

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU080118\
 Data File : VU025755.D
 Acq On : 31 Jul 2018 21:38
 Operator : MD/SY
 Sample : VU0801MBS01
 Misc : 5.00µl/10mL/100µL/5.00mL/MSVOA_U/MEOH
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VU0801MBS01

Quant Time: Aug 01 05:31:22 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	176717	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.89	114	270871	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.09	117	261419	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.49	152	165380	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.31	65	142562	51.78	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.56%	
35) Dibromofluoromethane	4.89	113	115774	49.14	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.28%	
50) Toluene-d8	7.57	98	410393	49.78	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.56%	
62) 4-Bromofluorobenzene	10.31	95	159202	49.75	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.50%	

Target Compounds				Qvalue		
2) Dichlorodifluoromethane	1.21	85	57899	21.68	ug/l	98
3) Chloromethane	1.33	50	50494	19.78	ug/l	100
4) Vinyl Chloride	1.41	62	49714	20.69	ug/l	97
5) Bromomethane	1.63	94	24989	21.30	ug/l	97
6) Chloroethane	1.70	64	28278	20.13	ug/l	94
7) Trichlorofluoromethane	1.89	101	73141	21.06	ug/l	100
8) Diethyl Ether	2.10	74	26751	21.28	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	2.29	101	42373	21.08	ug/l	98
10) Methyl Iodide	2.41	142	27252	20.63	ug/l	100
11) Tert butyl alcohol	2.83	59	55683	92.37	ug/l	98
12) 1,1-Dichloroethene	2.28	96	38298	20.18	ug/l	97
13) Acrolein	2.19	56	26338	119.58	ug/l	96
14) Allyl chloride	2.59	41	65983	19.35	ug/l	99
15) Acrylonitrile	2.94	53	126902	105.43	ug/l	98
16) Acetone	2.32	43	116420	86.72	ug/l	99
17) Carbon Disulfide	2.48	76	119407	19.44	ug/l	99
18) Methyl Acetate	2.62	43	80110	24.79	ug/l	100
19) Methyl tert-butyl Ether	3.00	73	148408	21.58	ug/l	100
20) Methylene Chloride	2.70	84	48284	20.30	ug/l	96
21) trans-1,2-Dichloroethene	2.99	96	45341	20.67	ug/l	99
22) Diisopropyl ether	3.57	45	143385	21.34	ug/l	98
23) Vinyl Acetate	3.53	43	602071	102.82	ug/l	99
24) 1,1-Dichloroethane	3.45	63	85590	21.22	ug/l	98
25) 2-Butanone	4.27	43	180016	98.51	ug/l	98
26) 2,2-Dichloropropane	4.23	77	65955	17.99	ug/l	100
27) cis-1,2-Dichloroethene	4.23	96	51965	21.01	ug/l	96
28) Bromochloromethane	4.55	49	37700	20.90	ug/l	97
29) Tetrahydrofuran	4.64	42	116915	106.79	ug/l	97
30) Chloroform	4.68	83	88281	20.74	ug/l	99
31) Cyclohexane	5.00	56	73402	20.11	ug/l	97
32) 1,1,1-Trichloroethane	4.92	97	83184	21.70	ug/l	99
36) 1,1-Dichloropropene	5.14	75	63787	20.15	ug/l	97
37) Ethyl Acetate	4.38	43	69069	21.04	ug/l	99
38) Carbon Tetrachloride	5.14	117	72022	20.09	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	6.42	83	72764	20.06	ug/l	98
40) Benzene	5.39	78	186770	20.18	ug/l	98
41) Methacrylonitrile	4.55	41	37838	20.75	ug/l	98
42) 1,2-Dichloroethane	5.41	62	72259	20.28	ug/l	99
43) Isopropyl Acetate	5.55	43	110610	20.39	ug/l	99
44) Trichloroethene	6.19	130	52668	20.44	ug/l	96
45) 1,2-Dichloropropane	6.44	63	49406	20.47	ug/l	100
46) Dibromomethane	6.56	93	35656	20.39	ug/l	99
47) Bromodichloromethane	6.76	83	67887	20.35	ug/l	99
48) Methyl methacrylate	6.63	41	55196	20.76	ug/l	99
49) 1,4-Dioxane	6.62	88	23486	363.05	ug/l	98
51) 4-Methyl-2-Pentanone	7.46	43	348702	102.69	ug/l	100
52) Toluene	7.64	92	117839	20.50	ug/l	100
53) t-1,3-Dichloropropene	7.88	75	76618	20.46	ug/l	97
54) cis-1,3-Dichloropropene	7.27	75	78581	20.43	ug/l	97
55) 1,1,2-Trichloroethane	8.07	97	48015	20.10	ug/l	99
56) Ethyl methacrylate	8.02	69	71225	20.87	ug/l	97
57) 1,3-Dichloropropane	8.25	76	83371	20.75	ug/l	99
58) 2-Chloroethyl Vinyl ether	7.13	63	134982	91.93	ug/l	100
59) 2-Hexanone	8.36	43	267330	100.43	ug/l	99
60) Dibromochloromethane	8.48	129	56226	19.96	ug/l	99
61) 1,2-Dibromoethane	8.59	107	52999	19.95	ug/l	95
64) Tetrachloroethene	8.23	164	48044	20.88	ug/l	97
65) Chlorobenzene	9.12	112	137478	20.40	ug/l	99
66) 1,1,1,2-Tetrachloroethane	9.21	131	52011	21.33	ug/l	99
67) Ethyl Benzene	9.25	91	229166	20.53	ug/l	99
68) m/p-Xylenes	9.38	106	180224	42.05	ug/l	98
69) o-Xylene	9.78	106	86457	20.64	ug/l	98
70) Styrene	9.80	104	138559	20.48	ug/l	99
71) Bromoform	9.96	173	42186	19.95	ug/l #	99
73) Isopropylbenzene	10.17	105	234610	20.78	ug/l	100
74) N-amyl acetate	10.01	43	95231	20.67	ug/l	99
75) 1,1,2,2-Tetrachloroethane	10.46	83	77967	19.97	ug/l	96
76) 1,2,3-Trichloropropane	10.50	75	90281	24.78	ug/l	86
77) Bromobenzene	10.45	156	63411	20.37	ug/l	99
78) n-propylbenzene	10.59	91	270468	20.53	ug/l	98
79) 2-Chlorotoluene	10.66	91	160370	20.78	ug/l	98
80) 1,3,5-Trimethylbenzene	10.77	105	199992	20.86	ug/l	99
81) trans-1,4-Dichloro-2-buten	10.50	75	90281	62.13	ug/l #	100
82) 4-Chlorotoluene	10.77	91	189635	20.85	ug/l	99
83) tert-Butylbenzene	11.10	119	194639	20.44	ug/l	98
84) 1,2,4-Trimethylbenzene	11.15	105	204820	21.08	ug/l	99
85) sec-Butylbenzene	11.33	105	237824	20.45	ug/l	100
86) p-Isopropyltoluene	11.48	119	213791	20.53	ug/l	100
87) 1,3-Dichlorobenzene	11.42	146	117295	20.30	ug/l	99
88) 1,4-Dichlorobenzene	11.51	146	118764	19.71	ug/l	98
89) n-Butylbenzene	11.89	91	185907	19.35	ug/l	99
90) Hexachloroethane	12.15	117	36135	19.52	ug/l	99
91) 1,2-Dichlorobenzene	11.88	146	117753	20.79	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	12.66	75	18560	20.06	ug/l	99

