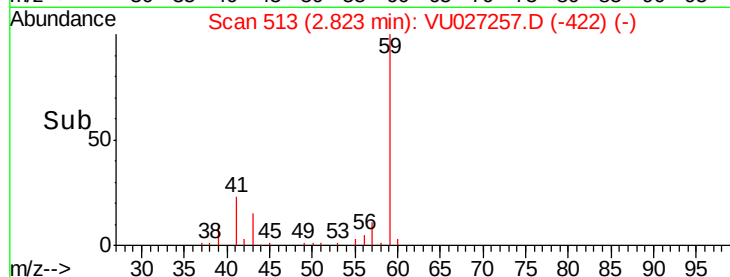
10000

5000

0

Time-->

2.75 2.80 2.85 2.90



#12

1,1-Dichloroethene

Concen: 18.788 ug/l

RT: 2.29 min Scan# 346

Delta R.T. 0.00 min

Lab File: VU027257.D

Acq: 28 Sep 2018 09:39

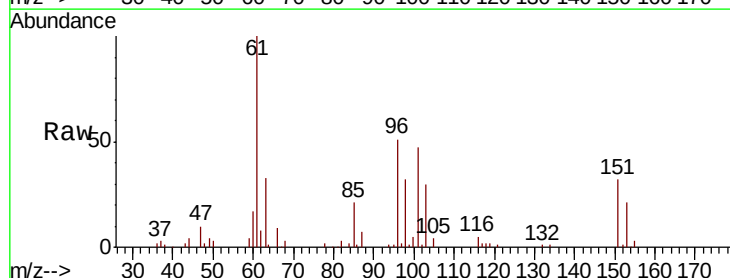
Tgt Ion: 96 Resp: 21617

Ion Ratio Lower Upper

96 100

61 196.7 156.1 234.1

98 62.8 51.4 77.0



Abundance Ion 95.90 (95.60 to 96.60): VU027257.D (-252) (-)

Ion 60.90 (60.60 to 61.60): VU027257.D (-252) (-)

Ion 97.90 (97.60 to 98.60): VU027257.D (-252) (-)

2.29

30000

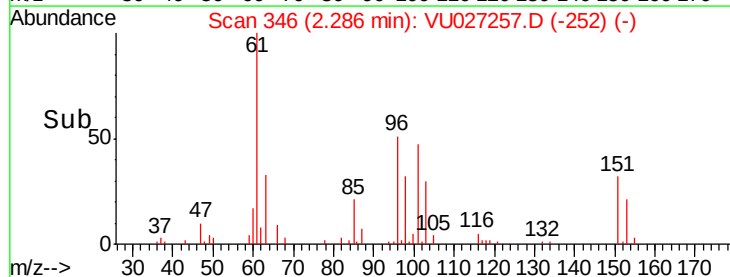
20000

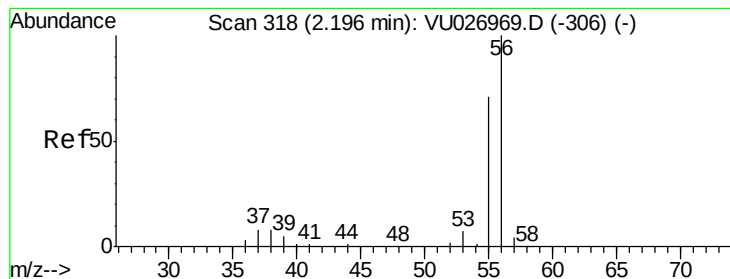
10000

0

Time-->

2.25 2.30 2.35





#13

Acrolein

Concen: 53.870 ug/l

RT: 2.19 min Scan# 317

Delta R.T. -0.00 min

Lab File: VU027257.D

Acq: 28 Sep 2018 09:39

Instrument :

MSVOA_U

ClientSampleId :

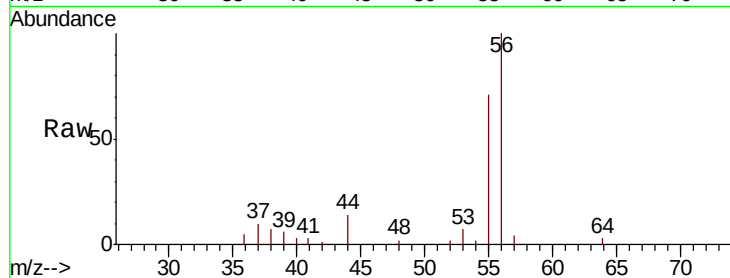
VU0928WBS02

Tot Ion: 56 Resp: 11160

Ion Ratio Lower Upper

56 100

55 73.2 57.1 85.7



Abundance Ion 56.00 (55.70 to 56.70): VU0

Ion 55.00 (54.70 to 55.70): VU0

2.19

8000

6000

4000

2000

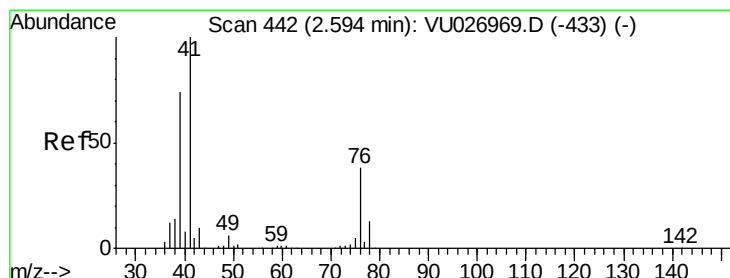
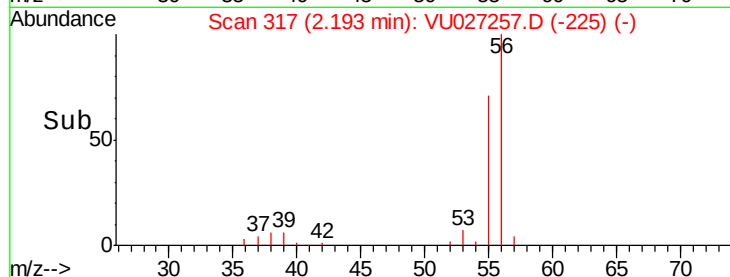
0

Time-->

2.15

2.20

2.25



#14

Allyl chloride

Concen: 22.670 ug/l

RT: 2.59 min Scan# 441

Delta R.T. -0.00 min

Lab File: VU027257.D

Acq: 28 Sep 2018 09:39

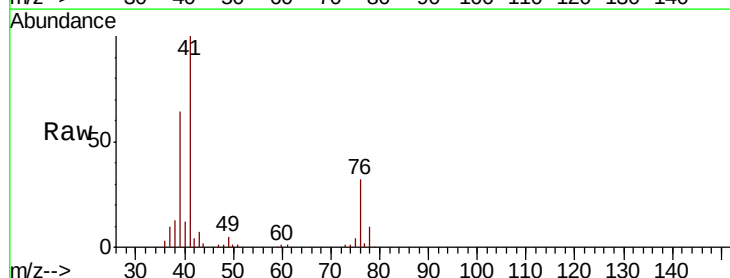
Tgt Ion: 41 Resp: 52904

Ion Ratio Lower Upper

41 100

39 64.3 55.7 83.5

76 32.0 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

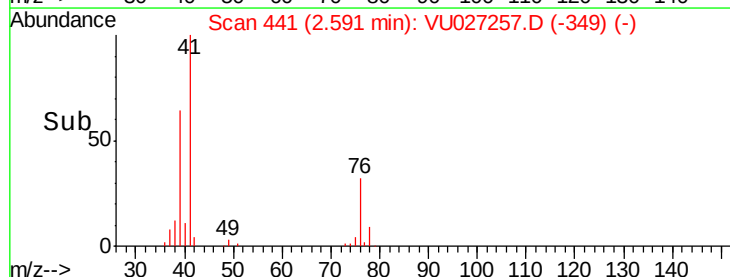
0

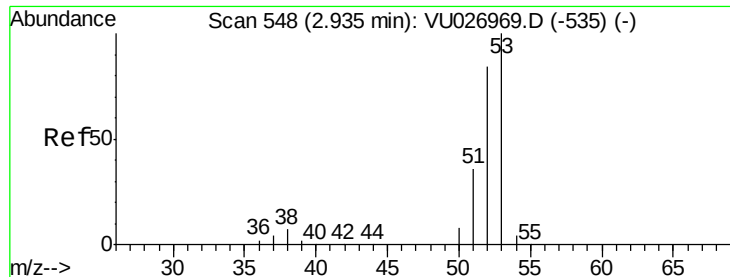
Time-->

2.55

2.60

2.65





#15

Acrylonitrile

Concen: 103.233 ug/l

RT: 2.94 min Scan# 548

Delta R.T. 0.00 min

Lab File: VU027257.D

Acq: 28 Sep 2018 09:39

Instrument :

MSVOA_U

ClientSampleId :

VU0928WBS02

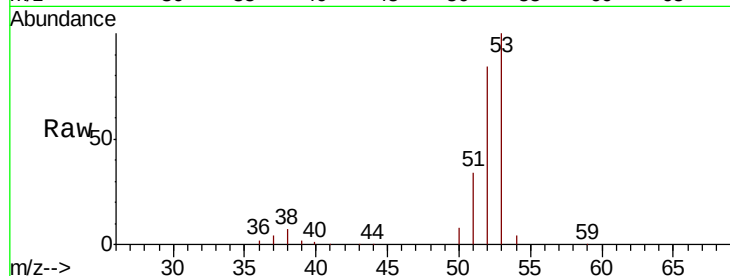
Tot Ion: 53 Resp: 99990

Ion Ratio Lower Upper

53 100

52 83.2 65.7 98.5

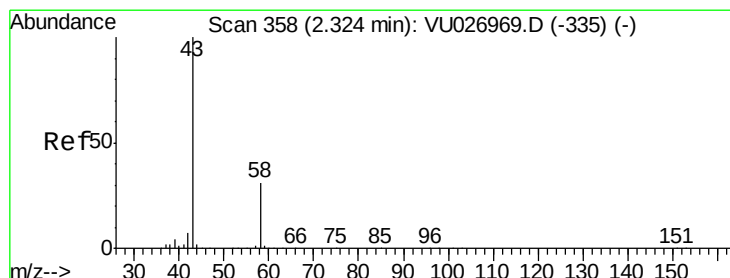
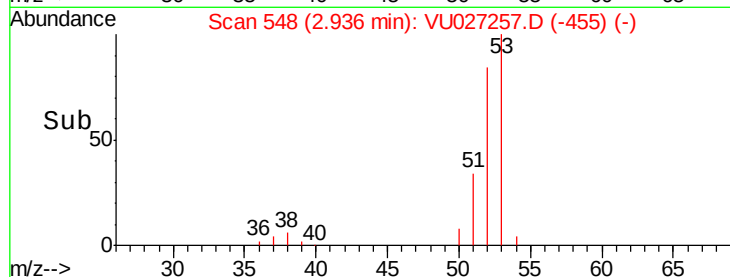
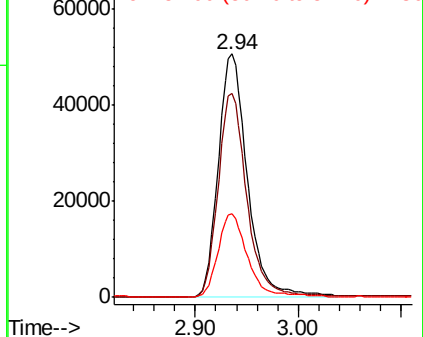
51 34.3 27.4 41.2



Abundance Ion 53.00 (52.70 to 53.70): VU0

Ion 52.00 (51.70 to 52.70): VU0

Ion 51.00 (50.70 to 51.70): VU0



#16

Acetone

Concen: 107.468 ug/l

RT: 2.32 min Scan# 357

Delta R.T. -0.00 min

Lab File: VU027257.D

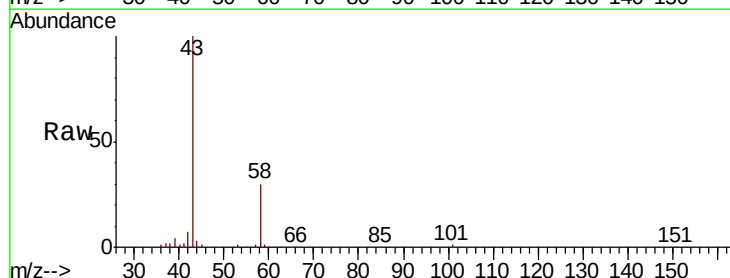
Acq: 28 Sep 2018 09:39

Tgt Ion: 43 Resp: 104137

Ion Ratio Lower Upper

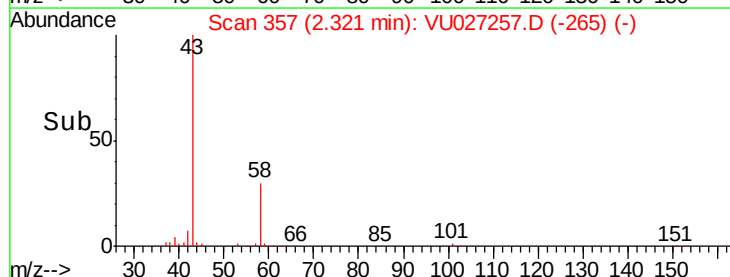
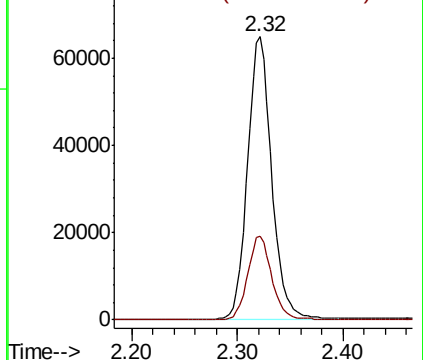
43 100

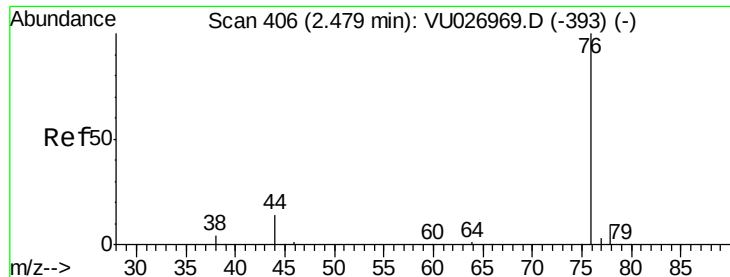
58 29.8 24.6 36.8



Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 58.00 (57.70 to 58.70): VU0

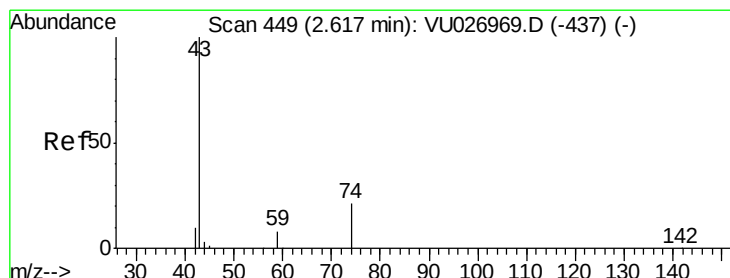
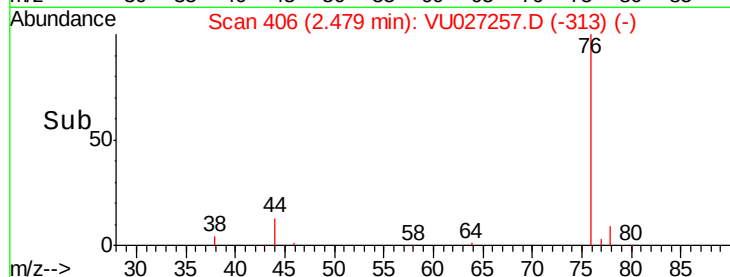
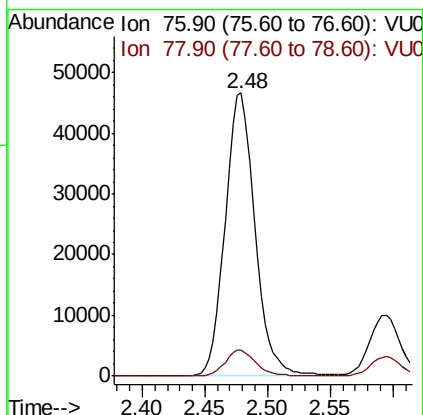
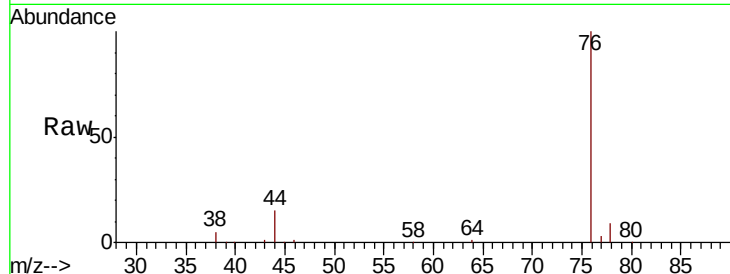




#17
Carbon Disulfide
Concen: 20.589 ug/l
RT: 2.48 min Scan# 406
Delta R.T. 0.00 min
Lab File: VU027257.D
Acq: 28 Sep 2018 09:39

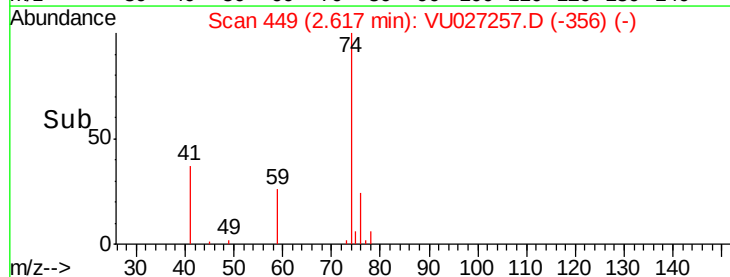
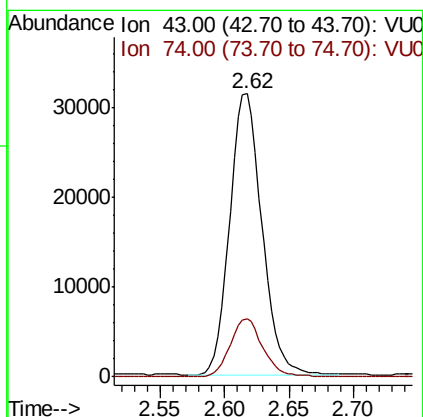
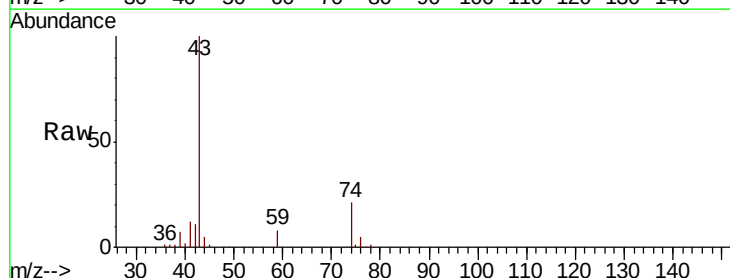
Instrument :
MSVOA_U
ClientSampleId :
VU0928WBS02

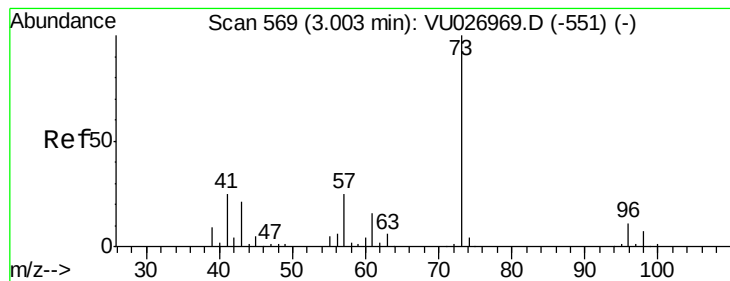
Tot Ion: 76 Resp: 77172
Ion Ratio Lower Upper
76 100
78 9.1 7.1 10.7



#18
Methyl Acetate
Concen: 23.073 ug/l
RT: 2.62 min Scan# 449
Delta R.T. 0.00 min
Lab File: VU027257.D
Acq: 28 Sep 2018 09:39

Tgt Ion: 43 Resp: 55063
Ion Ratio Lower Upper
43 100
74 20.8 16.6 25.0



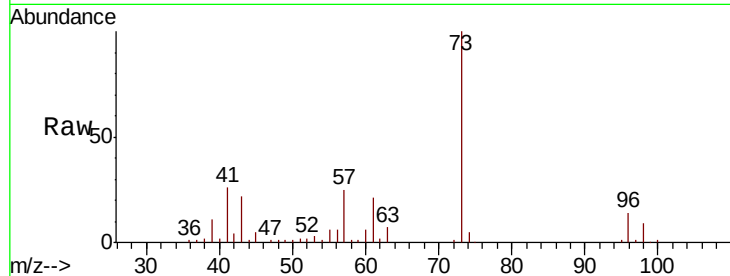


#19

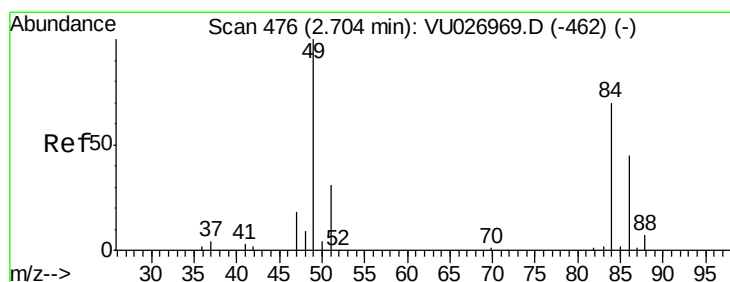
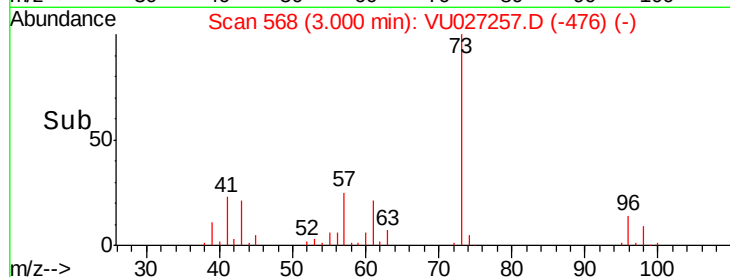
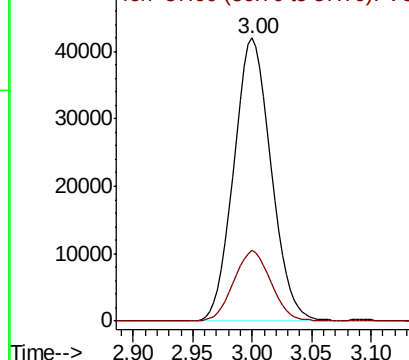
Methvl tert-butyl Ether
 Concen: 21.577 ug/l
 RT: 3.00 min Scan# 568
 Delta R.T. -0.00 min
 Lab File: VU027257.D
 Acq: 28 Sep 2018 09:39

Instrument :
 MSVOA_U
 ClientSampleId :
 VU0928WBS02

Tot Ion: 73 Resp: 91228
 Ion Ratio Lower Upper
 73 100
 57 24.9 19.8 29.6



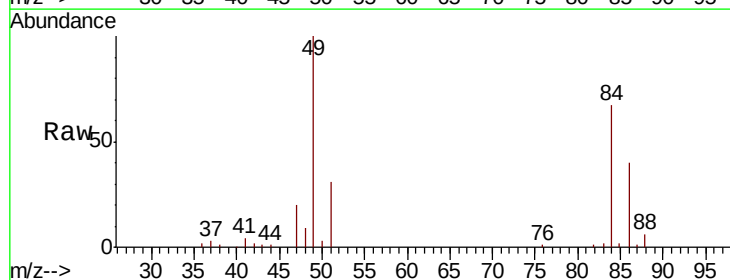
Abundance Ion 73.00 (72.70 to 73.70): VU0
 Ion 57.00 (56.70 to 57.70): VU0



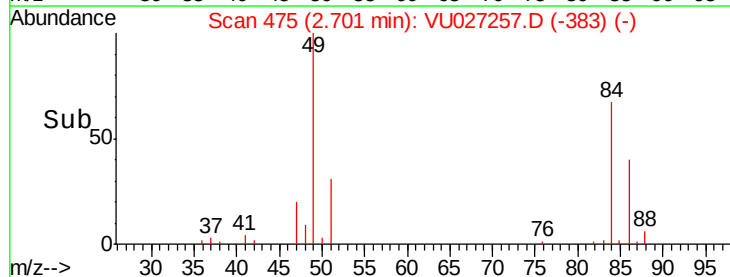
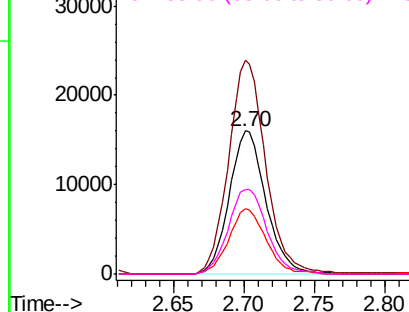
#20

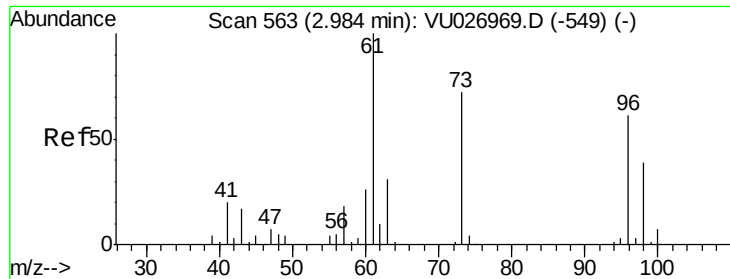
Methylene Chloride
 Concen: 19.351 ug/l
 RT: 2.70 min Scan# 475
 Delta R.T. -0.00 min
 Lab File: VU027257.D
 Acq: 28 Sep 2018 09:39

Tgt Ion: 84 Resp: 29057
 Ion Ratio Lower Upper
 84 100
 49 149.1 114.9 172.3
 51 45.7 35.8 53.8
 86 59.4 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: 21.024 ug/l

RT: 2.98 min Scan# 563

Delta R.T. 0.00 min

Lab File: VU027257.D

Acq: 28 Sep 2018 09:39

Instrument :

MSVOA_U

ClientSampleId :

VU0928WBS02

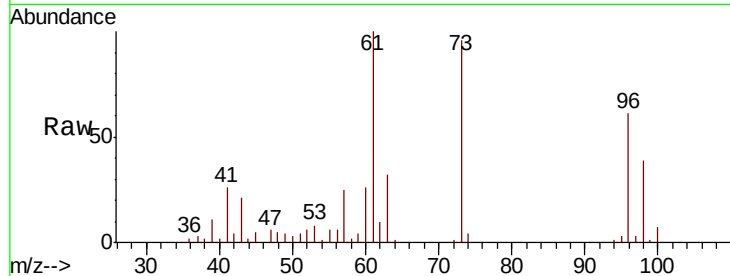
Tot Ion: 96 Resp: 25826

Ion Ratio Lower Upper

96 100

61 162.9 131.8 197.6

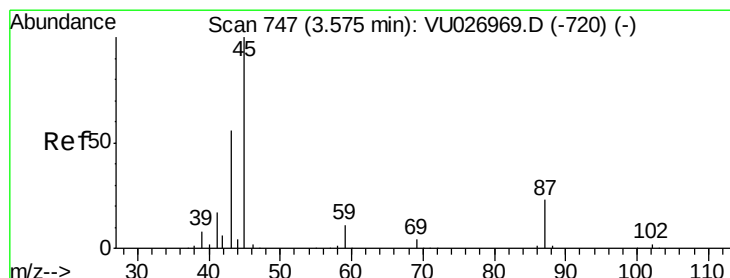
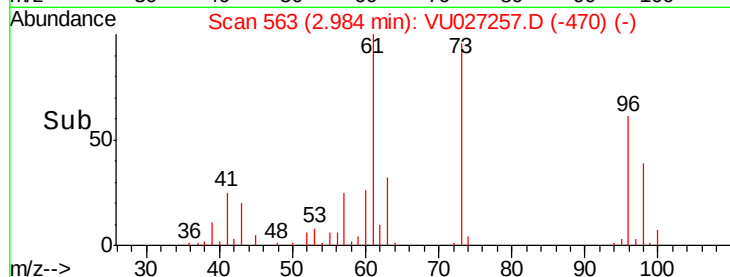
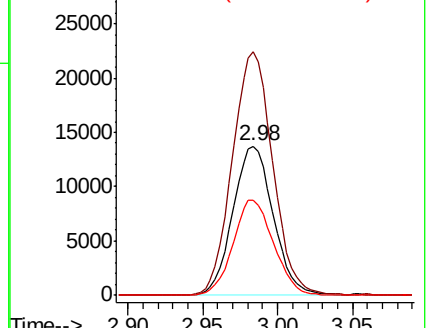
98 63.4 50.9 76.3



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: 22.842 ug/l

RT: 3.57 min Scan# 746

Delta R.T. -0.00 min

Lab File: VU027257.D

Acq: 28 Sep 2018 09:39

Tgt Ion: 45 Resp: 114015

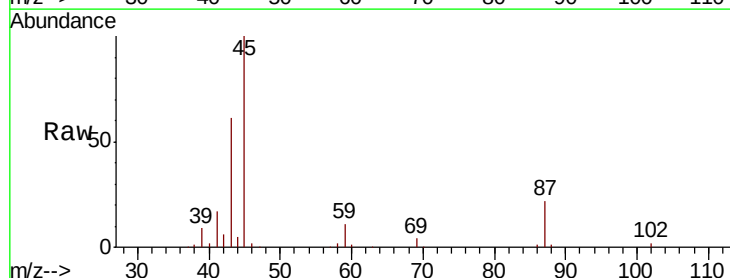
Ion Ratio Lower Upper

45 100

43 57.9 45.8 68.6

87 21.7 18.6 28.0

59 11.4 9.0 13.4

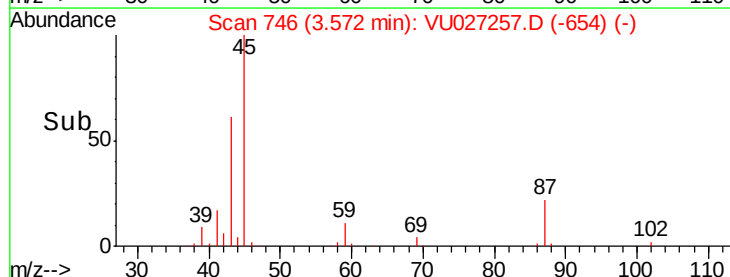
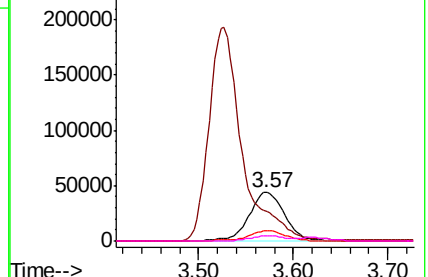


