

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU080118\
 Data File : VU025756.D
 Acq On : 31 Jul 2018 22:01
 Operator : MD/SY
 Sample : VU0801MBSD01
 Misc : 5.00µ/10mL/100uL/5.00mL/MSVOA_U/MEOH
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VU0801MBSD01

Quant Time: Aug 01 05:31:56 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\82U072718W.M
 Quant Title : SW846 8260
 QLast Update : Tue Jul 31 16:07:47 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.99	168	180583	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.89	114	274278	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.09	117	261091	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.49	152	162378	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	5.31	65	139470	49.57	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.14%	
35) Dibromofluoromethane	4.89	113	113940	47.76	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.52%	
50) Toluene-d8	7.57	98	404373	48.44	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.88%	
62) 4-Bromofluorobenzene	10.31	95	156560	48.32	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.64%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.21	85	59651	21.86	ug/l	99
3) Chloromethane	1.33	50	50944	19.53	ug/l	100
4) Vinyl Chloride	1.40	62	51026	20.78	ug/l	97
5) Bromomethane	1.63	94	25671	21.41	ug/l	95
6) Chloroethane	1.70	64	28026	19.52	ug/l	96
7) Trichlorofluoromethane	1.89	101	72601	20.45	ug/l	100
8) Diethyl Ether	2.10	74	25551	19.89	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	2.29	101	41493	20.20	ug/l	99
10) Methyl Iodide	2.41	142	30060	21.59	ug/l	98
11) Tert butyl alcohol	2.83	59	55295	89.76	ug/l	99
12) 1,1-Dichloroethene	2.28	96	39359	20.30	ug/l	93
13) Acrolein	2.19	56	27313	121.38	ug/l	94
14) Allyl chloride	2.59	41	66732	19.15	ug/l	96
15) Acrylonitrile	2.94	53	127345	103.54	ug/l	99
16) Acetone	2.32	43	114393	83.39	ug/l	95
17) Carbon Disulfide	2.48	76	121432	19.35	ug/l	100
18) Methyl Acetate	2.62	43	79694	24.14	ug/l	100
19) Methyl tert-butyl Ether	3.00	73	148214	21.09	ug/l	98
20) Methylene Chloride	2.70	84	47253	19.44	ug/l	98
21) trans-1,2-Dichloroethene	2.99	96	46392	20.70	ug/l	95
22) Diisopropyl ether	3.57	45	143748	20.94	ug/l	96
23) Vinyl Acetate	3.53	43	603665	100.88	ug/l	100
24) 1,1-Dichloroethane	3.45	63	87351	21.19	ug/l	99
25) 2-Butanone	4.27	43	180698	96.77	ug/l	99
26) 2,2-Dichloropropane	4.23	77	64271	17.16	ug/l	99
27) cis-1,2-Dichloroethene	4.23	96	51065	20.21	ug/l	98
28) Bromochloromethane	4.55	49	40004	21.71	ug/l	99
29) Tetrahydrofuran	4.64	42	112968	100.98	ug/l	99
30) Chloroform	4.68	83	90199	20.73	ug/l	99
31) Cyclohexane	5.00	56	73961	19.81	ug/l	96
32) 1,1,1-Trichloroethane	4.92	97	83053	21.20	ug/l	99
36) 1,1-Dichloropropene	5.14	75	66338	20.70	ug/l	99
37) Ethyl Acetate	4.38	43	68370	20.57	ug/l	99
38) Carbon Tetrachloride	5.14	117	72549	19.98	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	6.42	83	72263	19.68	ug/l	97
40) Benzene	5.39	78	186230	19.88	ug/l	99
41) Methacrylonitrile	4.54	41	37996	20.58	ug/l	99
42) 1,2-Dichloroethane	5.41	62	72082	19.98	ug/l	99
43) Isopropyl Acetate	5.55	43	111577	20.32	ug/l	99
44) Trichloroethene	6.19	130	52606	20.16	ug/l	99
45) 1,2-Dichloropropane	6.44	63	48164	19.71	ug/l	95
46) Dibromomethane	6.56	93	35262	19.92	ug/l	98
47) Bromodichloromethane	6.76	83	68042	20.15	ug/l	97
48) Methyl methacrylate	6.63	41	57158	21.23	ug/l	98
49) 1,4-Dioxane	6.62	88	24400	372.49	ug/l	96
51) 4-Methyl-2-Pentanone	7.46	43	344396	100.16	ug/l	100
52) Toluene	7.64	92	118297	20.32	ug/l	99
53) t-1,3-Dichloropropene	7.88	75	75761	19.98	ug/l	100
54) cis-1,3-Dichloropropene	7.27	75	78265	20.09	ug/l	98
55) 1,1,2-Trichloroethane	8.07	97	49324	20.39	ug/l	98
56) Ethyl methacrylate	8.02	69	70733	20.47	ug/l	97
57) 1,3-Dichloropropane	8.25	76	82918	20.38	ug/l	100
58) 2-Chloroethyl Vinyl ether	7.13	63	137287	92.31	ug/l	99
59) 2-Hexanone	8.36	43	265889	98.65	ug/l	99
60) Dibromochloromethane	8.48	129	57483	20.15	ug/l	99
61) 1,2-Dibromoethane	8.59	107	55509	20.63	ug/l	98
64) Tetrachloroethene	8.23	164	48119	20.94	ug/l	99
65) Chlorobenzene	9.12	112	136883	20.33	ug/l	100
66) 1,1,1,2-Tetrachloroethane	9.21	131	51542	21.17	ug/l	100
67) Ethyl Benzene	9.25	91	230153	20.64	ug/l	100
68) m/p-Xylenes	9.38	106	180793	42.23	ug/l	98
69) o-Xylene	9.78	106	85627	20.47	ug/l	98
70) Styrene	9.80	104	140353	20.77	ug/l	98
71) Bromoform	9.96	173	43540	20.62	ug/l #	98
73) Isopropylbenzene	10.17	105	235594	21.26	ug/l	100
74) N-amyl acetate	10.01	43	93864	20.75	ug/l	99
75) 1,1,2,2-Tetrachloroethane	10.46	83	78772	20.55	ug/l	98
76) 1,2,3-Trichloropropane	10.50	75	90097	25.18	ug/l	83
77) Bromobenzene	10.45	156	64314	21.04	ug/l	98
78) n-propylbenzene	10.59	91	272777	21.09	ug/l	99
79) 2-Chlorotoluene	10.66	91	161790	21.35	ug/l	99
80) 1,3,5-Trimethylbenzene	10.78	105	199776	21.23	ug/l	99
81) trans-1,4-Dichloro-2-buten	10.50	75	90097	63.15	ug/l #	100
82) 4-Chlorotoluene	10.78	91	191204	21.41	ug/l	99
83) tert-Butylbenzene	11.10	119	193060	20.64	ug/l	98
84) 1,2,4-Trimethylbenzene	11.15	105	205015	21.49	ug/l	98
85) sec-Butylbenzene	11.33	105	240052	21.02	ug/l	100
86) p-Isopropyltoluene	11.48	119	215145	21.04	ug/l	99
87) 1,3-Dichlorobenzene	11.42	146	118668	20.91	ug/l	99
88) 1,4-Dichlorobenzene	11.51	146	120512	20.37	ug/l	99
89) n-Butylbenzene	11.89	91	187626	19.89	ug/l	99
90) Hexachloroethane	12.15	117	35401	19.48	ug/l	98
91) 1,2-Dichlorobenzene	11.88	146	116888	21.02	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	12.66	75	18762	20.65	ug/l	97

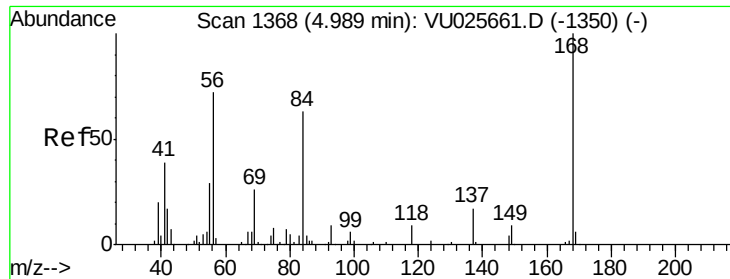
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA U\DATA\VU080118\
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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.51	180	78934	21.03	ug/l	97
94) Hexachlorobutadiene	13.70	225	37096	18.75	ug/l	99
95) Naphthalene	13.74	128	242861	20.89	ug/l	99
96) 1,2,3-Trichlorobenzene	13.99	180	80422	21.48	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 4.99 min Scan# 1367

Delta R.T. -0.00 min

Lab File: VU025756.D

Acq: 31 Jul 2018 22:01

Instrument :

MSVOA_U

ClientSampleId :

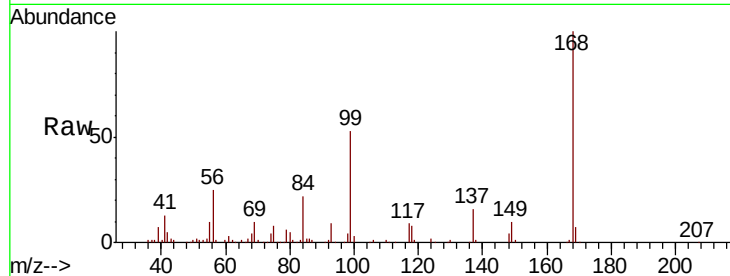
VU0801MBSD01

Tot Ion:168 Resp: 180583

Ion Ratio Lower Upper

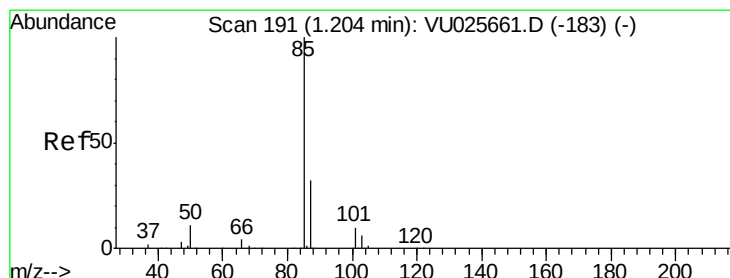
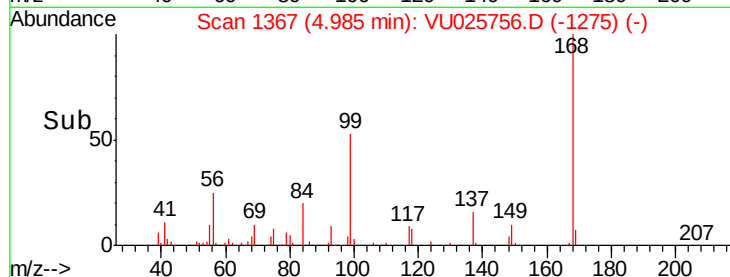
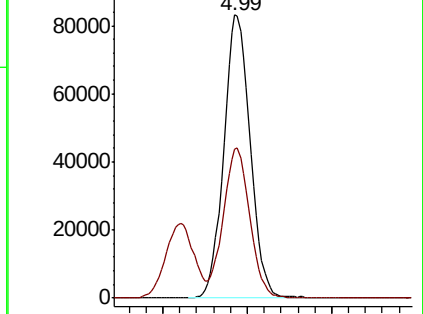
168 100

99 52.6 42.8 64.2



Abundance Ion 167.90 (167.60 to 168.60): VU025661.D (-1350) (-)

Ion 98.90 (98.60 to 99.60): VU025756.D (-1275) (-)



#2

Dichlorodifluoromethane

Concen: 21.86 ug/l

RT: 1.21 min Scan# 192

Delta R.T. 0.00 min

Lab File: VU025756.D

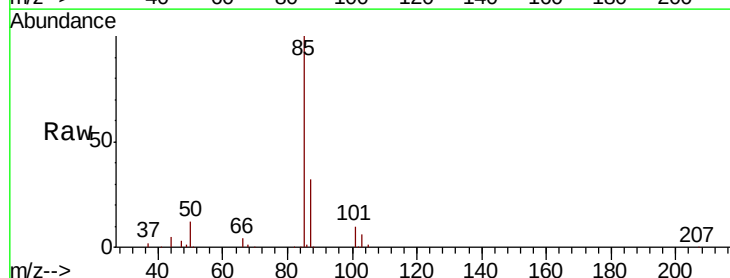
Acq: 31 Jul 2018 22:01

Tgt Ion: 85 Resp: 59651

Ion Ratio Lower Upper

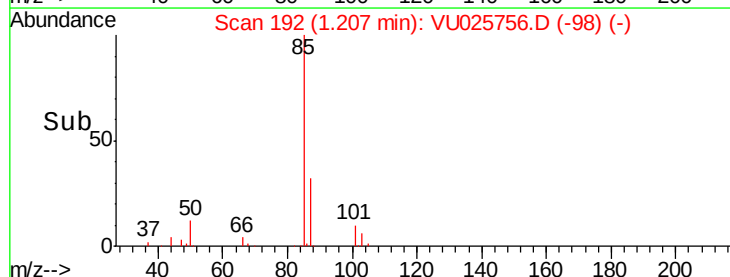
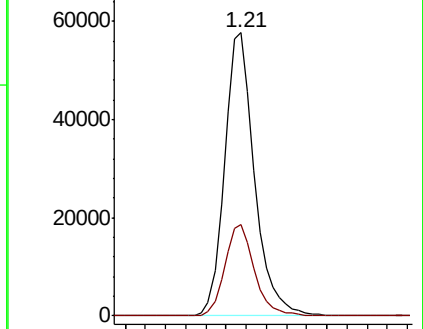
85 100

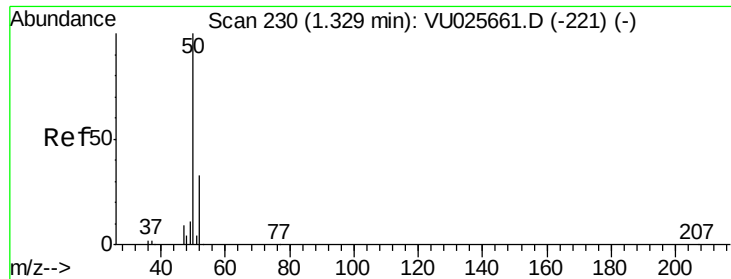
87 32.3 16.5 49.5



Abundance Ion 84.90 (84.60 to 85.60): VU025661.D (-183) (-)

Ion 86.90 (86.60 to 87.60): VU025756.D (-98) (-)





#3

Chloromethane

Concen: 19.53 ug/l

RT: 1.33 min Scan# 231

Delta R.T. 0.00 min

Lab File: VU025756.D

Acq: 31 Jul 2018 22:01

Instrument :

MSVOA_U

ClientSampleId :

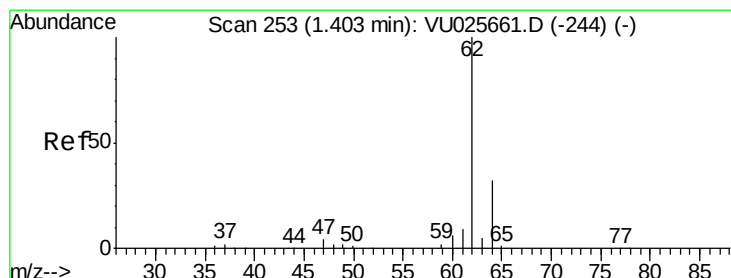
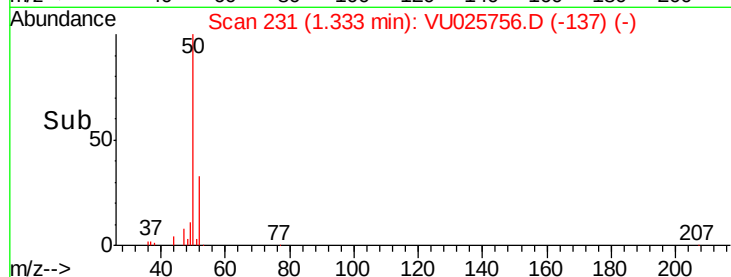
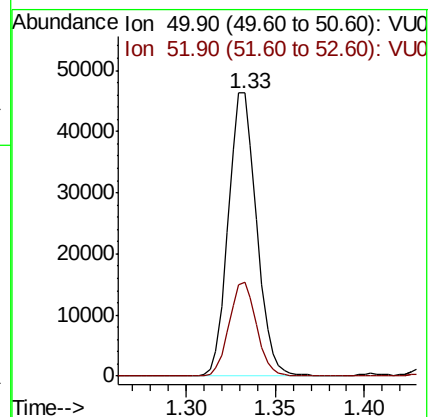
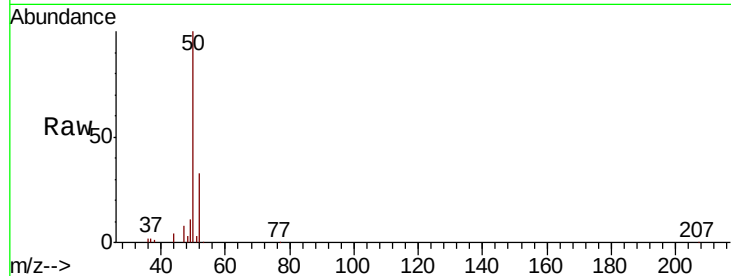
VU0801MBSD01

Tot Ion: 50 Resp: 50944

Ion Ratio Lower Upper

50 100

52 33.3 26.5 39.7



#4

Vinyl Chloride

Concen: 20.78 ug/l

RT: 1.40 min Scan# 253

Delta R.T. 0.00 min

Lab File: VU025756.D

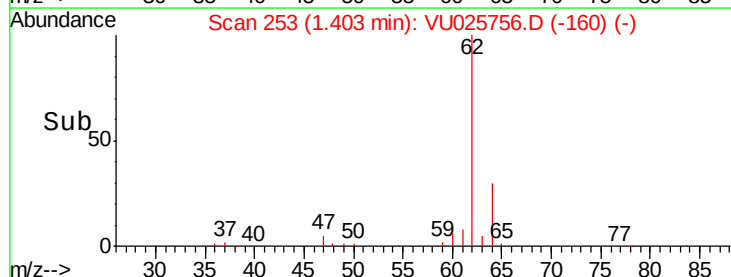
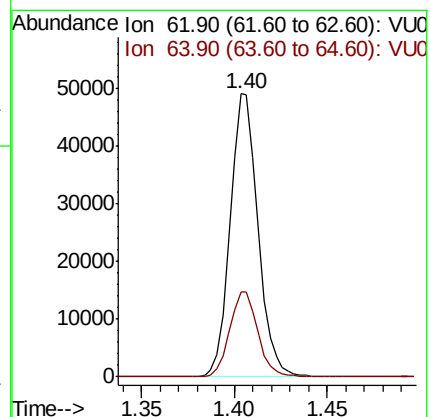
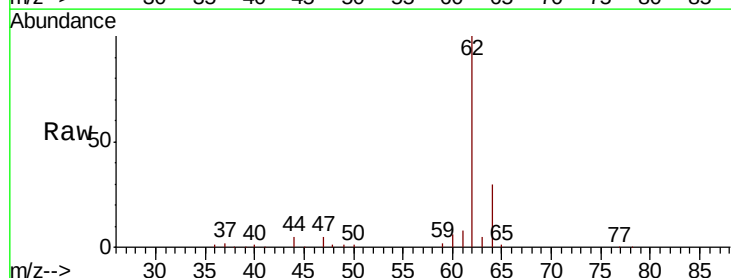
Acq: 31 Jul 2018 22:01

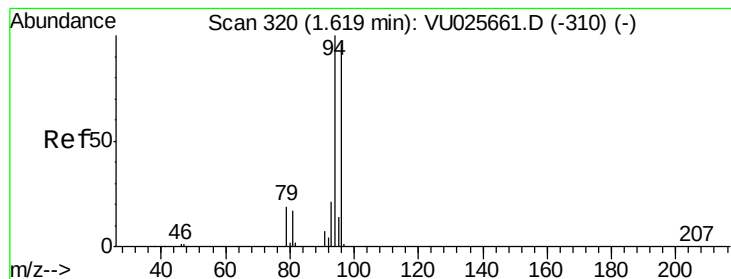
Tgt Ion: 62 Resp: 51026

Ion Ratio Lower Upper

62 100

64 30.2 25.4 38.0





#5

Bromomethane

Concen: 21.41 ug/l

RT: 1.63 min Scan# 323

Delta R.T. 0.01 min

Lab File: VU025756.D

Acq: 31 Jul 2018 22:01

Instrument :

MSVOA_U

ClientSampleId :

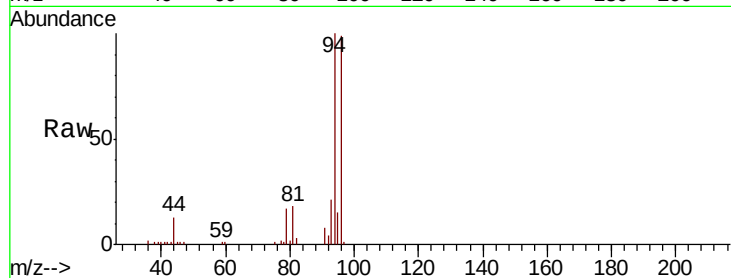
VU0801MBSD01

Tot Ion: 94 Resp: 25671

Ion Ratio Lower Upper

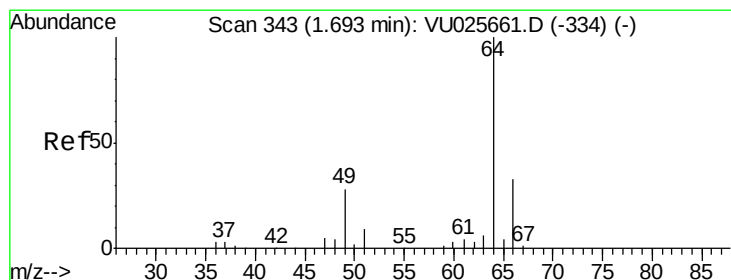
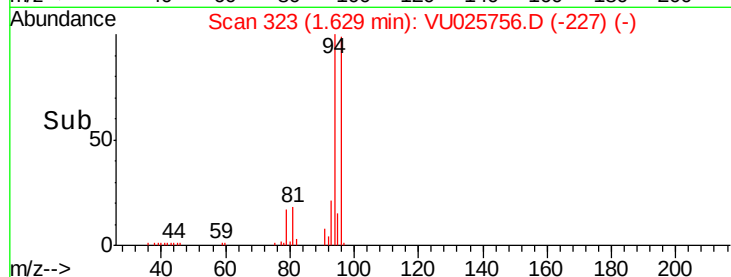
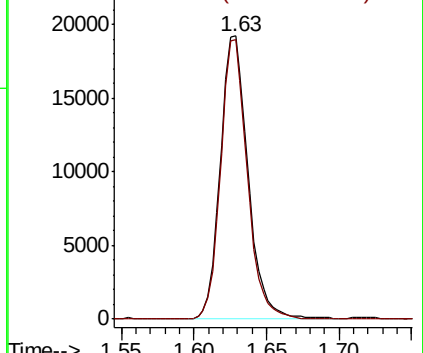
94 100

96 98.9 75.0 112.4



Abundance Ion 93.90 (93.60 to 94.60): VU0

Ion 95.90 (95.60 to 96.60): VU0



#6

Chloroethane

Concen: 19.52 ug/l

RT: 1.70 min Scan# 345

Delta R.T. 0.01 min

Lab File: VU025756.D

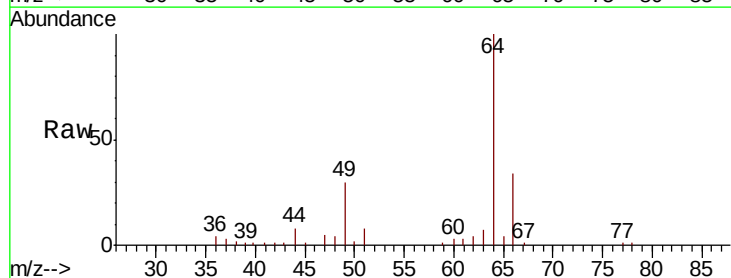
Acq: 31 Jul 2018 22:01

Tgt Ion: 64 Resp: 28026

Ion Ratio Lower Upper

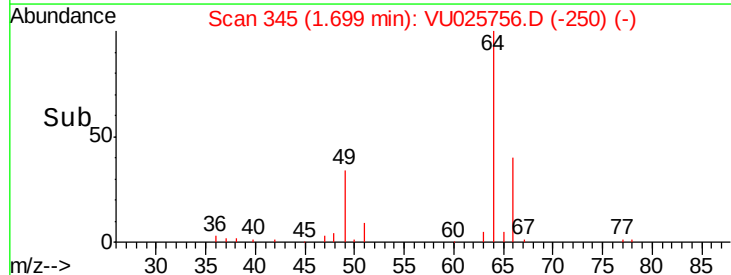
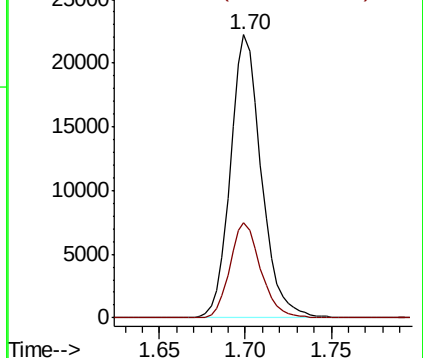
64 100

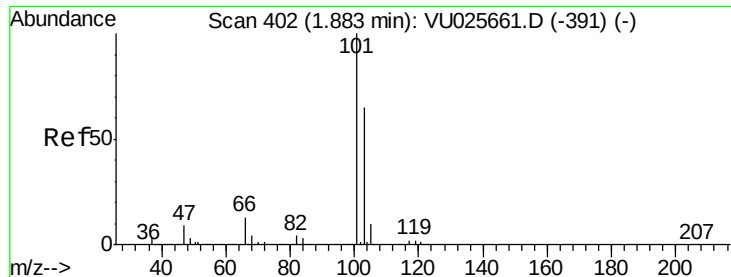
66 33.5 25.0 37.4



Abundance Ion 63.90 (63.60 to 64.60): VU0

Ion 65.90 (65.60 to 66.60): VU0





#7

Trichlorofluoromethane

Concen: 20.45 ug/l

RT: 1.89 min Scan# 403

Delta R.T. 0.00 min

Lab File: VU025756.D

Acq: 31 Jul 2018 22:01

Instrument :

MSVOA_U

ClientSampleId :

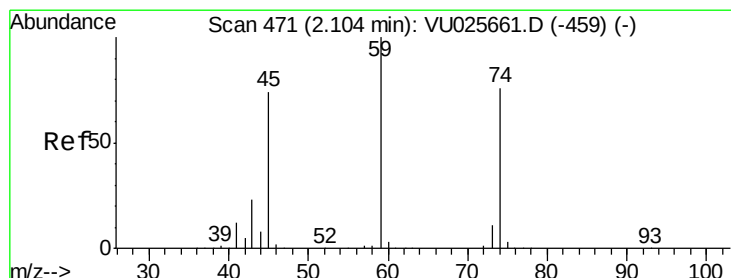
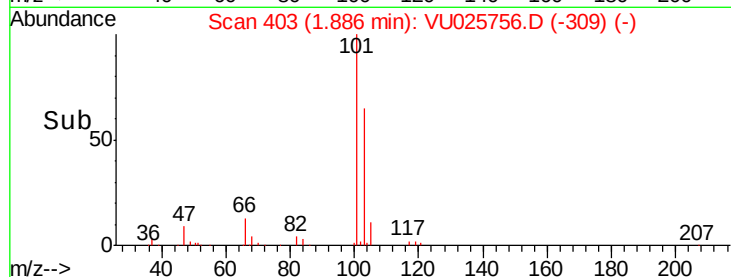
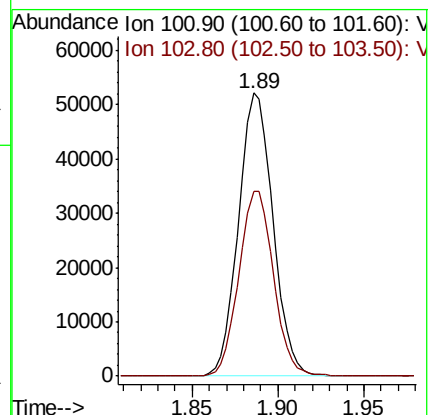
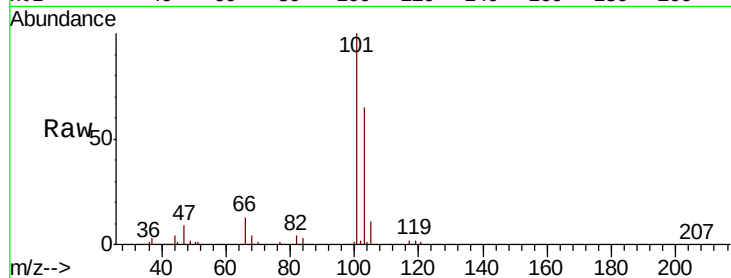
VU0801MBS01

Tot Ion:101 Resp: 72601

Ion Ratio Lower Upper

101 100

103 65.3 52.2 78.2



#8

Diethyl Ether

Concen: 19.89 ug/l

RT: 2.10 min Scan# 471

Delta R.T. 0.00 min

Lab File: VU025756.D

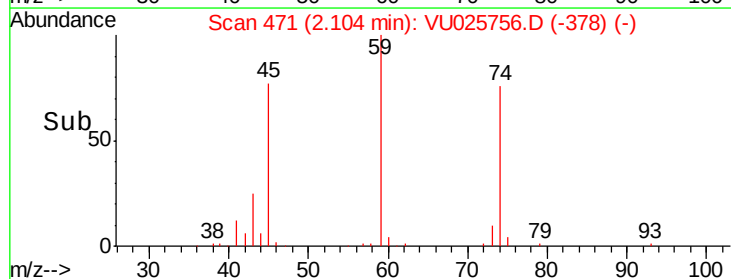
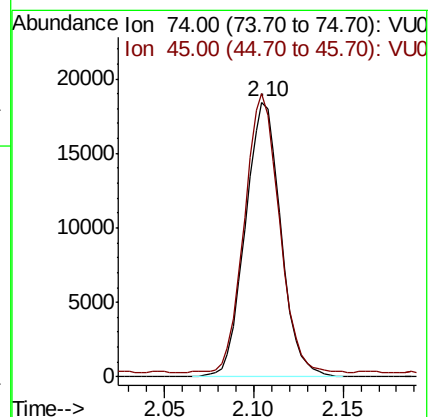
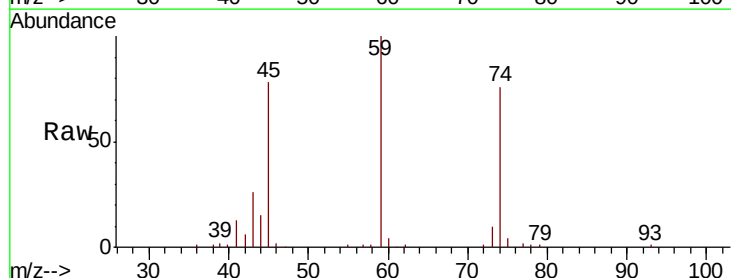
Acq: 31 Jul 2018 22:01

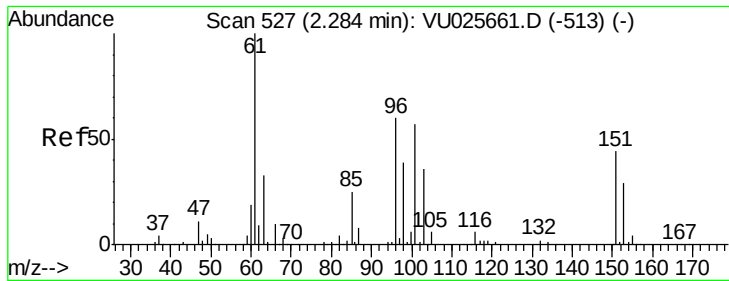
Tgt Ion: 74 Resp: 25551

Ion Ratio Lower Upper

74 100

45 99.0 48.3 144.9





#9

1,1,2-Trichlorotrifluoroethane

Concen: 20.20 ug/l

RT: 2.29 min Scan# 528

Delta R.T. 0.00 min

Lab File: VU025756.D

Acq: 31 Jul 2018 22:01

Instrument :

MSVOA_U

ClientSampleId :

VU0801MBS01

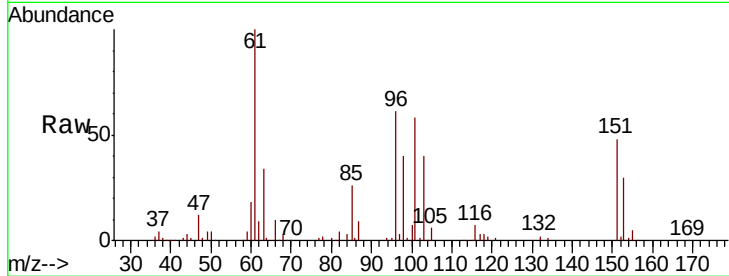
Tot Ion:101 Resp: 41493

Ion Ratio Lower Upper

101 100

85 45.6 36.0 54.0

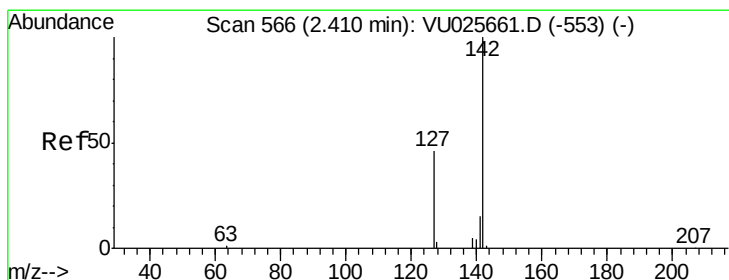
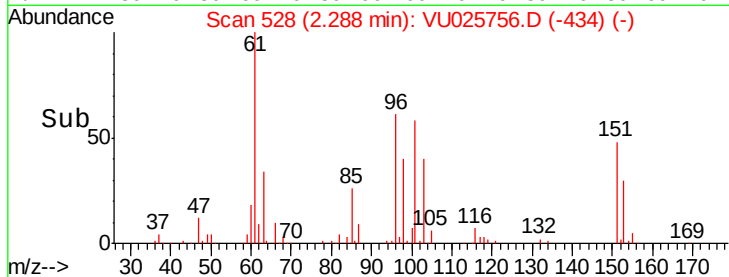
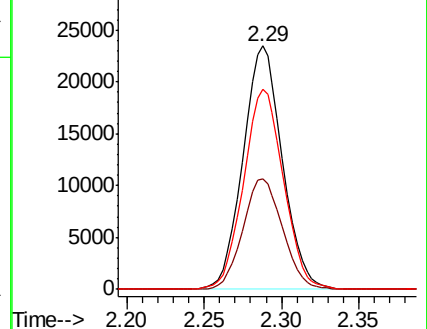
151 83.2 65.6 98.4



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: 21.59 ug/l

RT: 2.41 min Scan# 567

Delta R.T. 0.00 min

Lab File: VU025756.D

Acq: 31 Jul 2018 22:01

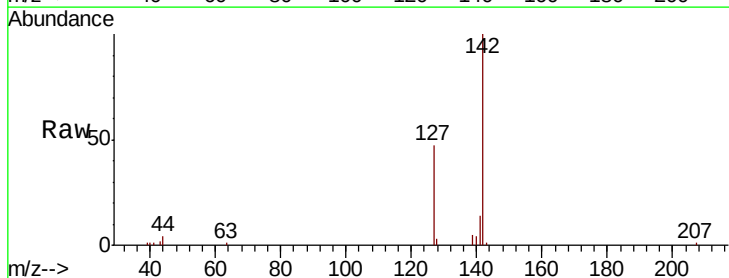
Tgt Ion:142 Resp: 30060

Ion Ratio Lower Upper

142 100

127 47.4 36.5 54.7

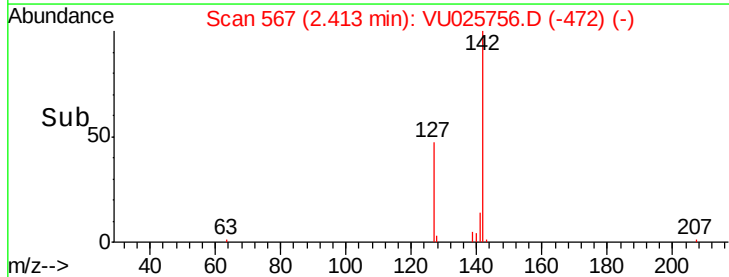
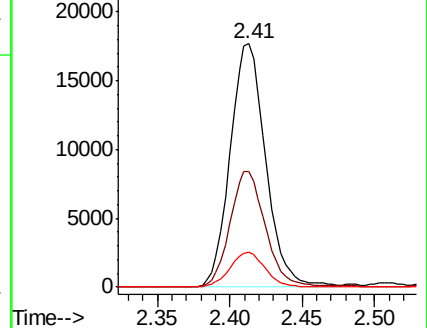
141 14.0 11.4 17.2

