

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU092218\
 Data File : VU026971.D
 Acq On : 21 Sep 2018 16:24
 Operator : MD/SY
 Sample : VSTDICC150
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDICC150

Quant Time: Sep 22 00:48:24 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\82U092218W.M
 Quant Title : SW846 8260
 QLast Update : Sat Sep 22 00:44:52 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.98	168	94937	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.89	114	159832	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.09	117	158904	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.48	152	94469	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.31	65	273451	178.09	ug/l	0.00
Spiked Amount	50.000		Recovery	=	356.18%	
35) Dibromofluoromethane	4.88	113	200141	150.82	ug/l	0.00
Spiked Amount	50.000		Recovery	=	301.64%	
50) Toluene-d8	7.57	98	791422	159.86	ug/l	0.00
Spiked Amount	50.000		Recovery	=	319.72%	
62) 4-Bromofluorobenzene	10.31	95	304366	171.46	ug/l	0.00
Spiked Amount	50.000		Recovery	=	342.92%	

Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.20	85	171727	162.221	ug/l	97
3) Chloromethane	1.33	50	287219	186.777	ug/l	100
4) Vinyl Chloride	1.40	62	282273	181.048	ug/l	99
5) Bromomethane	1.60	94	180557	188.776	ug/l	96
6) Chloroethane	1.67	64	170970	171.626	ug/l	100
7) Trichlorofluoromethane	1.87	101	314868	158.566	ug/l	98
8) Diethyl Ether	2.10	74	156469	175.702	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	2.28	101	191078	161.327	ug/l	100
10) Methyl Iodide	2.40	142	263813	255.186	ug/l	99
11) Tert butyl alcohol	2.85	59	325238	879.650	ug/l	99
12) 1,1-Dichloroethene	2.28	96	186063	165.708	ug/l	99
13) Acrolein	2.20	56	180990	752.392	ug/l	100
14) Allyl chloride	2.59	41	437446	209.033	ug/l	90
15) Acrylonitrile	2.94	53	806901	996.939	ug/l	99
16) Acetone	2.32	43	708808	821.197	ug/l	100
17) Carbon Disulfide	2.47	76	611862	170.136	ug/l	99
18) Methyl Acetate	2.62	43	387910	202.474	ug/l	99
19) Methyl tert-butyl Ether	3.00	73	727107	184.550	ug/l	100
20) Methylene Chloride	2.70	84	229108	166.801	ug/l	99
21) trans-1,2-Dichloroethene	2.98	96	204287	171.389	ug/l	98
22) Diisopropyl ether	3.58	45	872706	199.143	ug/l	95
23) Vinyl Acetate	3.53	43	3808532	1023.746	ug/l	100
24) 1,1-Dichloroethane	3.44	63	451113	184.844	ug/l	99
25) 2-Butanone	4.27	43	1154760	980.434	ug/l	99
26) 2,2-Dichloropropane	4.23	77	345844	174.471	ug/l	100
27) cis-1,2-Dichloroethene	4.22	96	236059	172.958	ug/l	100
28) Bromochloromethane	4.55	49	228792	194.598	ug/l	100
29) Tetrahydrofuran	4.64	42	738882	1030.526	ug/l	99
30) Chloroform	4.67	83	405605	170.924	ug/l	99
31) Cyclohexane	5.00	56	421032	167.293	ug/l	98
32) 1,1,1-Trichloroethane	4.92	97	341037	175.007	ug/l	98
36) 1,1-Dichloropropene	5.14	75	320372	173.584	ug/l	99
37) Ethyl Acetate	4.38	43	419376	183.989	ug/l	99
38) Carbon Tetrachloride	5.13	117	288009	150.009	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	6.42	83	392103	180.373	ug/l	99
40) Benzene	5.39	78	942722	165.144	ug/l	100
41) Methacrylonitrile	4.54	41	237453	199.905	ug/l	99
42) 1,2-Dichloroethane	5.40	62	350045	169.157	ug/l	100
43) Isopropyl Acetate	5.55	43	667736	193.910	ug/l	100
44) Trichloroethene	6.19	130	209111	151.517	ug/l	99
45) 1,2-Dichloropropane	6.43	63	273674	174.739	ug/l	98
46) Dibromomethane	6.56	93	161291	162.276	ug/l	100
47) Bromodichloromethane	6.76	83	326481	165.852	ug/l	98
48) Methyl methacrylate	6.62	41	346383	203.003	ug/l	98
49) 1,4-Dioxane	6.62	88	135196	3526.051	ug/l	99
51) 4-Methyl-2-Pentanone	7.47	43	2273772	978.886	ug/l	98
52) Toluene	7.64	92	574644	168.479	ug/l	99
53) t-1,3-Dichloropropene	7.88	75	403585	183.864	ug/l	100
54) cis-1,3-Dichloropropene	7.27	75	420915	177.864	ug/l	98
55) 1,1,2-Trichloroethane	8.07	97	231526	159.588	ug/l	100
56) Ethyl methacrylate	8.02	69	423681	198.196	ug/l	99
57) 1,3-Dichloropropane	8.24	76	444593	176.621	ug/l	100
58) 2-Chloroethyl Vinyl ether	7.13	63	1169103	1067.033	ug/l	100
59) 2-Hexanone	8.37	43	1787289	983.145	ug/l	98
60) Dibromochloromethane	8.48	129	241080	156.698	ug/l	99
61) 1,2-Dibromoethane	8.59	107	247431	157.836	ug/l	100
64) Tetrachloroethene	8.23	164	175699	140.646	ug/l	98
65) Chlorobenzene	9.12	112	612746	154.999	ug/l	99
66) 1,1,1,2-Tetrachloroethane	9.21	131	218444	150.820	ug/l	99
67) Ethyl Benzene	9.25	91	1132389	172.175	ug/l	99
68) m/p-Xylenes	9.38	106	843897	339.323	ug/l	99
69) o-Xylene	9.78	106	409953	169.952	ug/l	100
70) Styrene	9.79	104	704872	178.279	ug/l	99
71) Bromoform	9.96	173	188401	152.814	ug/l #	100
73) Isopropylbenzene	10.17	105	1112696	168.721	ug/l	100
74) N-amyl acetate	10.02	43	664680	206.672	ug/l	99
75) 1,1,2,2-Tetrachloroethane	10.46	83	439761	161.775	ug/l	100
76) 1,2,3-Trichloropropane	10.50	75	539070	243.725	ug/l	81
77) Bromobenzene	10.46	156	257982	146.885	ug/l	97
78) n-propylbenzene	10.59	91	1373682	178.053	ug/l	100
79) 2-Chlorotoluene	10.66	91	794407	166.411	ug/l	100
80) 1,3,5-Trimethylbenzene	10.77	105	952250	172.107	ug/l	100
81) trans-1,4-Dichloro-2-buten	10.50	75	539070	712.286	ug/l #	100
82) 4-Chlorotoluene	10.77	91	941904	175.683	ug/l	100
83) tert-Butylbenzene	11.10	119	924753	166.214	ug/l	100
84) 1,2,4-Trimethylbenzene	11.15	105	975676	174.486	ug/l	100
85) sec-Butylbenzene	11.33	105	1178565	177.024	ug/l	100
86) p-Isopropyltoluene	11.48	119	1015885	176.010	ug/l	100
87) 1,3-Dichlorobenzene	11.42	146	492148	150.109	ug/l	100
88) 1,4-Dichlorobenzene	11.51	146	497200	145.731	ug/l	100
89) n-Butylbenzene	11.89	91	1011814	198.306	ug/l	99
90) Hexachloroethane	12.15	117	190800	163.730	ug/l	100
91) 1,2-Dichlorobenzene	11.88	146	490321	148.810	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	12.66	75	100233	183.948	ug/l	97

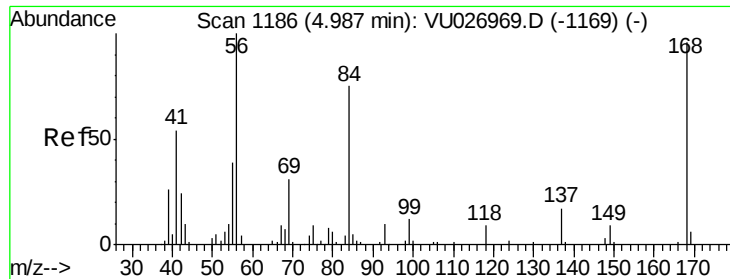
Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU092218\
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QLast Update : Sat Sep 22 00:44:52 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.50	180	345470	160.370	ug/l	99
94) Hexachlorobutadiene	13.69	225	161879	146.146	ug/l	99
95) Naphthalene	13.74	128	1192294	178.902	ug/l	100
96) 1,2,3-Trichlorobenzene	13.99	180	346641	153.307	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: VU026971.D

Acq: 21 Sep 2018 16:24

Instrument :

MSVOA_U

ClientSampleId :

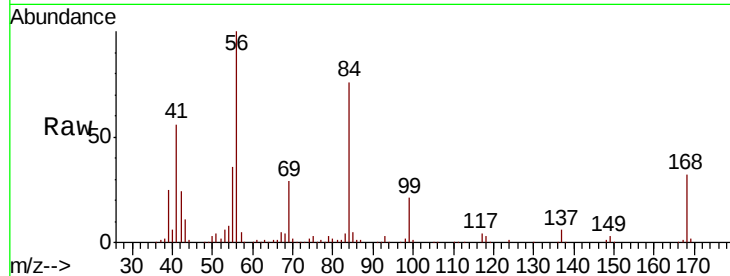
VSTDIC150

Tgt Ion:168 Resp: 94937

Ion Ratio Lower Upper

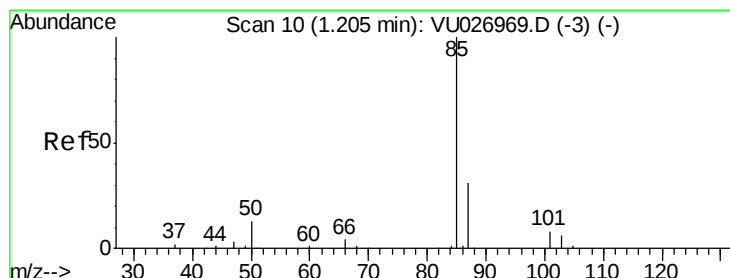
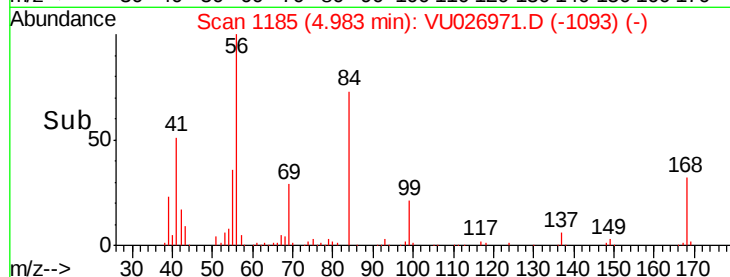
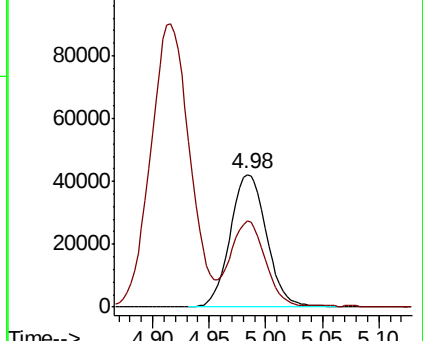
168 100

99 63.6 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) (-)



#2

Dichlorodifluoromethane

Concen: 162.221 ug/l

RT: 1.20 min Scan# 9

Delta R.T. -0.00 min

Lab File: VU026971.D

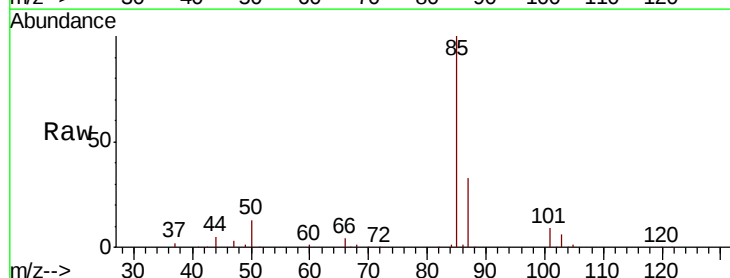
Acq: 21 Sep 2018 16:24

Tgt Ion: 85 Resp: 171727

Ion Ratio Lower Upper

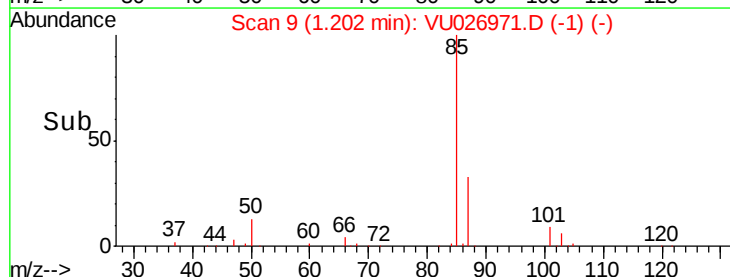
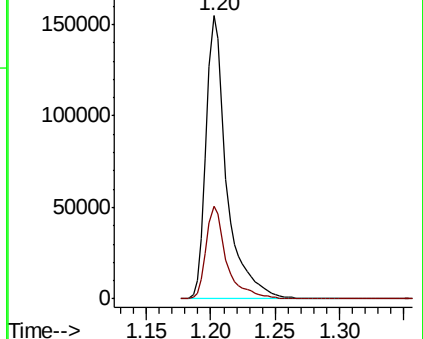
85 100

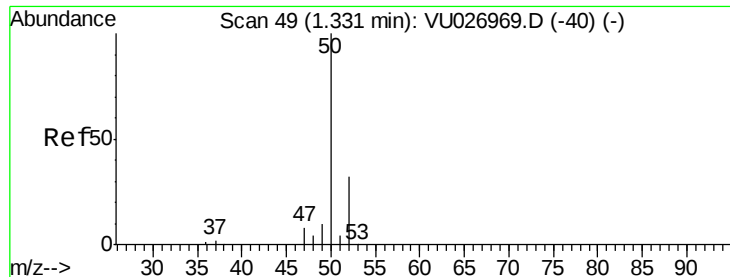
87 32.8 15.6 46.7



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

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





#3

Chloromethane

Concen: 186.777 ug/l

RT: 1.33 min Scan# 49

Delta R.T. -0.00 min

Lab File: VU026971.D

Acq: 21 Sep 2018 16:24

Instrument :

MSVOA_U

ClientSampleId :

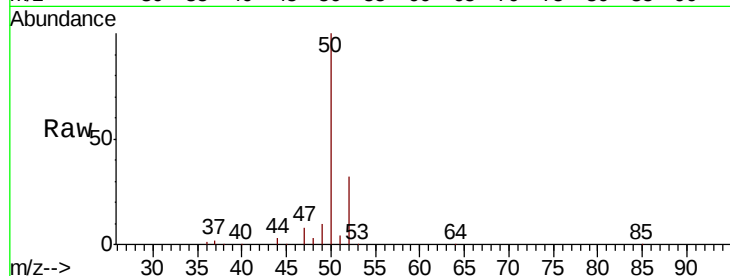
VSTDIC150

Tgt Ion: 50 Resp: 287219

Ion Ratio Lower Upper

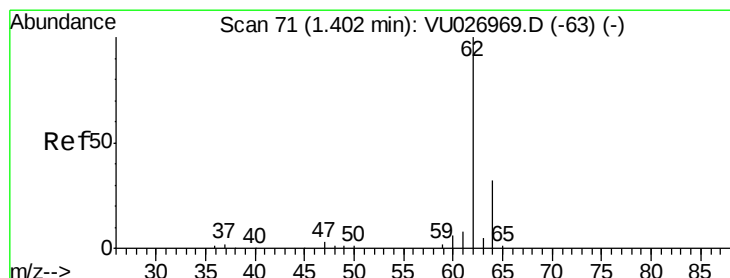
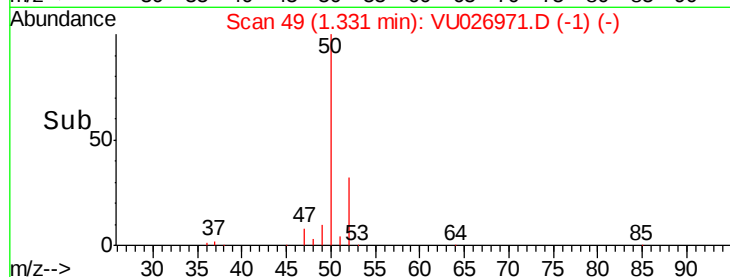
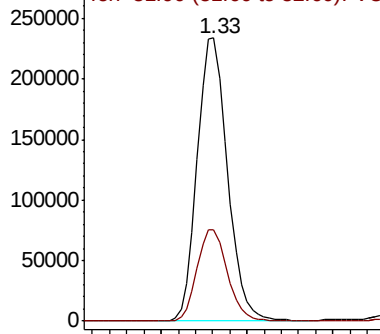
50 100

52 32.2 25.9 38.9



Abundance Ion 49.90 (49.60 to 50.60): VU0

Ion 51.90 (51.60 to 52.60): VU0



#4

Vinyl Chloride

Concen: 181.048 ug/l

RT: 1.40 min Scan# 71

Delta R.T. -0.00 min

Lab File: VU026971.D

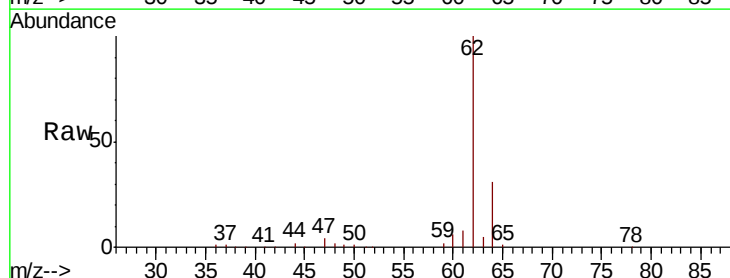
Acq: 21 Sep 2018 16:24

Tgt Ion: 62 Resp: 282273

Ion Ratio Lower Upper

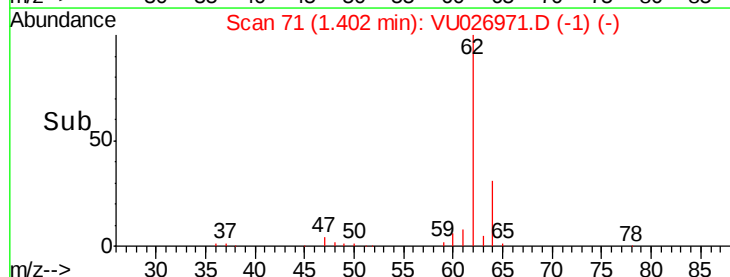
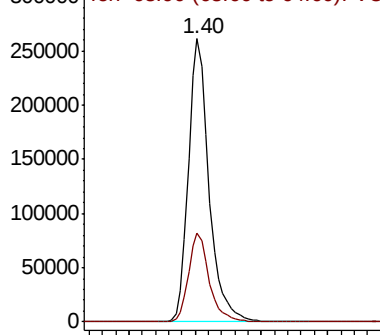
62 100

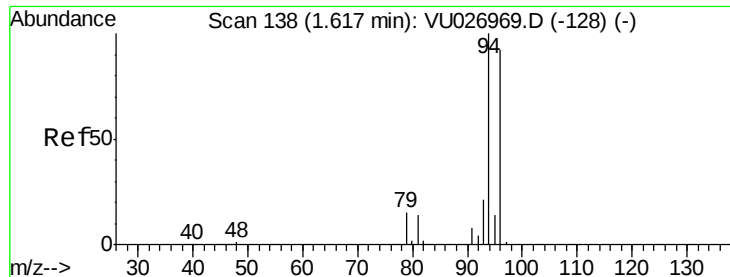
64 31.5 25.5 38.3



Abundance Ion 61.90 (61.60 to 62.60): VU0

Ion 63.90 (63.60 to 64.60): VU0





#5

Bromomethane

Concen: 188.776 ug/l

RT: 1.60 min Scan# 134

Delta R.T. -0.01 min

Lab File: VU026971.D

Acq: 21 Sep 2018 16:24

Instrument :

MSVOA_U

ClientSampleId :

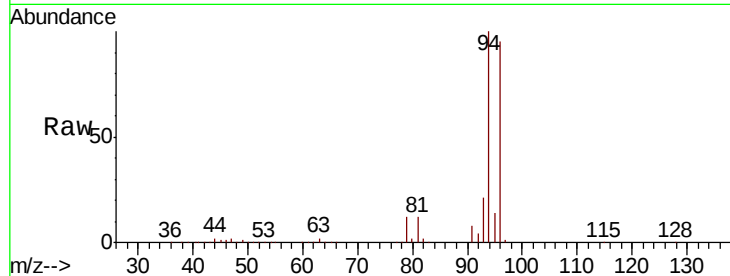
VSTDIC150

Tgt Ion: 94 Resp: 180557

Ion Ratio Lower Upper

94 100

96 94.9 73.2 109.8



Abundance Ion 93.90 (93.60 to 94.60): VU0

Ion 95.90 (95.60 to 96.60): VU0

1.60

200000

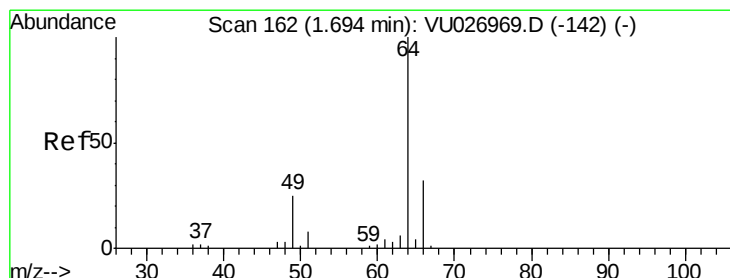
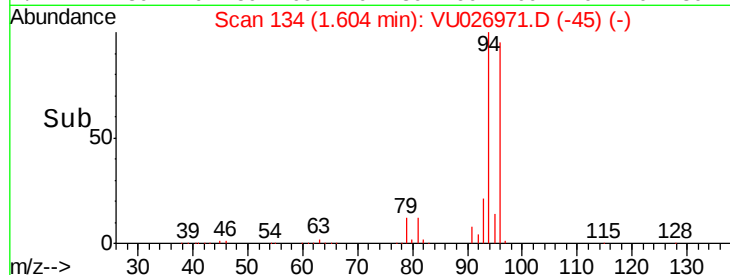
150000

100000

50000

0

Time-->



#6

Chloroethane

Concen: 171.626 ug/l

RT: 1.67 min Scan# 156

Delta R.T. -0.02 min

Lab File: VU026971.D

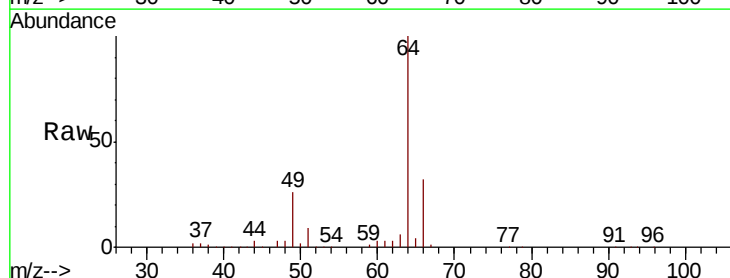
Acq: 21 Sep 2018 16:24

Tgt Ion: 64 Resp: 170970

Ion Ratio Lower Upper

64 100

66 31.7 25.3 37.9



Abundance Ion 63.90 (63.60 to 64.60): VU0

Ion 65.90 (65.60 to 66.60): VU0

1.67

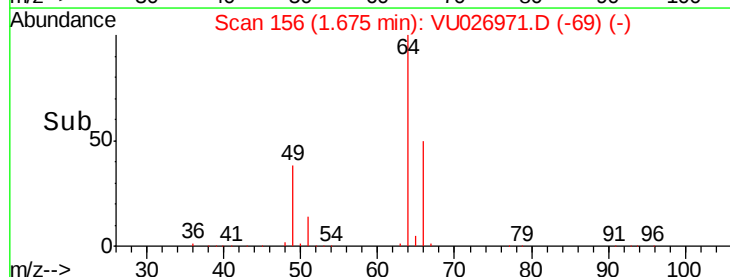
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Time-->



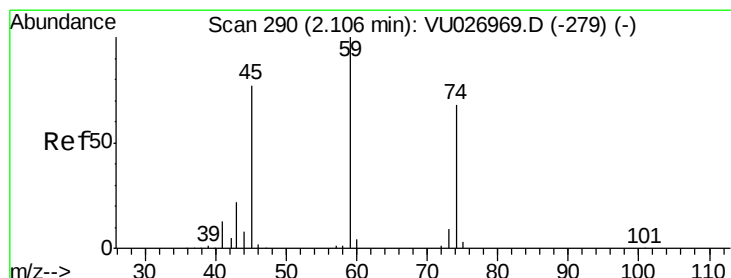
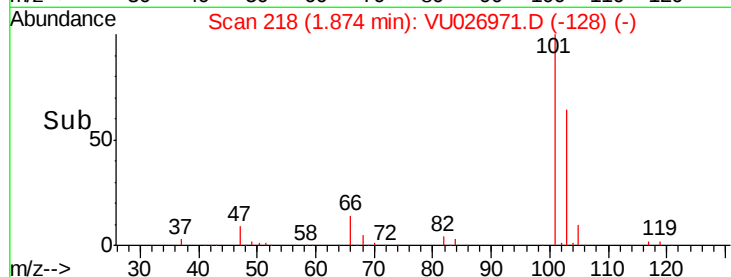
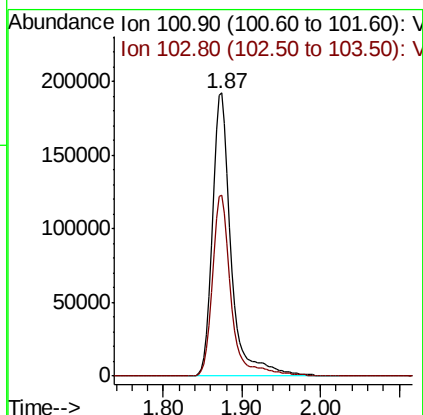
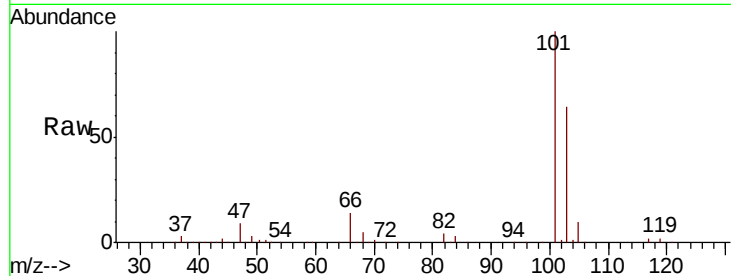


#7

Trichlorofluoromethane
 Concen: 158.566 ug/l
 RT: 1.87 min Scan# 218
 Delta R.T. -0.01 min
 Lab File: VU026971.D
 Acq: 21 Sep 2018 16:24

Instrument :
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 ClientSampleId :
 VSTDIC150

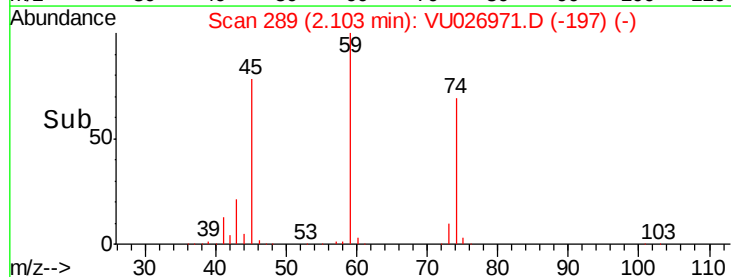
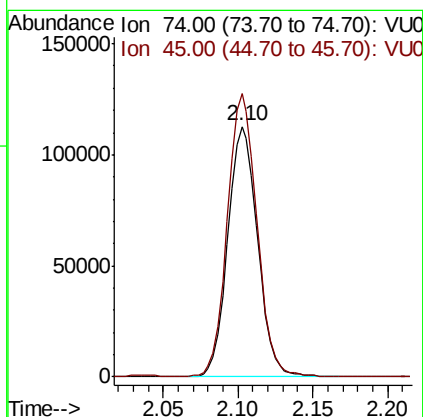
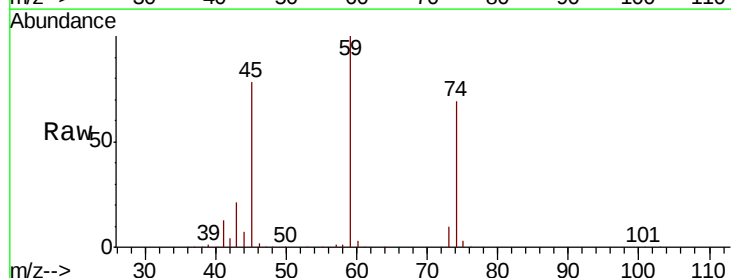
Tgt Ion: 101 Resp: 314868
 Ion Ratio Lower Upper
 101 100
 103 63.8 52.2 78.2

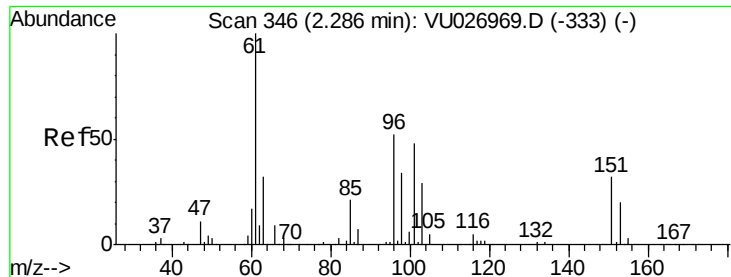


#8

Diethyl Ether
 Concen: 175.702 ug/l
 RT: 2.10 min Scan# 289
 Delta R.T. -0.00 min
 Lab File: VU026971.D
 Acq: 21 Sep 2018 16:24

Tgt Ion: 74 Resp: 156469
 Ion Ratio Lower Upper
 74 100
 45 111.7 56.9 170.7





#9

1,1,2-Trichlorotrifluoroethane

Concen: 161.327 ug/l

RT: 2.28 min Scan# 344

Delta R.T. -0.01 min

Lab File: VU026971.D

Acq: 21 Sep 2018 16:24

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC150

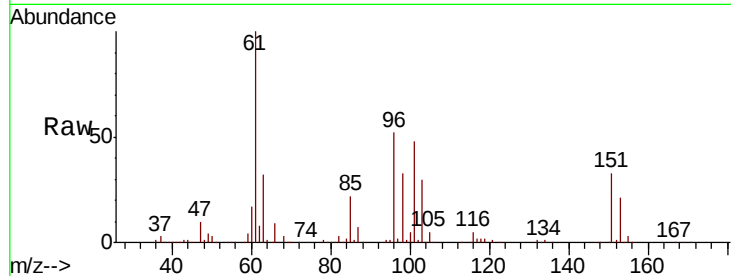
Tgt Ion:101 Resp: 191078

Ion Ratio Lower Upper

101 100

85 45.4 36.2 54.2

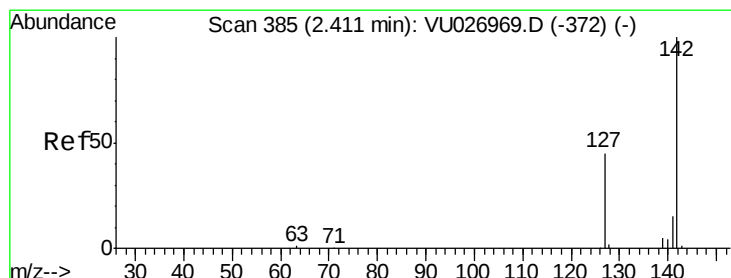
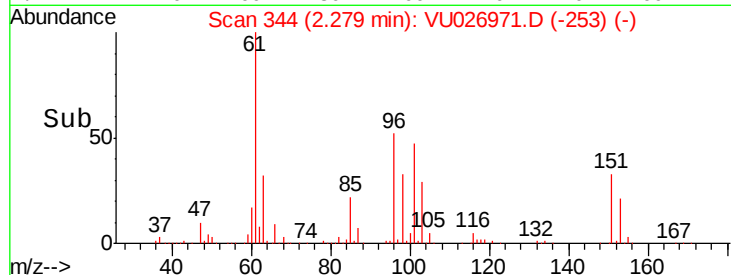
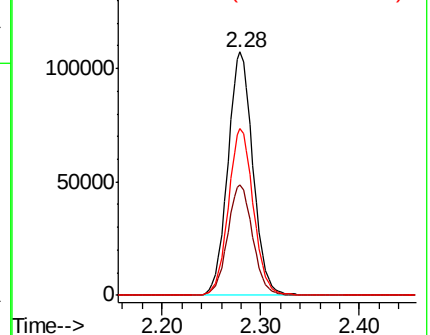
151 68.4 54.5 81.7



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: 255.186 ug/l

RT: 2.40 min Scan# 383

Delta R.T. -0.01 min

Lab File: VU026971.D

Acq: 21 Sep 2018 16:24

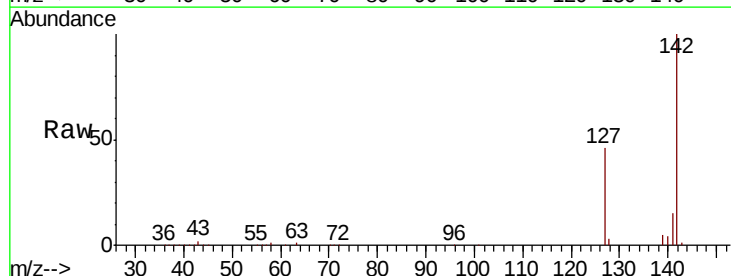
Tgt Ion:142 Resp: 263813

Ion Ratio Lower Upper

142 100

127 45.1 36.7 55.1

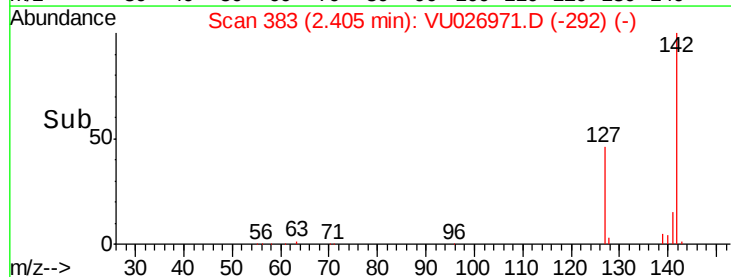
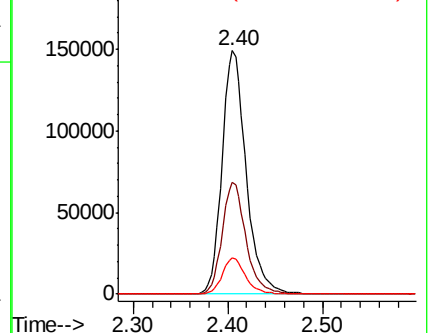
141 14.4 11.8 17.6