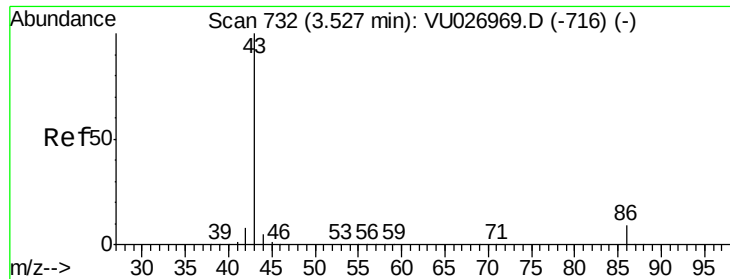
Abundance Ion 45.00 (44.70 to 45.70): VU0

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: 111.668 ug/l

RT: 3.53 min Scan# 732

Delta R.T. 0.00 min

Lab File: VU027257.D

Acq: 28 Sep 2018 09:39

Instrument :

MSVOA_U

ClientSampleId :

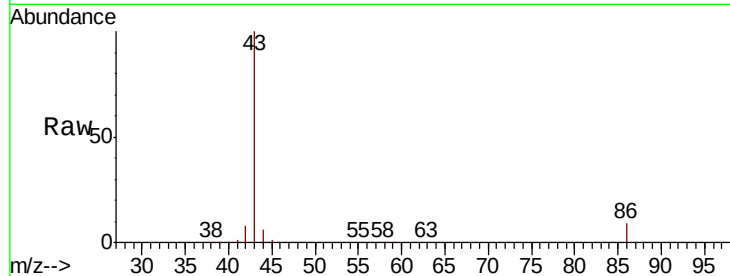
VU0928WBS02

Tot Ion: 43 Resp: 475125

Ion Ratio Lower Upper

43 100

86 8.9 7.2 10.8



Abundance Ion 43.00 (42.70 to 43.70): VU027257.D (-639) (-)

Ion 86.00 (85.70 to 86.70): VU027257.D (-639) (-)

3.53

200000

150000

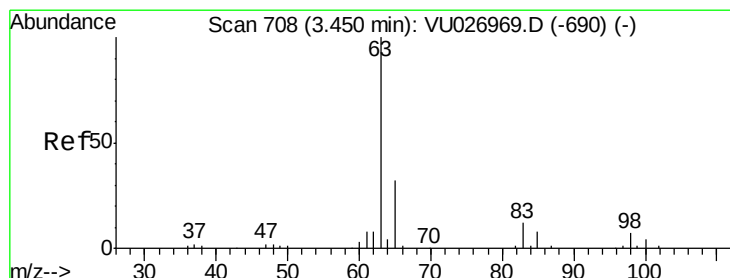
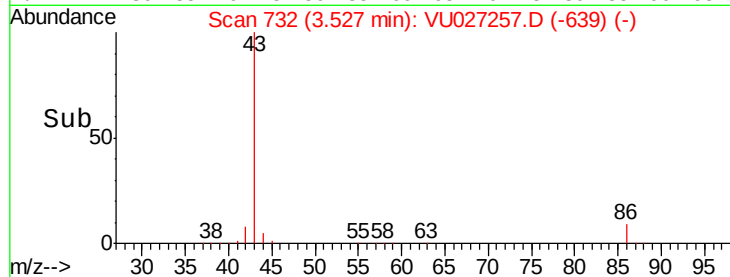
100000

50000

0

3.40 3.50 3.60 3.70

Time-->



#24

1,1-Dichloroethane

Concen: 21.421 ug/l

RT: 3.45 min Scan# 707

Delta R.T. -0.00 min

Lab File: VU027257.D

Acq: 28 Sep 2018 09:39

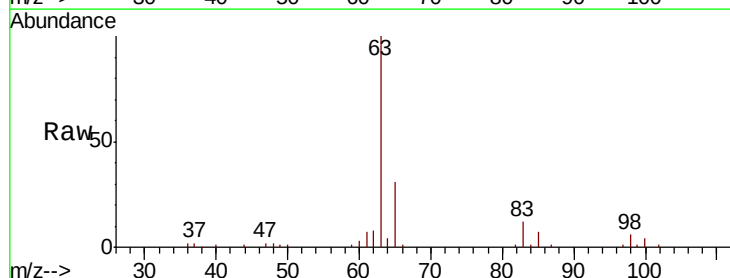
Tgt Ion: 63 Resp: 58888

Ion Ratio Lower Upper

63 100

98 6.1 3.3 9.8

100 3.6 2.0 5.8



Abundance Ion 62.90 (62.60 to 63.60): VU027257.D (-615) (-)

Ion 97.90 (97.60 to 98.60): VU027257.D (-615) (-)

Ion 99.90 (99.60 to 100.60): VU027257.D (-615) (-)

3.45

30000

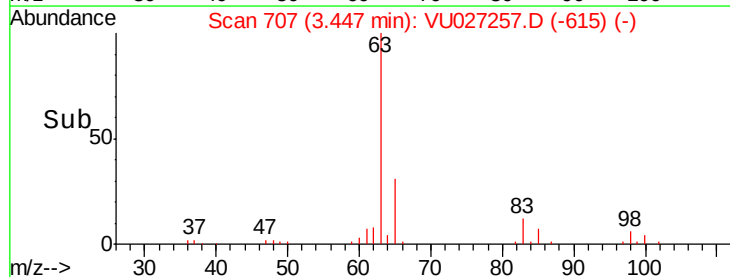
20000

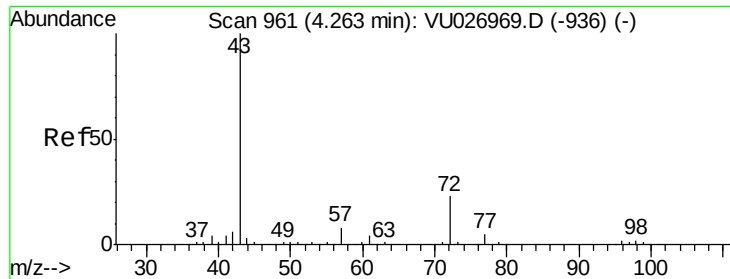
10000

0

3.40 3.50

Time-->





#25

2-Butanone

Concen: 105.412 ug/l

RT: 4.26 min Scan# 961

Delta R.T. 0.00 min

Lab File: VU027257.D

Acq: 28 Sep 2018 09:39

Instrument :

MSVOA_U

ClientSampleId :

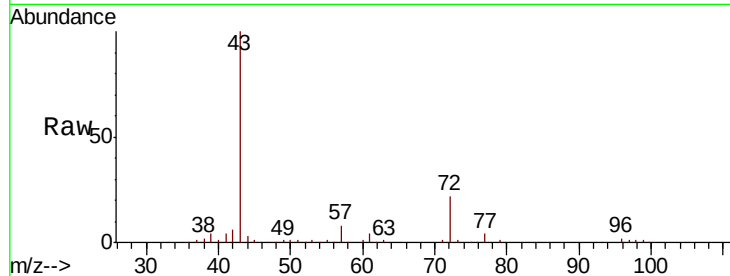
VU0928WBS02

Tot Ion: 43 Resp: 148530

Ion Ratio Lower Upper

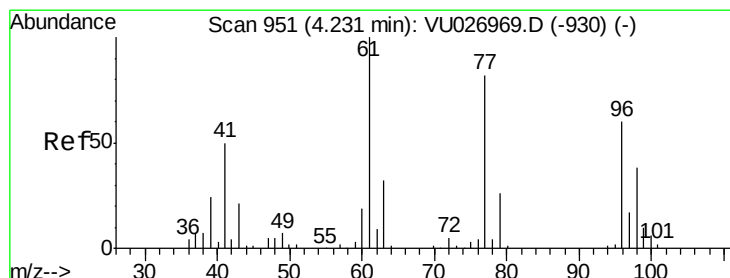
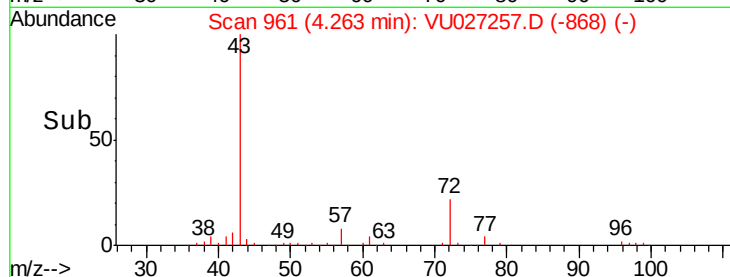
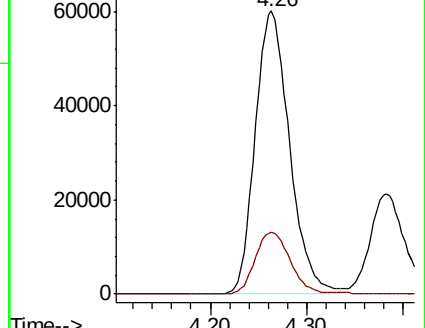
43 100

72 21.8 18.4 27.6



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

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



#26

2,2-Dichloropropane

Concen: 21.831 ug/l

RT: 4.23 min Scan# 950

Delta R.T. -0.00 min

Lab File: VU027257.D

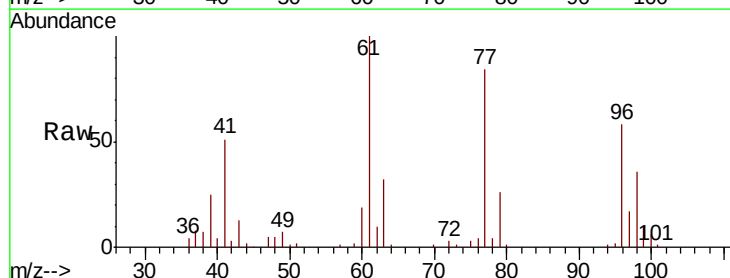
Acq: 28 Sep 2018 09:39

Tgt Ion: 77 Resp: 46804

Ion Ratio Lower Upper

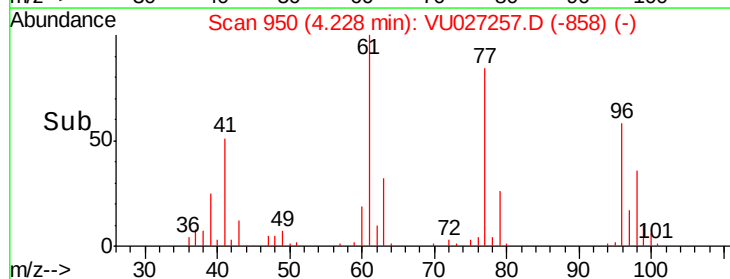
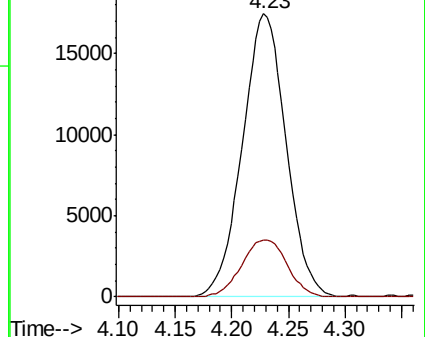
77 100

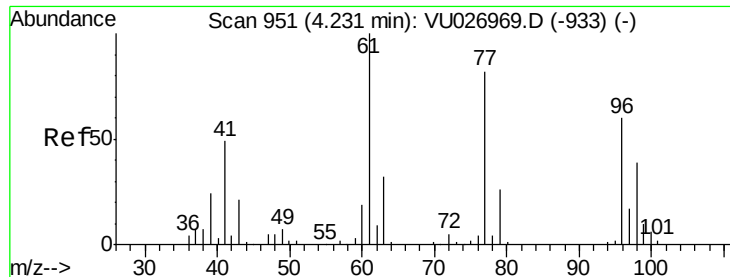
97 21.0 10.5 31.5



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

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



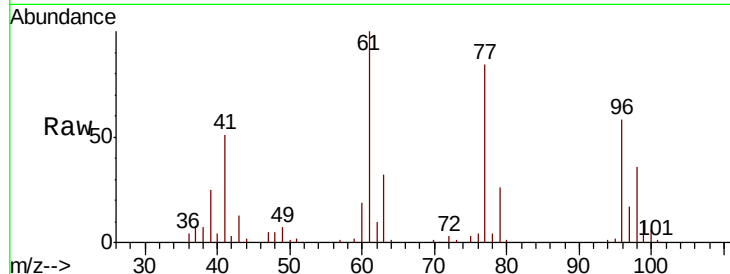


#27

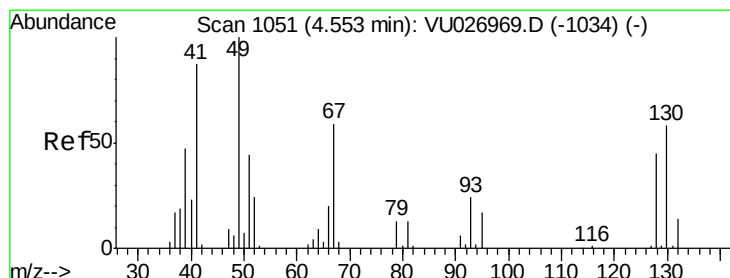
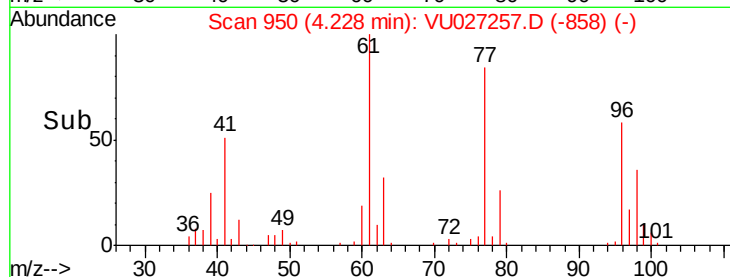
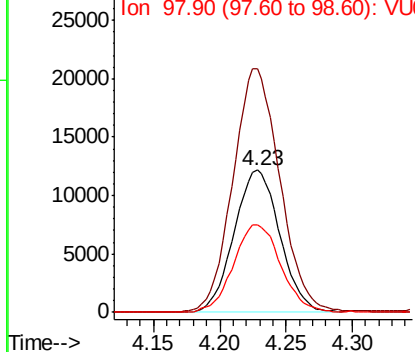
cis-1,2-Dichloroethene
Concen: 21.015 ug/l
RT: 4.23 min Scan# 950
Delta R.T. -0.00 min
Lab File: VU027257.D
Acq: 28 Sep 2018 09:39

Instrument :
MSVOA_U
ClientSampleId :
VU0928WBS02

Tot Ion: 96 Resp: 29154
Ion Ratio Lower Upper
96 100
61 176.4 0.0 337.2
98 63.5 0.0 127.6



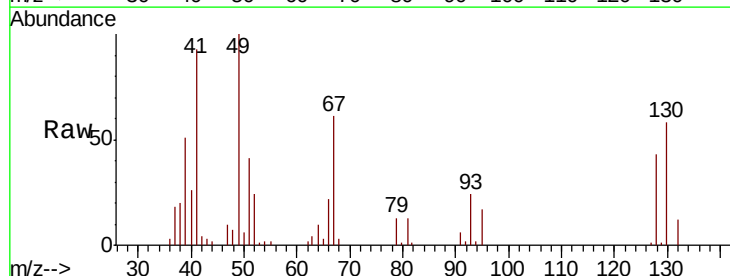
Abundance Ion 95.90 (95.60 to 96.60): VU0
Ion 60.90 (60.60 to 61.60): VU0
Ion 97.90 (97.60 to 98.60): VU0



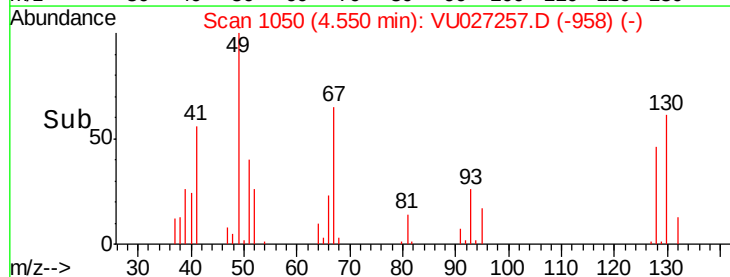
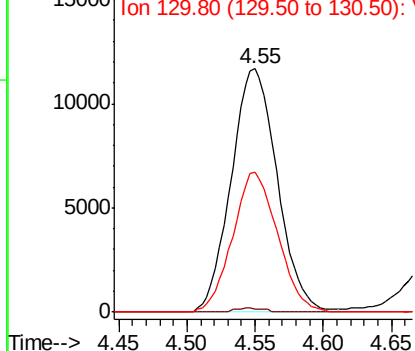
#28

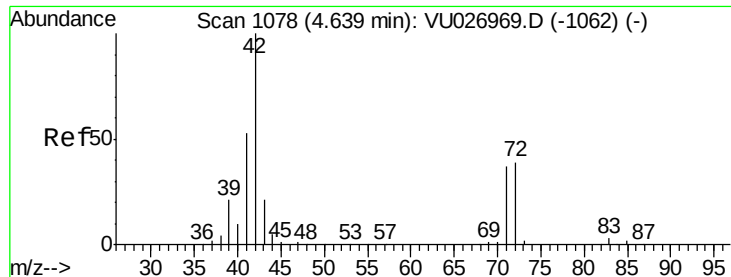
Bromochloromethane
Concen: 20.731 ug/l
RT: 4.55 min Scan# 1050
Delta R.T. -0.00 min
Lab File: VU027257.D
Acq: 28 Sep 2018 09:39

Tgt Ion: 49 Resp: 27472
Ion Ratio Lower Upper
49 100
129 1.0 0.0 3.0
130 55.8 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: 106.582 ug/l

RT: 4.64 min Scan# 1078

Delta R.T. 0.00 min

Lab File: VU027257.D

Acq: 28 Sep 2018 09:39

Instrument :

MSVOA_U

ClientSampleId :

VU0928WBS02

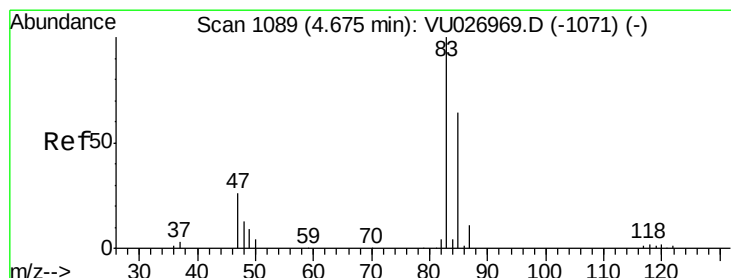
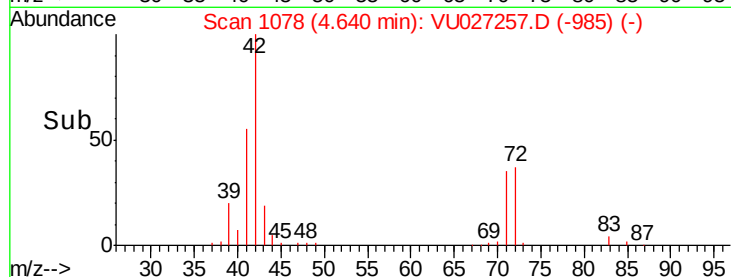
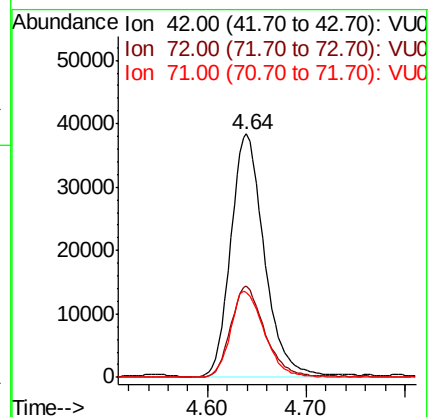
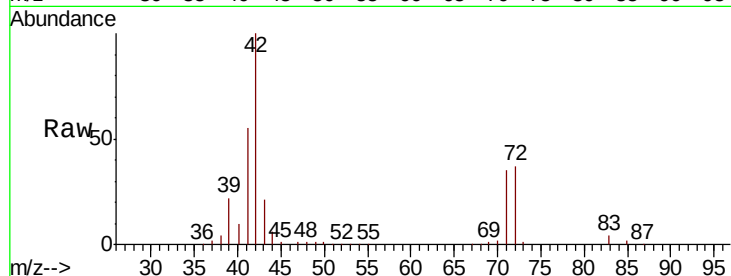
Tot Ion: 42 Resp: 90848

Ion Ratio Lower Upper

42 100

72 38.2 31.7 47.5

71 35.7 29.6 44.4



#30

Chloroform

Concen: 20.800 ug/l

RT: 4.67 min Scan# 1089

Delta R.T. 0.00 min

Lab File: VU027257.D

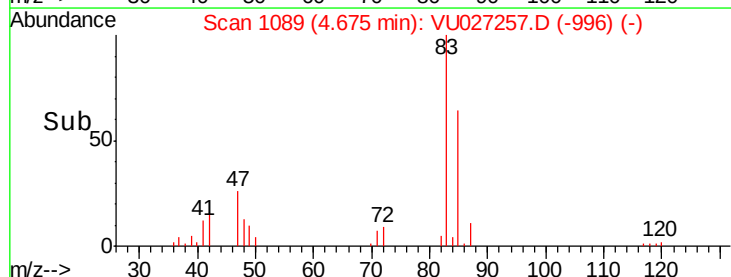
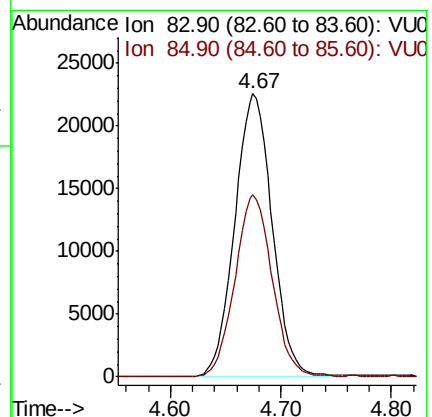
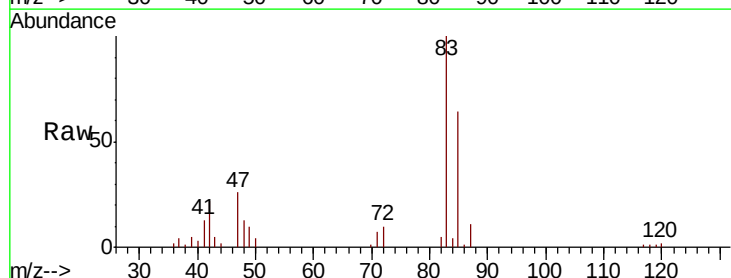
Acq: 28 Sep 2018 09:39

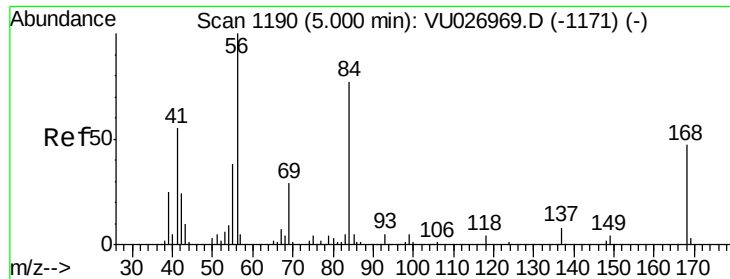
Tgt Ion: 83 Resp: 53077

Ion Ratio Lower Upper

83 100

85 64.3 51.5 77.3

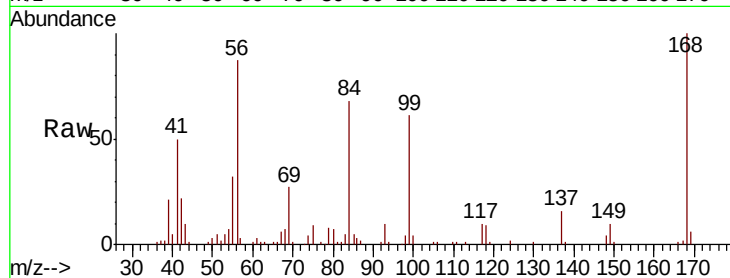




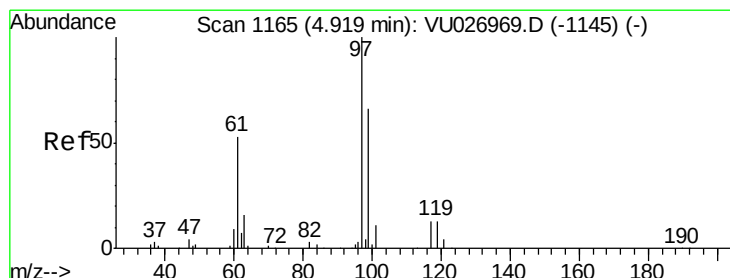
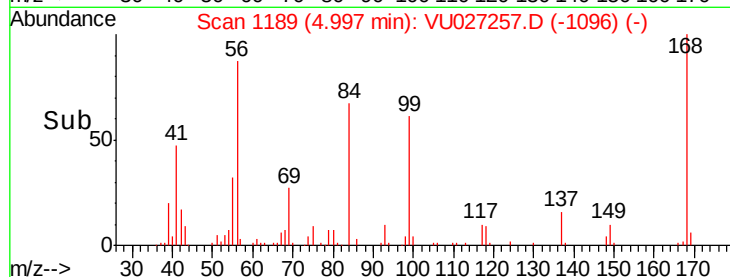
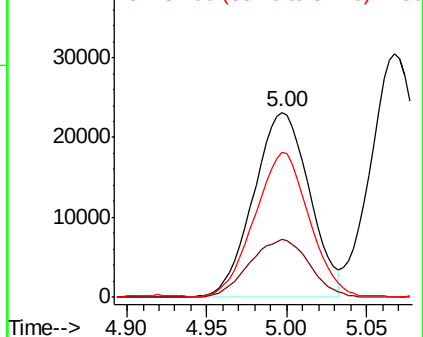
#31
Cyclohexane
Concen: 22.118 ug/l
RT: 5.00 min Scan# 1189
Delta R.T. -0.00 min
Lab File: VU027257.D
Acq: 28 Sep 2018 09:39

Instrument :
MSVOA_U
ClientSampleId :
VU0928WBS02

Tot Ion: 56 Resp: 56074
Ion Ratio Lower Upper
56 100
69 31.2 23.0 34.4
84 77.9 61.4 92.2

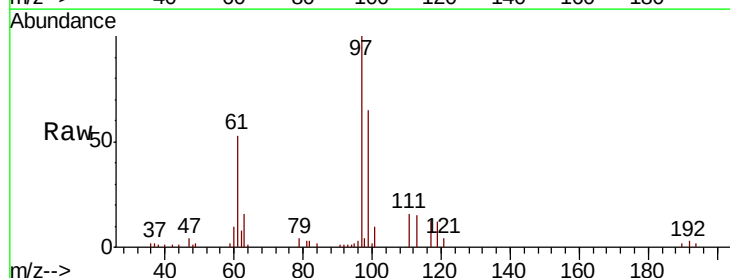


Abundance Ion 56.00 (55.70 to 56.70): VU0
Ion 69.00 (68.70 to 69.70): VU0
Ion 84.00 (83.70 to 84.70): VU0

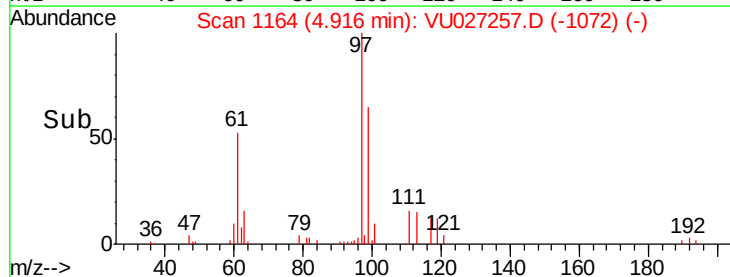
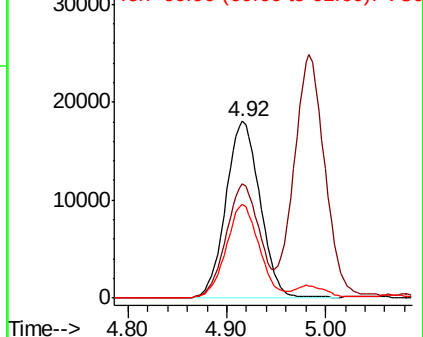


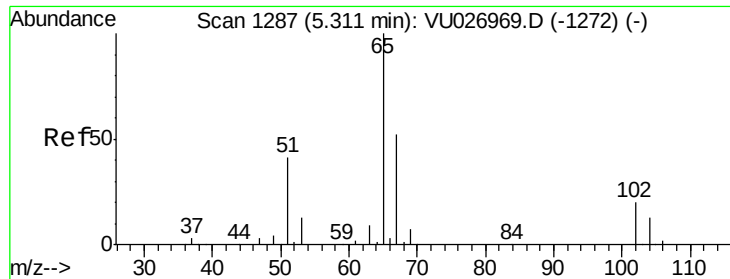
#32
1,1,1-Trichloroethane
Concen: 21.403 ug/l
RT: 4.92 min Scan# 1164
Delta R.T. -0.00 min
Lab File: VU027257.D
Acq: 28 Sep 2018 09:39

Tgt Ion: 97 Resp: 43606
Ion Ratio Lower Upper
97 100
99 63.7 51.8 77.6
61 51.6 41.1 61.7