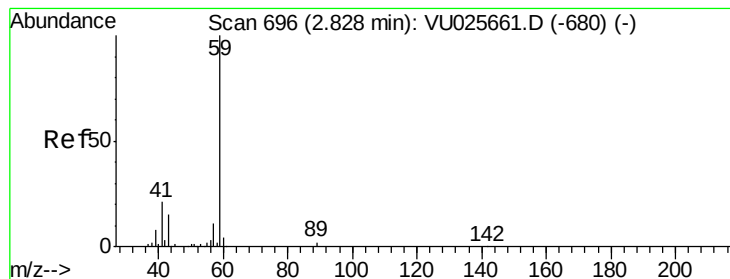


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



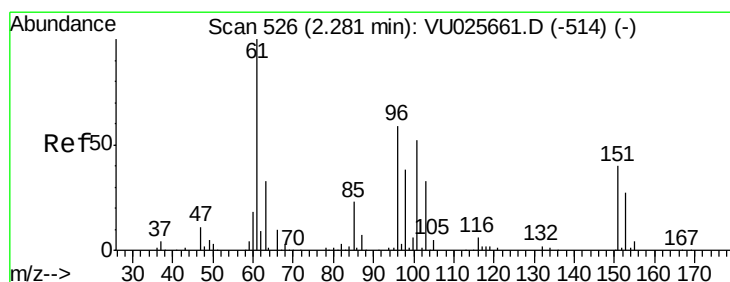
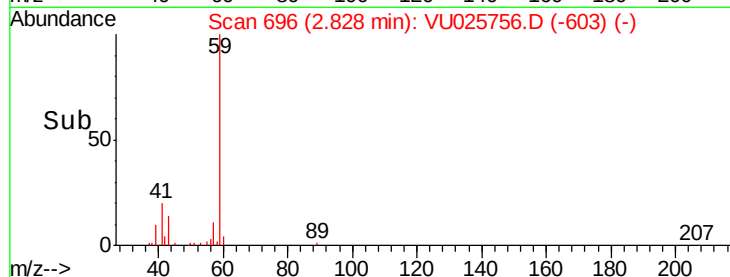
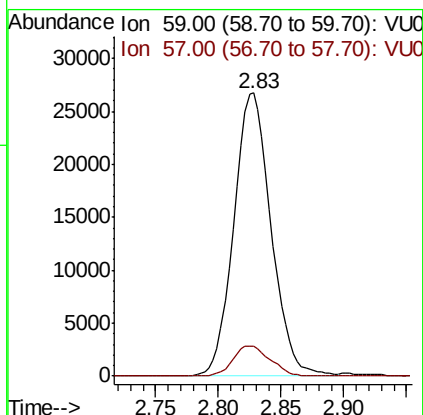
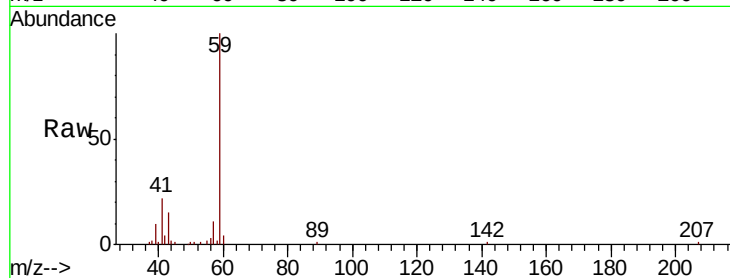


#11

Tert butyl alcohol
 Concen: 89.76 ug/l
 RT: 2.83 min Scan# 696
 Delta R.T. 0.00 min
 Lab File: VU025756.D
 Acq: 31 Jul 2018 22:01

Instrument :
 MSVOA_U
 ClientSampleId :
 VU0801MBSD01

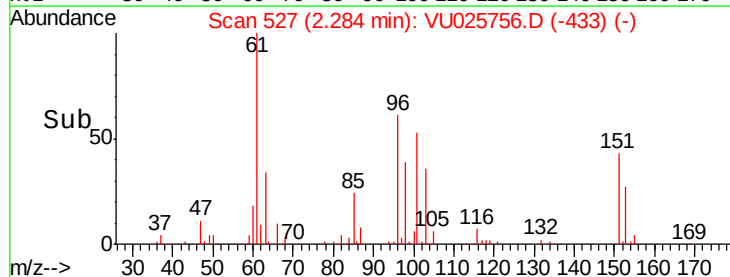
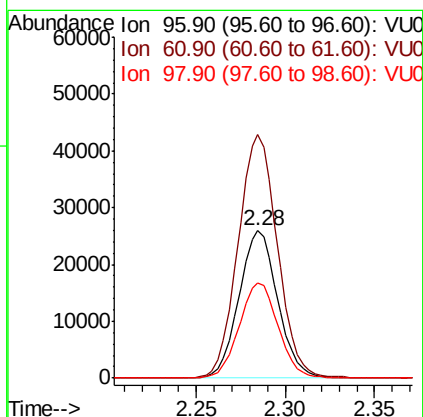
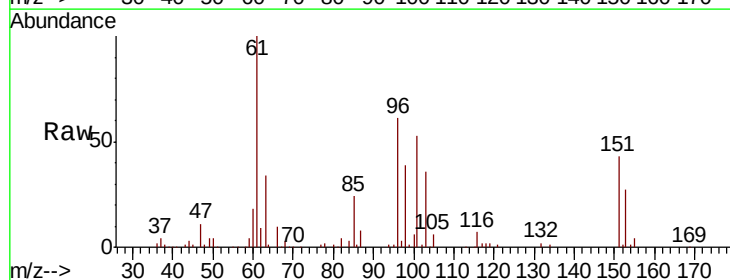
Tot Ion: 59 Resp: 55295
 Ion Ratio Lower Upper
 59 100
 57 10.5 8.2 12.2

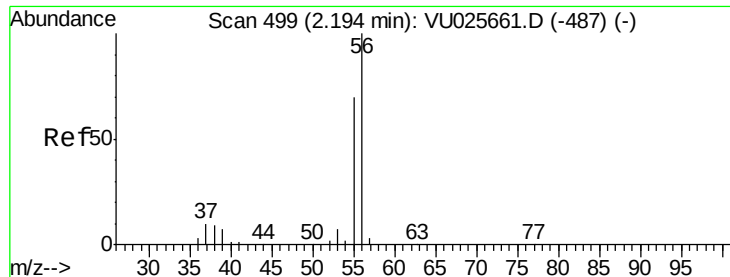


#12

1,1-Dichloroethene
 Concen: 20.30 ug/l
 RT: 2.28 min Scan# 527
 Delta R.T. 0.00 min
 Lab File: VU025756.D
 Acq: 31 Jul 2018 22:01

Tgt Ion: 96 Resp: 39359
 Ion Ratio Lower Upper
 96 100
 61 165.0 140.2 210.4
 98 64.9 49.3 73.9





#13

Acrolein

Concen: 121.38 ug/l

RT: 2.19 min Scan# 499

Delta R.T. 0.00 min

Lab File: VU025756.D

Acq: 31 Jul 2018 22:01

Instrument :

MSVOA_U

ClientSampleId :

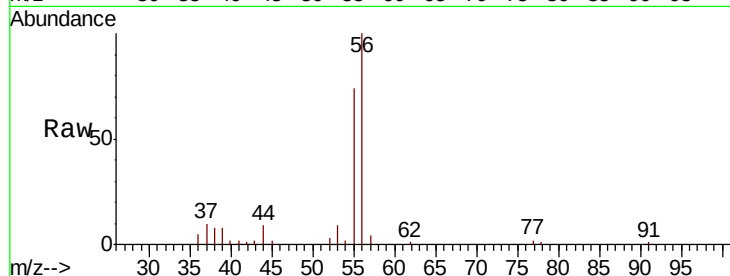
VU0801MBSD01

Tot Ion: 56 Resp: 27313

Ion Ratio Lower Upper

56 100

55 76.2 57.2 85.8



Abundance Ion 56.00 (55.70 to 56.70): VU0

Ion 55.00 (54.70 to 55.70): VU0

2.19

20000

15000

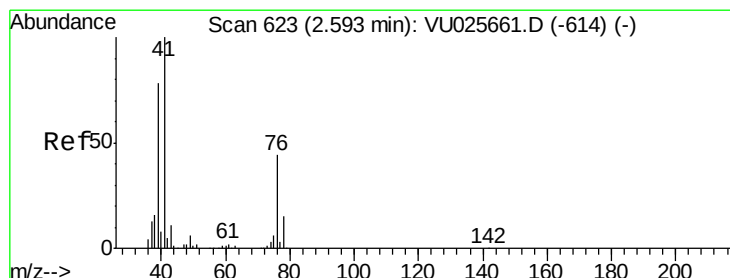
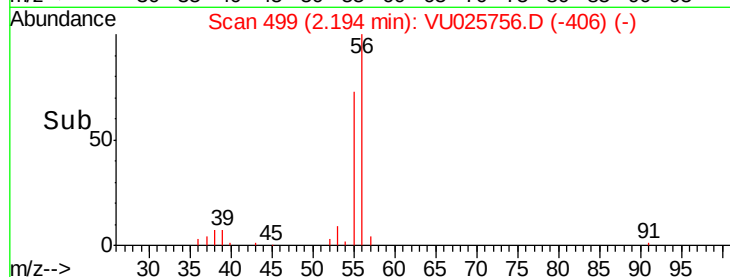
10000

5000

0

Time-->

2.15 2.20 2.25 2.30



#14

Allyl chloride

Concen: 19.15 ug/l

RT: 2.59 min Scan# 623

Delta R.T. 0.00 min

Lab File: VU025756.D

Acq: 31 Jul 2018 22:01

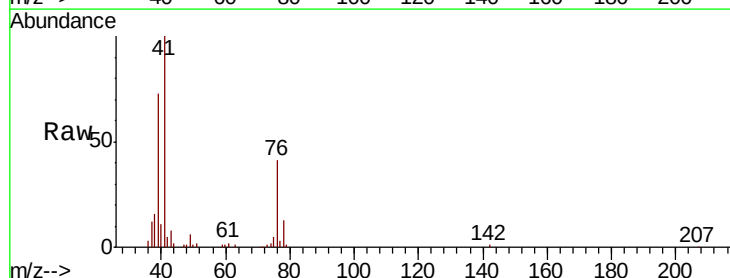
Tgt Ion: 41 Resp: 66732

Ion Ratio Lower Upper

41 100

39 71.5 60.6 91.0

76 39.2 30.5 45.7



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

50000

40000

30000

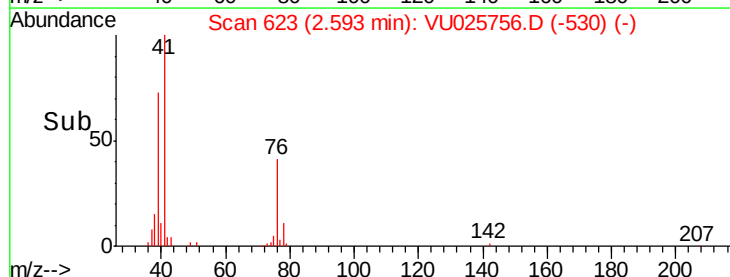
20000

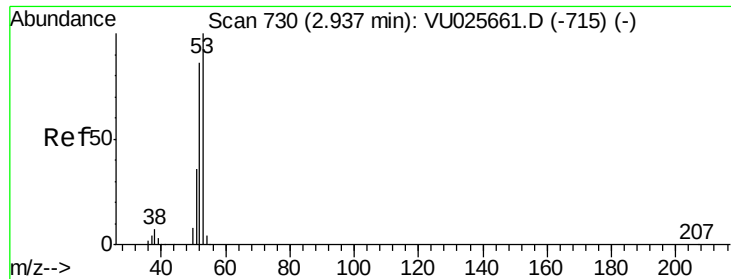
10000

0

Time-->

2.55 2.60 2.65





#15

Acrylonitrile

Concen: 103.54 ug/l

RT: 2.94 min Scan# 730

Delta R.T. 0.00 min

Lab File: VU025756.D

Acq: 31 Jul 2018 22:01

Instrument :

MSVOA_U

ClientSampleId :

VU0801MBSD01

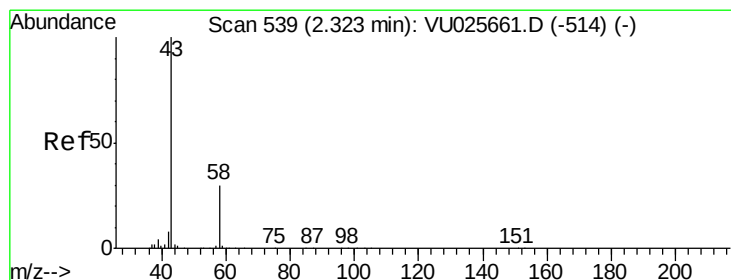
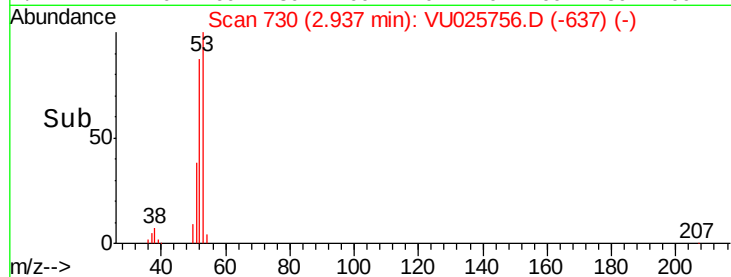
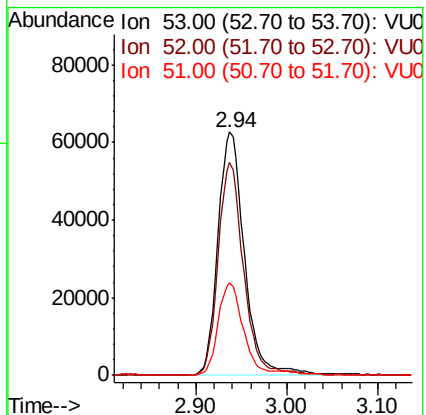
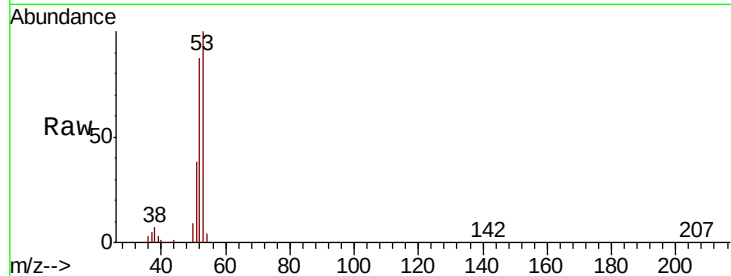
Tot Ion: 53 Resp: 127345

Ion Ratio Lower Upper

53 100

52 83.8 66.6 99.8

51 35.6 29.4 44.2



#16

Acetone

Concen: 83.39 ug/l

RT: 2.32 min Scan# 539

Delta R.T. 0.00 min

Lab File: VU025756.D

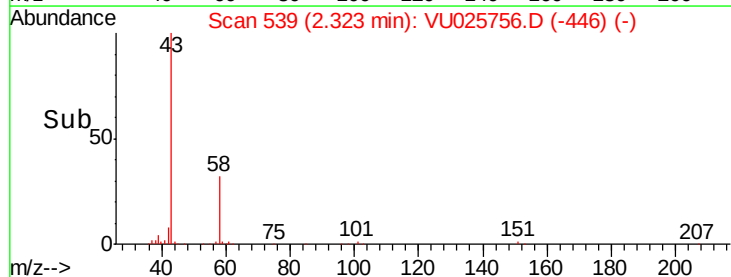
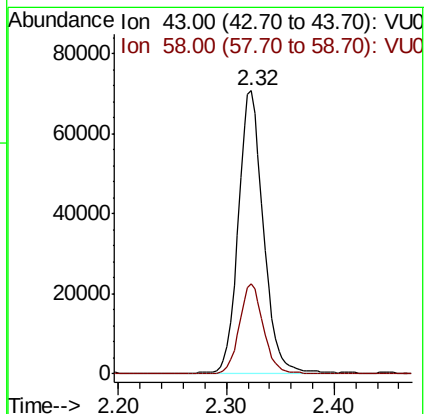
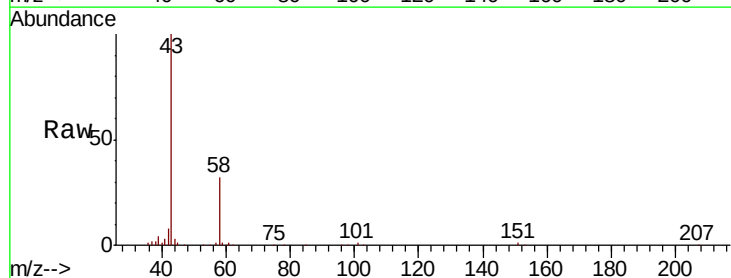
Acq: 31 Jul 2018 22:01

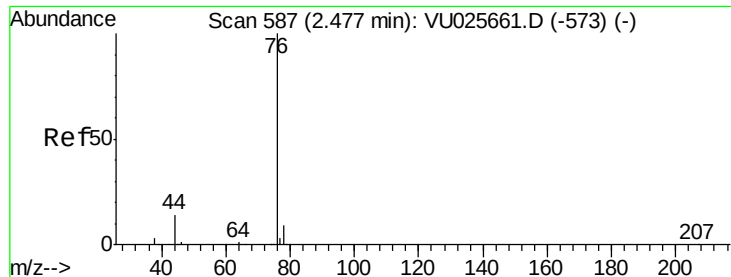
Tgt Ion: 43 Resp: 114393

Ion Ratio Lower Upper

43 100

58 31.7 23.1 34.7





#17

Carbon Disulfide

Concen: 19.35 ug/l

RT: 2.48 min Scan# 587

Delta R.T. 0.00 min

Lab File: VU025756.D

Acq: 31 Jul 2018 22:01

Instrument :

MSVOA_U

ClientSampleId :

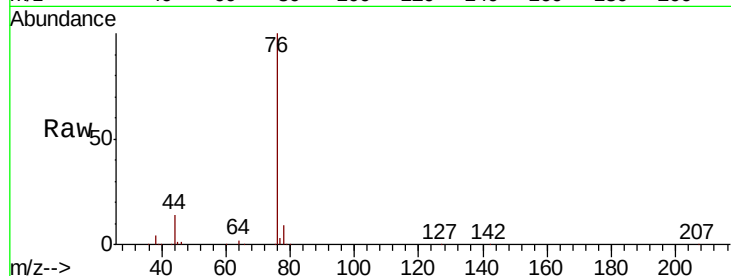
VU0801MBSD01

Tot Ion: 76 Resp: 121432

Ion Ratio Lower Upper

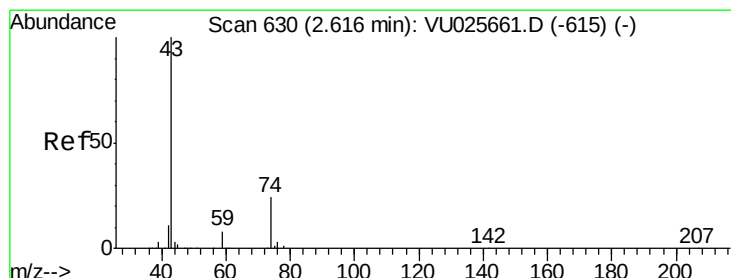
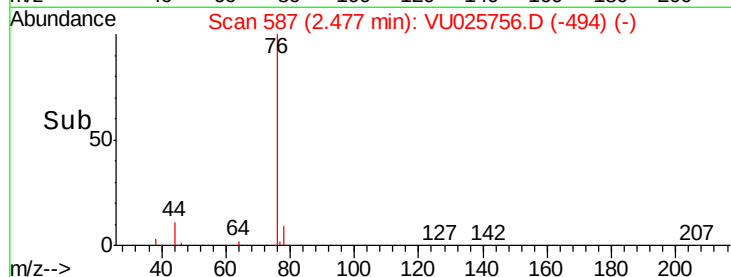
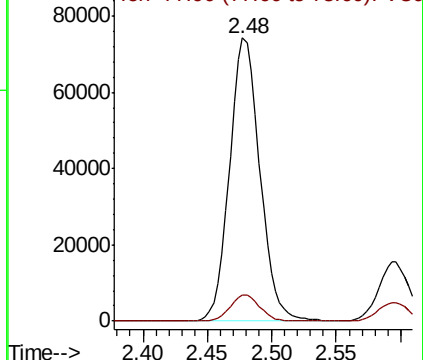
76 100

78 9.3 7.4 11.2



Abundance Ion 75.90 (75.60 to 76.60): VU0

Ion 77.90 (77.60 to 78.60): VU0



#18

Methyl Acetate

Concen: 24.14 ug/l

RT: 2.62 min Scan# 631

Delta R.T. 0.00 min

Lab File: VU025756.D

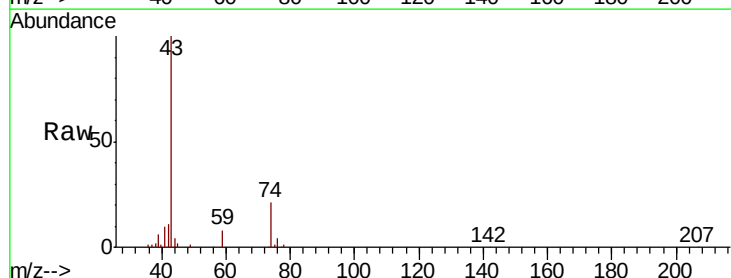
Acq: 31 Jul 2018 22:01

Tgt Ion: 43 Resp: 79694

Ion Ratio Lower Upper

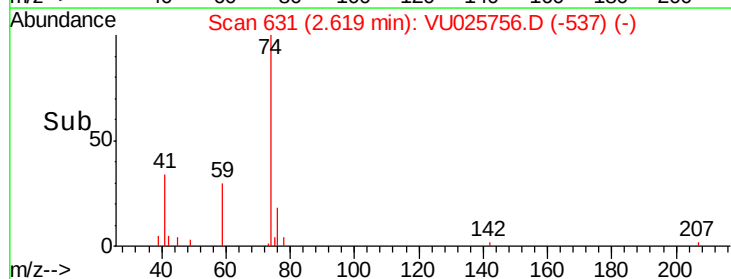
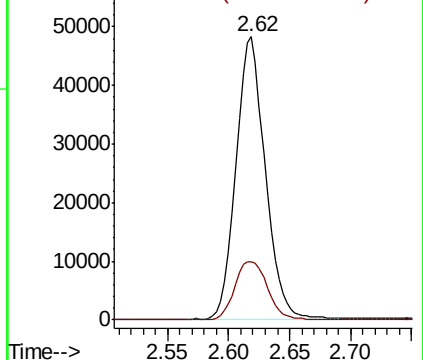
43 100

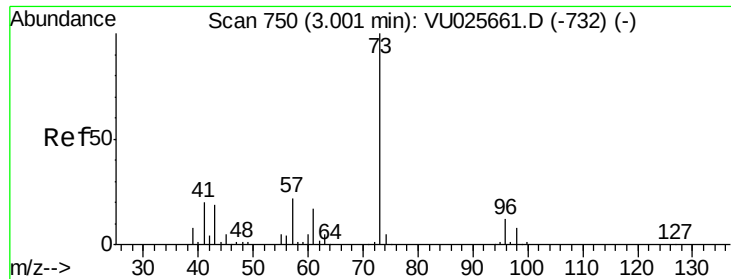
74 23.2 18.5 27.7



Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 74.00 (73.70 to 74.70): VU0

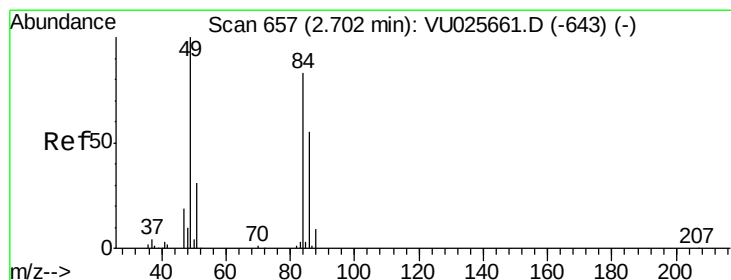
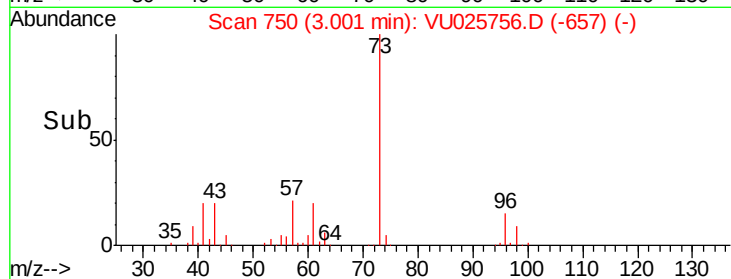
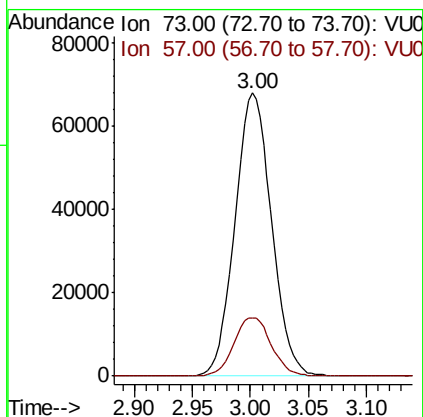
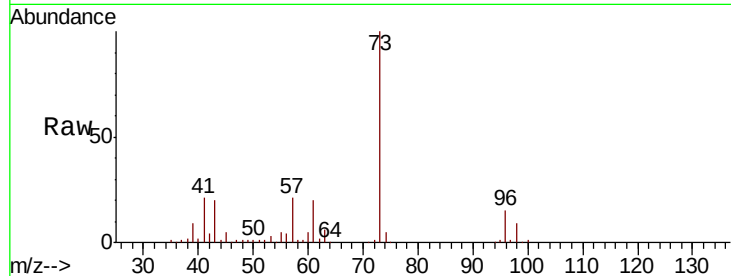




#19
Methyl tert-butyl Ether
Concen: 21.09 ug/l
RT: 3.00 min Scan# 750
Delta R.T. 0.00 min
Lab File: VU025756.D
Acq: 31 Jul 2018 22:01

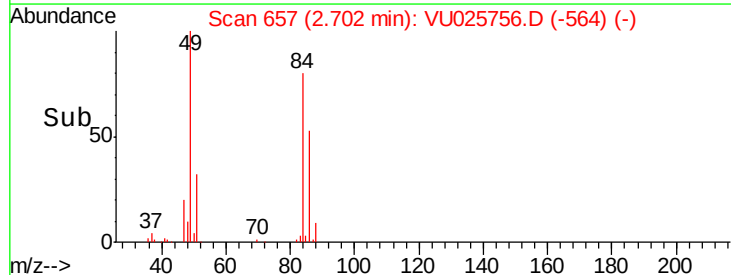
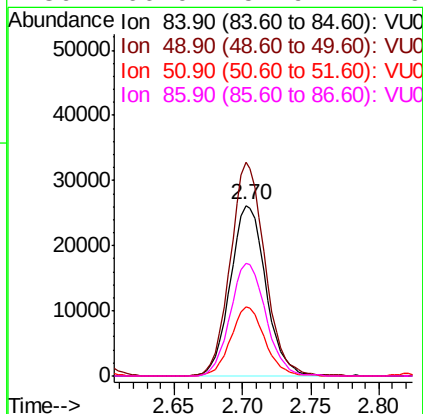
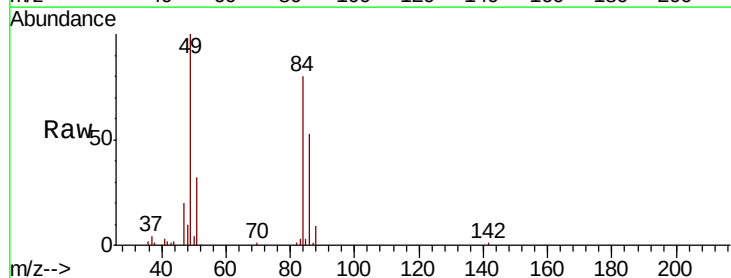
Instrument :
MSVOA_U
ClientSampleId :
VU0801MBSD01

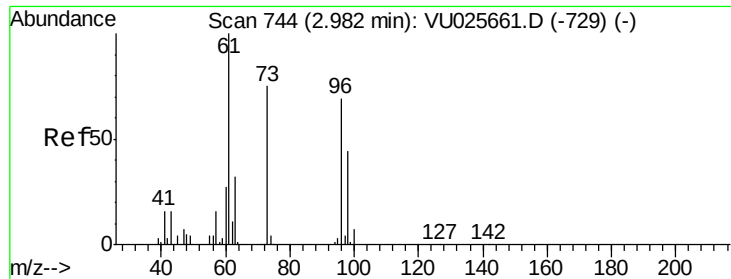
Tot Ion: 73 Resp: 148214
Ion Ratio Lower Upper
73 100
57 20.8 17.4 26.2



#20
Methylene Chloride
Concen: 19.44 ug/l
RT: 2.70 min Scan# 657
Delta R.T. 0.00 min
Lab File: VU025756.D
Acq: 31 Jul 2018 22:01

Tgt Ion: 84 Resp: 47253
Ion Ratio Lower Upper
84 100
49 125.3 101.8 152.6
51 40.4 30.8 46.2
86 66.0 51.9 77.9





#21

trans-1,2-Dichloroethene

Concen: 20.70 ug/l

RT: 2.99 min Scan# 745

Delta R.T. 0.00 min

Lab File: VU025756.D

Acq: 31 Jul 2018 22:01

Instrument :

MSVOA_U

ClientSampleId :

VU0801MBSD01

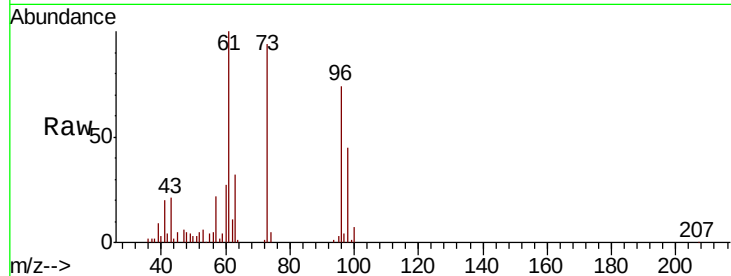
Tot Ion: 96 Resp: 46392

Ion Ratio Lower Upper

96 100

61 135.8 114.5 171.7

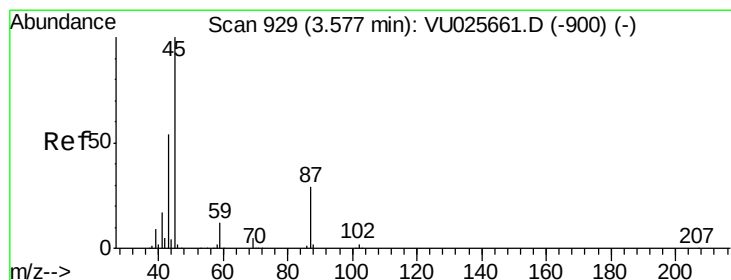
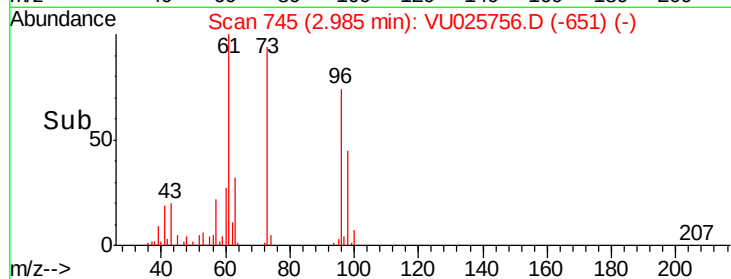
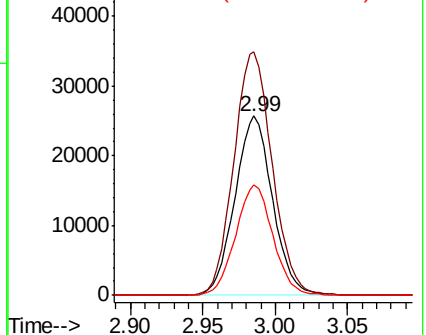
98 61.6 50.5 75.7



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: 20.94 ug/l

RT: 3.57 min Scan# 928

Delta R.T. -0.00 min

Lab File: VU025756.D

Acq: 31 Jul 2018 22:01

Tgt Ion: 45 Resp: 143748

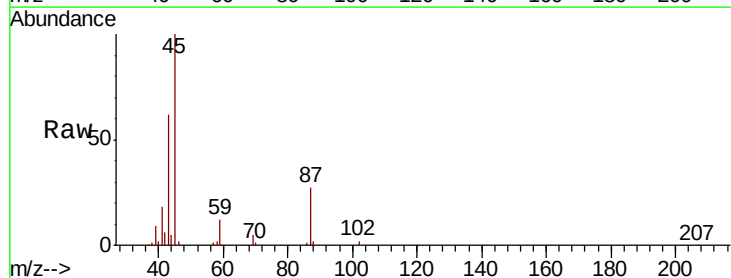
Ion Ratio Lower Upper

45 100

43 61.0 50.9 76.3

87 27.2 23.8 35.8

59 11.7 9.0 13.4

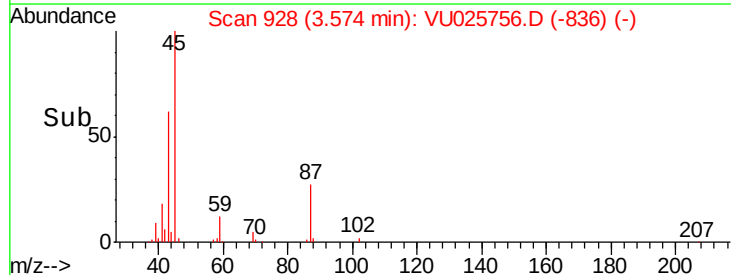
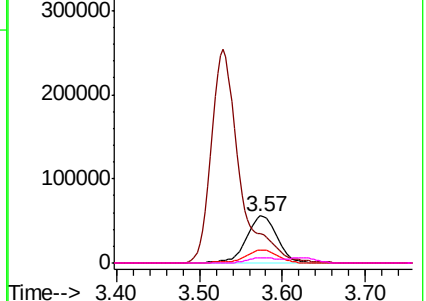


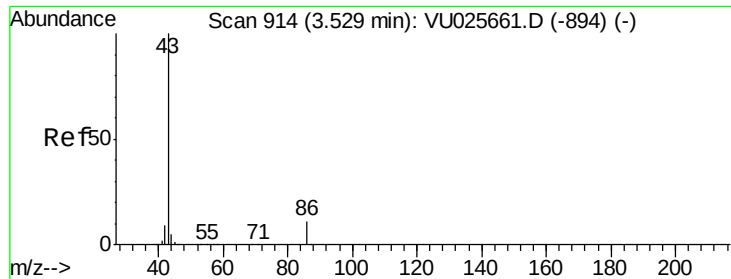
Abundance Ion 45.00 (44.70 to 45.70): VU0