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Quant Title : SW846 8260
QLast Update : Tue Jul 31 16:07:47 2018
Response via : Initial Calibration

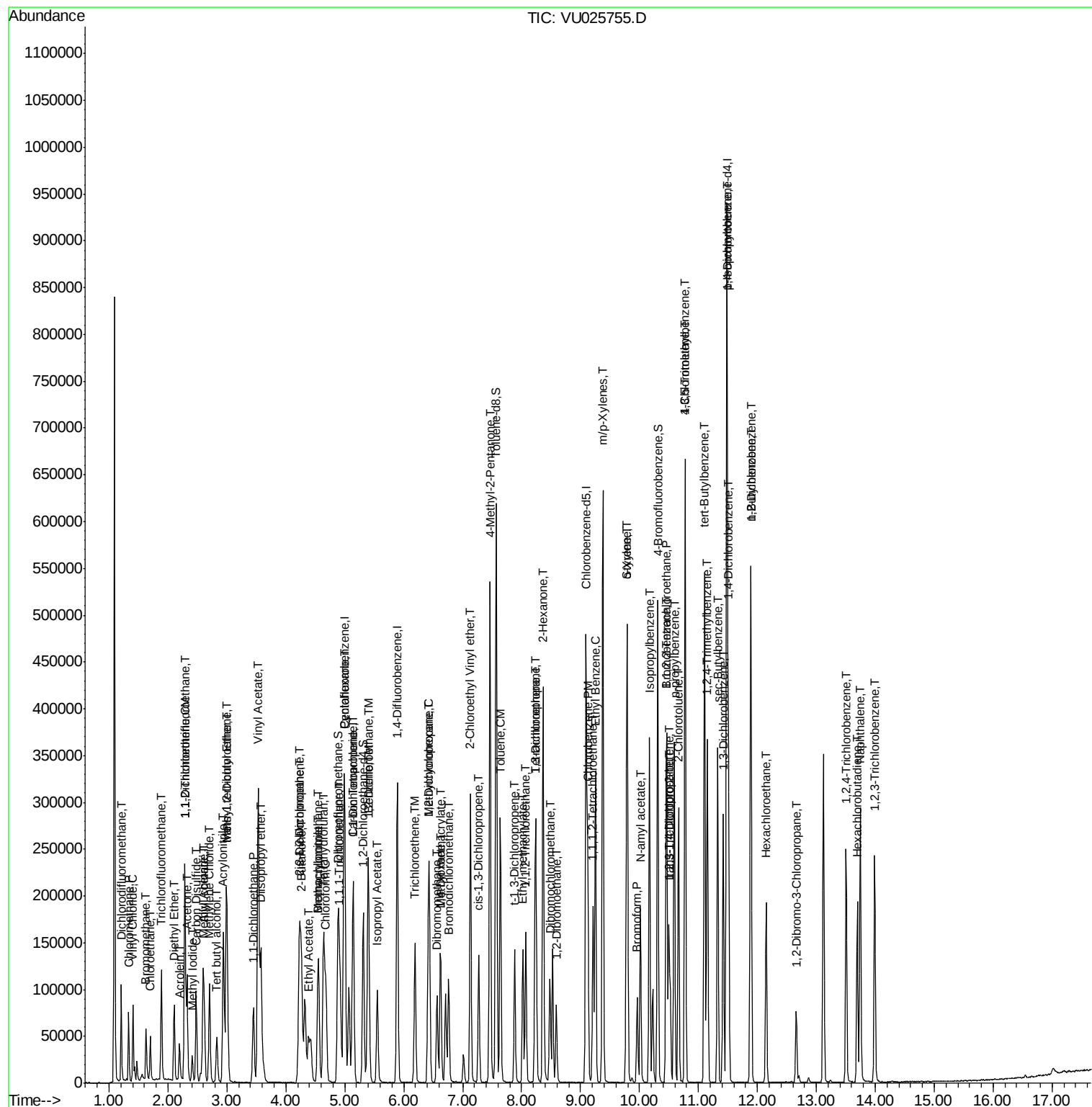
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.51	180	79579	20.82	ug/l	98
94) Hexachlorobutadiene	13.70	225	36392	18.06	ug/l	96
95) Naphthalene	13.74	128	237201	20.08	ug/l	99
96) 1,2,3-Trichlorobenzene	13.99	180	79010	20.72	ug/l	100

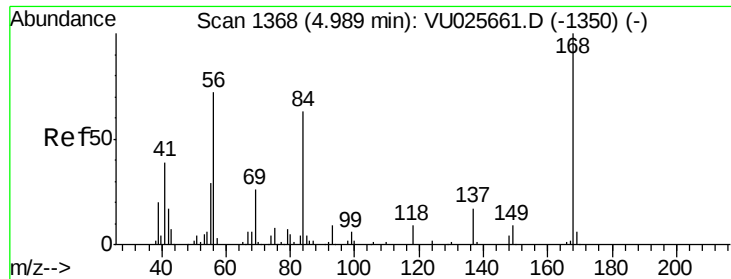
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 4.99 min Scan# 1368

Delta R.T. 0.00 min

Lab File: VU025755.D

Acq: 31 Jul 2018 21:38

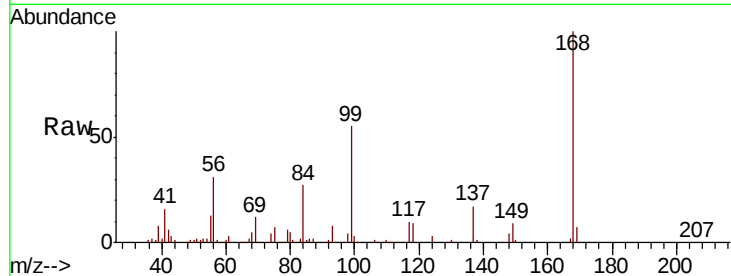
Instrument :
MSVOA_U
ClientSampleId :
VU0801MBS01