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

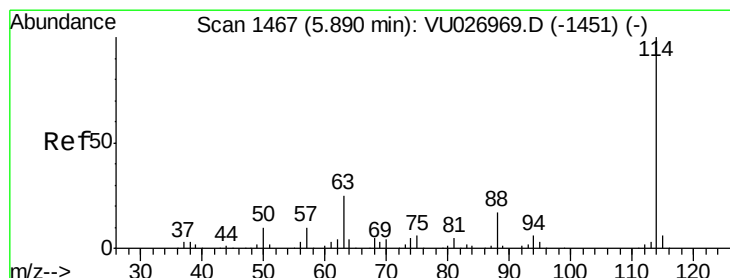
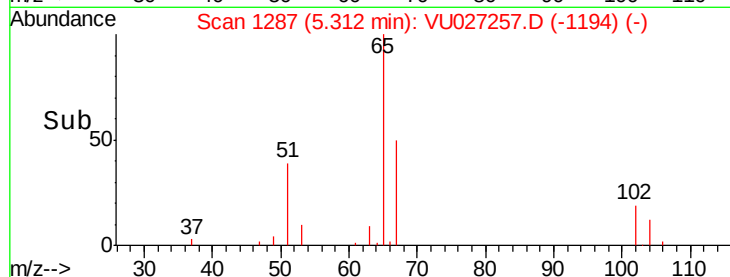
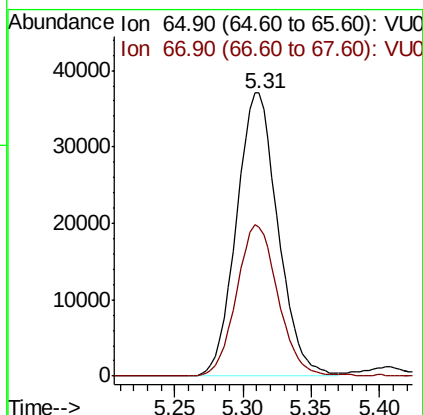
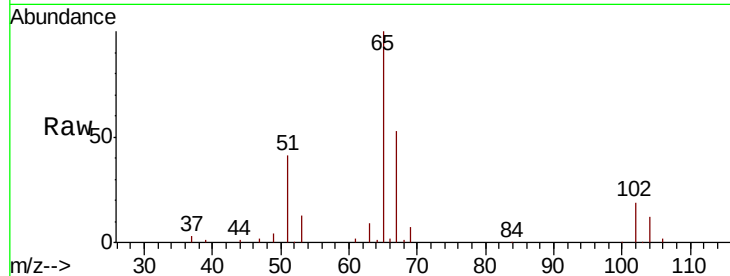




#33
 1,2-Dichloroethane-d4
 Concen: 46.648 ug/l
 RT: 5.31 min Scan# 1287
 Delta R.T. 0.00 min
 Lab File: VU027257.D
 Acq: 28 Sep 2018 09:39

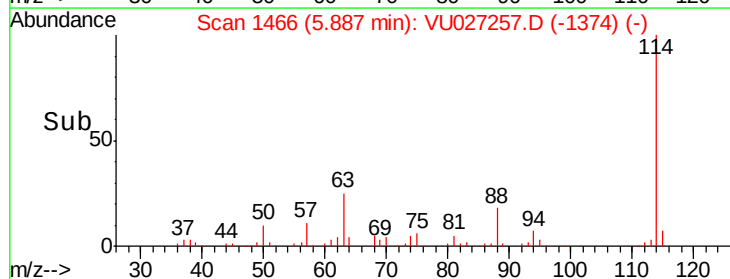
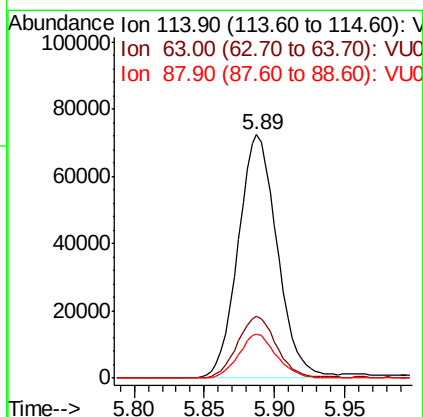
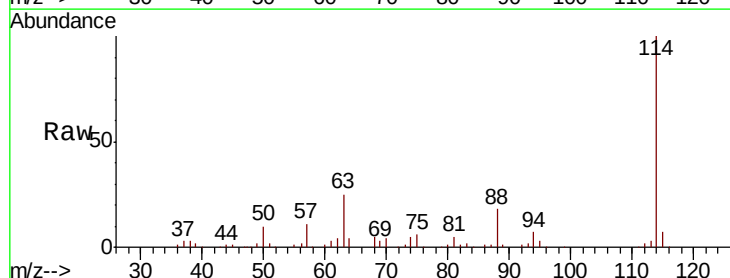
Instrument :
 MSVOA_U
 ClientSampleId :
 VU0928WBS02

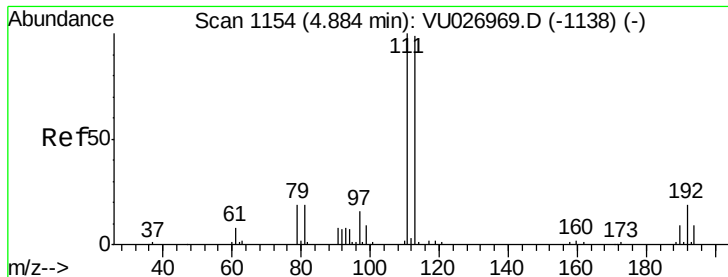
Tot Ion: 65 Resp: 78213
 Ion Ratio Lower Upper
 65 100
 67 53.5 0.0 105.6



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 5.89 min Scan# 1466
 Delta R.T. -0.00 min
 Lab File: VU027257.D
 Acq: 28 Sep 2018 09:39

Tgt Ion: 114 Resp: 140916
 Ion Ratio Lower Upper
 114 100
 63 25.2 0.0 49.2
 88 18.2 0.0 33.8

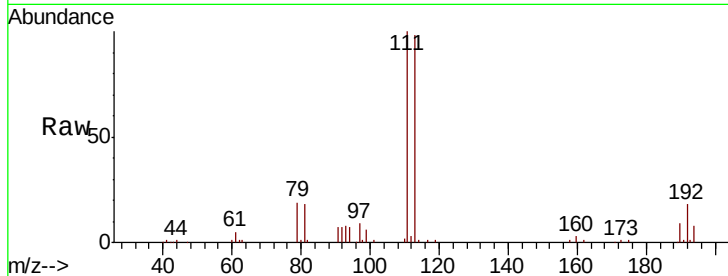




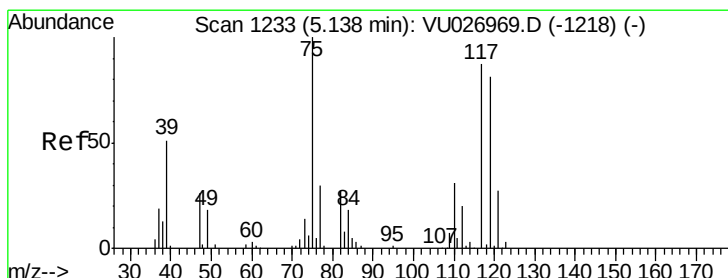
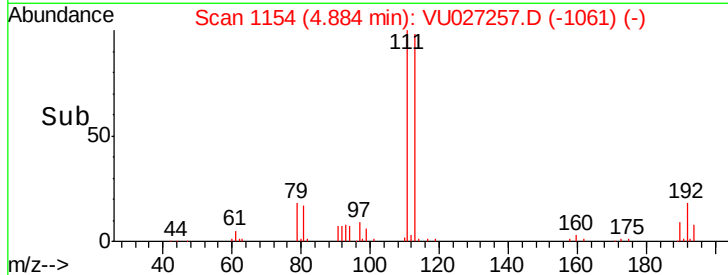
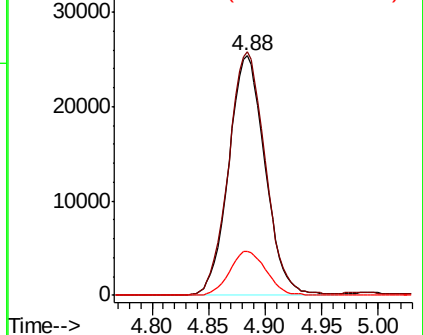
#35
 Dibromofluoromethane
 Concen: 46.571 ug/l
 RT: 4.88 min Scan# 1154
 Delta R.T. 0.00 min
 Lab File: VU027257.D
 Acq: 28 Sep 2018 09:39

Instrument :
 MSVOA_U
 ClientSampleId :
 VU0928WBS02

Tot Ion	Ratio	Lower	Upper
113	100		
111	102.5	82.2	123.4
192	18.4	15.2	22.8

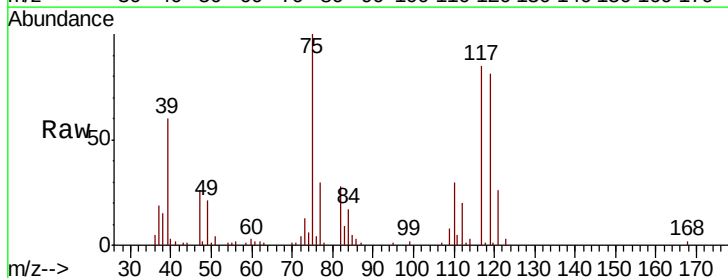


Abundance Ion 112.80 (112.50 to 113.50): V
 Ion 110.80 (110.50 to 111.50): V
 Ion 191.70 (191.40 to 192.40): V

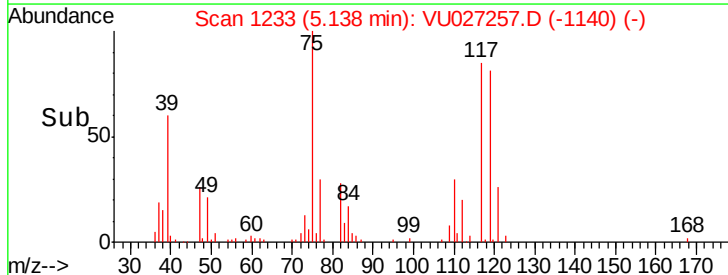
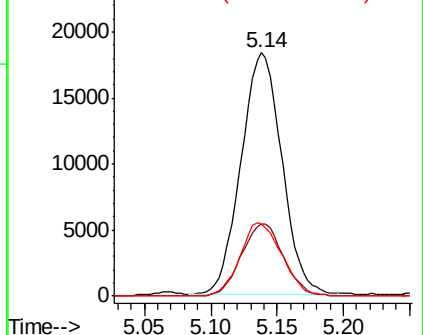


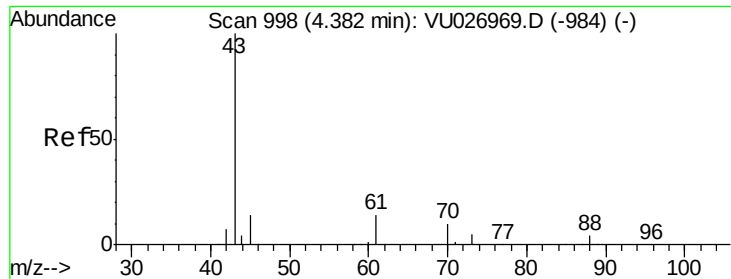
#36
 1,1-Dichloropropene
 Concen: 20.820 ug/l
 RT: 5.14 min Scan# 1233
 Delta R.T. 0.00 min
 Lab File: VU027257.D
 Acq: 28 Sep 2018 09:39

Tgt Ion	Ratio	Lower	Upper
75	100		
110	30.8	16.1	48.2
77	31.4	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

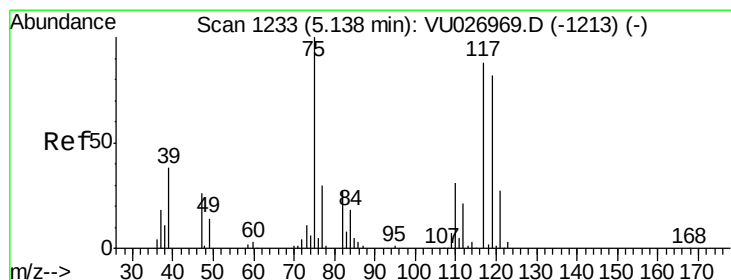
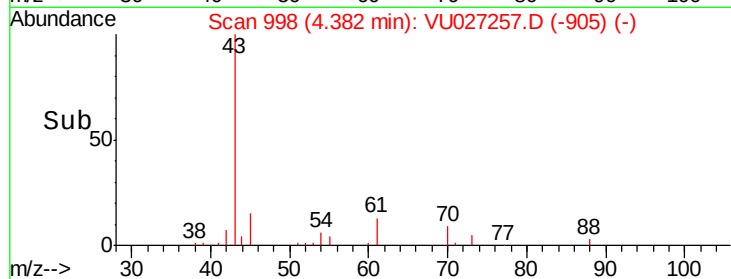
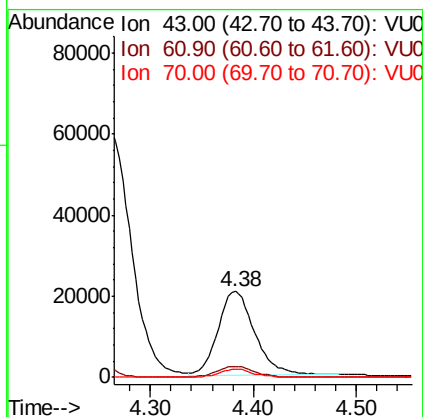
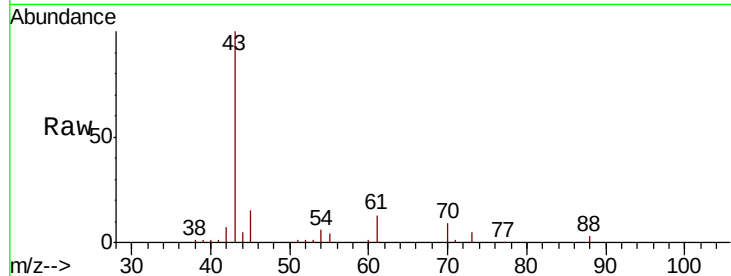




#37
Ethyl Acetate
Concen: 20.535 ug/l
RT: 4.38 min Scan# 998
Delta R.T. 0.00 min
Lab File: VU027257.D
Acq: 28 Sep 2018 09:39

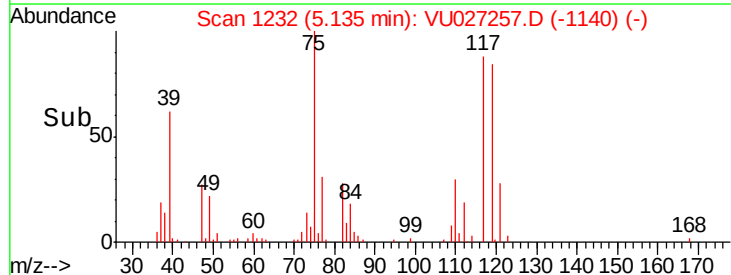
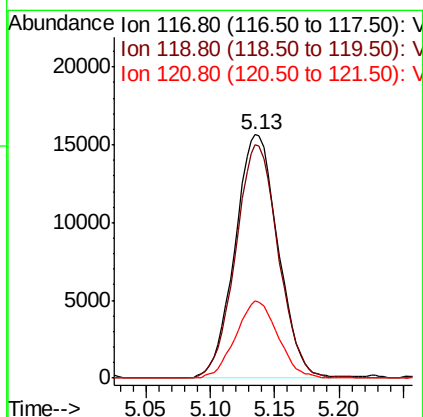
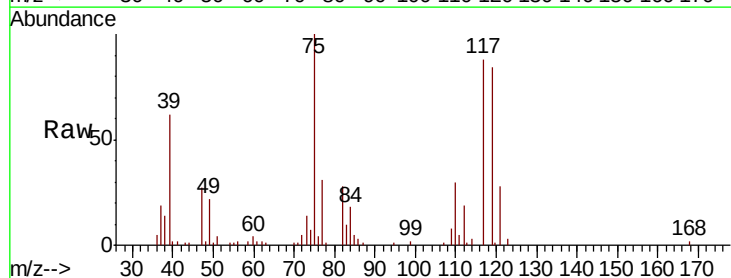
Instrument :
MSVOA_U
ClientSampleId :
VU0928WBS02

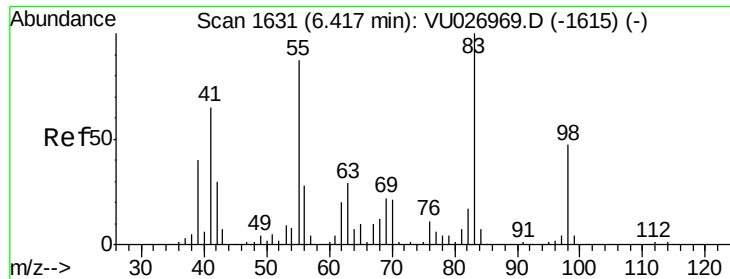
Tot Ion: 43 Resp: 52281
Ion Ratio Lower Upper
43 100
61 12.1 10.5 15.7
70 8.6 7.4 11.0



#38
Carbon Tetrachloride
Concen: 20.352 ug/l
RT: 5.13 min Scan# 1232
Delta R.T. -0.00 min
Lab File: VU027257.D
Acq: 28 Sep 2018 09:39

Tgt Ion: 117 Resp: 36424
Ion Ratio Lower Upper
117 100
119 95.9 74.4 111.6
121 31.5 24.2 36.4

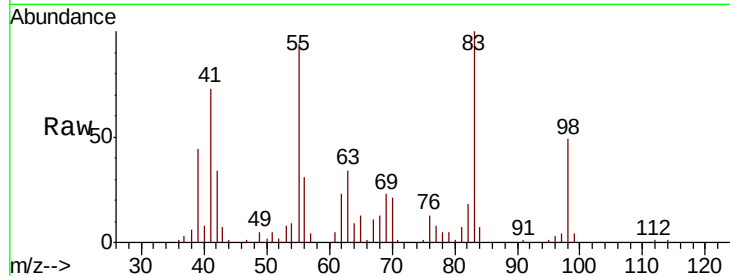




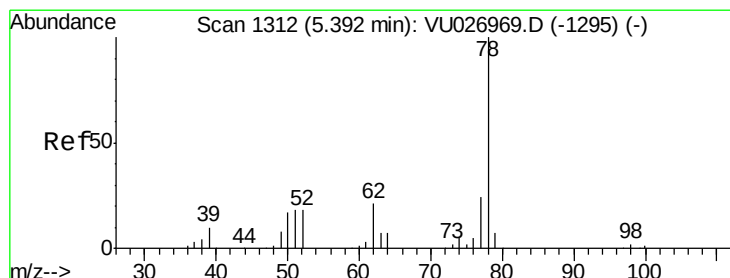
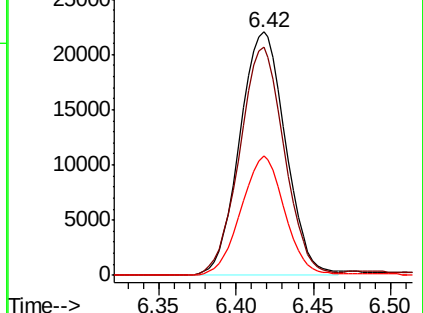
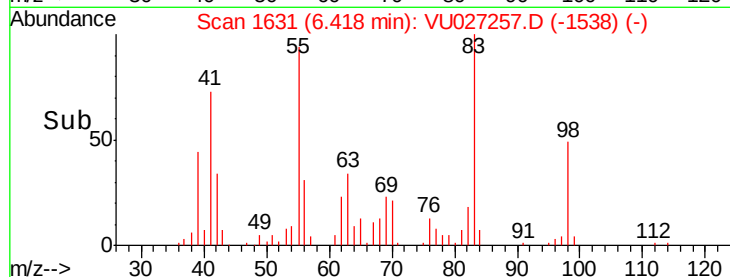
#39
Methylvlcyclohexane
Concen: 22.217 ug/l
RT: 6.42 min Scan# 1631
Delta R.T. 0.00 min
Lab File: VU027257.D
Acq: 28 Sep 2018 09:39

Instrument :
MSVOA_U
ClientSampleId :
VU0928WBS02

Tot Ion: 83 Resp: 45407
Ion Ratio Lower Upper
83 100
55 93.5 69.9 104.9
98 48.9 37.5 56.3

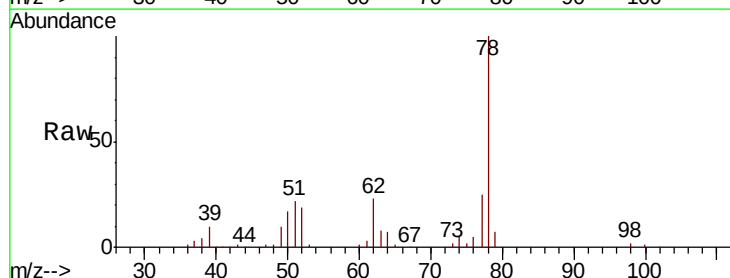


Abundance Ion 83.00 (82.70 to 83.70): VU0
Ion 55.00 (54.70 to 55.70): VU0
Ion 98.00 (97.70 to 98.70): VU0

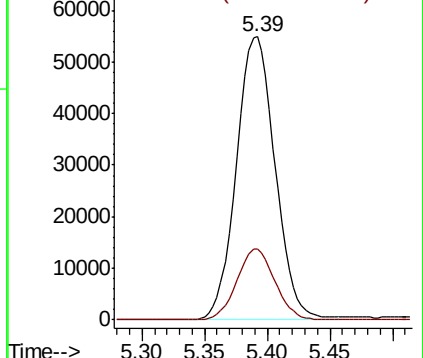
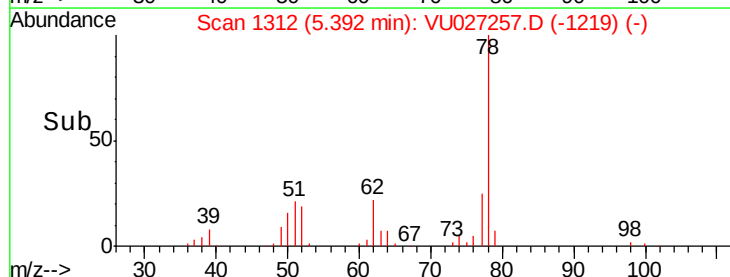


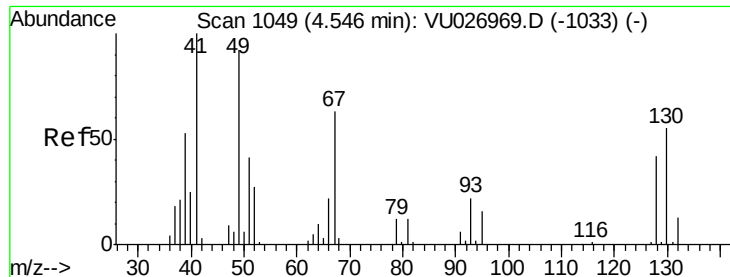
#40
Benzene
Concen: 20.591 ug/l
RT: 5.39 min Scan# 1312
Delta R.T. 0.00 min
Lab File: VU027257.D
Acq: 28 Sep 2018 09:39

Tgt Ion: 78 Resp: 117723
Ion Ratio Lower Upper
78 100
77 25.2 19.4 29.0



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

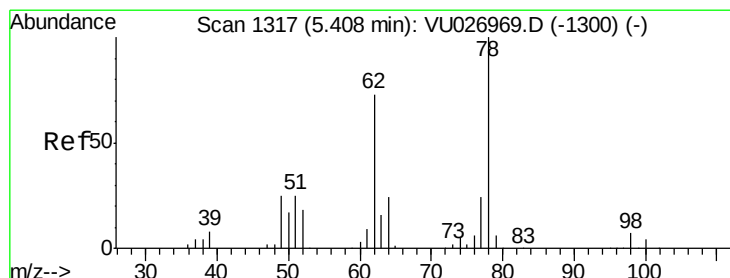
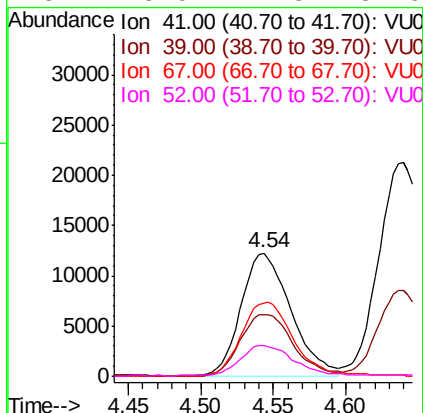
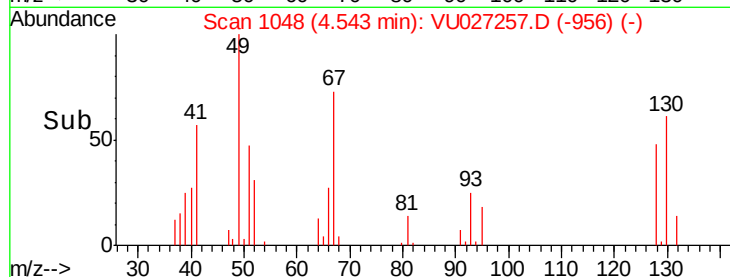
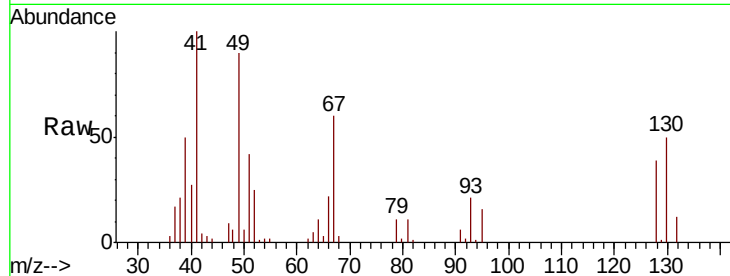




#41
Methacrylonitrile
Concen: 22.303 ug/l
RT: 4.54 min Scan# 1048
Delta R.T. -0.00 min
Lab File: VU027257.D
Acq: 28 Sep 2018 09:39

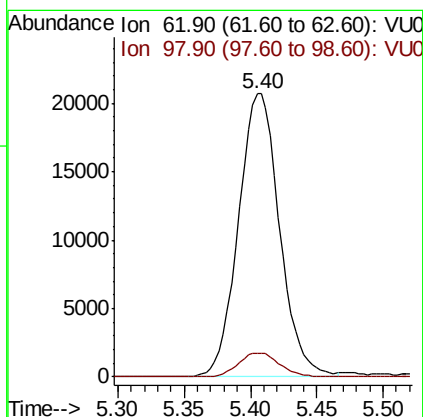
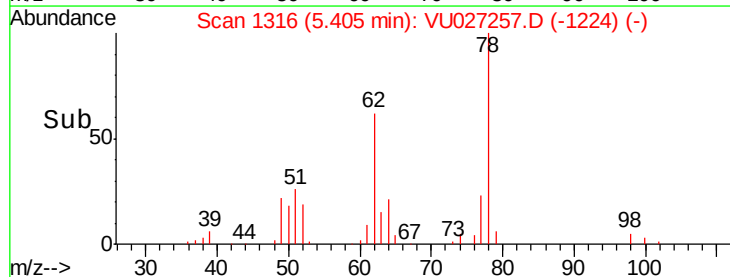
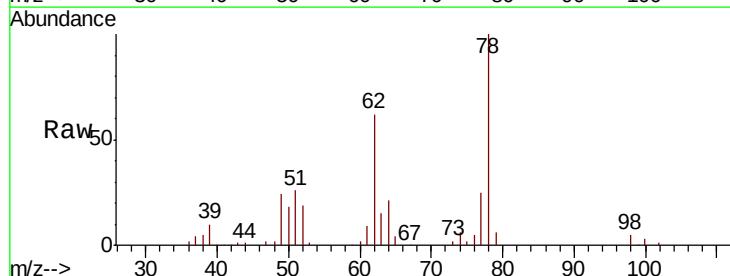
Instrument :
MSVOA_U
ClientSampleId :
VU0928WBS02

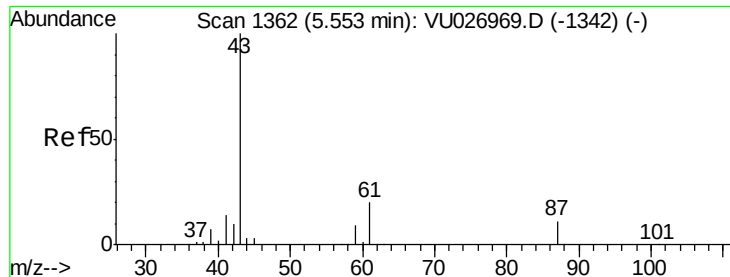
Tot Ion: 41 Resp: 29489
Ion Ratio Lower Upper
41 100
39 53.2 42.9 64.3
67 62.4 52.4 78.6
52 25.0 21.3 31.9



#42
1,2-Dichloroethane
Concen: 20.628 ug/l
RT: 5.40 min Scan# 1316
Delta R.T. -0.00 min
Lab File: VU027257.D
Acq: 28 Sep 2018 09:39

Tgt Ion: 62 Resp: 44558
Ion Ratio Lower Upper
62 100
98 8.3 0.0 17.0





#43

Isopropyl Acetate

Concen: 21.280 ug/l

RT: 5.55 min Scan# 1361

Delta R.T. -0.00 min

Lab File: VU027257.D

Acq: 28 Sep 2018 09:39

Instrument :

MSVOA_U

ClientSampleId :

VU0928WBS02

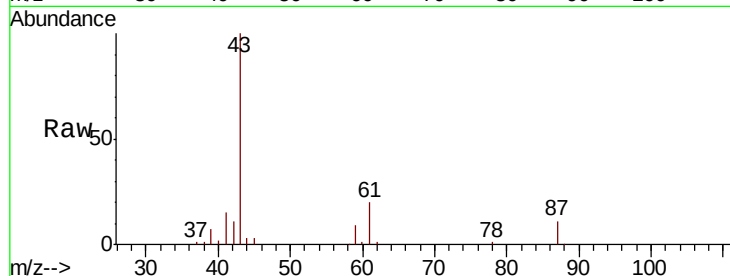
Tot Ion: 43 Resp: 79013

Ion Ratio Lower Upper

43 100

61 19.2 15.7 23.5

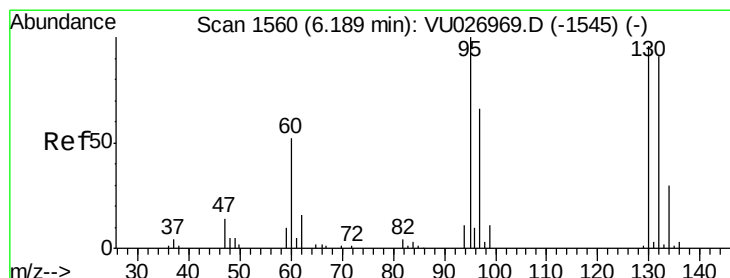
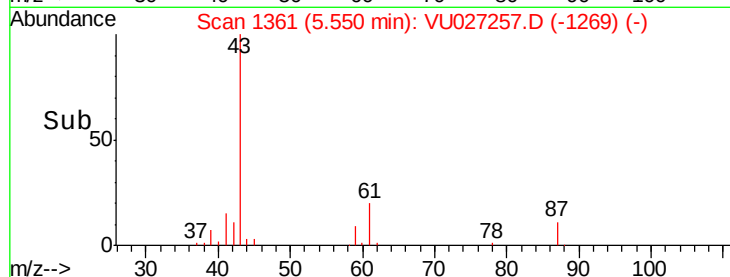
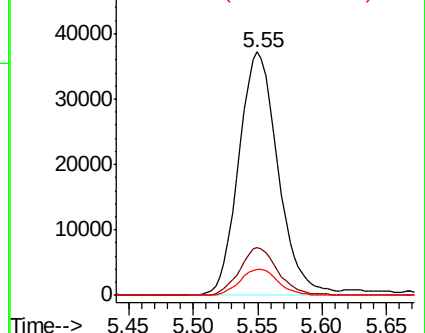
87 10.4 9.0 13.4