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: 100.88 ug/l

RT: 3.53 min Scan# 914

Delta R.T. 0.00 min

Lab File: VU025756.D

Acq: 31 Jul 2018 22:01

Instrument :

MSVOA_U

ClientSampleId :

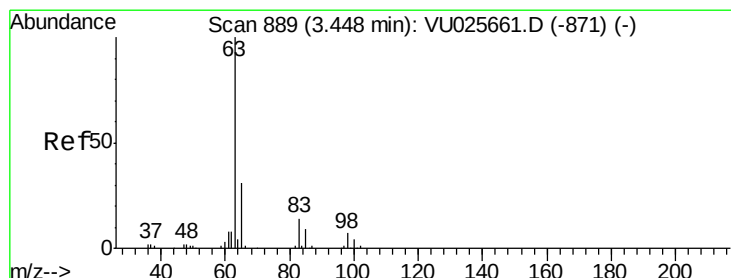
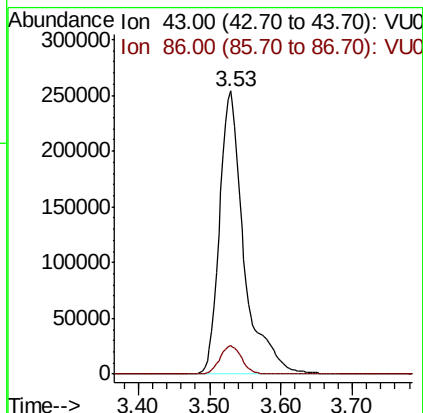
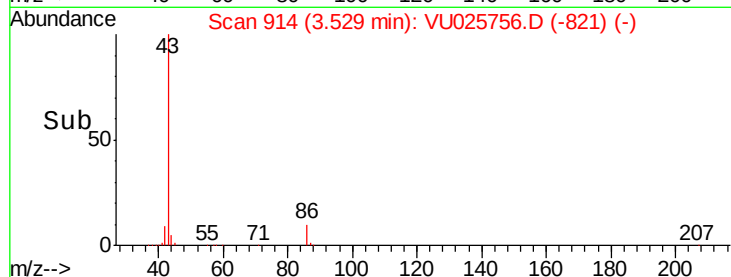
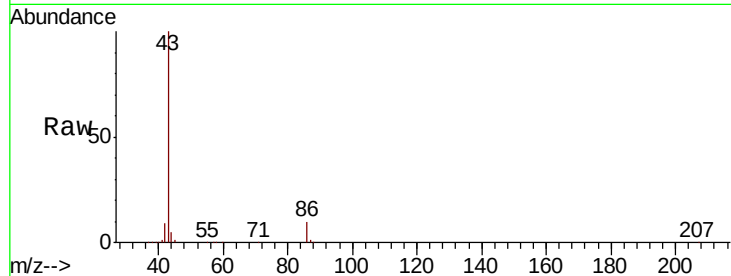
VU0801MBS01

Tot Ion: 43 Resp: 603665

Ion Ratio Lower Upper

43 100

86 10.1 8.2 12.2



#24

1,1-Dichloroethane

Concen: 21.19 ug/l

RT: 3.45 min Scan# 889

Delta R.T. 0.00 min

Lab File: VU025756.D

Acq: 31 Jul 2018 22:01

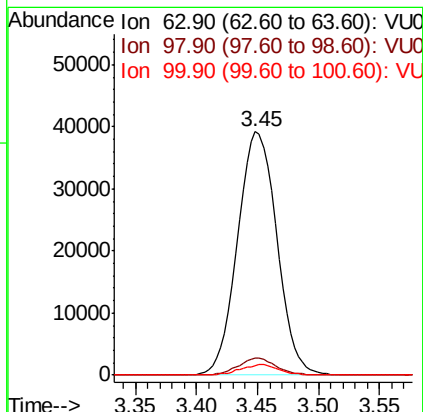
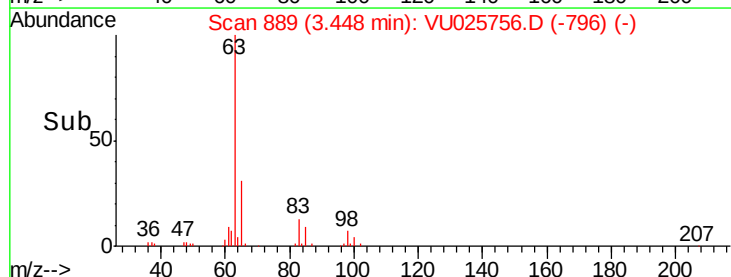
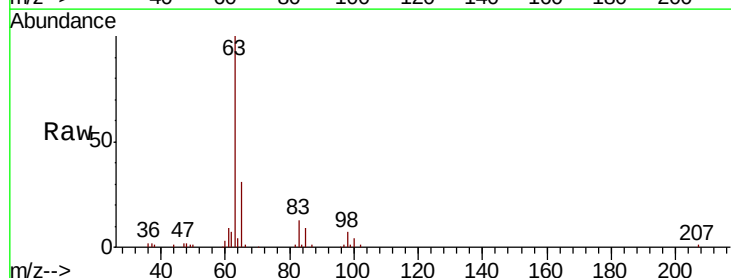
Tgt Ion: 63 Resp: 87351

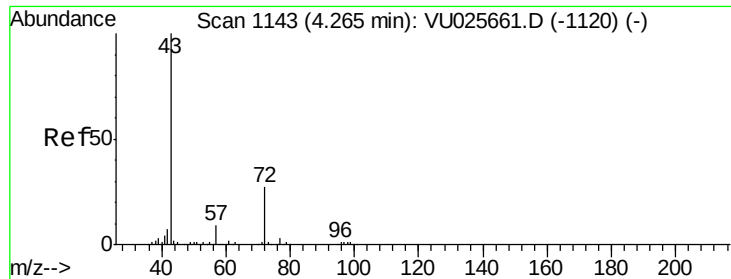
Ion Ratio Lower Upper

63 100

98 7.1 3.4 10.1

100 4.0 2.0 6.0

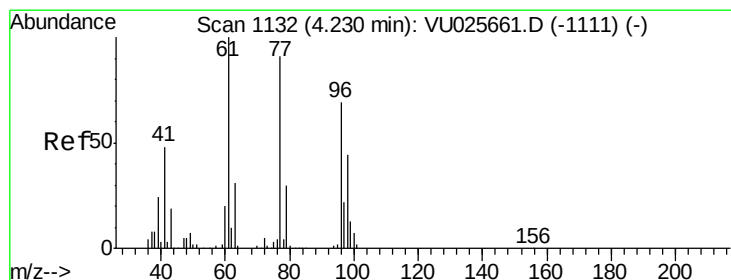
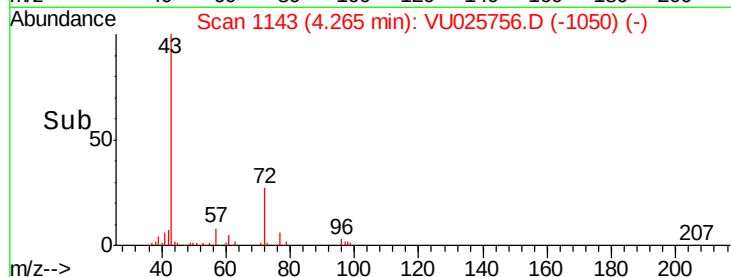
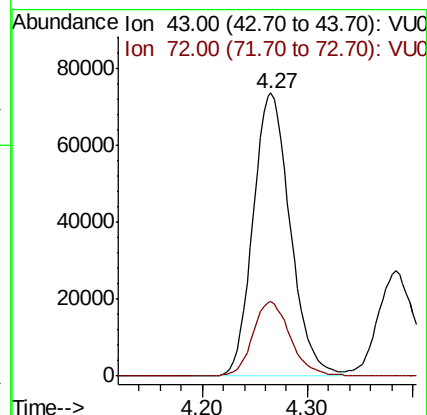
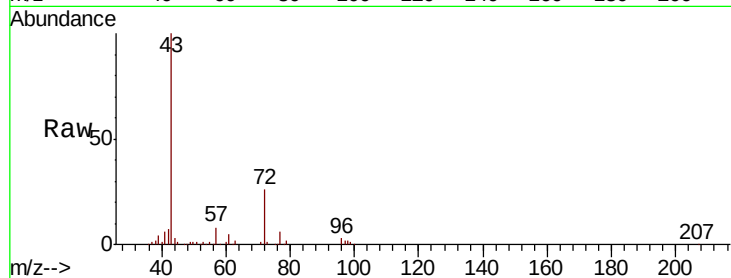




#25
2-Butanone
Concen: 96.77 ug/l
RT: 4.27 min Scan# 1143
Delta R.T. 0.00 min
Lab File: VU025756.D
Acq: 31 Jul 2018 22:01

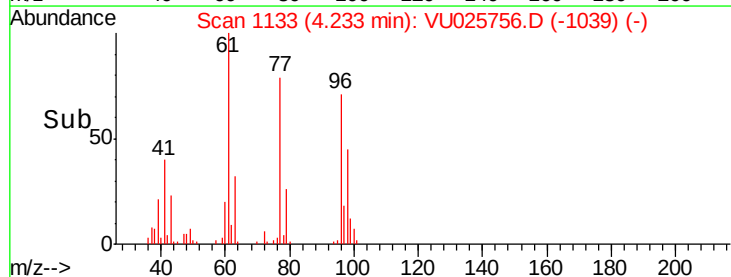
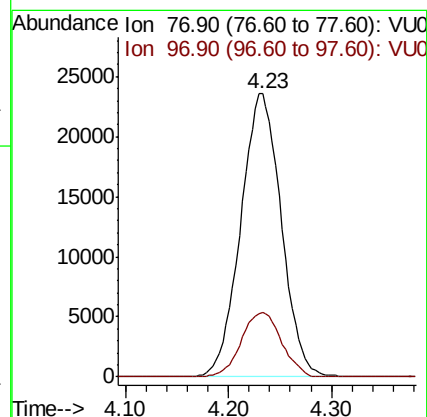
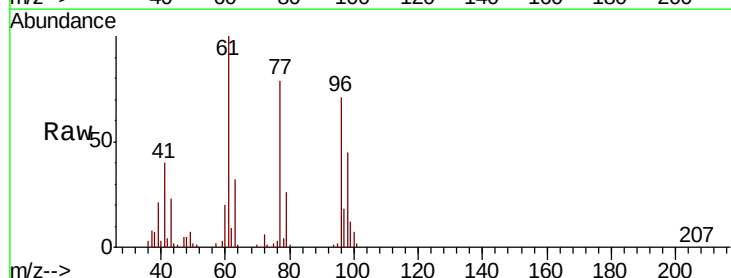
Instrument :
MSVOA_U
ClientSampleId :
VU0801MBSD01

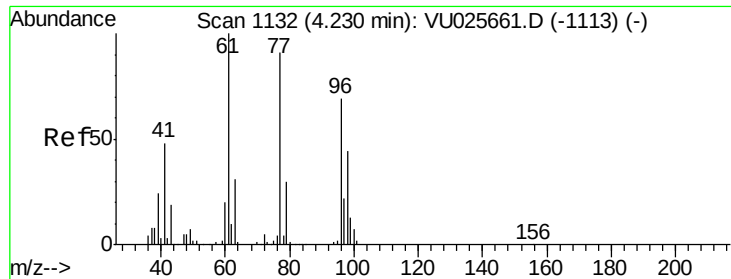
Tot Ion: 43 Resp: 180698
Ion Ratio Lower Upper
43 100
72 26.5 21.0 31.4



#26
2,2-Dichloropropane
Concen: 17.16 ug/l
RT: 4.23 min Scan# 1133
Delta R.T. 0.00 min
Lab File: VU025756.D
Acq: 31 Jul 2018 22:01

Tgt Ion: 77 Resp: 64271
Ion Ratio Lower Upper
77 100
97 22.6 11.2 33.5





#27

cis-1,2-Dichloroethene

Concen: 20.21 ug/l

RT: 4.23 min Scan# 1133

Delta R.T. 0.00 min

Lab File: VU025756.D

Acq: 31 Jul 2018 22:01

Instrument :

MSVOA_U

ClientSampleId :

VU0801MBSD01

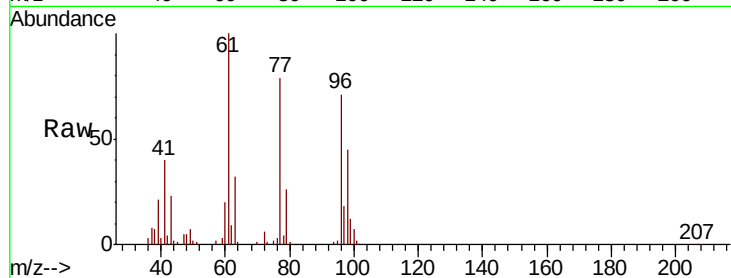
Tot Ion: 96 Resp: 51065

Ion Ratio Lower Upper

96 100

61 146.9 0.0 299.8

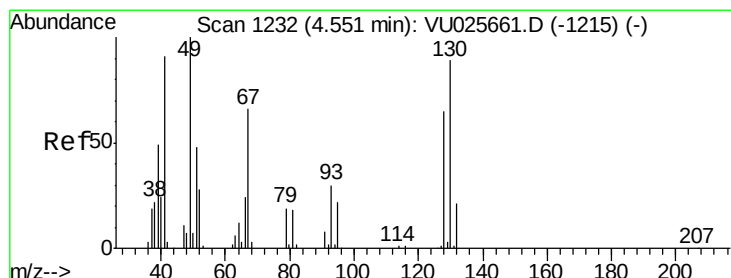
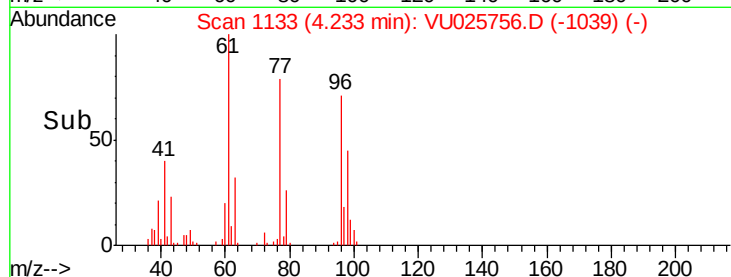
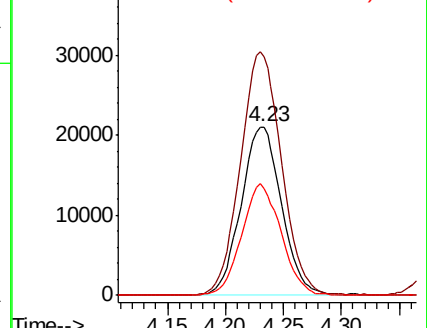
98 64.4 0.0 128.6



Abundance Ion 95.90 (95.60 to 96.60): VU0

Ion 60.90 (60.60 to 61.60): VU0

Ion 97.90 (97.60 to 98.60): VU0



#28

Bromochloromethane

Concen: 21.71 ug/l

RT: 4.55 min Scan# 1233

Delta R.T. 0.00 min

Lab File: VU025756.D

Acq: 31 Jul 2018 22:01

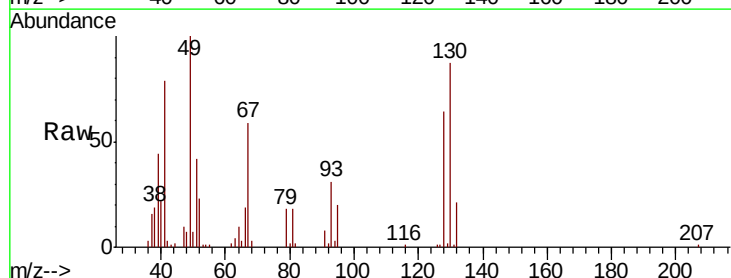
Tgt Ion: 49 Resp: 40004

Ion Ratio Lower Upper

49 100

129 1.8 0.0 4.6

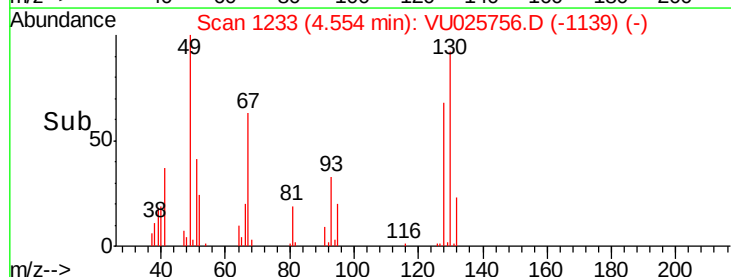
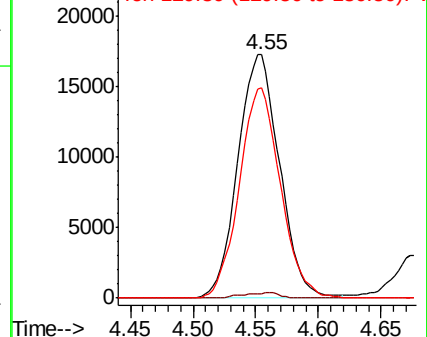
130 85.0 68.6 102.8

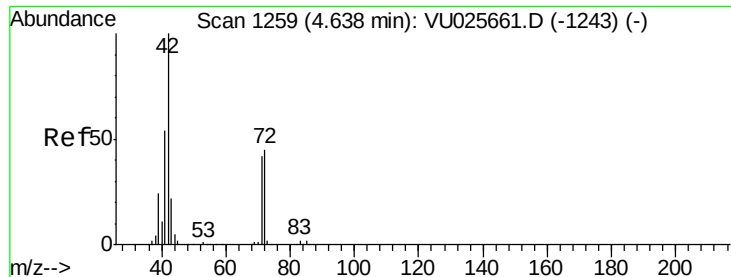


Abundance Ion 48.90 (48.60 to 49.60): VU0

Ion 128.80 (128.50 to 129.50): V

Ion 129.80 (129.50 to 130.50): V





#29

Tetrahydrofuran

Concen: 100.98 ug/l

RT: 4.64 min Scan# 1260

Delta R.T. 0.00 min

Lab File: VU025756.D

Acq: 31 Jul 2018 22:01

Instrument :

MSVOA_U

ClientSampleId :

VU0801MBSD01

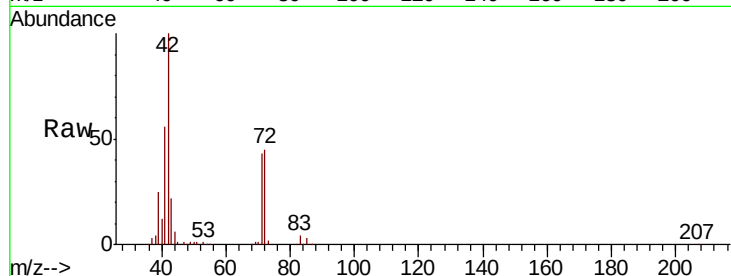
Tot Ion: 42 Resp: 112968

Ion Ratio Lower Upper

42 100

72 45.0 36.7 55.1

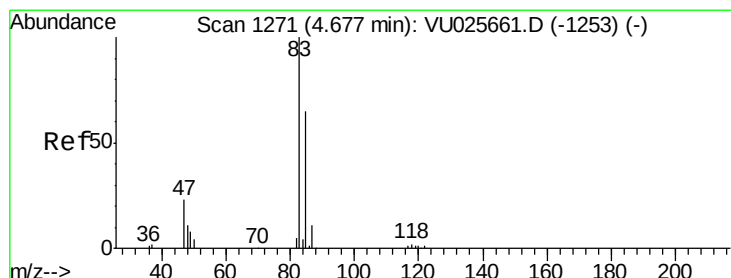
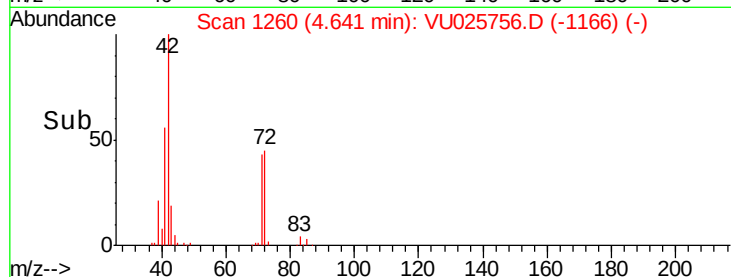
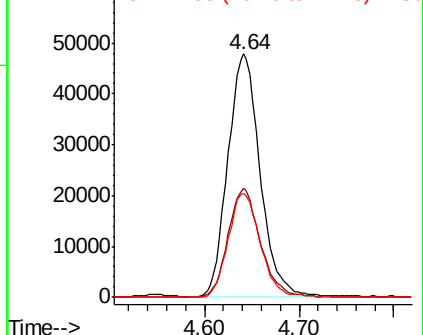
71 42.9 33.9 50.9



Abundance Ion 42.00 (41.70 to 42.70): VU0

Ion 72.00 (71.70 to 72.70): VU0

Ion 71.00 (70.70 to 71.70): VU0



#30

Chloroform

Concen: 20.73 ug/l

RT: 4.68 min Scan# 1271

Delta R.T. 0.00 min

Lab File: VU025756.D

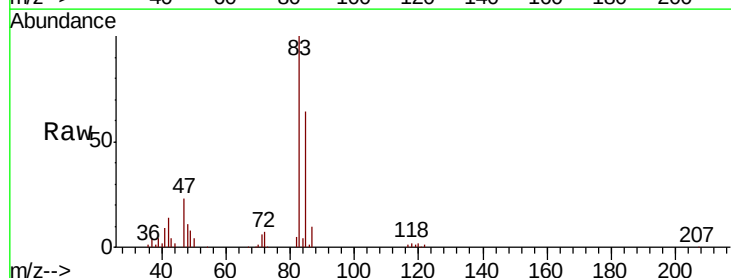
Acq: 31 Jul 2018 22:01

Tgt Ion: 83 Resp: 90199

Ion Ratio Lower Upper

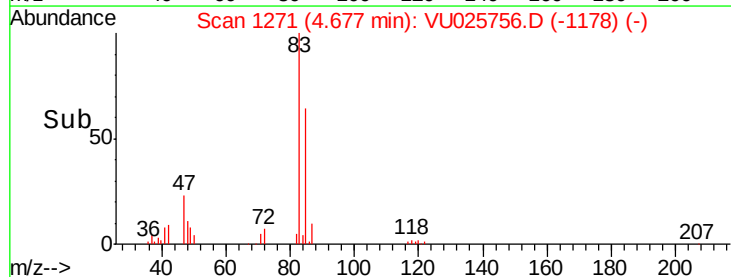
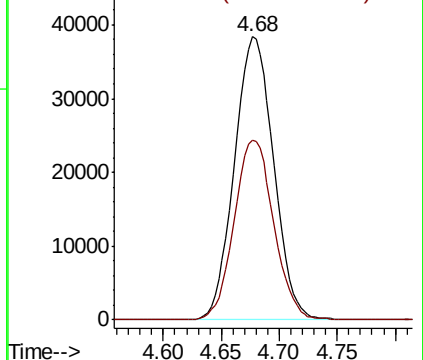
83 100

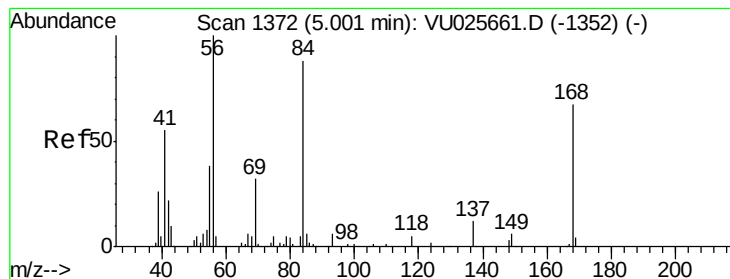
85 63.7 51.5 77.3



Abundance Ion 82.90 (82.60 to 83.60): VU0

Ion 84.90 (84.60 to 85.60): VU0





#31

Cyclohexane

Concen: 19.81 ug/l

RT: 5.00 min Scan# 1371

Delta R.T. -0.00 min

Lab File: VU025756.D

Acq: 31 Jul 2018 22:01

Instrument :

MSVOA_U

ClientSampleId :

VU0801MBSD01

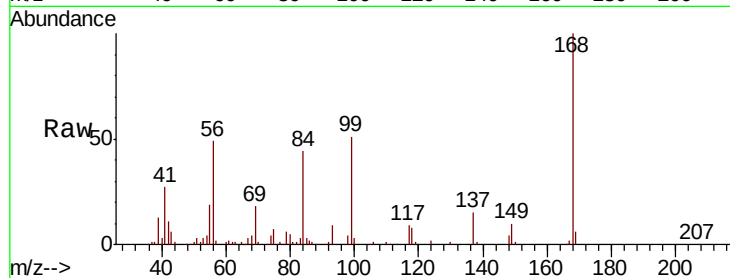
Tot Ion: 56 Resp: 73961

Ion Ratio Lower Upper

56 100

69 36.6 26.8 40.2

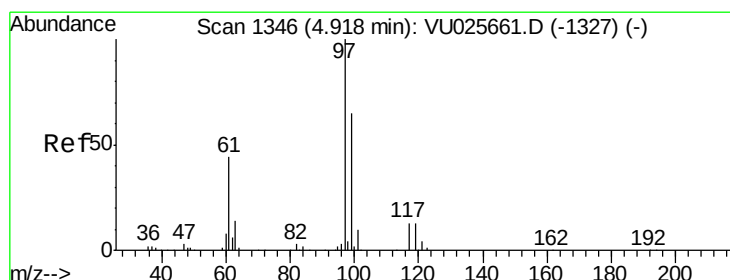
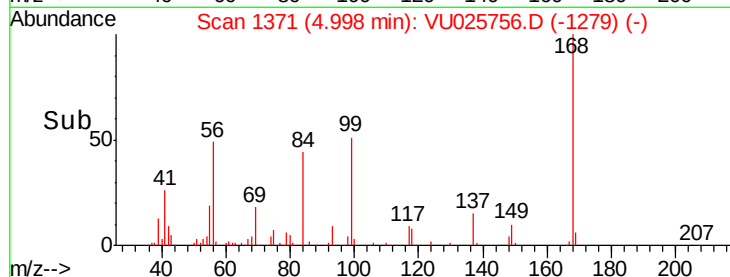
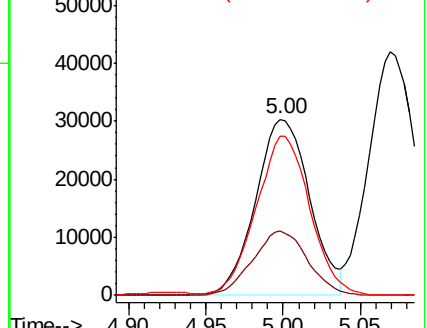
84 89.7 69.7 104.5



Abundance Ion 56.00 (55.70 to 56.70): VU0

Ion 69.00 (68.70 to 69.70): VU0

Ion 84.00 (83.70 to 84.70): VU0



#32

1,1,1-Trichloroethane

Concen: 21.20 ug/l

RT: 4.92 min Scan# 1346

Delta R.T. 0.00 min

Lab File: VU025756.D

Acq: 31 Jul 2018 22:01

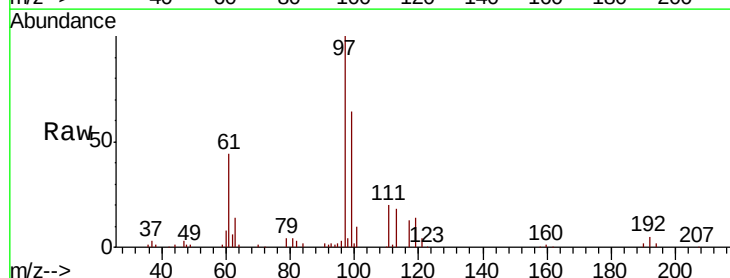
Tgt Ion: 97 Resp: 83053

Ion Ratio Lower Upper

97 100

99 63.1 50.8 76.2

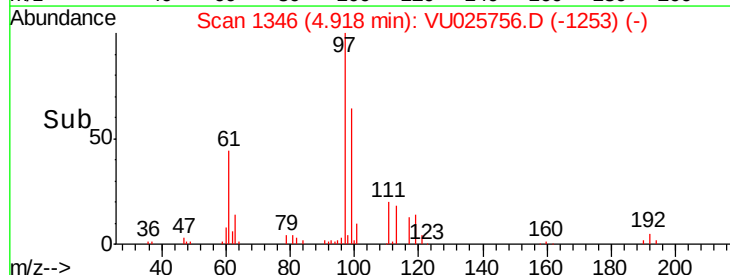
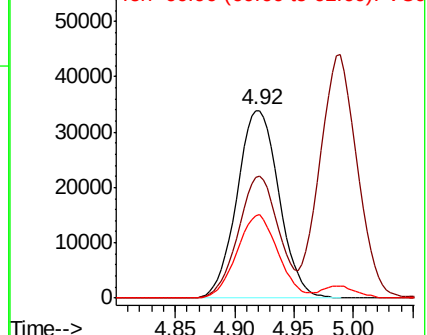
61 43.7 35.2 52.8

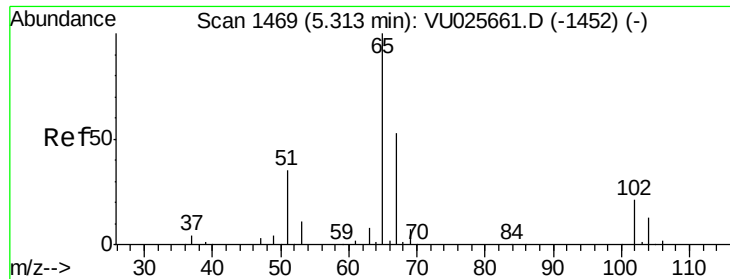


Abundance Ion 96.90 (96.60 to 97.60): VU0

Ion 98.90 (98.60 to 99.60): VU0

Ion 60.90 (60.60 to 61.60): VU0

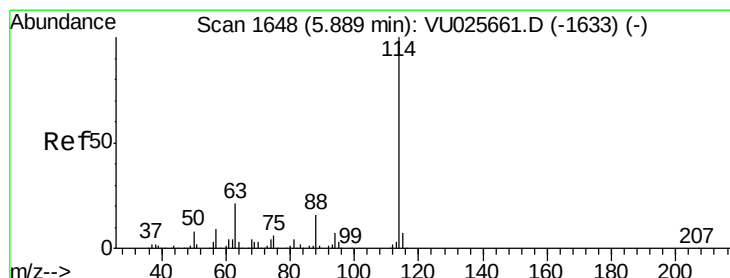
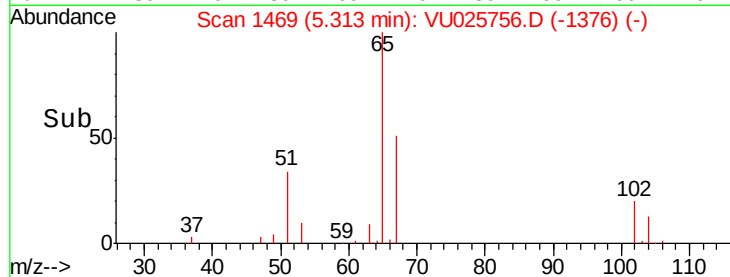
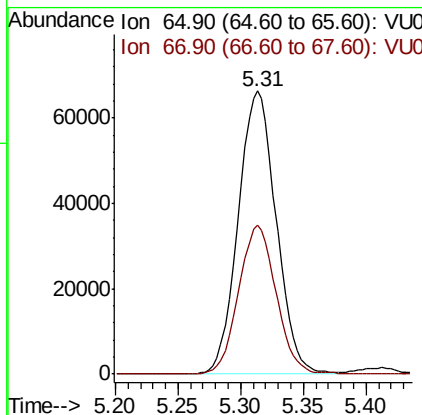
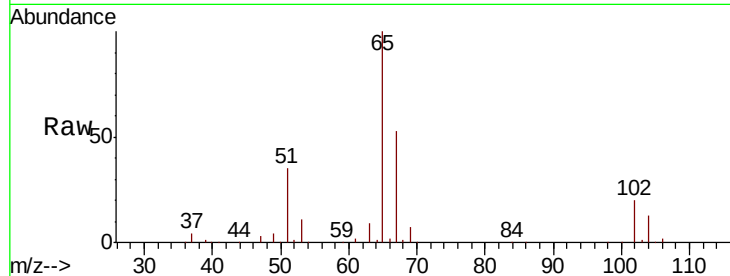




#33
 1,2-Dichloroethane-d4
 Concen: 49.57 ug/l
 RT: 5.31 min Scan# 1469
 Delta R.T. 0.00 min
 Lab File: VU025756.D
 Acq: 31 Jul 2018 22:01

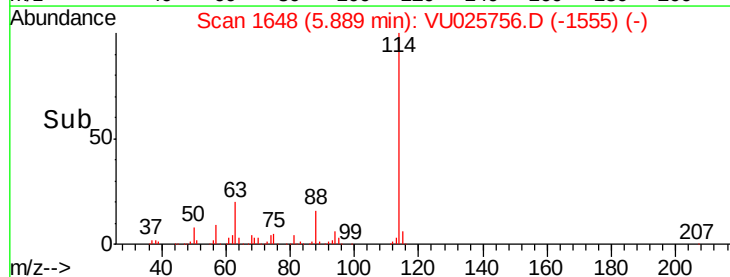
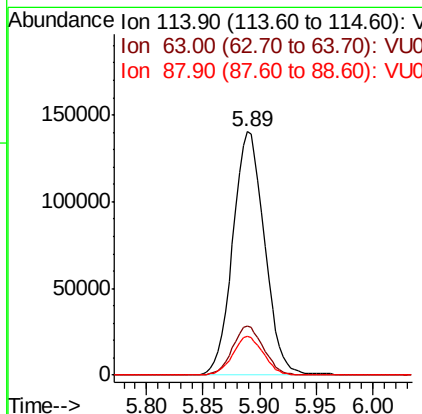
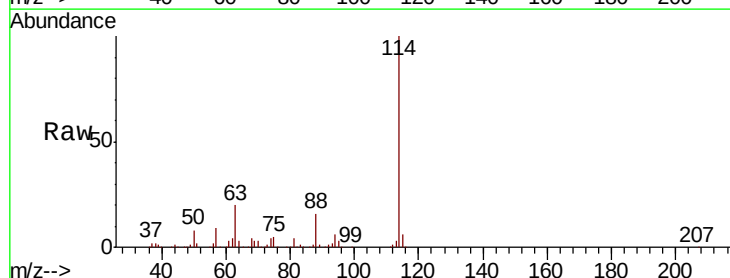
Instrument :
 MSVOA_U
 ClientSampleId :
 VU0801MBSD01

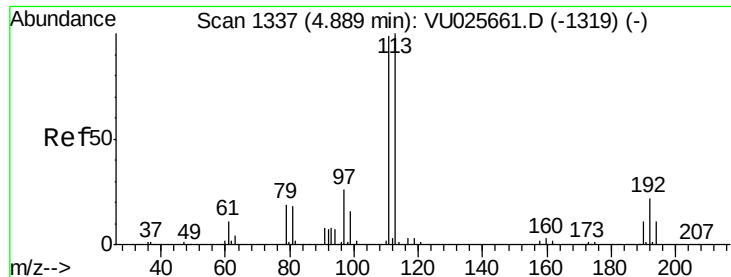
Tot Ion: 65 Resp: 139470
 Ion Ratio Lower Upper
 65 100
 67 52.1 0.0 103.6



#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 5.89 min Scan# 1648
 Delta R.T. 0.00 min
 Lab File: VU025756.D
 Acq: 31 Jul 2018 22:01

Tgt Ion: 114 Resp: 274278
 Ion Ratio Lower Upper
 114 100
 63 20.3 0.0 41.6
 88 16.0 0.0 32.4