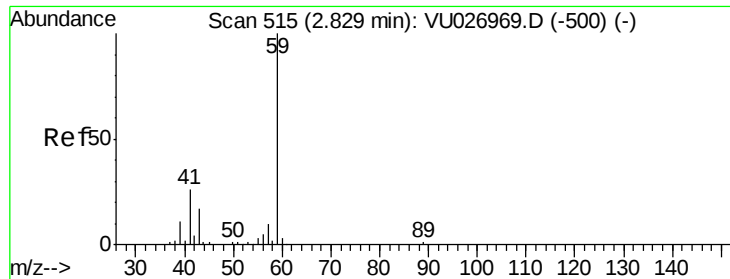


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V

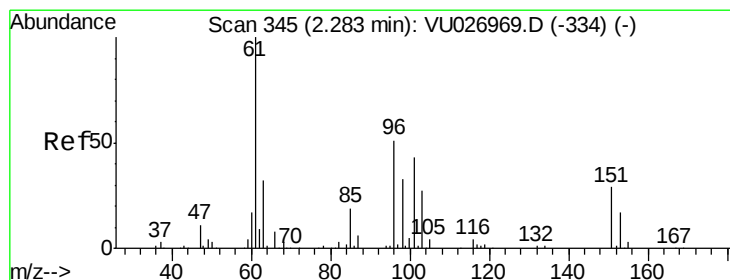
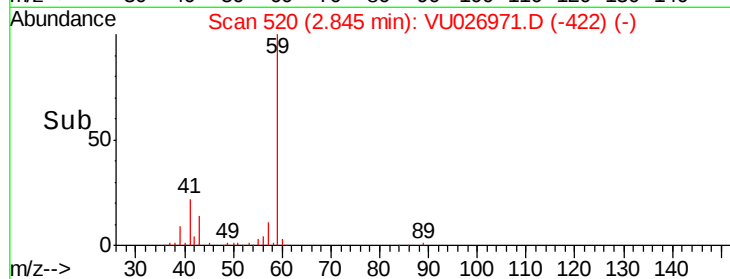
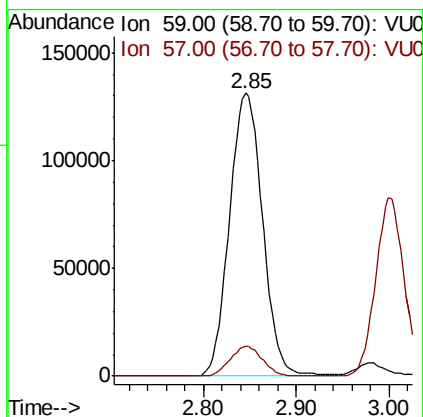
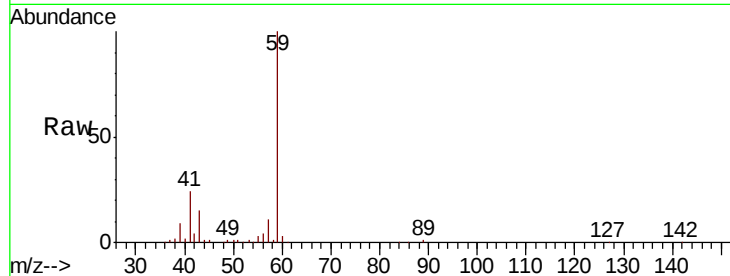




#11
Tert butyl alcohol
Concen: 879.650 ug/l
RT: 2.85 min Scan# 520
Delta R.T. 0.02 min
Lab File: VU026971.D
Acq: 21 Sep 2018 16:24

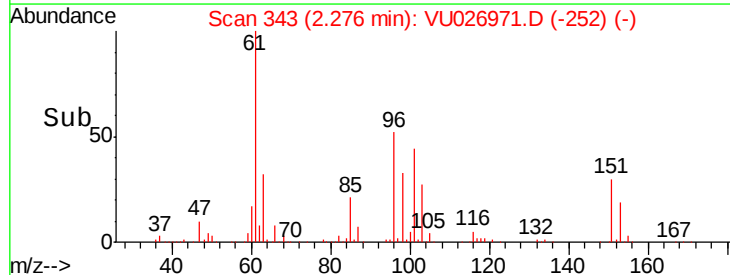
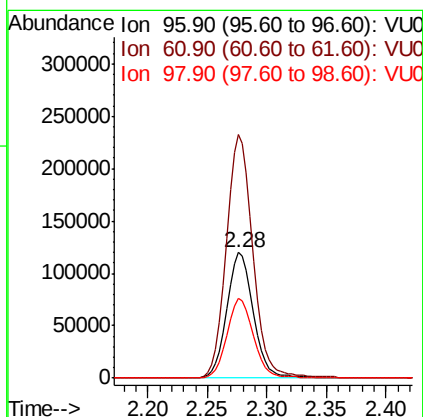
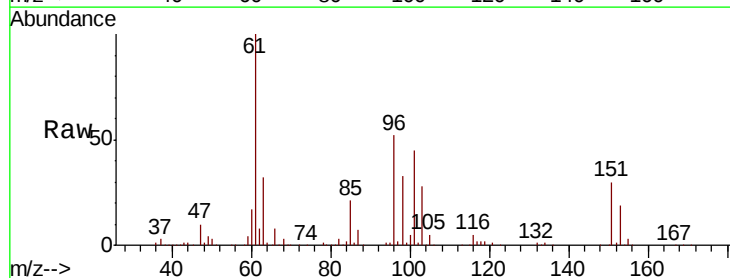
Instrument :
MSVOA_U
ClientSampleId :
VSTDIC150

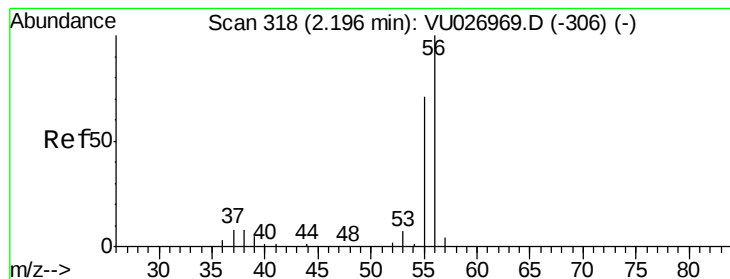
Tgt Ion: 59 Resp: 325238
Ion Ratio Lower Upper
59 100
57 10.3 8.5 12.7



#12
1,1-Dichloroethene
Concen: 165.708 ug/l
RT: 2.28 min Scan# 343
Delta R.T. -0.01 min
Lab File: VU026971.D
Acq: 21 Sep 2018 16:24

Tgt Ion: 96 Resp: 186063
Ion Ratio Lower Upper
96 100
61 194.0 156.1 234.1
98 63.1 51.4 77.0





#13

Acrolein

Concen: 752.392 ug/l

RT: 2.20 min Scan# 318

Delta R.T. -0.00 min

Lab File: VU026971.D

Acq: 21 Sep 2018 16:24

Instrument :

MSVOA_U

ClientSampleId :

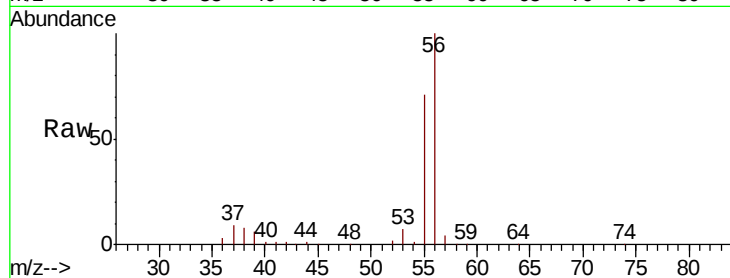
VSTDICC150

Tgt Ion: 56 Resp: 180990

Ion Ratio Lower Upper

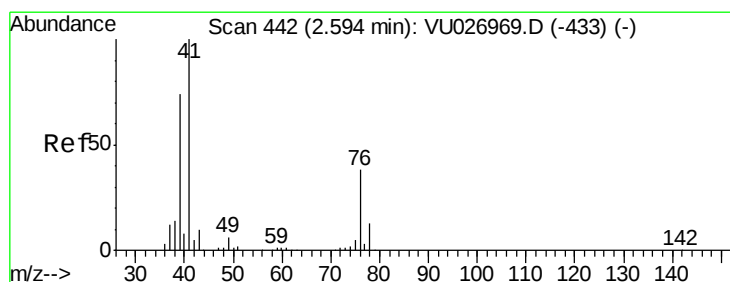
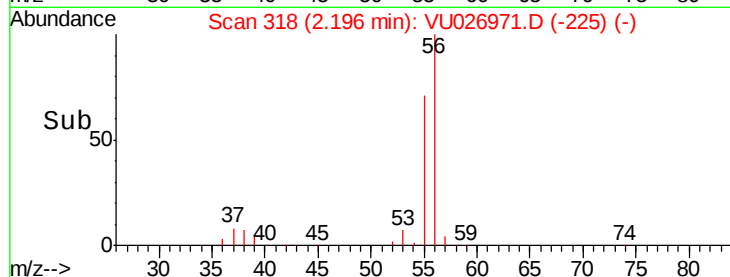
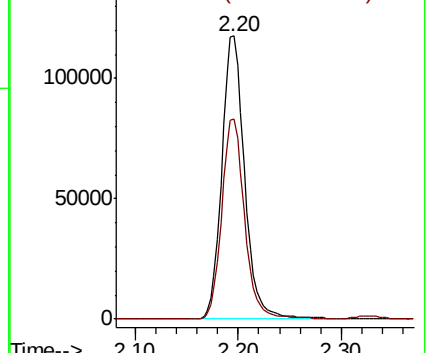
56 100

55 71.1 57.1 85.7



Abundance Ion 56.00 (55.70 to 56.70): VU0

Ion 55.00 (54.70 to 55.70): VU0



#14

Allyl chloride

Concen: 209.033 ug/l

RT: 2.59 min Scan# 440

Delta R.T. -0.01 min

Lab File: VU026971.D

Acq: 21 Sep 2018 16:24

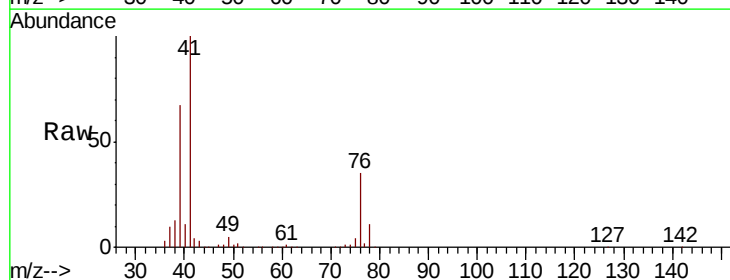
Tgt Ion: 41 Resp: 437446

Ion Ratio Lower Upper

41 100

39 59.6 55.7 83.5

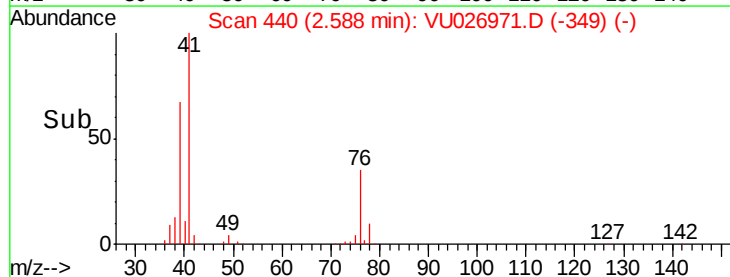
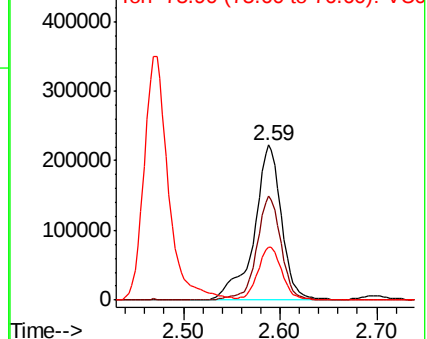
76 29.3 26.5 39.7

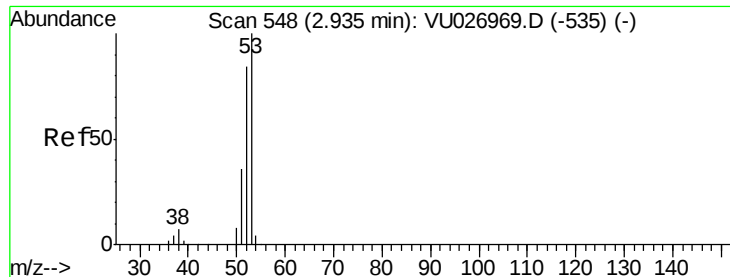


Abundance Ion 41.00 (40.70 to 41.70): VU0

Ion 39.00 (38.70 to 39.70): VU0

Ion 75.90 (75.60 to 76.60): VU0





#15

Acrylonitrile

Concen: 996.939 ug/l

RT: 2.94 min Scan# 549

Delta R.T. 0.00 min

Lab File: VU026971.D

Acq: 21 Sep 2018 16:24

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC150

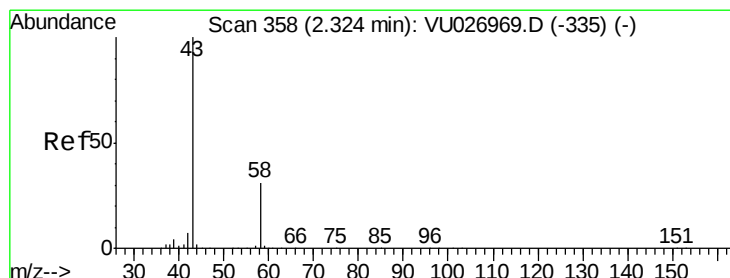
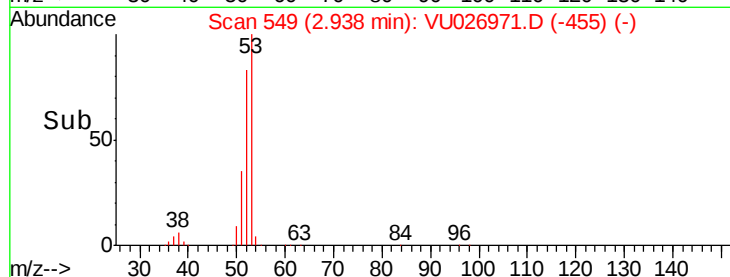
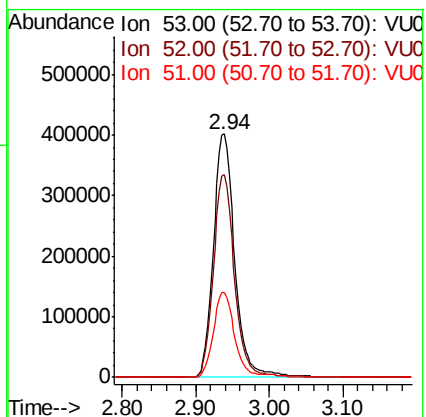
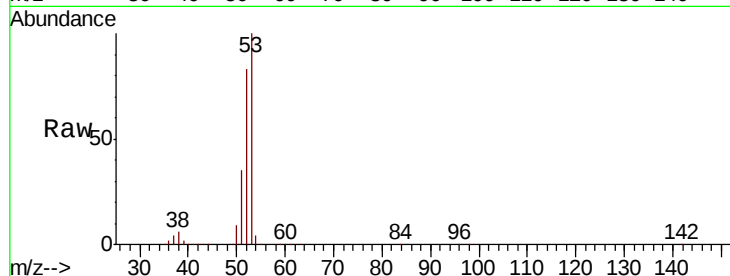
Tgt Ion: 53 Resp: 806901

Ion Ratio Lower Upper

53 100

52 82.2 65.7 98.5

51 35.2 27.4 41.2



#16

Acetone

Concen: 821.197 ug/l

RT: 2.32 min Scan# 358

Delta R.T. -0.00 min

Lab File: VU026971.D

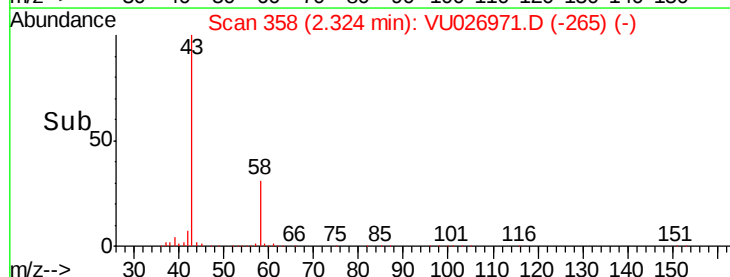
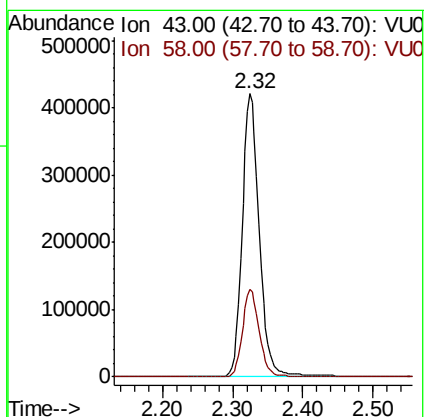
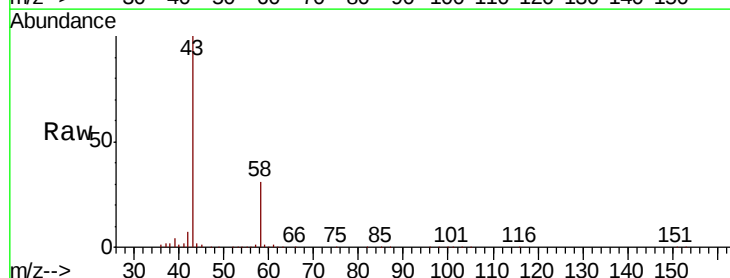
Acq: 21 Sep 2018 16:24

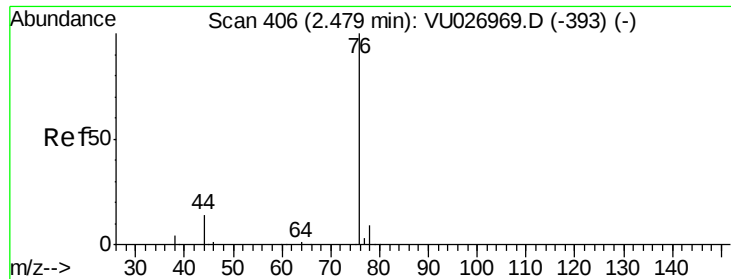
Tgt Ion: 43 Resp: 708808

Ion Ratio Lower Upper

43 100

58 30.9 24.6 36.8





#17

Carbon Disulfide

Concen: 170.136 ug/l

RT: 2.47 min Scan# 403

Delta R.T. -0.01 min

Lab File: VU026971.D

Acq: 21 Sep 2018 16:24

Instrument :

MSVOA_U

ClientSampleId :

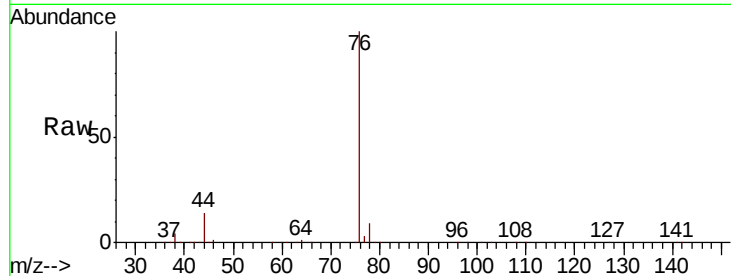
VSTDIC150

Tgt Ion: 76 Resp: 611862

Ion Ratio Lower Upper

76 100

78 9.2 7.1 10.7



Abundance Ion 75.90 (75.60 to 76.60): VU026969.D (-393) (-)

Ion 77.90 (77.60 to 78.60): VU026971.D (-313) (-)

2.47

400000

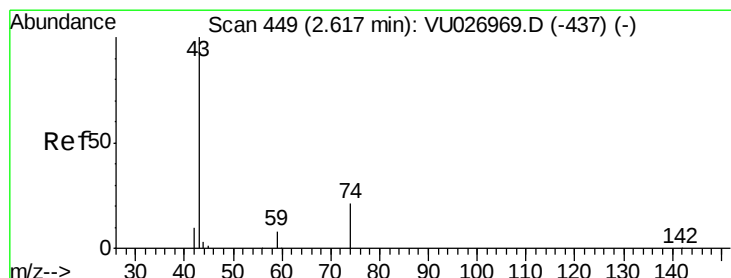
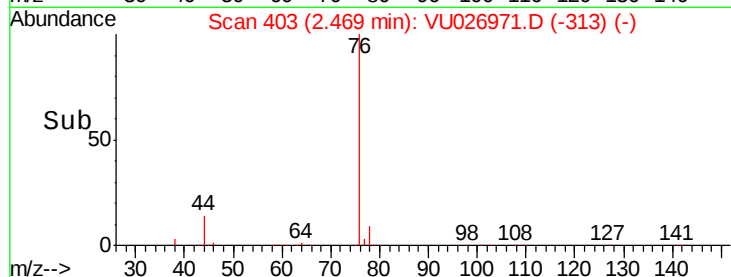
300000

200000

100000

0

Time-->



#18

Methyl Acetate

Concen: 202.474 ug/l

RT: 2.62 min Scan# 449

Delta R.T. -0.00 min

Lab File: VU026971.D

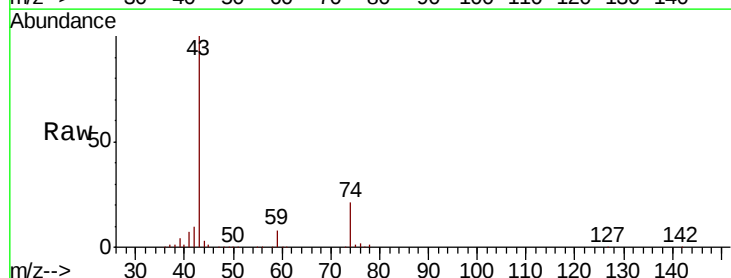
Acq: 21 Sep 2018 16:24

Tgt Ion: 43 Resp: 387910

Ion Ratio Lower Upper

43 100

74 21.0 16.6 25.0



Abundance Ion 43.00 (42.70 to 43.70): VU026969.D (-437) (-)

Ion 74.00 (73.70 to 74.70): VU026971.D (-356) (-)

2.62

250000

200000

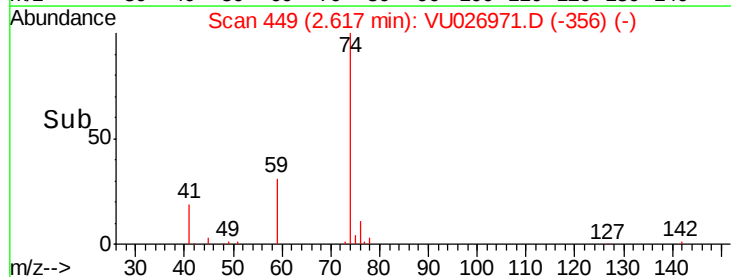
150000

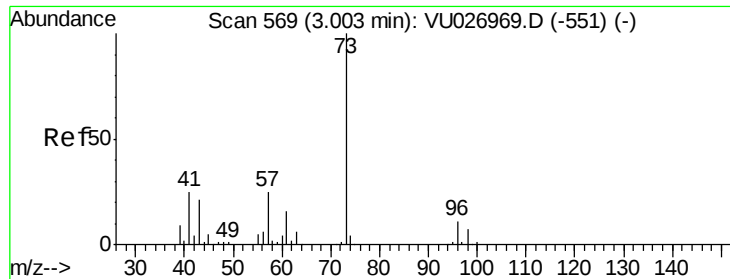
100000

50000

0

Time-->

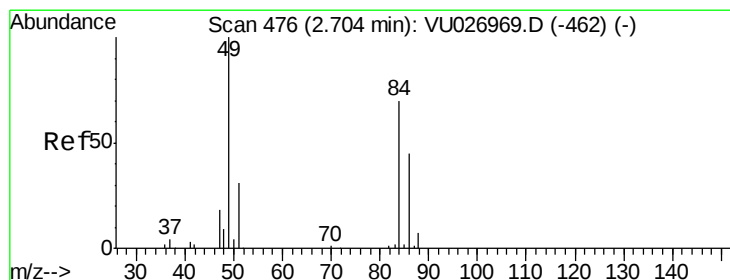
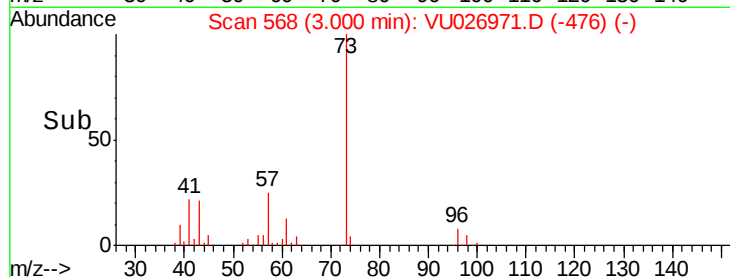
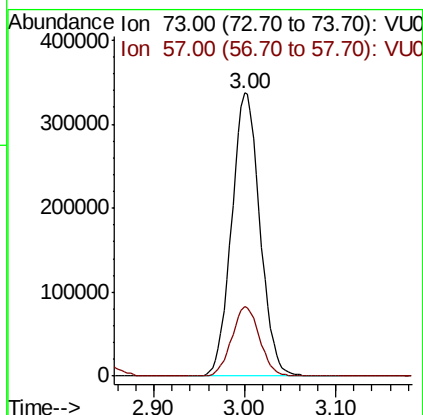
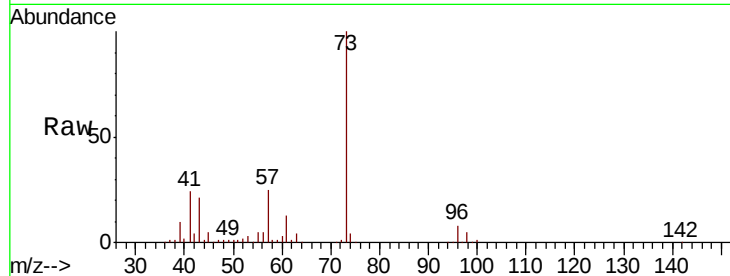




#19
Methyl tert-butyl Ether
Concen: 184.550 ug/l
RT: 3.00 min Scan# 568
Delta R.T. -0.00 min
Lab File: VU026971.D
Acq: 21 Sep 2018 16:24

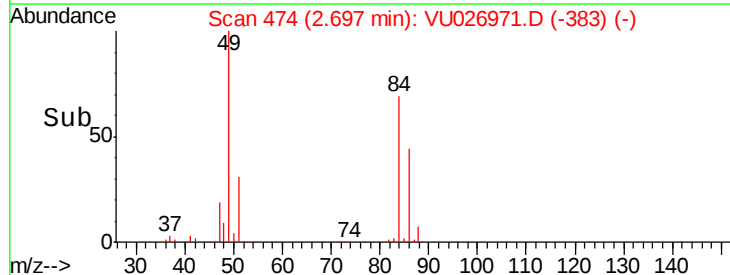
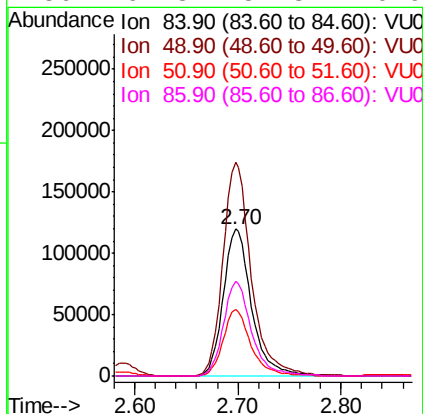
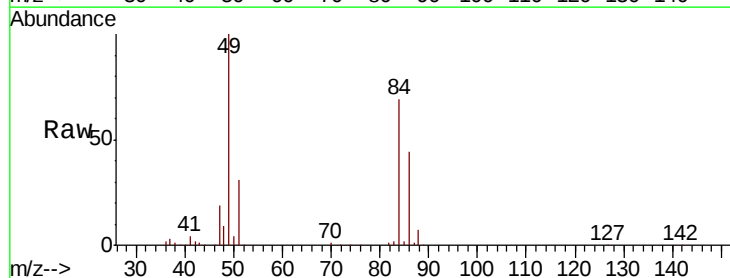
Instrument :
MSVOA_U
ClientSampleId :
VSTDIC150

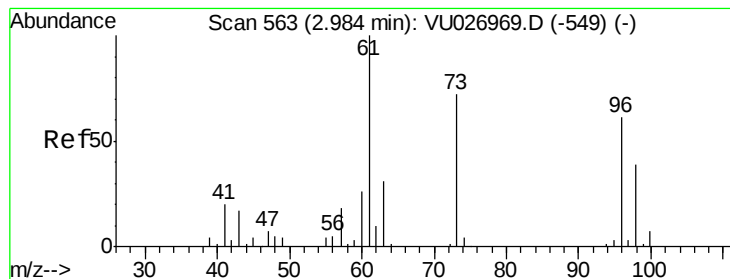
Tgt Ion: 73 Resp: 727107
Ion Ratio Lower Upper
73 100
57 24.6 19.8 29.6



#20
Methylene Chloride
Concen: 166.801 ug/l
RT: 2.70 min Scan# 474
Delta R.T. -0.01 min
Lab File: VU026971.D
Acq: 21 Sep 2018 16:24

Tgt Ion: 84 Resp: 229108
Ion Ratio Lower Upper
84 100
49 145.7 114.9 172.3
51 45.4 35.8 53.8
86 64.3 51.3 76.9





#21

trans-1,2-Dichloroethene

Concen: 171.389 ug/l

RT: 2.98 min Scan# 562

Delta R.T. -0.00 min

Lab File: VU026971.D

Acq: 21 Sep 2018 16:24

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC150

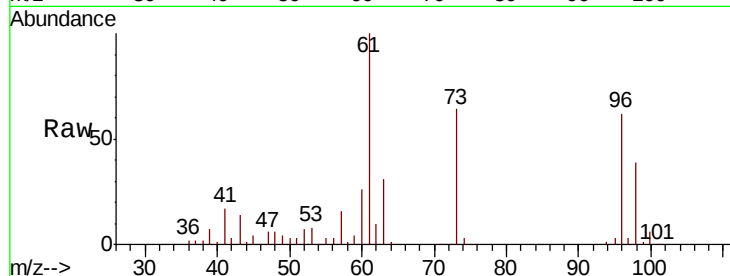
Tgt Ion: 96 Resp: 204287

Ion Ratio Lower Upper

96 100

61 161.0 131.8 197.6

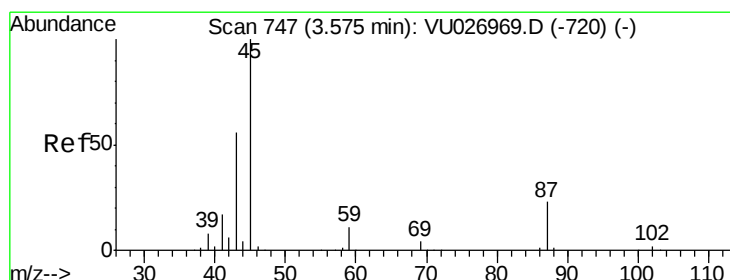
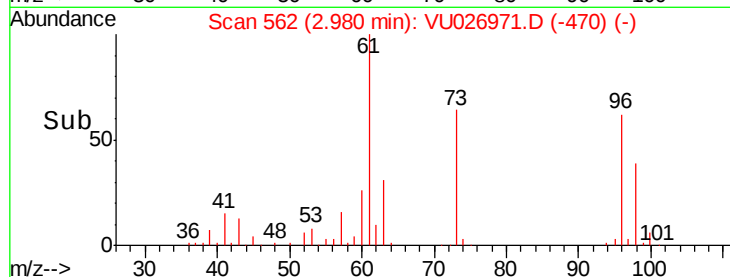
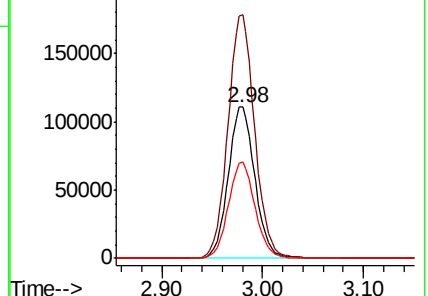
98 63.5 50.9 76.3



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: 199.143 ug/l

RT: 3.58 min Scan# 747

Delta R.T. -0.00 min

Lab File: VU026971.D

Acq: 21 Sep 2018 16:24

Tgt Ion: 45 Resp: 872706

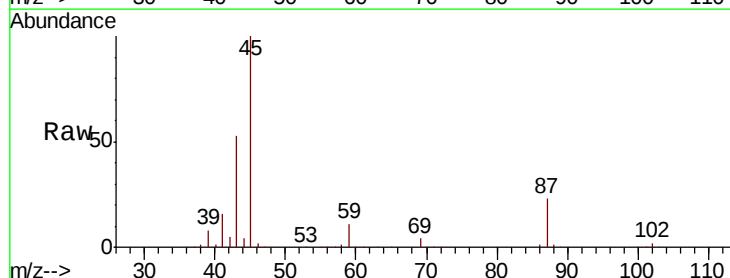
Ion Ratio Lower Upper

45 100

43 52.0 45.8 68.6

87 23.1 18.6 28.0

59 11.1 9.0 13.4

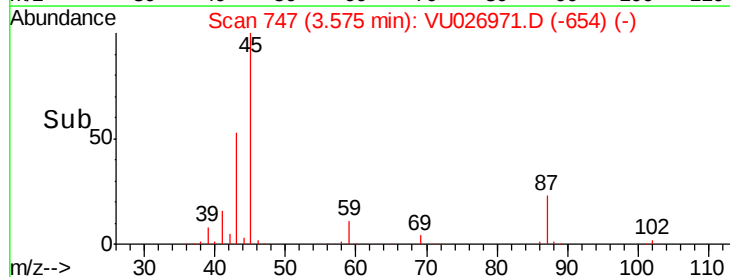
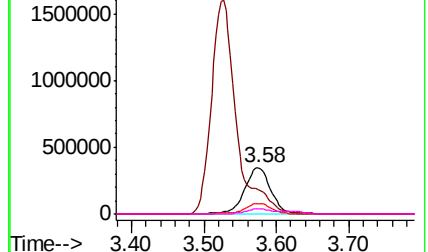