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: 20.781 ug/l

RT: 6.19 min Scan# 1559

Delta R.T. -0.00 min

Lab File: VU027257.D

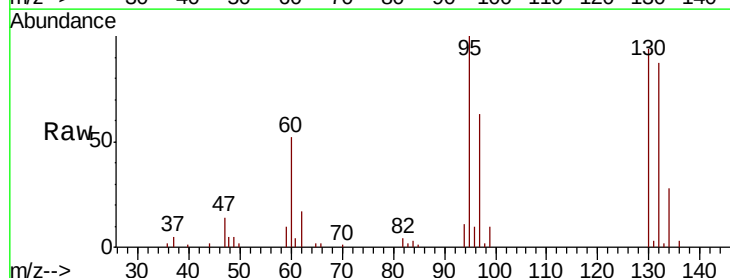
Acq: 28 Sep 2018 09:39

Tgt Ion:130 Resp: 25294

Ion Ratio Lower Upper

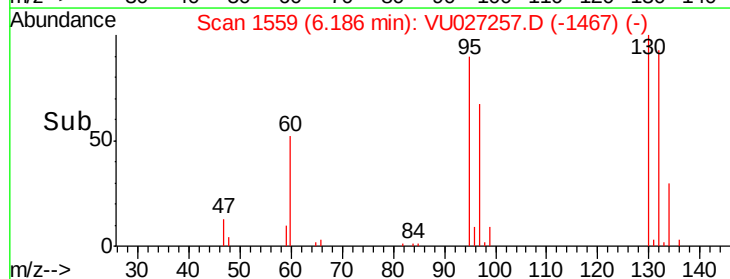
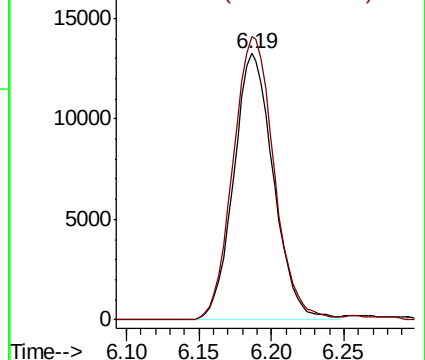
130 100

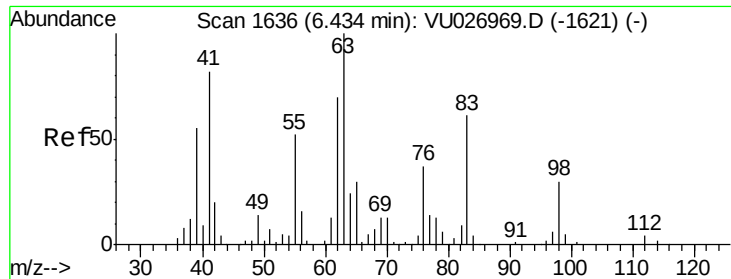
95 106.3 0.0 208.8



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: 21.018 ug/l

RT: 6.43 min Scan# 1636

Delta R.T. 0.00 min

Lab File: VU027257.D

Acq: 28 Sep 2018 09:39

Instrument :

MSVOA_U

ClientSampleId :

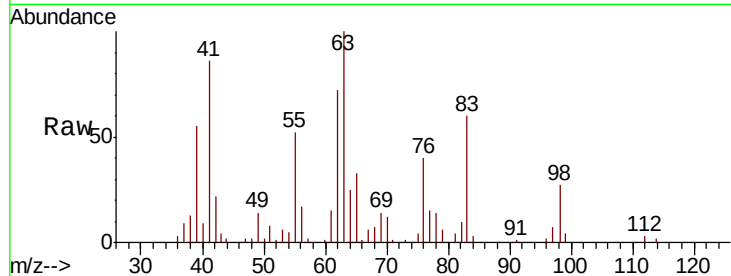
VU0928WBS02

Tot Ion: 63 Resp: 34240

Ion Ratio Lower Upper

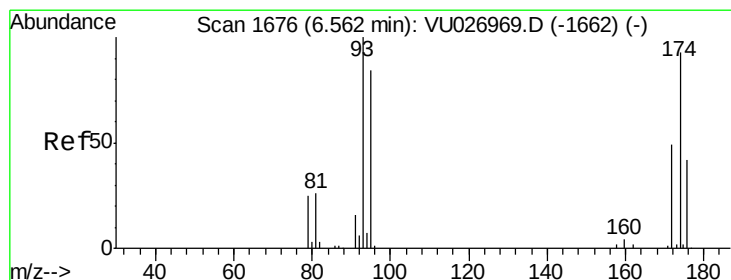
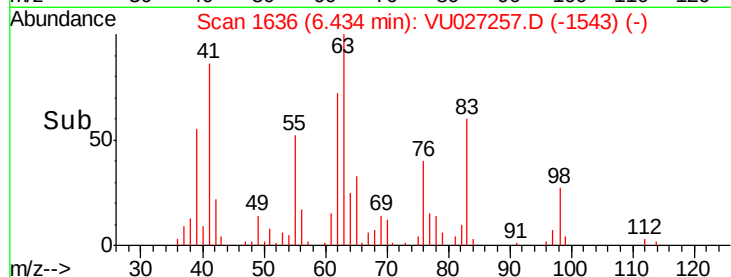
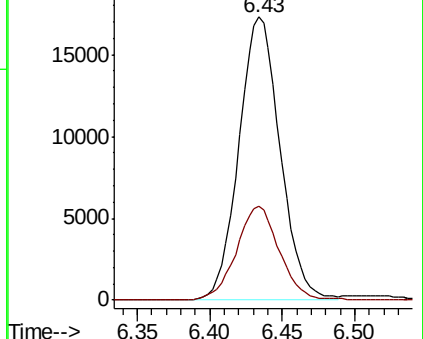
63 100

65 33.1 24.3 36.5



Abundance Ion 62.90 (62.60 to 63.60): VU0

Ion 64.90 (64.60 to 65.60): VU0



#46

Dibromomethane

Concen: 20.386 ug/l

RT: 6.56 min Scan# 1676

Delta R.T. 0.00 min

Lab File: VU027257.D

Acq: 28 Sep 2018 09:39

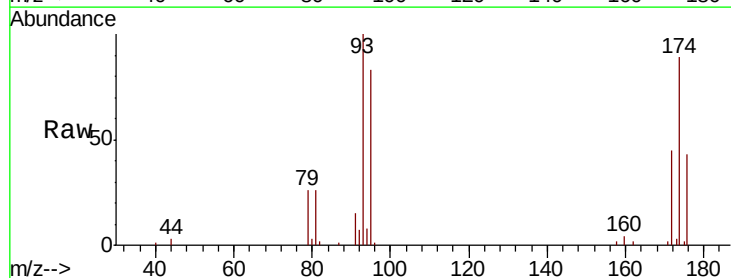
Tgt Ion: 93 Resp: 20057

Ion Ratio Lower Upper

93 100

95 82.2 66.2 99.4

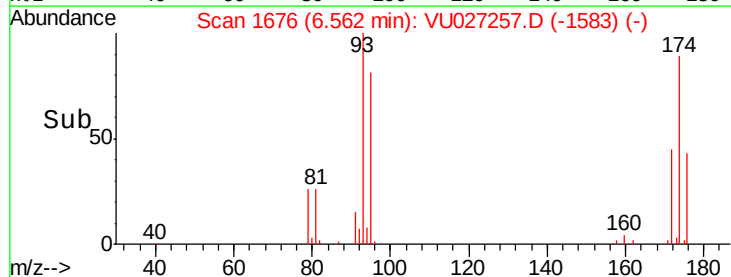
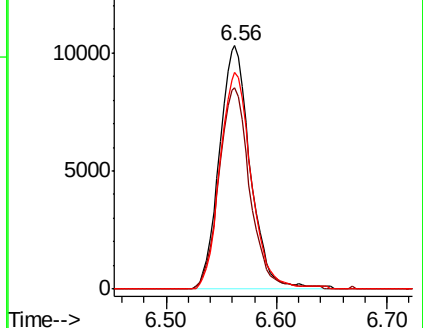
174 89.7 71.7 107.5

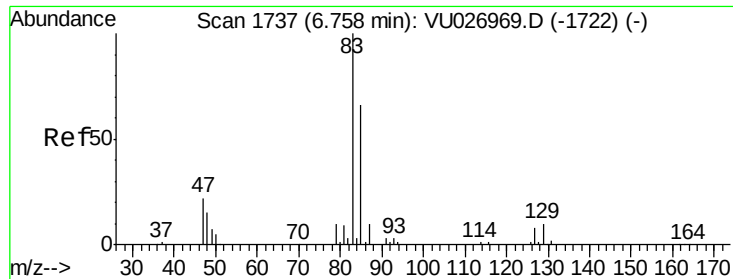


Abundance Ion 92.80 (92.50 to 93.50): VU0

Ion 94.80 (94.50 to 95.50): VU0

Ion 173.70 (173.40 to 174.40): V

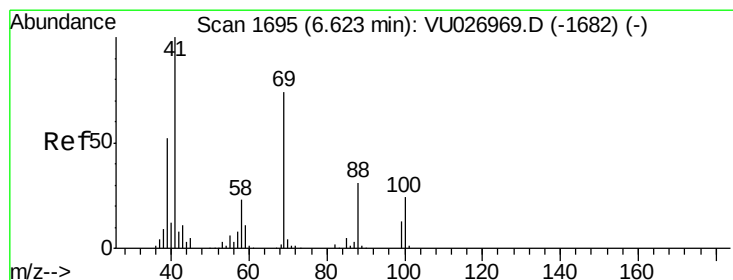
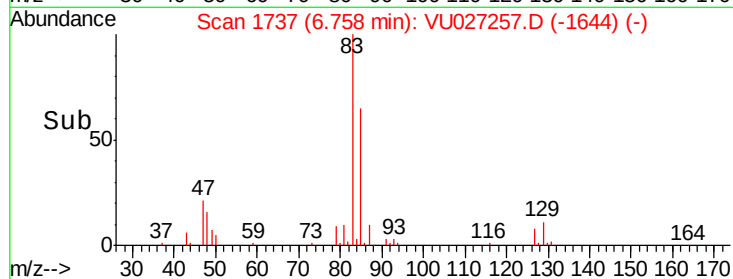
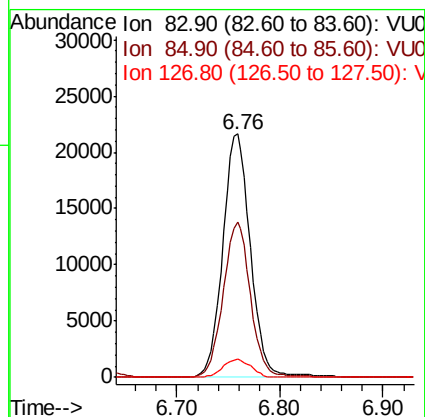
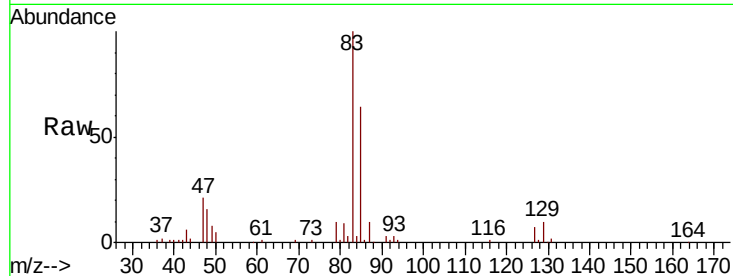




#47
 Bromodichloromethane
 Concen: 20.237 ug/l
 RT: 6.76 min Scan# 1737
 Delta R.T. 0.00 min
 Lab File: VU027257.D
 Acq: 28 Sep 2018 09:39

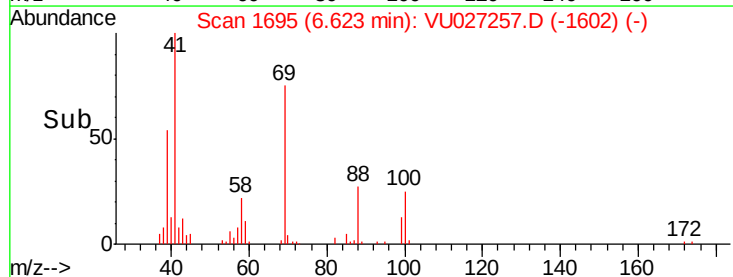
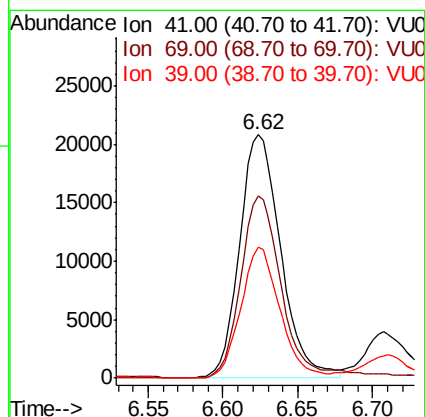
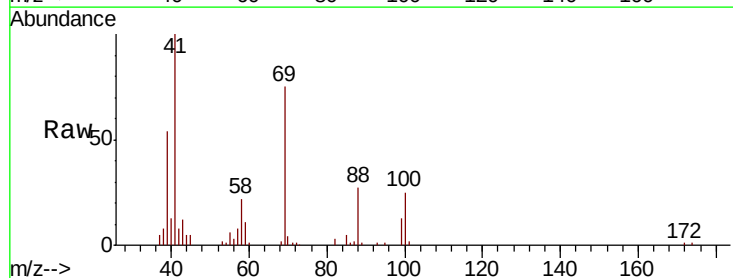
Instrument :
 MSVOA_U
 ClientSampleId :
 VU0928WBS02

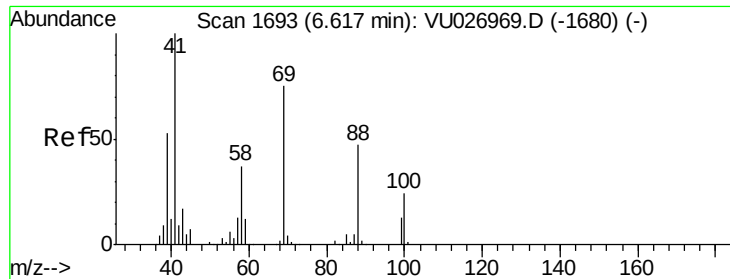
Tot Ion	83	Resp	40259
Ion	Ratio	Lower	Upper
83	100		
85	63.6	52.5	78.7
127	7.4	6.3	9.5



#48
 Methyl methacrylate
 Concen: 20.408 ug/l
 RT: 6.62 min Scan# 1695
 Delta R.T. 0.00 min
 Lab File: VU027257.D
 Acq: 28 Sep 2018 09:39

Tgt Ion	41	Resp	40007
Ion	Ratio	Lower	Upper
41	100		
69	75.8	60.6	90.8
39	51.1	42.8	64.2

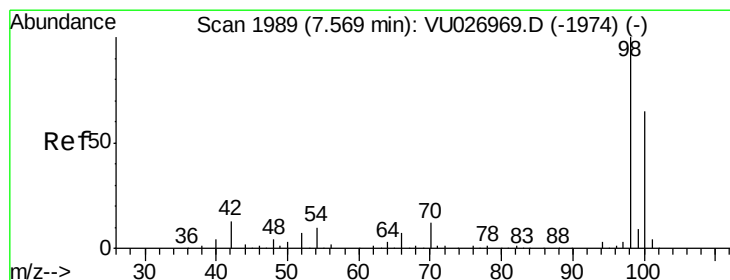
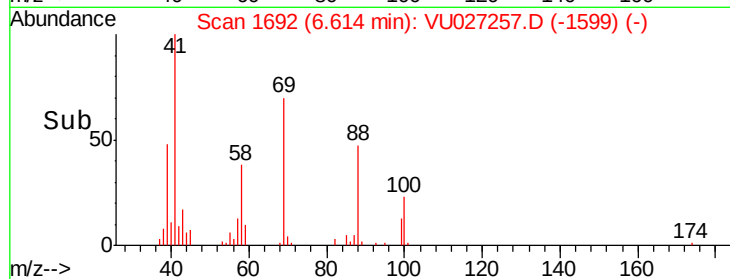
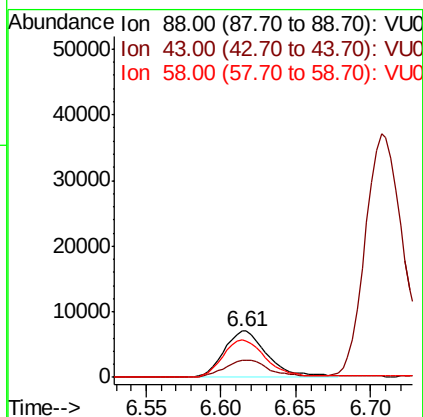
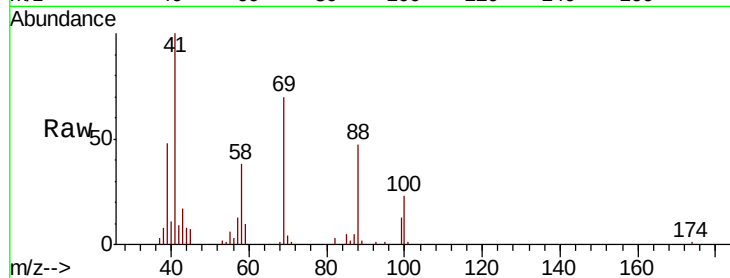




#49
1,4-Dioxane
Concen: 357.114 ug/l
RT: 6.61 min Scan# 1692
Delta R.T. -0.00 min
Lab File: VU027257.D
Acq: 28 Sep 2018 09:39

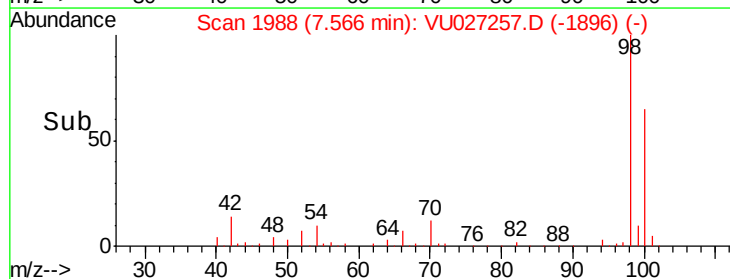
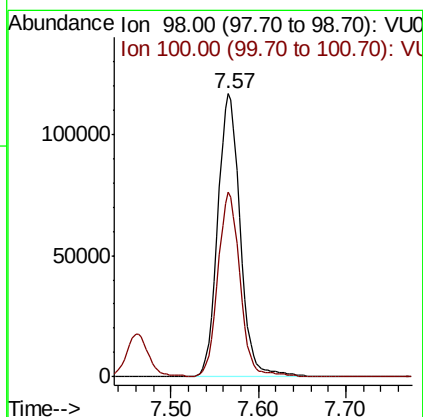
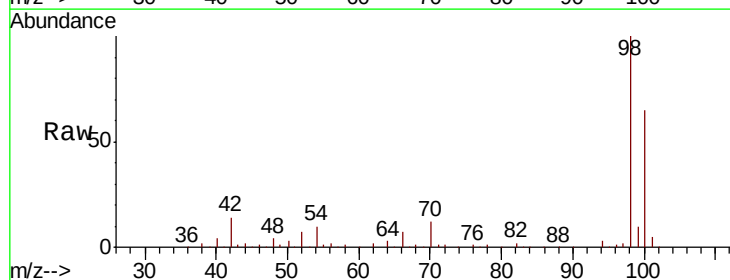
Instrument :
MSVOA_U
ClientSampleId :
VU0928WBS02

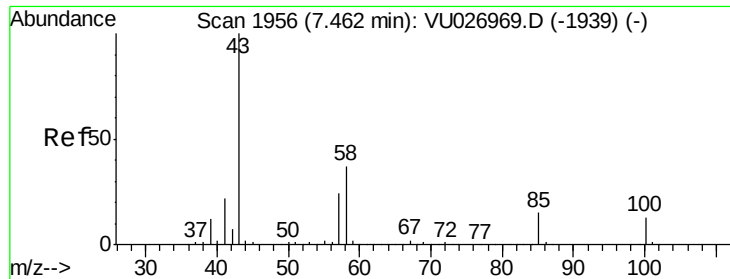
Tot Ion: 88 Resp: 14377
Ion Ratio Lower Upper
88 100
43 38.7 29.8 44.8
58 80.5 63.9 95.9



#50
Toluene-d8
Concen: 44.677 ug/l
RT: 7.57 min Scan# 1988
Delta R.T. -0.00 min
Lab File: VU027257.D
Acq: 28 Sep 2018 09:39

Tgt Ion: 98 Resp: 207974
Ion Ratio Lower Upper
98 100
100 64.7 52.1 78.1





#51

4-Methyl-2-Pentanone

Concen: 106.493 ug/l

RT: 7.46 min Scan# 1955

Delta R.T. -0.00 min

Lab File: VU027257.D

Acq: 28 Sep 2018 09:39

Instrument :

MSVOA_U

ClientSampleId :

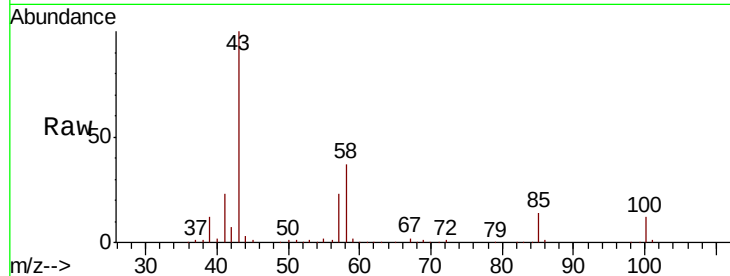
VU0928WBS02

Tot Ion: 43 Resp: 265932

Ion Ratio Lower Upper

43 100

58 37.0 29.8 44.6



Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 58.00 (57.70 to 58.70): VU0

7.46

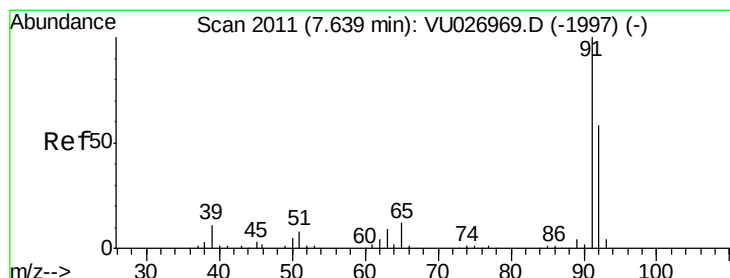
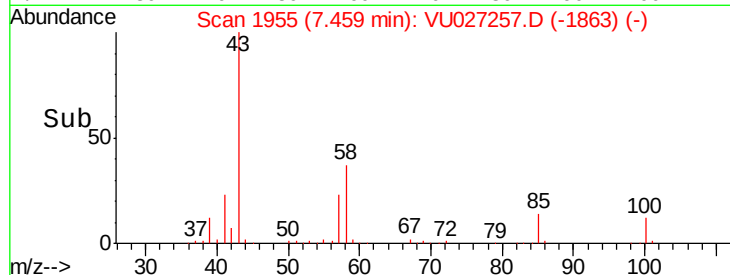
150000

100000

50000

0

Time-->



#52

Toluene

Concen: 21.594 ug/l

RT: 7.64 min Scan# 2011

Delta R.T. 0.00 min

Lab File: VU027257.D

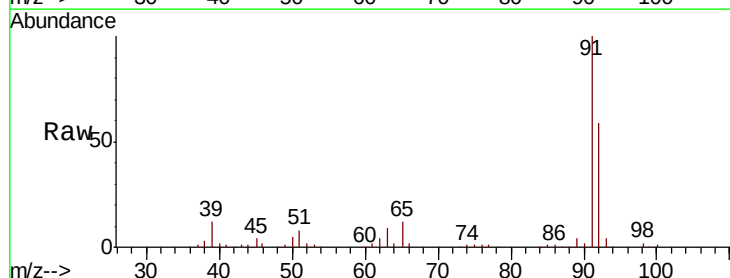
Acq: 28 Sep 2018 09:39

Tgt Ion: 92 Resp: 70767

Ion Ratio Lower Upper

92 100

91 172.2 136.4 204.6



Abundance Ion 92.00 (91.70 to 92.70): VU0

Ion 91.00 (90.70 to 91.70): VU0

7.64

80000

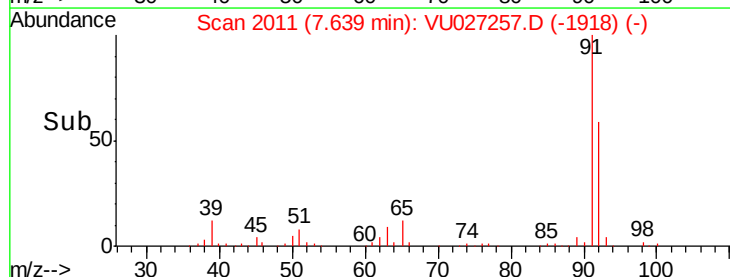
60000

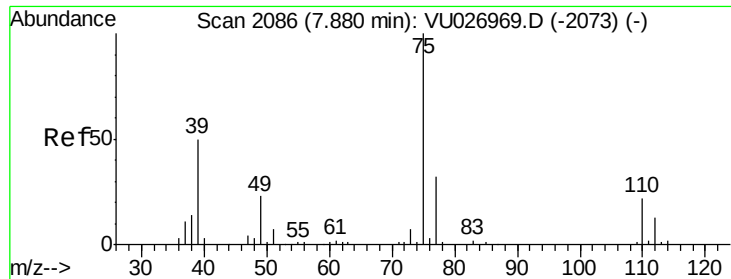
40000

20000

0

Time-->

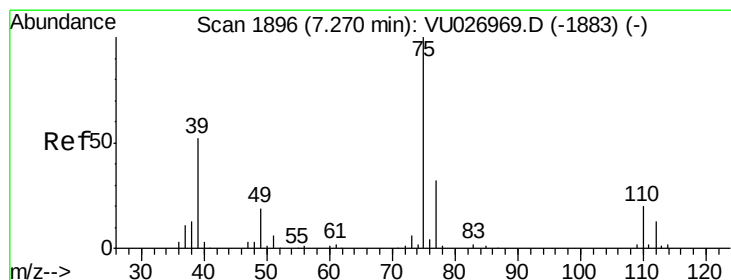
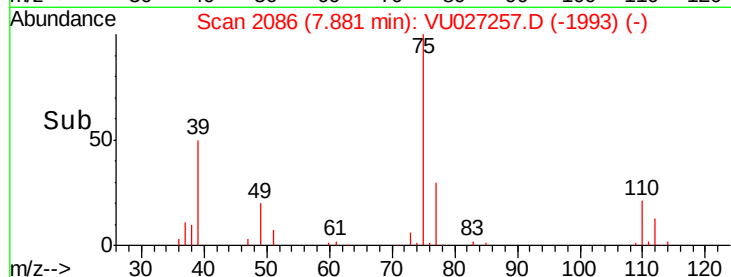
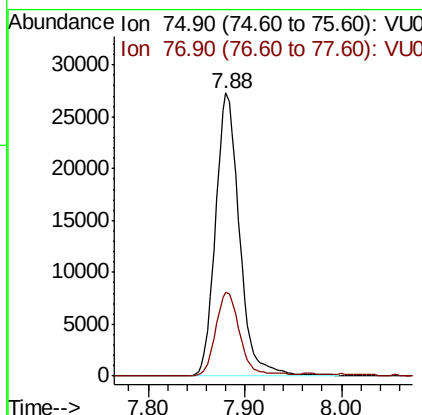
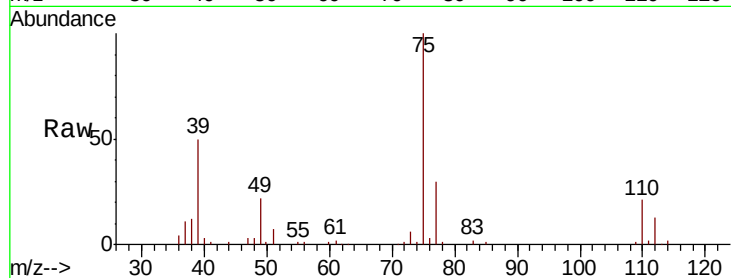




#53
t-1,3-Dichloropropene
Concen: 21.987 ug/l
RT: 7.88 min Scan# 2086
Delta R.T. 0.00 min
Lab File: VU027257.D
Acq: 28 Sep 2018 09:39

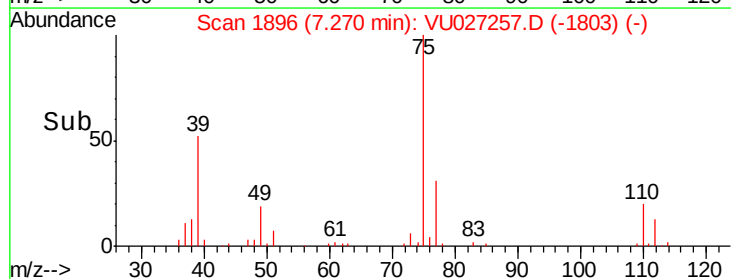
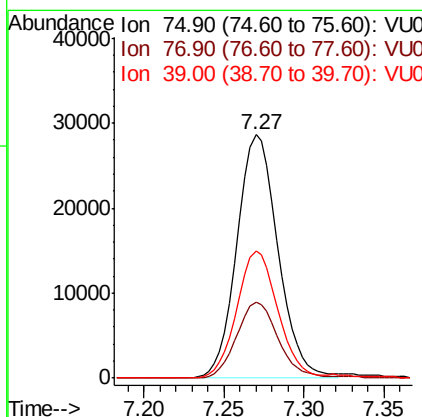
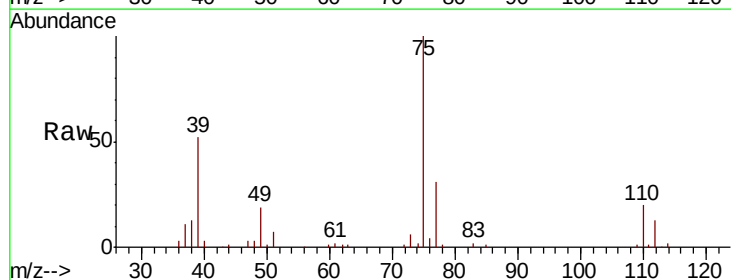
Instrument :
MSVOA_U
ClientSampleId :
VU0928WBS02