Tot Ion:168 Resp: 176717

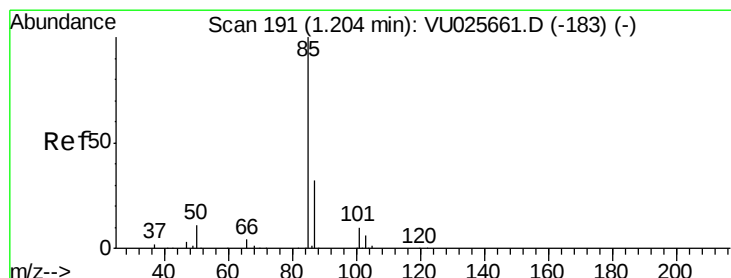
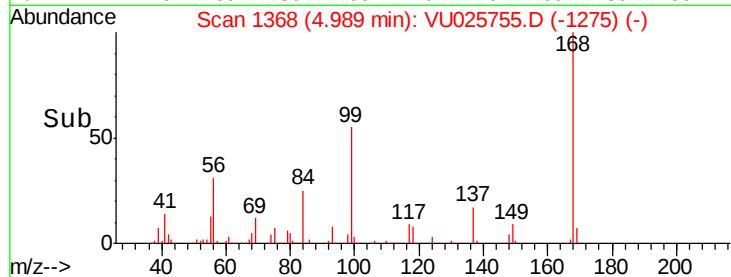
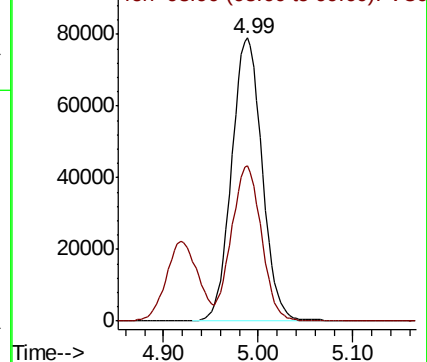
Ion Ratio Lower Upper

168 100

99 55.0 42.8 64.2



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



#2

Dichlorodifluoromethane

Concen: 21.68 ug/l

RT: 1.21 min Scan# 192

Delta R.T. 0.00 min

Lab File: VU025755.D

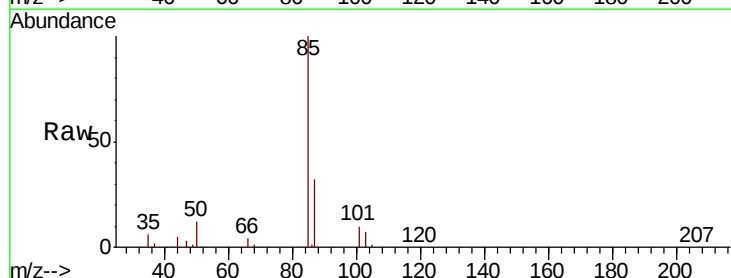
Acq: 31 Jul 2018 21:38

Tgt Ion: 85 Resp: 57899

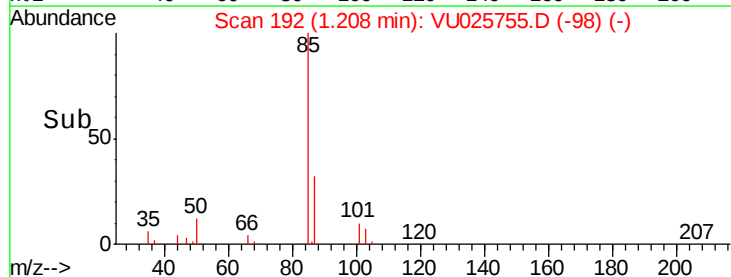
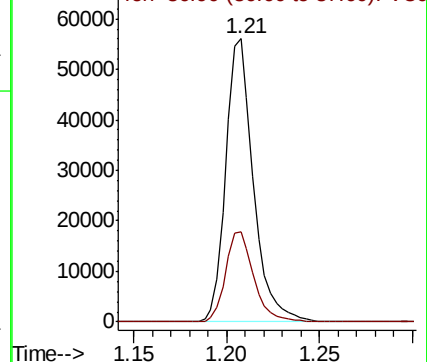
Ion Ratio Lower Upper

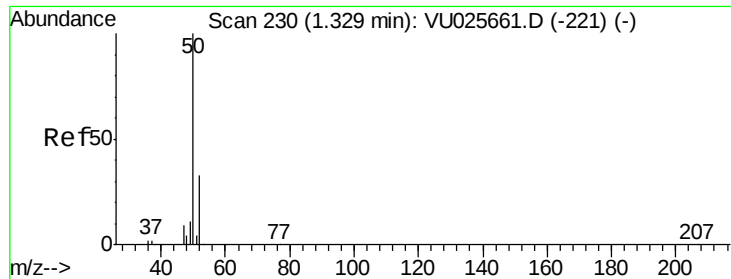
85 100

87 32.0 16.5 49.5



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





#3

Chloromethane

Concen: 19.78 ug/l

RT: 1.33 min Scan# 231

Delta R.T. 0.00 min

Lab File: VU025755.D

Acq: 31 Jul 2018 21:38

Instrument :

MSVOA_U

ClientSampleId :

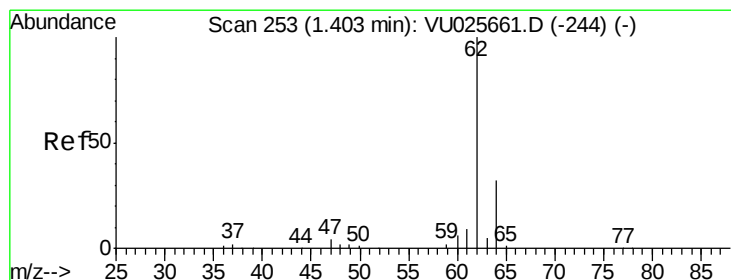
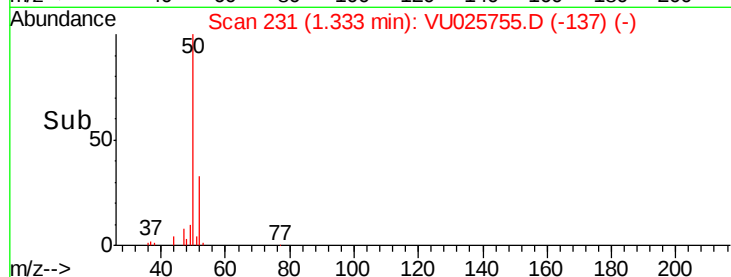
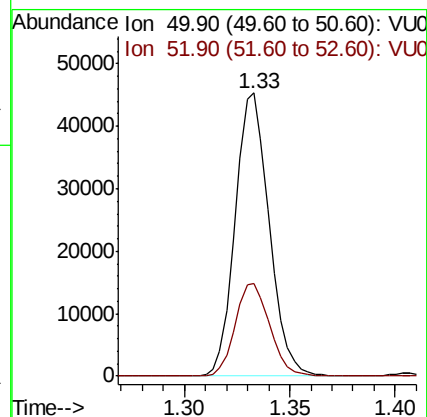
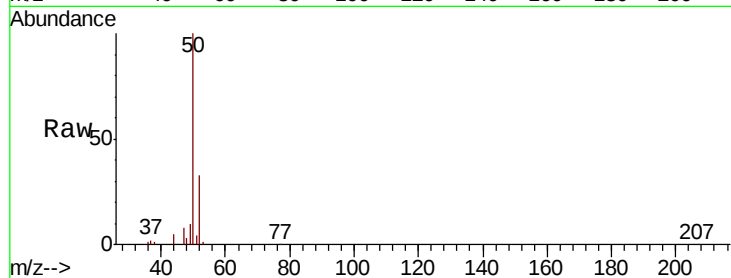
VU0801MBS01