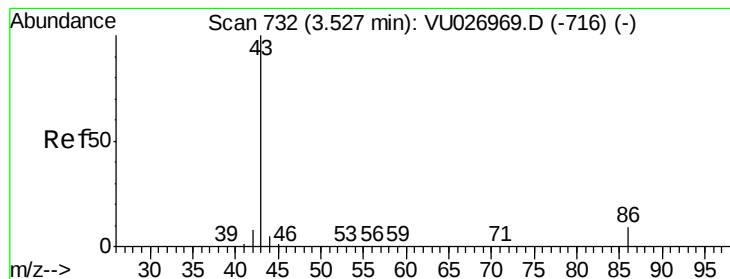
Abundance Ion 45.00 (44.70 to 45.70): VU0

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: 1023.746 ug/l

RT: 3.53 min Scan# 732

Delta R.T. -0.00 min

Lab File: VU026971.D

Acq: 21 Sep 2018 16:24

Instrument :

MSVOA_U

ClientSampleId :

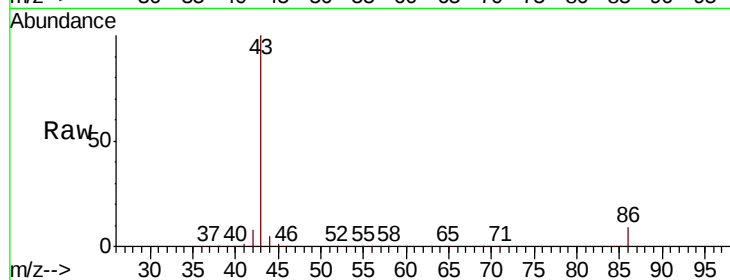
VSTDIC150

Tgt Ion: 43 Resp: 3808532

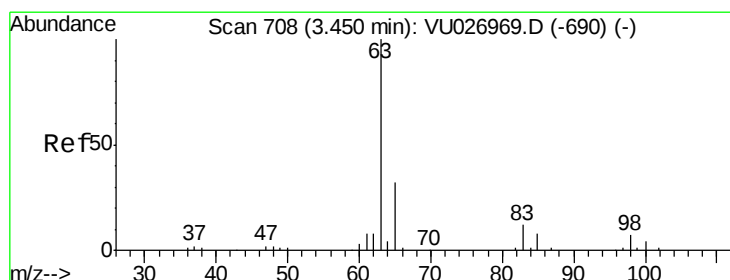
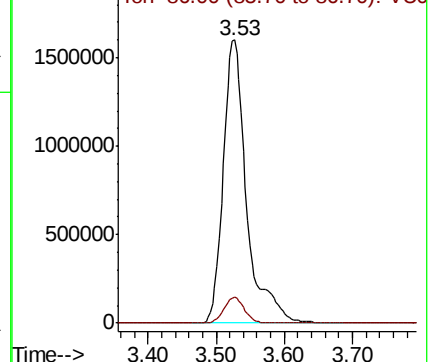
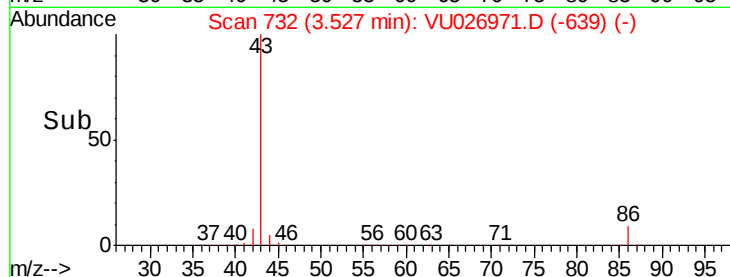
Ion Ratio Lower Upper

43 100

86 9.1 7.2 10.8



Abundance Ion 43.00 (42.70 to 43.70): VU026971.D (-639) (-)



#24

1,1-Dichloroethane

Concen: 184.844 ug/l

RT: 3.44 min Scan# 706

Delta R.T. -0.01 min

Lab File: VU026971.D

Acq: 21 Sep 2018 16:24

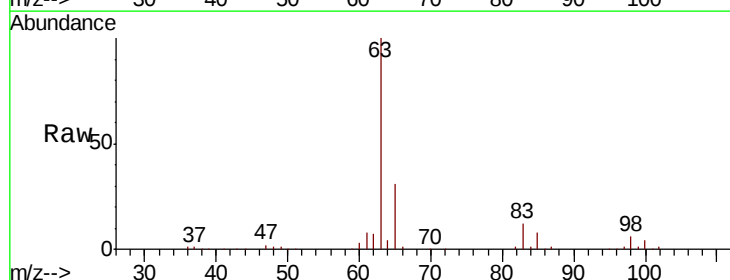
Tgt Ion: 63 Resp: 451113

Ion Ratio Lower Upper

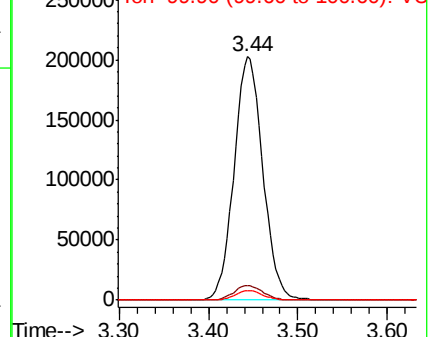
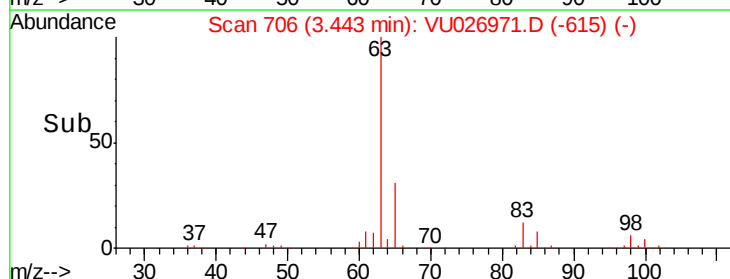
63 100

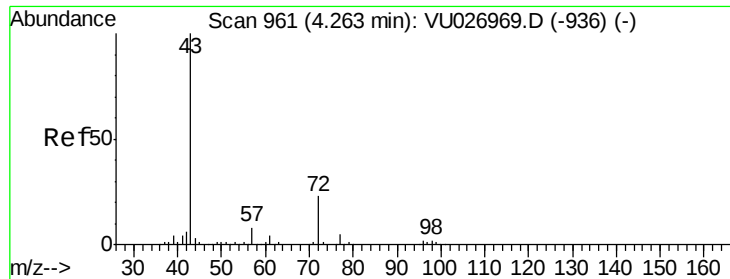
98 6.0 3.3 9.8

100 3.9 2.0 5.8



Abundance Ion 62.90 (62.60 to 63.60): VU026971.D (-615) (-)





#25

2-Butanone

Concen: 980.434 ug/l

RT: 4.27 min Scan# 962

Delta R.T. 0.00 min

Lab File: VU026971.D

Acq: 21 Sep 2018 16:24

Instrument :

MSVOA_U

ClientSampleId :

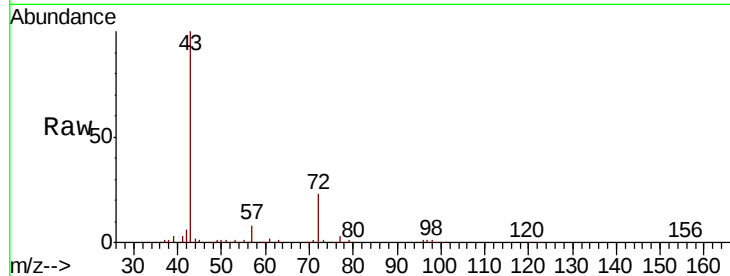
VSTDIC150

Tgt Ion: 43 Resp: 1154760

Ion Ratio Lower Upper

43 100

72 23.3 18.4 27.6



Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 72.00 (71.70 to 72.70): VU0

4.27

500000

400000

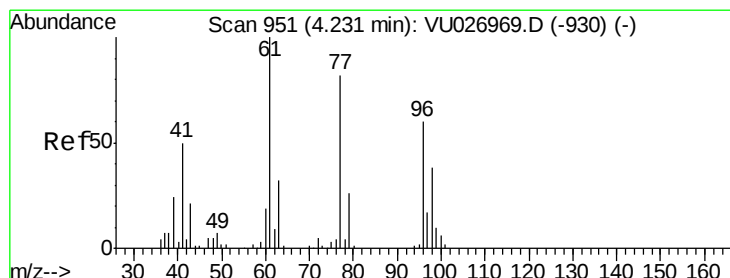
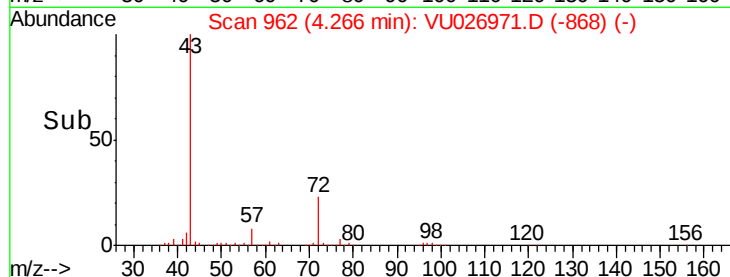
300000

200000

100000

0

Time-->



#26

2,2-Dichloropropane

Concen: 174.471 ug/l

RT: 4.23 min Scan# 950

Delta R.T. -0.00 min

Lab File: VU026971.D

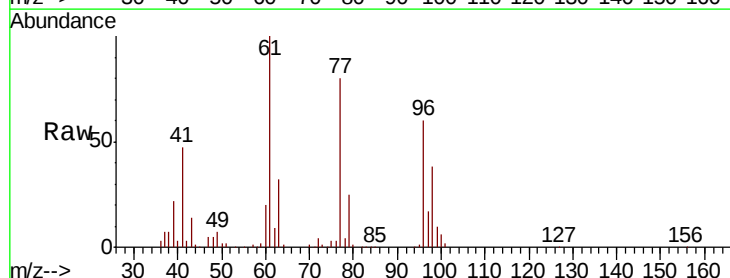
Acq: 21 Sep 2018 16:24

Tgt Ion: 77 Resp: 345844

Ion Ratio Lower Upper

77 100

97 21.2 10.5 31.5



Abundance Ion 76.90 (76.60 to 77.60): VU0

Ion 96.90 (96.60 to 97.60): VU0

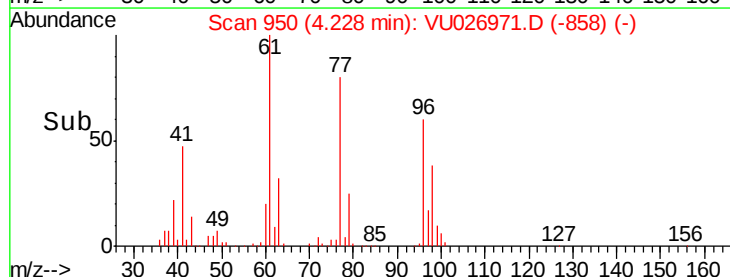
150000

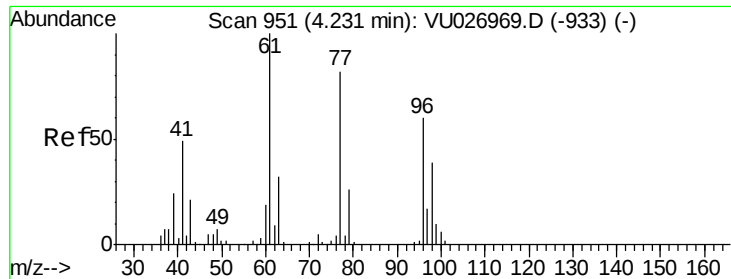
100000

50000

0

Time-->



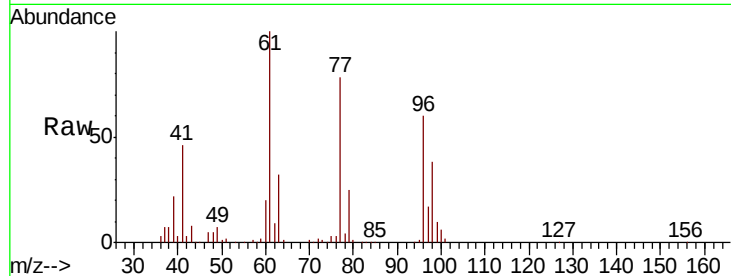


#27

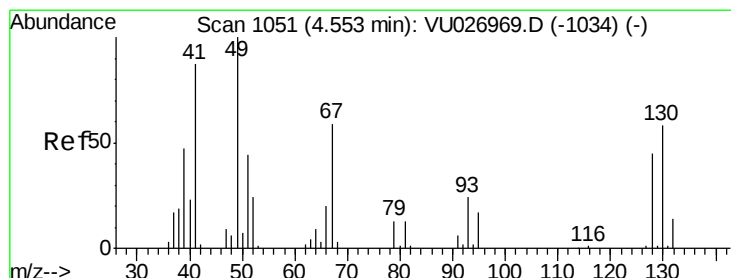
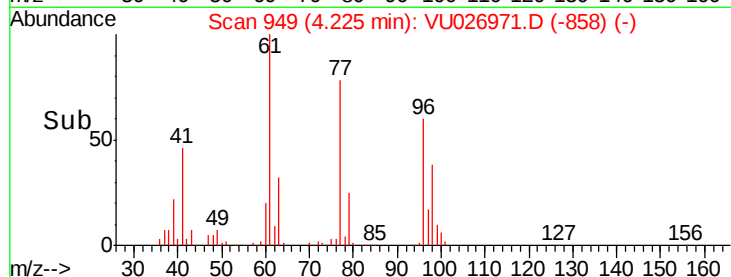
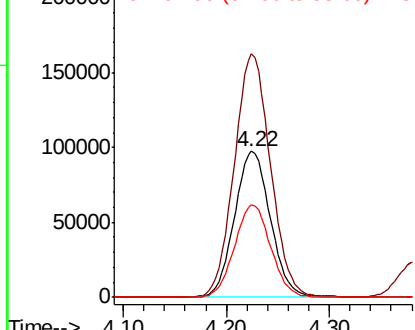
cis-1,2-Dichloroethene
Concen: 172.958 ug/l
RT: 4.22 min Scan# 949
Delta R.T. -0.01 min
Lab File: VU026971.D
Acq: 21 Sep 2018 16:24

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC150

Tgt Ion: 96 Resp: 236059
Ion Ratio Lower Upper
96 100
61 168.7 0.0 337.2
98 64.1 0.0 127.6



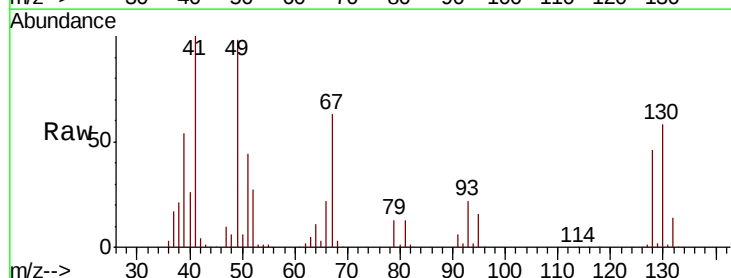
Abundance Ion 95.90 (95.60 to 96.60): VU0
Ion 60.90 (60.60 to 61.60): VU0
Ion 97.90 (97.60 to 98.60): VU0



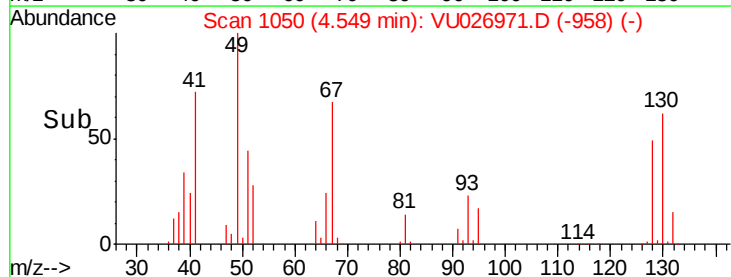
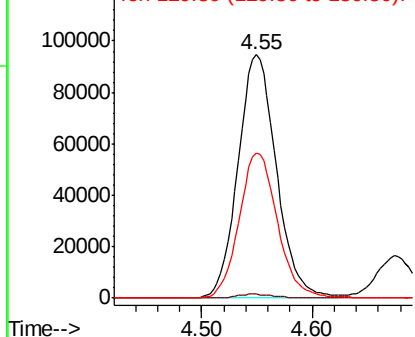
#28

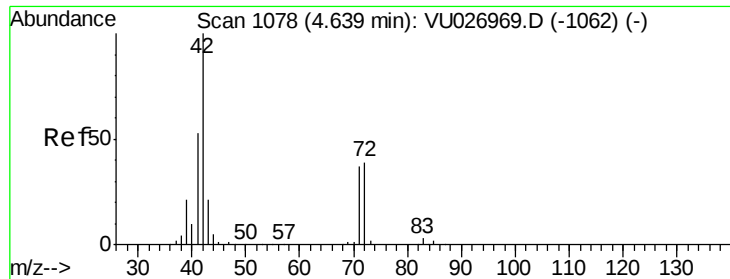
Bromochloromethane
Concen: 194.598 ug/l
RT: 4.55 min Scan# 1050
Delta R.T. -0.00 min
Lab File: VU026971.D
Acq: 21 Sep 2018 16:24

Tgt Ion: 49 Resp: 228792
Ion Ratio Lower Upper
49 100
129 1.6 0.0 3.0
130 59.6 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: 1030.526 ug/l

RT: 4.64 min Scan# 1078

Delta R.T. -0.00 min

Lab File: VU026971.D

Acq: 21 Sep 2018 16:24

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC150

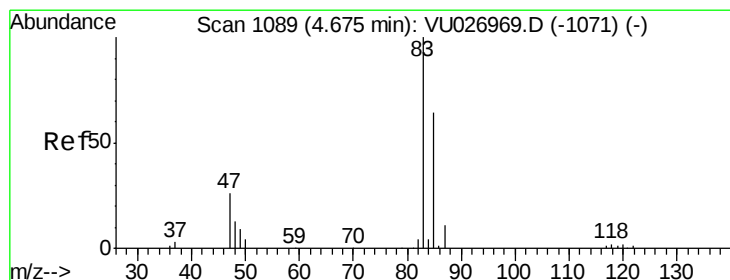
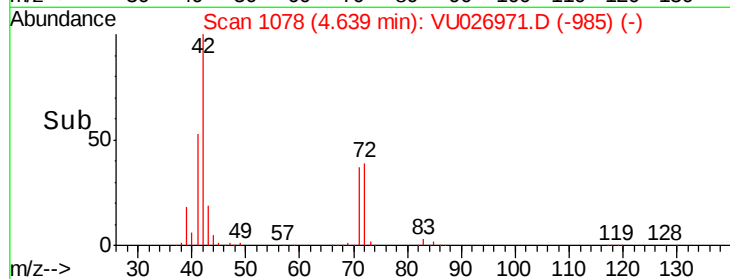
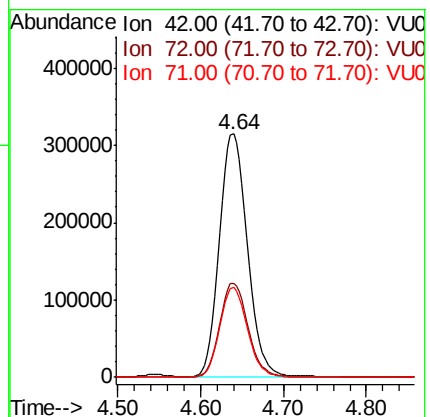
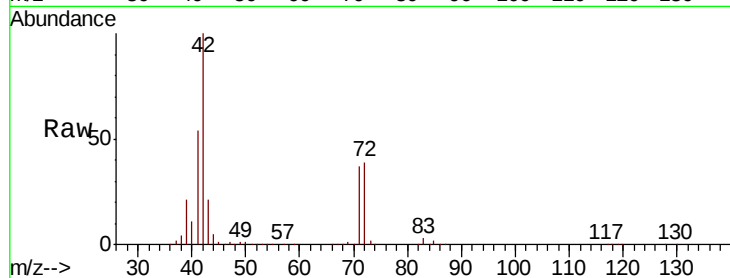
Tgt Ion: 42 Resp: 738882

Ion Ratio Lower Upper

42 100

72 39.3 31.7 47.5

71 36.6 29.6 44.4



#30

Chloroform

Concen: 170.924 ug/l

RT: 4.67 min Scan# 1089

Delta R.T. -0.00 min

Lab File: VU026971.D

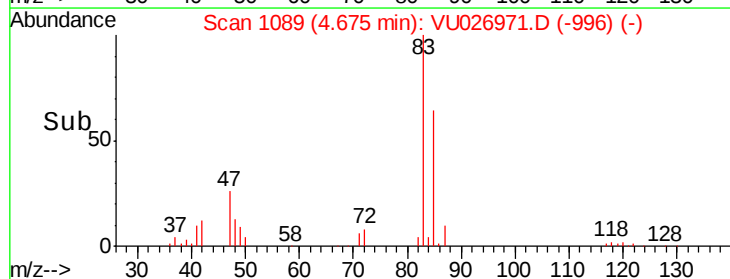
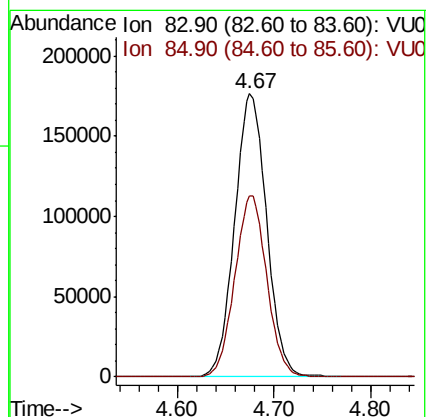
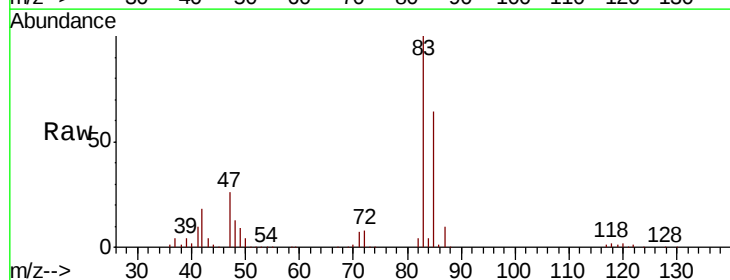
Acq: 21 Sep 2018 16:24

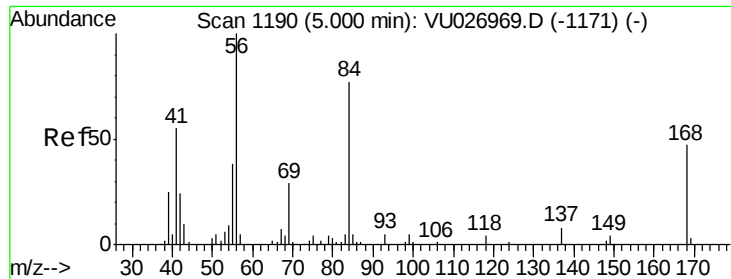
Tgt Ion: 83 Resp: 405605

Ion Ratio Lower Upper

83 100

85 63.9 51.5 77.3

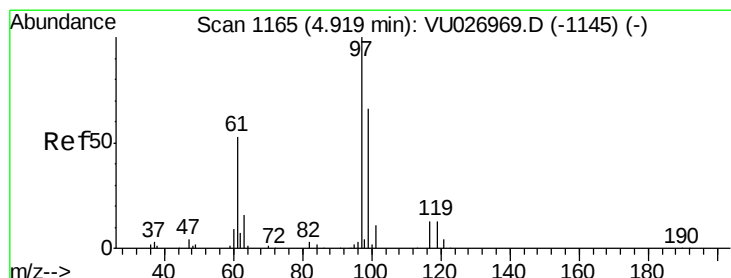
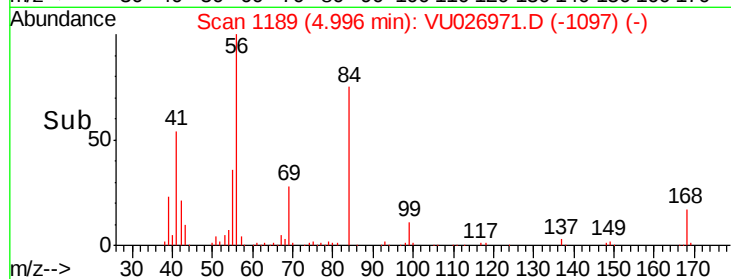
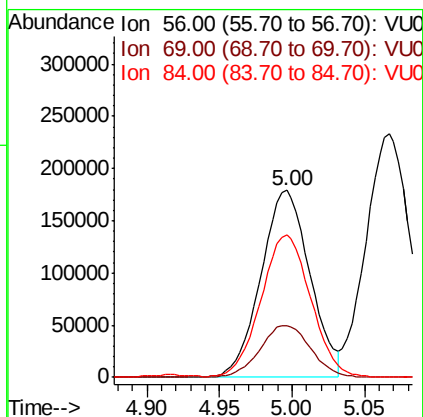
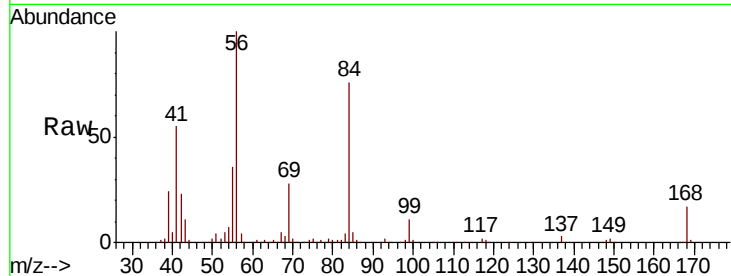




#31
Cyclohexane
Concen: 167.293 ug/l
RT: 5.00 min Scan# 1189
Delta R.T. -0.00 min
Lab File: VU026971.D
Acq: 21 Sep 2018 16:24

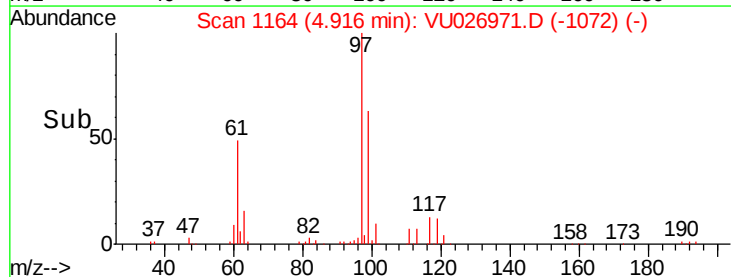
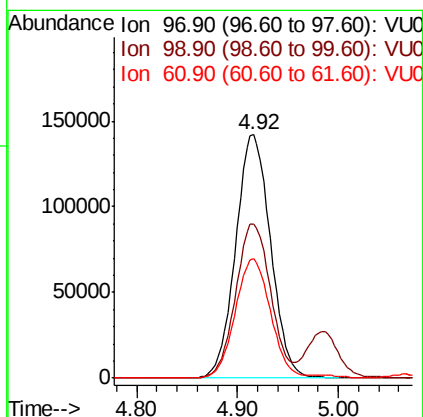
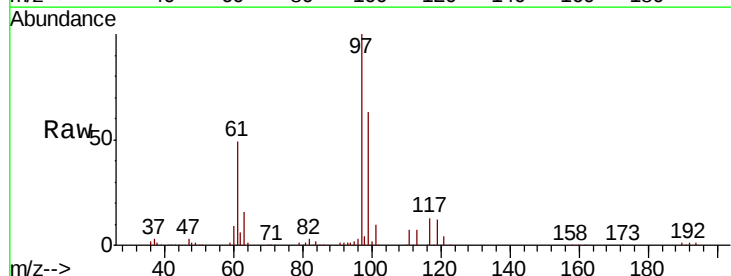
Instrument :
MSVOA_U
ClientSampleId :
VSTDIC150

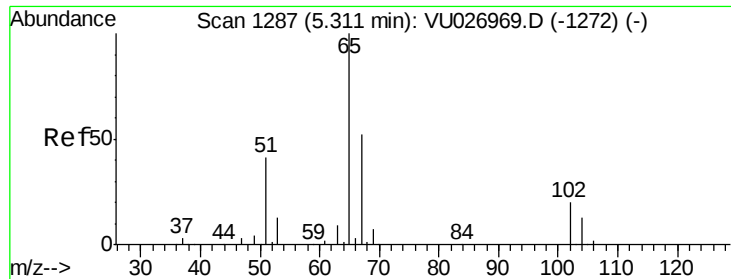
Tgt Ion: 56 Resp: 421032
Ion Ratio Lower Upper
56 100
69 27.9 23.0 34.4
84 75.1 61.4 92.2



#32
1,1,1-Trichloroethane
Concen: 175.007 ug/l
RT: 4.92 min Scan# 1164
Delta R.T. -0.00 min
Lab File: VU026971.D
Acq: 21 Sep 2018 16:24

Tgt Ion: 97 Resp: 341037
Ion Ratio Lower Upper
97 100
99 64.0 51.8 77.6
61 49.6 41.1 61.7





#33

1,2-Dichloroethane-d4

Concen: 178.095 ug/l

RT: 5.31 min Scan# 1286

Delta R.T. -0.00 min

Lab File: VU026971.D

Acq: 21 Sep 2018 16:24

Instrument :

MSVOA_U

ClientSampleId :

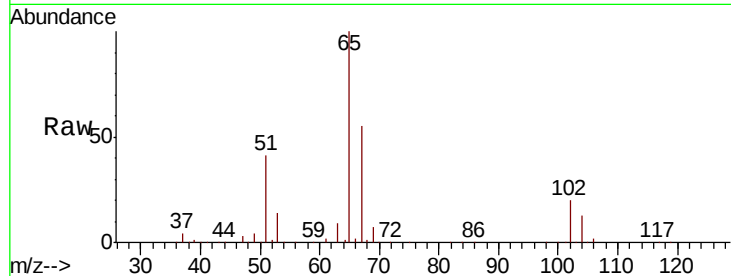
VSTDIC150

Tgt Ion: 65 Resp: 273451

Ion Ratio Lower Upper

65 100

67 53.8 0.0 105.6



Abundance Ion 64.90 (64.60 to 65.60): VU026969.D (-1272) (-)

Ion 66.90 (66.60 to 67.60): VU026969.D (-1272) (-)

5.31

150000

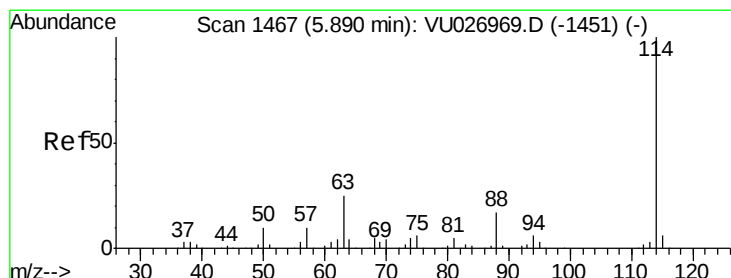
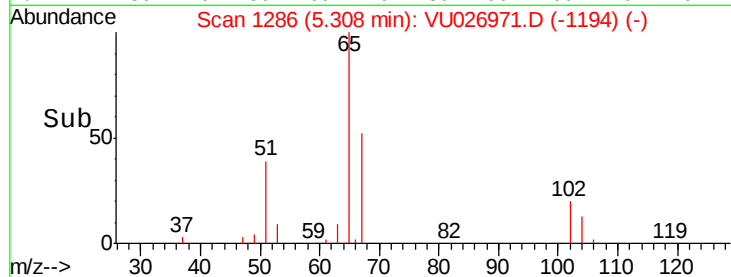
100000

50000

0

Time-->

5.25 5.30 5.35 5.40



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 5.89 min Scan# 1466

Delta R.T. -0.00 min

Lab File: VU026971.D

Acq: 21 Sep 2018 16:24

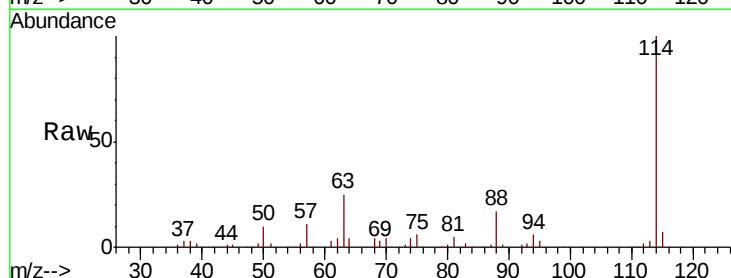
Tgt Ion: 114 Resp: 159832

Ion Ratio Lower Upper

114 100

63 25.4 0.0 49.2

88 16.7 0.0 33.8



Abundance Ion 113.90 (113.60 to 114.60): VU026969.D (-1451) (-)

Ion 63.00 (62.70 to 63.70): VU026969.D (-1451) (-)

Ion 87.90 (87.60 to 88.60): VU026969.D (-1451) (-)