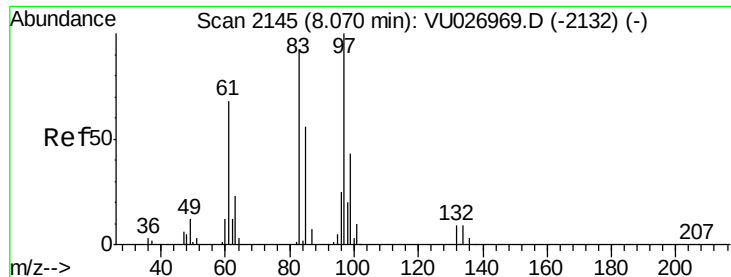
Tot Ion: 75 Resp: 46997
Ion Ratio Lower Upper
75 100
77 29.6 25.3 37.9



#54
cis-1,3-Dichloropropene
Concen: 21.349 ug/l
RT: 7.27 min Scan# 1896
Delta R.T. 0.00 min
Lab File: VU027257.D
Acq: 28 Sep 2018 09:39

Tgt Ion: 75 Resp: 50175
Ion Ratio Lower Upper
75 100
77 31.2 25.4 38.0
39 52.4 41.6 62.4

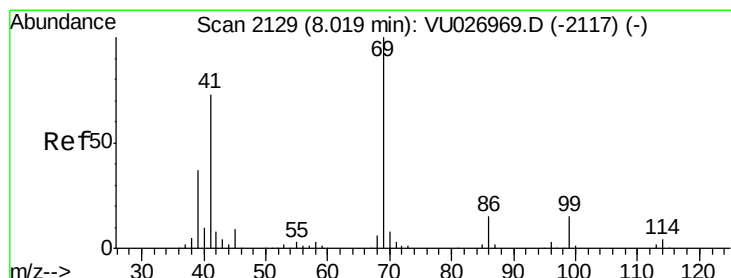
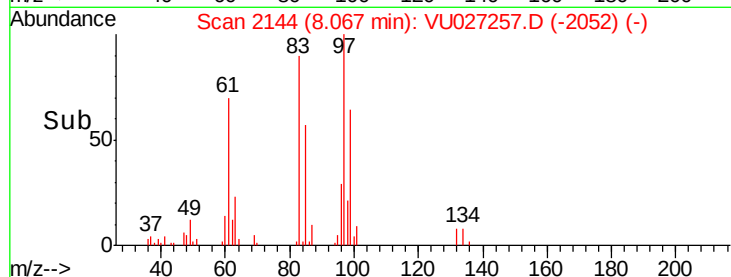
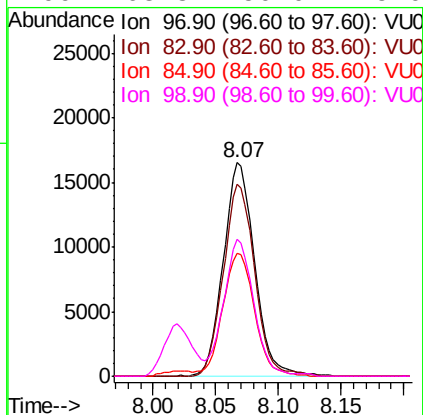
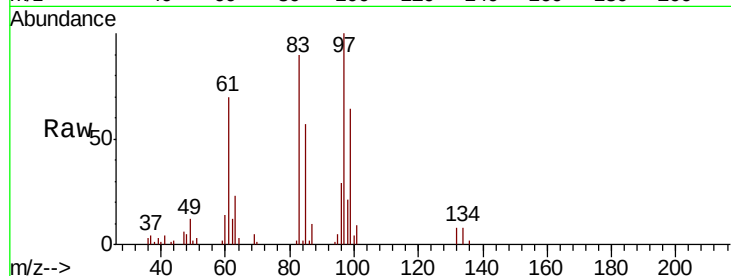




#55
 1,1,2-Trichloroethane
 Concen: 20.698 ug/l
 RT: 8.07 min Scan# 2144
 Delta R.T. -0.00 min
 Lab File: VU027257.D
 Acq: 28 Sep 2018 09:39

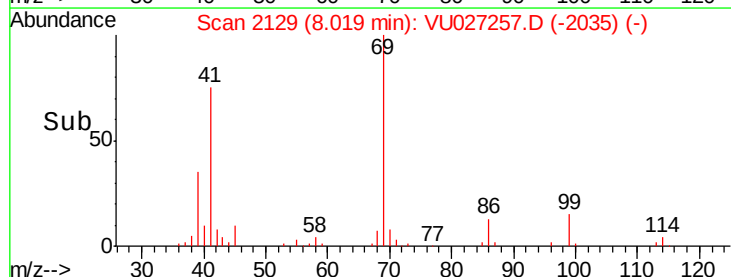
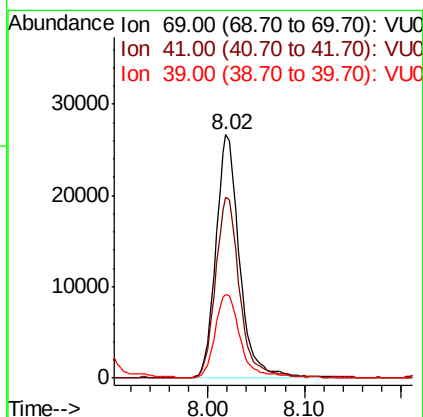
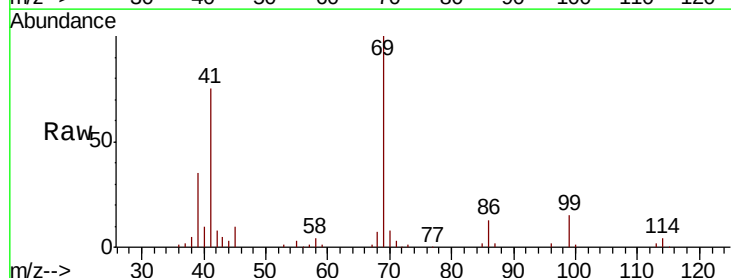
Instrument :
 MSVOA_U
 ClientSampleId :
 VU0928WBS02

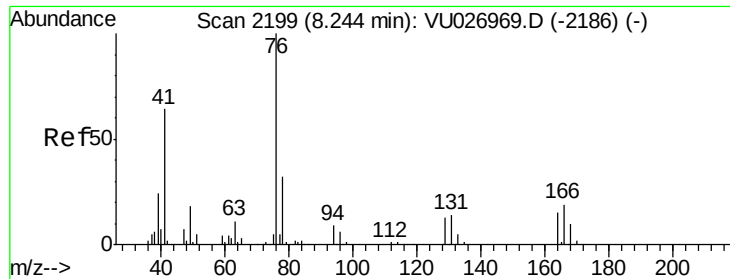
Tot Ion:	97	Resp:	28741
Ion	Ratio	Lower	Upper
97	100		
83	90.2	73.1	109.7
85	57.2	46.7	70.1
99	63.8	50.0	75.0



#56
 Ethyl methacrylate
 Concen: 20.219 ug/l
 RT: 8.02 min Scan# 2129
 Delta R.T. 0.00 min
 Lab File: VU027257.D
 Acq: 28 Sep 2018 09:39

Tgt Ion:	69	Resp:	45423
Ion	Ratio	Lower	Upper
69	100		
41	75.8	59.0	88.4
39	37.1	30.2	45.4

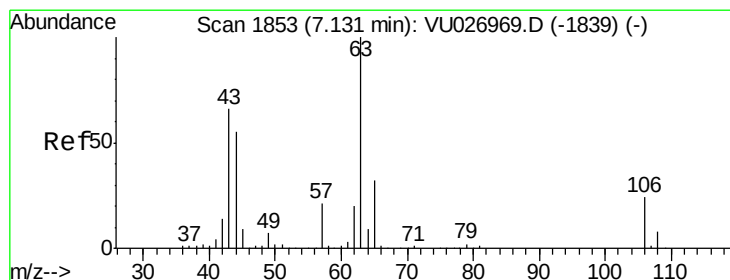
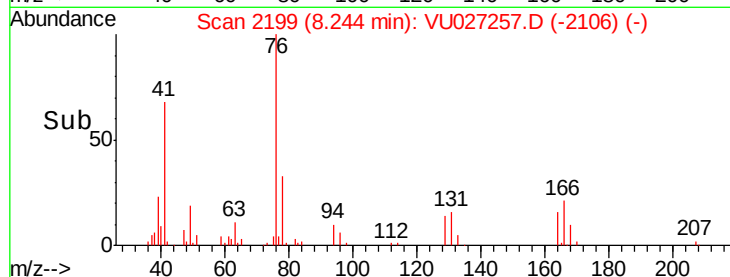
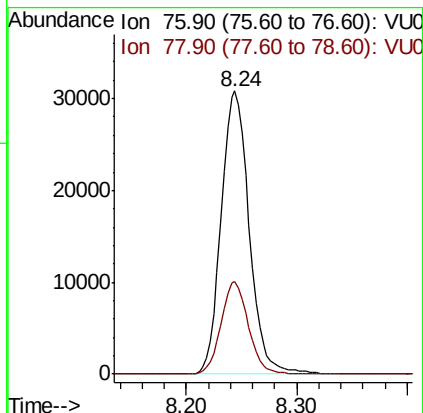
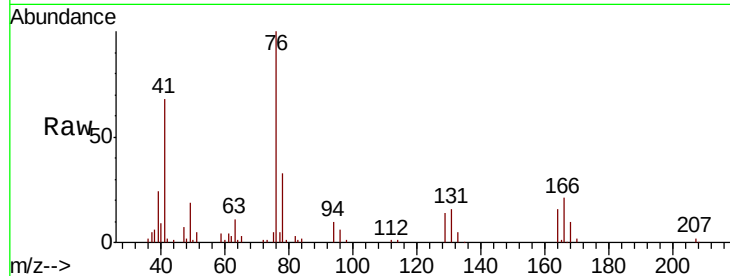




#57
 1,3-Dichloropropane
 Concen: 21.021 ug/l
 RT: 8.24 min Scan# 2199
 Delta R.T. 0.00 min
 Lab File: VU027257.D
 Acq: 28 Sep 2018 09:39

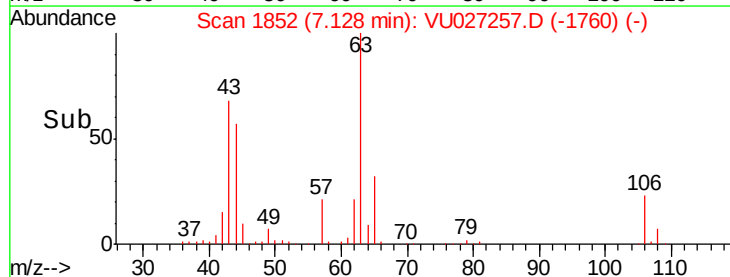
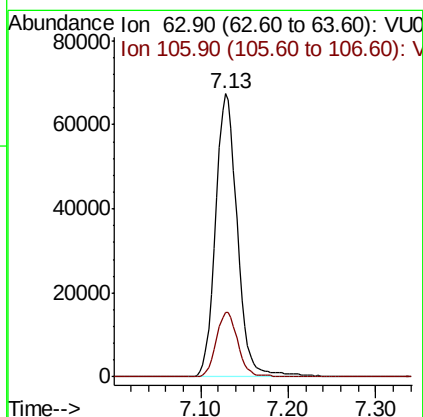
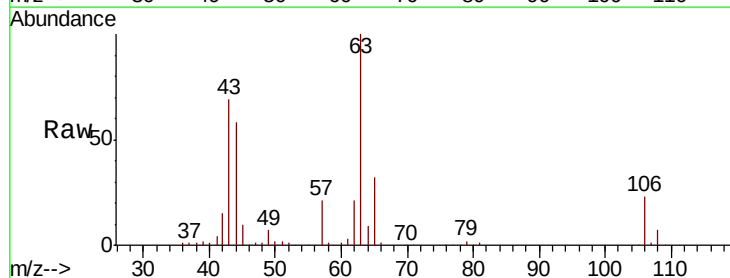
Instrument :
 MSVOA_U
 ClientSampleId :
 VU0928WBS02

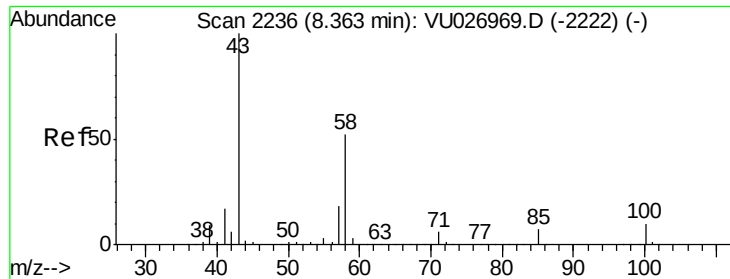
Tot Ion: 76 Resp: 54290
 Ion Ratio Lower Upper
 76 100
 78 31.8 25.5 38.3



#58
 2-Chloroethyl Vinyl ether
 Concen: 88.671 ug/l
 RT: 7.13 min Scan# 1852
 Delta R.T. -0.00 min
 Lab File: VU027257.D
 Acq: 28 Sep 2018 09:39

Tgt Ion: 63 Resp: 116871
 Ion Ratio Lower Upper
 63 100
 106 22.7 18.7 28.1

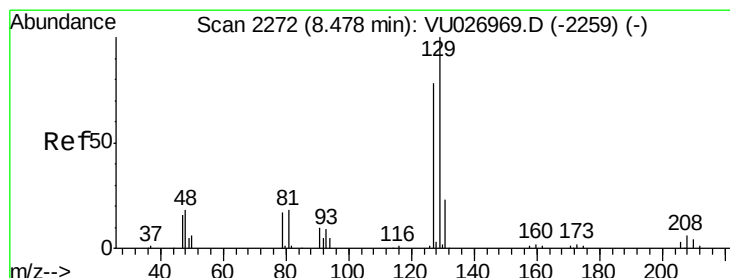
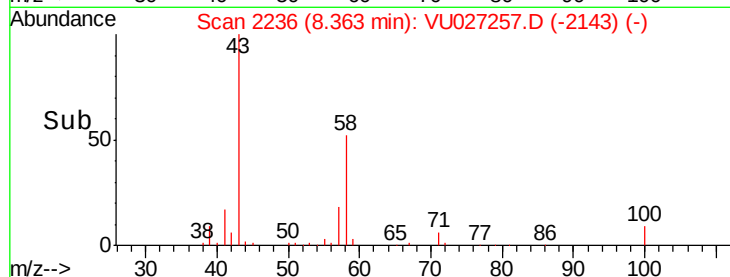
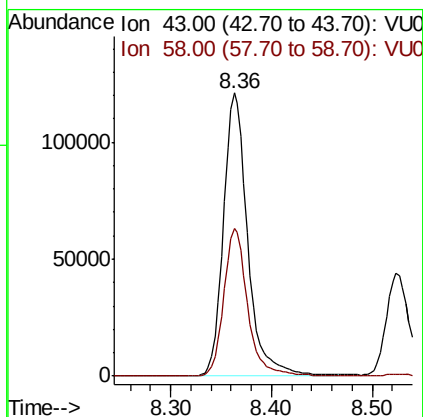
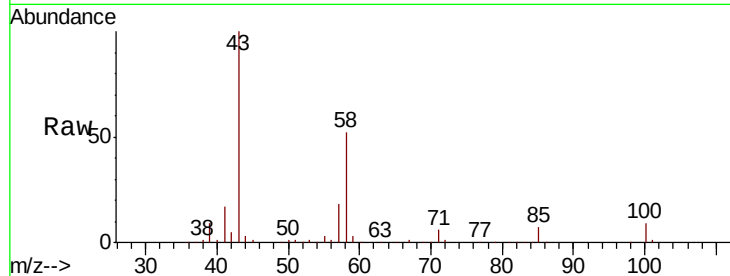




#59
2-Hexanone
Concen: 104.378 ug/l
RT: 8.36 min Scan# 2236
Delta R.T. 0.00 min
Lab File: VU027257.D
Acq: 28 Sep 2018 09:39

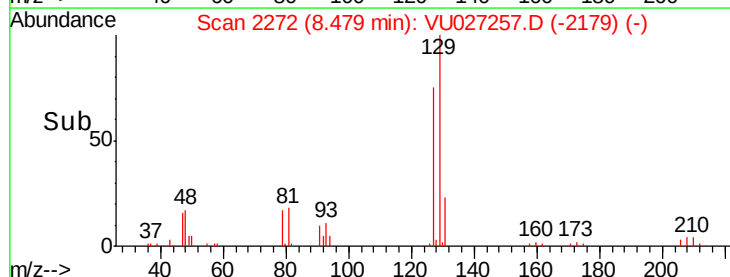
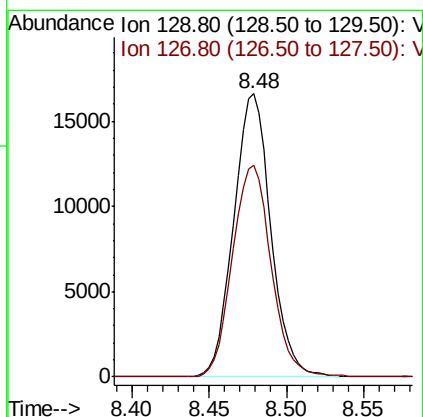
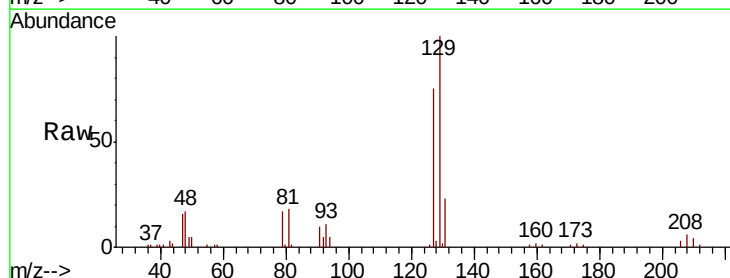
Instrument :
MSVOA_U
ClientSampleId :
VU0928WBS02

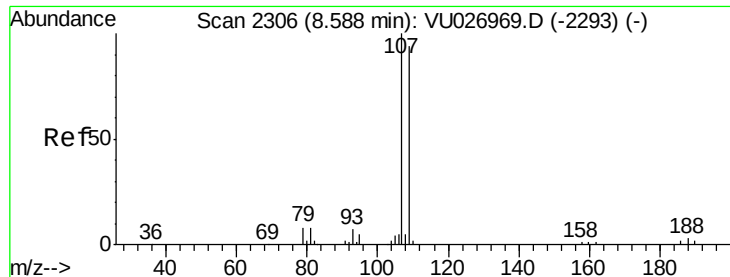
Tot Ion: 43 Resp: 204032
Ion Ratio Lower Upper
43 100
58 51.5 26.1 78.2



#60
Dibromochloromethane
Concen: 20.376 ug/l
RT: 8.48 min Scan# 2272
Delta R.T. 0.00 min
Lab File: VU027257.D
Acq: 28 Sep 2018 09:39

Tgt Ion: 129 Resp: 27753
Ion Ratio Lower Upper
129 100
127 77.8 38.1 114.5





#61

1,2-Dibromoethane

Concen: 20.177 ug/l

RT: 8.59 min Scan# 2306

Delta R.T. 0.00 min

Lab File: VU027257.D

Acq: 28 Sep 2018 09:39

Instrument :

MSVOA_U

ClientSampleId :

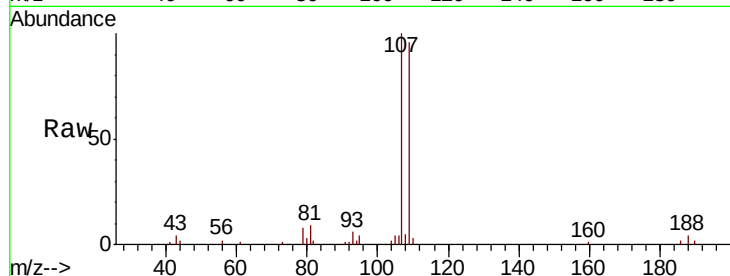
VU0928WBS02

Tot Ion:107 Resp: 29152

Ion Ratio Lower Upper

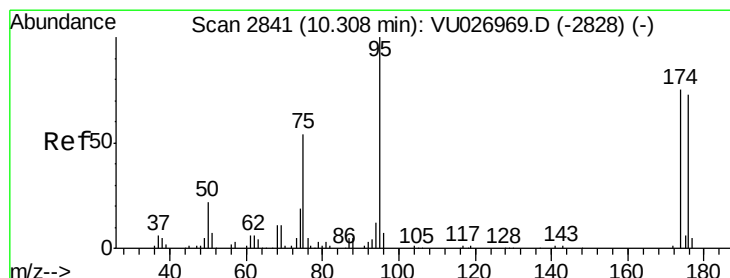
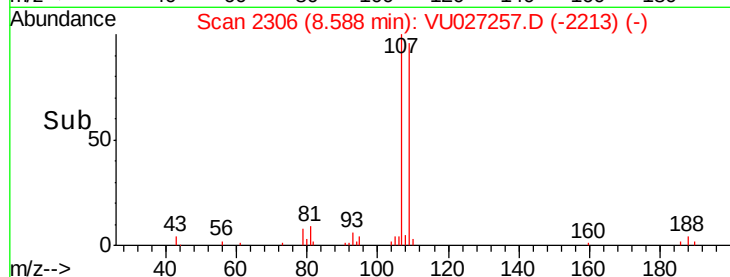
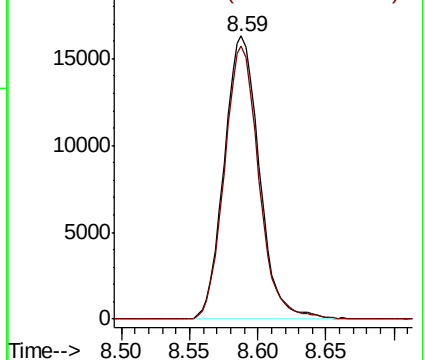
107 100

109 94.7 75.0 112.6



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V



#62

4-Bromofluorobenzene

Concen: 48.247 ug/l

RT: 10.31 min Scan# 2841

Delta R.T. 0.00 min

Lab File: VU027257.D

Acq: 28 Sep 2018 09:39

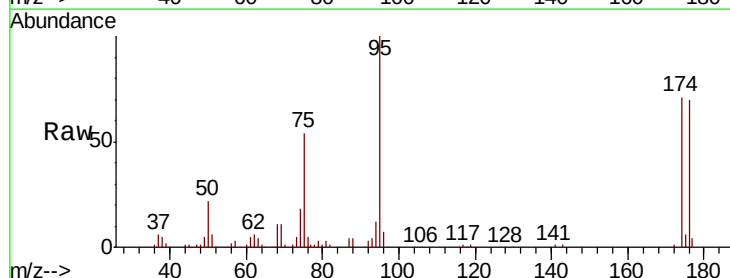
Tgt Ion: 95 Resp: 77064

Ion Ratio Lower Upper

95 100

174 72.0 0.0 150.2

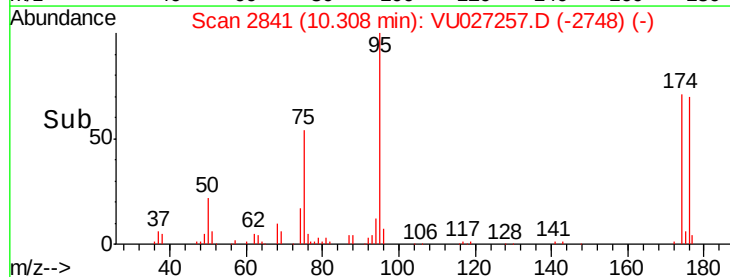
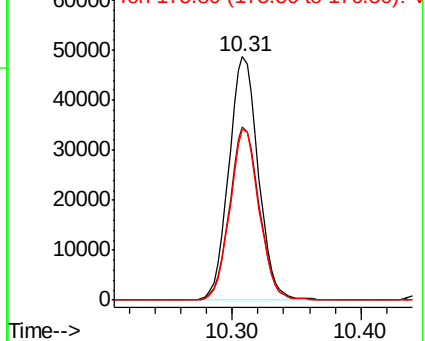
176 69.2 0.0 145.2

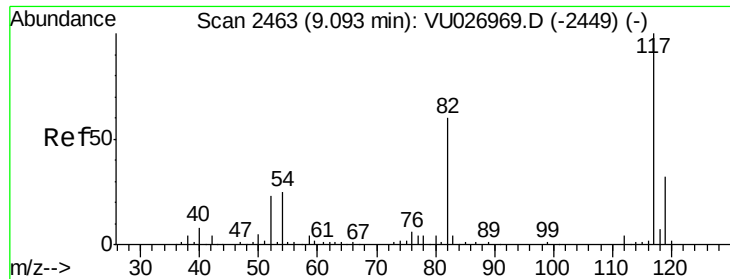


Abundance Ion 94.90 (94.60 to 95.60): VU0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

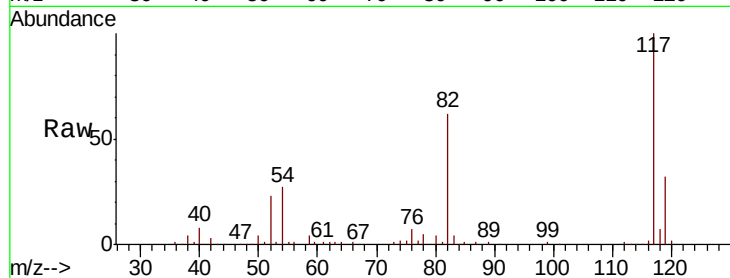




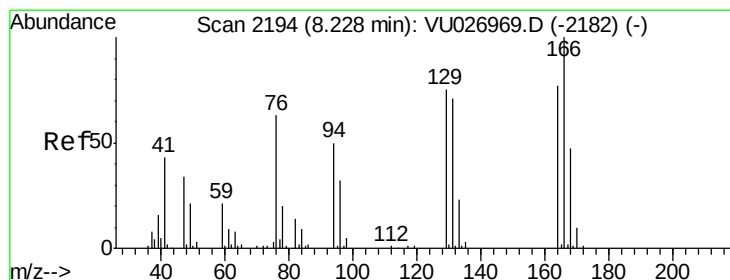
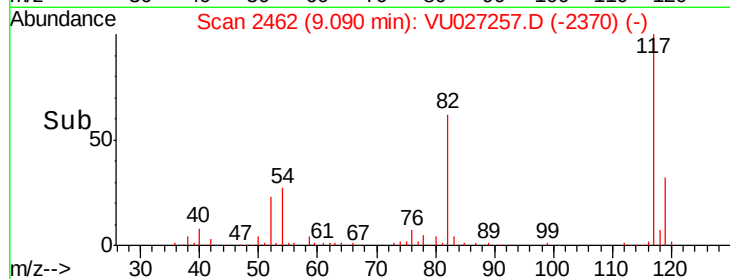
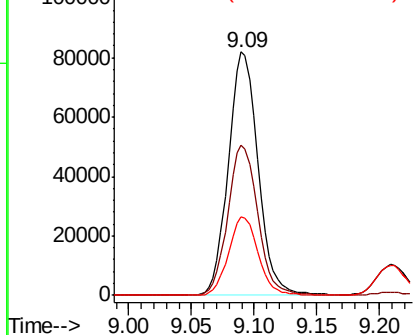
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.09 min Scan# 2462
Delta R.T. -0.00 min
Lab File: VU027257.D
Acq: 28 Sep 2018 09:39

Instrument :
MSVOA_U
ClientSampleId :
VU0928WBS02

Tot Ion:117 Resp: 135274
Ion Ratio Lower Upper
117 100
82 61.8 48.0 72.0
119 32.0 25.8 38.8



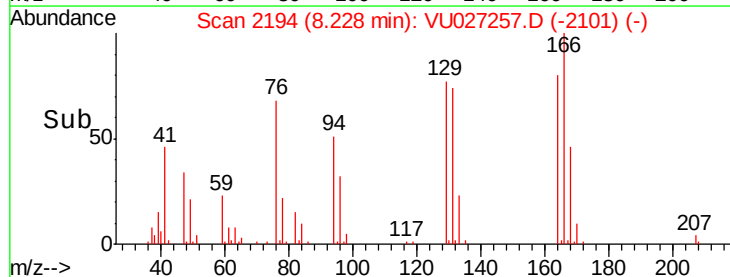
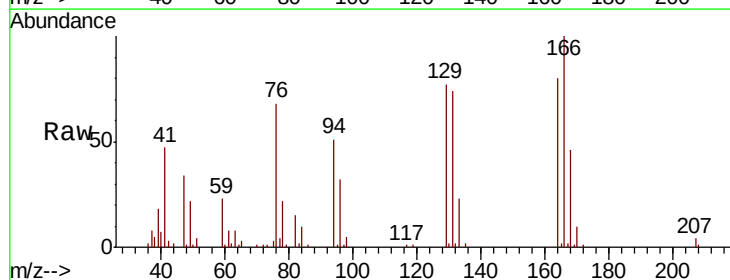
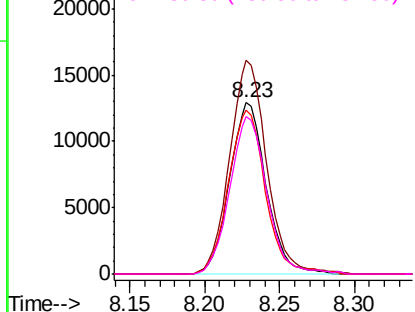
Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VU0
Ion 118.90 (118.60 to 119.60): V

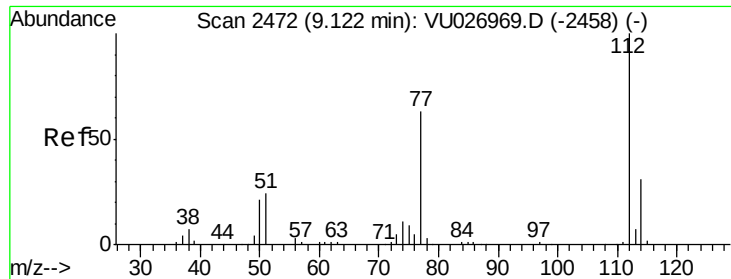


#64
Tetrachloroethene
Concen: 21.112 ug/l
RT: 8.23 min Scan# 2194
Delta R.T. 0.00 min
Lab File: VU027257.D
Acq: 28 Sep 2018 09:39

Tgt Ion:164 Resp: 22007
Ion Ratio Lower Upper
164 100
166 125.0 104.4 156.6
129 96.0 78.7 118.1
131 92.2 73.9 110.9