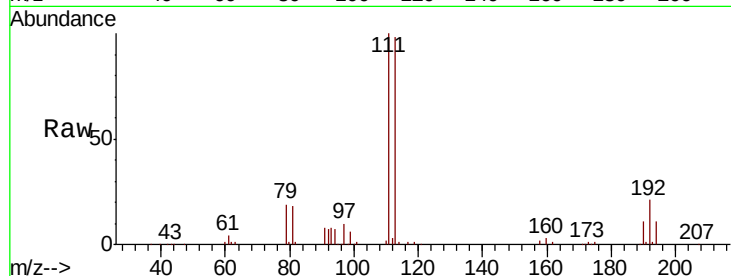




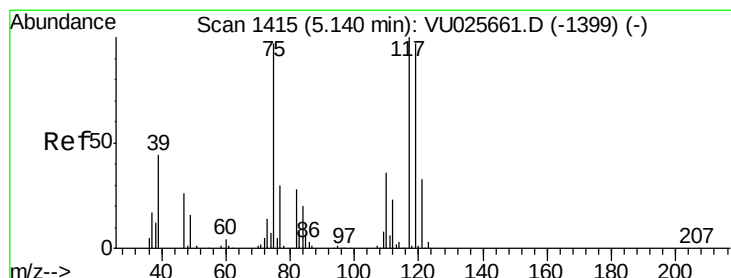
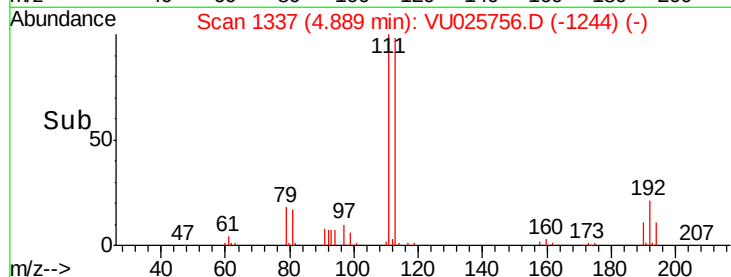
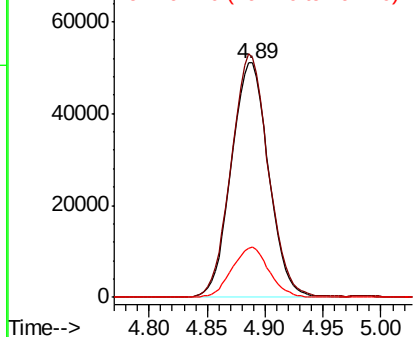
#35
 Dibromofluoromethane
 Concen: 47.76 ug/l
 RT: 4.89 min Scan# 1337
 Delta R.T. 0.00 min
 Lab File: VU025756.D
 Acq: 31 Jul 2018 22:01

Instrument :
 MSVOA_U
 ClientSampleId :
 VU0801MBSD01

Tot Ion:113 Resp: 113940
 Ion Ratio Lower Upper
 113 100
 111 103.0 81.7 122.5
 192 21.2 17.1 25.7

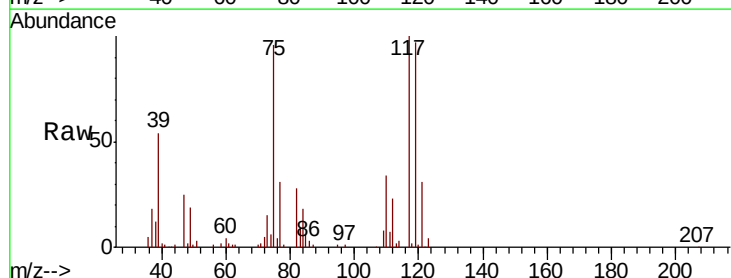


Abundance Ion 112.80 (112.50 to 113.50): V
 Ion 110.80 (110.50 to 111.50): V
 Ion 191.70 (191.40 to 192.40): V

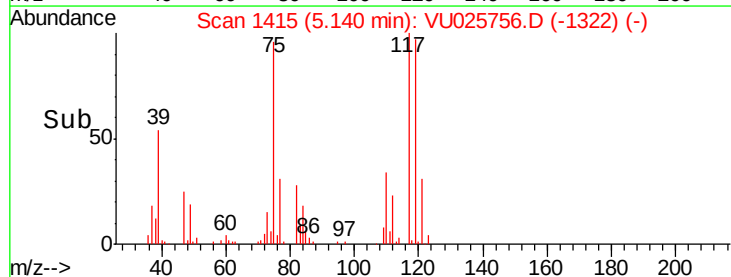
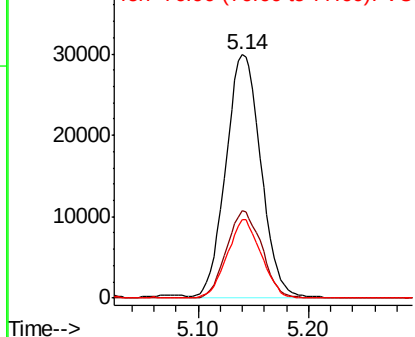


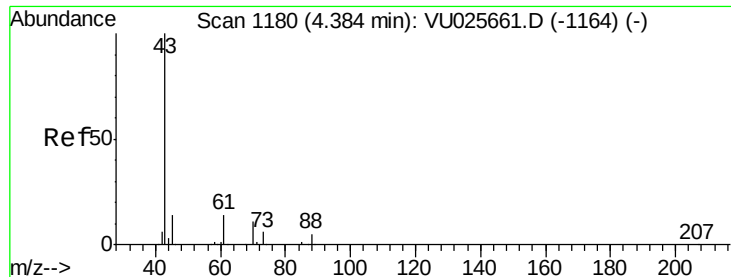
#36
 1,1-Dichloropropene
 Concen: 20.70 ug/l
 RT: 5.14 min Scan# 1415
 Delta R.T. 0.00 min
 Lab File: VU025756.D
 Acq: 31 Jul 2018 22:01

Tgt Ion: 75 Resp: 66338
 Ion Ratio Lower Upper
 75 100
 110 35.7 17.6 52.9
 77 31.1 24.4 36.6



Abundance Ion 74.90 (74.60 to 75.60): VU0
 Ion 109.90 (109.60 to 110.60): V
 Ion 76.90 (76.60 to 77.60): VU0

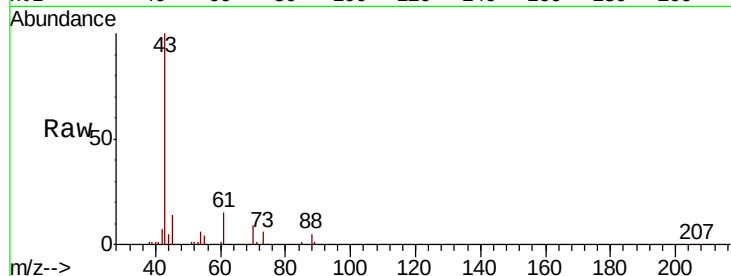




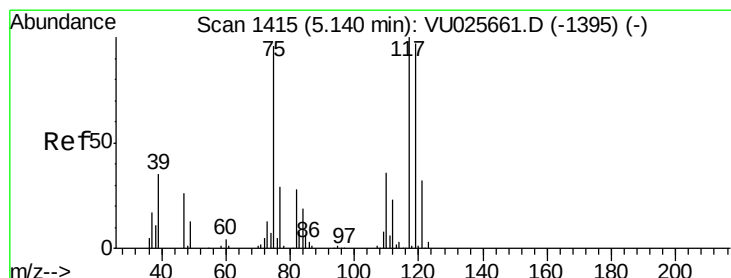
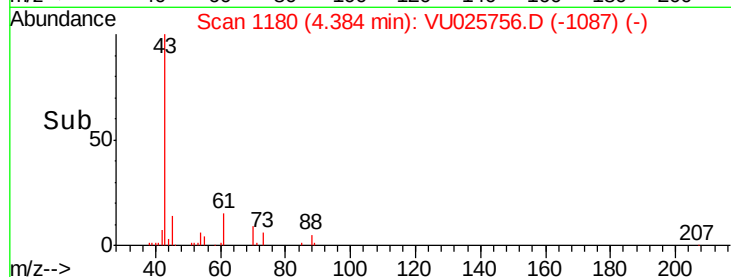
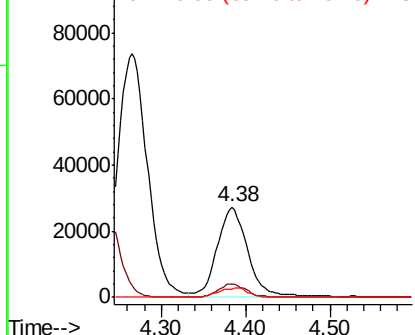
#37
Ethyl Acetate
Concen: 20.57 ug/l
RT: 4.38 min Scan# 1180
Delta R.T. 0.00 min
Lab File: VU025756.D
Acq: 31 Jul 2018 22:01

Instrument :
MSVOA_U
ClientSampleId :
VU0801MBSD01

Tot Ion: 43 Resp: 68370
Ion Ratio Lower Upper
43 100
61 14.0 10.7 16.1
70 10.2 8.4 12.6

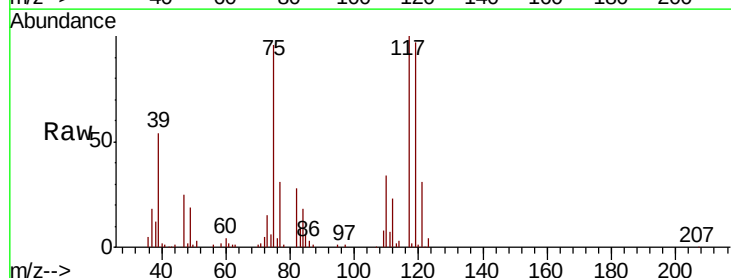


Abundance Ion 43.00 (42.70 to 43.70): VU0
Ion 60.90 (60.60 to 61.60): VU0
Ion 70.00 (69.70 to 70.70): VU0

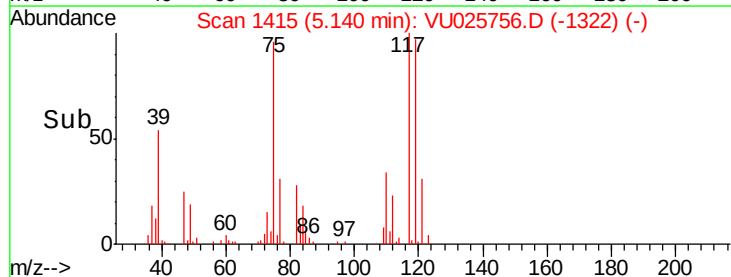
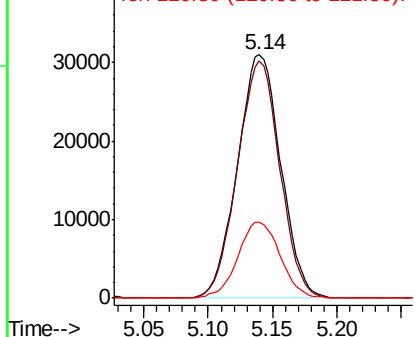


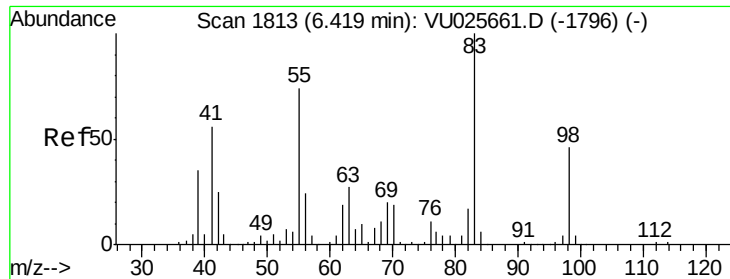
#38
Carbon Tetrachloride
Concen: 19.98 ug/l
RT: 5.14 min Scan# 1415
Delta R.T. 0.00 min
Lab File: VU025756.D
Acq: 31 Jul 2018 22:01

Tgt Ion: 117 Resp: 72549
Ion Ratio Lower Upper
117 100
119 97.3 75.7 113.5
121 31.2 24.6 36.8



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

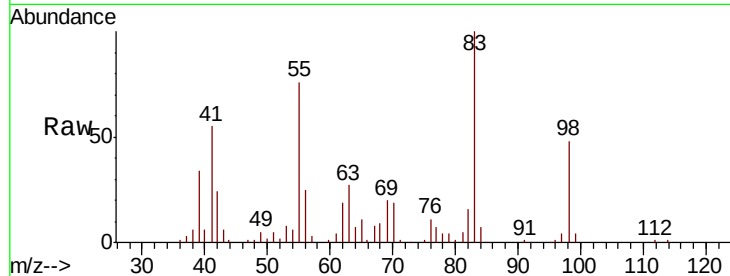




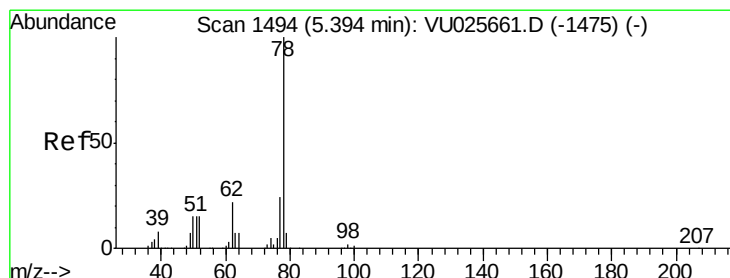
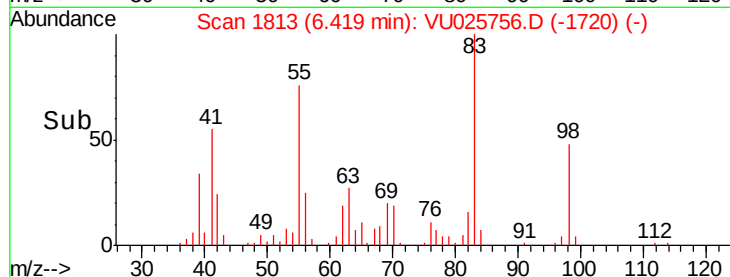
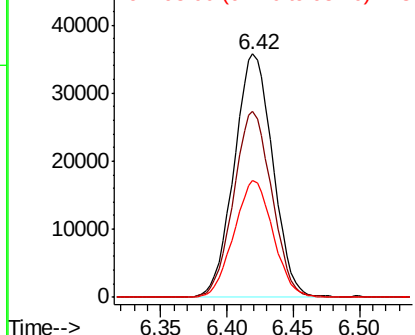
#39
Methylvlcyclohexane
Concen: 19.68 ug/l
RT: 6.42 min Scan# 1813
Delta R.T. 0.00 min
Lab File: VU025756.D
Acq: 31 Jul 2018 22:01

Instrument :
MSVOA_U
ClientSampleId :
VU0801MBSD01

Tot Ion: 83 Resp: 72263
Ion Ratio Lower Upper
83 100
55 76.3 60.0 90.0
98 47.9 36.1 54.1

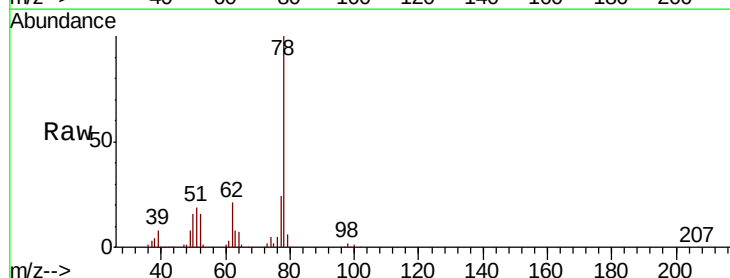


Abundance Ion 83.00 (82.70 to 83.70): VU0
Ion 55.00 (54.70 to 55.70): VU0
Ion 98.00 (97.70 to 98.70): VU0

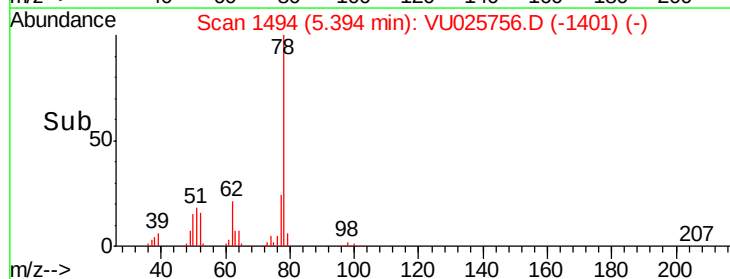
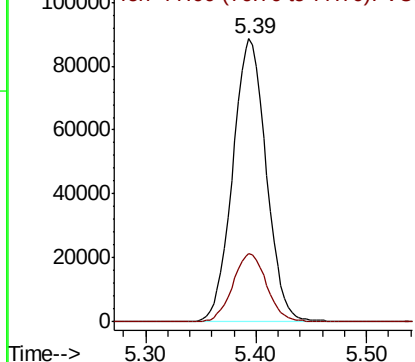


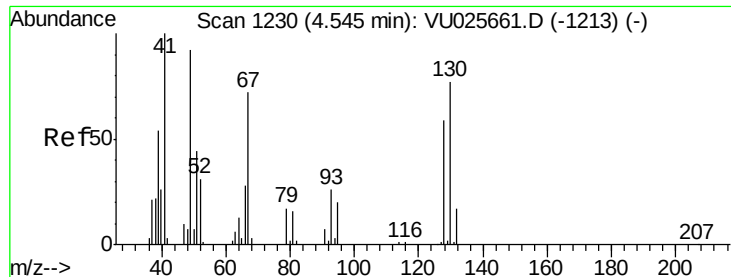
#40
Benzene
Concen: 19.88 ug/l
RT: 5.39 min Scan# 1494
Delta R.T. 0.00 min
Lab File: VU025756.D
Acq: 31 Jul 2018 22:01

Tgt Ion: 78 Resp: 186230
Ion Ratio Lower Upper
78 100
77 24.1 19.8 29.6



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

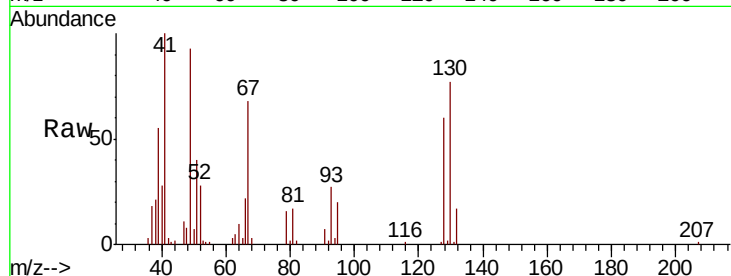




#41
Methacrylonitrile
Concen: 20.58 ug/l
RT: 4.54 min Scan# 1230
Delta R.T. 0.00 min
Lab File: VU025756.D
Acq: 31 Jul 2018 22:01

Instrument :
MSVOA_U
ClientSampleId :
VU0801MBSD01

Tot Ion:	41	Resp:	37996
Ion	Ratio	Lower	Upper
41	100		
39	55.7	44.4	66.6
67	71.7	56.0	84.0
52	30.2	24.6	36.8



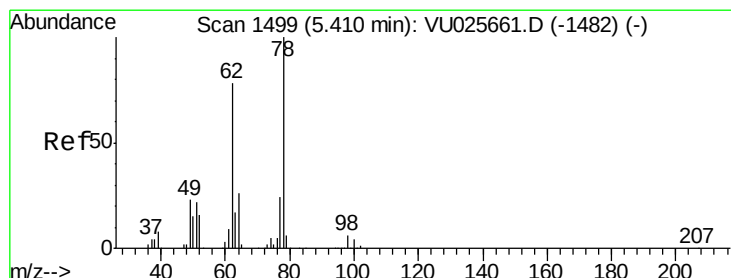
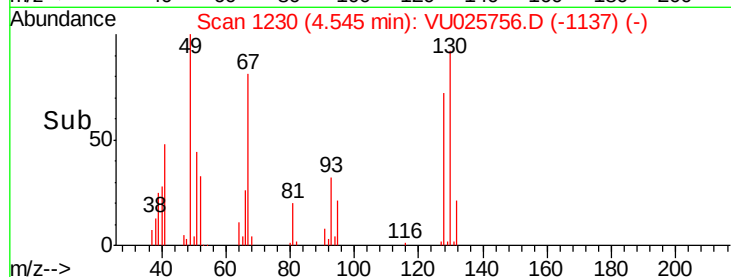
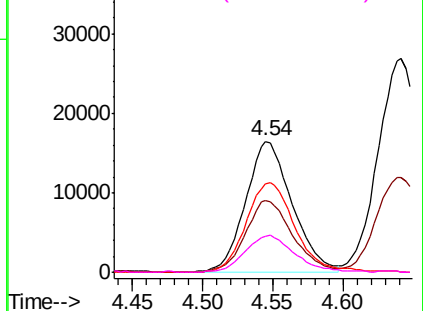
Abundance

Ion 41.00 (40.70 to 41.70): VU0

Ion 39.00 (38.70 to 39.70): VU0

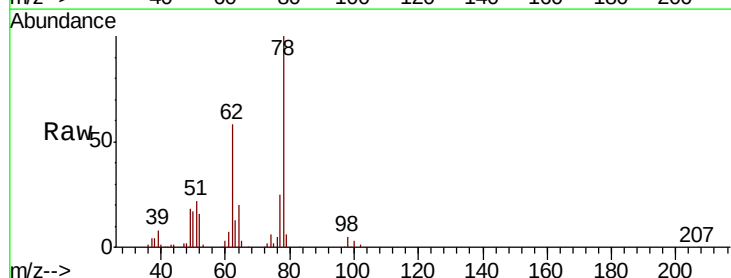
Ion 67.00 (66.70 to 67.70): VU0

Ion 52.00 (51.70 to 52.70): VU0



#42
1,2-Dichloroethane
Concen: 19.98 ug/l
RT: 5.41 min Scan# 1498
Delta R.T. -0.00 min
Lab File: VU025756.D
Acq: 31 Jul 2018 22:01

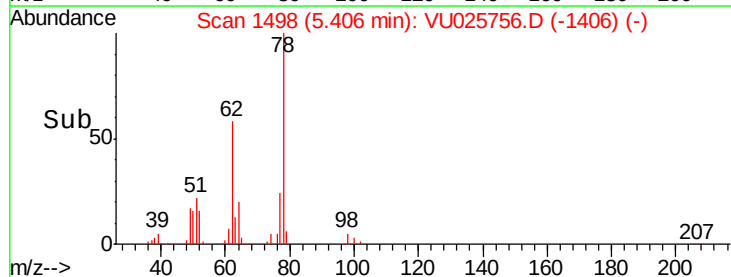
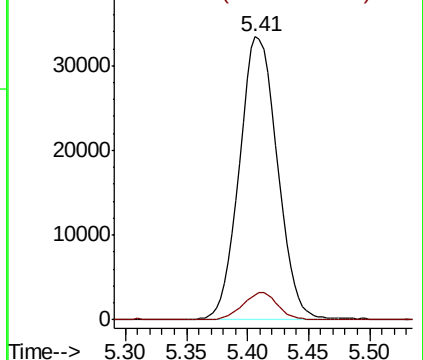
Tgt Ion:	62	Resp:	72082
Ion	Ratio	Lower	Upper
62	100		
98	8.7	0.0	16.4

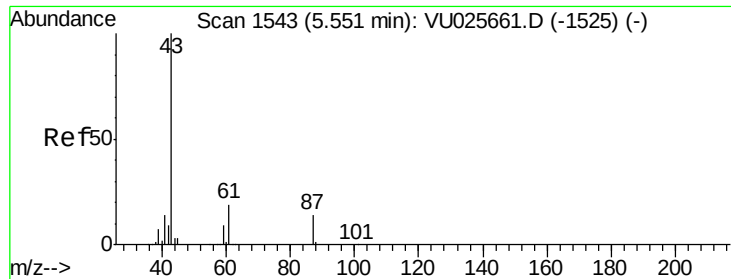


Abundance

Ion 61.90 (61.60 to 62.60): VU0

Ion 97.90 (97.60 to 98.60): VU0





#43

Isopropyl Acetate

Concen: 20.32 ug/l

RT: 5.55 min Scan# 1543

Delta R.T. 0.00 min

Lab File: VU025756.D

Acq: 31 Jul 2018 22:01

Instrument :

MSVOA_U

ClientSampleId :

VU0801MBSD01

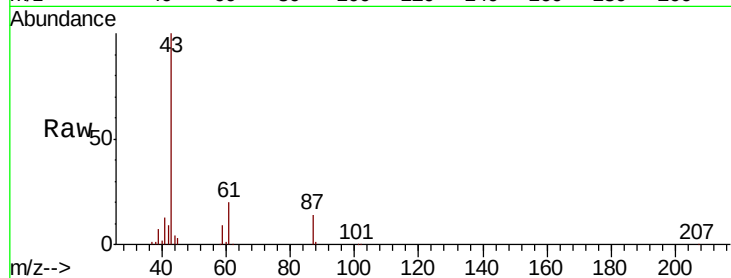
Tot Ion: 43 Resp: 111577

Ion Ratio Lower Upper

43 100

61 19.7 15.5 23.3

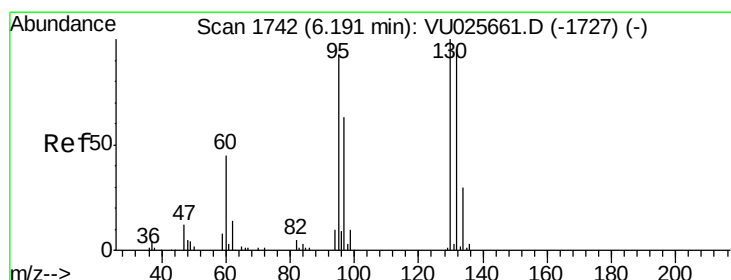
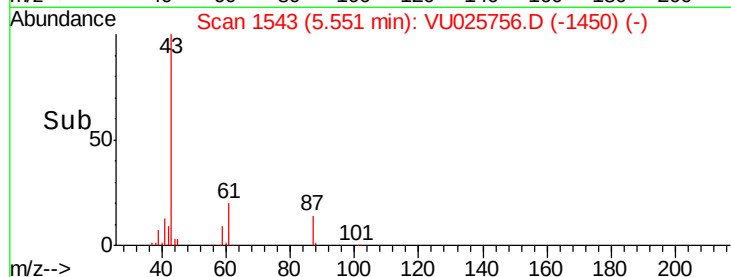
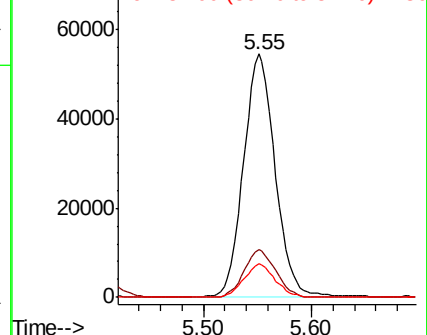
87 13.5 10.6 16.0



Abundance Ion 43.00 (42.70 to 43.70): VU025661.D (-1525) (-)

Ion 61.00 (60.70 to 61.70): VU025661.D (-1525) (-)

Ion 87.00 (86.70 to 87.70): VU025661.D (-1525) (-)



#44

Trichloroethene

Concen: 20.16 ug/l

RT: 6.19 min Scan# 1742

Delta R.T. 0.00 min

Lab File: VU025756.D

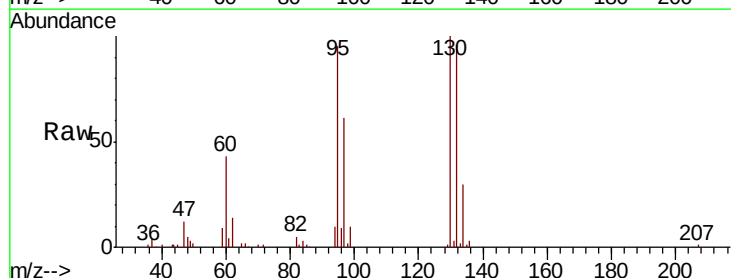
Acq: 31 Jul 2018 22:01

Tgt Ion: 130 Resp: 52606

Ion Ratio Lower Upper

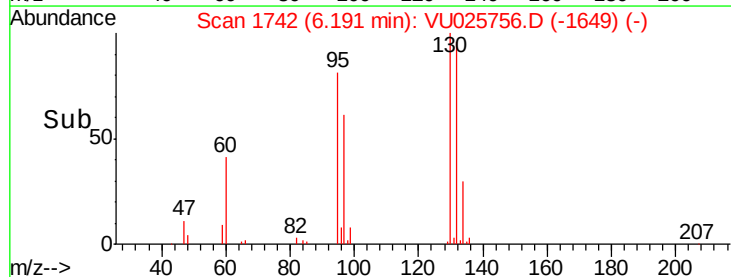
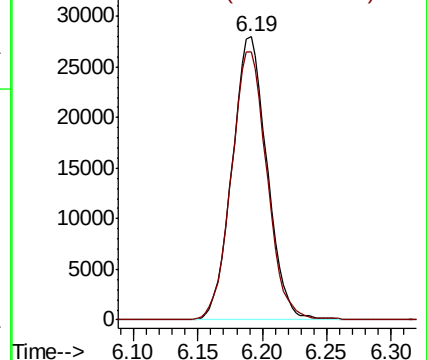
130 100

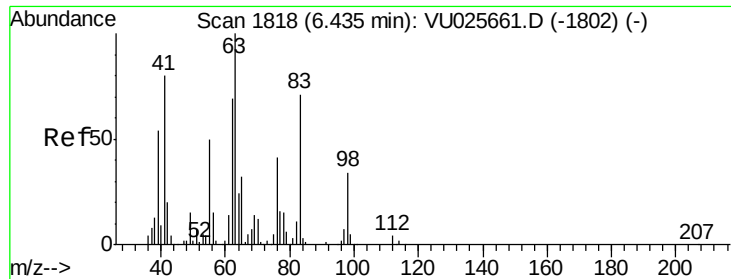
95 94.9 0.0 192.2



Abundance Ion 129.80 (129.50 to 130.50): VU025661.D (-1727) (-)

Ion 94.90 (94.60 to 95.60): VU025661.D (-1727) (-)

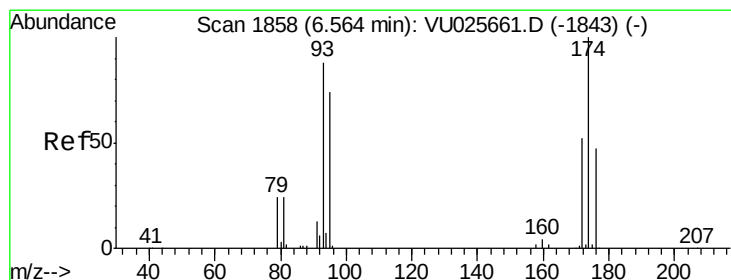
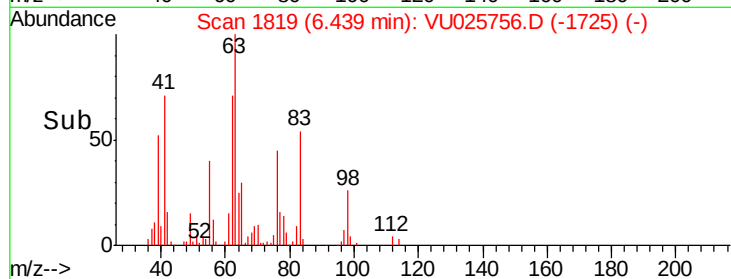
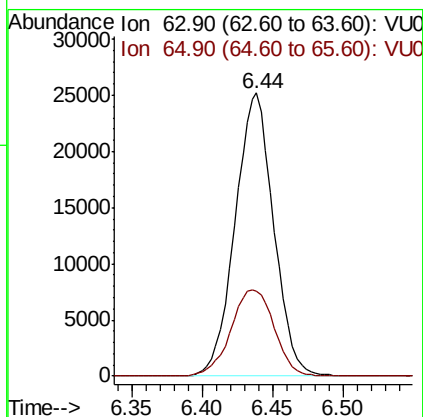
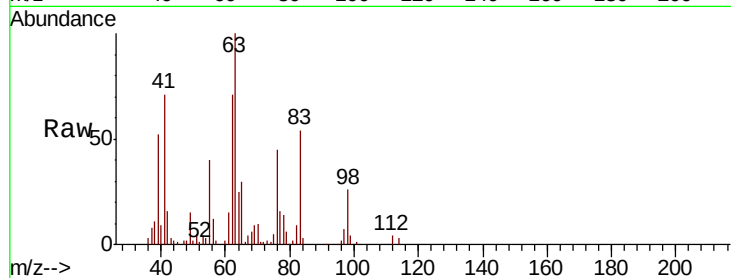




#45
 1,2-Dichloropropane
 Concen: 19.71 ug/l
 RT: 6.44 min Scan# 1819
 Delta R.T. 0.00 min
 Lab File: VU025756.D
 Acq: 31 Jul 2018 22:01

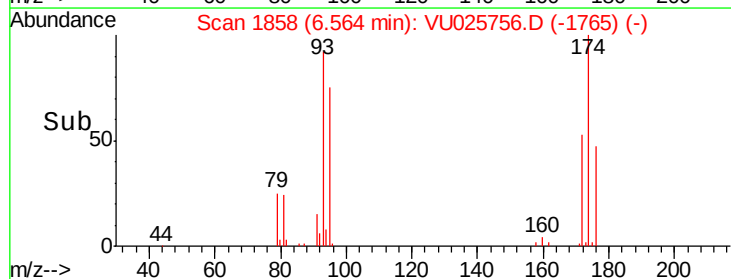
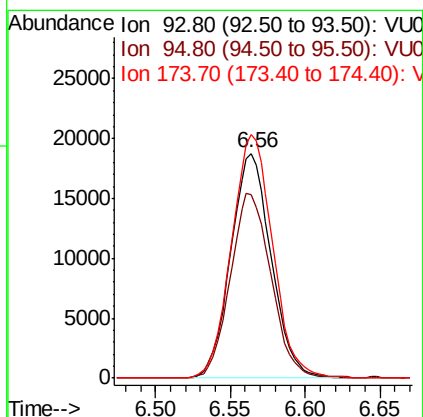
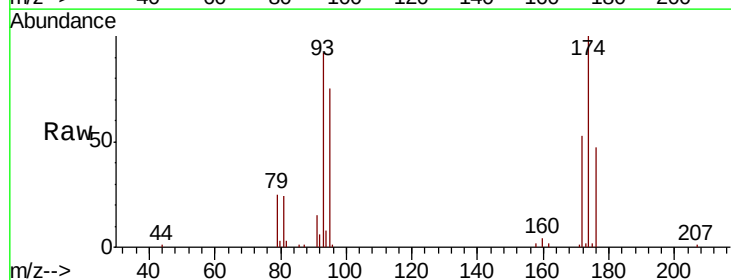
Instrument :
 MSVOA_U
 ClientSampleId :
 VU0801MBSD01

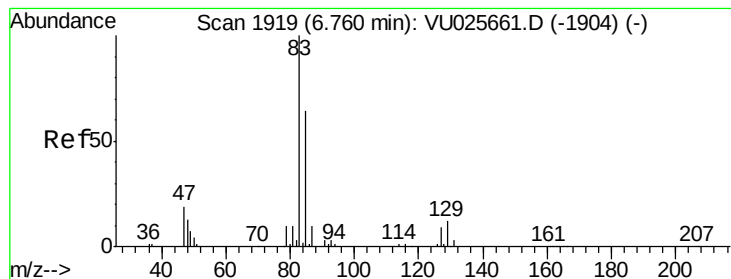
Tot Ion: 63 Resp: 48164
 Ion Ratio Lower Upper
 63 100
 65 30.1 26.1 39.1



#46
 Dibromomethane
 Concen: 19.92 ug/l
 RT: 6.56 min Scan# 1858
 Delta R.T. 0.00 min
 Lab File: VU025756.D
 Acq: 31 Jul 2018 22:01

Tgt Ion: 93 Resp: 35262
 Ion Ratio Lower Upper
 93 100
 95 82.5 66.6 100.0
 174 110.5 85.8 128.8





#47

Bromodichloromethane

Concen: 20.15 ug/l

RT: 6.76 min Scan# 1919

Delta R.T. 0.00 min

Lab File: VU025756.D

Acq: 31 Jul 2018 22:01

Instrument :