Tot Ion: 50 Resp: 50494

Ion Ratio Lower Upper

50 100

52 32.9 26.5 39.7



#4

Vinyl Chloride

Concen: 20.69 ug/l

RT: 1.41 min Scan# 254

Delta R.T. 0.00 min

Lab File: VU025755.D

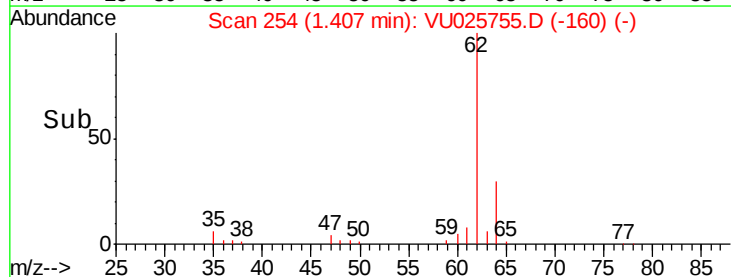
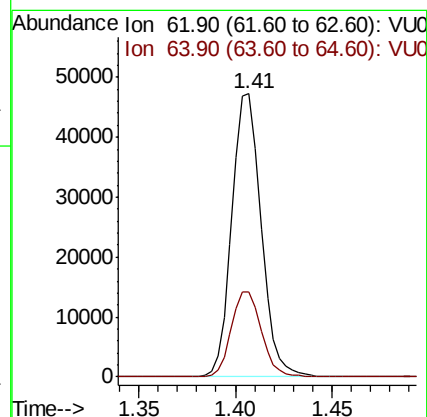
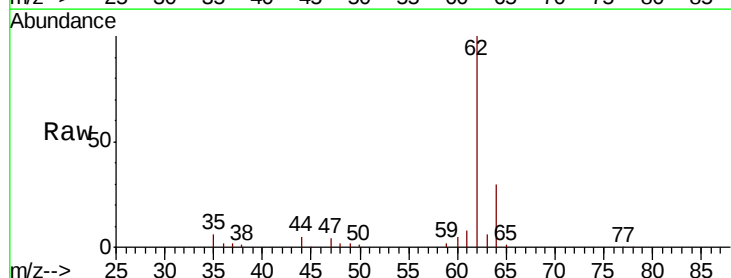
Acq: 31 Jul 2018 21:38

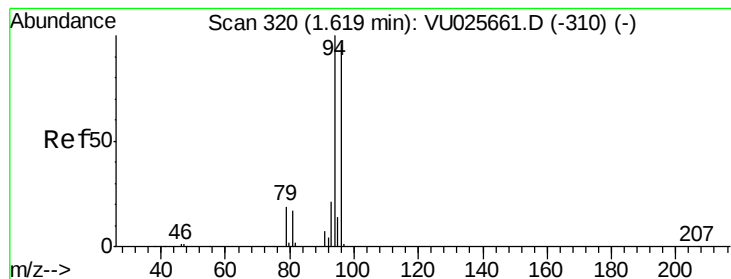
Tgt Ion: 62 Resp: 49714

Ion Ratio Lower Upper

62 100

64 30.2 25.4 38.0





#5

Bromomethane

Concen: 21.30 ug/l

RT: 1.63 min Scan# 323

Delta R.T. 0.01 min

Lab File: VU025755.D

Acq: 31 Jul 2018 21:38

Instrument :

MSVOA_U

ClientSampleId :

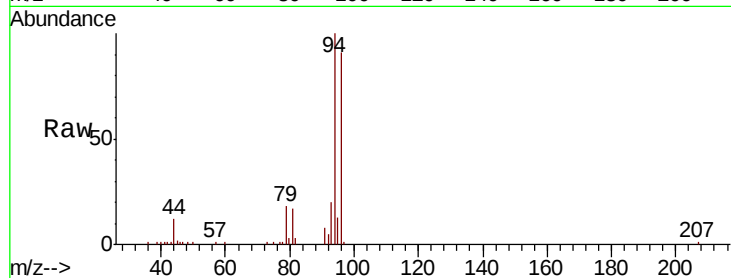
VU0801MBS01

Tot Ion: 94 Resp: 24989

Ion Ratio Lower Upper

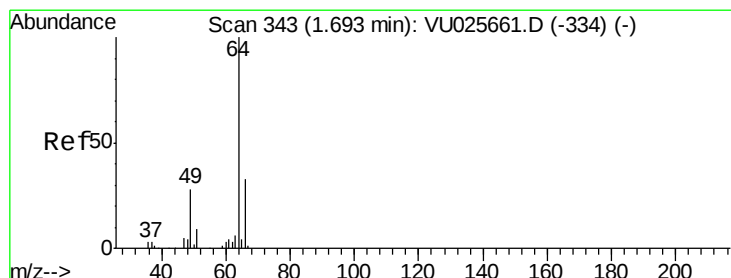
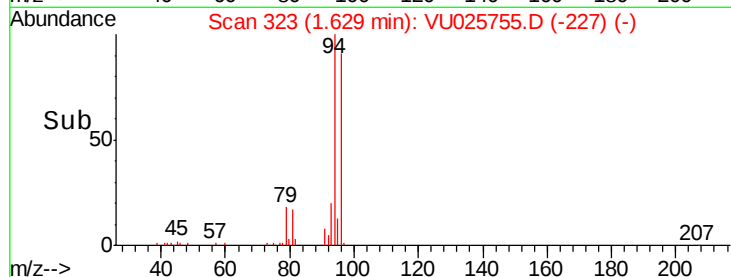
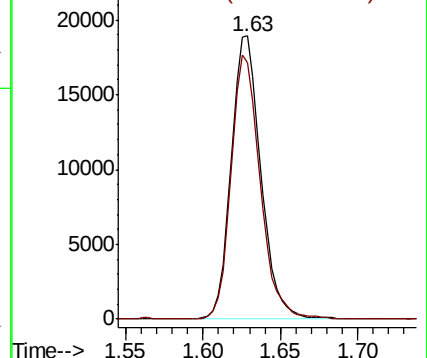
94 100