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

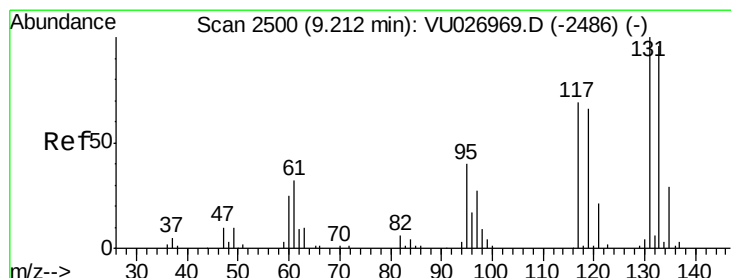
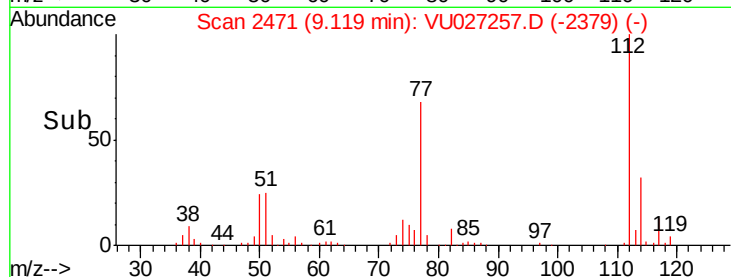
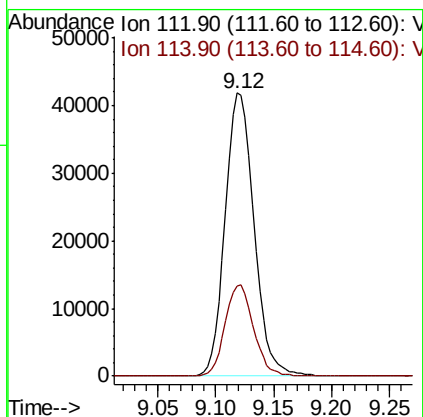
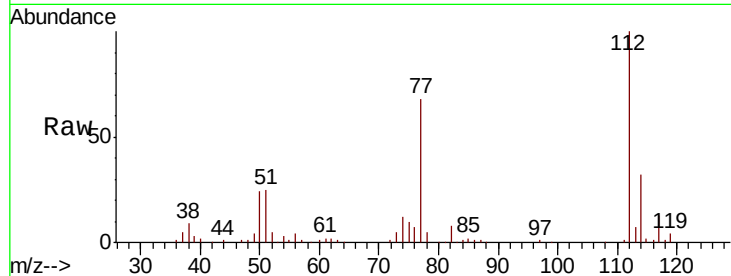




#65
Chlorobenzene
Concen: 20.106 ug/l
RT: 9.12 min Scan# 2471
Delta R.T. -0.00 min
Lab File: VU027257.D
Acq: 28 Sep 2018 09:39

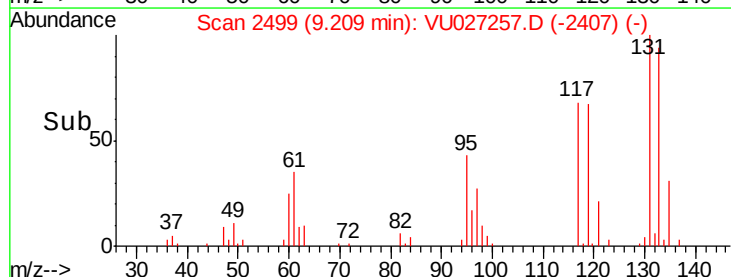
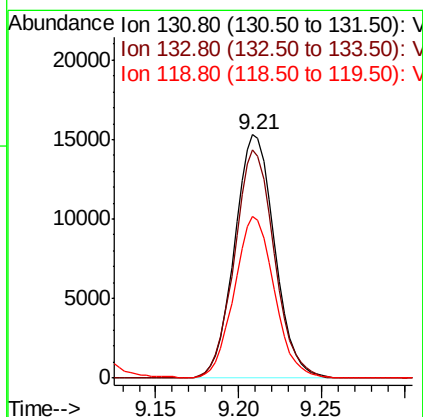
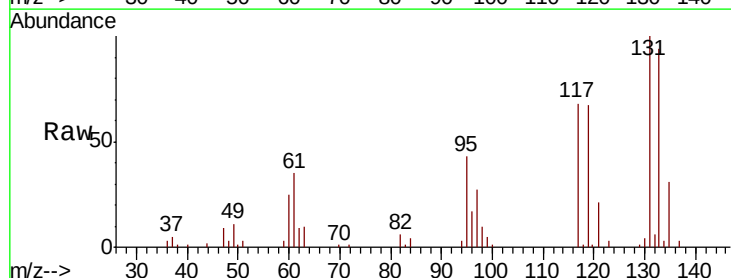
Instrument :
MSVOA_U
ClientSampleId :
VU0928WBS02

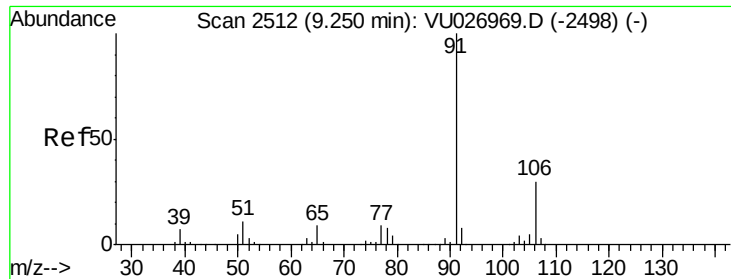
Tot Ion:112 Resp: 72117
Ion Ratio Lower Upper
112 100
114 32.0 25.0 37.6



#66
1,1,1,2-Tetrachloroethane
Concen: 20.843 ug/l
RT: 9.21 min Scan# 2499
Delta R.T. -0.00 min
Lab File: VU027257.D
Acq: 28 Sep 2018 09:39

Tgt Ion:131 Resp: 25750
Ion Ratio Lower Upper
131 100
133 93.2 48.0 144.2
119 66.2 33.4 100.1

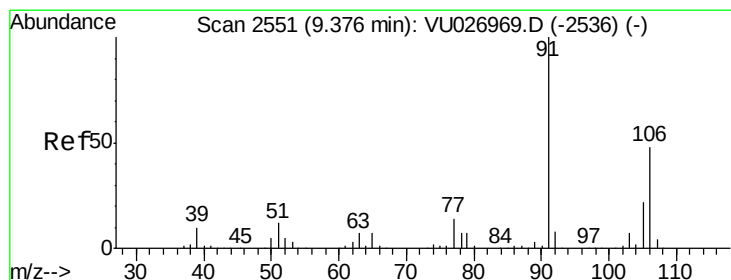
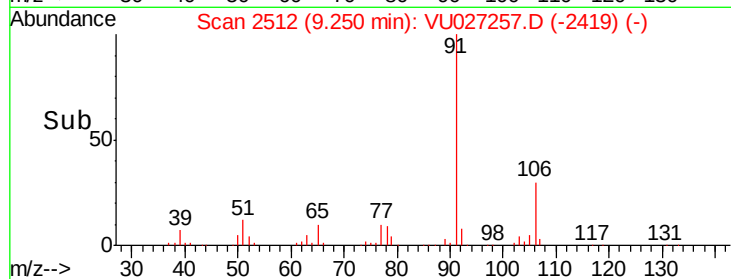
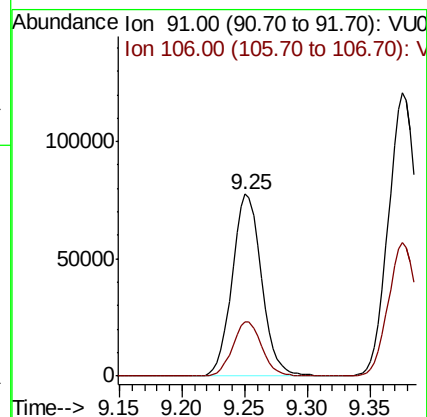
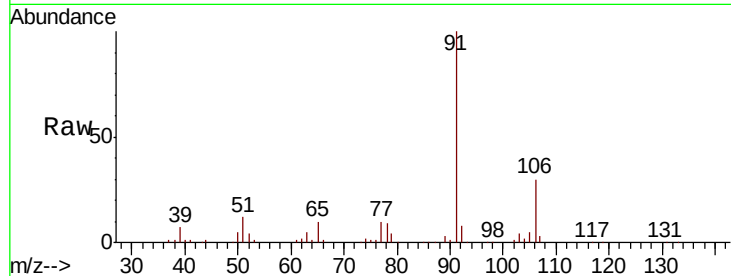




#67
Ethyl Benzene
Concen: 21.457 ug/l
RT: 9.25 min Scan# 2512
Delta R.T. 0.00 min
Lab File: VU027257.D
Acq: 28 Sep 2018 09:39

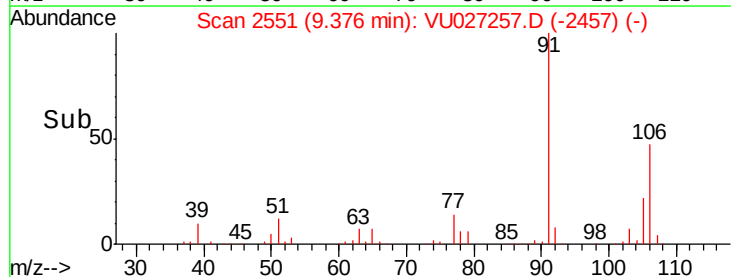
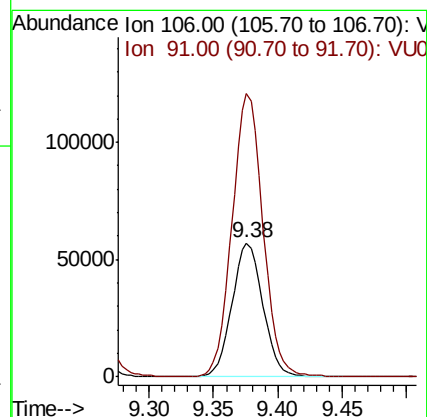
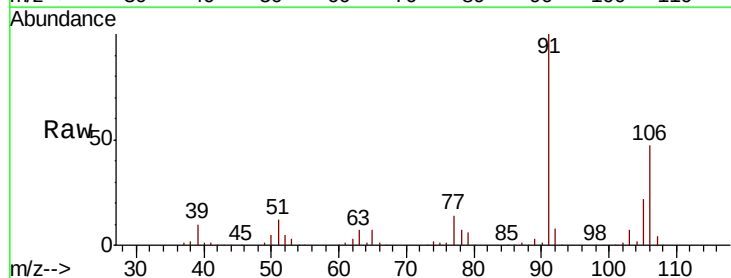
Instrument :
MSVOA_U
ClientSampleId :
VU0928WBS02

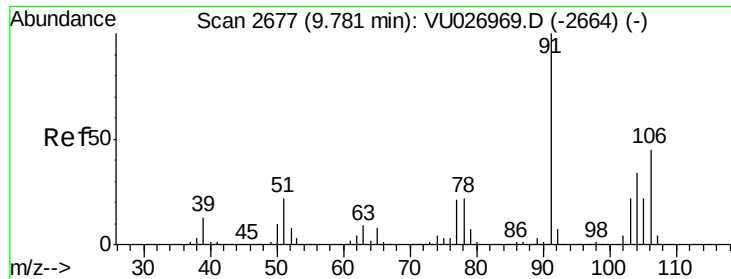
Tot Ion: 91 Resp: 126553
Ion Ratio Lower Upper
91 100
106 30.0 23.8 35.8



#68
m/p-Xylenes
Concen: 40.654 ug/l
RT: 9.38 min Scan# 2551
Delta R.T. 0.00 min
Lab File: VU027257.D
Acq: 28 Sep 2018 09:39

Tgt Ion: 106 Resp: 94949
Ion Ratio Lower Upper
106 100
91 211.4 166.5 249.7

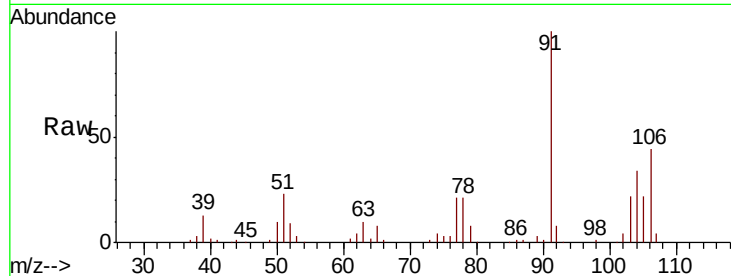




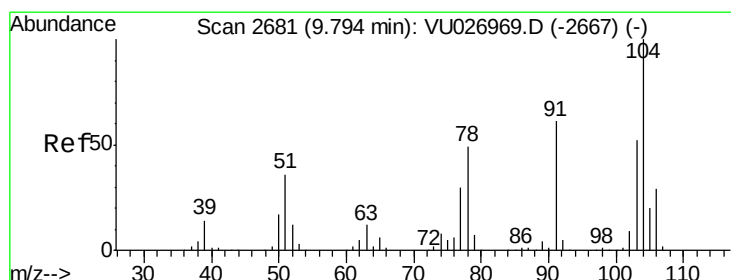
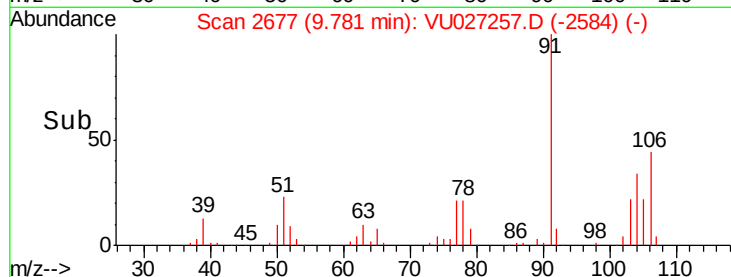
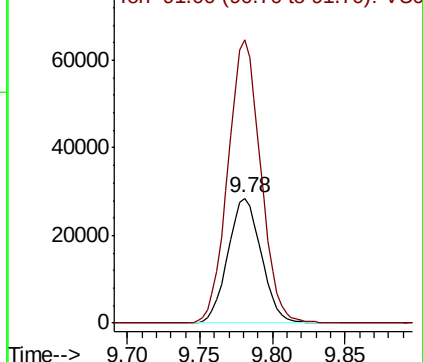
#69
o-Xylene
Concen: 21.818 ug/l
RT: 9.78 min Scan# 2677
Delta R.T. 0.00 min
Lab File: VU027257.D
Acq: 28 Sep 2018 09:39

Instrument :
MSVOA_U
ClientSampleId :
VU0928WBS02

Tot Ion:106 Resp: 45595
Ion Ratio Lower Upper
106 100
91 222.6 110.2 330.6

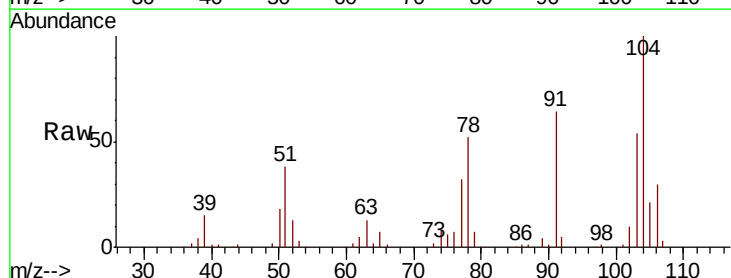


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VU0

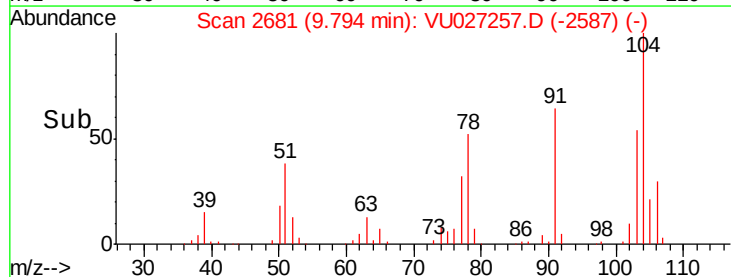
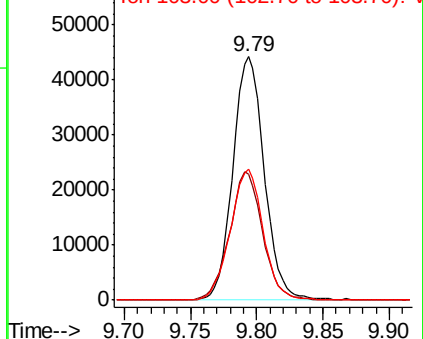


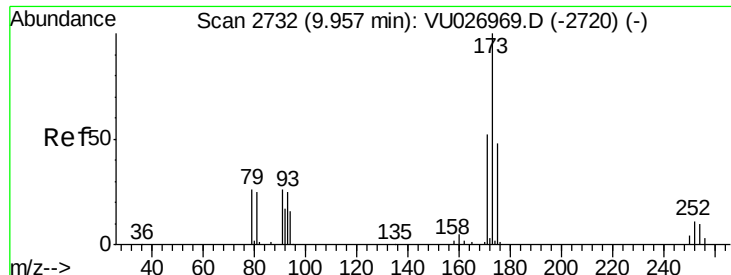
#70
Styrene
Concen: 19.852 ug/l
RT: 9.79 min Scan# 2681
Delta R.T. 0.00 min
Lab File: VU027257.D
Acq: 28 Sep 2018 09:39

Tgt Ion:104 Resp: 73042
Ion Ratio Lower Upper
104 100
78 55.3 43.0 64.4
103 56.2 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: 20.585 ug/l

RT: 9.96 min Scan# 2733

Delta R.T. 0.00 min

Lab File: VU027257.D

Acq: 28 Sep 2018 09:39

Instrument :

MSVOA_U

ClientSampleId :

VU0928WBS02

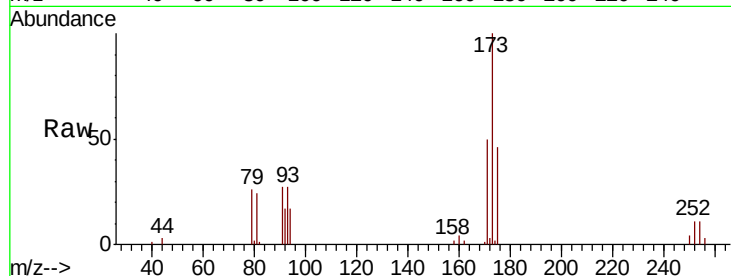
Tot Ion:173 Resp: 19666

Ion Ratio Lower Upper

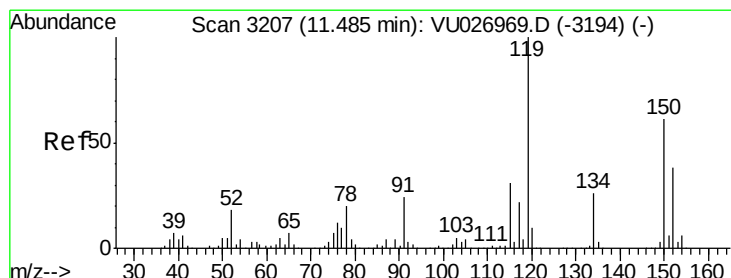
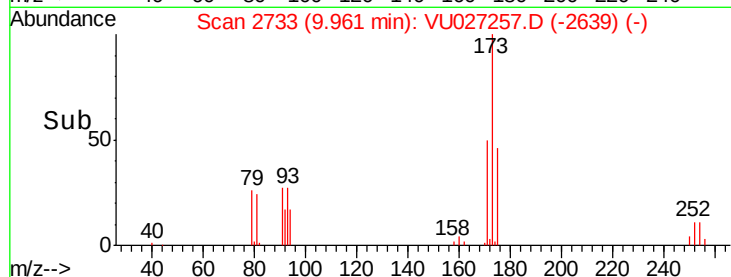
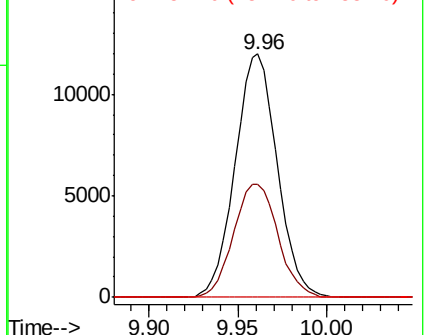
173 100

175 49.0 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: VU027257.D

Acq: 28 Sep 2018 09:39

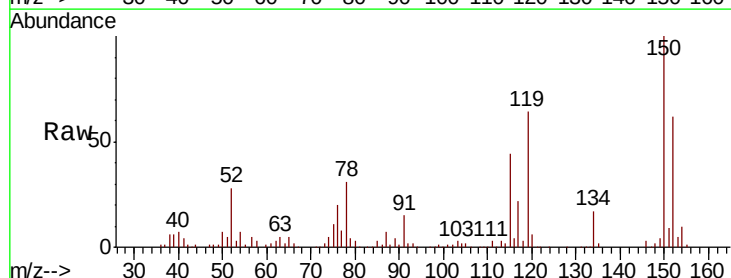
Tgt Ion:152 Resp: 71522

Ion Ratio Lower Upper

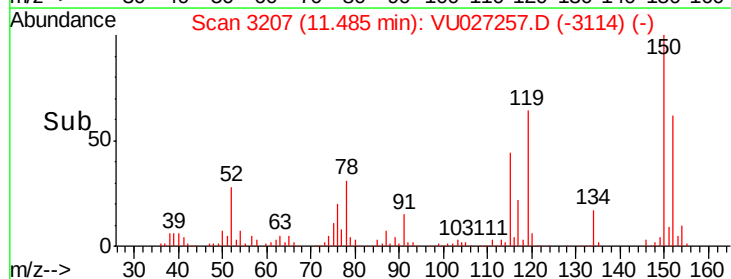
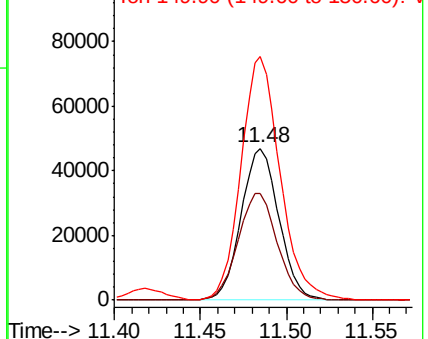
152 100

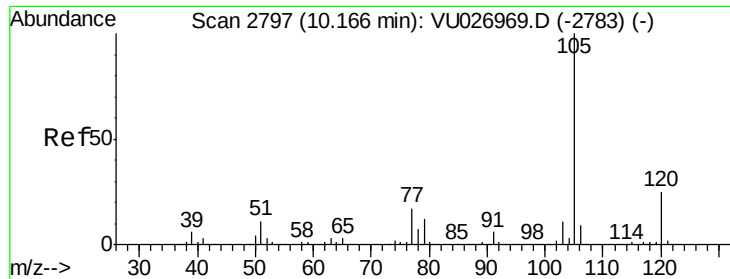
115 73.9 44.9 134.5

150 167.1 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: 23.003 ug/l

RT: 10.17 min Scan# 2797

Delta R.T. 0.00 min

Lab File: VU027257.D

Acq: 28 Sep 2018 09:39

Instrument :

MSVOA_U

ClientSampleId :

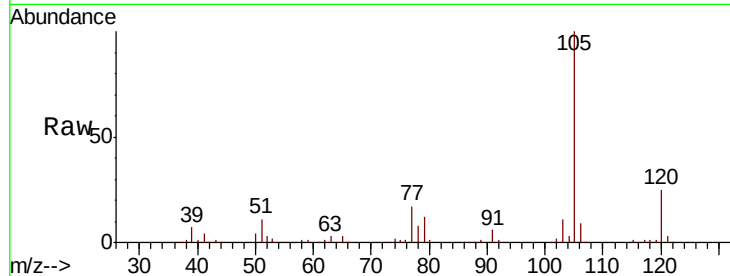
VU0928WBS02

Tot Ion:105 Resp: 125148

Ion Ratio Lower Upper

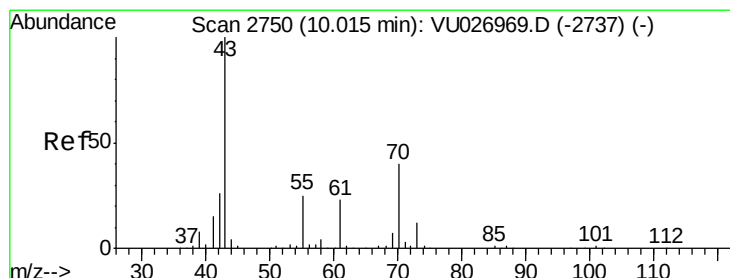
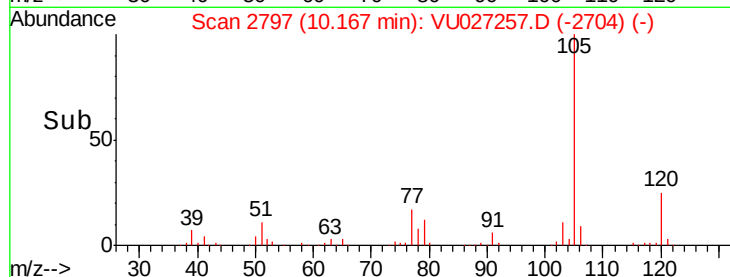
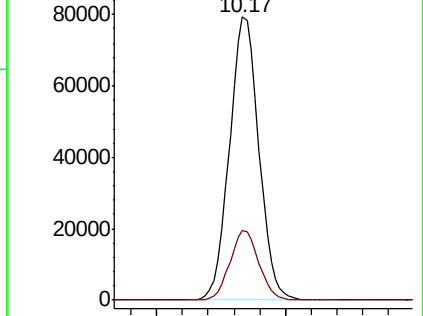
105 100

120 24.2 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: 21.578 ug/l

RT: 10.02 min Scan# 2750

Delta R.T. 0.00 min

Lab File: VU027257.D

Acq: 28 Sep 2018 09:39

Tgt Ion: 43 Resp: 67954

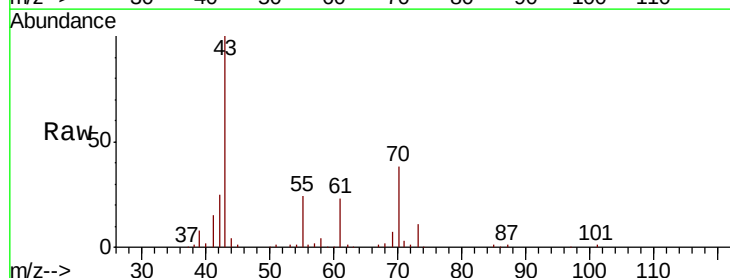
Ion Ratio Lower Upper

43 100

70 38.3 31.8 47.8

55 24.4 19.9 29.9

61 22.8 18.4 27.6

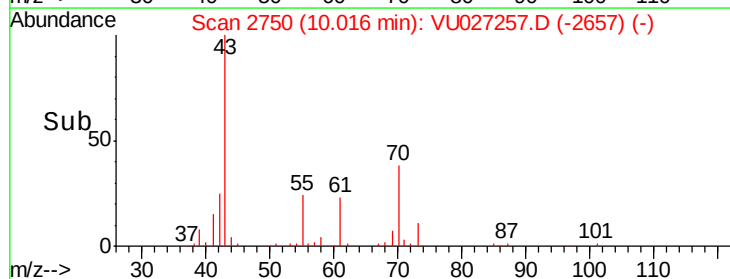
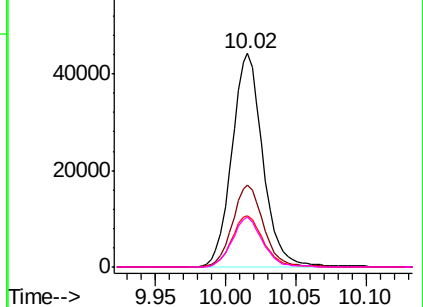


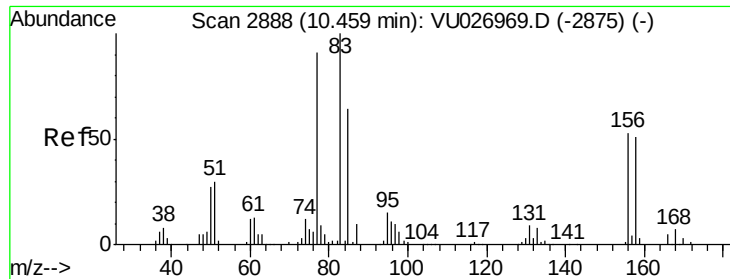
Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 70.00 (69.70 to 70.70): VU0

Ion 55.00 (54.70 to 55.70): VU0

Ion 61.00 (60.70 to 61.70): VU0





#75

1,1,2,2-Tetrachloroethane

Concen: 19.516 ug/l

RT: 10.46 min Scan# 2888

Delta R.T. 0.00 min

Lab File: VU027257.D

Acq: 28 Sep 2018 09:39

Instrument :

MSVOA_U

ClientSampleId :

VU0928WBS02

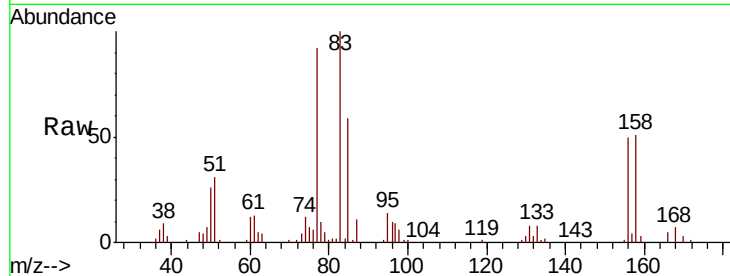
Tot Ion: 83 Resp: 48818

Ion Ratio Lower Upper

83 100

131 8.2 4.3 12.8

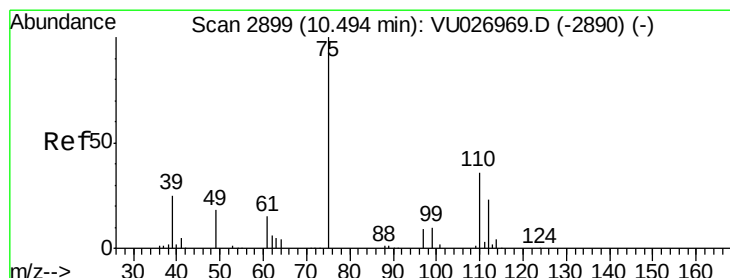
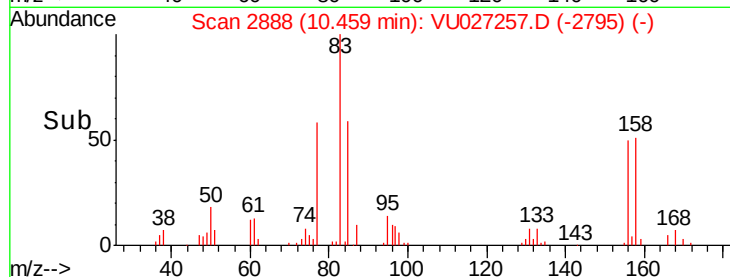
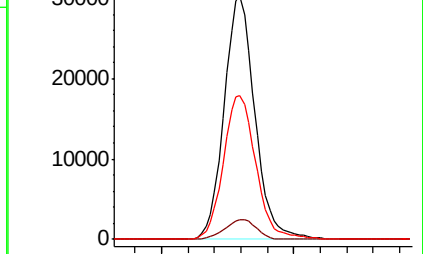
85 62.3 31.9 95.7