5.89

100000

80000

60000

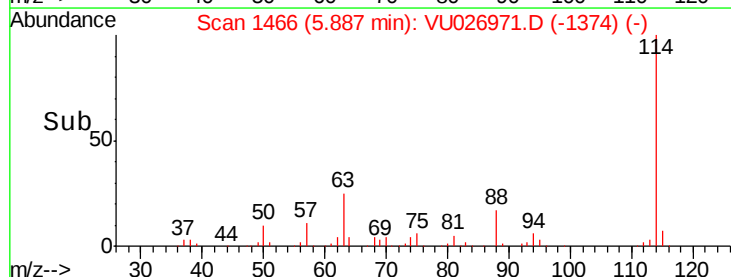
40000

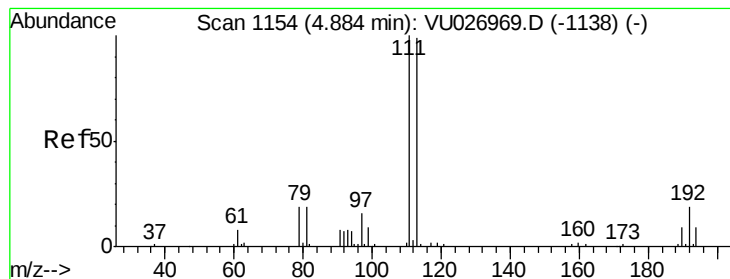
20000

0

Time-->

5.80 5.85 5.90 5.95





#35

Dibromofluoromethane

Concen: 150.824 ug/l

RT: 4.88 min Scan# 1154

Delta R.T. -0.00 min

Lab File: VU026971.D

Acq: 21 Sep 2018 16:24

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC150

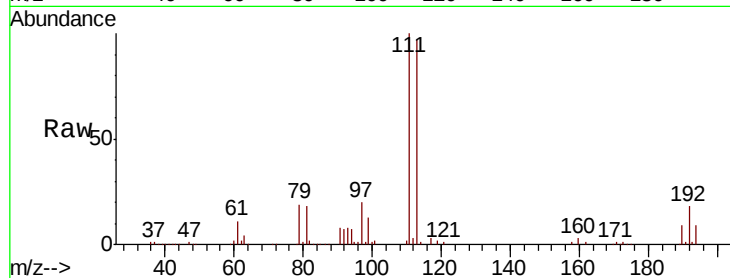
Tgt Ion: 113 Resp: 200141

Ion Ratio Lower Upper

113 100

111 102.8 82.2 123.4

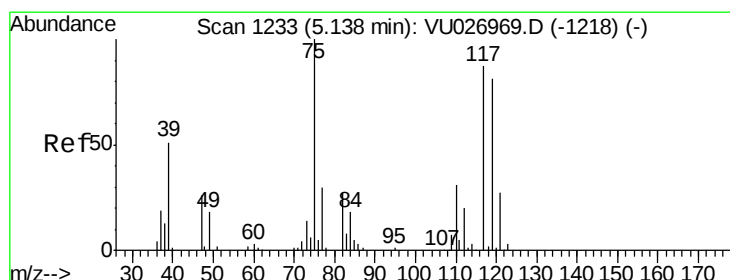
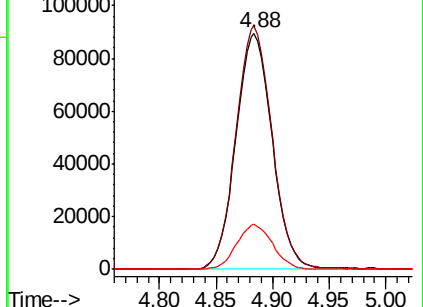
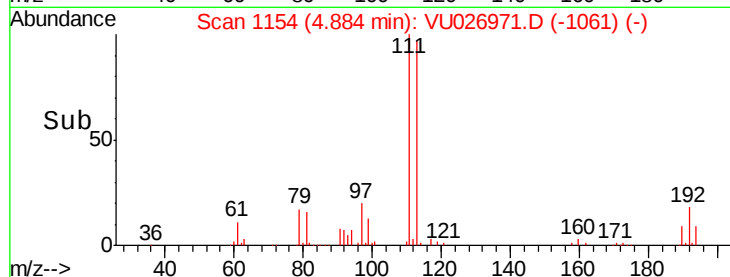
192 18.9 15.2 22.8



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: 173.584 ug/l

RT: 5.14 min Scan# 1233

Delta R.T. -0.00 min

Lab File: VU026971.D

Acq: 21 Sep 2018 16:24

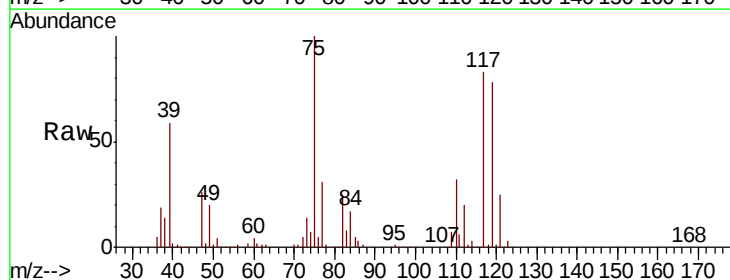
Tgt Ion: 75 Resp: 320372

Ion Ratio Lower Upper

75 100

110 31.6 16.1 48.2

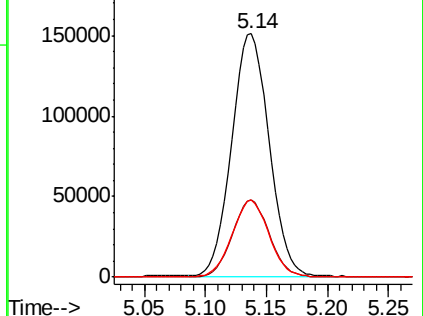
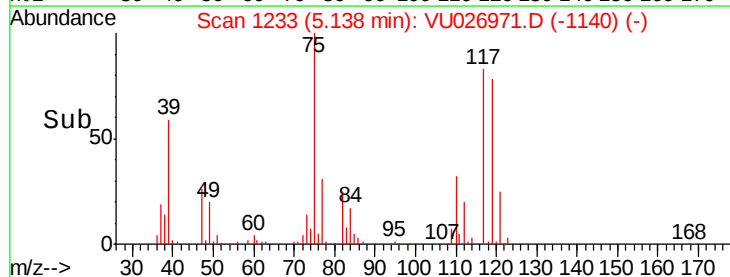
77 31.0 24.6 36.8

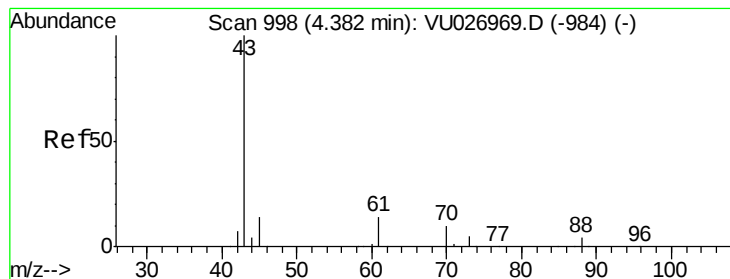


Abundance Ion 74.90 (74.60 to 75.60): VU0

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VU0





#37

Ethyl Acetate

Concen: 183.989 ug/l

RT: 4.38 min Scan# 998

Delta R.T. -0.00 min

Lab File: VU026971.D

Acq: 21 Sep 2018 16:24

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC150

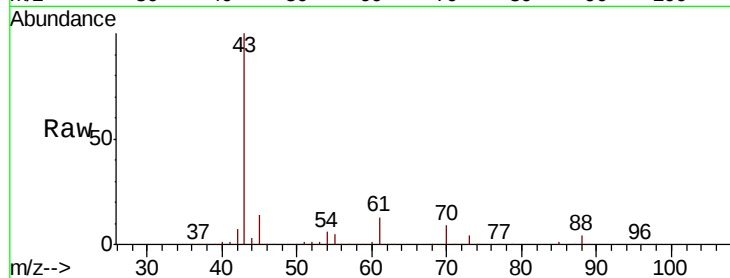
Tgt Ion: 43 Resp: 419376

Ion Ratio Lower Upper

43 100

61 13.6 10.5 15.7

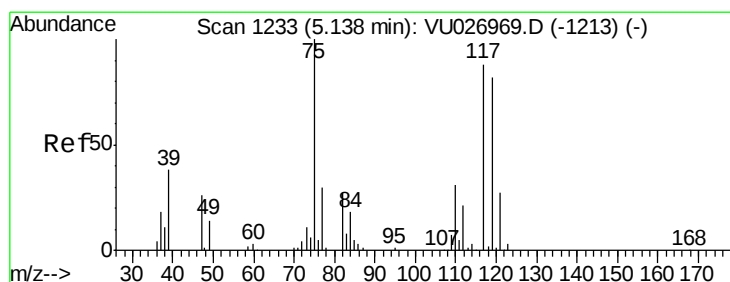
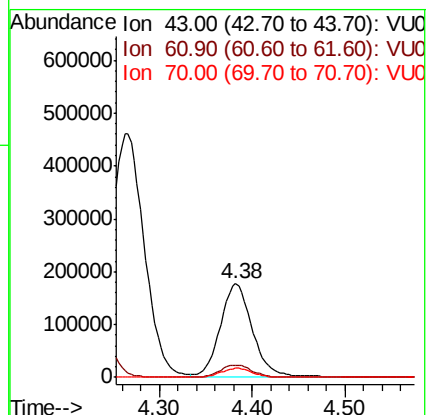
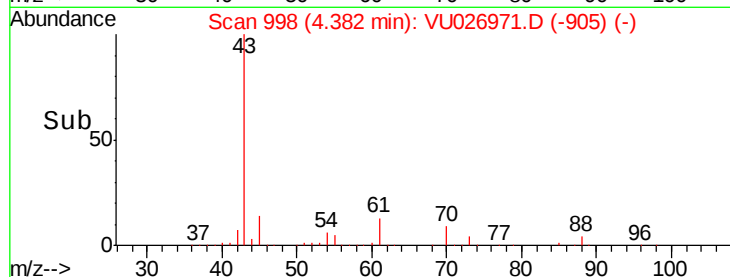
70 9.5 7.4 11.0



Abundance Ion 43.00 (42.70 to 43.70): VU026971.D (-905) (-)

Ion 60.90 (60.60 to 61.60): VU026971.D (-905) (-)

Ion 70.00 (69.70 to 70.70): VU026971.D (-905) (-)



#38

Carbon Tetrachloride

Concen: 150.009 ug/l

RT: 5.13 min Scan# 1232

Delta R.T. -0.00 min

Lab File: VU026971.D

Acq: 21 Sep 2018 16:24

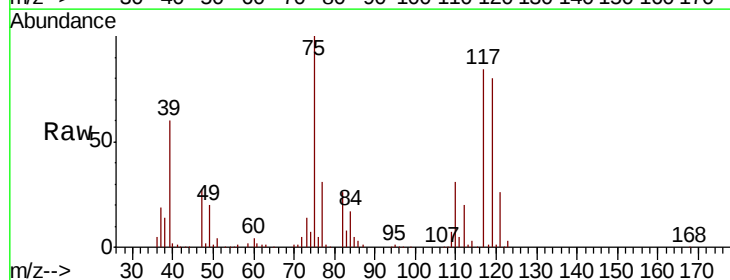
Tgt Ion: 117 Resp: 288009

Ion Ratio Lower Upper

117 100

119 95.7 74.4 111.6

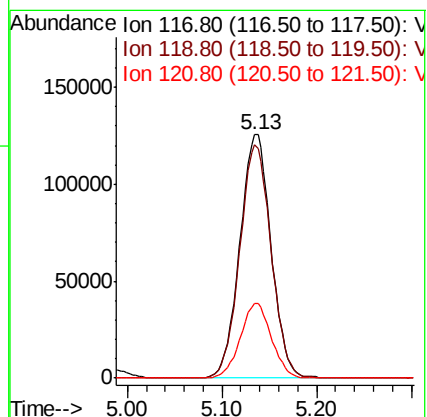
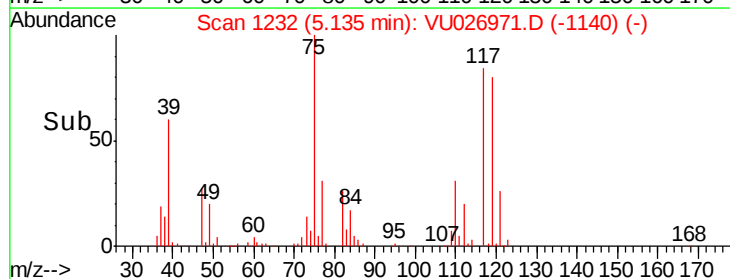
121 30.6 24.2 36.4

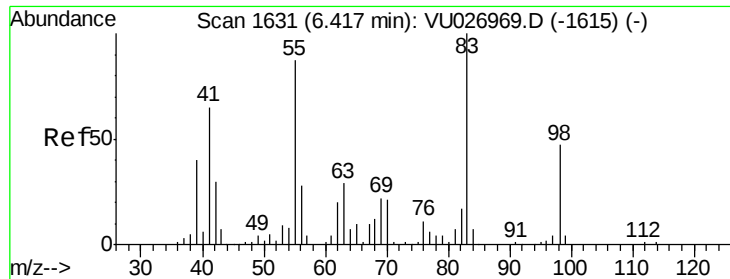


Abundance Ion 116.80 (116.50 to 117.50): VU026971.D (-1140) (-)

Ion 118.80 (118.50 to 119.50): VU026971.D (-1140) (-)

Ion 120.80 (120.50 to 121.50): VU026971.D (-1140) (-)

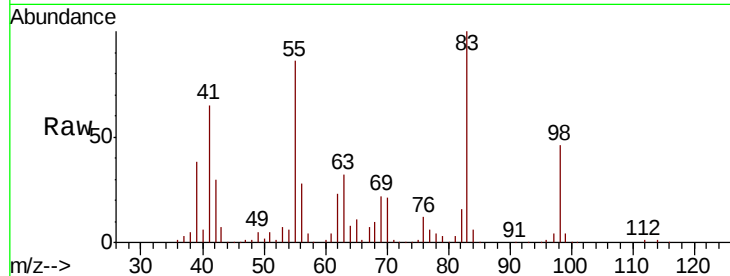




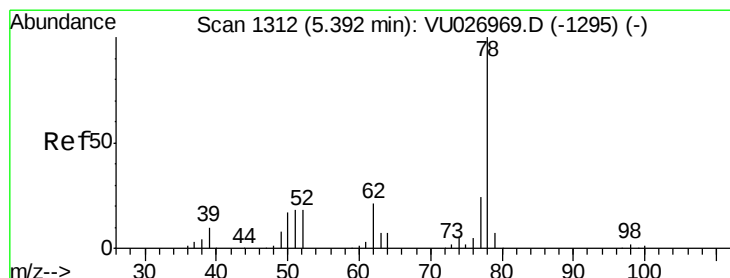
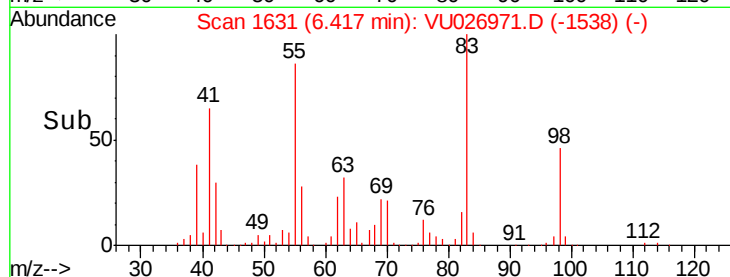
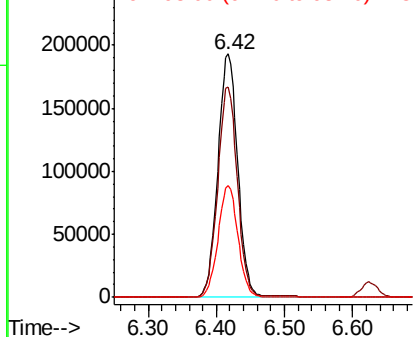
#39
Methylcyclohexane
Concen: 180.373 ug/l
RT: 6.42 min Scan# 1631
Delta R.T. -0.00 min
Lab File: VU026971.D
Acq: 21 Sep 2018 16:24

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC150

Tgt Ion: 83 Resp: 392103
Ion Ratio Lower Upper
83 100
55 86.2 69.9 104.9
98 45.9 37.5 56.3

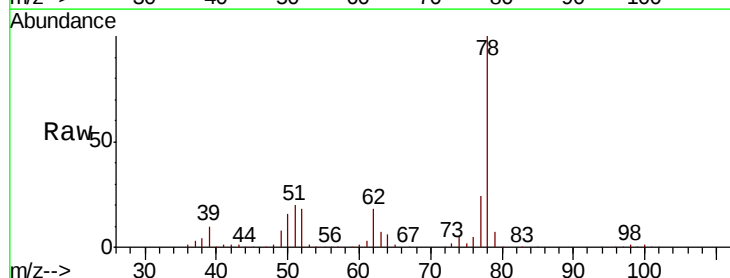


Abundance Ion 83.00 (82.70 to 83.70): VU0
Ion 55.00 (54.70 to 55.70): VU0
Ion 98.00 (97.70 to 98.70): VU0

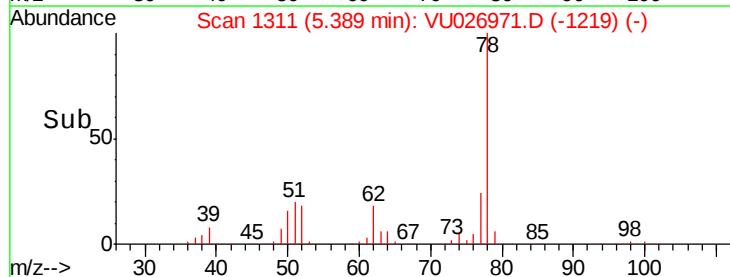
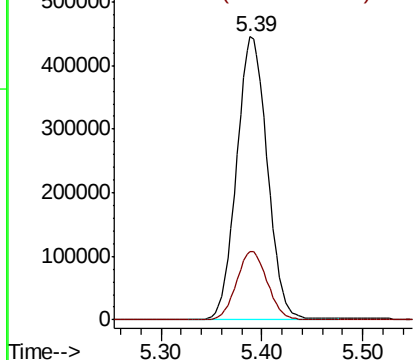


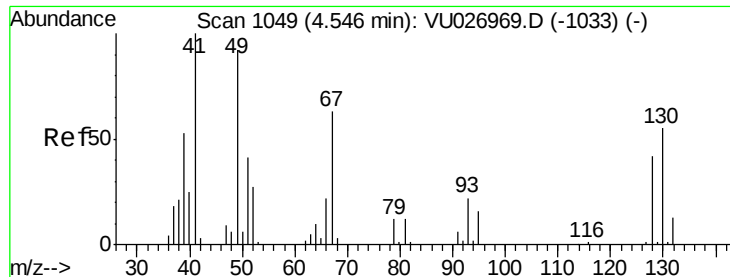
#40
Benzene
Concen: 165.144 ug/l
RT: 5.39 min Scan# 1311
Delta R.T. -0.00 min
Lab File: VU026971.D
Acq: 21 Sep 2018 16:24

Tgt Ion: 78 Resp: 942722
Ion Ratio Lower Upper
78 100
77 24.4 19.4 29.0



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

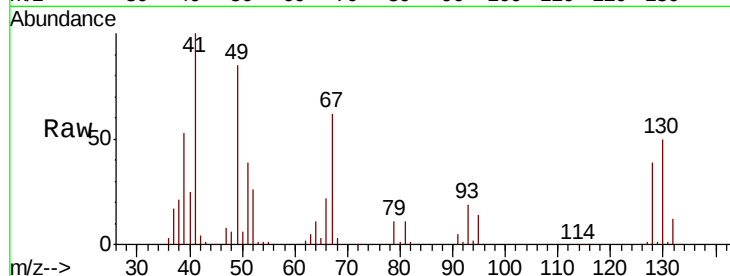




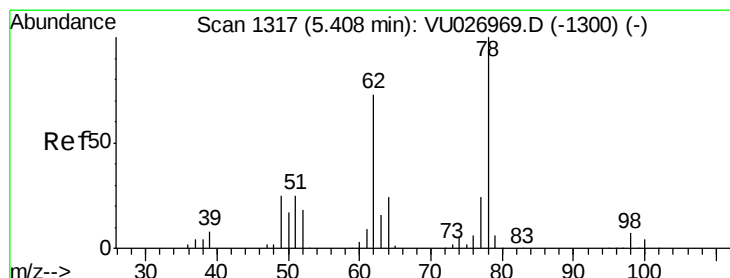
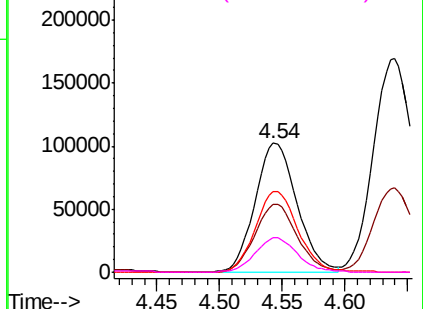
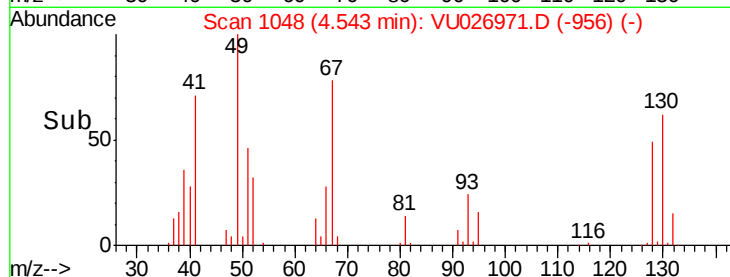
#41
Methacrylonitrile
Concen: 199.905 ug/l
RT: 4.54 min Scan# 1048
Delta R.T. -0.00 min
Lab File: VU026971.D
Acq: 21 Sep 2018 16:24

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC150

Tgt Ion: 41 Resp: 237453
Ion Ratio Lower Upper
41 100
39 53.0 42.9 64.3
67 64.2 52.4 78.6
52 26.2 21.3 31.9

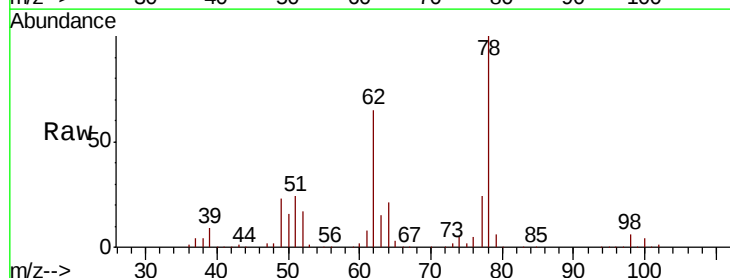


Abundance Ion 41.00 (40.70 to 41.70): VU0
Ion 39.00 (38.70 to 39.70): VU0
Ion 67.00 (66.70 to 67.70): VU0
Ion 52.00 (51.70 to 52.70): VU0

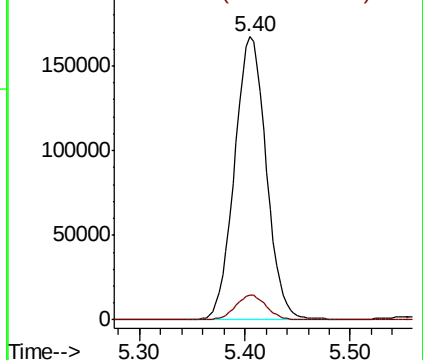
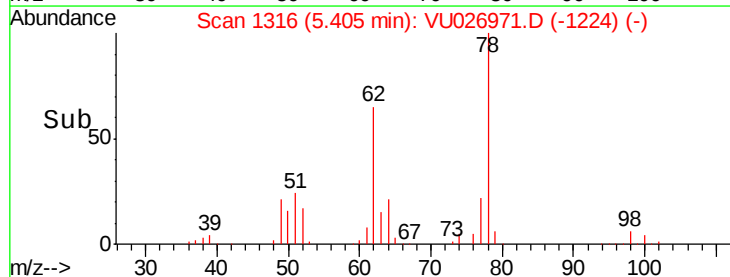


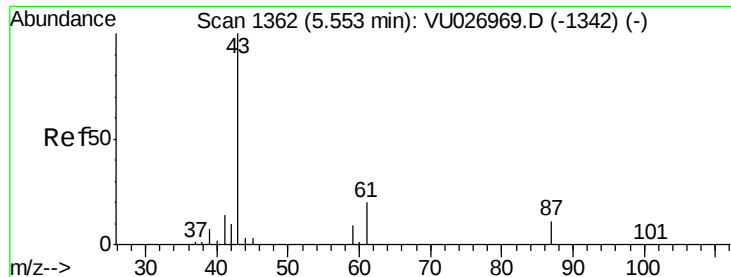
#42
1,2-Dichloroethane
Concen: 169.157 ug/l
RT: 5.40 min Scan# 1316
Delta R.T. -0.00 min
Lab File: VU026971.D
Acq: 21 Sep 2018 16:24

Tgt Ion: 62 Resp: 350045
Ion Ratio Lower Upper
62 100
98 8.5 0.0 17.0



Abundance Ion 61.90 (61.60 to 62.60): VU0
Ion 97.90 (97.60 to 98.60): VU0





#43

Isopropyl Acetate

Concen: 193.910 ug/l

RT: 5.55 min Scan# 1361

Delta R.T. -0.00 min

Lab File: VU026971.D

Acq: 21 Sep 2018 16:24

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC150

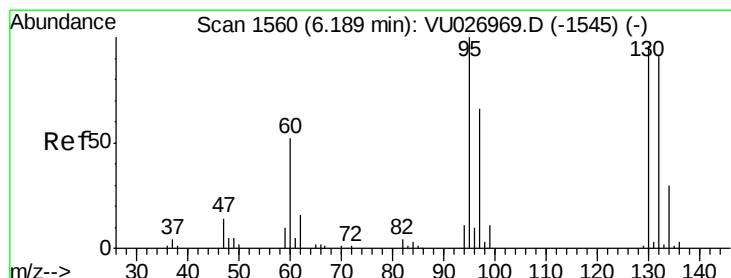
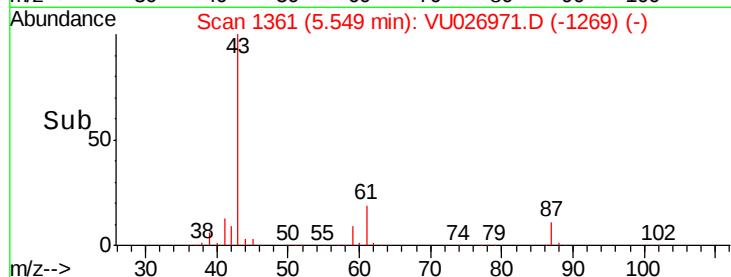
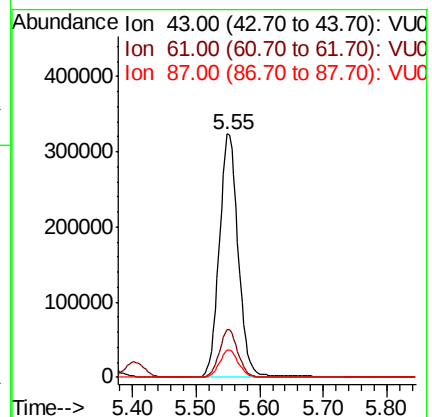
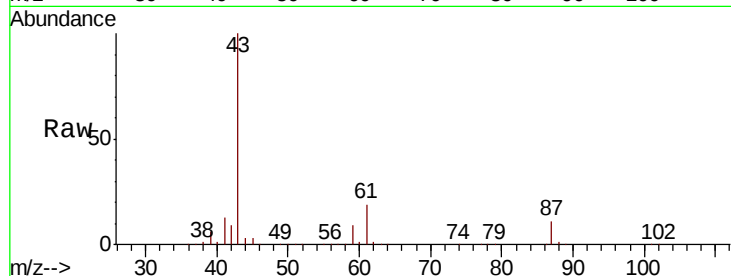
Tgt Ion: 43 Resp: 667736

Ion Ratio Lower Upper

43 100

61 19.3 15.7 23.5

87 11.1 9.0 13.4



#44

Trichloroethene

Concen: 151.517 ug/l

RT: 6.19 min Scan# 1559

Delta R.T. -0.00 min

Lab File: VU026971.D

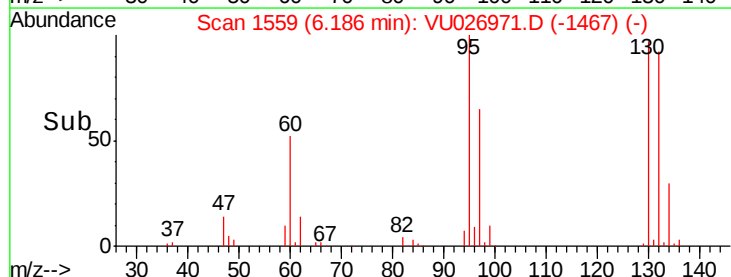
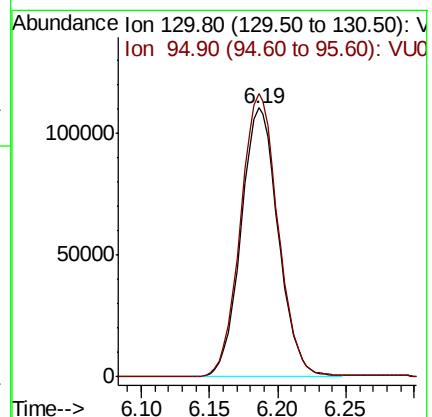
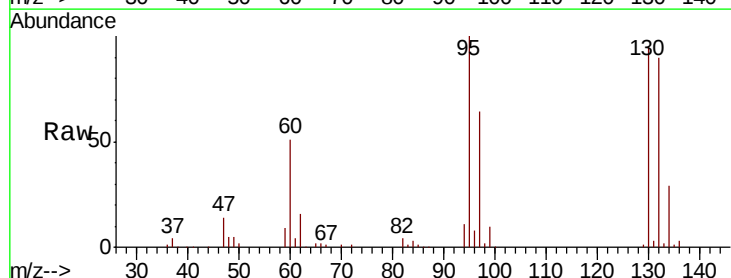
Acq: 21 Sep 2018 16:24

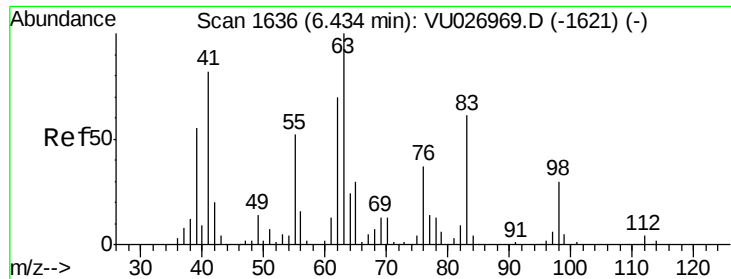
Tgt Ion: 130 Resp: 209111

Ion Ratio Lower Upper

130 100

95 105.3 0.0 208.8





#45

1,2-Dichloropropane

Concen: 174.739 ug/l

RT: 6.43 min Scan# 1636

Delta R.T. -0.00 min

Lab File: VU026971.D

Acq: 21 Sep 2018 16:24

Instrument :

MSVOA_U

ClientSampleId :

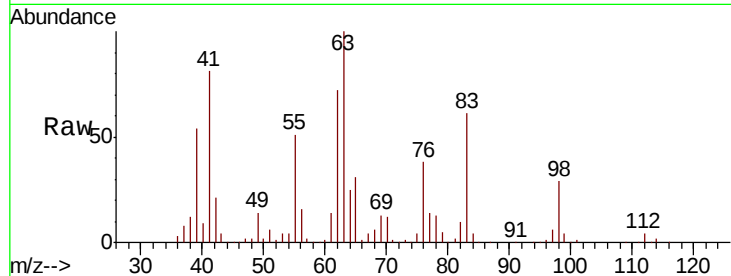
VSTDIC150

Tgt Ion: 63 Resp: 273674

Ion Ratio Lower Upper

63 100

65 31.4 24.3 36.5



Abundance Ion 62.90 (62.60 to 63.60): VU026971.D (-1543) (-)

Ion 64.90 (64.60 to 65.60): VU026971.D (-1543) (-)

6.43

150000

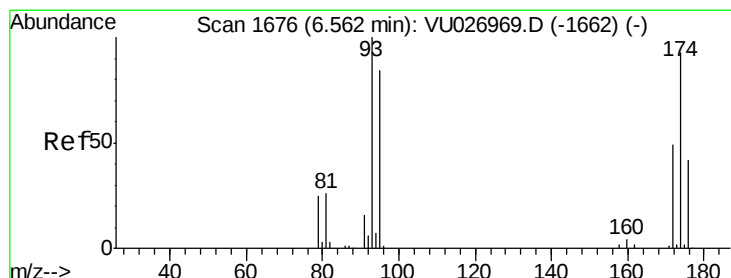
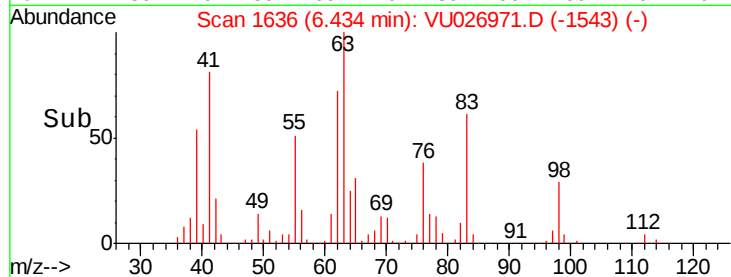
100000

50000

0

6.35 6.40 6.45 6.50

Time-->



#46

Dibromomethane

Concen: 162.276 ug/l

RT: 6.56 min Scan# 1675

Delta R.T. -0.00 min

Lab File: VU026971.D

Acq: 21 Sep 2018 16:24

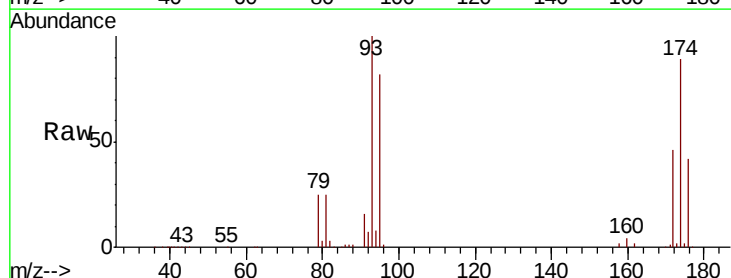
Tgt Ion: 93 Resp: 161291

Ion Ratio Lower Upper

93 100

95 83.0 66.2 99.4

174 89.2 71.7 107.5



Abundance Ion 92.80 (92.50 to 93.50): VU026971.D (-1583) (-)

Ion 94.80 (94.50 to 95.50): VU026971.D (-1583) (-)

Ion 173.70 (173.40 to 174.40): VU026971.D (-1583) (-)