96 90.7 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: 20.13 ug/l

RT: 1.70 min Scan# 345

Delta R.T. 0.01 min

Lab File: VU025755.D

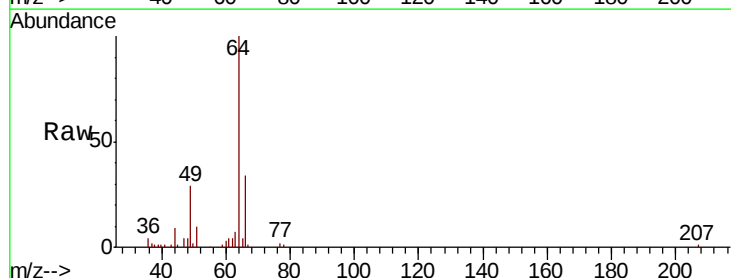
Acq: 31 Jul 2018 21:38

Tgt Ion: 64 Resp: 28278

Ion Ratio Lower Upper

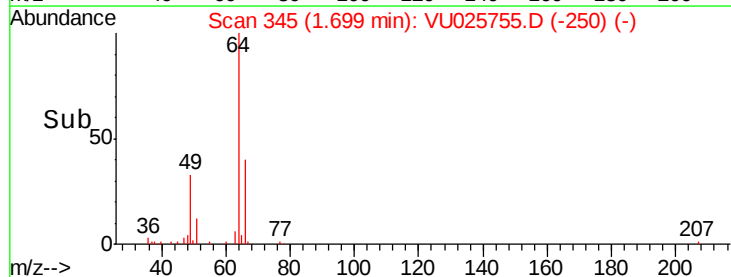
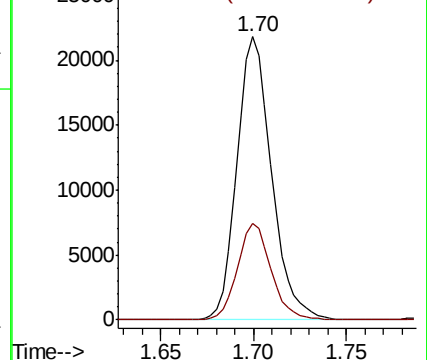
64 100

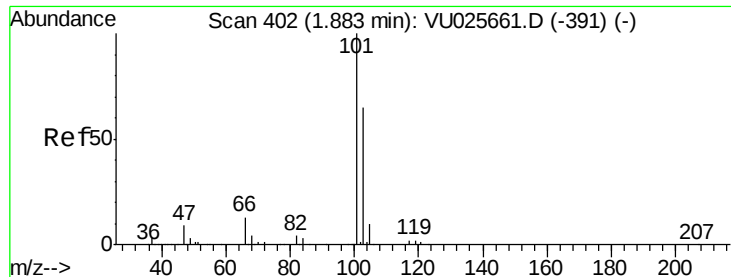
66 34.3 25.0 37.4



Abundance Ion 63.90 (63.60 to 64.60): VU0

Ion 65.90 (65.60 to 66.60): VU0





#7

Trichlorofluoromethane

Concen: 21.06 ug/l

RT: 1.89 min Scan# 403

Delta R.T. 0.00 min

Lab File: VU025755.D

Acq: 31 Jul 2018 21:38

Instrument :

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ClientSampleId :

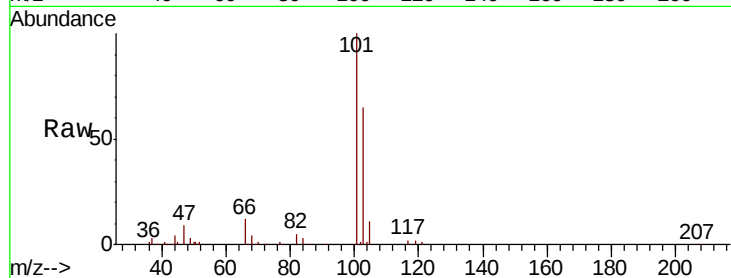
VU0801MBS01

Tot Ion:101 Resp: 73141

Ion Ratio Lower Upper

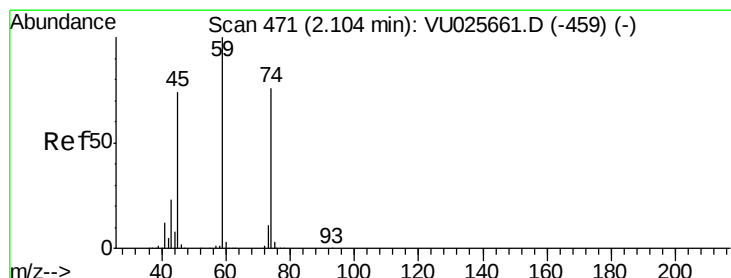
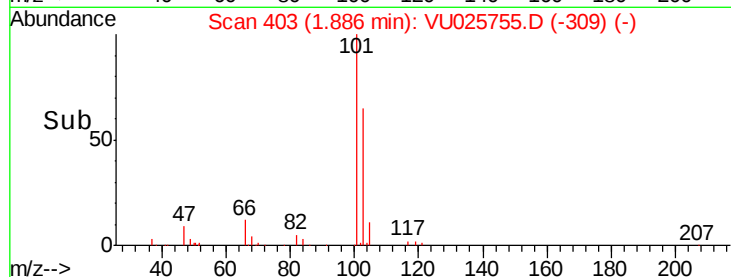
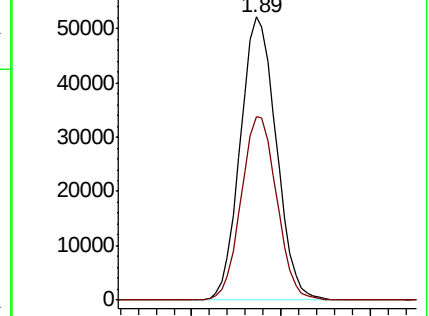
101 100

103 65.0 52.2 78.2



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 102.80 (102.50 to 103.50): V