Abundance Ion 82.90 (82.60 to 83.60): VU0

Ion 130.80 (130.50 to 131.50): VU0

Ion 84.90 (84.60 to 85.60): VU0



#76

1,2,3-Trichloropropane

Concen: 25.962 ug/l

RT: 10.49 min Scan# 2899

Delta R.T. 0.00 min

Lab File: VU027257.D

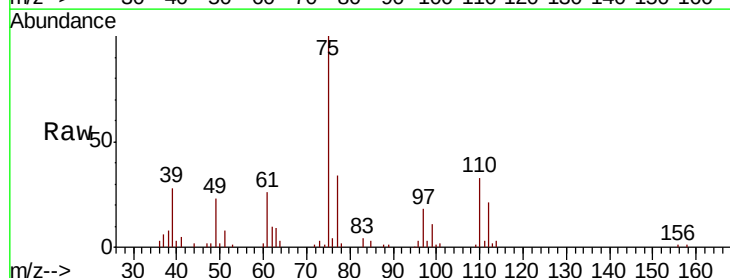
Acq: 28 Sep 2018 09:39

Tgt Ion: 75 Resp: 56410

Ion Ratio Lower Upper

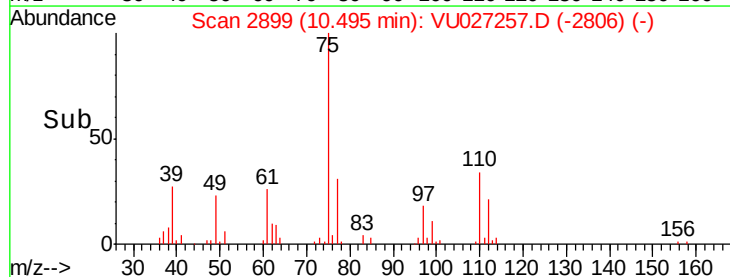
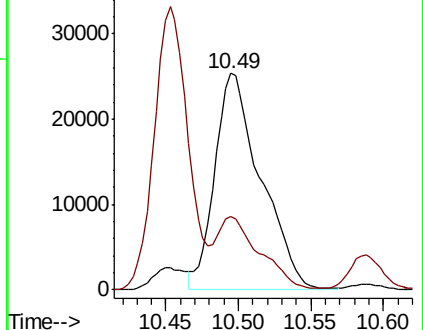
75 100

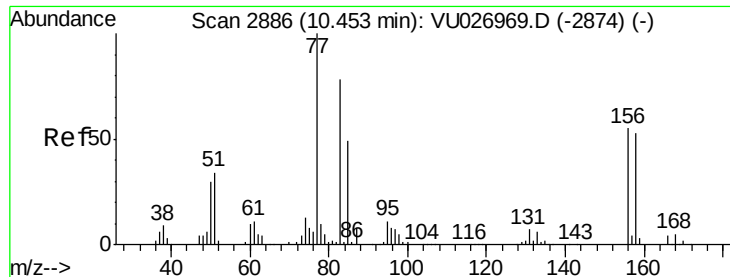
77 30.3 20.9 62.8



Abundance Ion 74.90 (74.60 to 75.60): VU0

Ion 77.00 (76.70 to 77.70): VU0





#77

Bromobenzene

Concen: 20.753 ug/l

RT: 10.45 min Scan# 2886

Delta R.T. 0.00 min

Lab File: VU027257.D

Acq: 28 Sep 2018 09:39

Instrument :

MSVOA_U

ClientSampleId :

VU0928WBS02

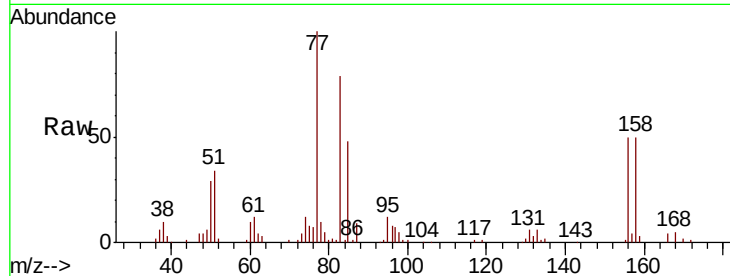
Tot Ion:156 Resp: 27591

Ion Ratio Lower Upper

156 100

77 194.4 92.3 276.9

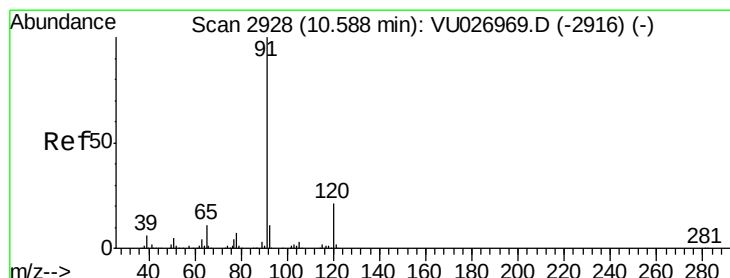
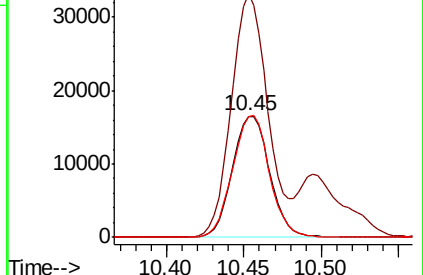
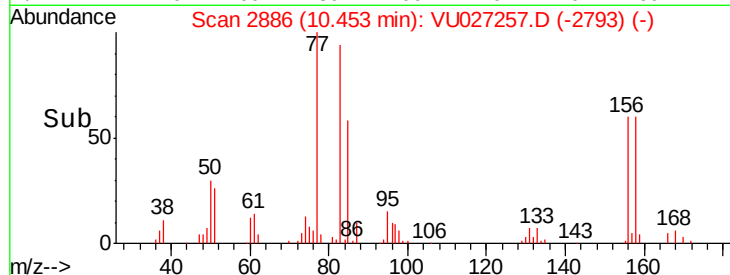
158 99.3 48.1 144.3



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: 23.044 ug/l

RT: 10.59 min Scan# 2928

Delta R.T. 0.00 min

Lab File: VU027257.D

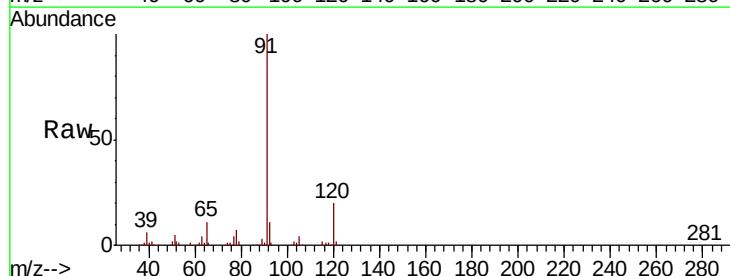
Acq: 28 Sep 2018 09:39

Tgt Ion: 91 Resp: 148344

Ion Ratio Lower Upper

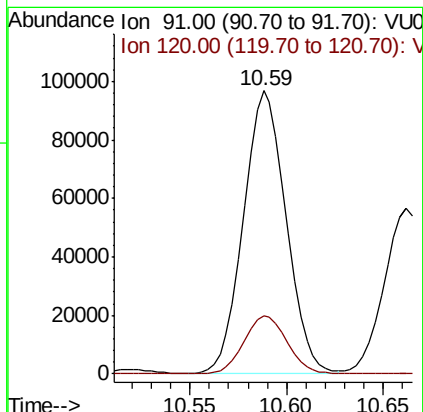
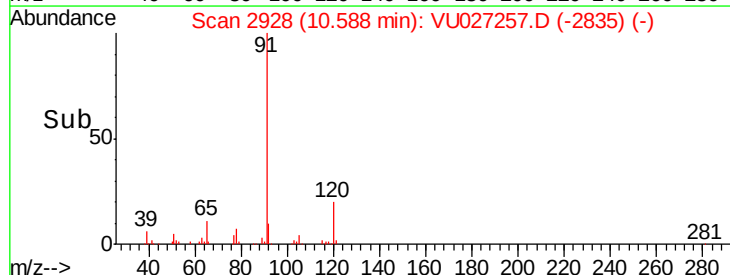
91 100

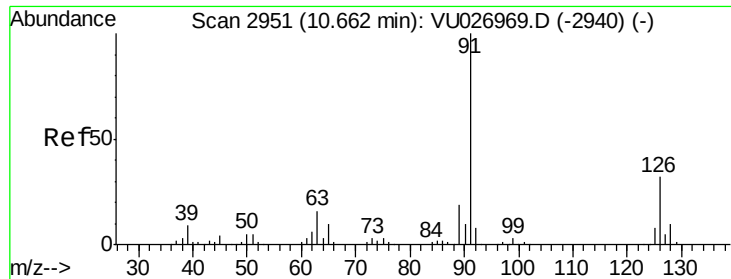
120 20.7 10.6 31.8



Abundance Ion 91.00 (90.70 to 91.70): VU0

Ion 120.00 (119.70 to 120.70): V

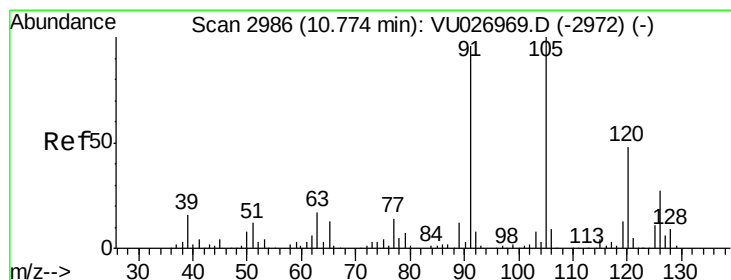
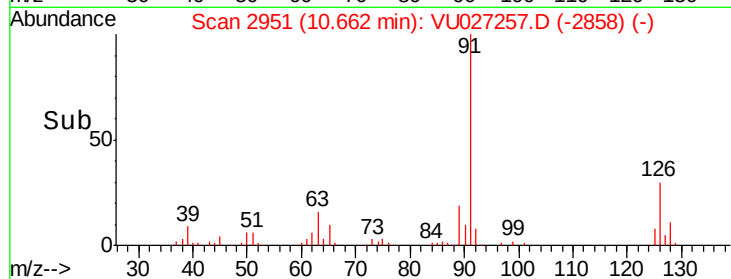
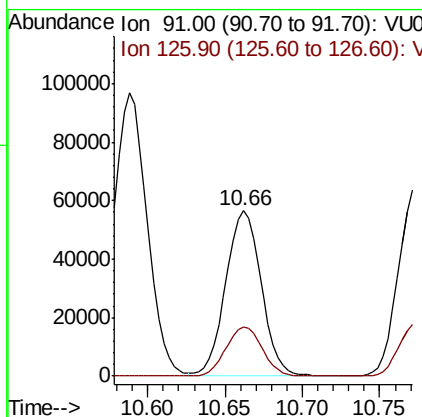
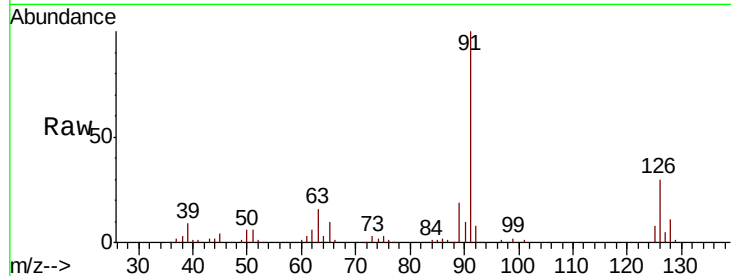




#79
 2-Chlorotoluene
 Concen: 22.305 ug/l
 RT: 10.66 min Scan# 2951
 Delta R.T. 0.00 min
 Lab File: VU027257.D
 Acq: 28 Sep 2018 09:39

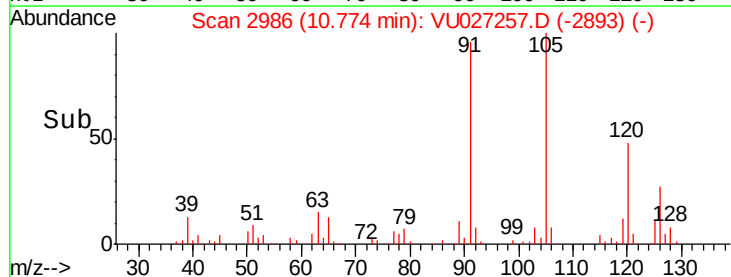
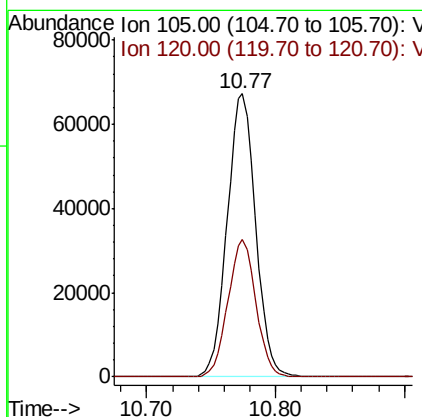
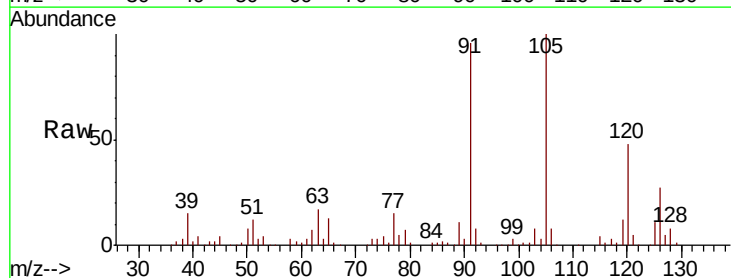
Instrument :
 MSVOA_U
 ClientSampleId :
 VU0928WBS02

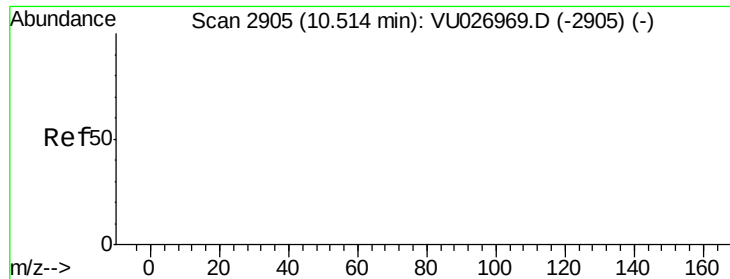
Tot Ion: 91 Resp: 90190
 Ion Ratio Lower Upper
 91 100
 126 30.3 15.8 47.3



#80
 1,3,5-Trimethylbenzene
 Concen: 22.865 ug/l
 RT: 10.77 min Scan# 2986
 Delta R.T. 0.00 min
 Lab File: VU027257.D
 Acq: 28 Sep 2018 09:39

Tgt Ion: 105 Resp: 102688
 Ion Ratio Lower Upper
 105 100
 120 47.8 23.9 71.7

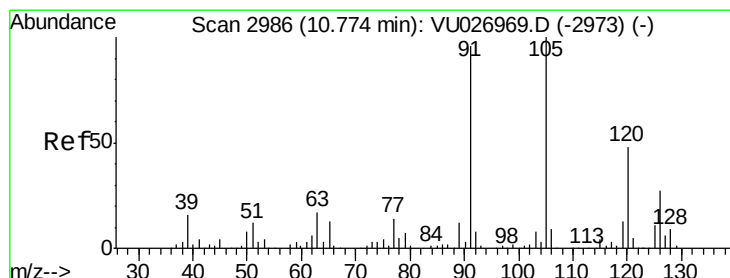
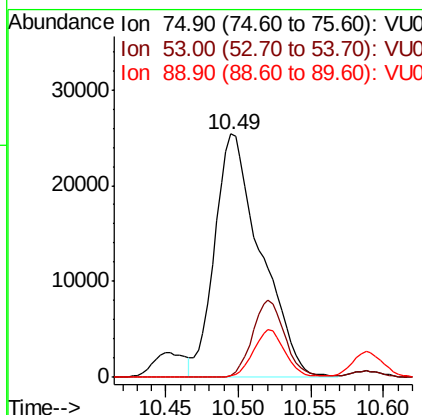
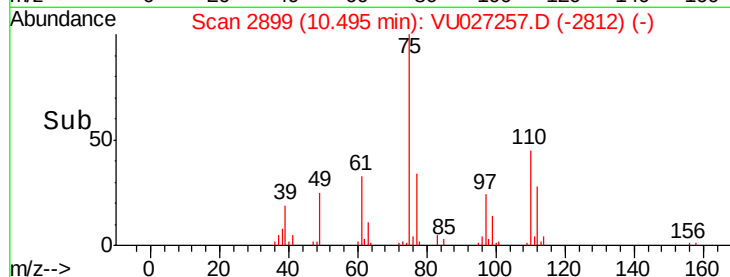
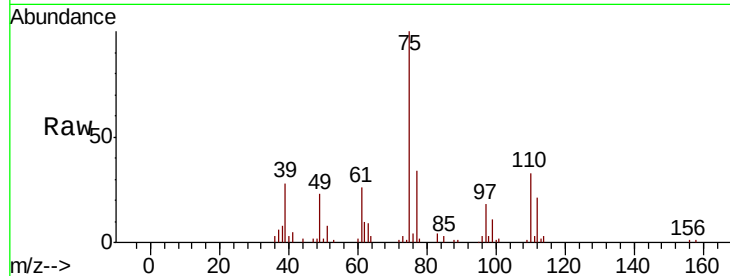




#81
trans-1,4-Dichloro-2-butene
Concen: 83.082 ug/l
RT: 10.49 min Scan# 2899
Delta R.T. -0.02 min
Lab File: VU027257.D
Acq: 28 Sep 2018 09:39

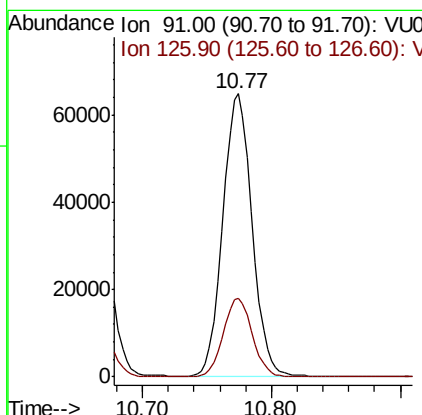
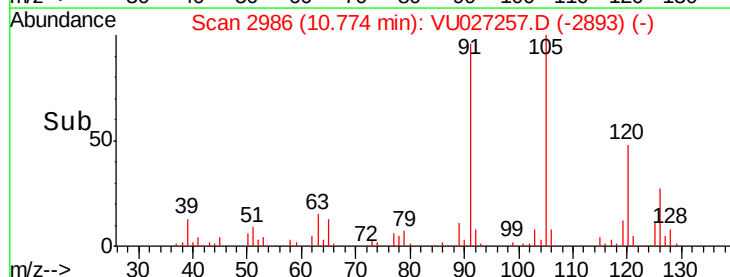
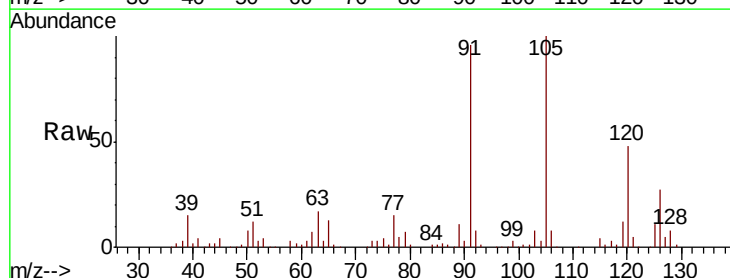
Instrument :
MSVOA_U
ClientSampleId :
VU0928WBS02

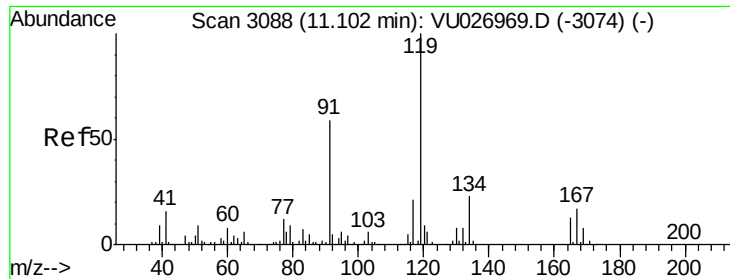
Tot Ion: 75 Resp: 56410
Ion Ratio Lower Upper
75 100
53 0.0 0.0 0.0
89 0.0 0.0 0.0



#82
4-Chlorotoluene
Concen: 22.537 ug/l
RT: 10.77 min Scan# 2986
Delta R.T. 0.00 min
Lab File: VU027257.D
Acq: 28 Sep 2018 09:39

Tgt Ion: 91 Resp: 102182
Ion Ratio Lower Upper
91 100
126 27.4 14.1 42.2

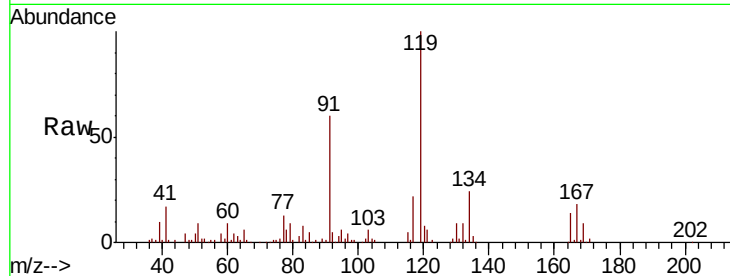




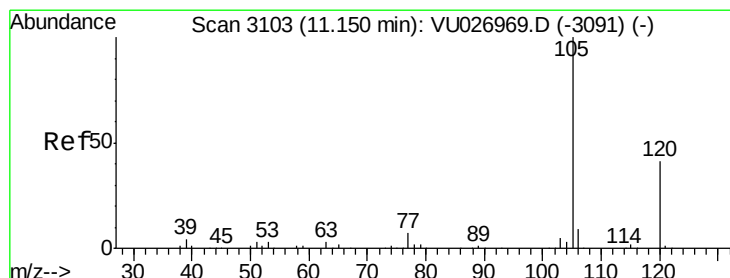
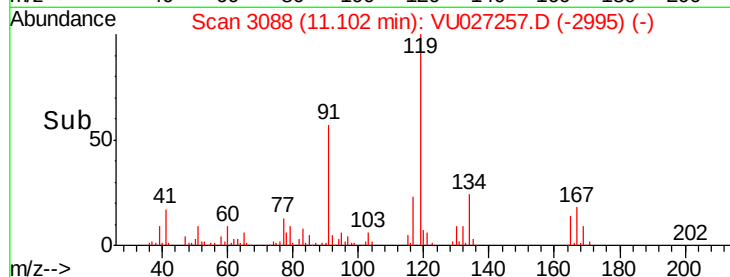
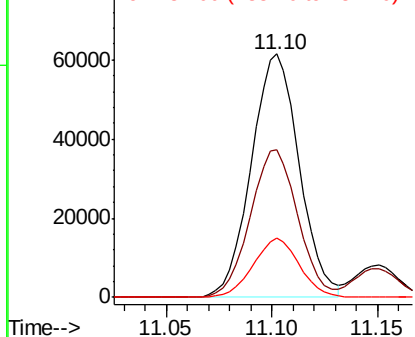
#83
 tert-Butylbenzene
 Concen: 21.901 ug/l
 RT: 11.10 min Scan# 3088
 Delta R.T. 0.00 min
 Lab File: VU027257.D
 Acq: 28 Sep 2018 09:39

Instrument :
 MSVOA_U
 ClientSampleId :
 VU0928WBS02

Tot Ion:119 Resp: 97244
 Ion Ratio Lower Upper
 119 100
 91 59.9 29.8 89.4
 134 23.3 11.5 34.4

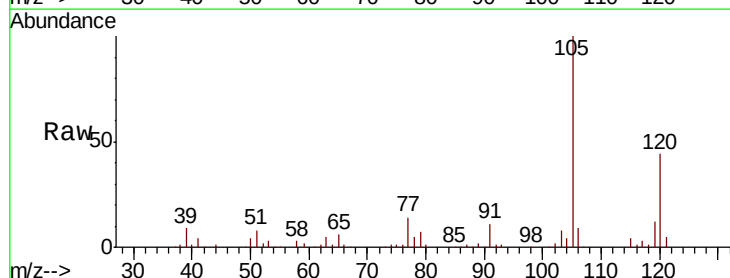


Abundance Ion 119.00 (118.70 to 119.70): V
 Ion 91.00 (90.70 to 91.70): VU0
 Ion 134.00 (133.70 to 134.70): V

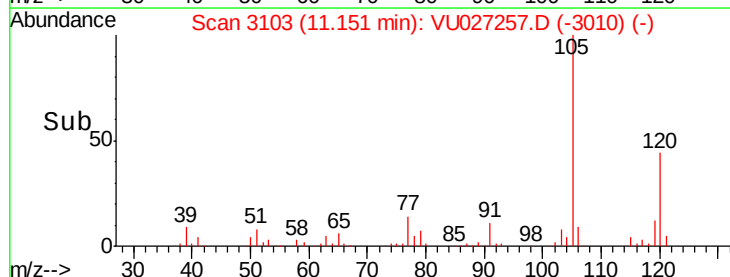
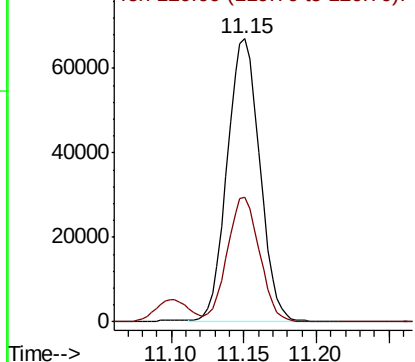


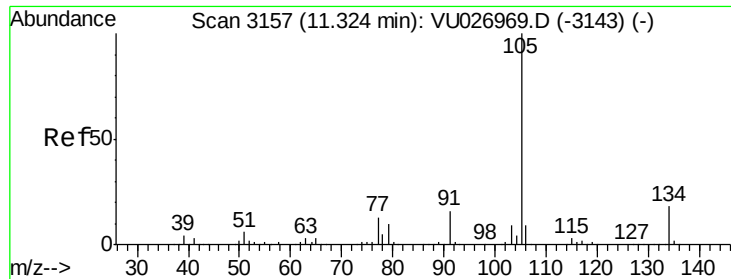
#84
 1,2,4-Trimethylbenzene
 Concen: 23.005 ug/l
 RT: 11.15 min Scan# 3103
 Delta R.T. 0.00 min
 Lab File: VU027257.D
 Acq: 28 Sep 2018 09:39

Tgt Ion:105 Resp: 105145
 Ion Ratio Lower Upper
 105 100
 120 43.6 22.4 67.2



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

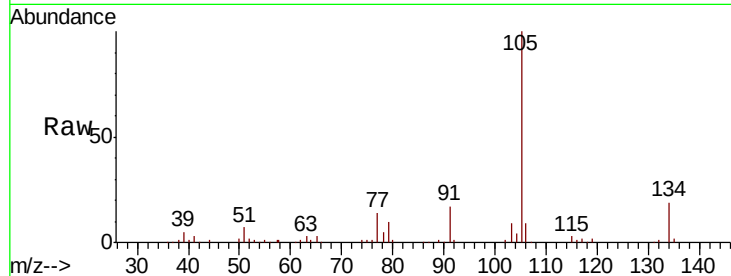




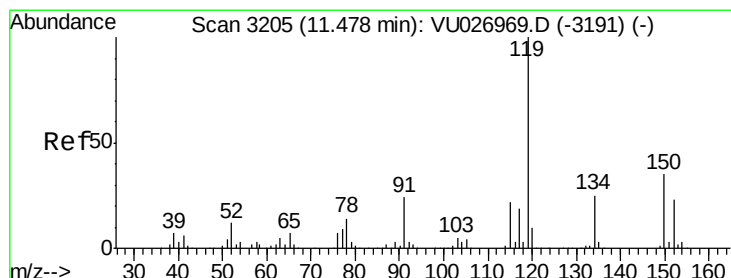
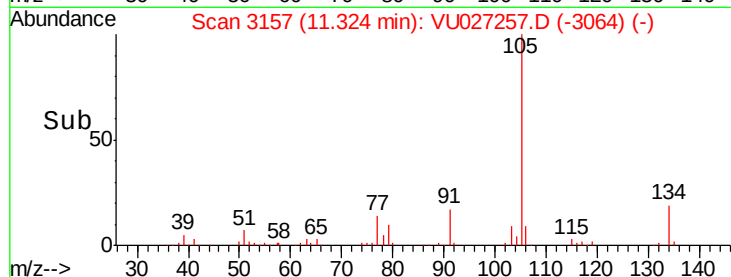
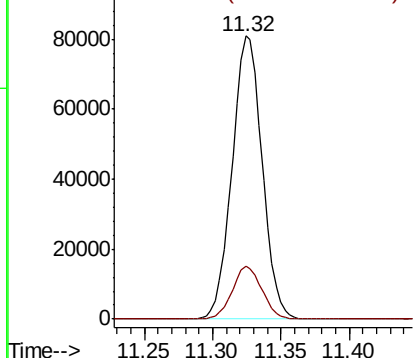
#85
 sec-Butylbenzene
 Concen: 22.865 ug/l
 RT: 11.32 min Scan# 3157
 Delta R.T. 0.00 min
 Lab File: VU027257.D
 Acq: 28 Sep 2018 09:39