6.56

100000

80000

60000

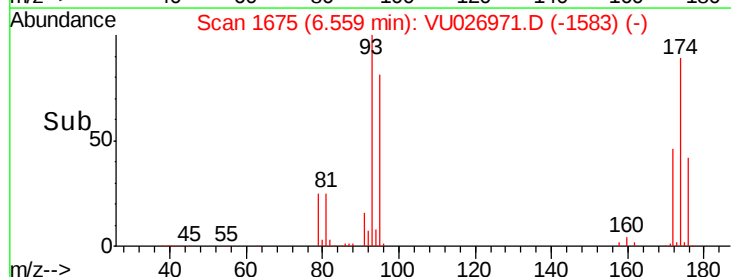
40000

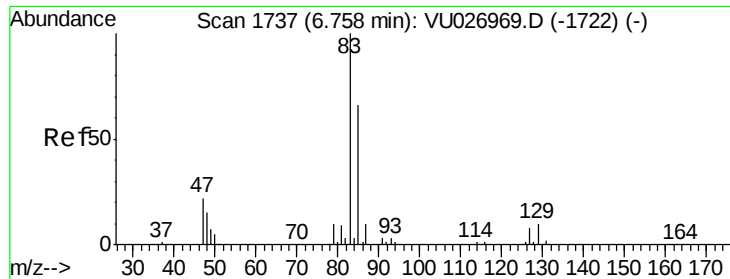
20000

0

6.50 6.60 6.70

Time-->





#47

Bromodichloromethane

Concen: 165.852 ug/l

RT: 6.76 min Scan# 1737

Delta R.T. -0.00 min

Lab File: VU026971.D

Acq: 21 Sep 2018 16:24

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC150

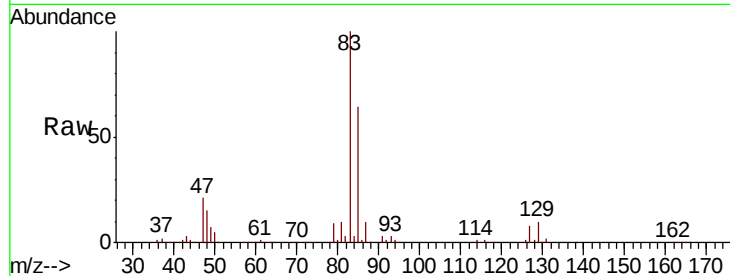
Tgt Ion: 83 Resp: 326481

Ion Ratio Lower Upper

83 100

85 63.8 52.5 78.7

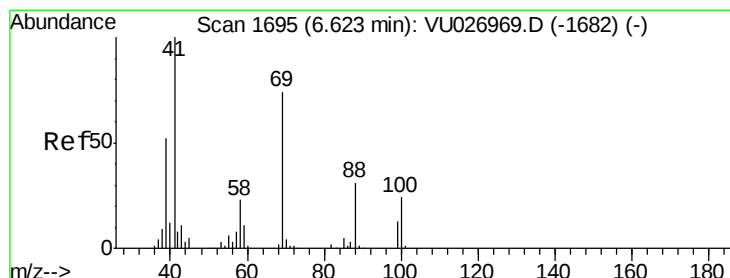
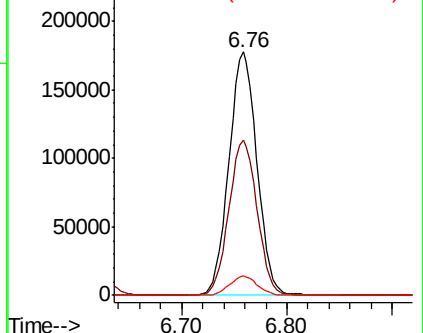
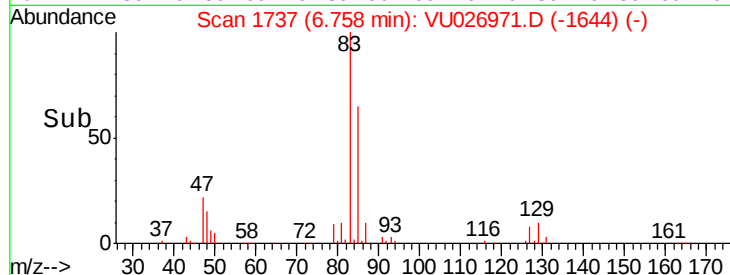
127 7.9 6.3 9.5



Abundance Ion 82.90 (82.60 to 83.60): VU0

Ion 84.90 (84.60 to 85.60): VU0

Ion 126.80 (126.50 to 127.50): V



#48

Methyl methacrylate

Concen: 203.003 ug/l

RT: 6.62 min Scan# 1695

Delta R.T. -0.00 min

Lab File: VU026971.D

Acq: 21 Sep 2018 16:24

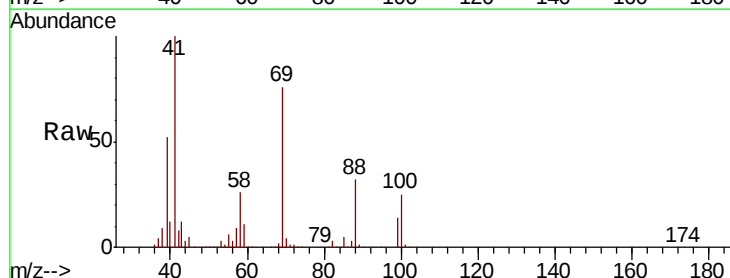
Tgt Ion: 41 Resp: 346383

Ion Ratio Lower Upper

41 100

69 77.1 60.6 90.8

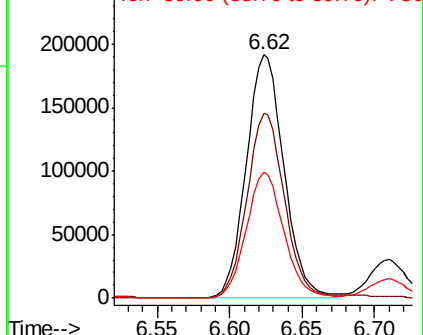
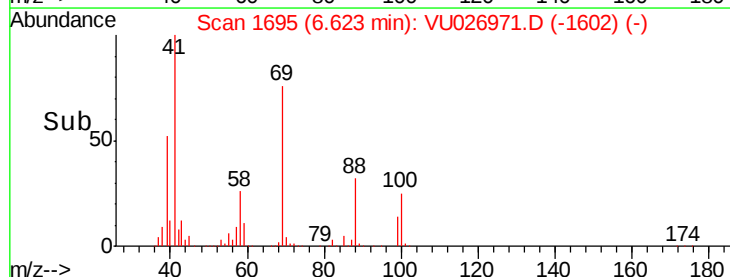
39 51.5 42.8 64.2



Abundance Ion 41.00 (40.70 to 41.70): VU0

Ion 69.00 (68.70 to 69.70): VU0

Ion 39.00 (38.70 to 39.70): VU0

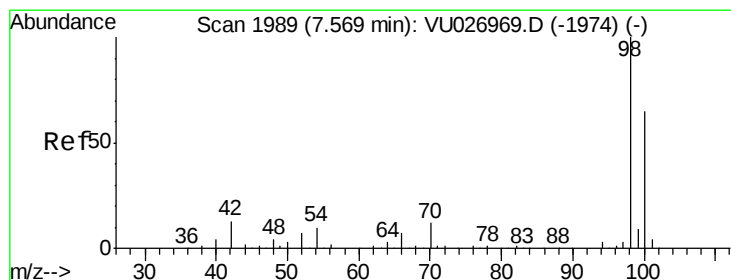
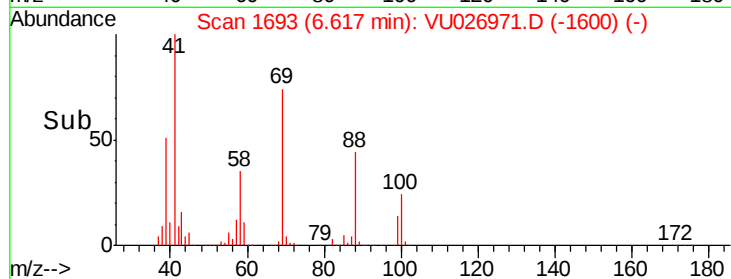
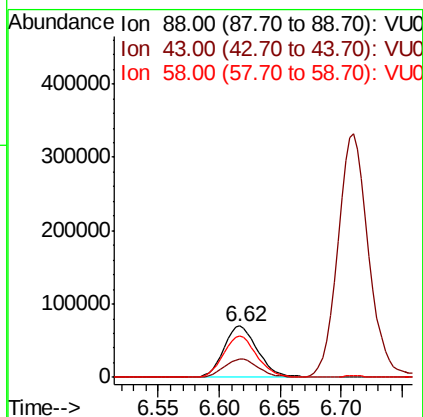
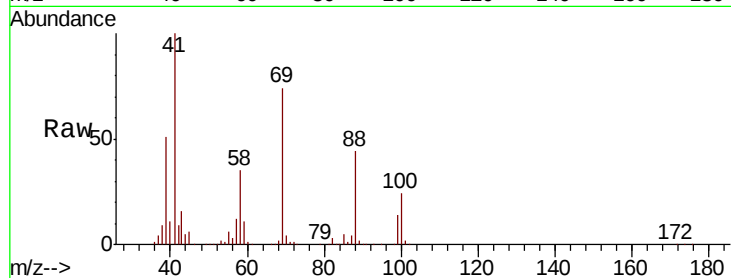




#49
1,4-Dioxane
Concen: 3526.051 ug/l
RT: 6.62 min Scan# 1693
Delta R.T. -0.00 min
Lab File: VU026971.D
Acq: 21 Sep 2018 16:24

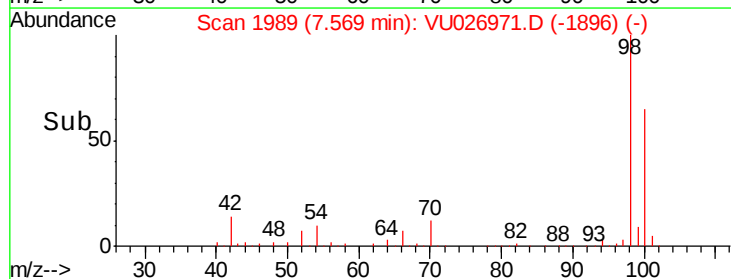
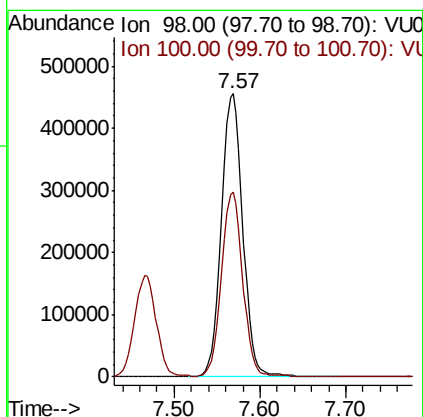
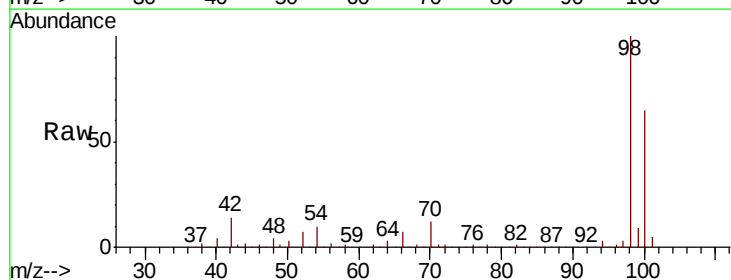
Instrument :
MSVOA_U
ClientSampleId :
VSTDIC150

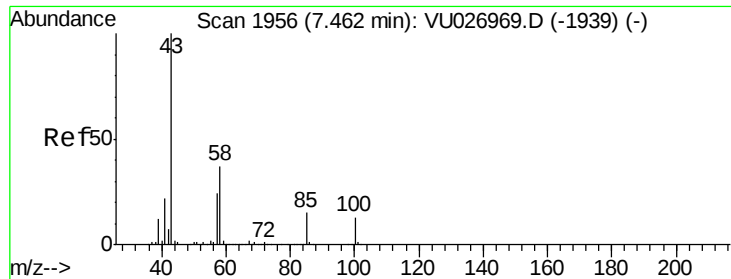
Tgt Ion: 88 Resp: 135196
Ion Ratio Lower Upper
88 100
43 37.1 29.8 44.8
58 80.7 63.9 95.9



#50
Toluene-d8
Concen: 159.865 ug/l
RT: 7.57 min Scan# 1989
Delta R.T. -0.00 min
Lab File: VU026971.D
Acq: 21 Sep 2018 16:24

Tgt Ion: 98 Resp: 791422
Ion Ratio Lower Upper
98 100
100 64.8 52.1 78.1

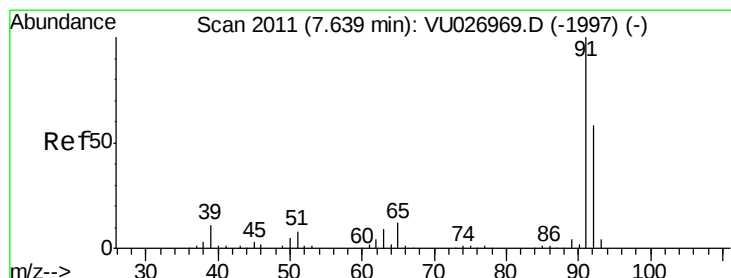
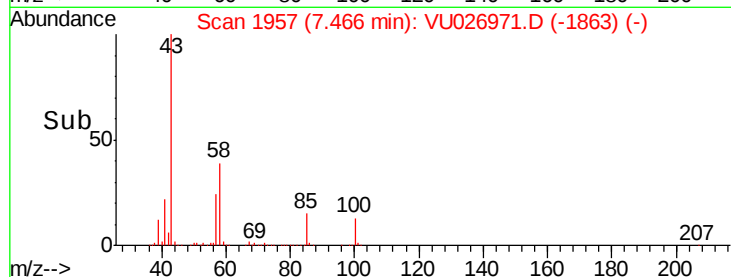
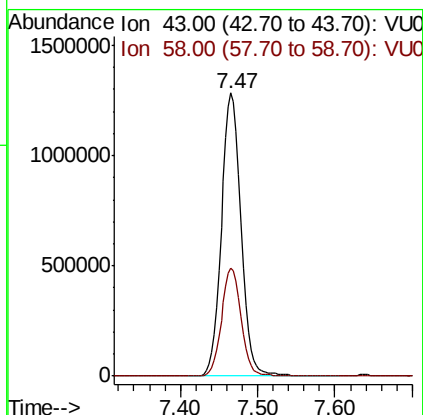
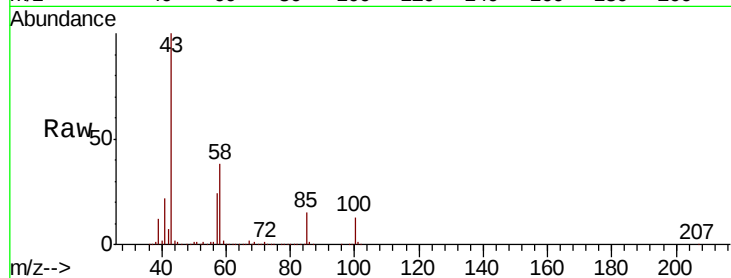




#51
 4-Methyl-2-Pentanone
 Concen: 978.886 ug/l
 RT: 7.47 min Scan# 1957
 Delta R.T. 0.00 min
 Lab File: VU026971.D
 Acq: 21 Sep 2018 16:24

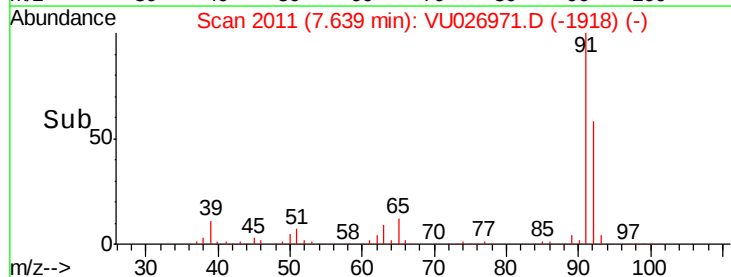
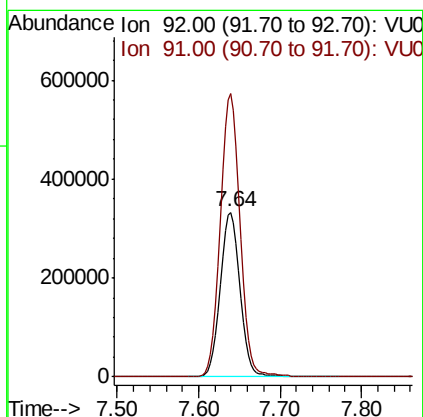
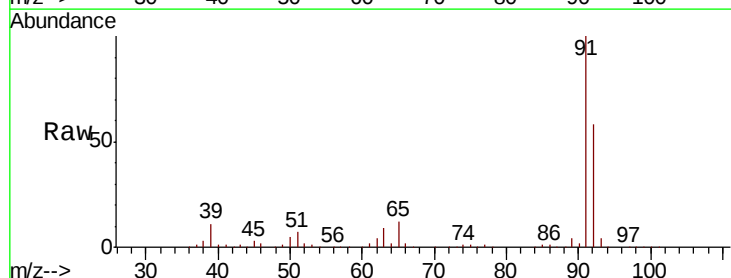
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC150

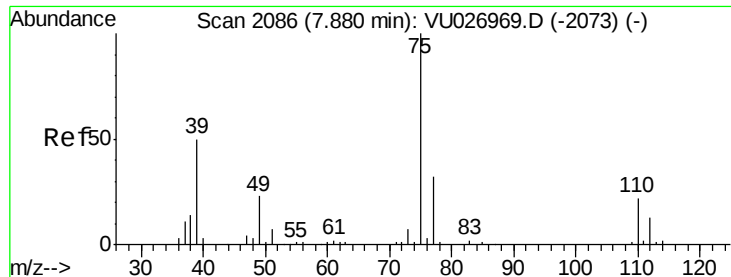
Tgt Ion: 43 Resp: 2273772
 Ion Ratio Lower Upper
 43 100
 58 38.1 29.8 44.6



#52
 Toluene
 Concen: 168.479 ug/l
 RT: 7.64 min Scan# 2011
 Delta R.T. -0.00 min
 Lab File: VU026971.D
 Acq: 21 Sep 2018 16:24

Tgt Ion: 92 Resp: 574644
 Ion Ratio Lower Upper
 92 100
 91 171.8 136.4 204.6

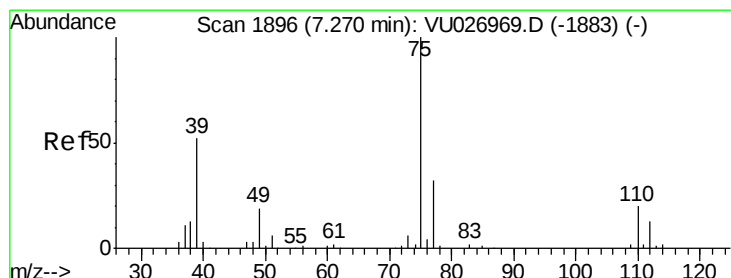
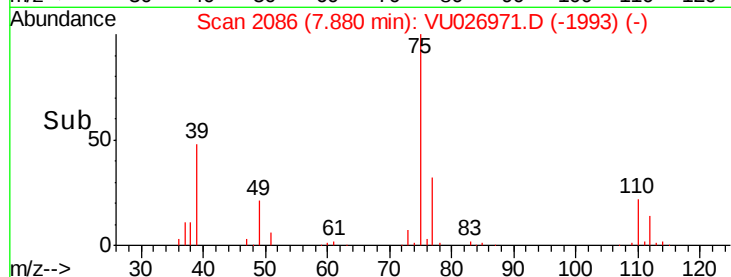
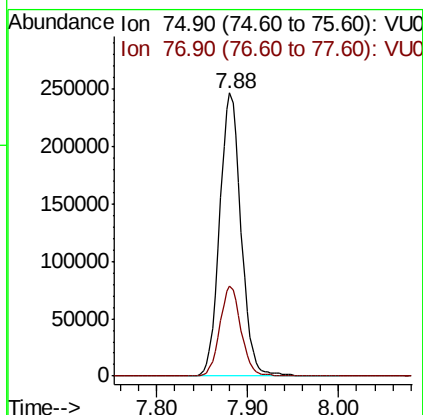
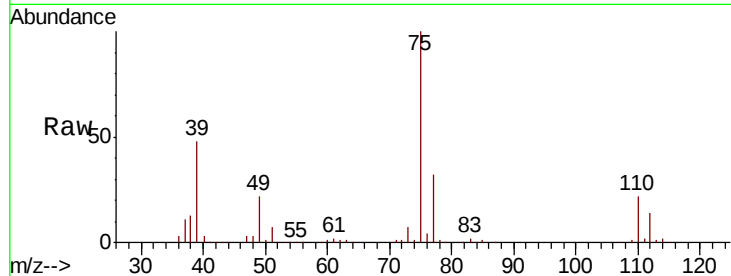




#53
t-1,3-Dichloropropene
Concen: 183.864 ug/l
RT: 7.88 min Scan# 2086
Delta R.T. -0.00 min
Lab File: VU026971.D
Acq: 21 Sep 2018 16:24

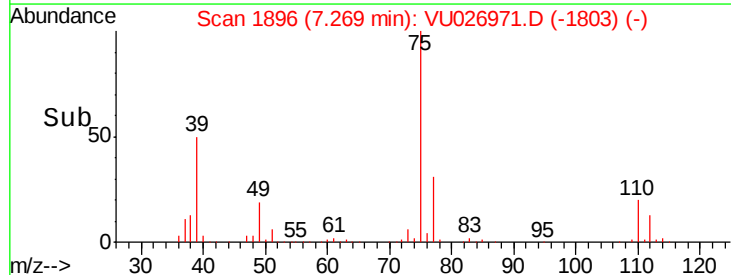
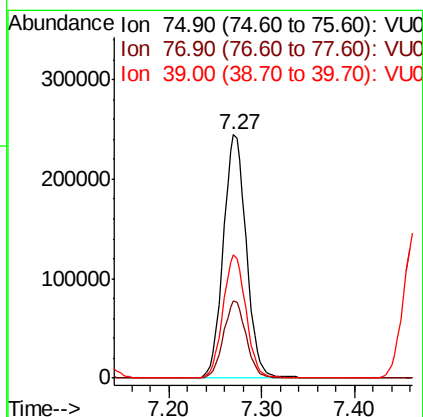
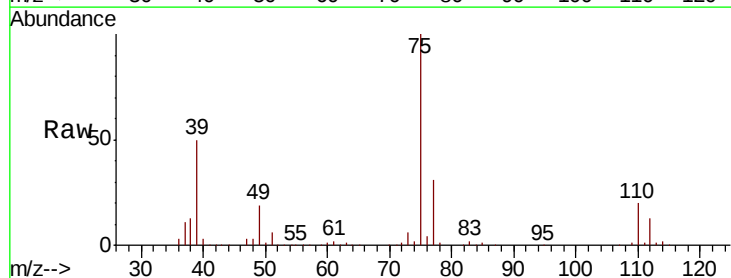
Instrument :
MSVOA_U
ClientSampleId :
VSTDIC150

Tgt Ion: 75 Resp: 403585
Ion Ratio Lower Upper
75 100
77 31.8 25.3 37.9



#54
cis-1,3-Dichloropropene
Concen: 177.864 ug/l
RT: 7.27 min Scan# 1896
Delta R.T. -0.00 min
Lab File: VU026971.D
Acq: 21 Sep 2018 16:24

Tgt Ion: 75 Resp: 420915
Ion Ratio Lower Upper
75 100
77 31.5 25.4 38.0
39 50.3 41.6 62.4

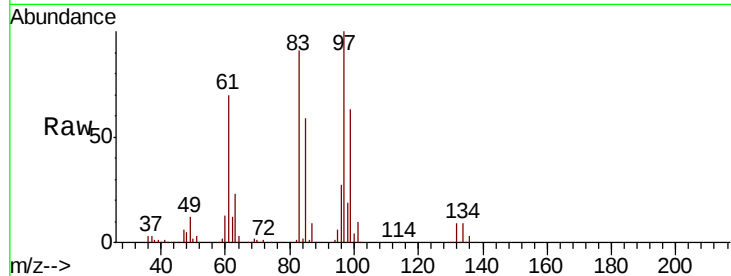




#55
 1,1,2-Trichloroethane
 Concen: 159.588 ug/l
 RT: 8.07 min Scan# 2145
 Delta R.T. -0.00 min
 Lab File: VU026971.D
 Acq: 21 Sep 2018 16:24

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC150

Tgt Ion:	97	Resp:	231526
Ion	Ratio	Lower	Upper
97	100		
83	91.0	73.1	109.7
85	58.5	46.7	70.1
99	63.0	50.0	75.0



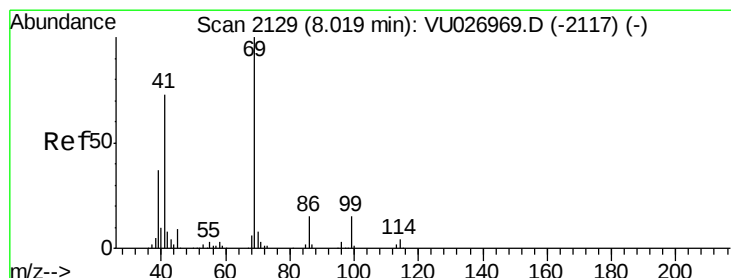
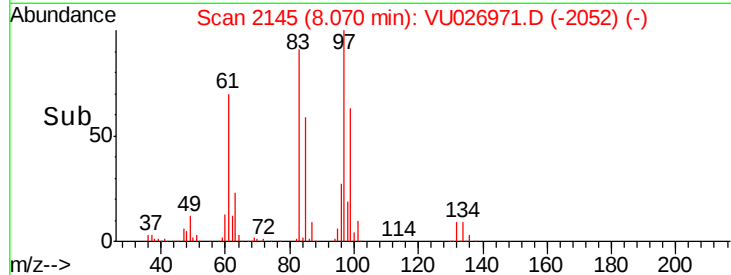
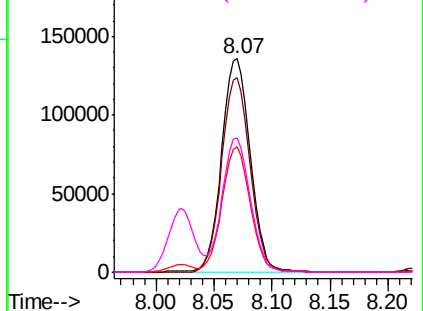
Abundance

Ion 96.90 (96.60 to 97.60): VU0

Ion 82.90 (82.60 to 83.60): VU0

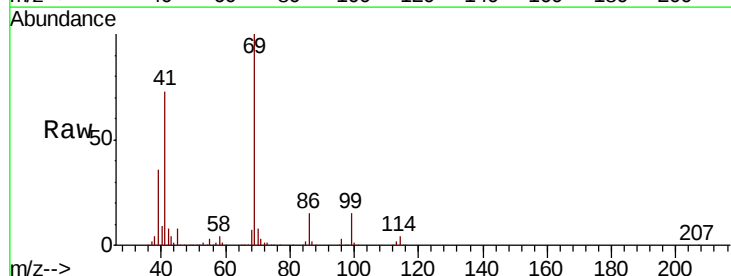
Ion 84.90 (84.60 to 85.60): VU0

Ion 98.90 (98.60 to 99.60): VU0



#56
 Ethyl methacrylate
 Concen: 198.196 ug/l
 RT: 8.02 min Scan# 2130
 Delta R.T. 0.00 min
 Lab File: VU026971.D
 Acq: 21 Sep 2018 16:24

Tgt Ion:	69	Resp:	423681
Ion	Ratio	Lower	Upper
69	100		
41	72.9	59.0	88.4
39	36.4	30.2	45.4

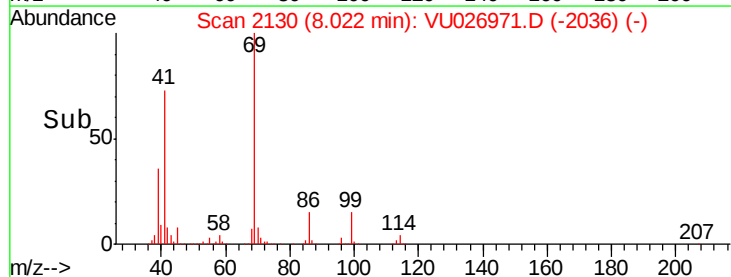
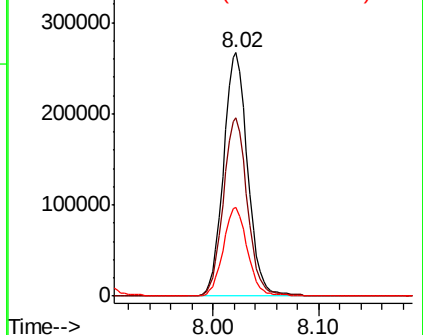


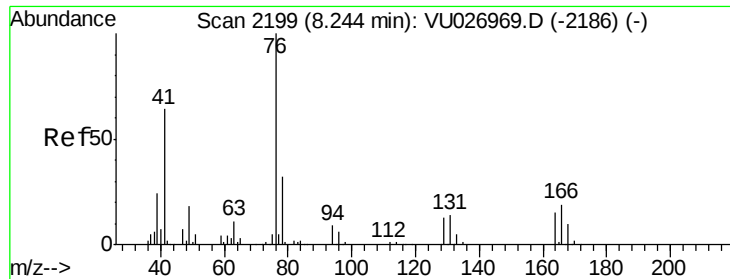
Abundance

Ion 69.00 (68.70 to 69.70): VU0

Ion 41.00 (40.70 to 41.70): VU0

Ion 39.00 (38.70 to 39.70): VU0

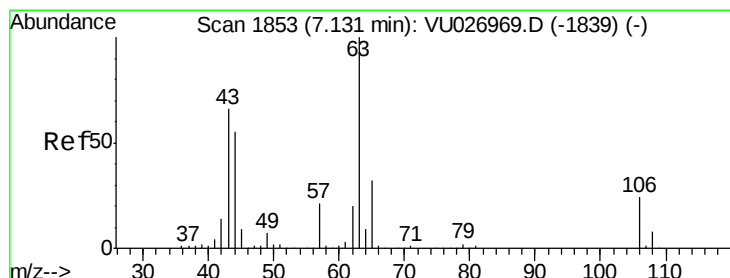
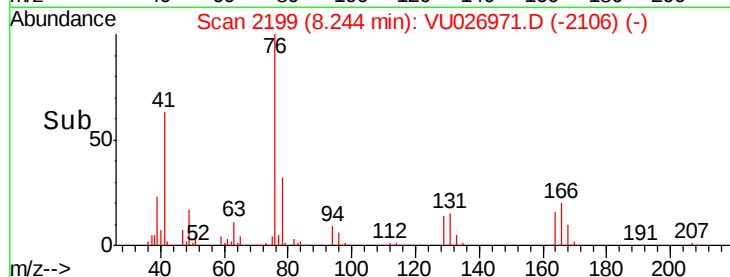
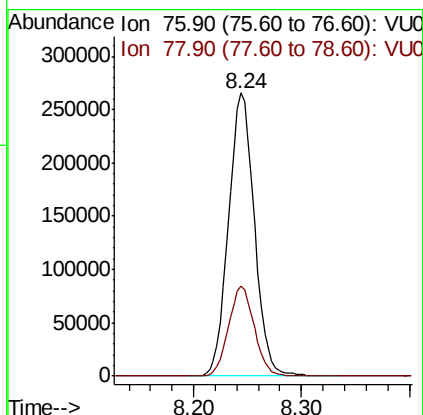
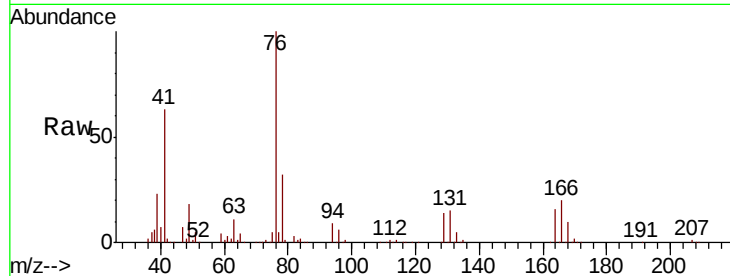




#57
 1,3-Dichloropropane
 Concen: 176.621 ug/l
 RT: 8.24 min Scan# 2199
 Delta R.T. -0.00 min
 Lab File: VU026971.D
 Acq: 21 Sep 2018 16:24

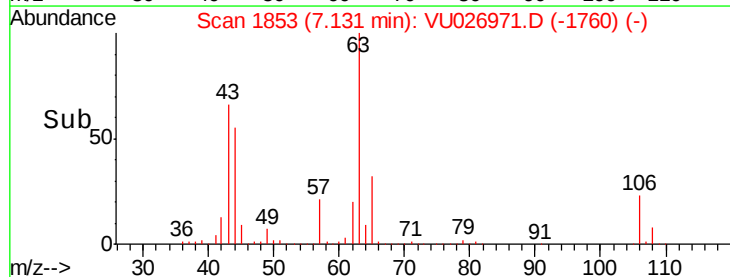
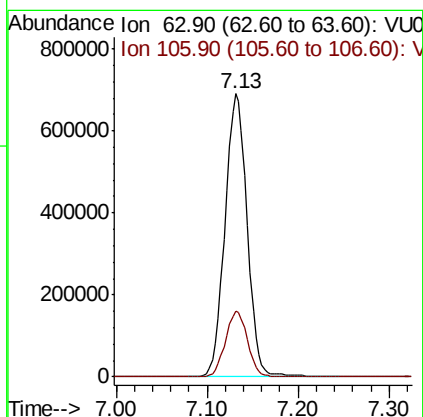
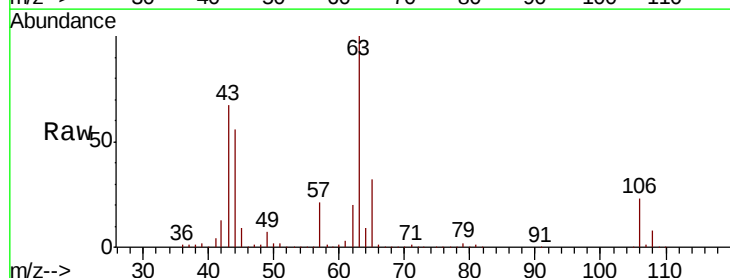
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC150

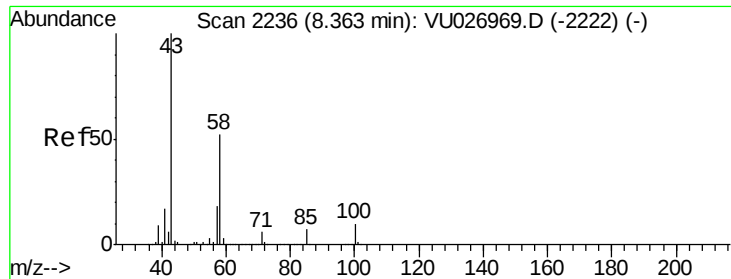
Tgt Ion: 76 Resp: 444593
 Ion Ratio Lower Upper
 76 100
 78 31.7 25.5 38.3



#58
 2-Chloroethyl Vinyl ether
 Concen: 1067.033 ug/l
 RT: 7.13 min Scan# 1853
 Delta R.T. -0.00 min
 Lab File: VU026971.D
 Acq: 21 Sep 2018 16:24