MSVOA_U

ClientSampleId :

VU0801MBSD01

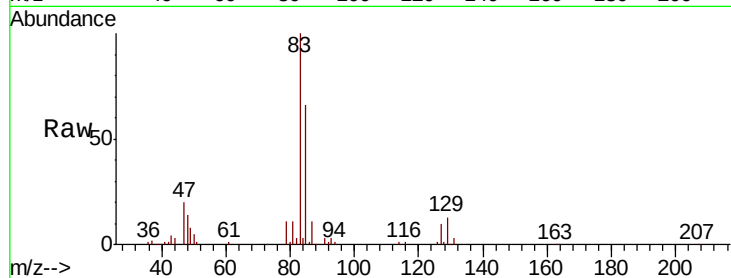
Tot Ion: 83 Resp: 68042

Ion Ratio Lower Upper

83 100

85 65.6 50.2 75.4

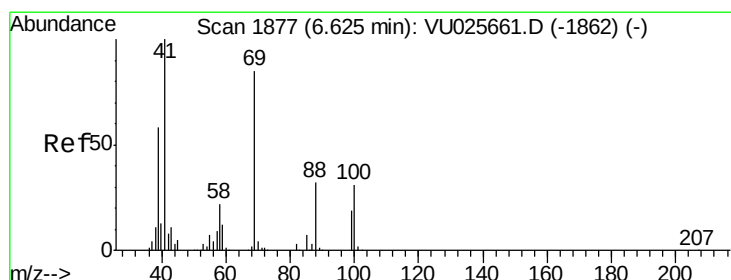
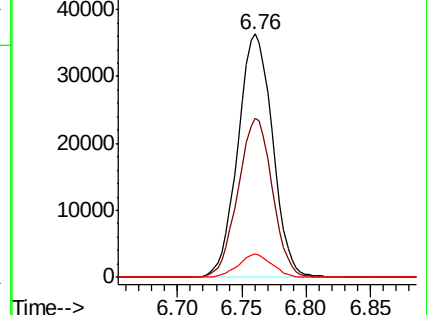
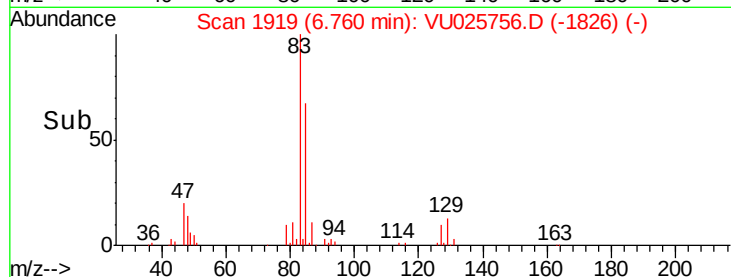
127 9.5 7.2 10.8



Abundance Ion 82.90 (82.60 to 83.60): VU025756.D (-1826) (-)

Ion 84.90 (84.60 to 85.60): VU025756.D (-1826) (-)

Ion 126.80 (126.50 to 127.50): VU025756.D (-1826) (-)



#48

Methyl methacrylate

Concen: 21.23 ug/l

RT: 6.63 min Scan# 1877

Delta R.T. 0.00 min

Lab File: VU025756.D

Acq: 31 Jul 2018 22:01

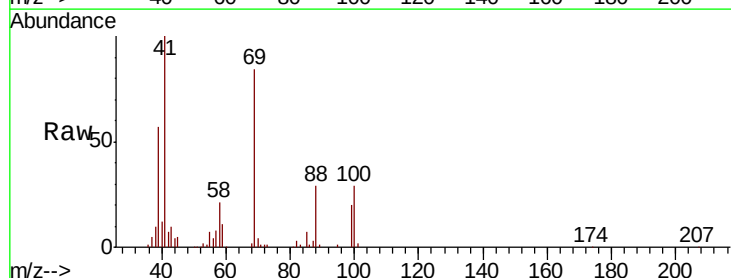
Tgt Ion: 41 Resp: 57158

Ion Ratio Lower Upper

41 100

69 81.1 65.0 97.4

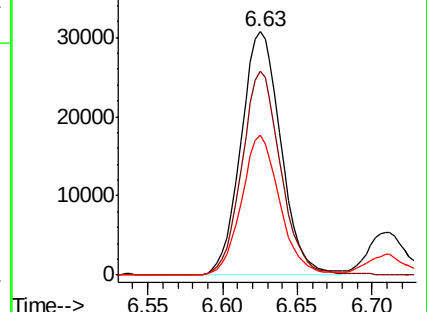
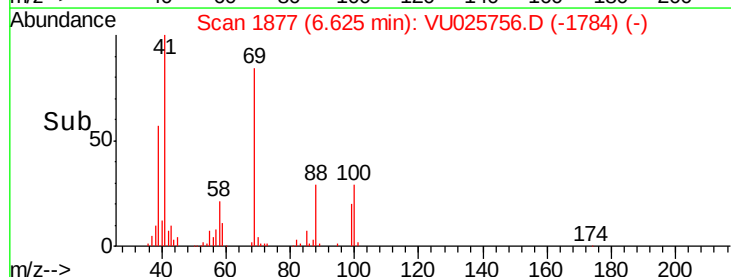
39 55.0 46.4 69.6

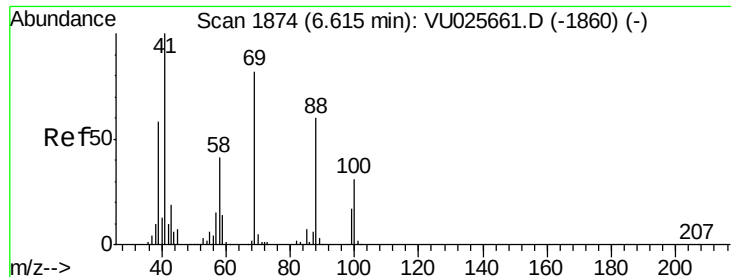


Abundance Ion 41.00 (40.70 to 41.70): VU025756.D (-1784) (-)

Ion 69.00 (68.70 to 69.70): VU025756.D (-1784) (-)

Ion 39.00 (38.70 to 39.70): VU025756.D (-1784) (-)

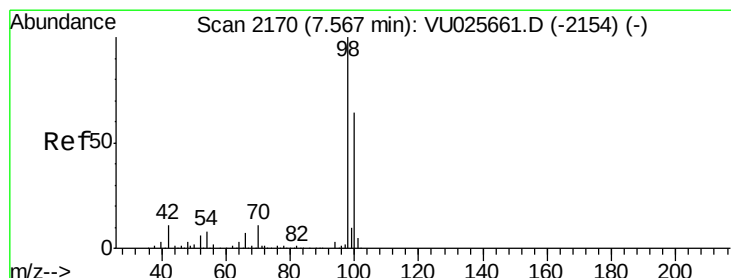
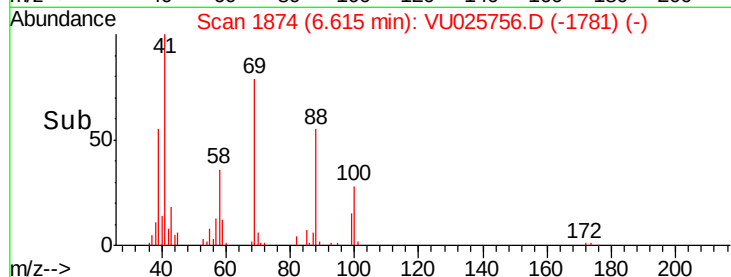
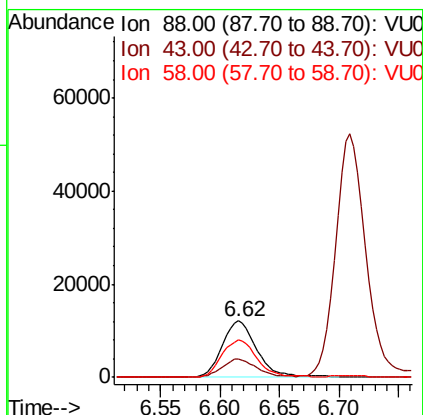
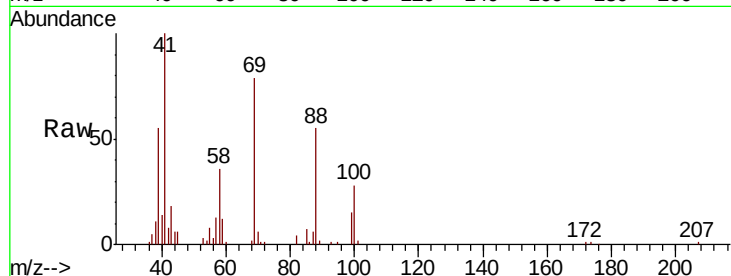




#49
1,4-Dioxane
Concen: 372.49 ug/l
RT: 6.62 min Scan# 1874
Delta R.T. 0.00 min
Lab File: VU025756.D
Acq: 31 Jul 2018 22:01

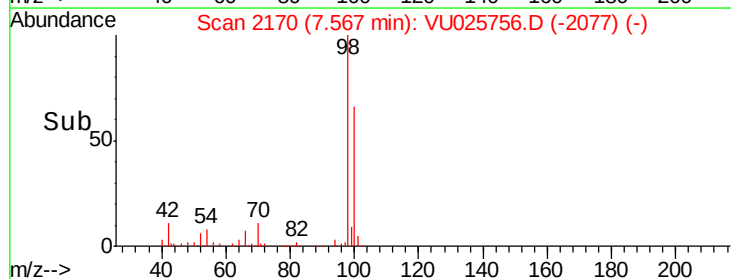
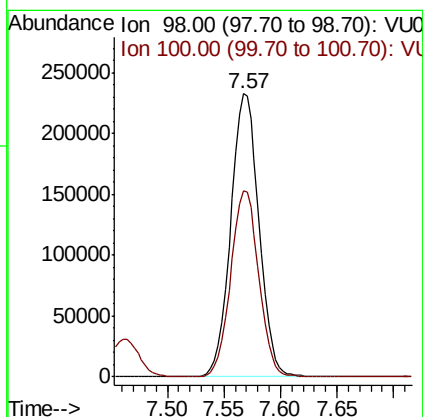
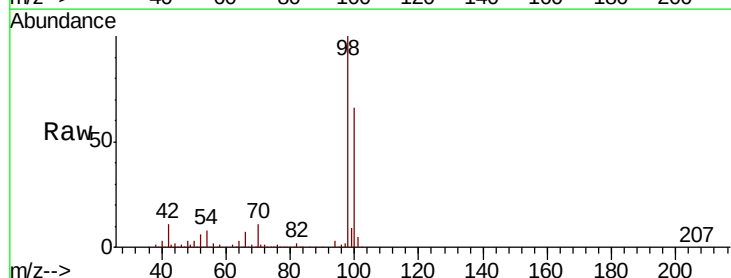
Instrument :
MSVOA_U
ClientSampleId :
VU0801MBSD01

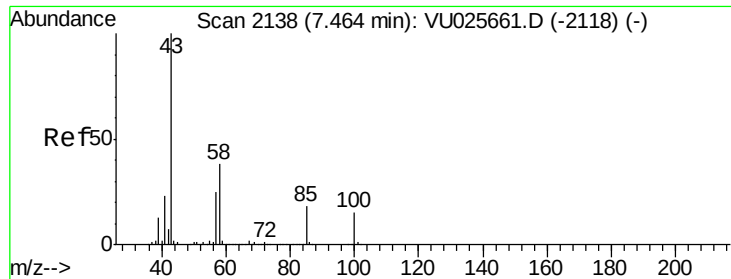
Tot Ion: 88 Resp: 24400
Ion Ratio Lower Upper
88 100
43 32.9 27.3 40.9
58 67.8 57.6 86.4



#50
Toluene-d8
Concen: 48.44 ug/l
RT: 7.57 min Scan# 2170
Delta R.T. 0.00 min
Lab File: VU025756.D
Acq: 31 Jul 2018 22:01

Tgt Ion: 98 Resp: 404373
Ion Ratio Lower Upper
98 100
100 65.1 51.1 76.7





#51

4-Methyl-2-Pentanone

Concen: 100.16 ug/l

RT: 7.46 min Scan# 2137

Delta R.T. -0.00 min

Lab File: VU025756.D

Acq: 31 Jul 2018 22:01

Instrument :

MSVOA_U

ClientSampleId :

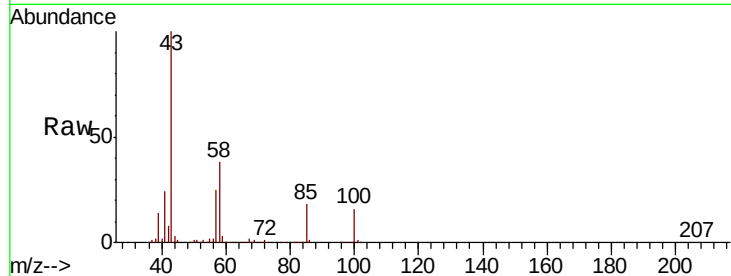
VU0801MBSD01

Tot Ion: 43 Resp: 344396

Ion Ratio Lower Upper

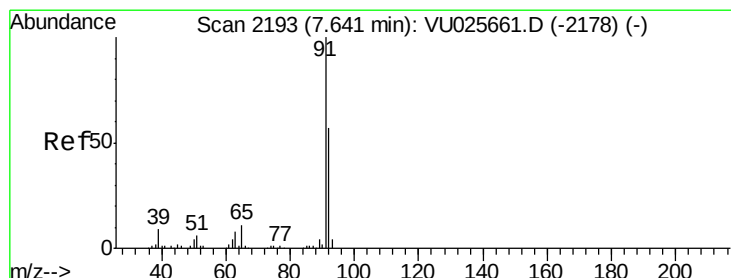
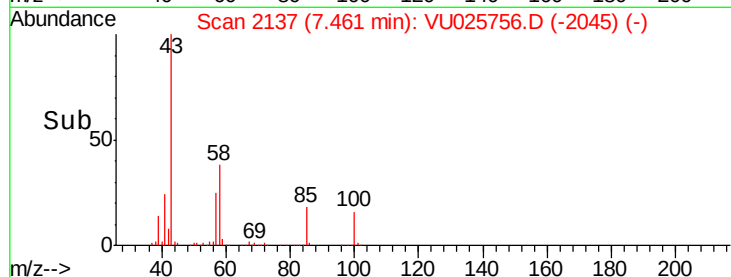
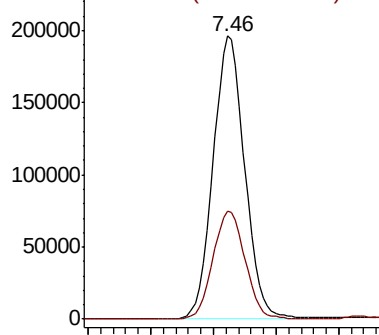
43 100

58 39.0 31.0 46.4



Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 58.00 (57.70 to 58.70): VU0



#52

Toluene

Concen: 20.32 ug/l

RT: 7.64 min Scan# 2193

Delta R.T. 0.00 min

Lab File: VU025756.D

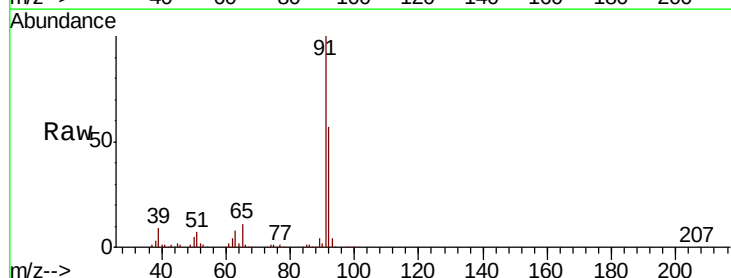
Acq: 31 Jul 2018 22:01

Tgt Ion: 92 Resp: 118297

Ion Ratio Lower Upper

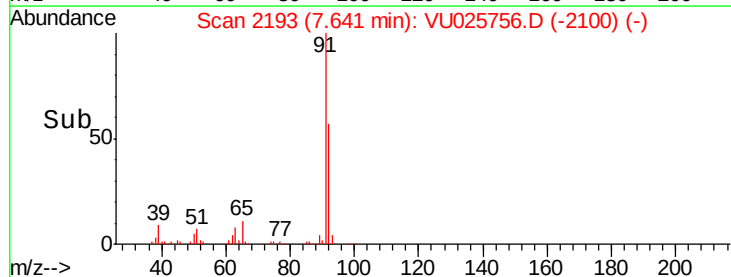
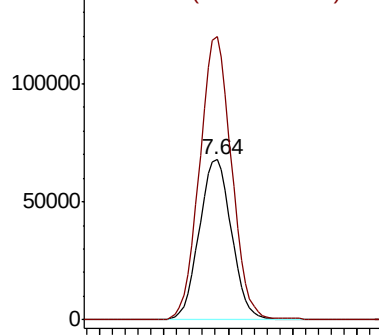
92 100

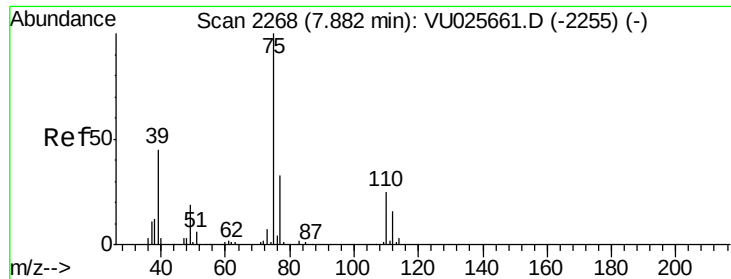
91 174.7 139.2 208.8



Abundance Ion 92.00 (91.70 to 92.70): VU0

Ion 91.00 (90.70 to 91.70): VU0





#53

t-1,3-Dichloropropene

Concen: 19.98 ug/l

RT: 7.88 min Scan# 2268

Delta R.T. 0.00 min

Lab File: VU025756.D

Acq: 31 Jul 2018 22:01

Instrument :

MSVOA_U

ClientSampleId :

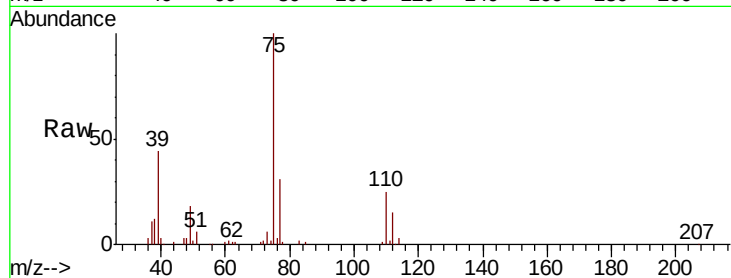
VU0801MBSD01

Tot Ion: 75 Resp: 75761

Ion Ratio Lower Upper

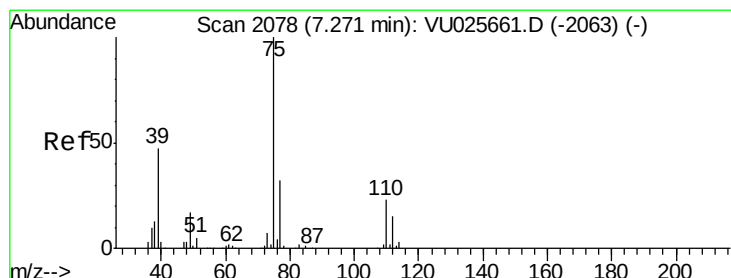
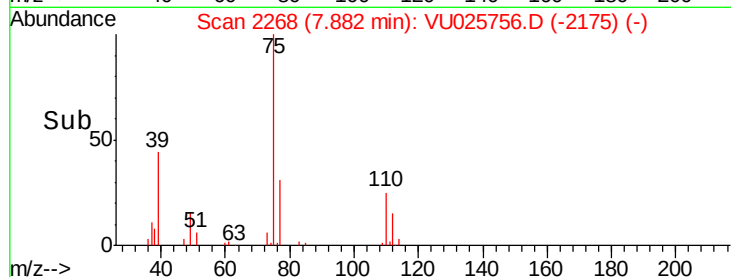
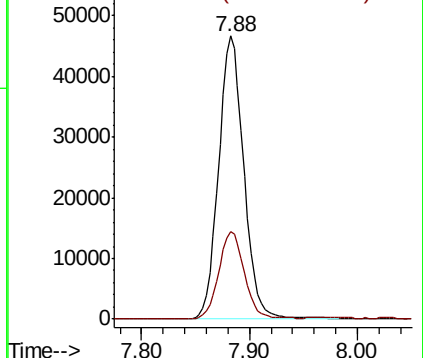
75 100

77 30.7 24.5 36.7



Abundance Ion 74.90 (74.60 to 75.60): VU0

Ion 76.90 (76.60 to 77.60): VU0



#54

cis-1,3-Dichloropropene

Concen: 20.09 ug/l

RT: 7.27 min Scan# 2078

Delta R.T. 0.00 min

Lab File: VU025756.D

Acq: 31 Jul 2018 22:01

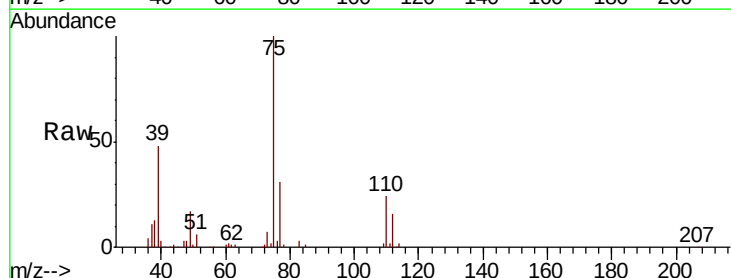
Tgt Ion: 75 Resp: 78265

Ion Ratio Lower Upper

75 100

77 31.2 25.6 38.4

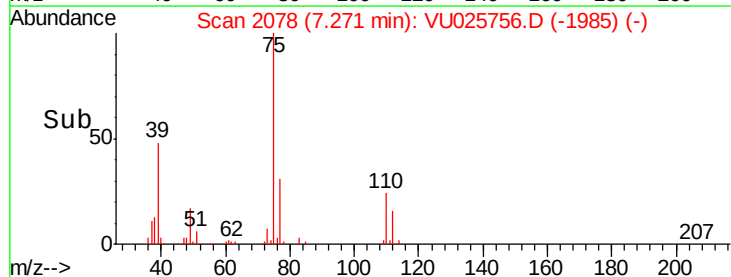
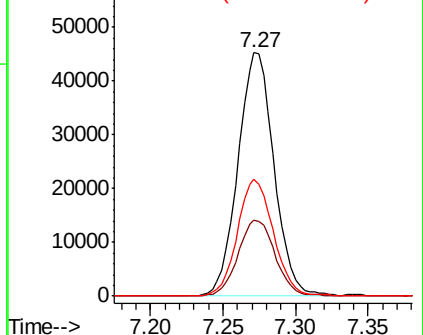
39 47.9 40.0 60.0

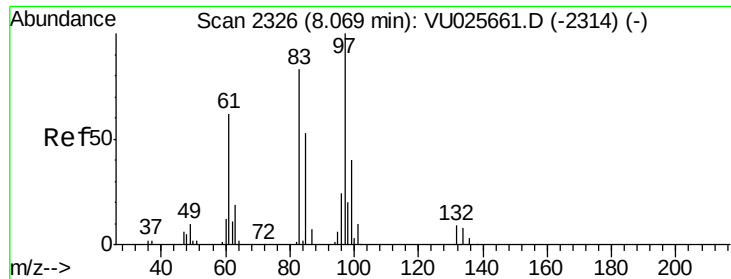


Abundance Ion 74.90 (74.60 to 75.60): VU0

Ion 76.90 (76.60 to 77.60): VU0

Ion 39.00 (38.70 to 39.70): VU0

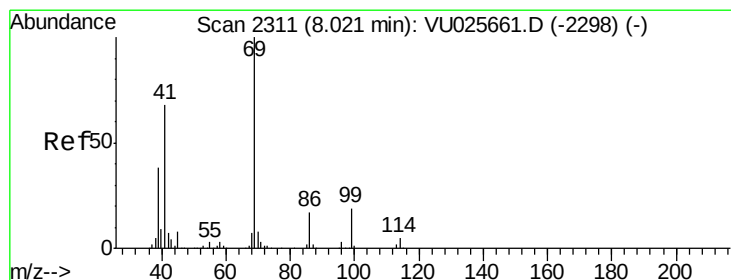
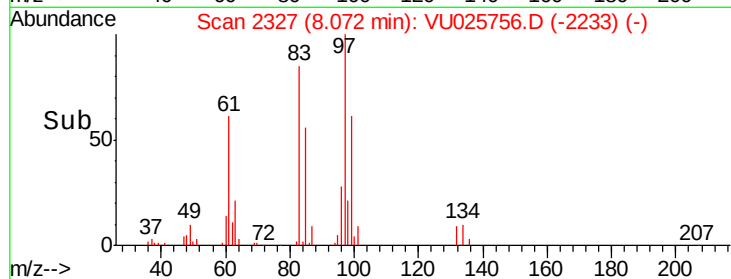
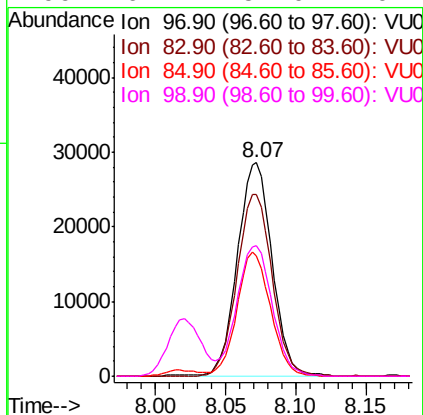
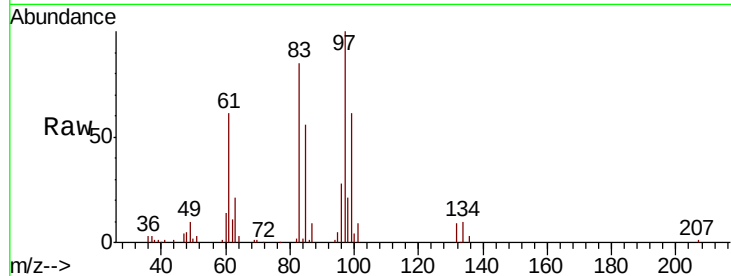




#55
 1,1,2-Trichloroethane
 Concen: 20.39 ug/l
 RT: 8.07 min Scan# 2327
 Delta R.T. 0.00 min
 Lab File: VU025756.D
 Acq: 31 Jul 2018 22:01

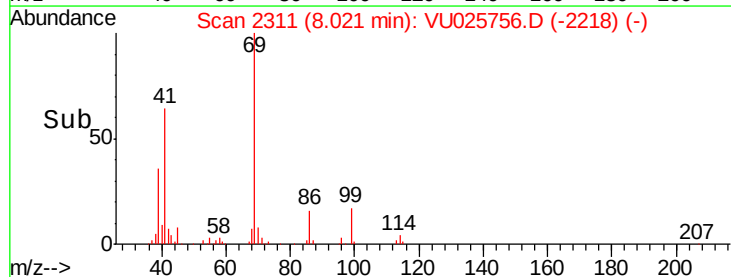
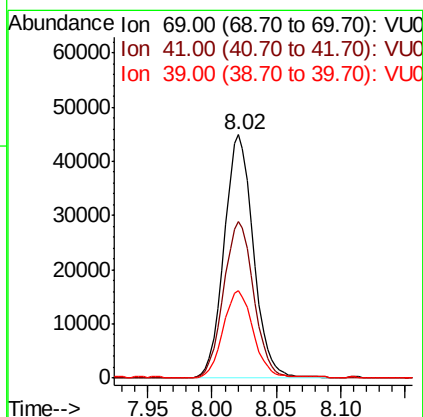
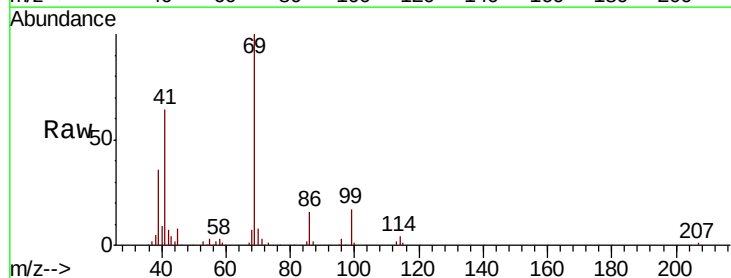
Instrument :
 MSVOA_U
 ClientSampleId :
 VU0801MBSD01

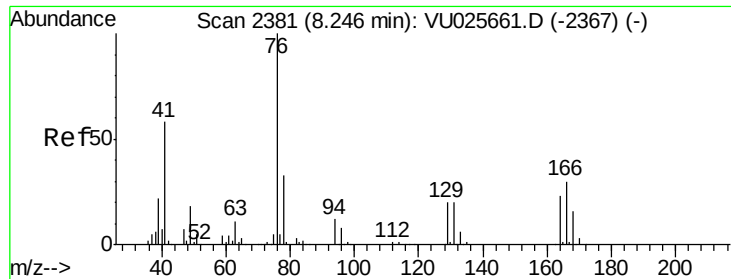
Tot Ion:	97	Resp:	49324
Ion	Ratio	Lower	Upper
97	100		
83	85.3	68.9	103.3
85	56.3	44.4	66.6
99	61.1	51.0	76.4



#56
 Ethyl methacrylate
 Concen: 20.47 ug/l
 RT: 8.02 min Scan# 2311
 Delta R.T. 0.00 min
 Lab File: VU025756.D
 Acq: 31 Jul 2018 22:01

Tgt Ion:	69	Resp:	70733
Ion	Ratio	Lower	Upper
69	100		
41	66.4	54.8	82.2
39	36.3	31.1	46.7





#57

1,3-Dichloropropane

Concen: 20.38 ug/l

RT: 8.25 min Scan# 2381

Delta R.T. 0.00 min

Lab File: VU025756.D

Acq: 31 Jul 2018 22:01

Instrument :

MSVOA_U

ClientSampleId :

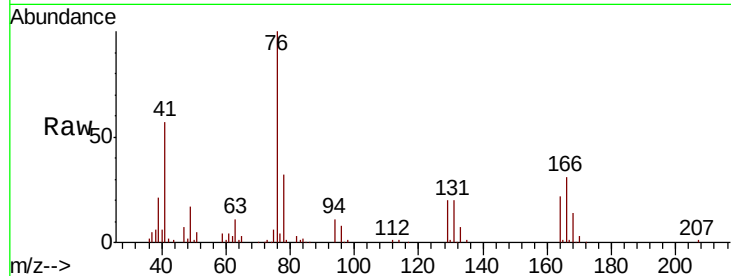
VU0801MBSD01

Tot Ion: 76 Resp: 82918

Ion Ratio Lower Upper

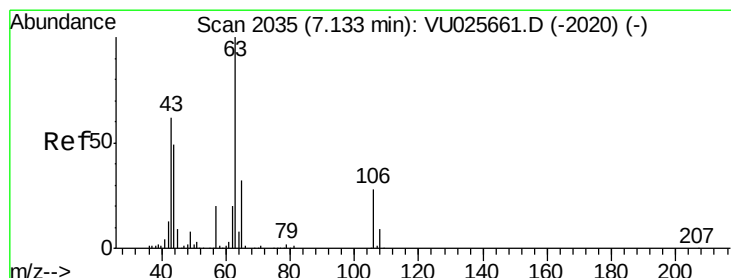
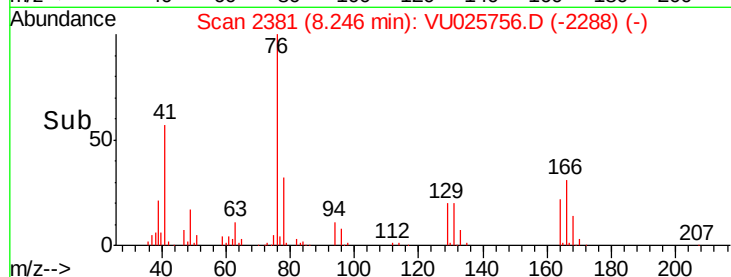
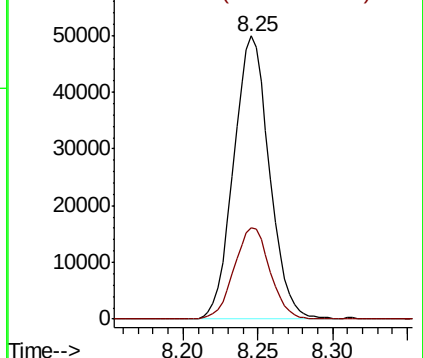
76 100

78 32.4 26.1 39.1



Abundance Ion 75.90 (75.60 to 76.60): VU0

Ion 77.90 (77.60 to 78.60): VU0



#58

2-Chloroethyl Vinyl ether

Concen: 92.31 ug/l

RT: 7.13 min Scan# 2034

Delta R.T. -0.00 min

Lab File: VU025756.D

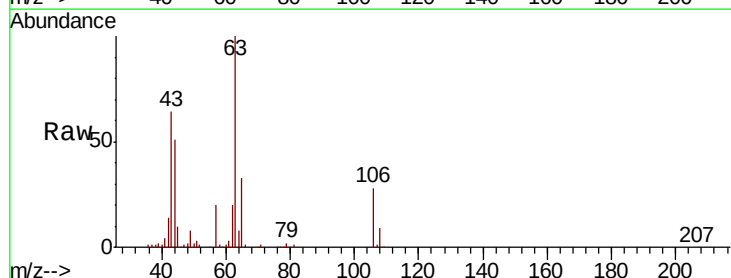
Acq: 31 Jul 2018 22:01

Tgt Ion: 63 Resp: 137287

Ion Ratio Lower Upper

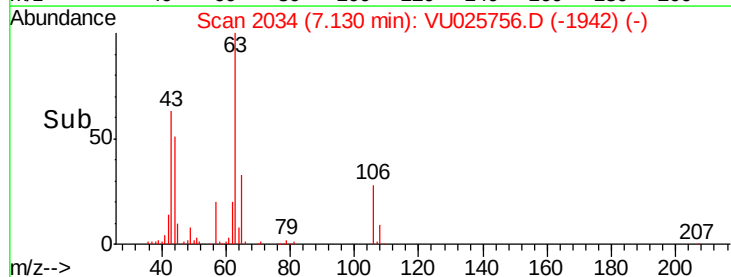
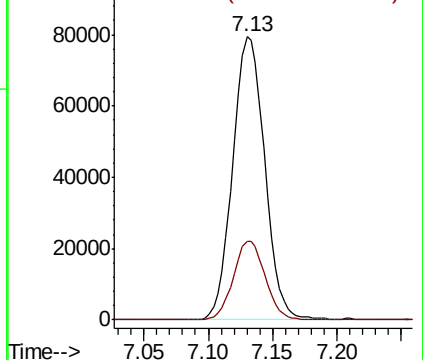
63 100