Instrument :
 MSVOA_U
 ClientSampleId :
 VU0928WBS02

Tot Ion:105 Resp: 123930
 Ion Ratio Lower Upper
 105 100
 134 18.4 9.4 28.2

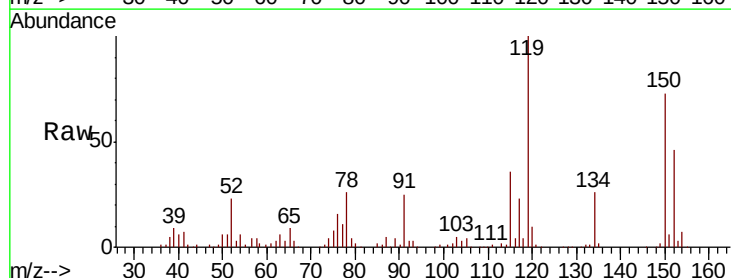


Abundance Ion 105.00 (104.70 to 105.70): V
 Ion 134.00 (133.70 to 134.70): V

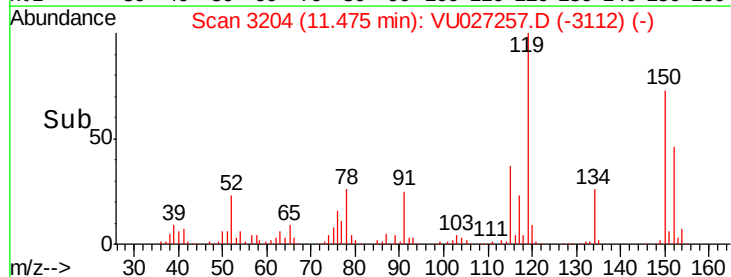
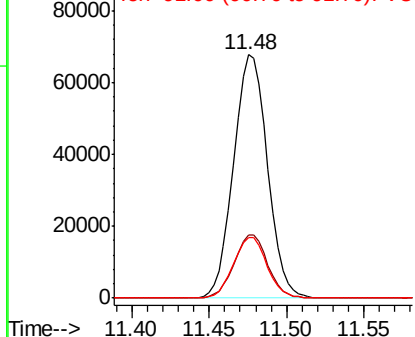


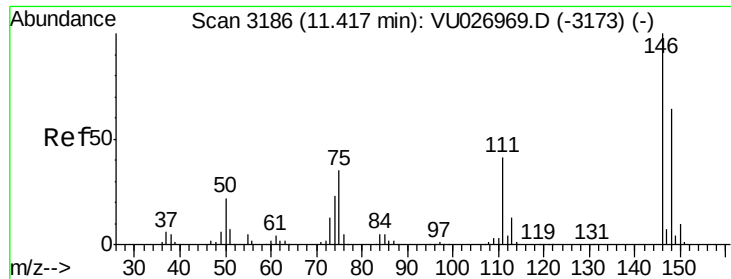
#86
 p-Isopropyltoluene
 Concen: 20.818 ug/l
 RT: 11.48 min Scan# 3204
 Delta R.T. -0.00 min
 Lab File: VU027257.D
 Acq: 28 Sep 2018 09:39

Tgt Ion:119 Resp: 103070
 Ion Ratio Lower Upper
 119 100
 134 25.7 12.8 38.3
 91 24.8 12.3 36.8



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

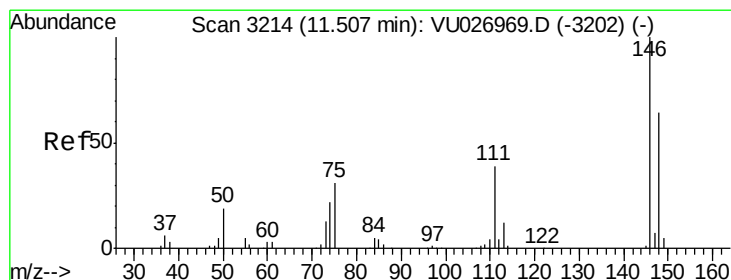
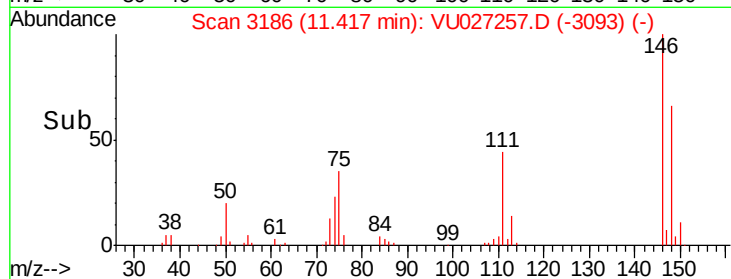
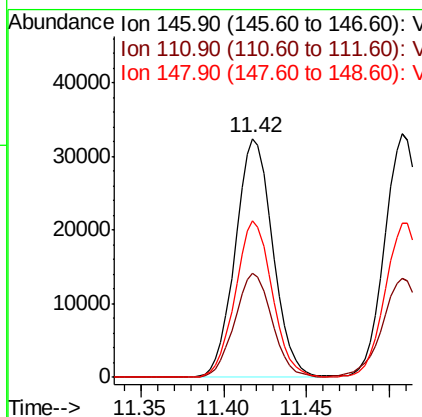
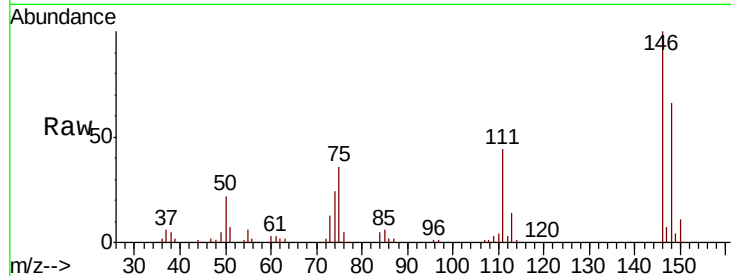




#87
 1,3-Dichlorobenzene
 Concen: 20.617 ug/l
 RT: 11.42 min Scan# 3186
 Delta R.T. 0.00 min
 Lab File: VU027257.D
 Acq: 28 Sep 2018 09:39

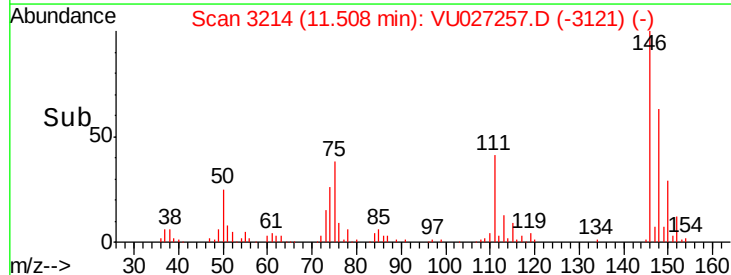
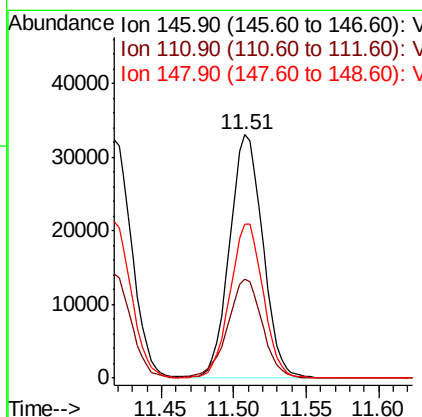
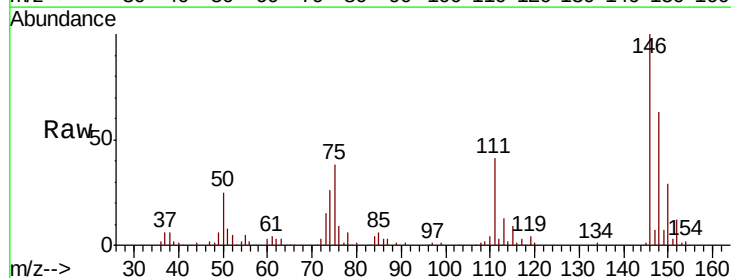
Instrument :
 MSVOA_U
 ClientSampleId :
 VU0928WBS02

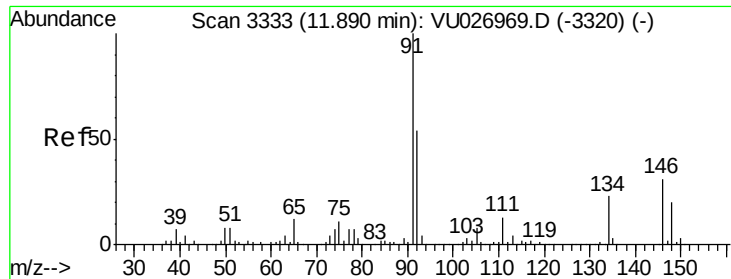
Tot Ion:146 Resp: 51007
 Ion Ratio Lower Upper
 146 100
 111 43.2 20.8 62.2
 148 64.7 32.0 96.2



#88
 1,4-Dichlorobenzene
 Concen: 19.508 ug/l
 RT: 11.51 min Scan# 3214
 Delta R.T. 0.00 min
 Lab File: VU027257.D
 Acq: 28 Sep 2018 09:39

Tgt Ion:146 Resp: 52603
 Ion Ratio Lower Upper
 146 100
 111 42.5 20.3 60.9
 148 63.4 31.9 95.9

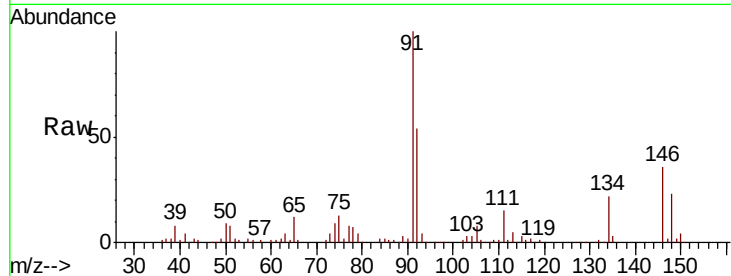




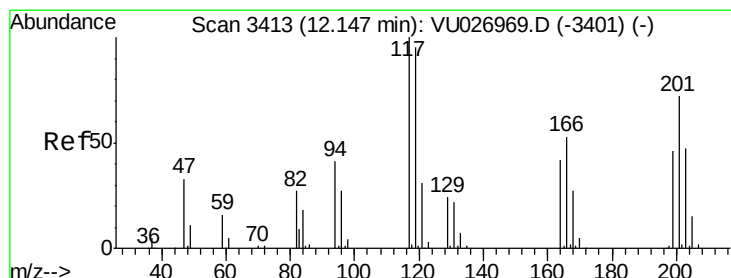
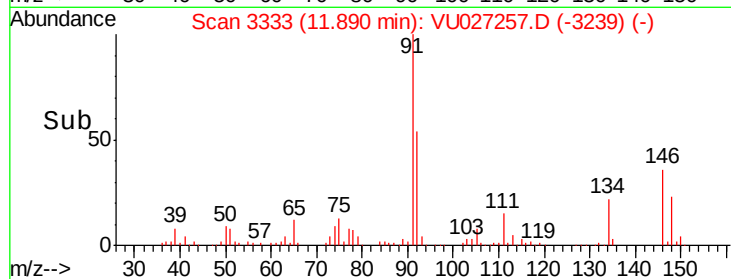
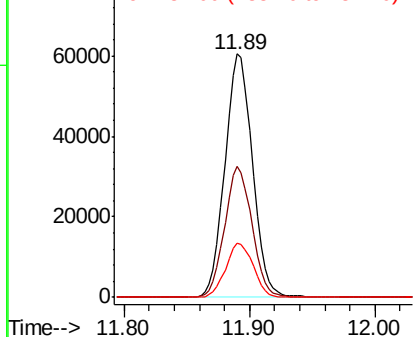
#89
n-Butylbenzene
Concen: 20.168 ug/l
RT: 11.89 min Scan# 3333
Delta R.T. 0.00 min
Lab File: VU027257.D
Acq: 28 Sep 2018 09:39

Instrument :
MSVOA_U
ClientSampleId :
VU0928WBS02

Tot Ion: 91 Resp: 92041
Ion Ratio Lower Upper
91 100
92 53.2 27.1 81.2
134 22.2 11.7 35.0

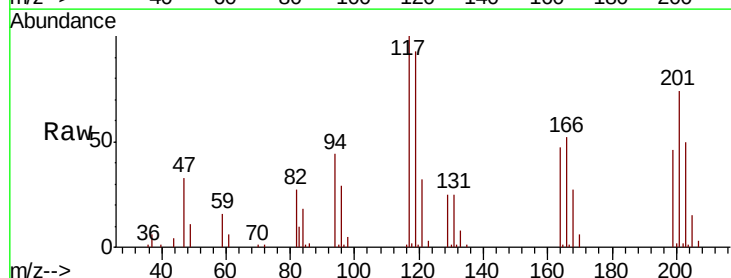


Abundance Ion 91.00 (90.70 to 91.70): VU0
Ion 92.00 (91.70 to 92.70): VU0
Ion 134.00 (133.70 to 134.70): V

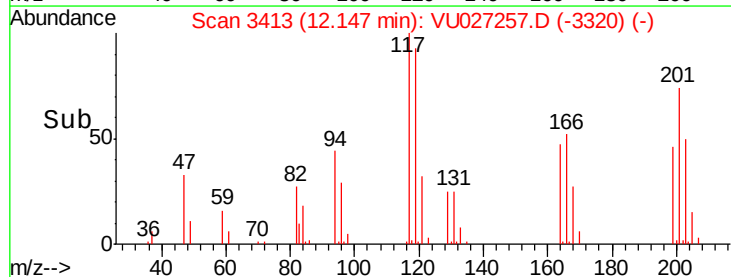
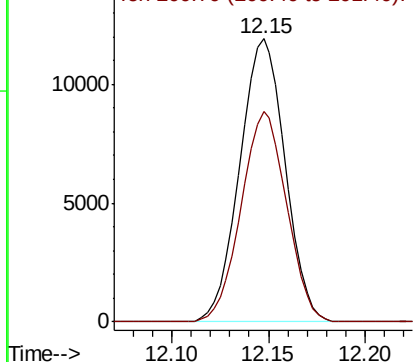


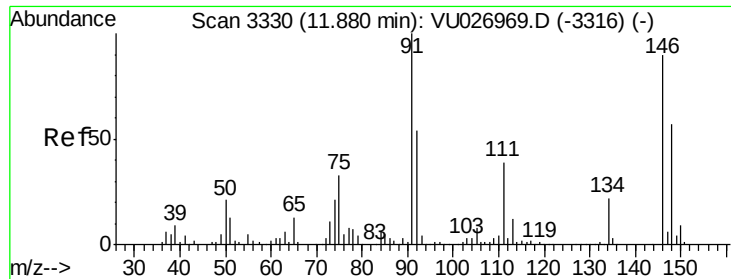
#90
Hexachloroethane
Concen: 19.713 ug/l
RT: 12.15 min Scan# 3413
Delta R.T. 0.00 min
Lab File: VU027257.D
Acq: 28 Sep 2018 09:39

Tgt Ion: 117 Resp: 19430
Ion Ratio Lower Upper
117 100
201 74.2 36.8 110.3



Abundance Ion 116.80 (116.50 to 117.50): V
Ion 200.70 (200.40 to 201.40): V

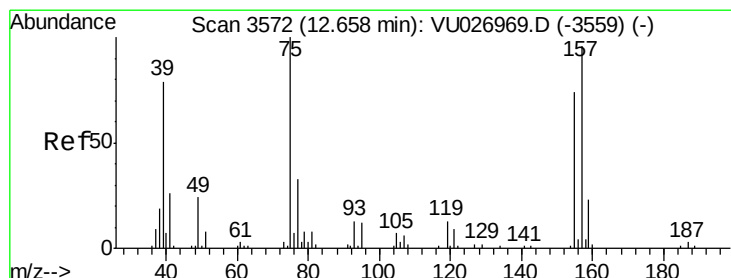
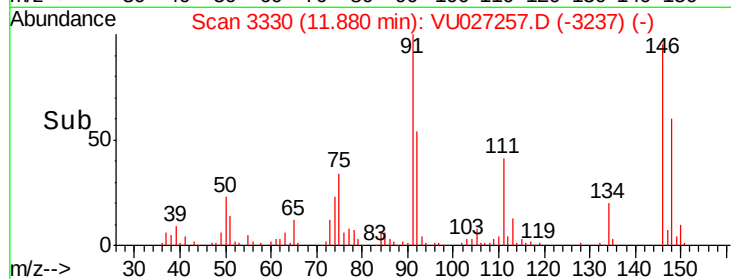
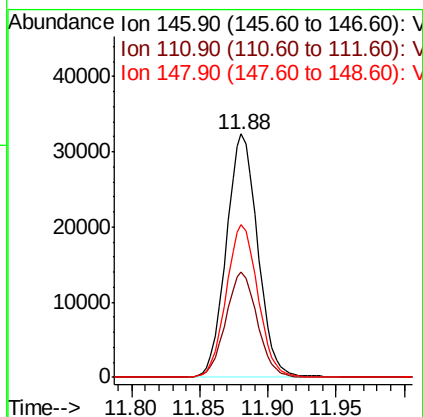
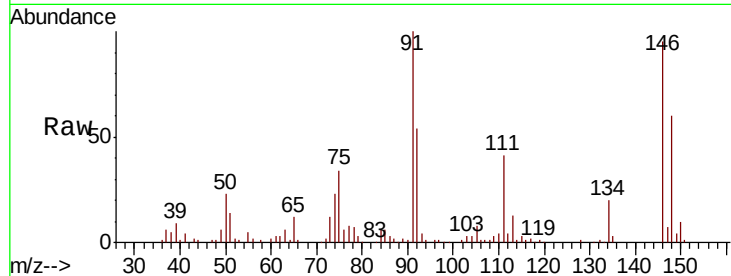




#91
 1,2-Dichlorobenzene
 Concen: 19.703 ug/l
 RT: 11.88 min Scan# 3330
 Delta R.T. 0.00 min
 Lab File: VU027257.D
 Acq: 28 Sep 2018 09:39

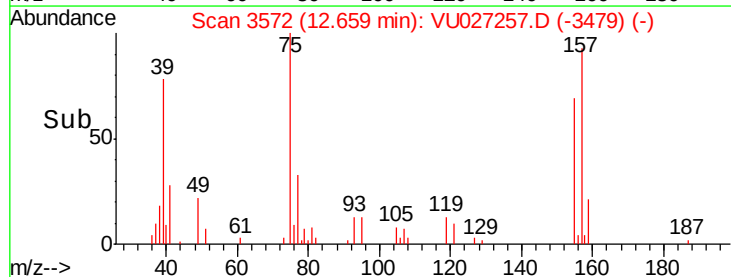
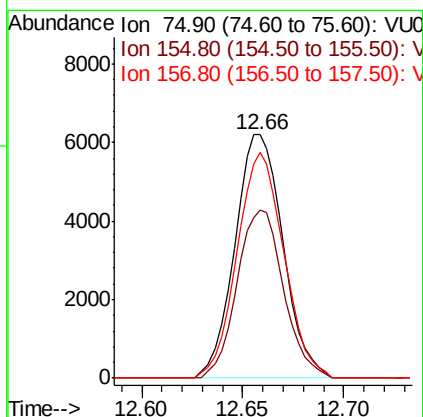
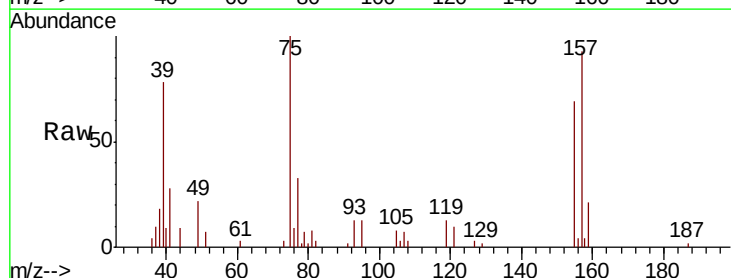
Instrument :
 MSVOA_U
 ClientSampleId :
 VU0928WBS02

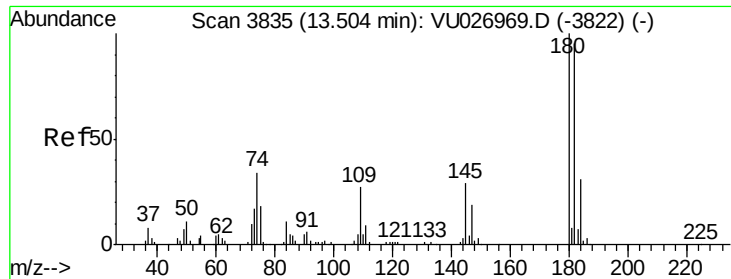
Tot Ion:146 Resp: 51780
 Ion Ratio Lower Upper
 146 100
 111 43.2 21.8 65.3
 148 63.5 31.9 95.7



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 20.300 ug/l
 RT: 12.66 min Scan# 3572
 Delta R.T. 0.00 min
 Lab File: VU027257.D
 Acq: 28 Sep 2018 09:39

Tgt Ion: 75 Resp: 10359
 Ion Ratio Lower Upper
 75 100
 155 66.6 36.6 109.8
 157 90.2 47.4 142.2

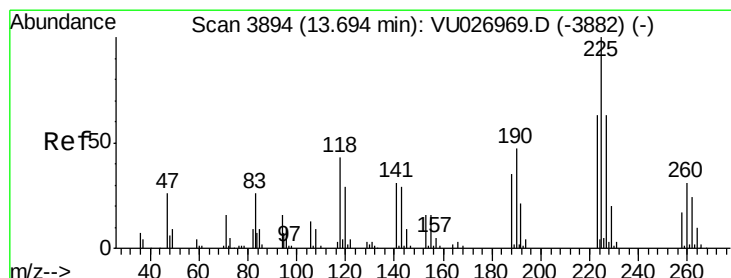
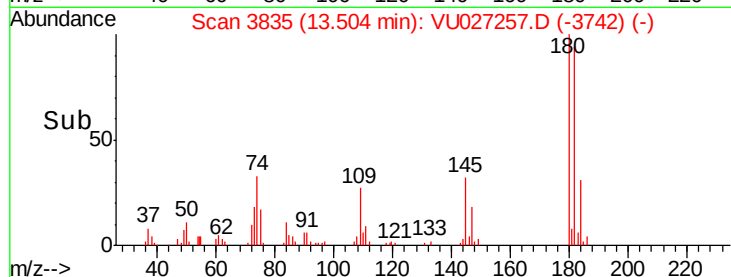
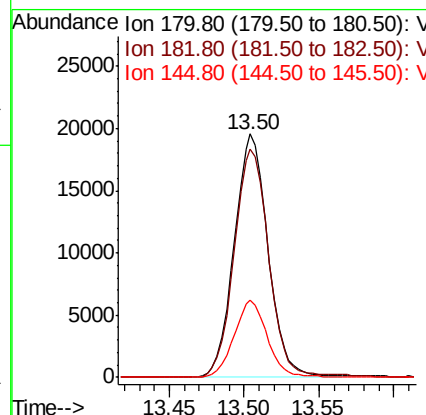
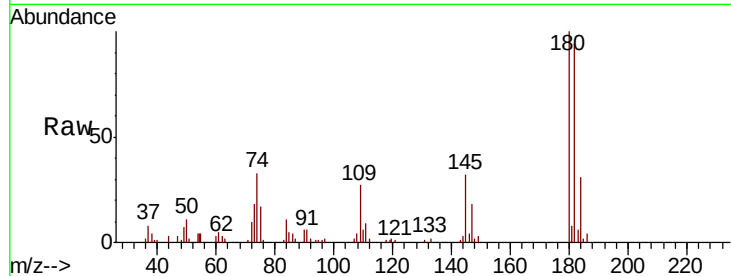




#93
 1,2,4-Trichlorobenzene
 Concen: 20.305 ug/l
 RT: 13.50 min Scan# 3835
 Delta R.T. 0.00 min
 Lab File: VU027257.D
 Acq: 28 Sep 2018 09:39

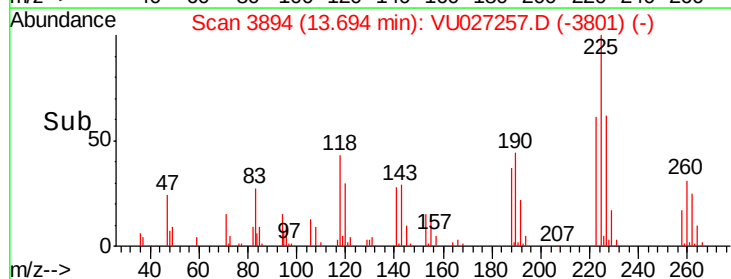
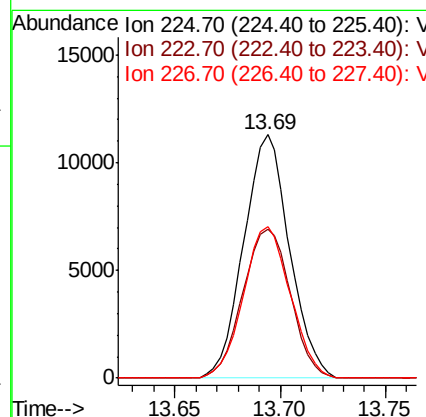
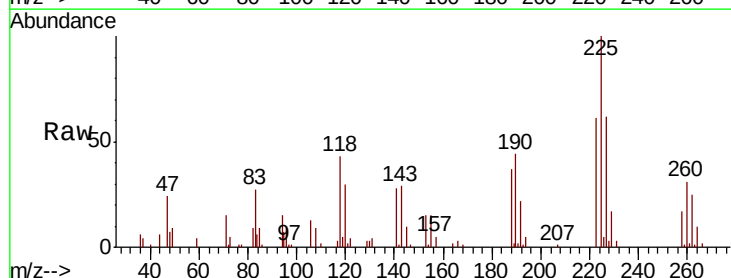
Instrument :
 MSVOA_U
 ClientSampleId :
 VU0928WBS02

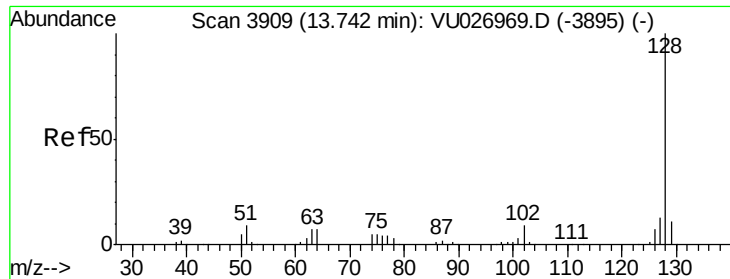
Tot Ion	Ratio	Lower	Upper
180	100		
182	96.6	47.4	142.2
145	31.1	14.9	44.5



#94
 Hexachlorobutadiene
 Concen: 21.355 ug/l
 RT: 13.69 min Scan# 3894
 Delta R.T. 0.00 min
 Lab File: VU027257.D
 Acq: 28 Sep 2018 09:39

Tgt Ion	Ratio	Lower	Upper
225	100		
223	63.7	31.9	95.7
227	63.4	32.1	96.5

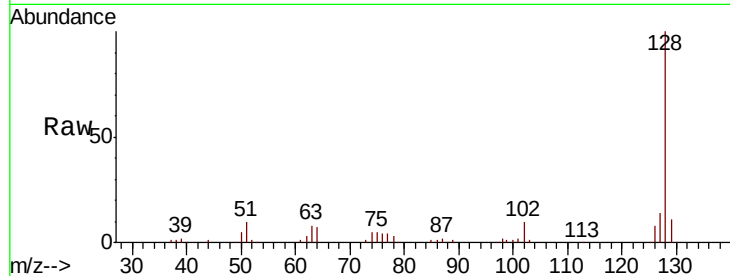




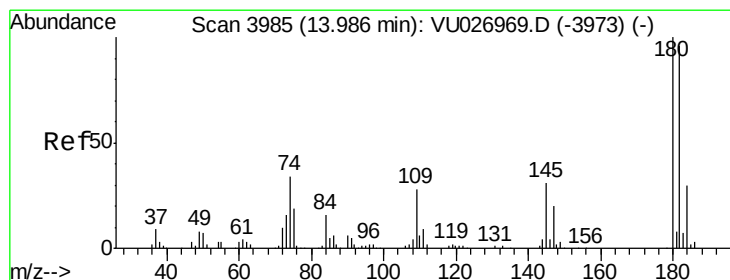
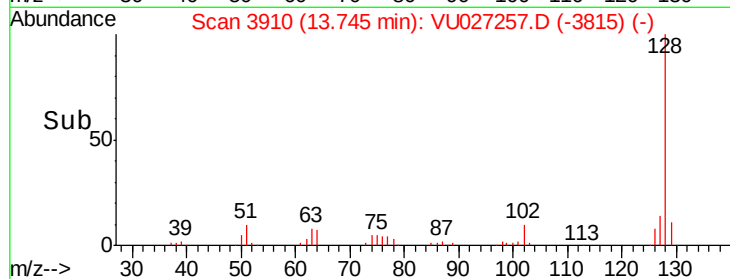
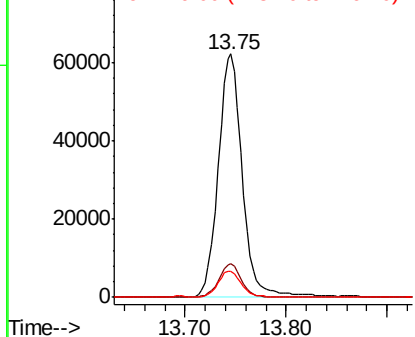
#95
Naphthalene
Concen: 18.607 ug/l
RT: 13.75 min Scan# 3910
Delta R.T. 0.00 min
Lab File: VU027257.D
Acq: 28 Sep 2018 09:39

Instrument :
MSVOA_U
ClientSampleId :
VU0928WBS02

Tot Ion:128 Resp: 103680
Ion Ratio Lower Upper
128 100
127 12.8 10.6 15.8
129 10.7 8.6 12.8

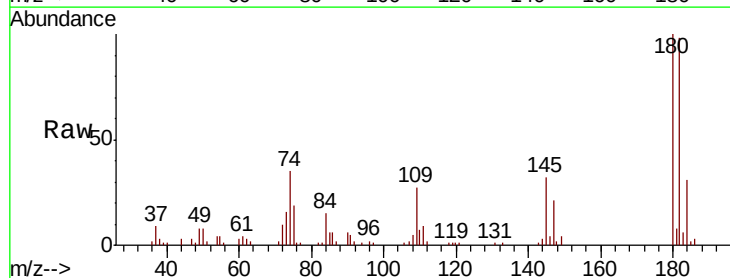


Abundance Ion 128.00 (127.70 to 128.70): V
Ion 127.00 (126.70 to 127.70): V
Ion 129.00 (128.70 to 129.70): V



#96
1,2,3-Trichlorobenzene
Concen: 20.563 ug/l
RT: 13.99 min Scan# 3986
Delta R.T. 0.00 min
Lab File: VU027257.D
Acq: 28 Sep 2018 09:39

Tgt Ion:180 Resp: 33396
Ion Ratio Lower Upper
180 100
182 94.1 47.5 142.5
145 30.9 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