Tgt Ion: 63 Resp: 1169103
 Ion Ratio Lower Upper
 63 100
 106 23.3 18.7 28.1

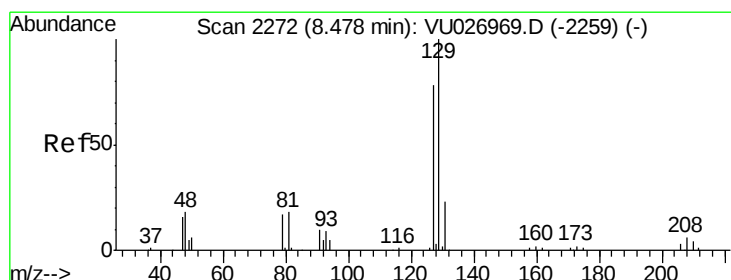
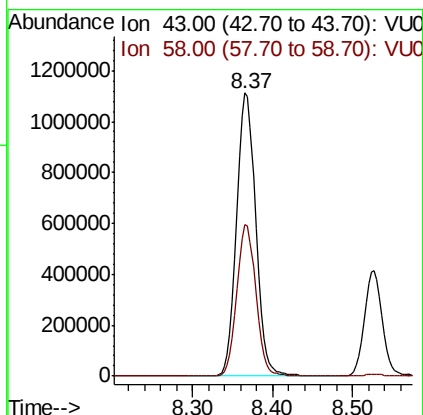
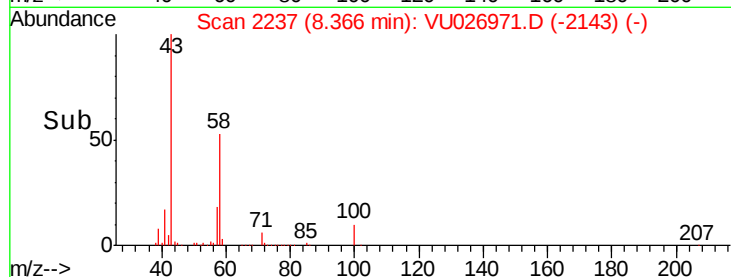
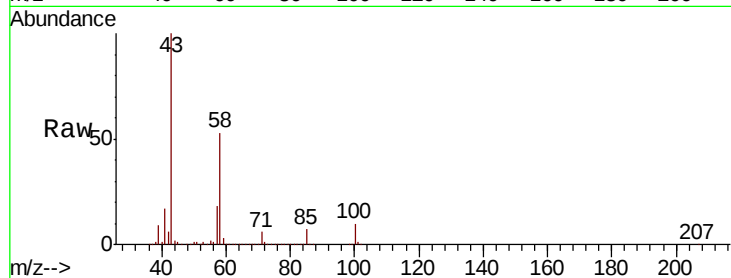




#59
2-Hexanone
Concen: 983.145 ug/l
RT: 8.37 min Scan# 2237
Delta R.T. 0.00 min
Lab File: VU026971.D
Acq: 21 Sep 2018 16:24

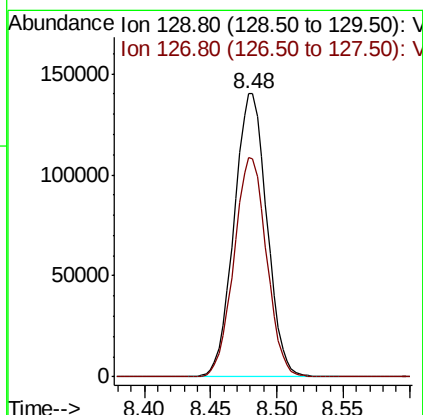
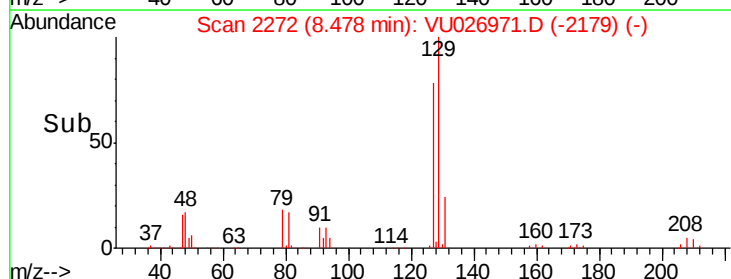
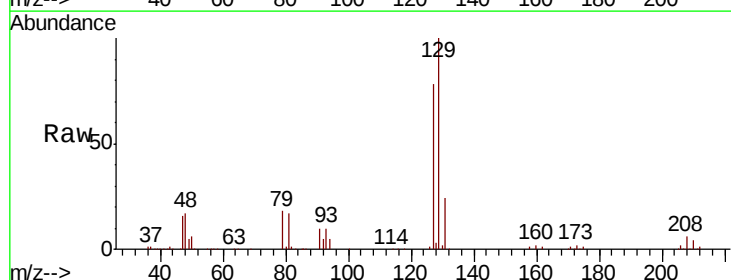
Instrument :
MSVOA_U
ClientSampleId :
VSTDIC150

Tgt Ion: 43 Resp: 1787289
Ion Ratio Lower Upper
43 100
58 53.2 26.1 78.2



#60
Dibromochloromethane
Concen: 156.698 ug/l
RT: 8.48 min Scan# 2272
Delta R.T. -0.00 min
Lab File: VU026971.D
Acq: 21 Sep 2018 16:24

Tgt Ion: 129 Resp: 241080
Ion Ratio Lower Upper
129 100
127 76.9 38.1 114.5





#61

1,2-Dibromoethane

Concen: 157.836 ug/l

RT: 8.59 min Scan# 2306

Delta R.T. -0.00 min

Lab File: VU026971.D

Acq: 21 Sep 2018 16:24

Instrument :

MSVOA_U

ClientSampleId :

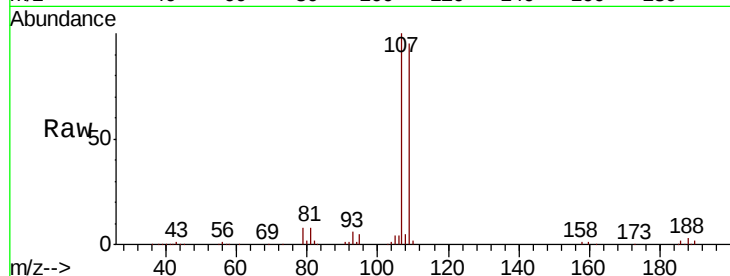
VSTDIC150

Tgt Ion: 107 Resp: 247431

Ion Ratio Lower Upper

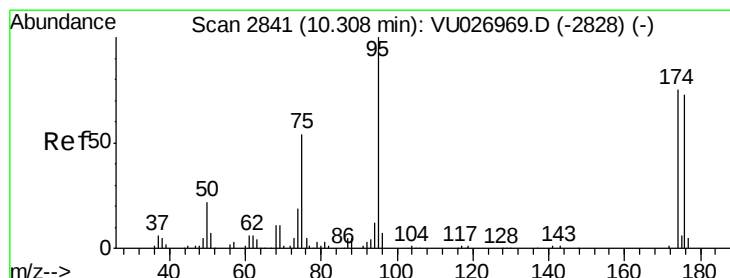
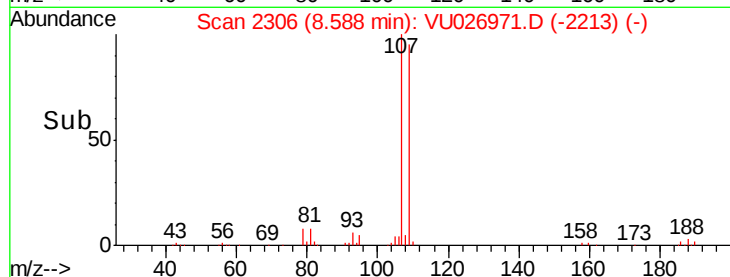
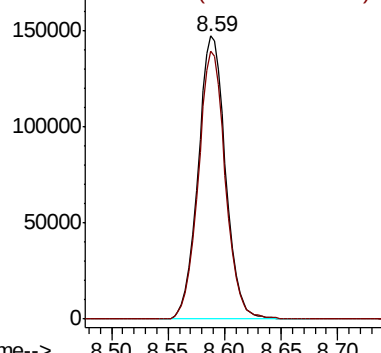
107 100

109 93.6 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: 171.457 ug/l

RT: 10.31 min Scan# 2841

Delta R.T. -0.00 min

Lab File: VU026971.D

Acq: 21 Sep 2018 16:24

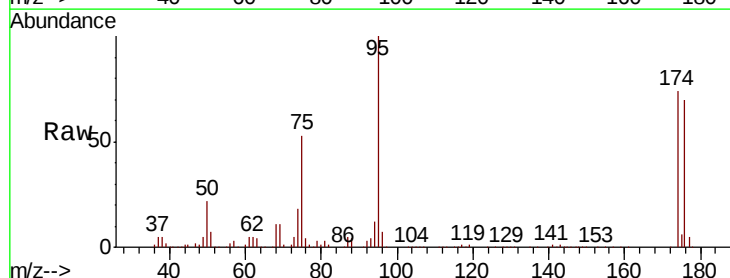
Tgt Ion: 95 Resp: 304366

Ion Ratio Lower Upper

95 100

174 74.6 0.0 150.2

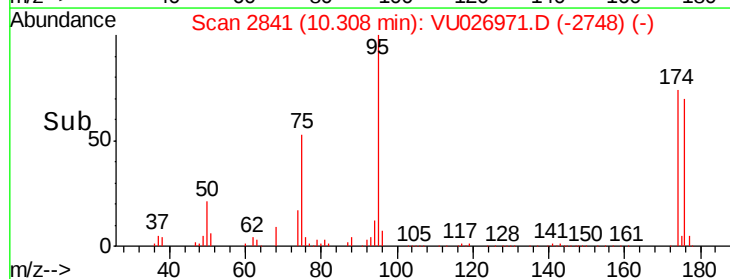
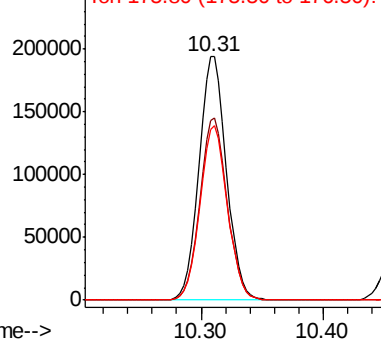
176 71.6 0.0 145.2

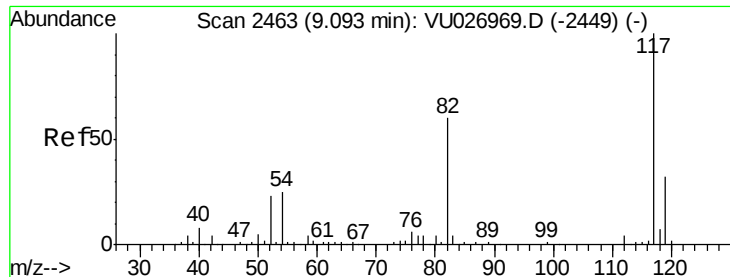


Abundance Ion 94.90 (94.60 to 95.60): VU0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

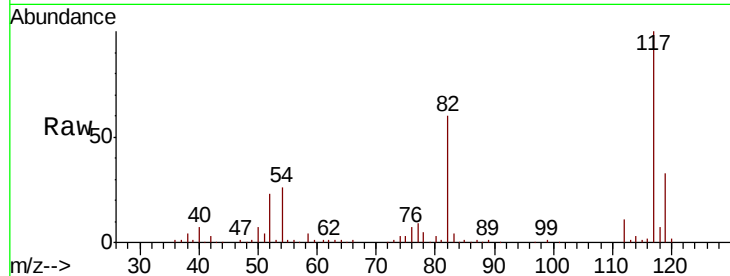




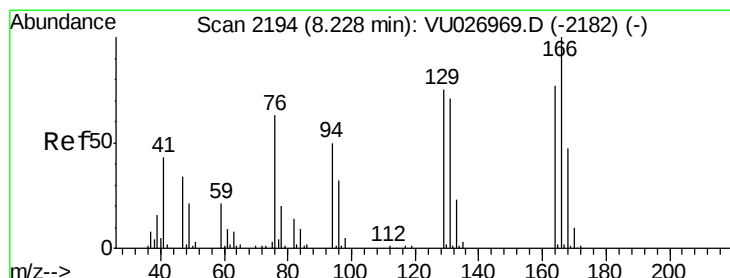
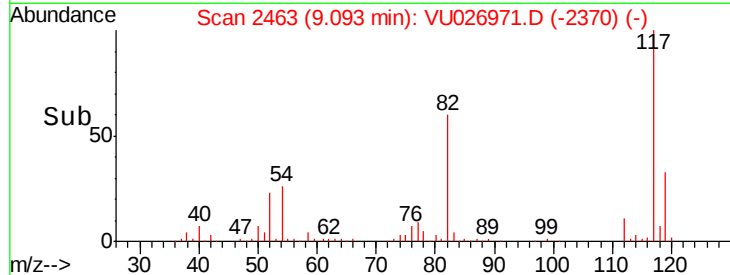
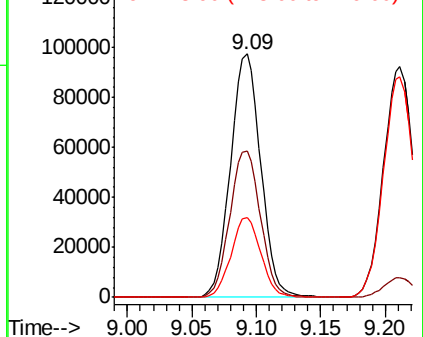
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.09 min Scan# 2463
Delta R.T. -0.00 min
Lab File: VU026971.D
Acq: 21 Sep 2018 16:24

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC150

Tgt Ion:117 Resp: 158904
Ion Ratio Lower Upper
117 100
82 60.0 48.0 72.0
119 32.7 25.8 38.8



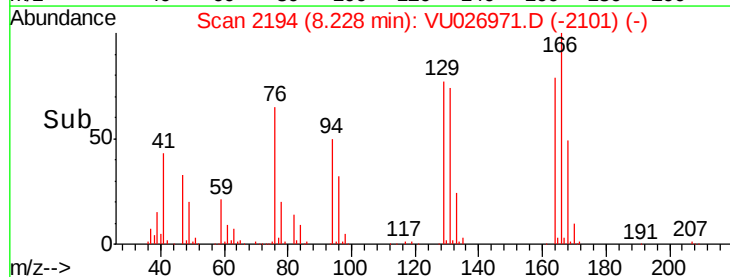
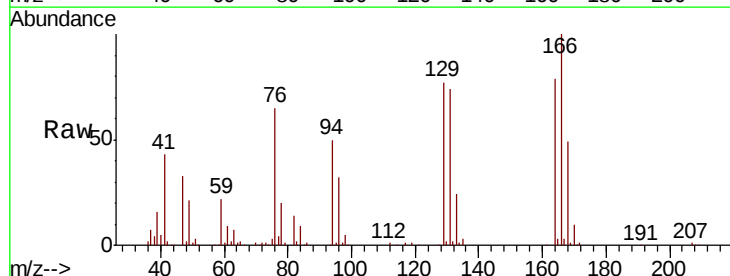
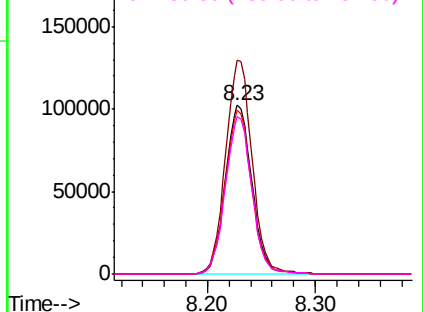
Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VU0
Ion 118.90 (118.60 to 119.60): V

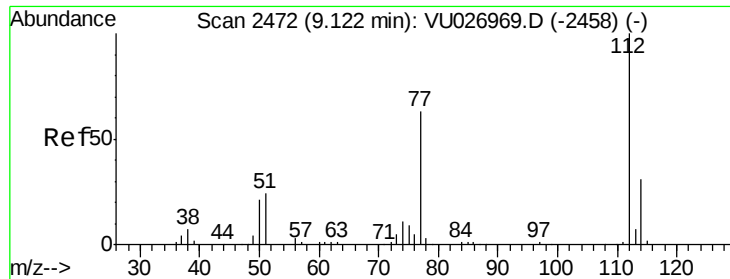


#64
Tetrachloroethene
Concen: 140.646 ug/l
RT: 8.23 min Scan# 2194
Delta R.T. -0.00 min
Lab File: VU026971.D
Acq: 21 Sep 2018 16:24

Tgt Ion:164 Resp: 175699
Ion Ratio Lower Upper
164 100
166 126.5 104.4 156.6
129 97.1 78.7 118.1
131 93.4 73.9 110.9

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

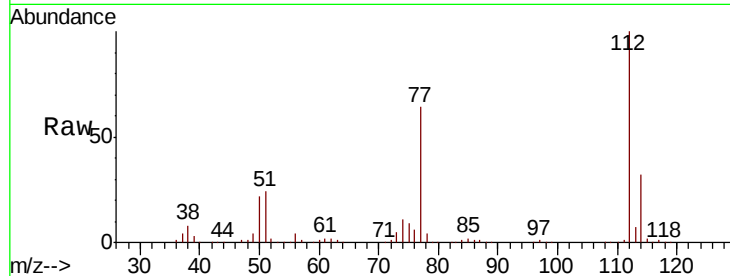




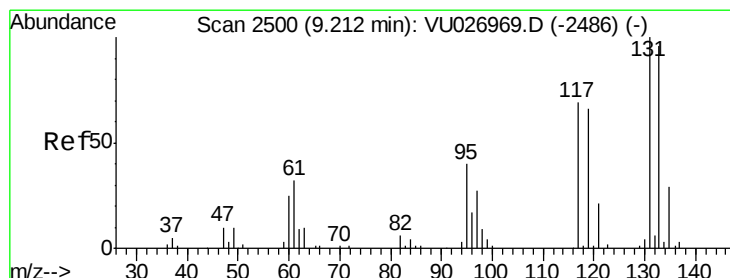
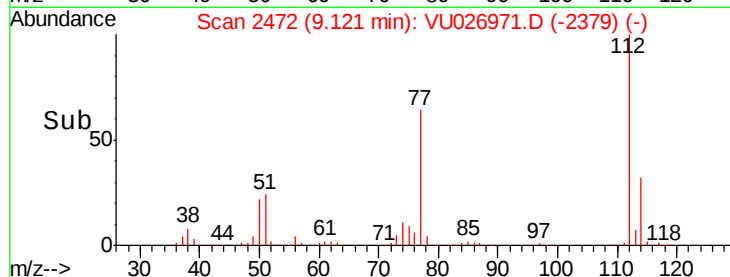
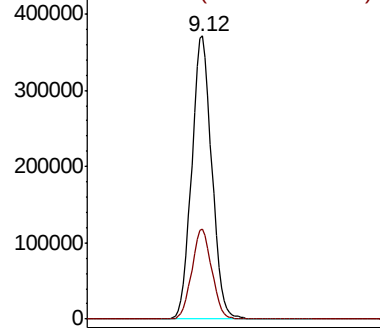
#65
Chlorobenzene
Concen: 154.999 ug/l
RT: 9.12 min Scan# 2472
Delta R.T. -0.00 min
Lab File: VU026971.D
Acq: 21 Sep 2018 16:24

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC150

Tgt Ion:112 Resp: 612746
Ion Ratio Lower Upper
112 100
114 31.9 25.0 37.6

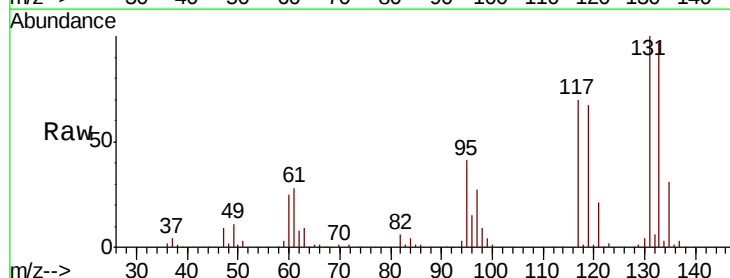


Abundance Ion 111.90 (111.60 to 112.60): V
Ion 113.90 (113.60 to 114.60): V

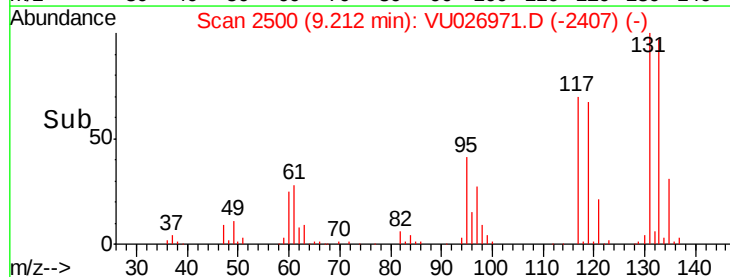
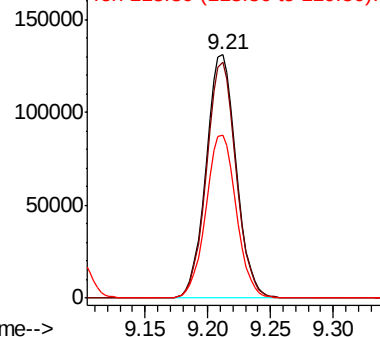


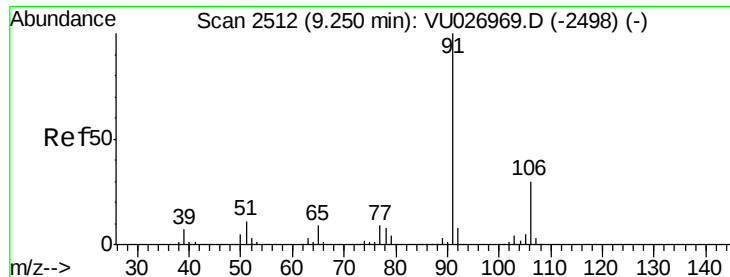
#66
1,1,1,2-Tetrachloroethane
Concen: 150.820 ug/l
RT: 9.21 min Scan# 2500
Delta R.T. -0.00 min
Lab File: VU026971.D
Acq: 21 Sep 2018 16:24

Tgt Ion:131 Resp: 218444
Ion Ratio Lower Upper
131 100
133 95.4 48.0 144.2
119 67.6 33.4 100.1



Abundance Ion 130.80 (130.50 to 131.50): V
Ion 132.80 (132.50 to 133.50): V
Ion 118.80 (118.50 to 119.50): V

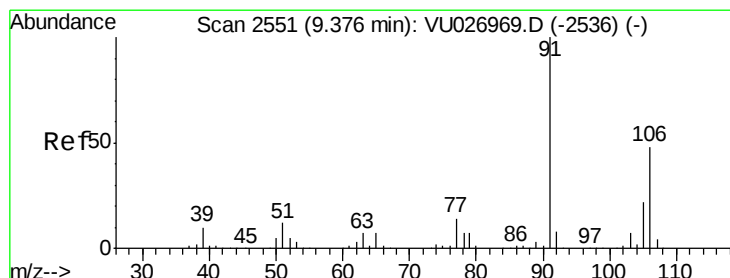
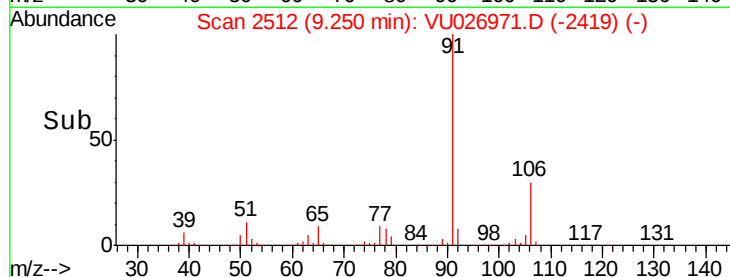
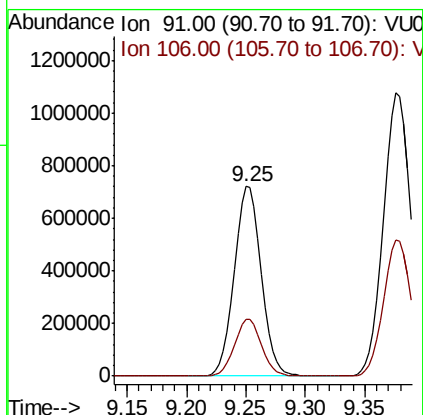
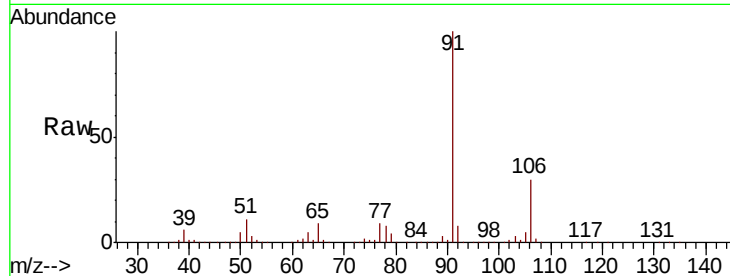




#67
 Ethyl Benzene
 Concen: 172.175 ug/l
 RT: 9.25 min Scan# 2512
 Delta R.T. -0.00 min
 Lab File: VU026971.D
 Acq: 21 Sep 2018 16:24

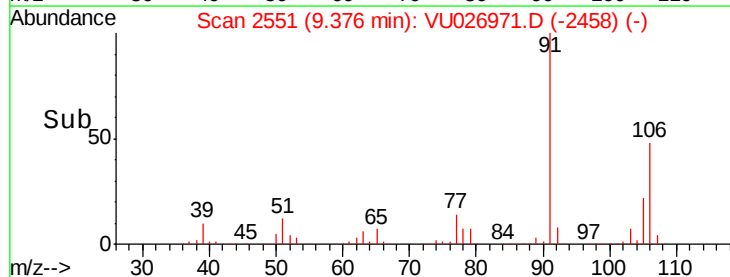
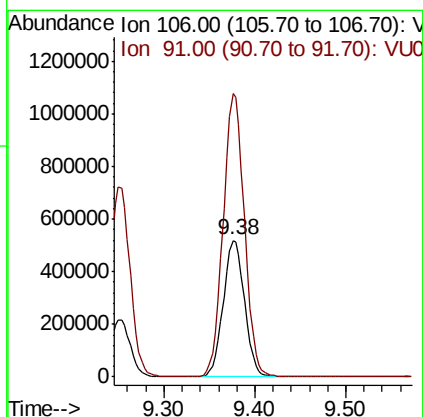
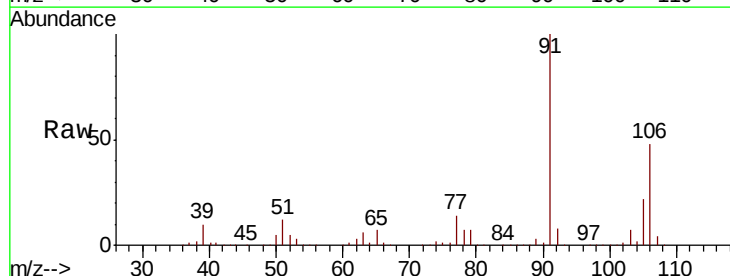
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC150

Tgt Ion: 91 Resp: 1132389
 Ion Ratio Lower Upper
 91 100
 106 30.1 23.8 35.8



#68
 m/p-Xylenes
 Concen: 339.323 ug/l
 RT: 9.38 min Scan# 2551
 Delta R.T. -0.00 min
 Lab File: VU026971.D
 Acq: 21 Sep 2018 16:24

Tgt Ion: 106 Resp: 843897
 Ion Ratio Lower Upper
 106 100
 91 207.2 166.5 249.7

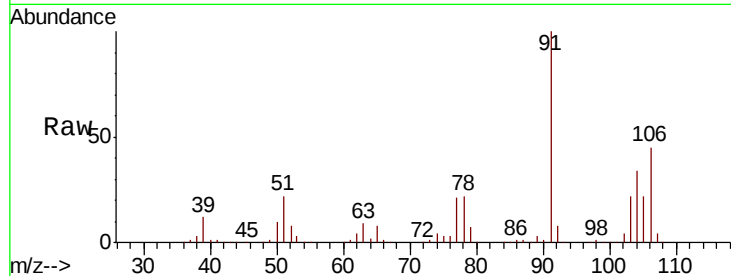




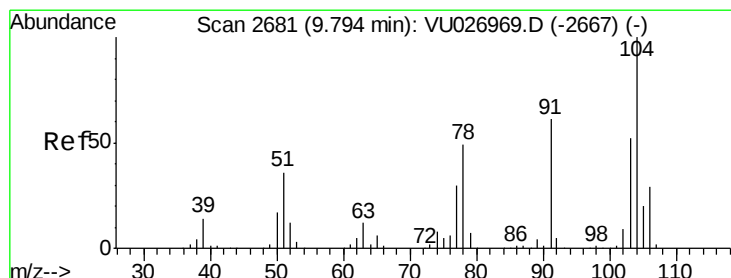
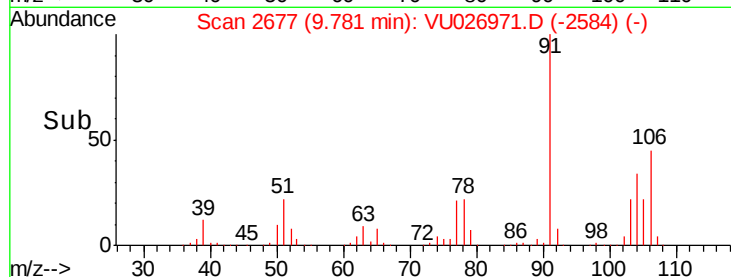
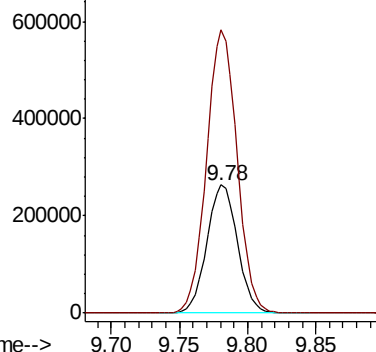
#69
o-Xylene
Concen: 169.952 ug/l
RT: 9.78 min Scan# 2677
Delta R.T. -0.00 min
Lab File: VU026971.D
Acq: 21 Sep 2018 16:24

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC150

Tgt Ion:106 Resp: 409953
Ion Ratio Lower Upper
106 100
91 220.6 110.2 330.6

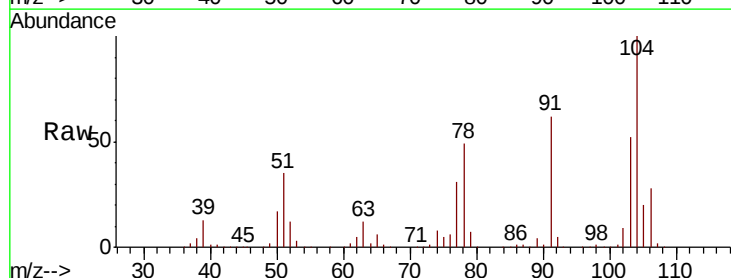


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VU0

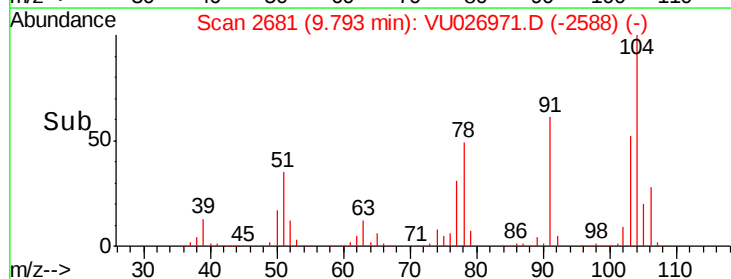
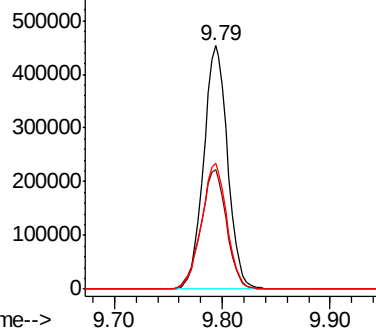


#70
Styrene
Concen: 178.279 ug/l
RT: 9.79 min Scan# 2681
Delta R.T. -0.00 min
Lab File: VU026971.D
Acq: 21 Sep 2018 16:24

Tgt Ion:104 Resp: 704872
Ion Ratio Lower Upper
104 100
78 52.6 43.0 64.4
103 54.7 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: 152.814 ug/l

RT: 9.96 min Scan# 2733

Delta R.T. 0.00 min

Lab File: VU026971.D

Acq: 21 Sep 2018 16:24

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC150

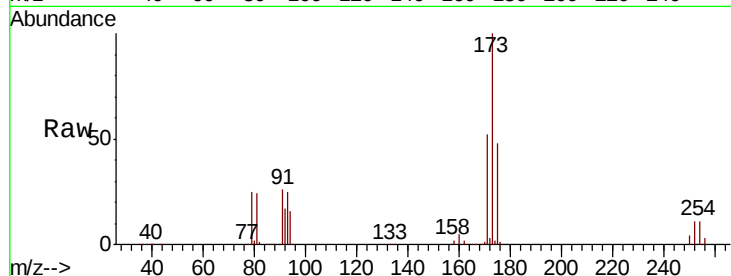
Tgt Ion:173 Resp: 188401

Ion Ratio Lower Upper

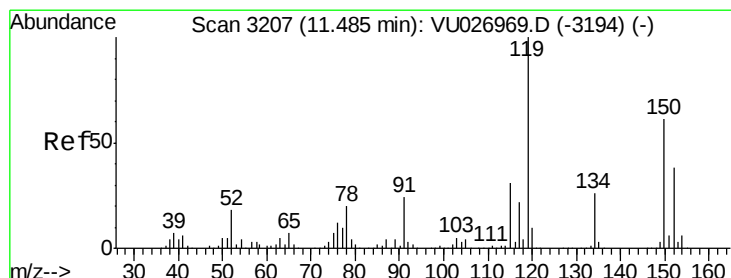
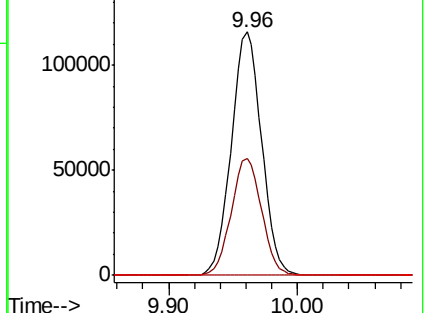
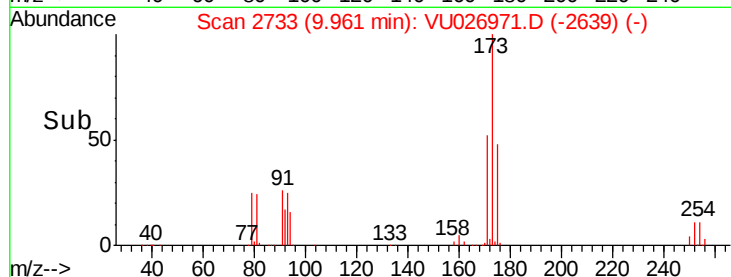
173 100