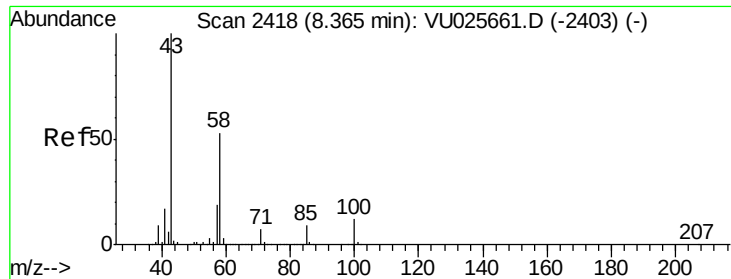
106 27.6 22.3 33.5



Abundance Ion 62.90 (62.60 to 63.60): VU0

Ion 105.90 (105.60 to 106.60): V

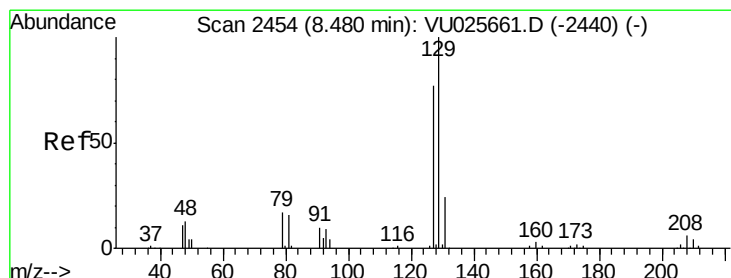
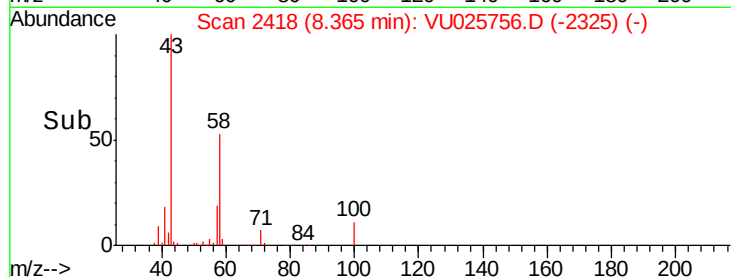
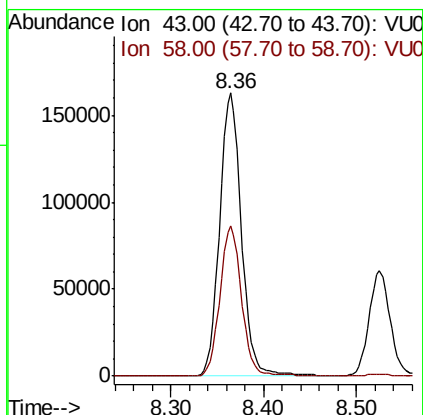
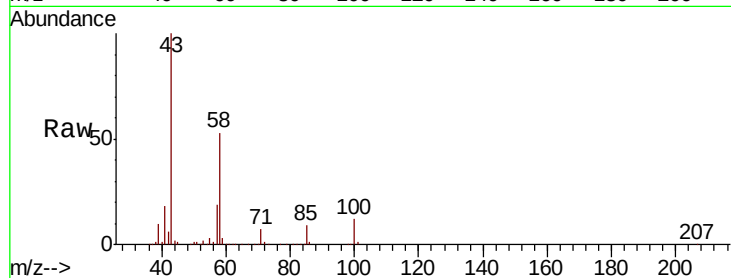




#59
2-Hexanone
Concen: 98.65 ug/l
RT: 8.36 min Scan# 2418
Delta R.T. 0.00 min
Lab File: VU025756.D
Acq: 31 Jul 2018 22:01

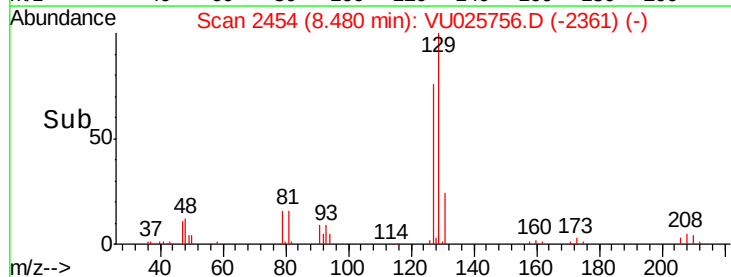
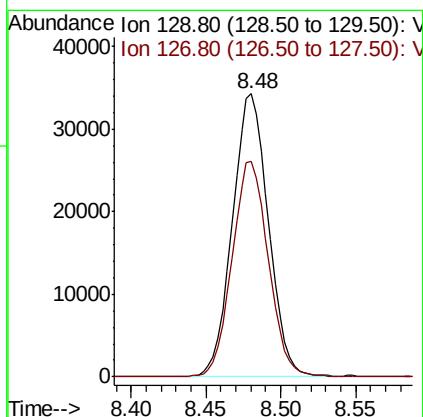
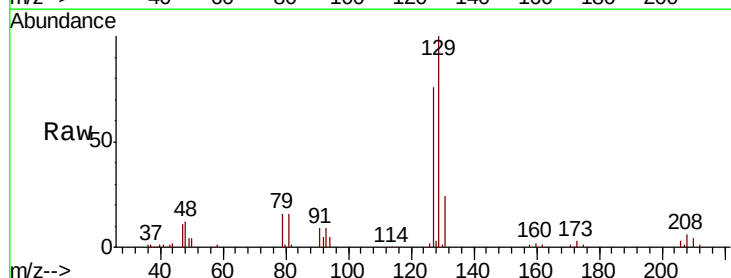
Instrument :
MSVOA_U
ClientSampleId :
VU0801MBSD01

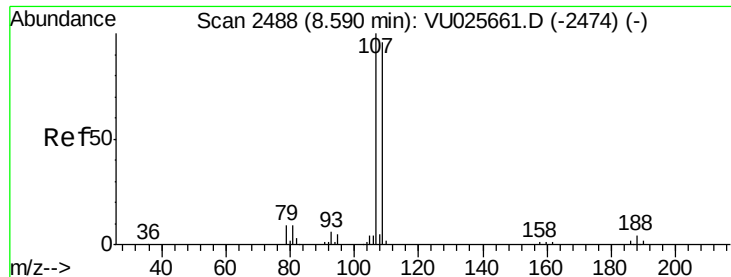
Tot Ion: 43 Resp: 265889
Ion Ratio Lower Upper
43 100
58 52.7 26.2 78.5



#60
Dibromochloromethane
Concen: 20.15 ug/l
RT: 8.48 min Scan# 2454
Delta R.T. 0.00 min
Lab File: VU025756.D
Acq: 31 Jul 2018 22:01

Tgt Ion: 129 Resp: 57483
Ion Ratio Lower Upper
129 100
127 76.7 38.6 115.8





#61

1,2-Dibromoethane

Concen: 20.63 ug/l

RT: 8.59 min Scan# 2488

Delta R.T. 0.00 min

Lab File: VU025756.D

Acq: 31 Jul 2018 22:01

Instrument :

MSVOA_U

ClientSampleId :

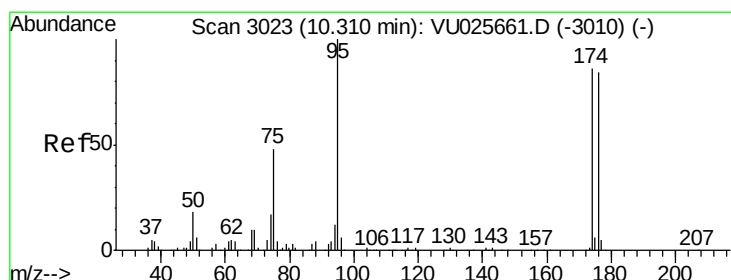
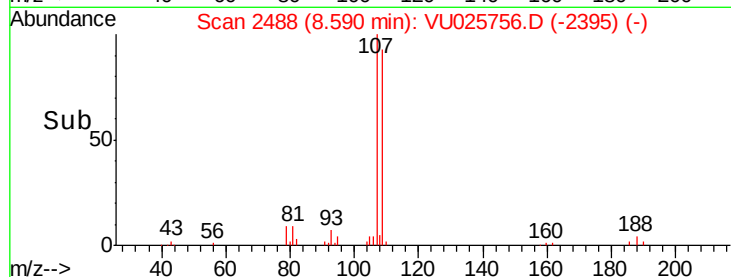
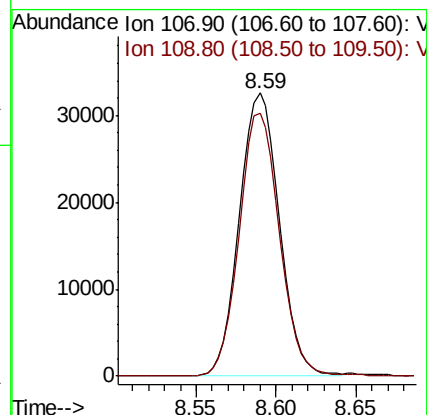
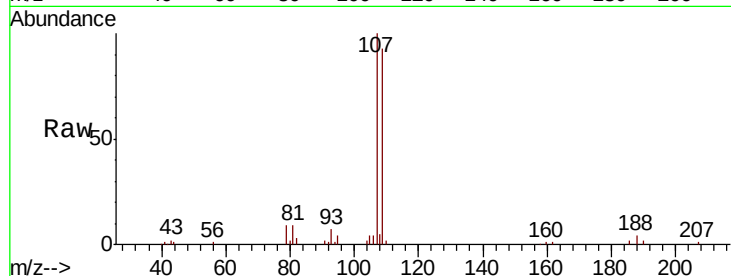
VU0801MBSD01

Tot Ion:107 Resp: 55509

Ion Ratio Lower Upper

107 100

109 93.3 75.8 113.8



#62

4-Bromofluorobenzene

Concen: 48.32 ug/l

RT: 10.31 min Scan# 3023

Delta R.T. 0.00 min

Lab File: VU025756.D

Acq: 31 Jul 2018 22:01

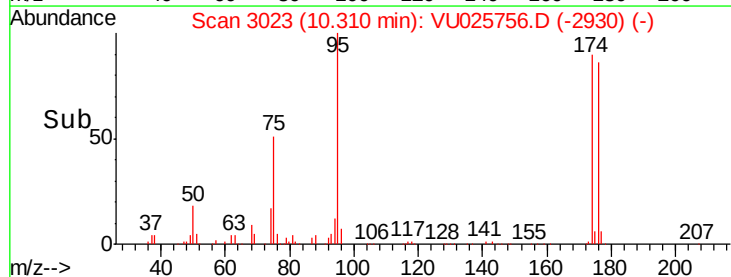
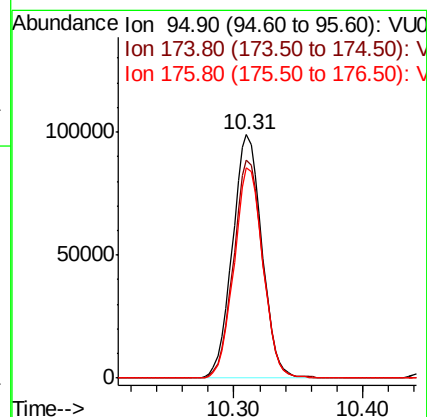
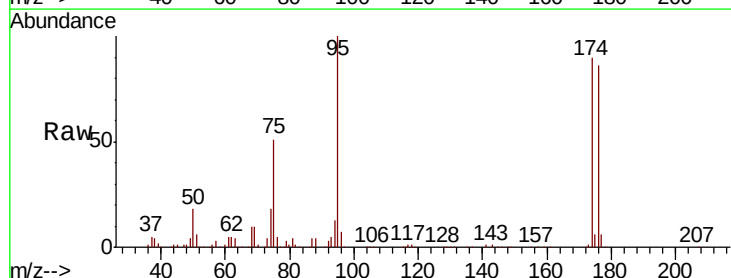
Tgt Ion: 95 Resp: 156560

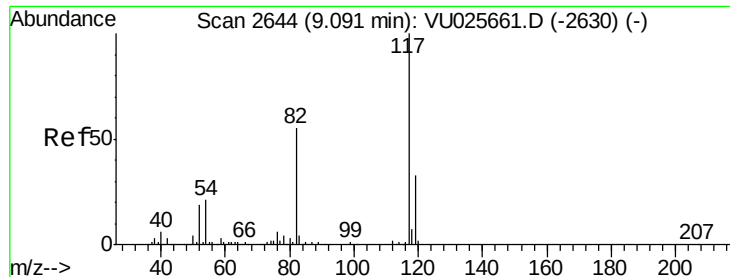
Ion Ratio Lower Upper

95 100

174 88.7 0.0 172.2

176 84.9 0.0 162.6

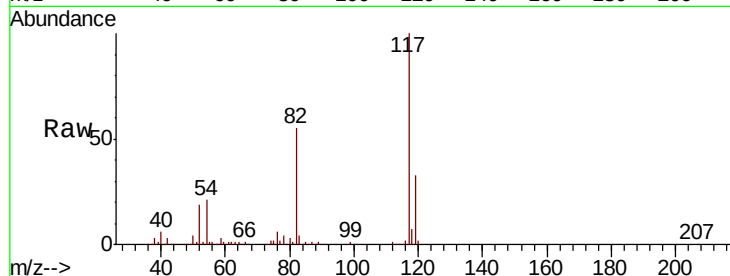




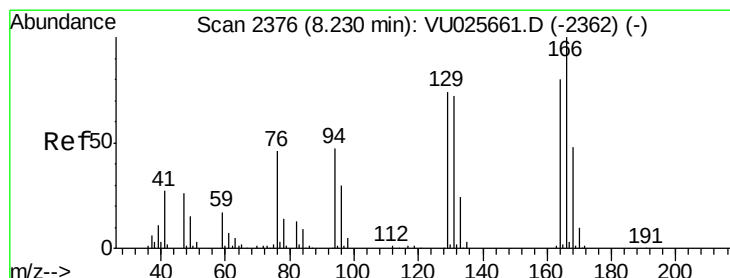
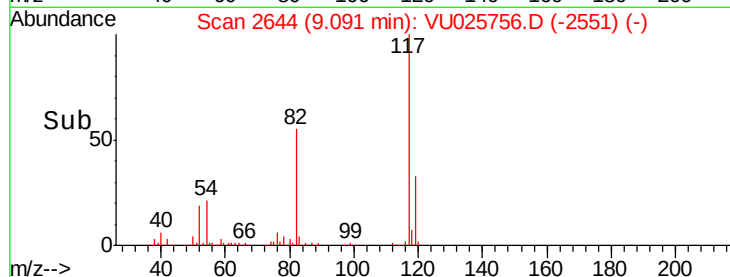
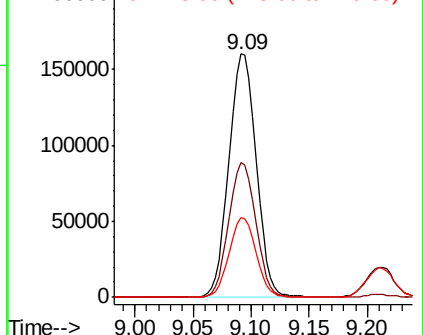
#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 9.09 min Scan# 2644
Delta R.T. 0.00 min
Lab File: VU025756.D
Acq: 31 Jul 2018 22:01

Instrument :
MSVOA_U
ClientSampleId :
VU0801MBSD01

Tot Ion:117 Resp: 261091
Ion Ratio Lower Upper
117 100
82 55.1 46.0 69.0
119 32.6 26.0 39.0

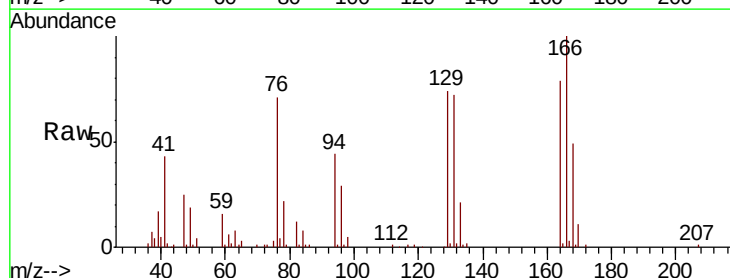


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VU0
Ion 118.90 (118.60 to 119.60): V

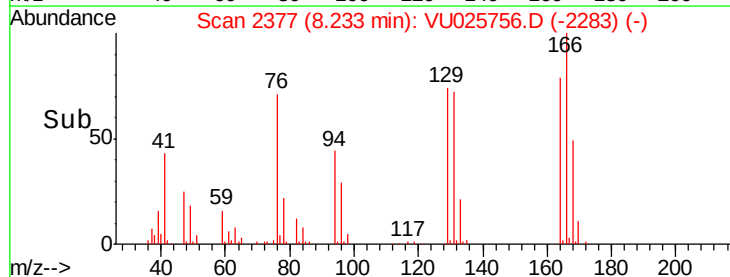
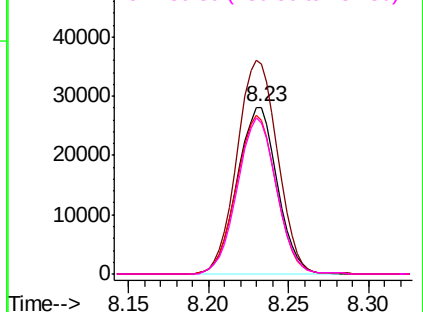


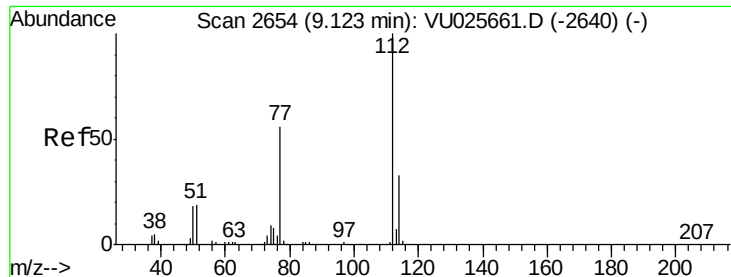
#64
Tetrachloroethene
Concen: 20.94 ug/l
RT: 8.23 min Scan# 2377
Delta R.T. 0.00 min
Lab File: VU025756.D
Acq: 31 Jul 2018 22:01

Tgt Ion:164 Resp: 48119
Ion Ratio Lower Upper
164 100
166 125.9 101.1 151.7
129 92.6 73.0 109.6
131 91.1 72.1 108.1



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





#65

Chlorobenzene

Concen: 20.33 ug/l

RT: 9.12 min Scan# 2653

Delta R.T. -0.00 min

Lab File: VU025756.D

Acq: 31 Jul 2018 22:01

Instrument :

MSVOA_U

ClientSampleId :

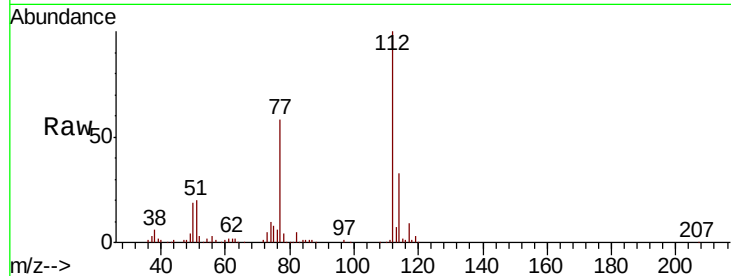
VU0801MBSD01

Tot Ion:112 Resp: 136883

Ion Ratio Lower Upper

112 100

114 32.5 25.8 38.8



Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V

9.12

80000

60000

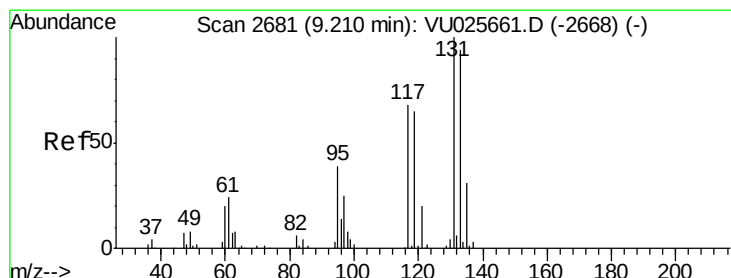
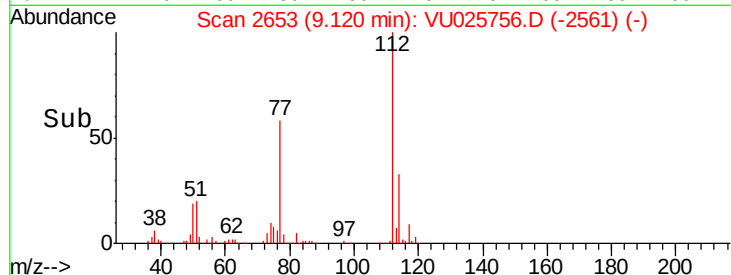
40000

20000

0

9.05 9.10 9.15 9.20

Time-->



#66

1,1,1,2-Tetrachloroethane

Concen: 21.17 ug/l

RT: 9.21 min Scan# 2681

Delta R.T. 0.00 min

Lab File: VU025756.D

Acq: 31 Jul 2018 22:01

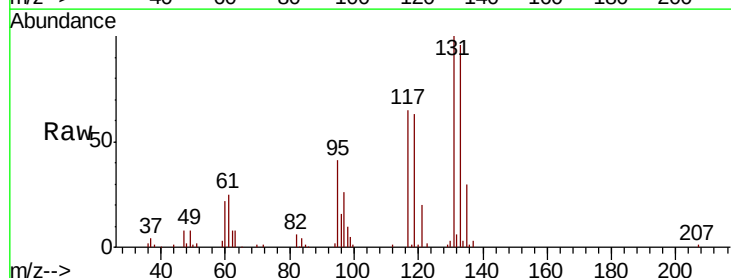
Tgt Ion:131 Resp: 51542

Ion Ratio Lower Upper

131 100

133 95.1 47.8 143.3

119 63.4 31.6 95.0



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

9.21

40000

30000

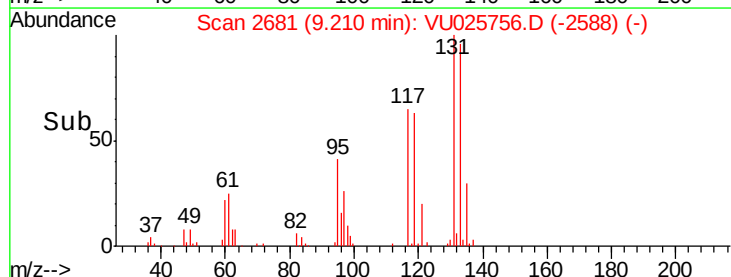
20000

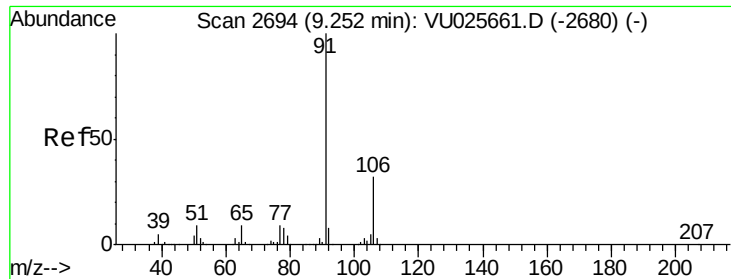
10000

0

9.15 9.20 9.25 9.30

Time-->

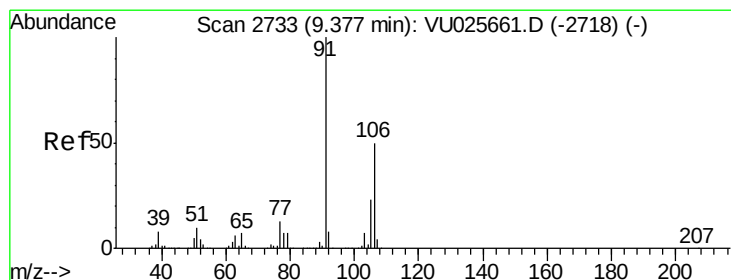
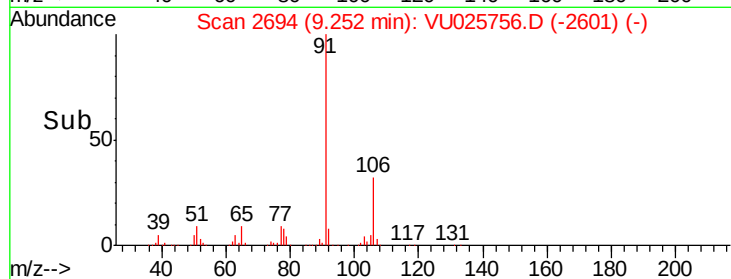
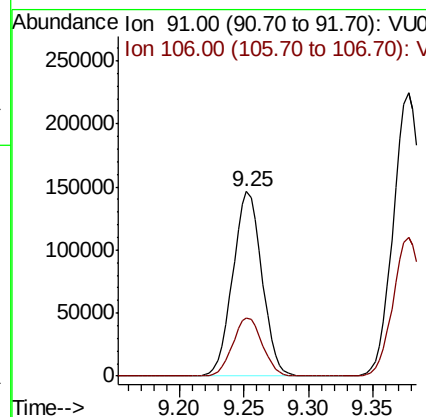
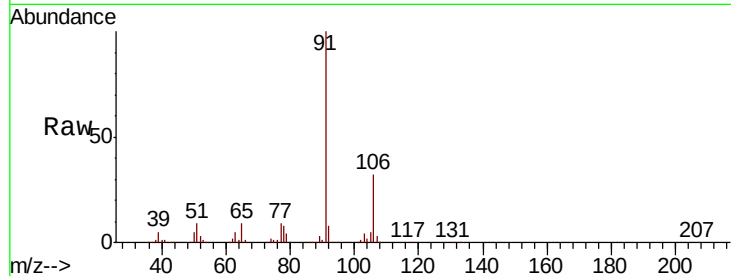




#67
Ethyl Benzene
Concen: 20.64 ug/l
RT: 9.25 min Scan# 2694
Delta R.T. 0.00 min
Lab File: VU025756.D
Acq: 31 Jul 2018 22:01

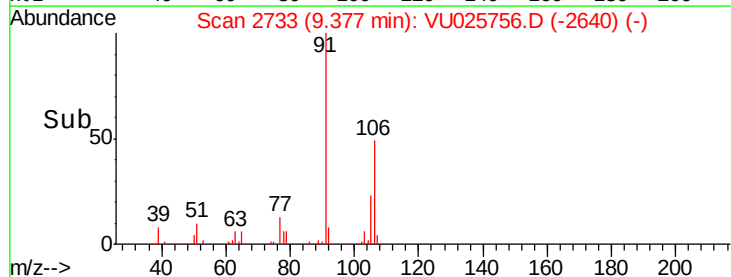
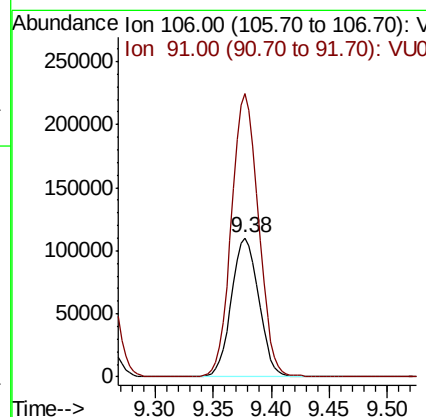
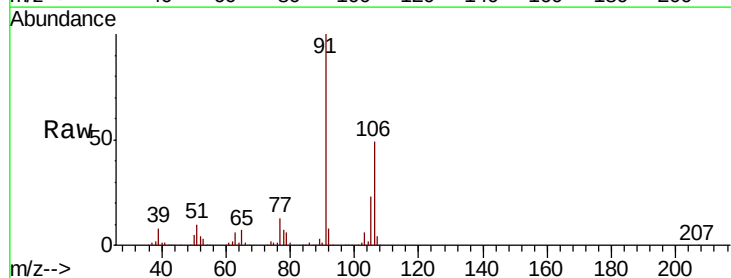
Instrument :
MSVOA_U
ClientSampleId :
VU0801MBSD01

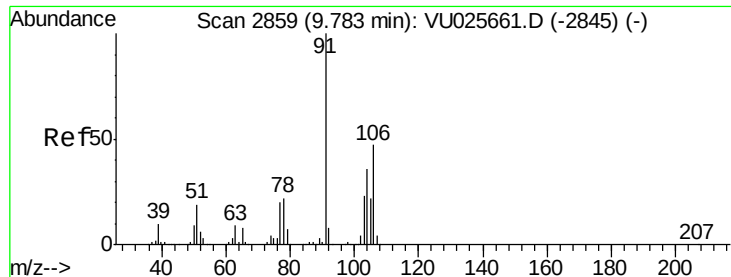
Tot Ion: 91 Resp: 230153
Ion Ratio Lower Upper
91 100
106 31.7 25.3 37.9



#68
m/p-Xylenes
Concen: 42.23 ug/l
RT: 9.38 min Scan# 2733
Delta R.T. 0.00 min
Lab File: VU025756.D
Acq: 31 Jul 2018 22:01

Tgt Ion: 106 Resp: 180793
Ion Ratio Lower Upper
106 100
91 200.2 162.3 243.5

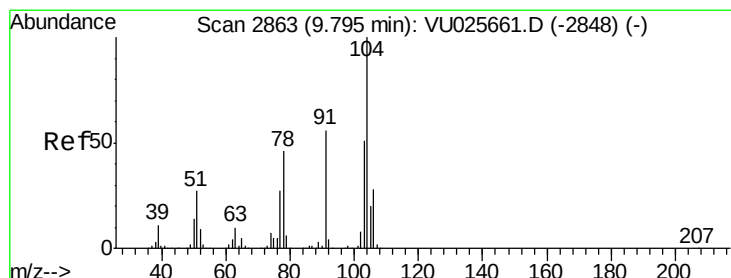
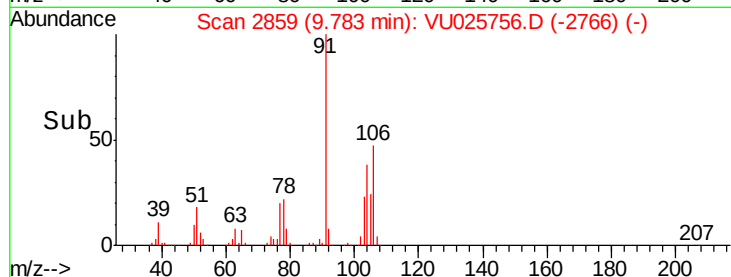
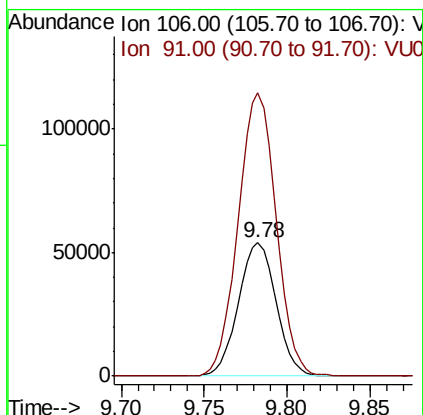
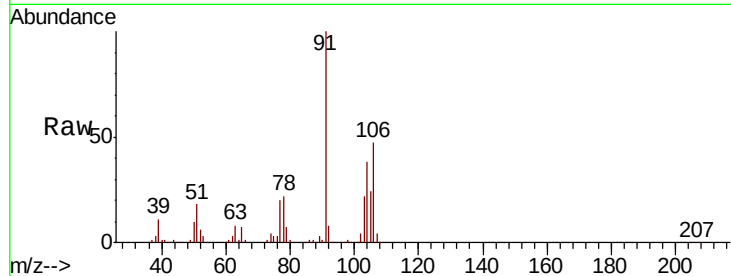




#69
o-Xylene
Concen: 20.47 ug/l
RT: 9.78 min Scan# 2859
Delta R.T. 0.00 min
Lab File: VU025756.D
Acq: 31 Jul 2018 22:01

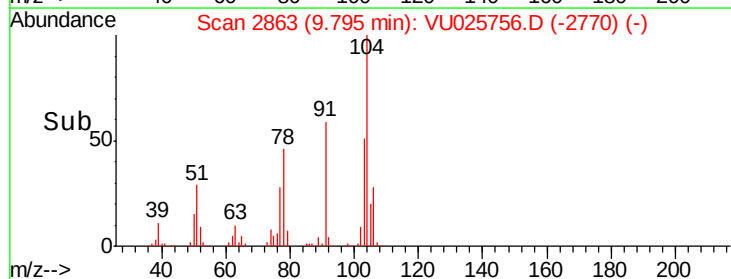
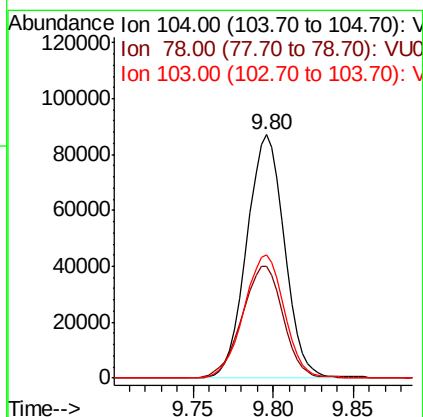
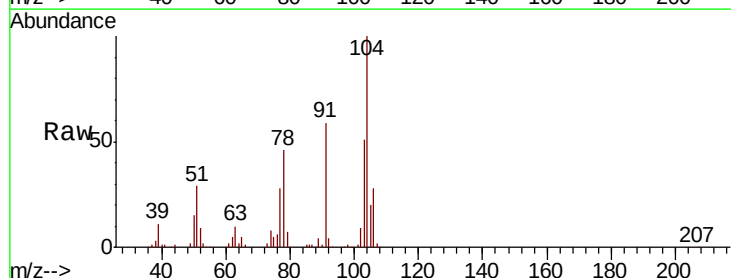
Instrument :
MSVOA_U
ClientSampleId :
VU0801MBSD01

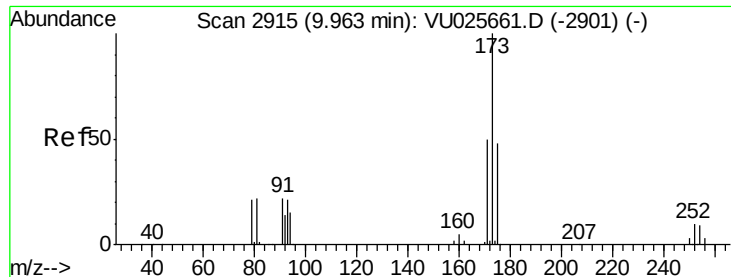
Tot Ion:106 Resp: 85627
Ion Ratio Lower Upper
106 100
91 214.3 105.3 315.8



#70
Styrene
Concen: 20.77 ug/l
RT: 9.80 min Scan# 2863
Delta R.T. 0.00 min
Lab File: VU025756.D
Acq: 31 Jul 2018 22:01

Tgt Ion:104 Resp: 140353
Ion Ratio Lower Upper
104 100
78 50.2 41.6 62.4
103 54.6 44.6 66.8





#71

Bromoform

Concen: 20.62 ug/l

RT: 9.96 min Scan# 2915

Delta R.T. 0.00 min

Lab File: VU025756.D

Acq: 31 Jul 2018 22:01

Instrument :

MSVOA_U

ClientSampleId :

VU0801MBSD01

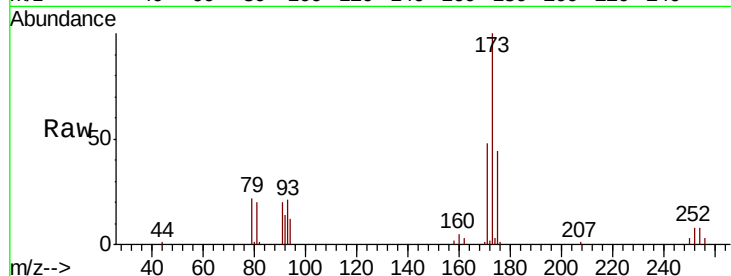
Tot Ion:173 Resp: 43540

Ion Ratio Lower Upper

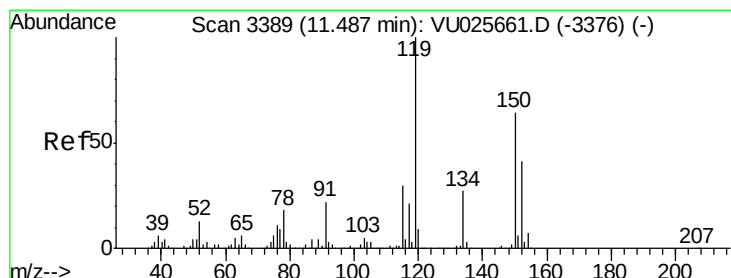
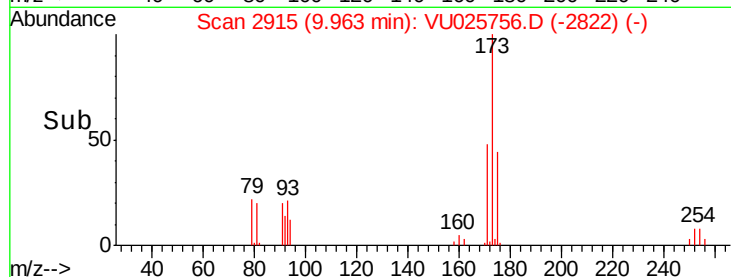
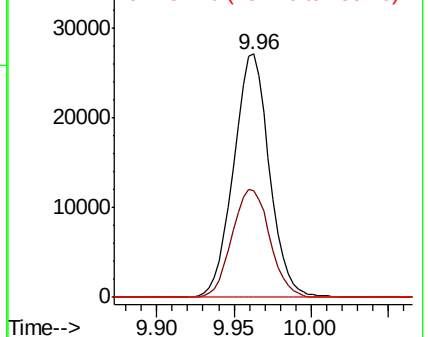
173 100