#8

Diethyl Ether

Concen: 21.28 ug/l

RT: 2.10 min Scan# 471

Delta R.T. 0.00 min

Lab File: VU025755.D

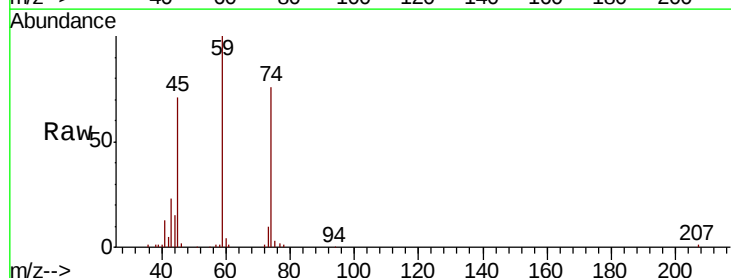
Acq: 31 Jul 2018 21:38

Tgt Ion: 74 Resp: 26751

Ion Ratio Lower Upper

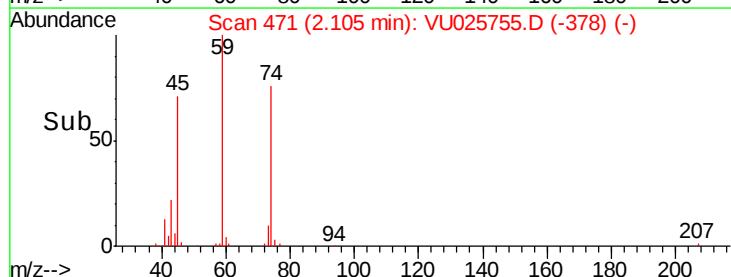
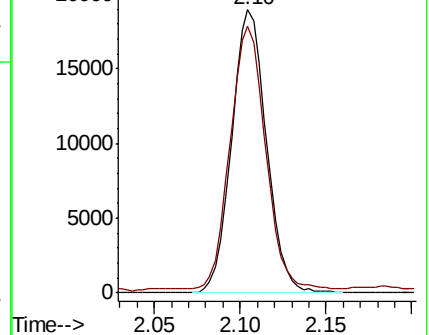
74 100

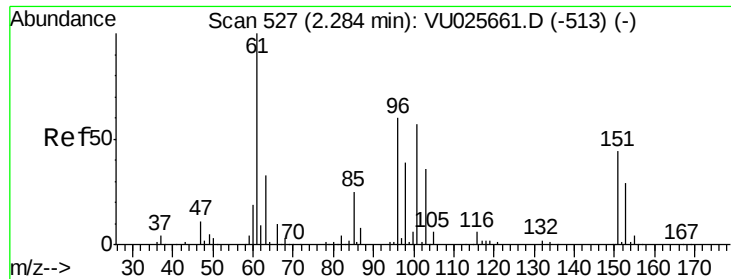
45 94.2 48.3 144.9



Abundance Ion 74.00 (73.70 to 74.70): VU0

Ion 45.00 (44.70 to 45.70): VU0

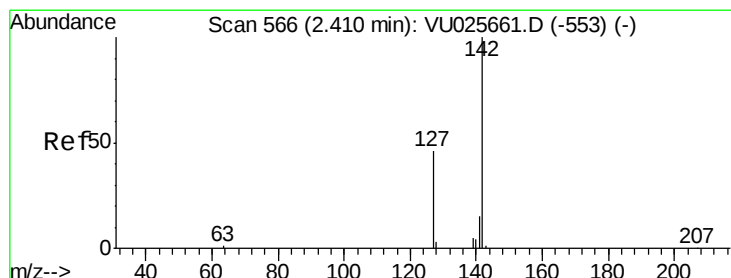
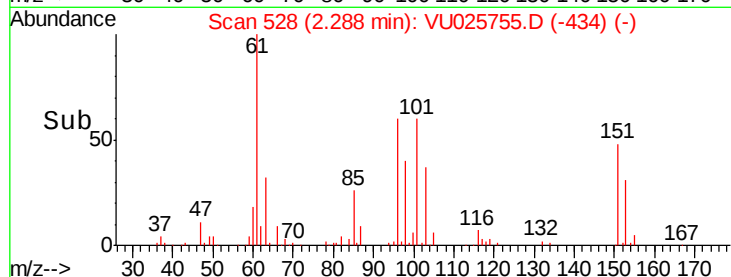
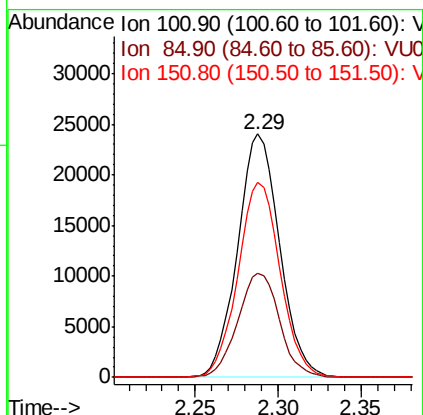
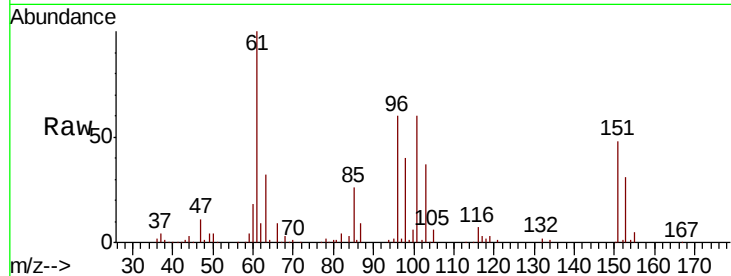




#9
 1,1,2-Trichlorotrifluoroethane
 Concen: 21.08 ug/l
 RT: 2.29 min Scan# 528
 Delta R.T. 0.00 min
 Lab File: VU025755.D
 Acq: 31 Jul 2018 21:38

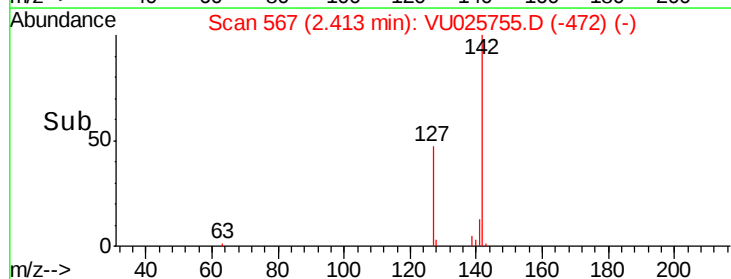
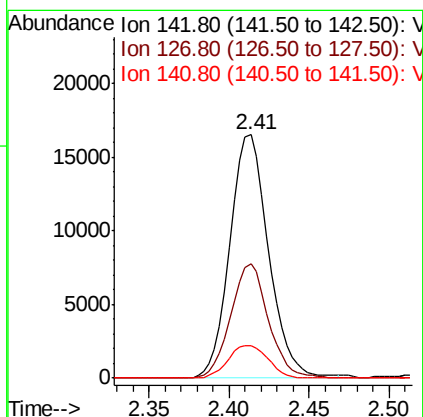
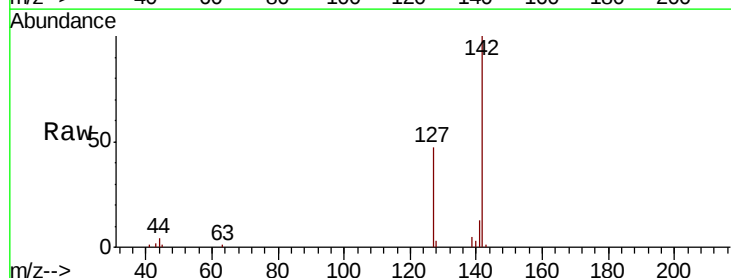
Instrument :
 MSVOA_U
 ClientSampleId :
 VU0801MBS01