175 48.0 23.9 71.8

254 0.1 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: VU026971.D

Acq: 21 Sep 2018 16:24

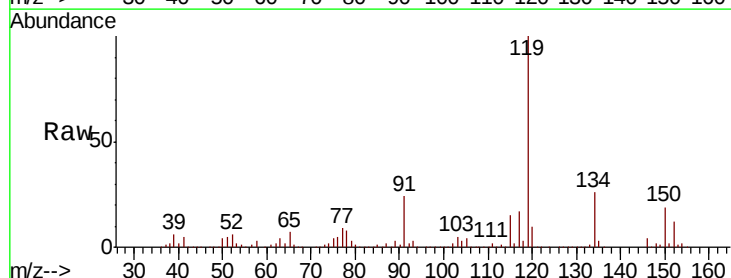
Tgt Ion:152 Resp: 94469

Ion Ratio Lower Upper

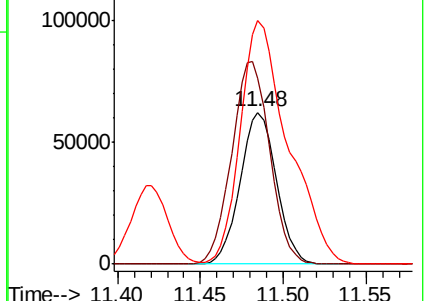
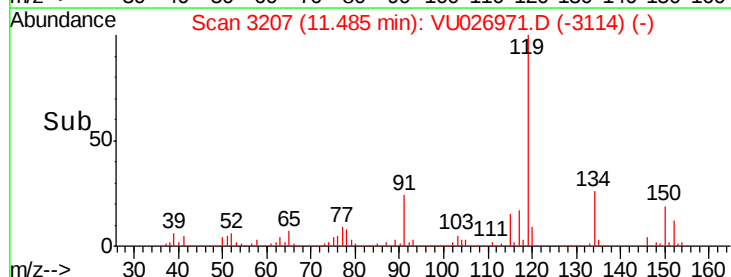
152 100

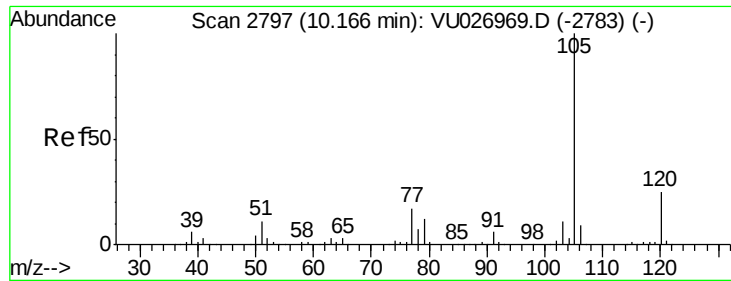
115 140.9 44.9 134.5#

150 212.8 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: 168.721 ug/l

RT: 10.17 min Scan# 2798

Delta R.T. 0.00 min

Lab File: VU026971.D

Acq: 21 Sep 2018 16:24

Instrument :

MSVOA_U

ClientSampleId :

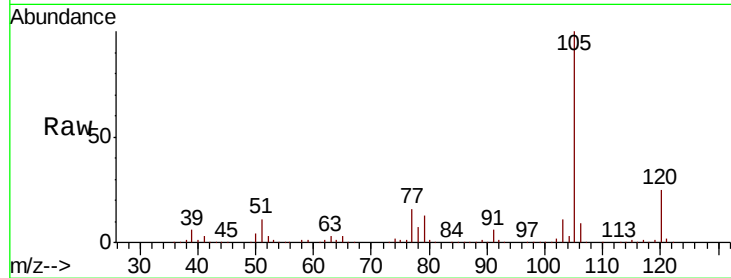
VSTDIC150

Tgt Ion:105 Resp: 1112696

Ion Ratio Lower Upper

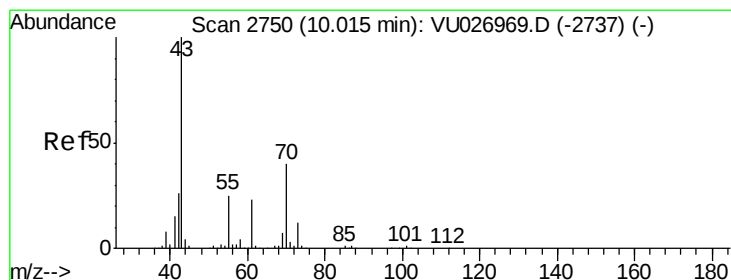
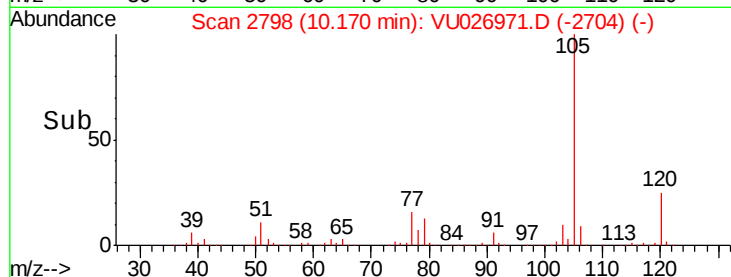
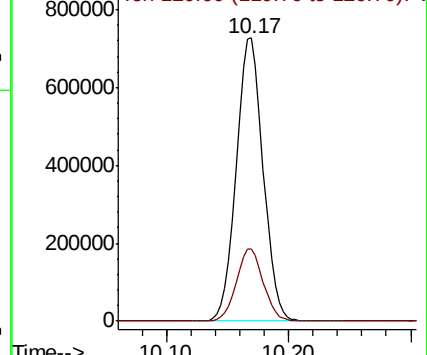
105 100

120 25.5 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: 206.672 ug/l

RT: 10.02 min Scan# 2750

Delta R.T. -0.00 min

Lab File: VU026971.D

Acq: 21 Sep 2018 16:24

Tgt Ion: 43 Resp: 664680

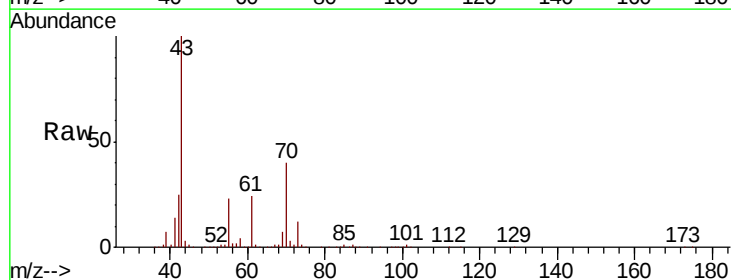
Ion Ratio Lower Upper

43 100

70 40.1 31.8 47.8

55 23.4 19.9 29.9

61 23.7 18.4 27.6

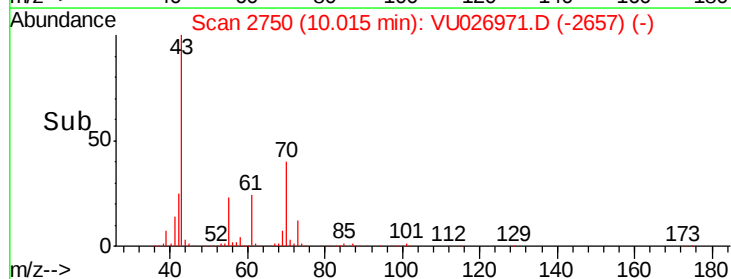
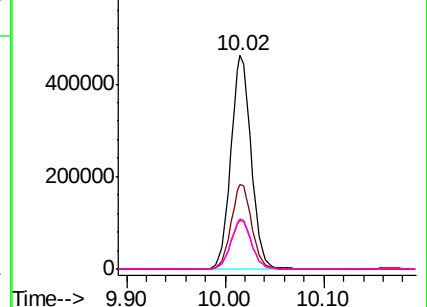


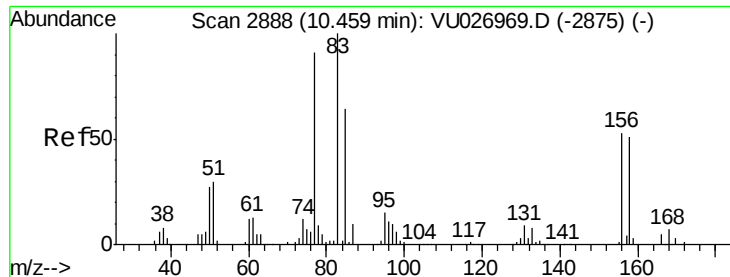
Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 70.00 (69.70 to 70.70): VU0

Ion 55.00 (54.70 to 55.70): VU0

Ion 61.00 (60.70 to 61.70): VU0





#75

1,1,2,2-Tetrachloroethane

Concen: 161.775 ug/l

RT: 10.46 min Scan# 2888

Delta R.T. -0.00 min

Lab File: VU026971.D

Acq: 21 Sep 2018 16:24

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC150

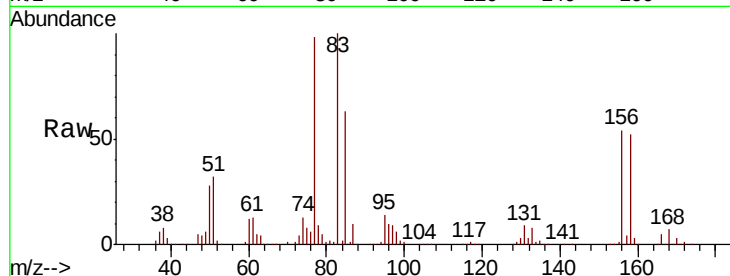
Tgt Ion: 83 Resp: 439761

Ion Ratio Lower Upper

83 100

131 8.5 4.3 12.8

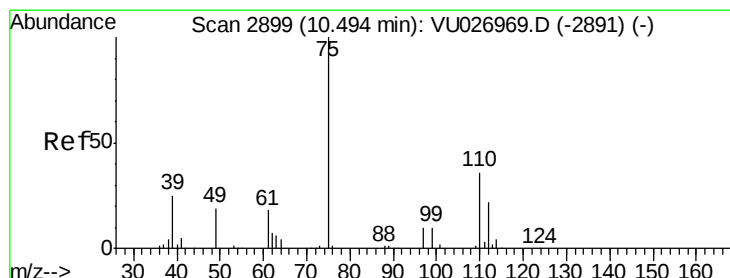
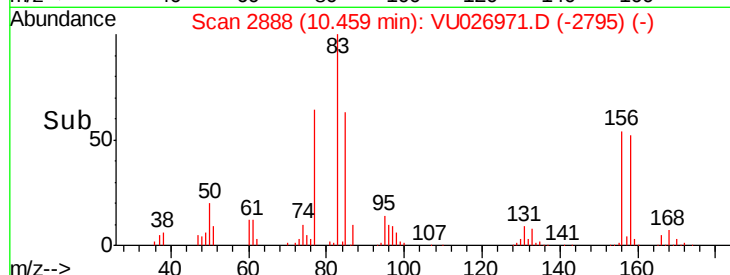
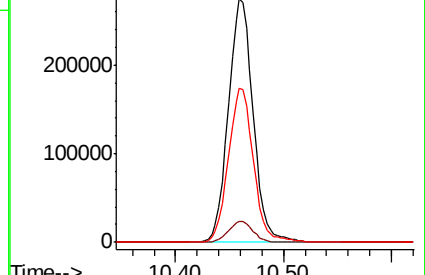
85 63.9 31.9 95.7



Abundance Ion 82.90 (82.60 to 83.60): VU026971.D (-2875) (-)

Ion 130.80 (130.50 to 131.50): VU026971.D (-2875) (-)

Ion 84.90 (84.60 to 85.60): VU026971.D (-2875) (-)



#76

1,2,3-Trichloropropane

Concen: 243.725 ug/l

RT: 10.50 min Scan# 2900

Delta R.T. 0.00 min

Lab File: VU026971.D

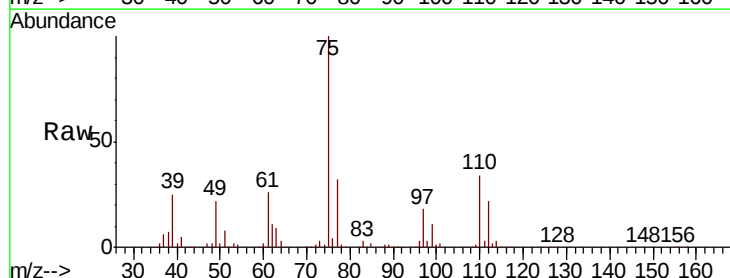
Acq: 21 Sep 2018 16:24

Tgt Ion: 75 Resp: 539070

Ion Ratio Lower Upper

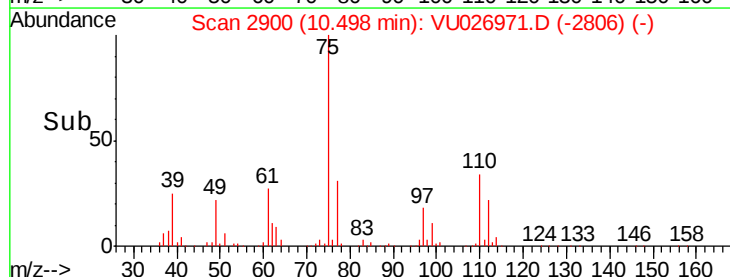
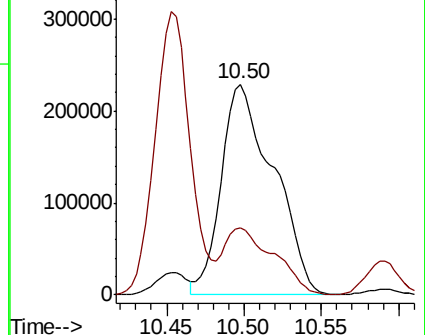
75 100

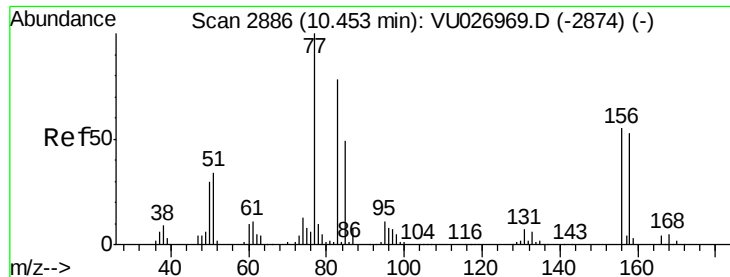
77 30.1 20.9 62.8



Abundance Ion 74.90 (74.60 to 75.60): VU026971.D (-2891) (-)

Ion 77.00 (76.70 to 77.70): VU026971.D (-2891) (-)





#77

Bromobenzene

Concen: 146.885 ug/l

RT: 10.46 min Scan# 2887

Delta R.T. 0.00 min

Lab File: VU026971.D

Acq: 21 Sep 2018 16:24

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC150

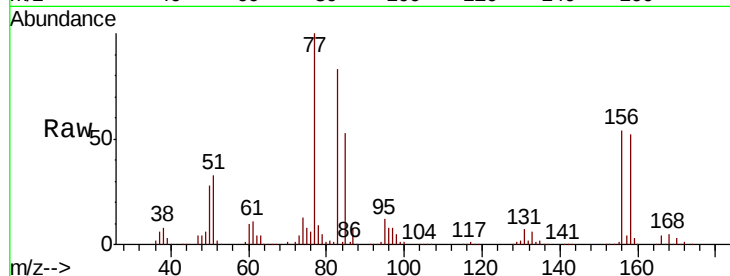
Tgt Ion:156 Resp: 257982

Ion Ratio Lower Upper

156 100

77 190.4 92.3 276.9

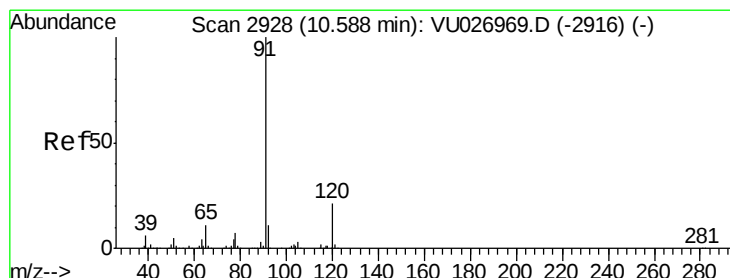
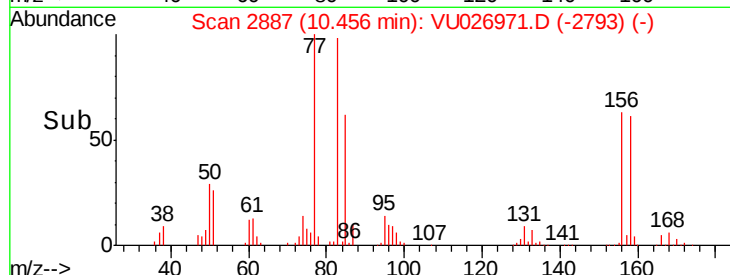
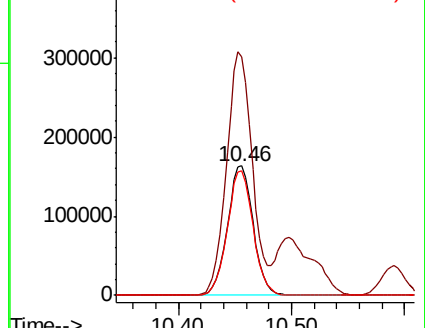
158 96.5 48.1 144.3



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: 178.053 ug/l

RT: 10.59 min Scan# 2929

Delta R.T. 0.00 min

Lab File: VU026971.D

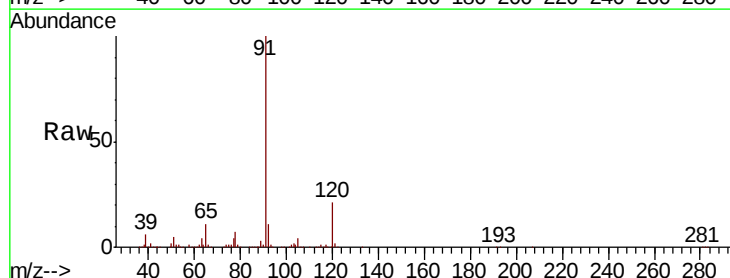
Acq: 21 Sep 2018 16:24

Tgt Ion: 91 Resp: 1373682

Ion Ratio Lower Upper

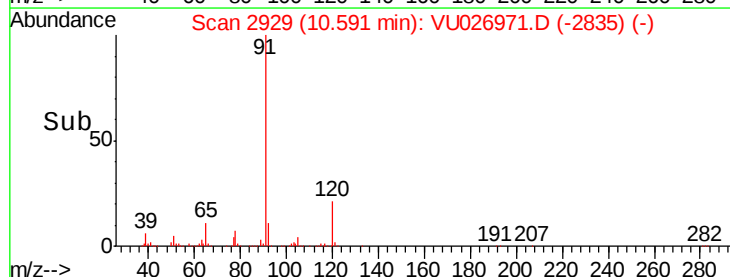
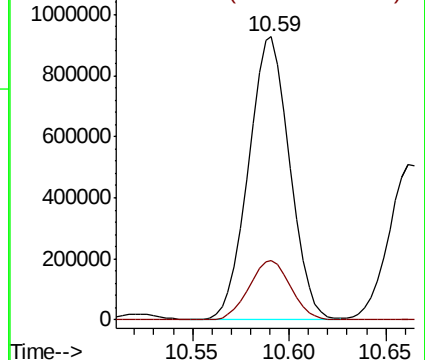
91 100

120 21.3 10.6 31.8



Abundance Ion 91.00 (90.70 to 91.70): VU0

Ion 120.00 (119.70 to 120.70): V

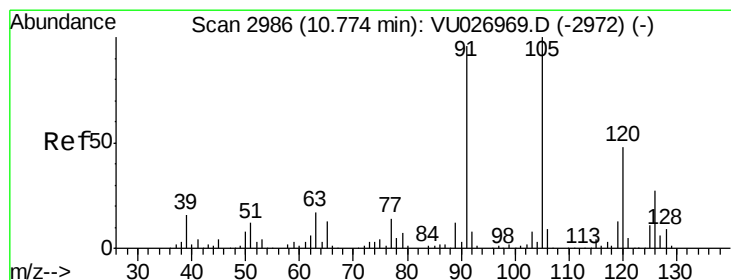
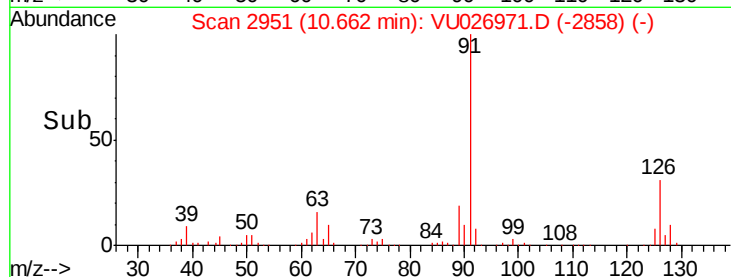
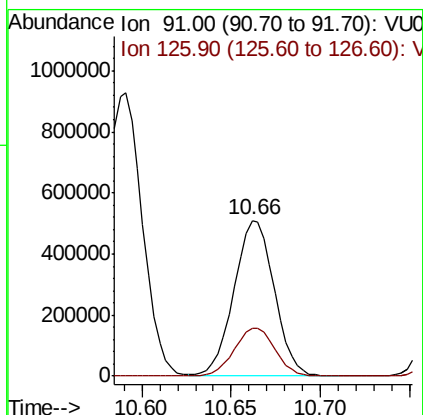
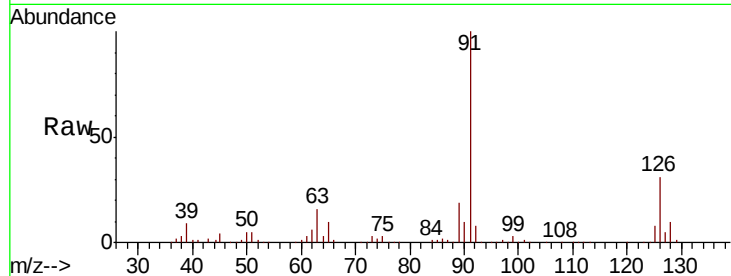




#79
 2-Chlorotoluene
 Concen: 166.411 ug/l
 RT: 10.66 min Scan# 2951
 Delta R.T. -0.00 min
 Lab File: VU026971.D
 Acq: 21 Sep 2018 16:24

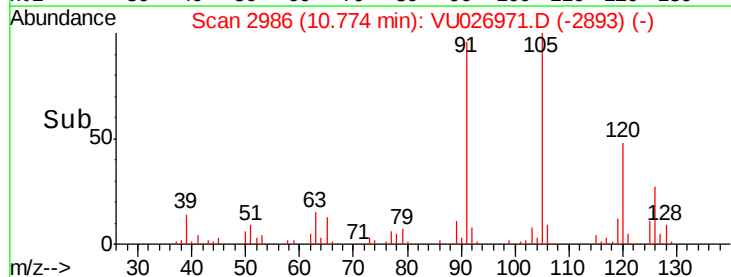
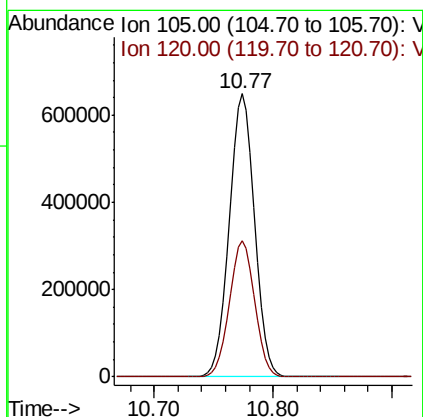
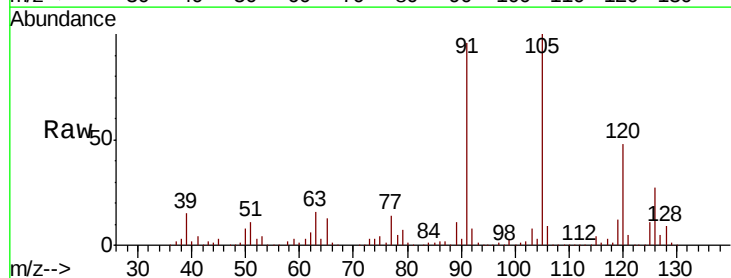
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC150

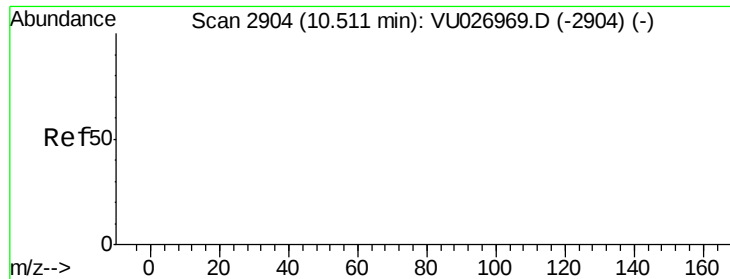
Tgt Ion: 91 Resp: 794407
 Ion Ratio Lower Upper
 91 100
 126 31.5 15.8 47.3



#80
 1,3,5-Trimethylbenzene
 Concen: 172.107 ug/l
 RT: 10.77 min Scan# 2986
 Delta R.T. -0.00 min
 Lab File: VU026971.D
 Acq: 21 Sep 2018 16:24

Tgt Ion: 105 Resp: 952250
 Ion Ratio Lower Upper
 105 100
 120 48.1 23.9 71.7





#81

trans-1,4-Dichloro-2-butene

Concen: 712.286 ug/l

RT: 10.50 min Scan# 2900

Delta R.T. -0.02 min

Lab File: VU026971.D

Acq: 21 Sep 2018 16:24

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC150

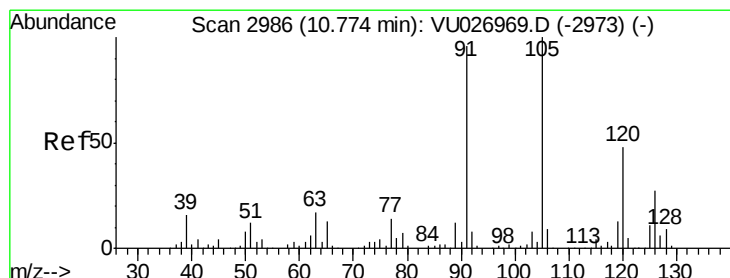
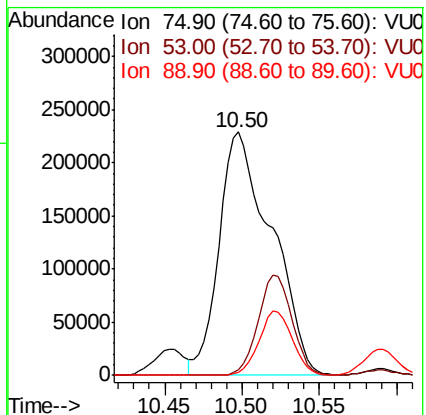
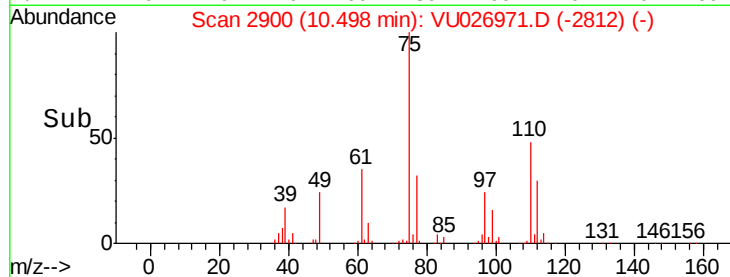
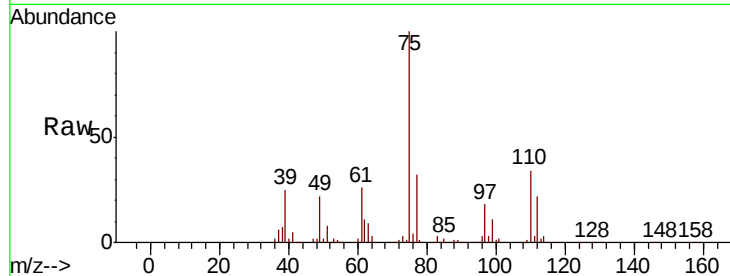
Tgt Ion: 75 Resp: 539070

Ion Ratio Lower Upper

75 100

53 0.0 0.0 0.0

89 0.0 0.0 0.0



#82

4-Chlorotoluene

Concen: 175.683 ug/l

RT: 10.77 min Scan# 2986

Delta R.T. -0.00 min

Lab File: VU026971.D

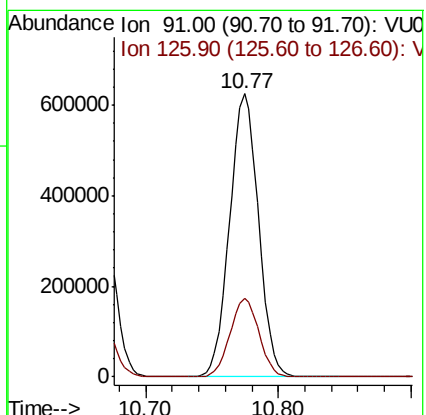
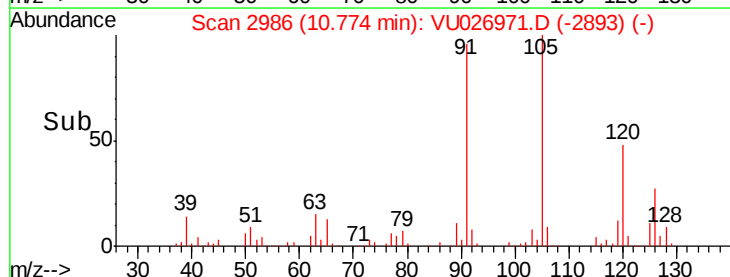
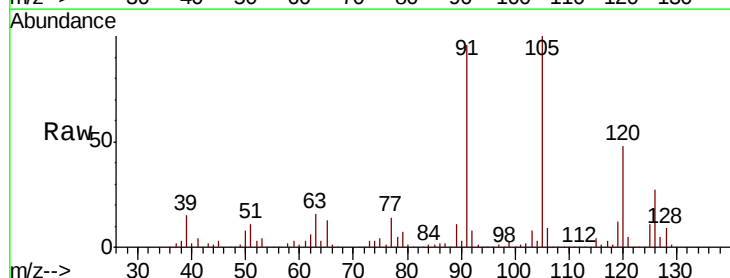
Acq: 21 Sep 2018 16:24

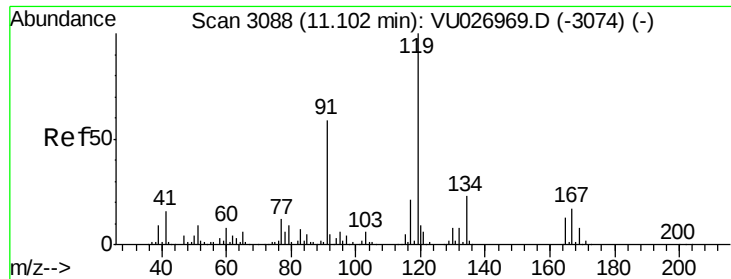
Tgt Ion: 91 Resp: 941904

Ion Ratio Lower Upper

91 100

126 27.9 14.1 42.2

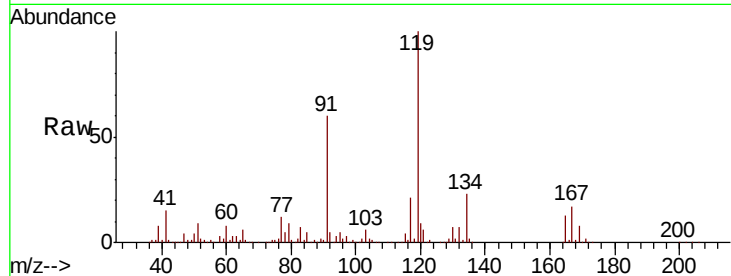




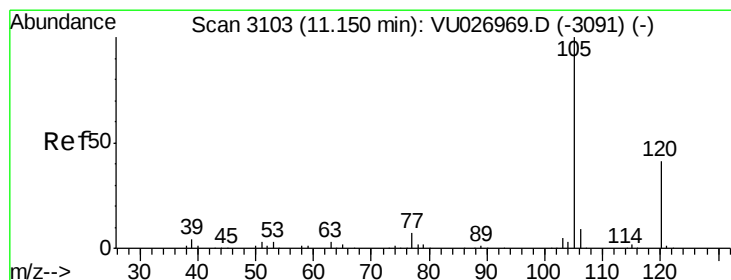
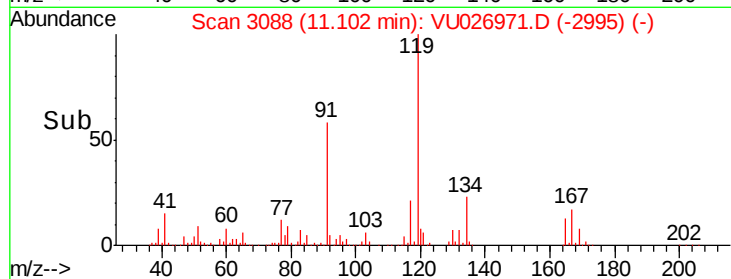
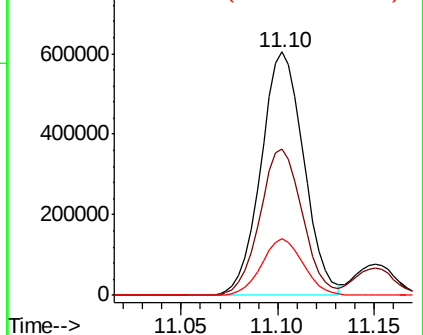
#83
tert-Butylbenzene
Concen: 166.214 ug/l
RT: 11.10 min Scan# 3088
Delta R.T. -0.00 min
Lab File: VU026971.D
Acq: 21 Sep 2018 16:24

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC150

Tgt Ion:119 Resp: 924753
Ion Ratio Lower Upper
119 100
91 59.7 29.8 89.4
134 22.8 11.5 34.4

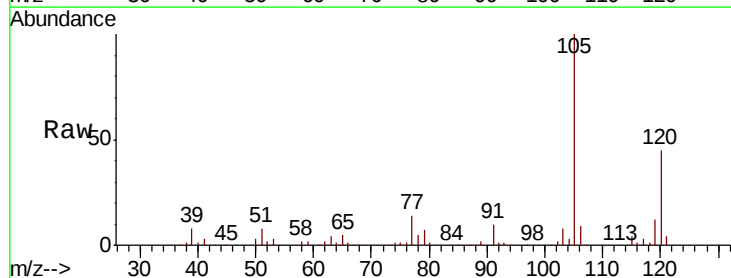


Abundance Ion 119.00 (118.70 to 119.70): V
Ion 91.00 (90.70 to 91.70): VU
Ion 134.00 (133.70 to 134.70): V