175 46.7 24.0 72.0

254 0.0 0.0 0.0



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



#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

RT: 11.49 min Scan# 3389

Delta R.T. 0.00 min

Lab File: VU025756.D

Acq: 31 Jul 2018 22:01

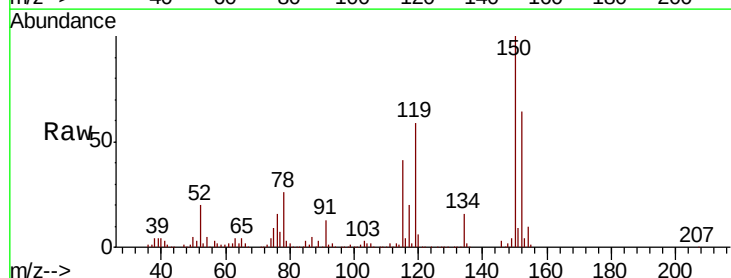
Tgt Ion:152 Resp: 162378

Ion Ratio Lower Upper

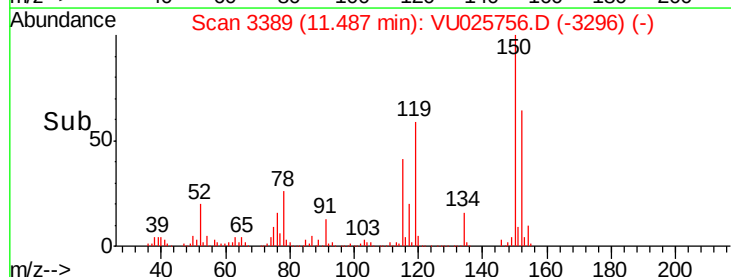
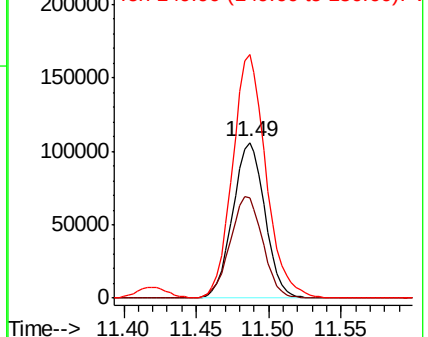
152 100

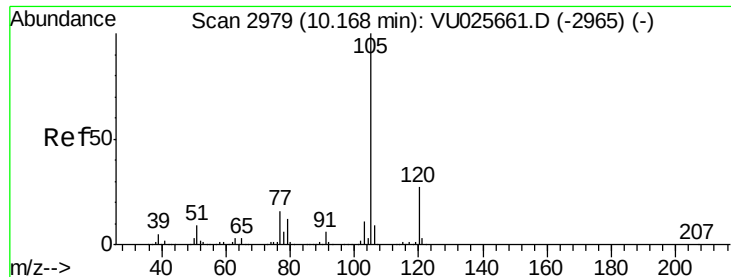
115 66.5 40.1 120.3

150 163.3 0.0 351.4



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: 21.26 ug/l

RT: 10.17 min Scan# 2979

Delta R.T. 0.00 min

Lab File: VU025756.D

Acq: 31 Jul 2018 22:01

Instrument :

MSVOA_U

ClientSampleId :

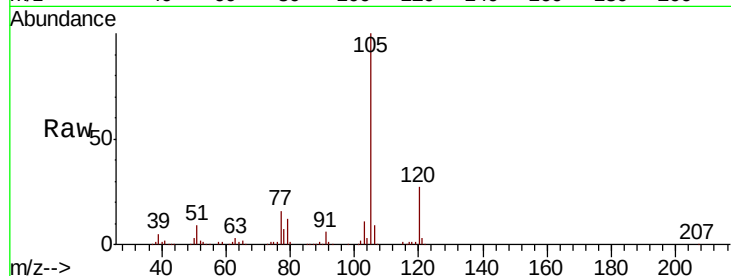
VU0801MBSD01

Tot Ion:105 Resp: 235594

Ion Ratio Lower Upper

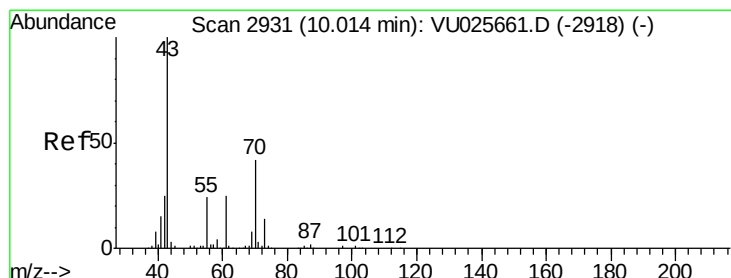
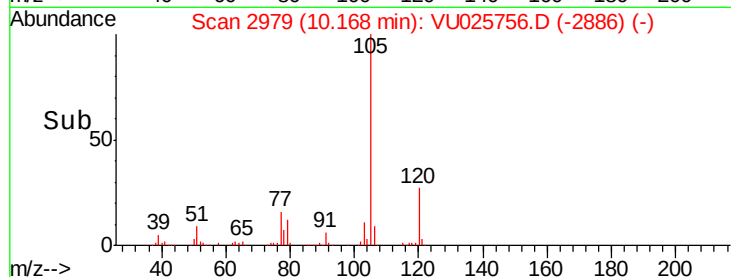
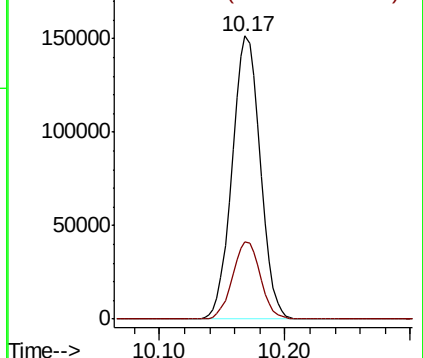
105 100

120 27.1 13.5 40.5



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 20.75 ug/l

RT: 10.01 min Scan# 2931

Delta R.T. 0.00 min

Lab File: VU025756.D

Acq: 31 Jul 2018 22:01

Tgt Ion: 43 Resp: 93864

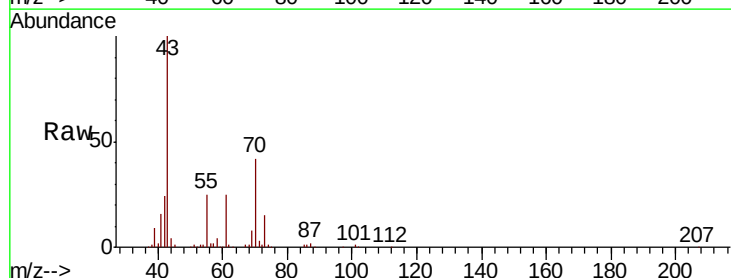
Ion Ratio Lower Upper

43 100

70 42.3 33.4 50.2

55 24.7 19.0 28.6

61 24.6 19.3 28.9

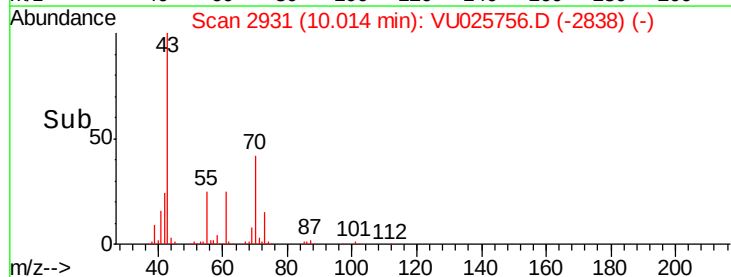
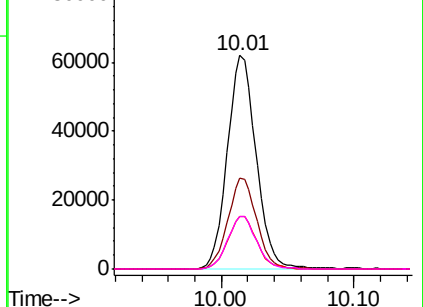


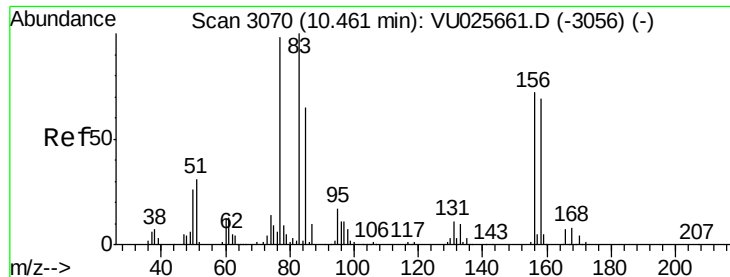
Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 70.00 (69.70 to 70.70): VU0

Ion 55.00 (54.70 to 55.70): VU0

Ion 61.00 (60.70 to 61.70): VU0





#75

1,1,2,2-Tetrachloroethane

Concen: 20.55 ug/l

RT: 10.46 min Scan# 3070

Delta R.T. 0.00 min

Lab File: VU025756.D

Acq: 31 Jul 2018 22:01

Instrument :

MSVOA_U

ClientSampleId :

VU0801MBSD01

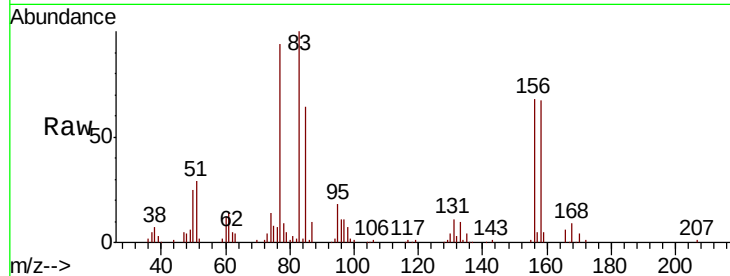
Tot Ion: 83 Resp: 78772

Ion Ratio Lower Upper

83 100

131 10.8 5.5 16.4

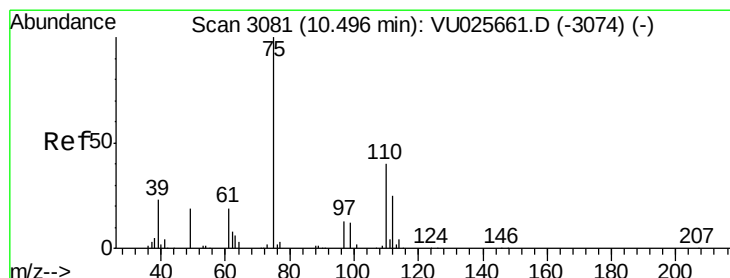
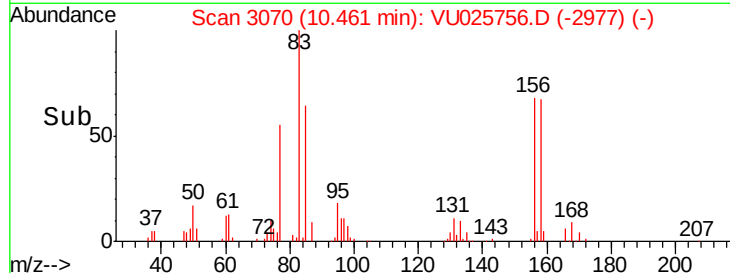
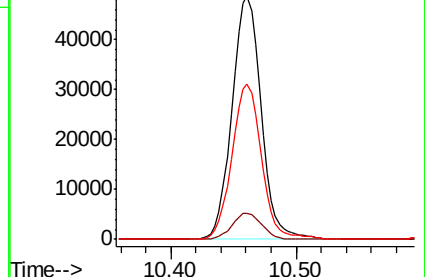
85 64.7 31.6 94.8



Abundance Ion 82.90 (82.60 to 83.60): VU025756.D (-2977) (-)

Ion 130.80 (130.50 to 131.50): VU025756.D (-2977) (-)

Ion 84.90 (84.60 to 85.60): VU025756.D (-2977) (-)



#76

1,2,3-Trichloropropane

Concen: 25.18 ug/l

RT: 10.50 min Scan# 3081

Delta R.T. 0.00 min

Lab File: VU025756.D

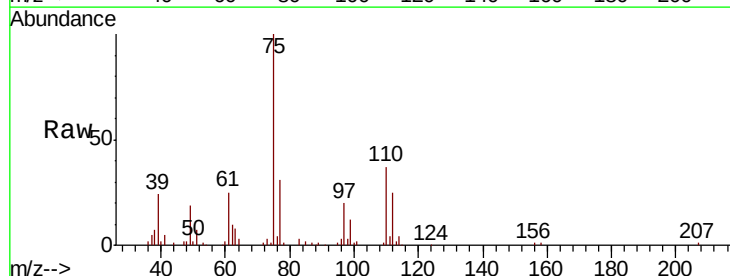
Acq: 31 Jul 2018 22:01

Tgt Ion: 75 Resp: 90097

Ion Ratio Lower Upper

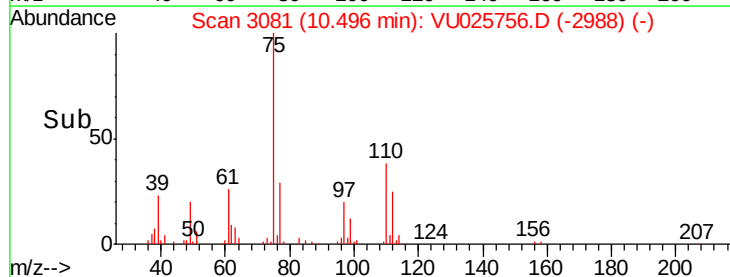
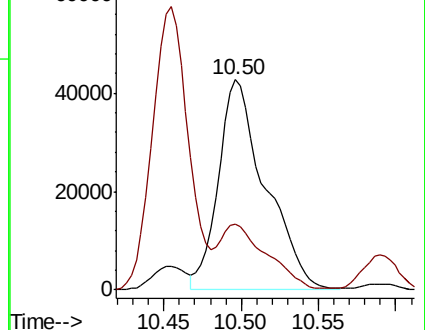
75 100

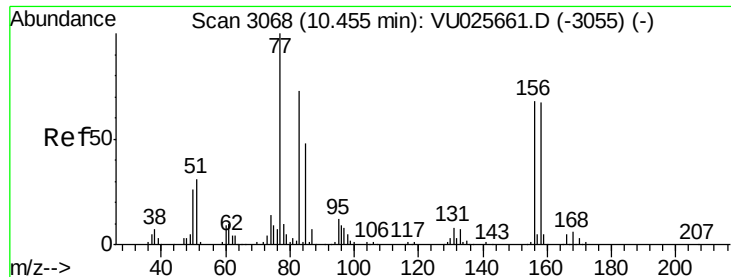
77 30.2 20.4 61.3



Abundance Ion 74.90 (74.60 to 75.60): VU025756.D (-2988) (-)

Ion 77.00 (76.70 to 77.70): VU025756.D (-2988) (-)





#77

Bromobenzene

Concen: 21.04 ug/l

RT: 10.45 min Scan# 3068

Delta R.T. 0.00 min

Lab File: VU025756.D

Acq: 31 Jul 2018 22:01

Instrument :

MSVOA_U

ClientSampleId :

VU0801MBSD01

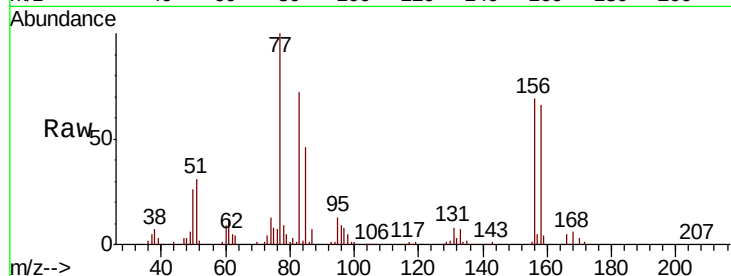
Tot Ion:156 Resp: 64314

Ion Ratio Lower Upper

156 100

77 145.4 73.8 221.4

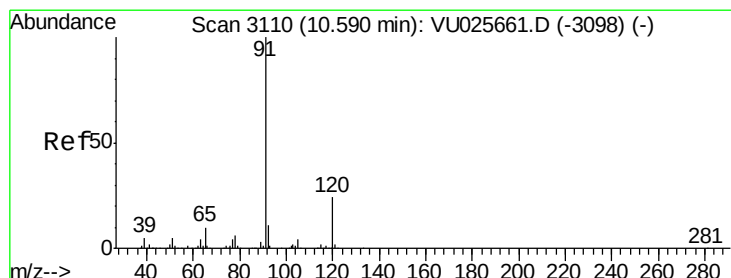
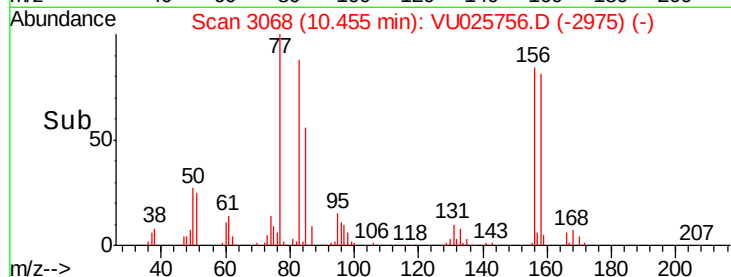
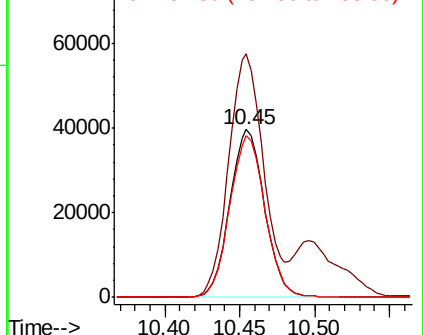
158 97.6 48.0 144.0



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: 21.09 ug/l

RT: 10.59 min Scan# 3110

Delta R.T. 0.00 min

Lab File: VU025756.D

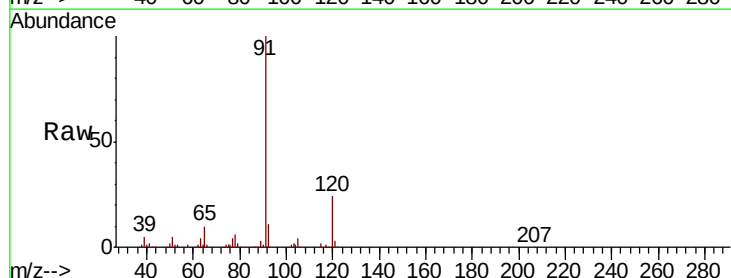
Acq: 31 Jul 2018 22:01

Tgt Ion: 91 Resp: 272777

Ion Ratio Lower Upper

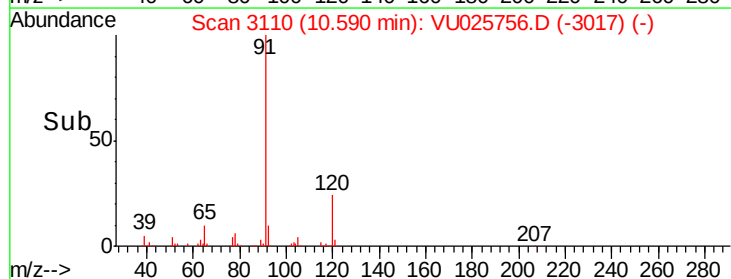
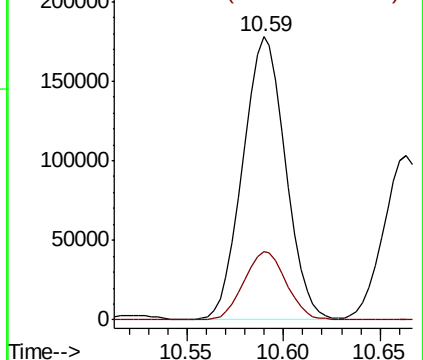
91 100

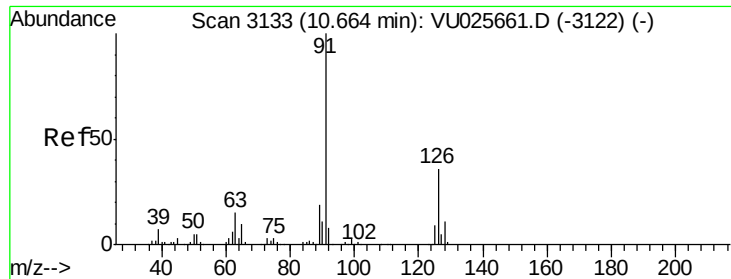
120 23.8 11.8 35.3



Abundance Ion 91.00 (90.70 to 91.70): VU0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 21.35 ug/l

RT: 10.66 min Scan# 3133

Delta R.T. 0.00 min

Lab File: VU025756.D

Acq: 31 Jul 2018 22:01

Instrument :

MSVOA_U

ClientSampleId :

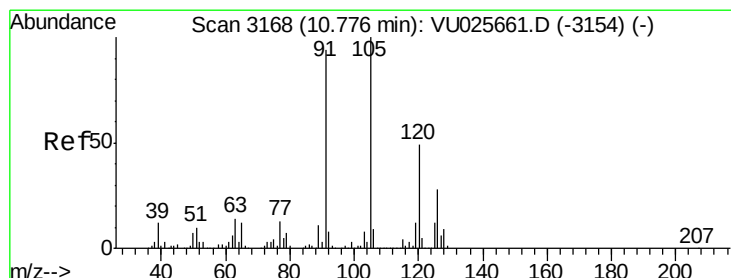
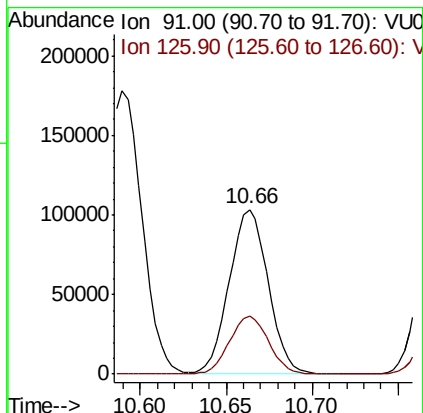
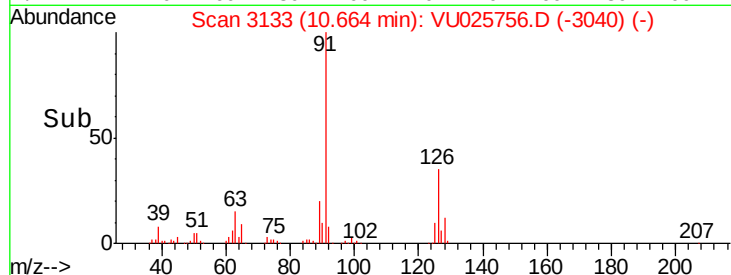
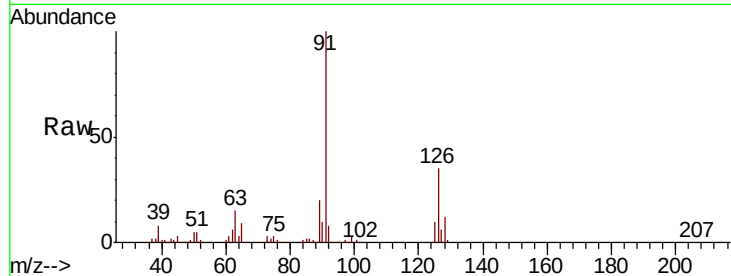
VU0801MBSD01

Tot Ion: 91 Resp: 161790

Ion Ratio Lower Upper

91 100

126 35.6 17.5 52.6



#80

1,3,5-Trimethylbenzene

Concen: 21.23 ug/l

RT: 10.78 min Scan# 3168

Delta R.T. 0.00 min

Lab File: VU025756.D

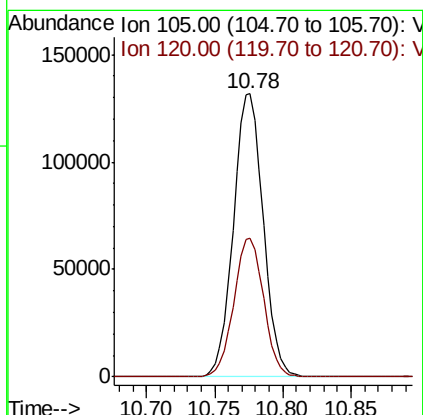
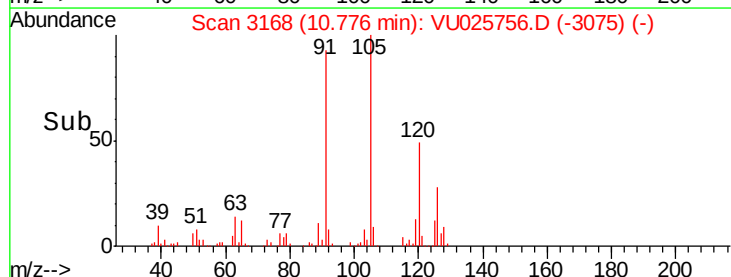
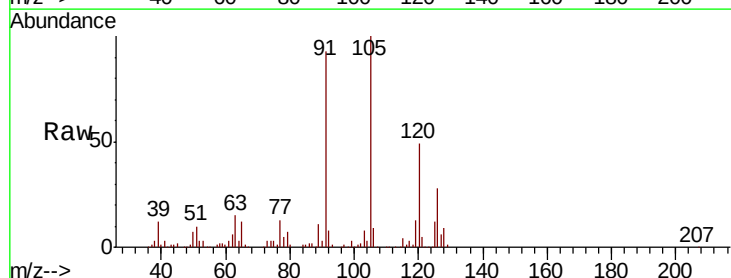
Acq: 31 Jul 2018 22:01

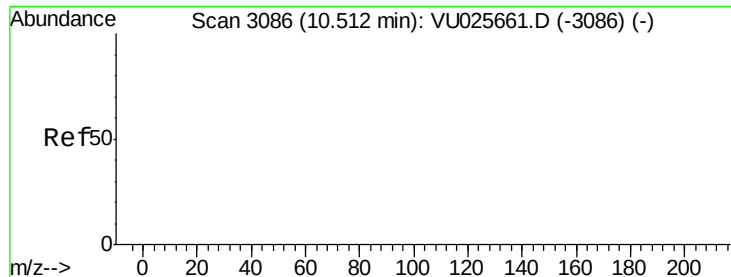
Tgt Ion: 105 Resp: 199776

Ion Ratio Lower Upper

105 100

120 49.1 24.1 72.2





#81

trans-1,4-Dichloro-2-butene

Concen: 63.15 ug/l

RT: 10.50 min Scan# 3081

Delta R.T. 0.00 min

Lab File: VU025756.D

Acq: 31 Jul 2018 22:01

Instrument :

MSVOA_U

ClientSampleId :

VU0801MBSD01

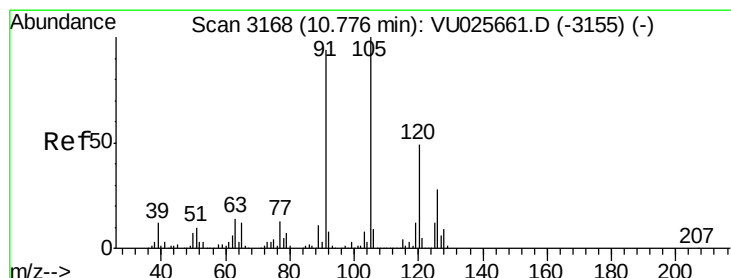
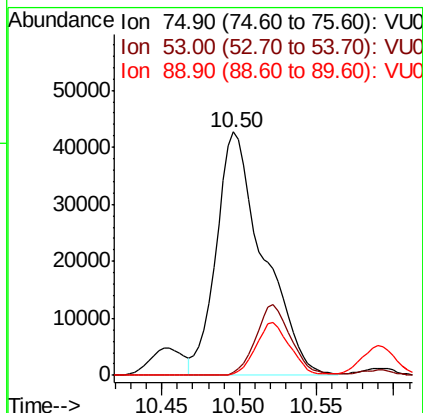
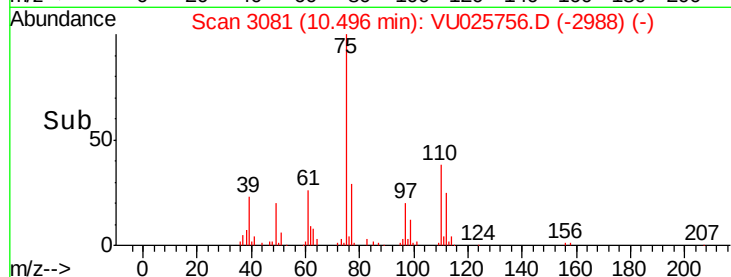
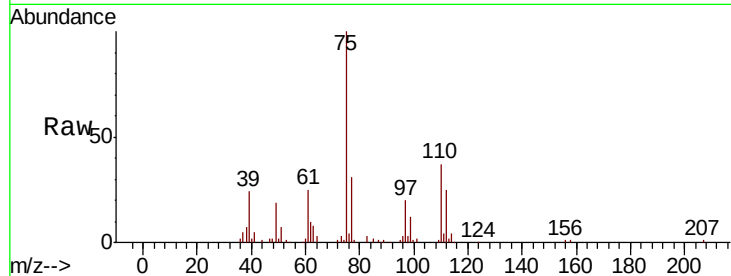
Tot Ion: 75 Resp: 90097

Ion Ratio Lower Upper

75 100

53 0.0 0.0 0.0

89 0.0 0.0 0.0



#82

4-Chlorotoluene

Concen: 21.41 ug/l

RT: 10.78 min Scan# 3168

Delta R.T. 0.00 min

Lab File: VU025756.D

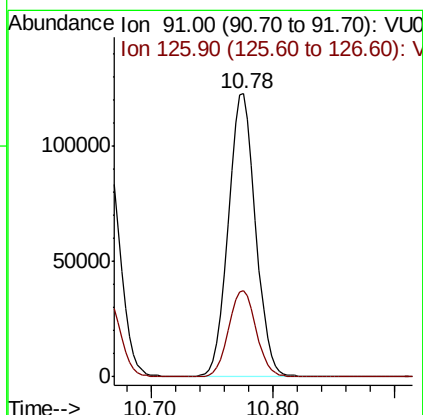
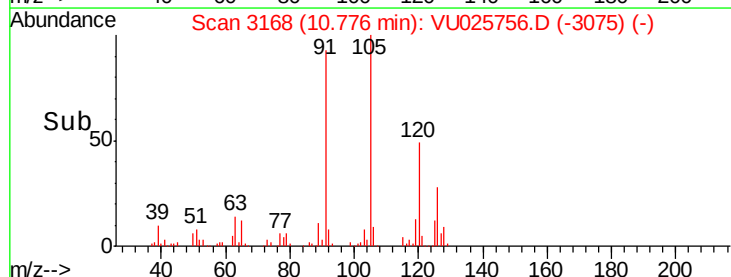
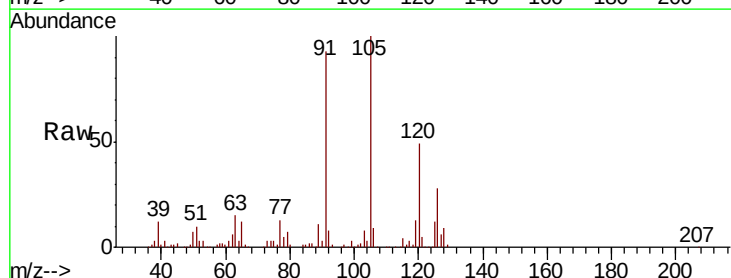
Acq: 31 Jul 2018 22:01

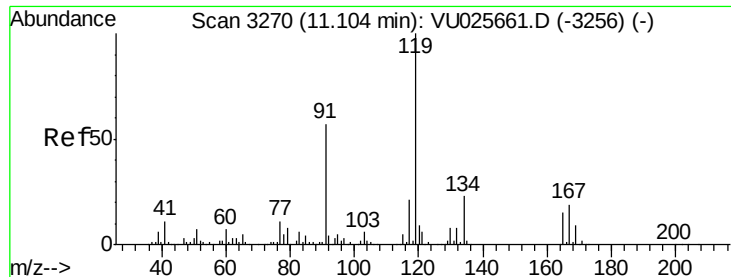
Tgt Ion: 91 Resp: 191204

Ion Ratio Lower Upper

91 100

126 31.2 15.3 45.9

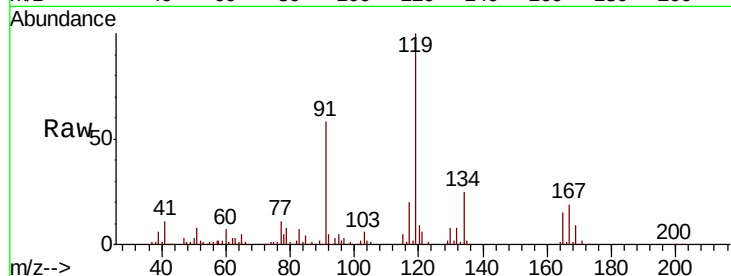




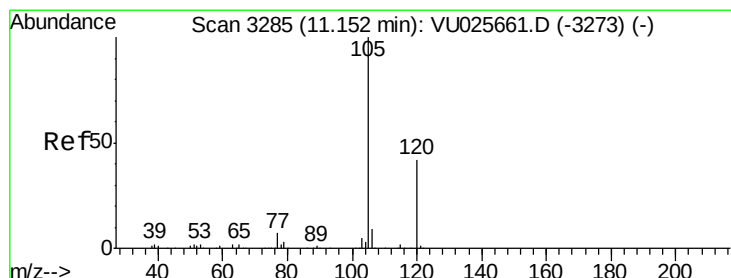
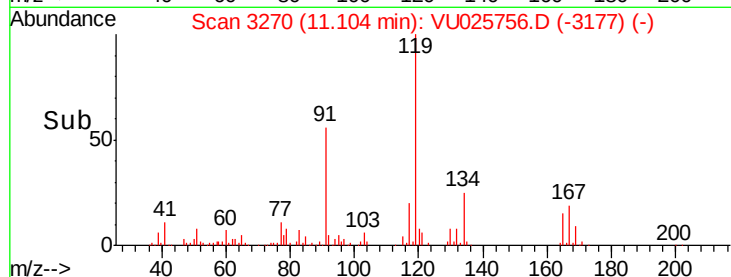
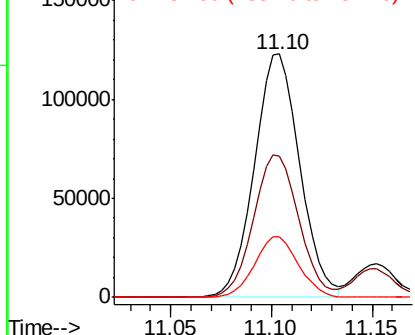
#83
 tert-Butylbenzene
 Concen: 20.64 ug/l
 RT: 11.10 min Scan# 3270
 Delta R.T. 0.00 min
 Lab File: VU025756.D
 Acq: 31 Jul 2018 22:01