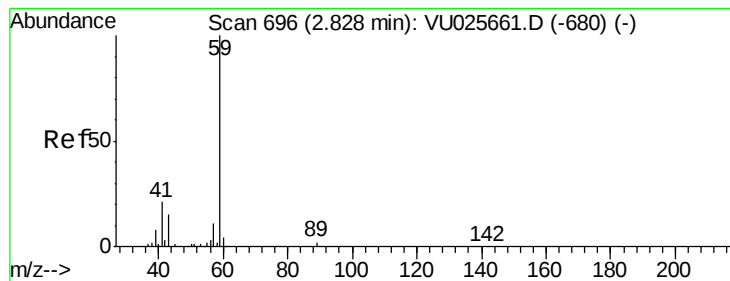
Tot Ion	Ratio	Lower	Upper
101	100		
85	42.4	36.0	54.0
151	80.7	65.6	98.4



#10
 Methyl Iodide
 Concen: 20.63 ug/l
 RT: 2.41 min Scan# 567
 Delta R.T. 0.00 min
 Lab File: VU025755.D
 Acq: 31 Jul 2018 21:38

Tgt Ion	Ratio	Lower	Upper
142	100		
127	45.5	36.5	54.7
141	13.7	11.4	17.2



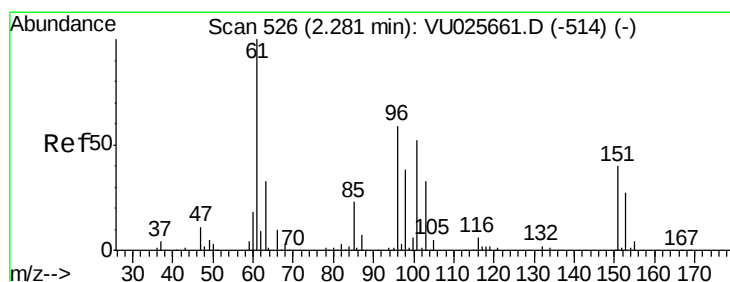
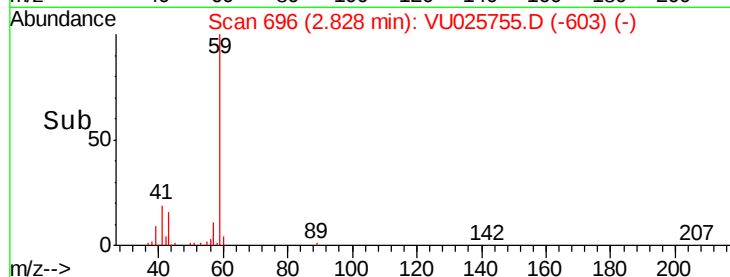
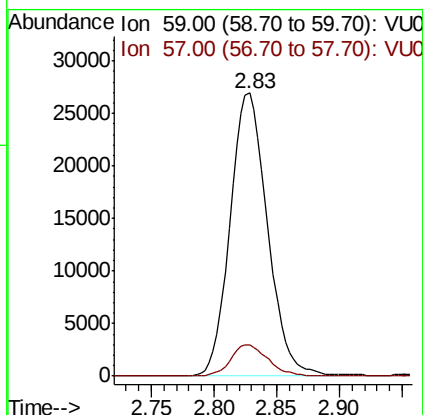
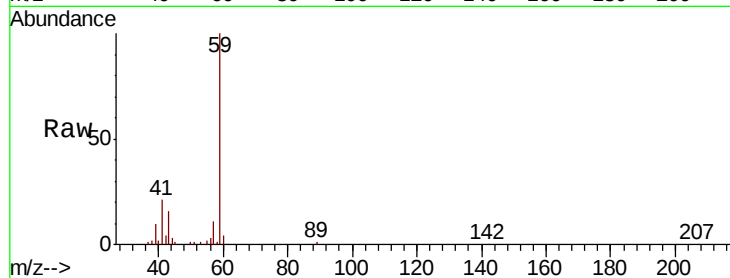


#11

Tert butyl alcohol
 Concen: 92.37 ug/l
 RT: 2.83 min Scan# 696
 Delta R.T. 0.00 min
 Lab File: VU025755.D
 Acq: 31 Jul 2018 21:38

Instrument :
 MSVOA_U
 ClientSampleId :
 VU0801MBS01

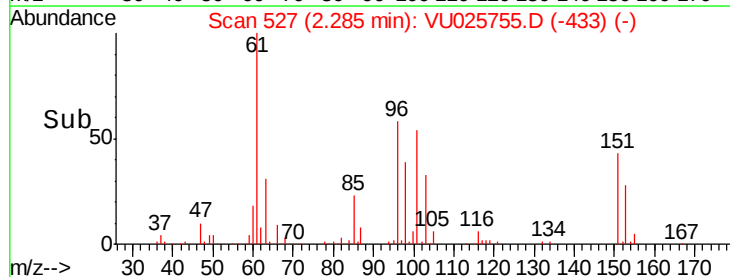
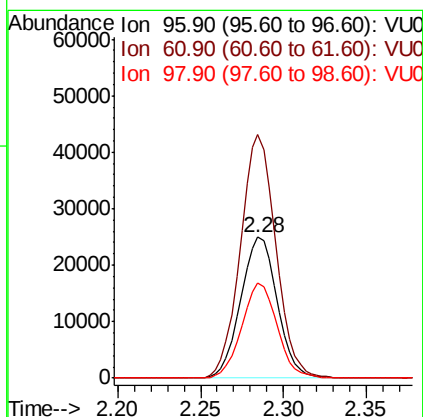
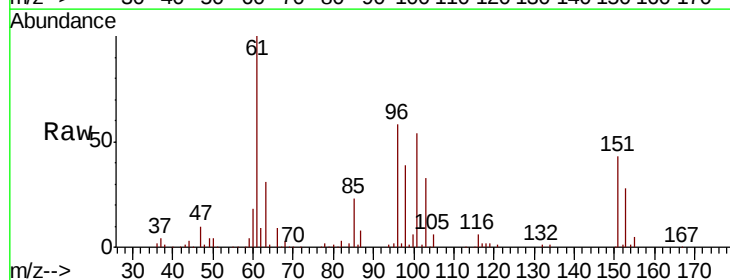
Tot Ion: 59 Resp: 55683
 Ion Ratio Lower Upper
 59 100
 57 11.0 8.2 12.2