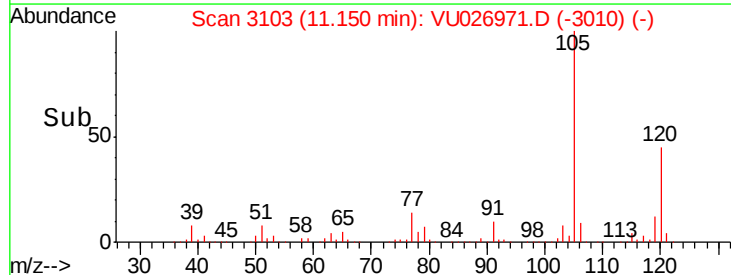
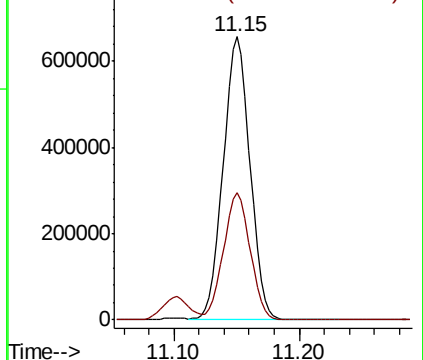


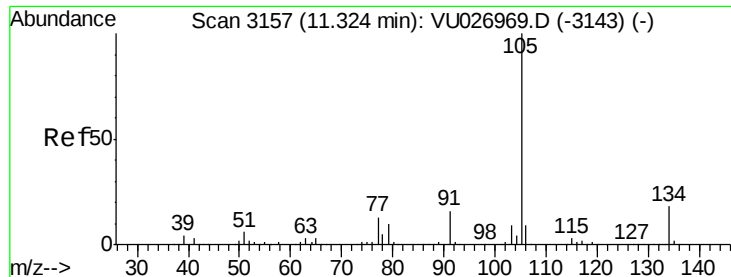
#84
1,2,4-Trimethylbenzene
Concen: 174.486 ug/l
RT: 11.15 min Scan# 3103
Delta R.T. -0.00 min
Lab File: VU026971.D
Acq: 21 Sep 2018 16:24

Tgt Ion:105 Resp: 975676
Ion Ratio Lower Upper
105 100
120 44.9 22.4 67.2



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

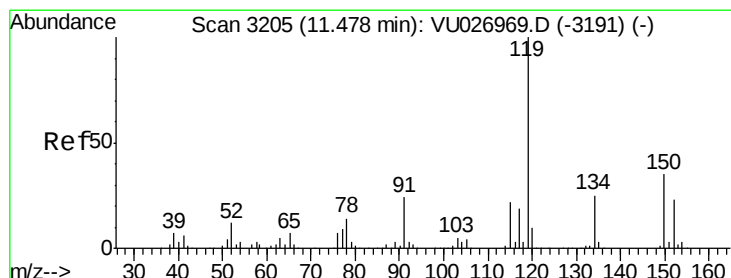
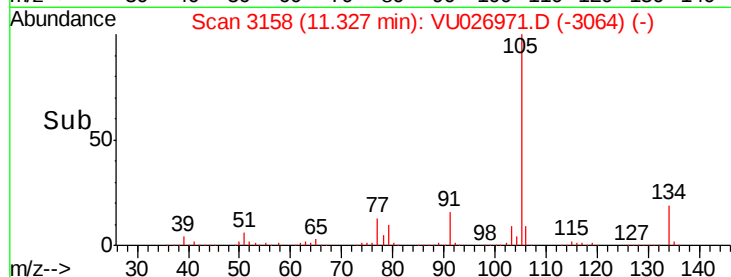
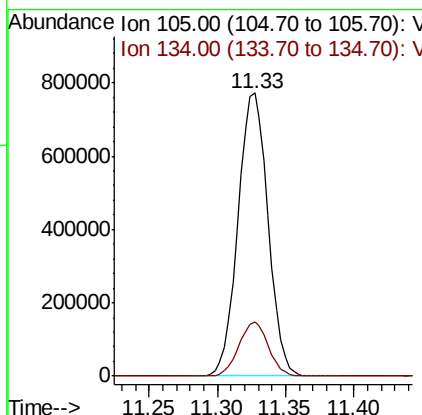
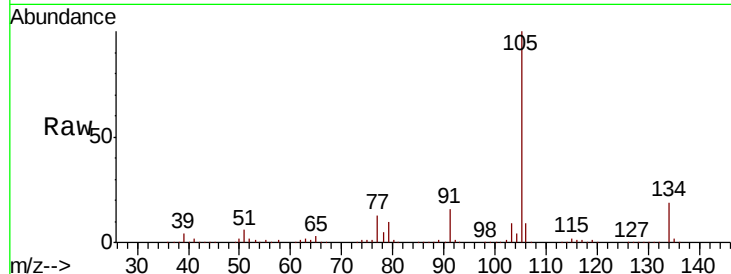




#85
 sec-Butylbenzene
 Concen: 177.024 ug/l
 RT: 11.33 min Scan# 3158
 Delta R.T. 0.00 min
 Lab File: VU026971.D
 Acq: 21 Sep 2018 16:24

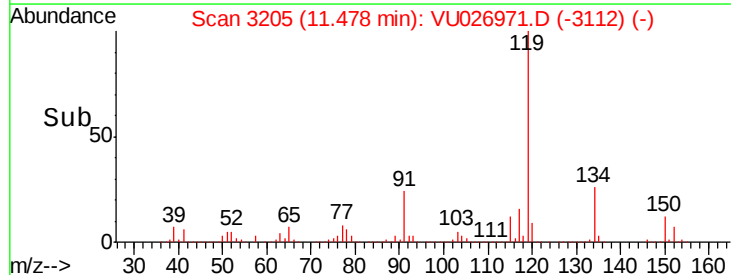
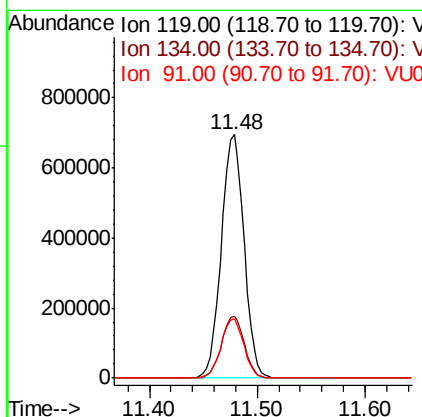
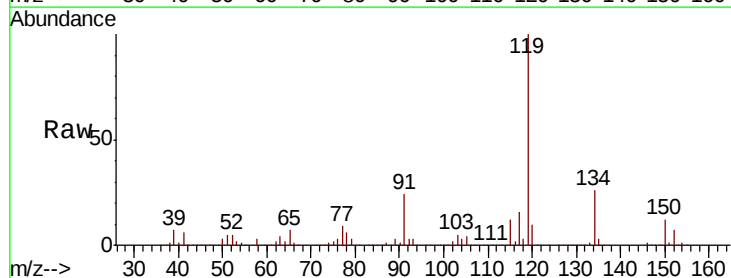
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC150

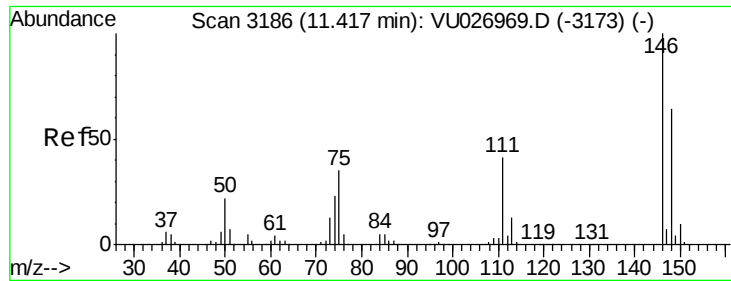
Tgt Ion:105 Resp: 1178565
 Ion Ratio Lower Upper
 105 100
 134 18.9 9.4 28.2



#86
 p-Isopropyltoluene
 Concen: 176.010 ug/l
 RT: 11.48 min Scan# 3205
 Delta R.T. -0.00 min
 Lab File: VU026971.D
 Acq: 21 Sep 2018 16:24

Tgt Ion:119 Resp: 1015885
 Ion Ratio Lower Upper
 119 100
 134 25.5 12.8 38.3
 91 24.3 12.3 36.8





#87

1,3-Dichlorobenzene

Concen: 150.109 ug/l

RT: 11.42 min Scan# 3186

Delta R.T. -0.00 min

Lab File: VU026971.D

Acq: 21 Sep 2018 16:24

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC150

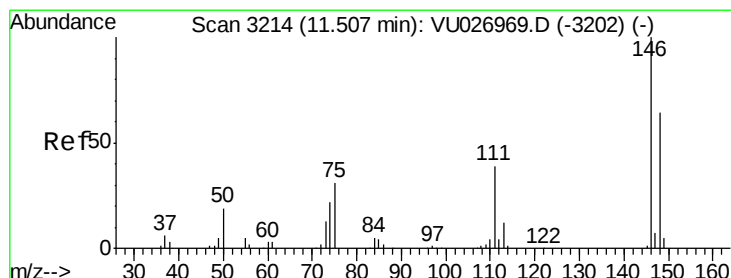
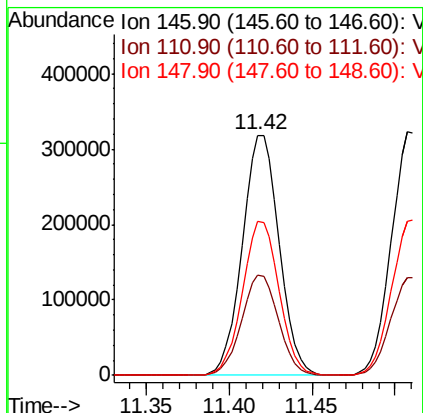
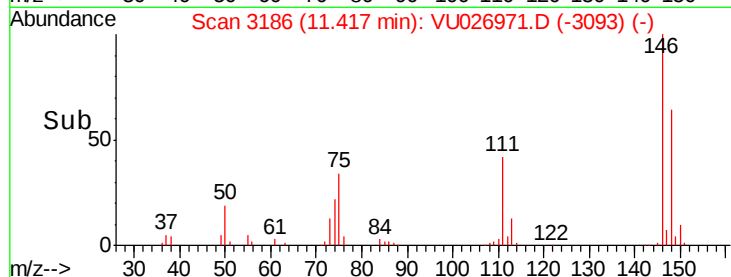
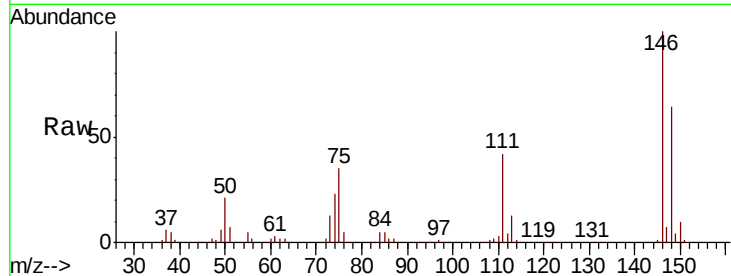
Tgt Ion:146 Resp: 492148

Ion Ratio Lower Upper

146 100

111 41.6 20.8 62.2

148 63.6 32.0 96.2



#88

1,4-Dichlorobenzene

Concen: 145.731 ug/l

RT: 11.51 min Scan# 3214

Delta R.T. -0.00 min

Lab File: VU026971.D

Acq: 21 Sep 2018 16:24

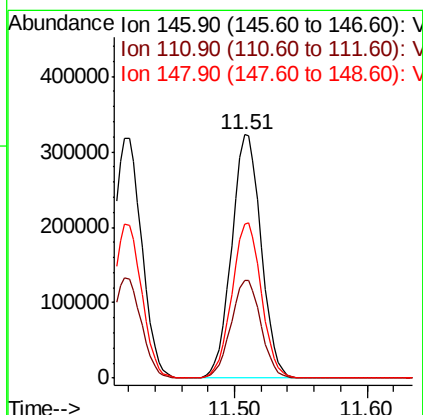
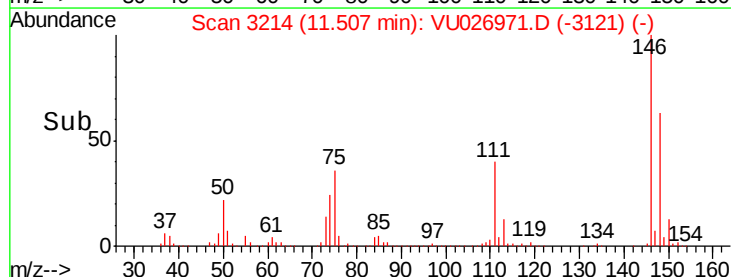
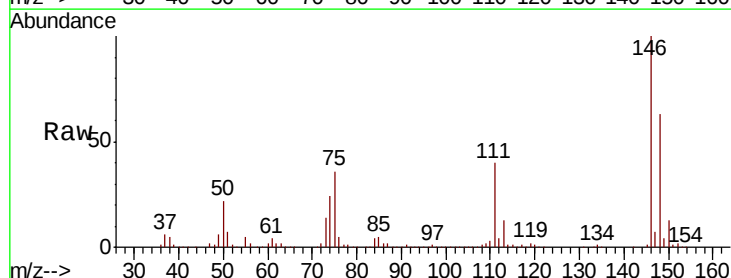
Tgt Ion:146 Resp: 497200

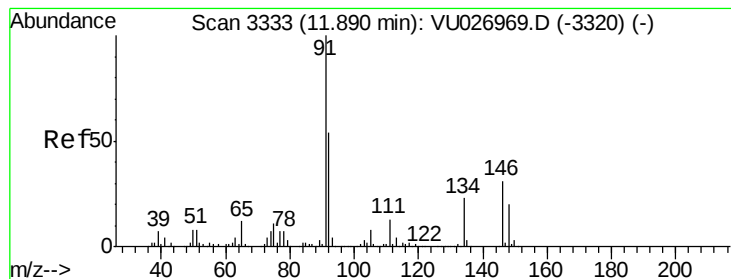
Ion Ratio Lower Upper

146 100

111 40.8 20.3 60.9

148 63.9 31.9 95.9





#89

n-Butylbenzene

Concen: 198.306 ug/l

RT: 11.89 min Scan# 3333

Delta R.T. -0.00 min

Lab File: VU026971.D

Acq: 21 Sep 2018 16:24

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC150

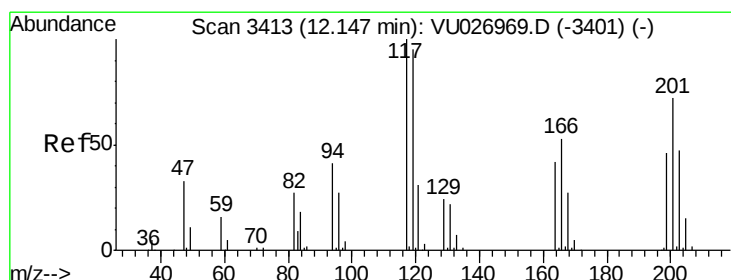
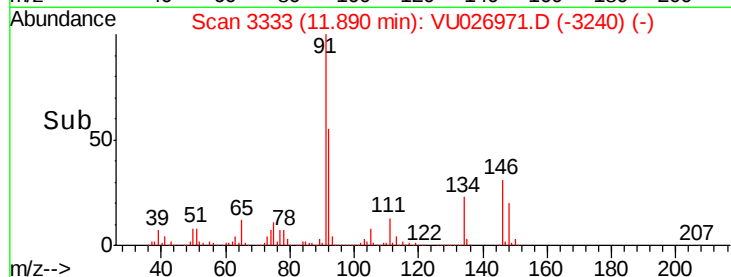
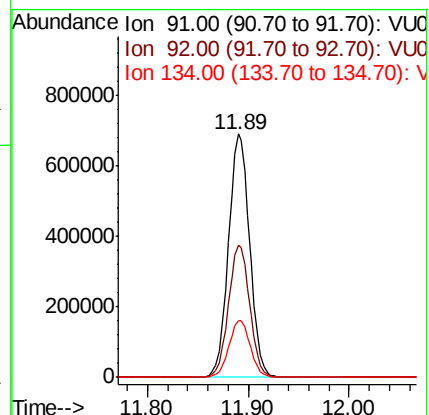
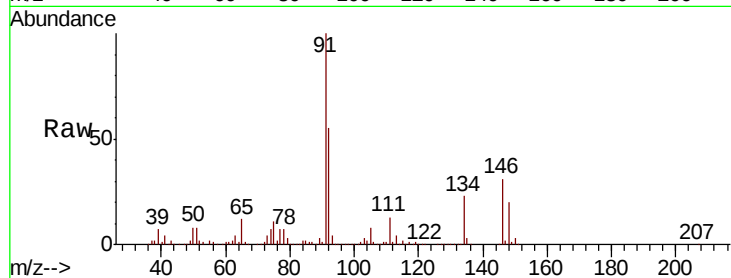
Tgt Ion: 91 Resp: 1011814

Ion Ratio Lower Upper

91 100

92 54.5 27.1 81.2

134 23.5 11.7 35.0



#90

Hexachloroethane

Concen: 163.730 ug/l

RT: 12.15 min Scan# 3413

Delta R.T. -0.00 min

Lab File: VU026971.D

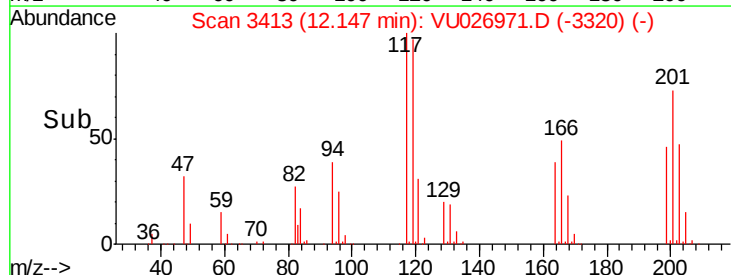
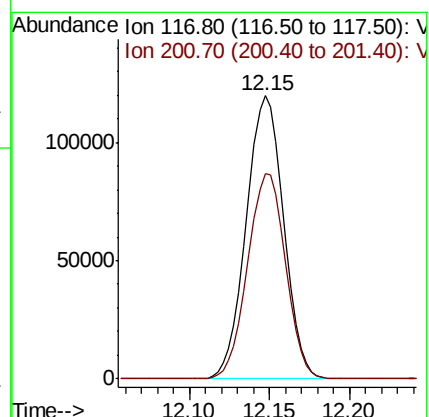
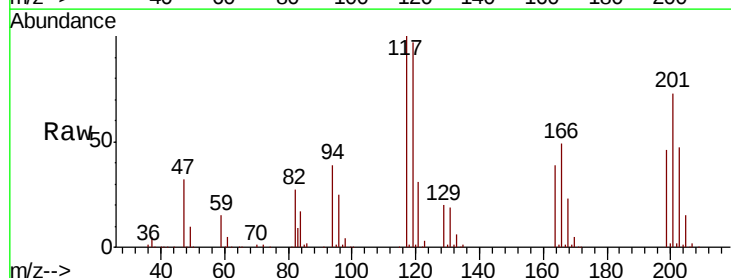
Acq: 21 Sep 2018 16:24

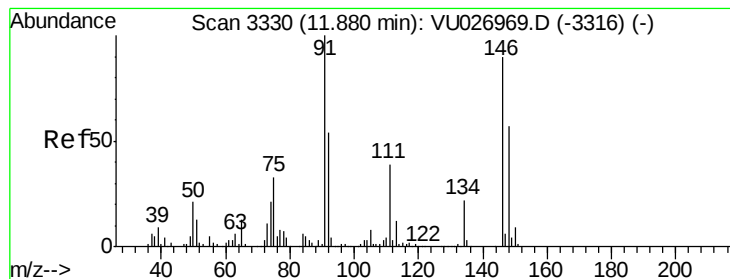
Tgt Ion: 117 Resp: 190800

Ion Ratio Lower Upper

117 100

201 73.7 36.8 110.3





#91

1,2-Dichlorobenzene

Concen: 148.810 ug/l

RT: 11.88 min Scan# 3330

Delta R.T. -0.00 min

Lab File: VU026971.D

Acq: 21 Sep 2018 16:24

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC150

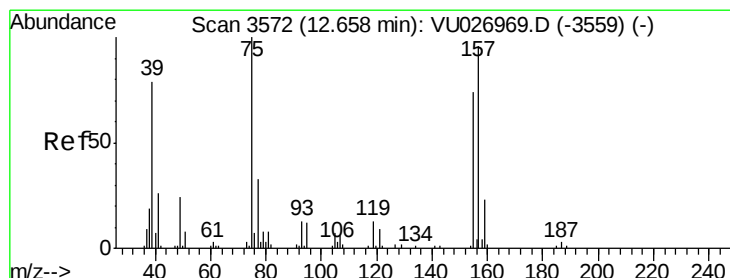
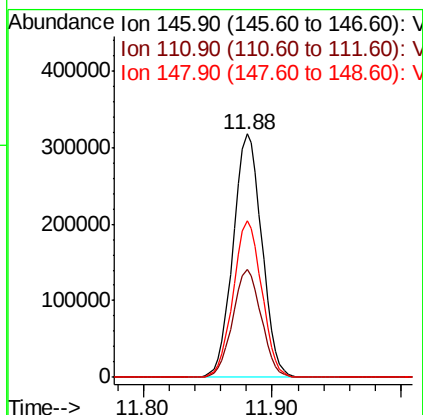
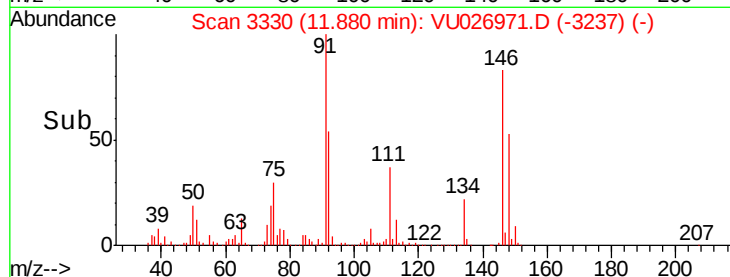
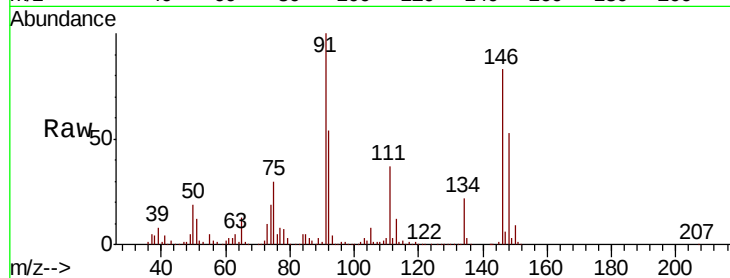
Tgt Ion:146 Resp: 490321

Ion Ratio Lower Upper

146 100

111 44.1 21.8 65.3

148 64.1 31.9 95.7



#92

1,2-Dibromo-3-Chloropropane

Concen: 183.948 ug/l

RT: 12.66 min Scan# 3571

Delta R.T. -0.00 min

Lab File: VU026971.D

Acq: 21 Sep 2018 16:24

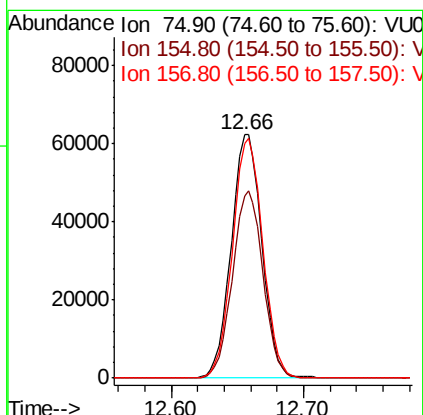
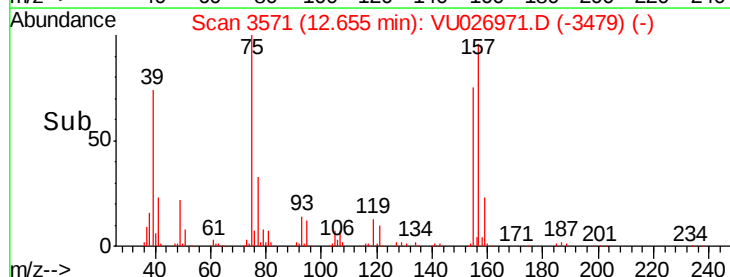
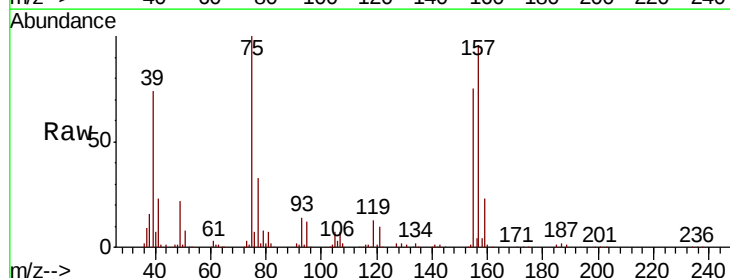
Tgt Ion: 75 Resp: 100233

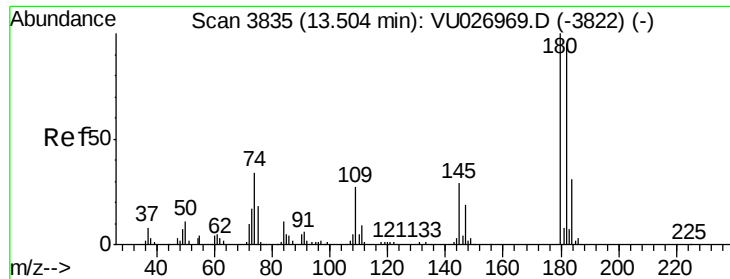
Ion Ratio Lower Upper

75 100

155 76.3 36.6 109.8

157 97.2 47.4 142.2

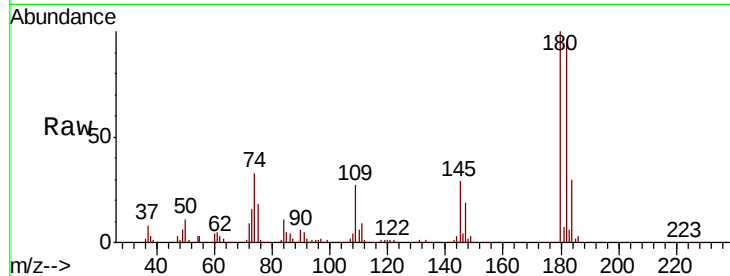




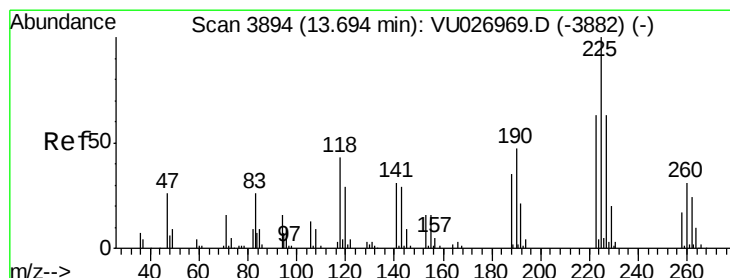
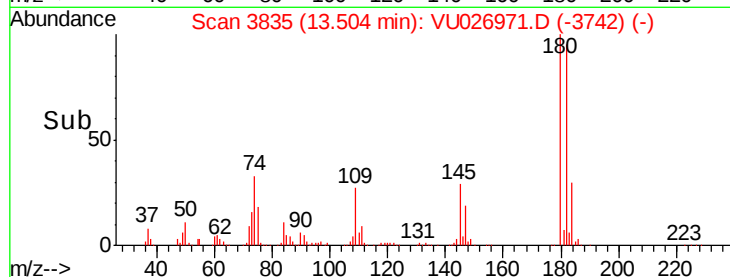
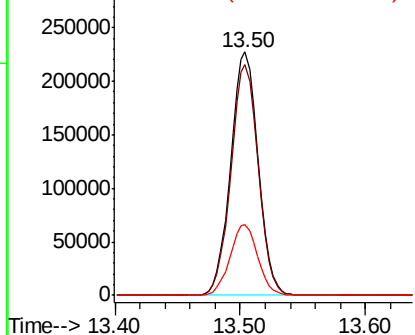
#93
 1,2,4-Trichlorobenzene
 Concen: 160.370 ug/l
 RT: 13.50 min Scan# 3835
 Delta R.T. -0.00 min
 Lab File: VU026971.D
 Acq: 21 Sep 2018 16:24

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC150

Tgt Ion:180 Resp: 345470
 Ion Ratio Lower Upper
 180 100
 182 94.4 47.4 142.2
 145 29.2 14.9 44.5

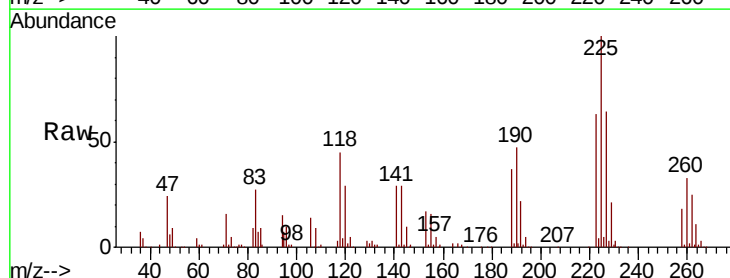


Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

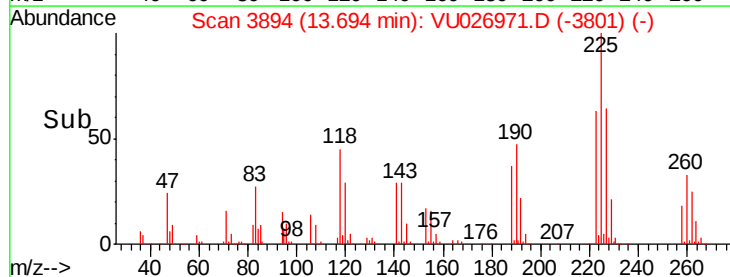
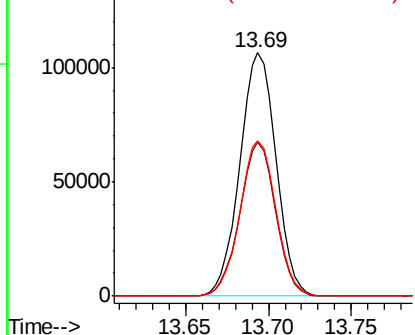


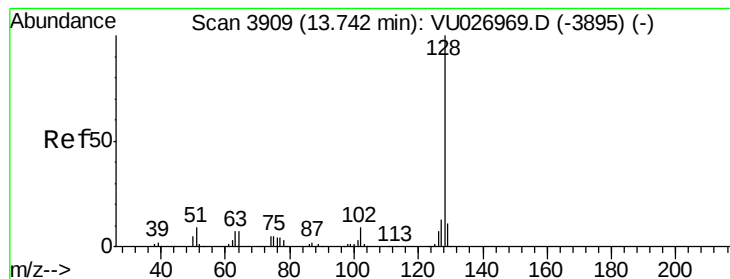
#94
 Hexachlorobutadiene
 Concen: 146.146 ug/l
 RT: 13.69 min Scan# 3894
 Delta R.T. -0.00 min
 Lab File: VU026971.D
 Acq: 21 Sep 2018 16:24

Tgt Ion:225 Resp: 161879
 Ion Ratio Lower Upper
 225 100
 223 62.3 31.9 95.7
 227 63.6 32.1 96.5



Abundance Ion 224.70 (224.40 to 225.40): V
 Ion 222.70 (222.40 to 223.40): V
 Ion 226.70 (226.40 to 227.40): V





#95

Naphthalene

Concen: 178.902 ug/l

RT: 13.74 min Scan# 3909

Delta R.T. -0.00 min

Lab File: VU026971.D

Acq: 21 Sep 2018 16:24

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC150

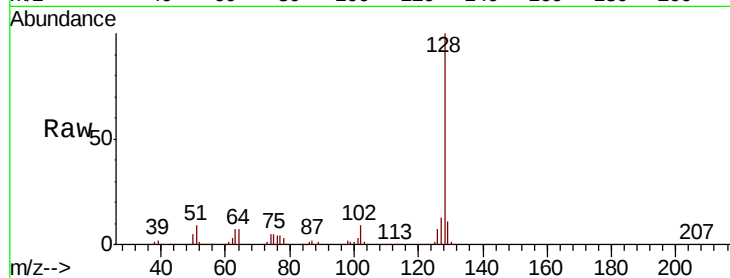
Tgt Ion:128 Resp: 1192294

Ion Ratio Lower Upper

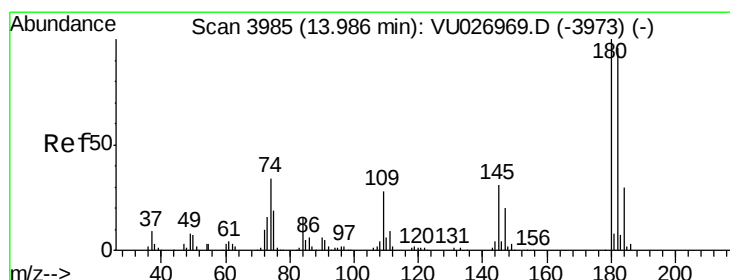
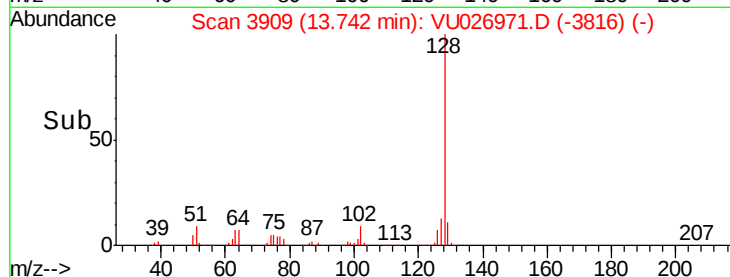
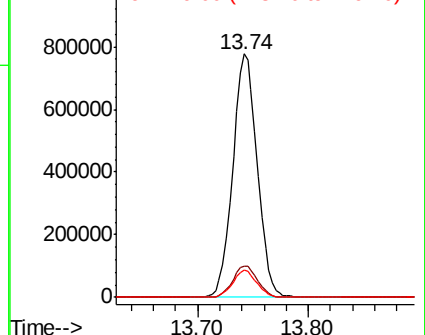
128 100

127 13.1 10.6 15.8

129 10.9 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: 153.307 ug/l

RT: 13.99 min Scan# 3985

Delta R.T. -0.00 min

Lab File: VU026971.D

Acq: 21 Sep 2018 16:24

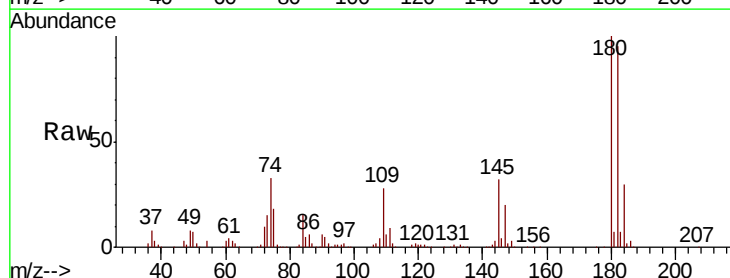
Tgt Ion:180 Resp: 346641

Ion Ratio Lower Upper

180 100

182 95.5 47.5 142.5

145 31.8 15.4 46.4



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