Instrument :
 MSVOA_U
 ClientSampleId :
 VU0801MBSD01

Tot Ion	Ratio	Lower	Upper
119	100		
91	58.5	29.7	89.1
134	24.3	11.5	34.5

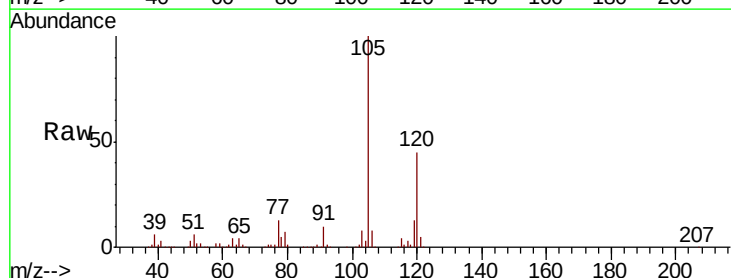


Abundance Ion 119.00 (118.70 to 119.70): V
 Ion 91.00 (90.70 to 91.70): VU0
 Ion 134.00 (133.70 to 134.70): V

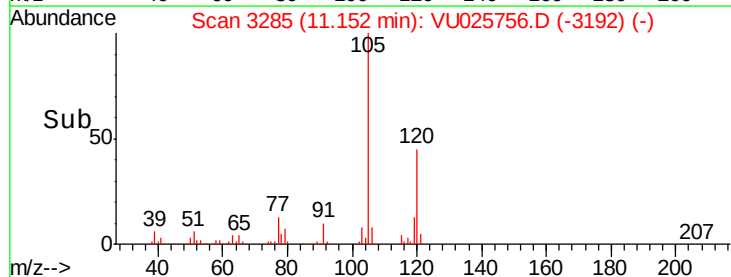
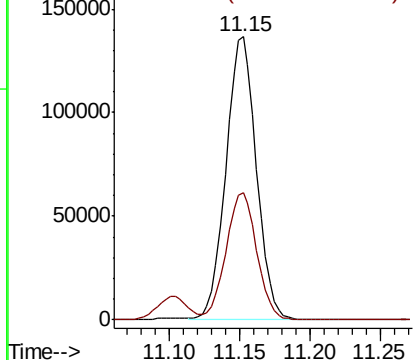


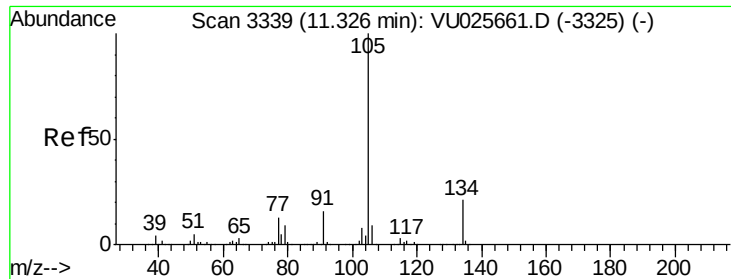
#84
 1,2,4-Trimethylbenzene
 Concen: 21.49 ug/l
 RT: 11.15 min Scan# 3285
 Delta R.T. 0.00 min
 Lab File: VU025756.D
 Acq: 31 Jul 2018 22:01

Tgt Ion	Ratio	Lower	Upper
105	100		
120	45.6	22.3	66.8



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





#85

sec-Butylbenzene

Concen: 21.02 ug/l

RT: 11.33 min Scan# 3339

Delta R.T. 0.00 min

Lab File: VU025756.D

Acq: 31 Jul 2018 22:01

Instrument :

MSVOA_U

ClientSampleId :

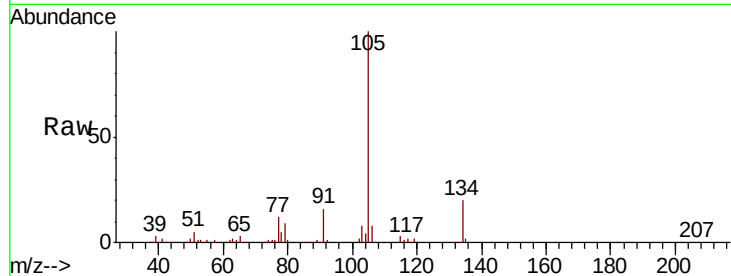
VU0801MBSD01

Tot Ion:105 Resp: 240052

Ion Ratio Lower Upper

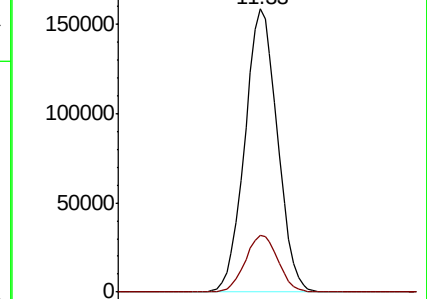
105 100

134 20.3 10.3 30.8

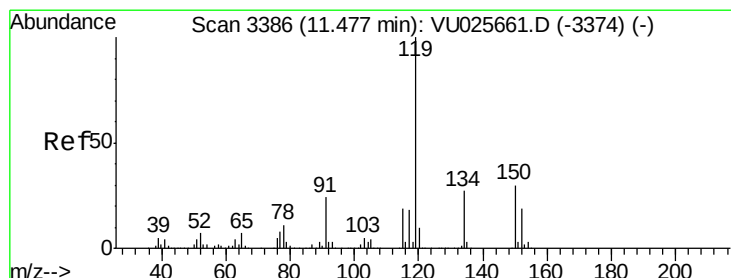
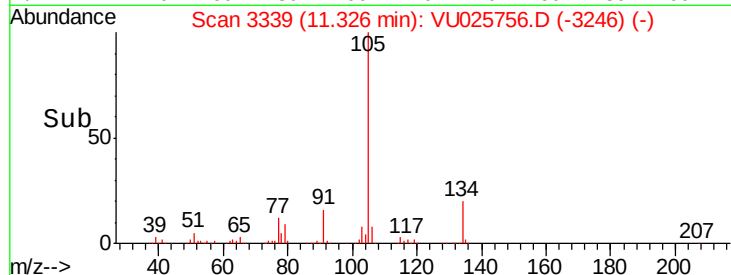


Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



Time-->



#86

p-Isopropyltoluene

Concen: 21.04 ug/l

RT: 11.48 min Scan# 3386

Delta R.T. 0.00 min

Lab File: VU025756.D

Acq: 31 Jul 2018 22:01

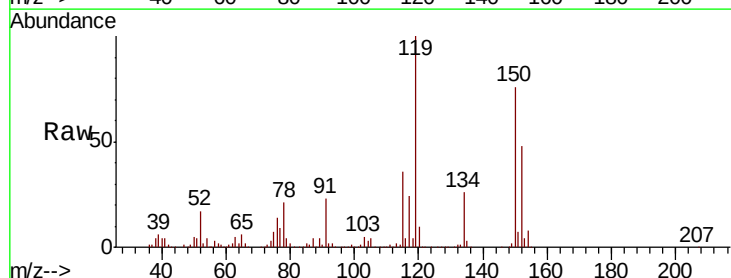
Tgt Ion:119 Resp: 215145

Ion Ratio Lower Upper

119 100

134 26.5 13.2 39.5

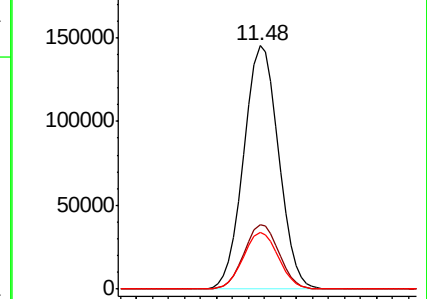
91 23.6 12.0 36.1



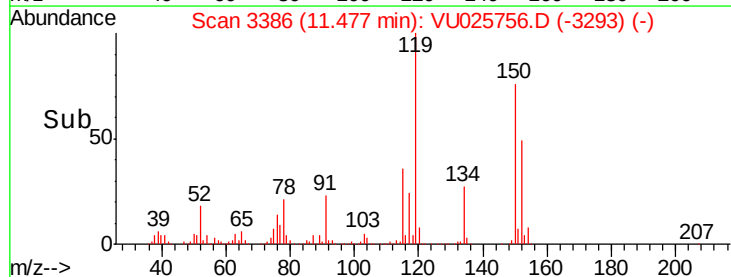
Abundance Ion 119.00 (118.70 to 119.70): V

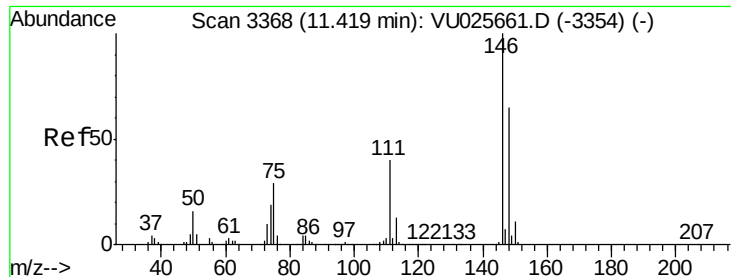
Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): VU0



Time-->

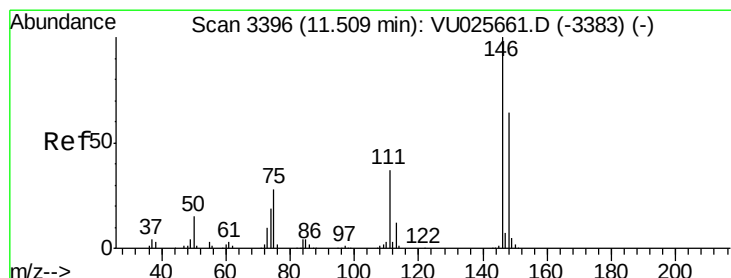
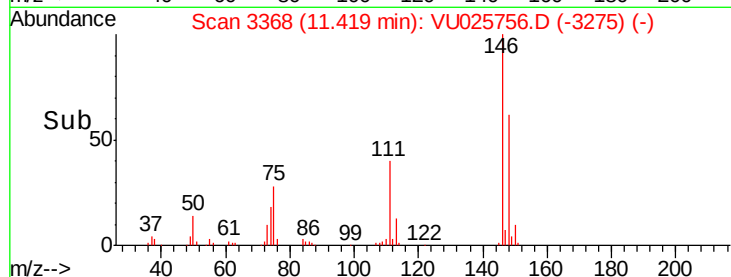
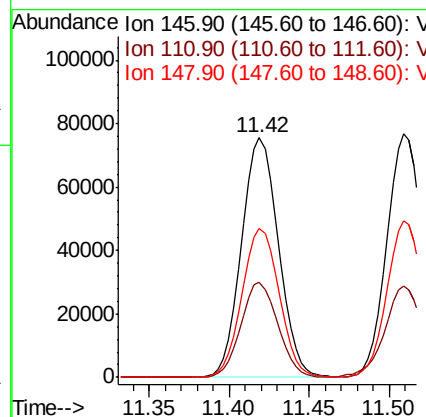
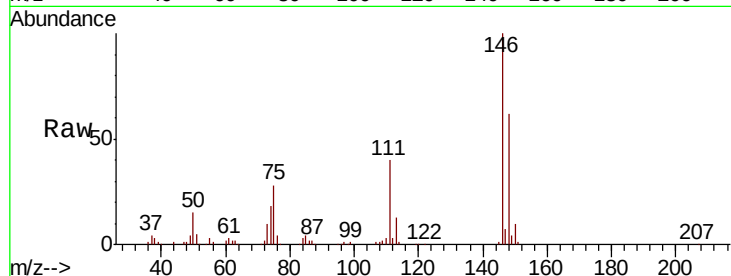




#87
 1,3-Dichlorobenzene
 Concen: 20.91 ug/l
 RT: 11.42 min Scan# 3368
 Delta R.T. 0.00 min
 Lab File: VU025756.D
 Acq: 31 Jul 2018 22:01

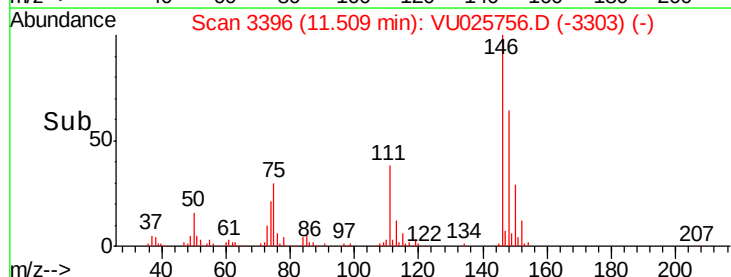
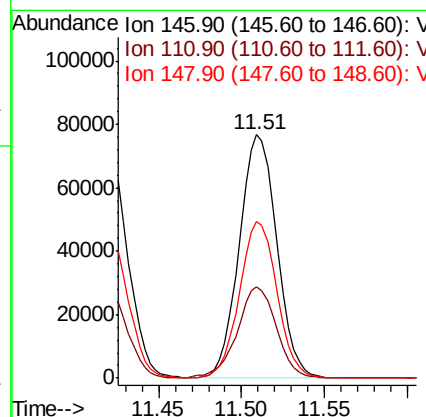
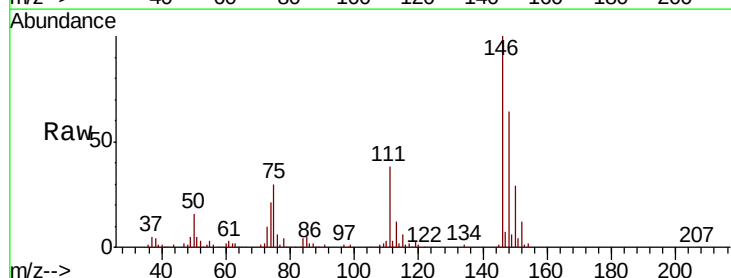
Instrument :
 MSVOA_U
 ClientSampleId :
 VU0801MBS01

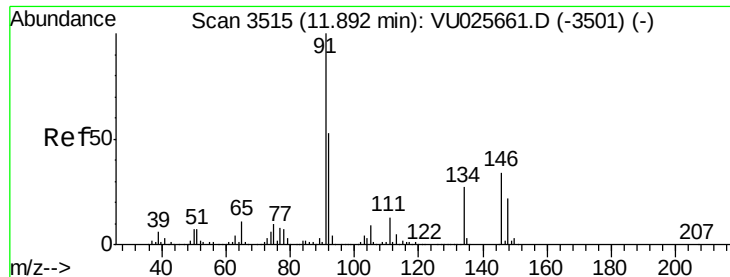
Tot Ion	Ratio	Lower	Upper
146	100		
111	39.4	19.7	59.1
148	62.6	32.1	96.3



#88
 1,4-Dichlorobenzene
 Concen: 20.37 ug/l
 RT: 11.51 min Scan# 3396
 Delta R.T. 0.00 min
 Lab File: VU025756.D
 Acq: 31 Jul 2018 22:01

Tgt Ion	Ratio	Lower	Upper
146	100		
111	39.2	19.4	58.1
148	64.7	31.7	95.1





#89

n-Butylbenzene

Concen: 19.89 ug/l

RT: 11.89 min Scan# 3515

Delta R.T. 0.00 min

Lab File: VU025756.D

Acq: 31 Jul 2018 22:01

Instrument :

MSVOA_U

ClientSampleId :

VU0801MBSD01

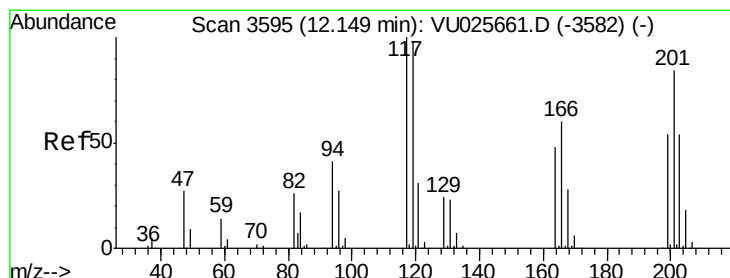
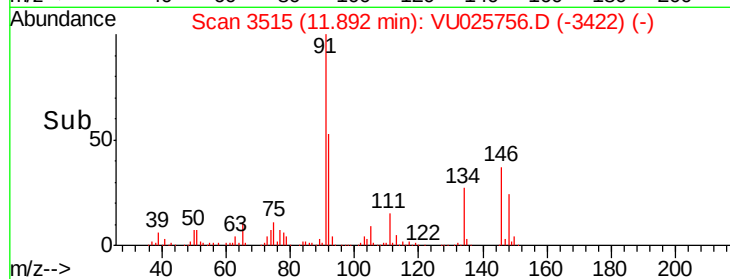
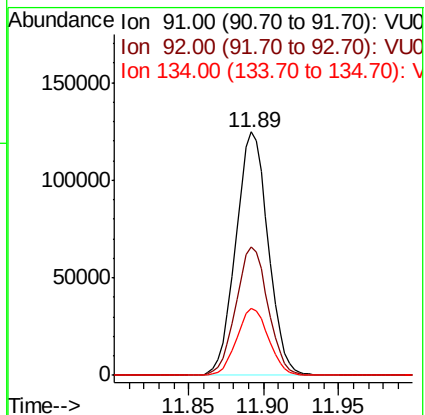
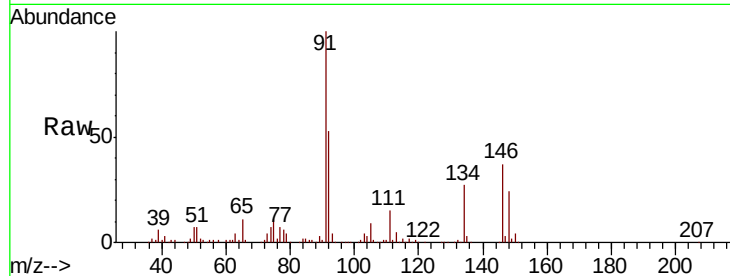
Tot Ion: 91 Resp: 187626

Ion Ratio Lower Upper

91 100

92 52.5 26.5 79.5

134 27.0 13.6 40.7



#90

Hexachloroethane

Concen: 19.48 ug/l

RT: 12.15 min Scan# 3595

Delta R.T. 0.00 min

Lab File: VU025756.D

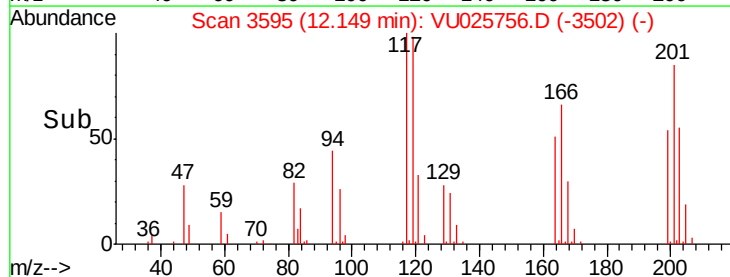
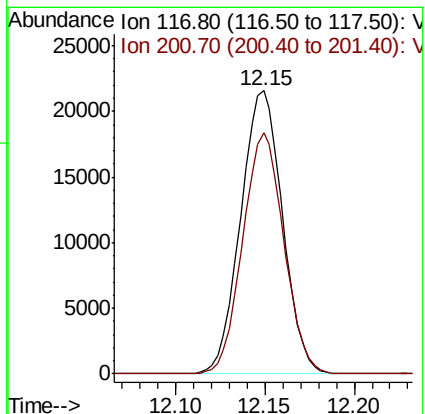
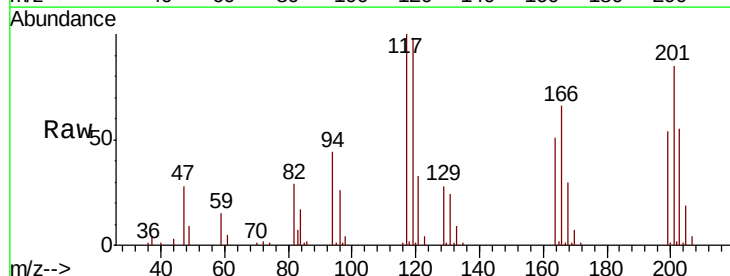
Acq: 31 Jul 2018 22:01

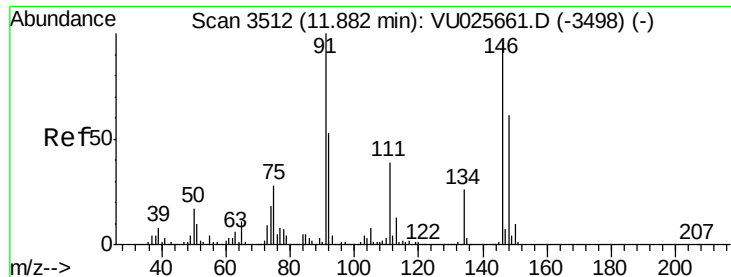
Tgt Ion: 117 Resp: 35401

Ion Ratio Lower Upper

117 100

201 83.7 42.5 127.6

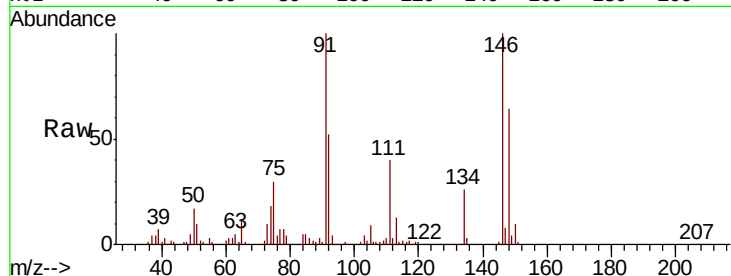




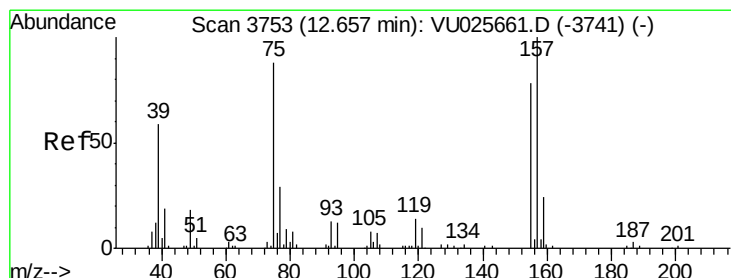
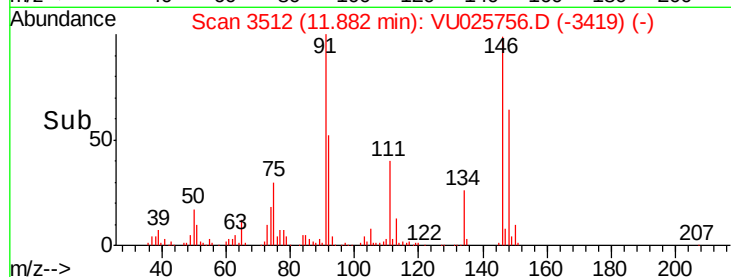
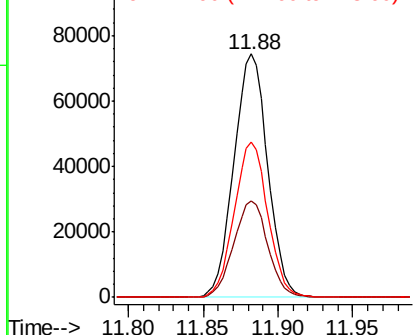
#91
 1,2-Dichlorobenzene
 Concen: 21.02 ug/l
 RT: 11.88 min Scan# 3512
 Delta R.T. 0.00 min
 Lab File: VU025756.D
 Acq: 31 Jul 2018 22:01

Instrument :
 MSVOA_U
 ClientSampleId :
 VU0801MBSD01

Tot Ion	Ratio	Lower	Upper
146	100		
111	40.2	20.6	61.8
148	63.4	31.5	94.5

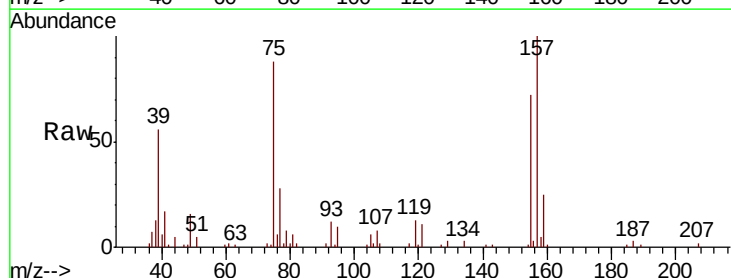


Abundance Ion 145.90 (145.60 to 146.60): V
 Ion 110.90 (110.60 to 111.60): V
 Ion 147.90 (147.60 to 148.60): V

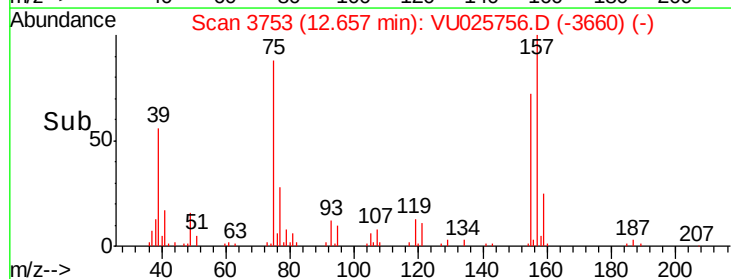
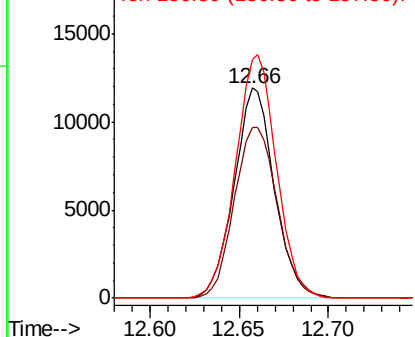


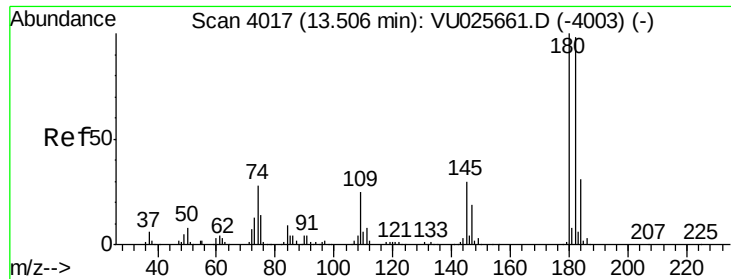
#92
 1,2-Dibromo-3-Chloropropane
 Concen: 20.65 ug/l
 RT: 12.66 min Scan# 3753
 Delta R.T. 0.00 min
 Lab File: VU025756.D
 Acq: 31 Jul 2018 22:01

Tgt Ion	Ratio	Lower	Upper
75	100		
155	87.4	44.5	133.3
157	117.9	57.0	170.8



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

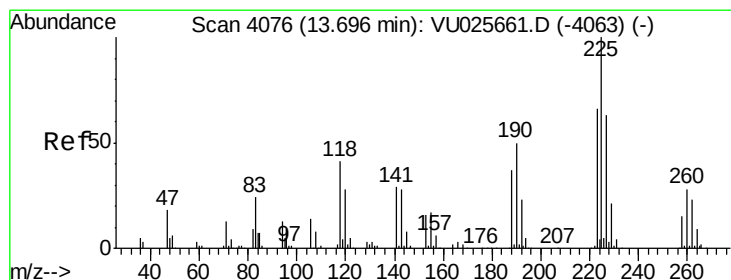
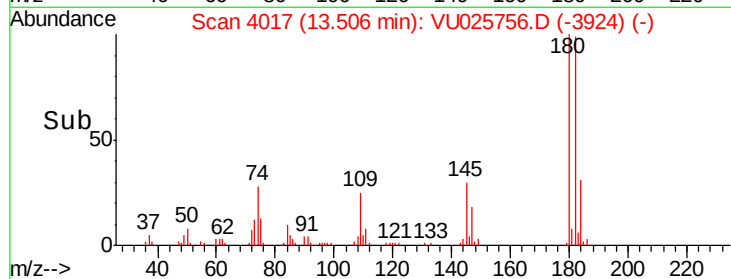
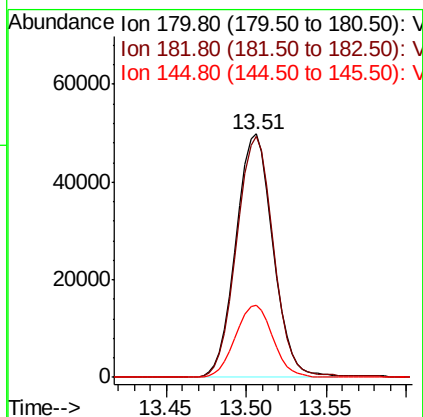
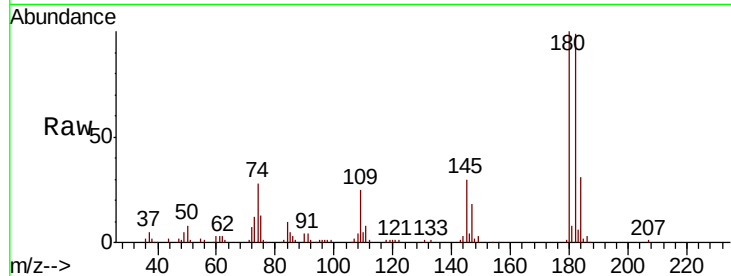




#93
 1,2,4-Trichlorobenzene
 Concen: 21.03 ug/l
 RT: 13.51 min Scan# 4017
 Delta R.T. 0.00 min
 Lab File: VU025756.D
 Acq: 31 Jul 2018 22:01

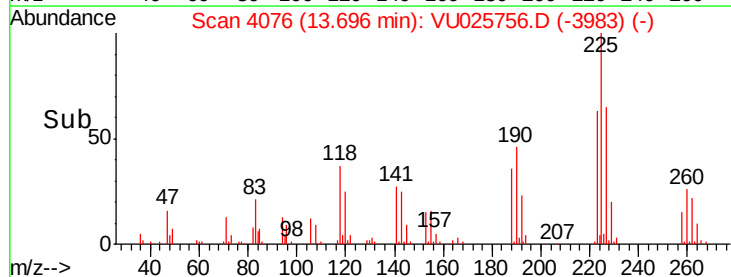
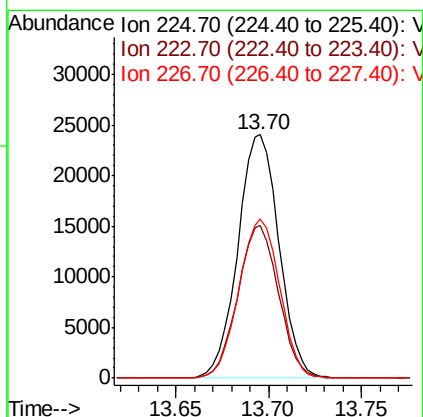
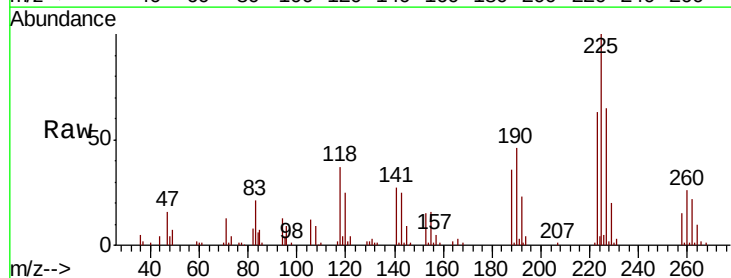
Instrument :
 MSVOA_U
 ClientSampleId :
 VU0801MBSD01

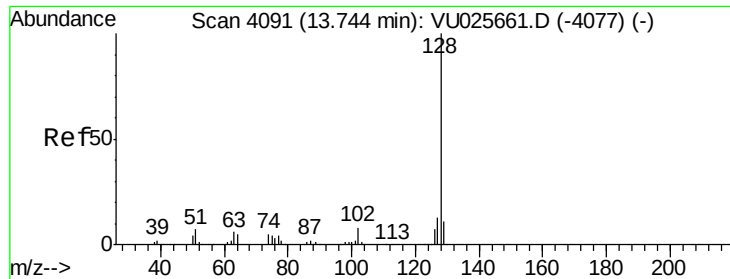
Tot Ion:180 Resp: 78934
 Ion Ratio Lower Upper
 180 100
 182 98.7 47.3 141.9
 145 29.7 14.9 44.7



#94
 Hexachlorobutadiene
 Concen: 18.75 ug/l
 RT: 13.70 min Scan# 4076
 Delta R.T. 0.00 min
 Lab File: VU025756.D
 Acq: 31 Jul 2018 22:01

Tgt Ion:225 Resp: 37096
 Ion Ratio Lower Upper
 225 100
 223 62.1 31.9 95.7
 227 65.0 32.3 96.9





#95

Naphthalene

Concen: 20.89 ug/l

RT: 13.74 min Scan# 4091

Delta R.T. 0.00 min

Lab File: VU025756.D

Acq: 31 Jul 2018 22:01

Instrument :

MSVOA_U

ClientSampleId :

VU0801MBSD01

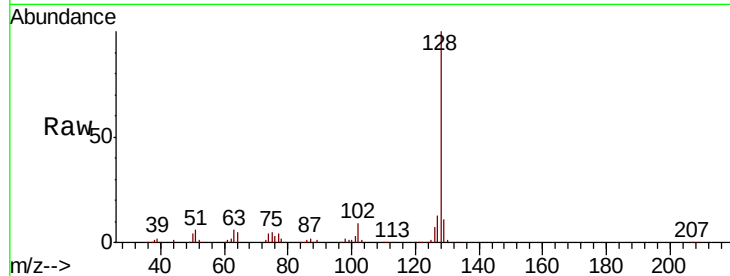
Tot Ion:128 Resp: 242861

Ion Ratio Lower Upper

128 100

127 12.9 10.5 15.7

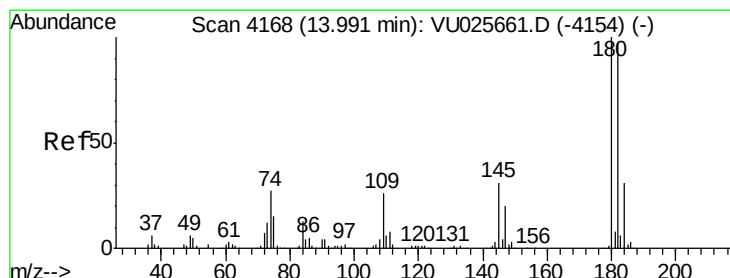
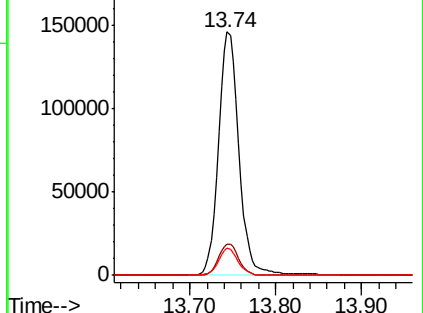
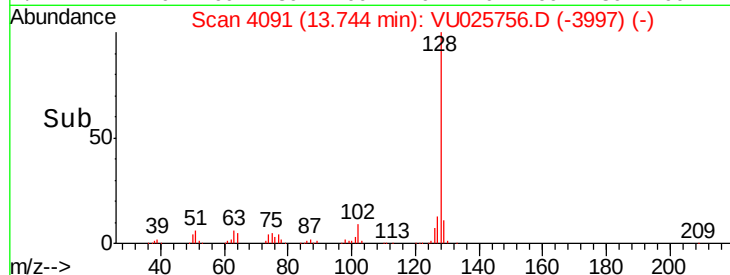
129 10.8 8.3 12.5



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#96

1,2,3-Trichlorobenzene

Concen: 21.48 ug/l

RT: 13.99 min Scan# 4167

Delta R.T. -0.00 min

Lab File: VU025756.D

Acq: 31 Jul 2018 22:01

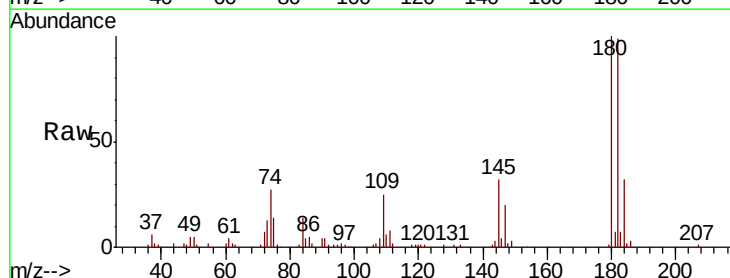
Tgt Ion:180 Resp: 80422

Ion Ratio Lower Upper

180 100

182 97.0 47.8 143.3

145 31.1 15.6 46.8



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