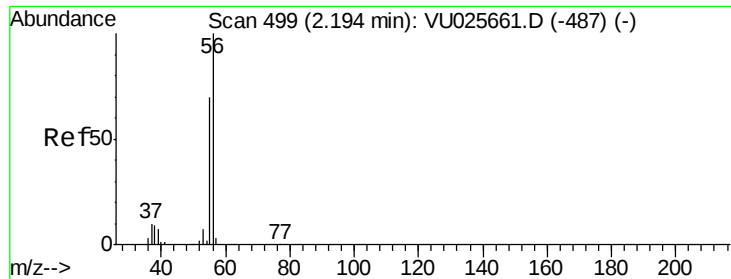


#12

1,1-Dichloroethene
 Concen: 20.18 ug/l
 RT: 2.28 min Scan# 527
 Delta R.T. 0.00 min
 Lab File: VU025755.D
 Acq: 31 Jul 2018 21:38

Tgt Ion: 96 Resp: 38298
 Ion Ratio Lower Upper
 96 100
 61 172.9 140.2 210.4
 98 67.1 49.3 73.9





#13

Acrolein

Concen: 119.58 ug/l

RT: 2.19 min Scan# 499

Delta R.T. 0.00 min

Lab File: VU025755.D

Acq: 31 Jul 2018 21:38

Instrument :

MSVOA_U

ClientSampleId :

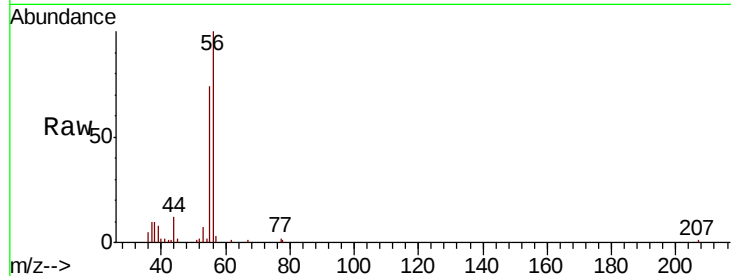
VU0801MBS01

Tot Ion: 56 Resp: 26338

Ion Ratio Lower Upper

56 100

55 75.0 57.2 85.8



Abundance Ion 56.00 (55.70 to 56.70): VU025661.D (-487) (-)

Ion 55.00 (54.70 to 55.70): VU025661.D (-487) (-)

2.19

15000

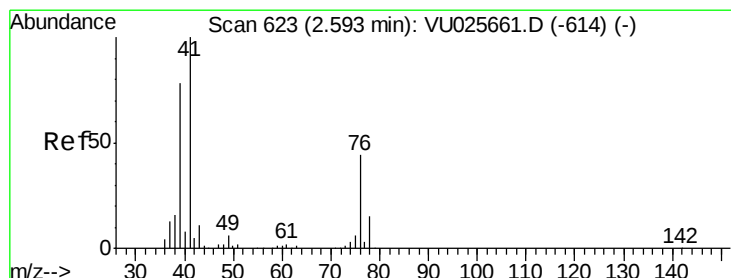
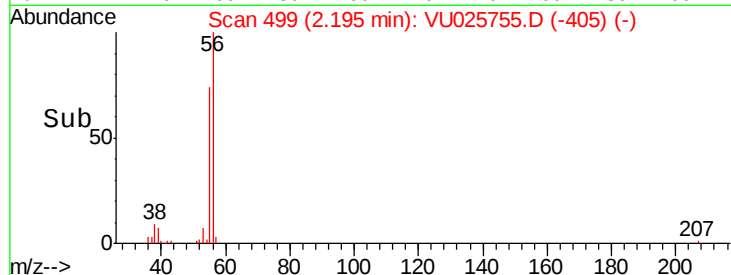
10000

5000

0

2.15 2.20 2.25

Time-->



#14

Allyl chloride

Concen: 19.35 ug/l

RT: 2.59 min Scan# 623

Delta R.T. 0.00 min

Lab File: VU025755.D

Acq: 31 Jul 2018 21:38

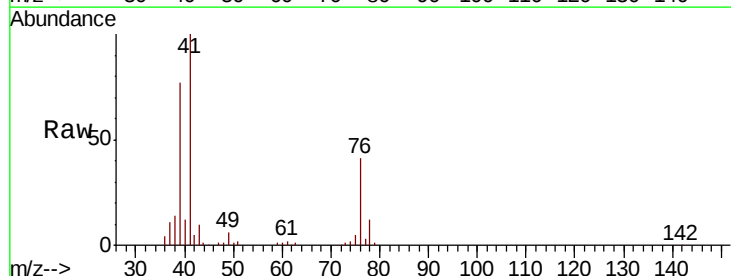
Tgt Ion: 41 Resp: 65983

Ion Ratio Lower Upper

41 100

39 76.4 60.6 91.0

76 39.1 30.5 45.7



Abundance Ion 41.00 (40.70 to 41.70): VU025661.D (-614) (-)

Ion 39.00 (38.70 to 39.70): VU025661.D (-614) (-)

Ion 75.90 (75.60 to 76.60): VU025661.D (-614) (-)

2.59

50000

40000

30000

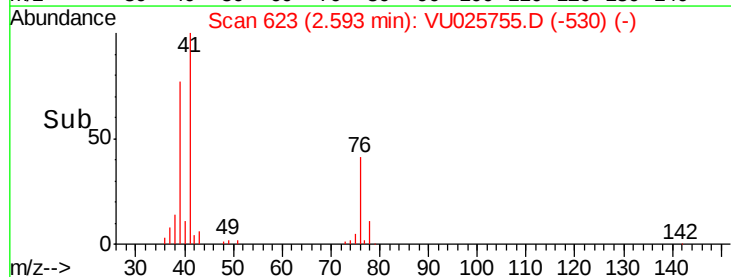
20000

10000

0

2.55 2.60 2.65

Time-->





#15

Acrylonitrile

Concen: 105.43 ug/l

RT: 2.94 min Scan# 730

Delta R.T. 0.00 min

Lab File: VU025755.D

Acq: 31 Jul 2018 21:38

Instrument :

MSVOA_U

ClientSampleId :

VU0801MBS01

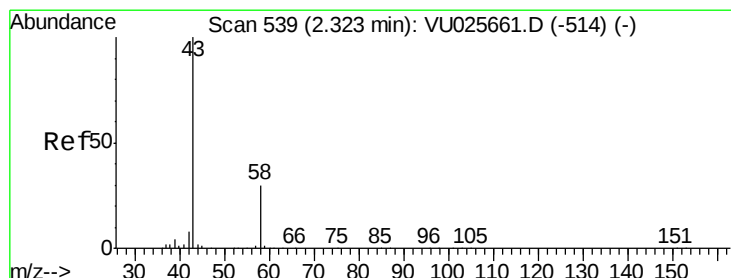
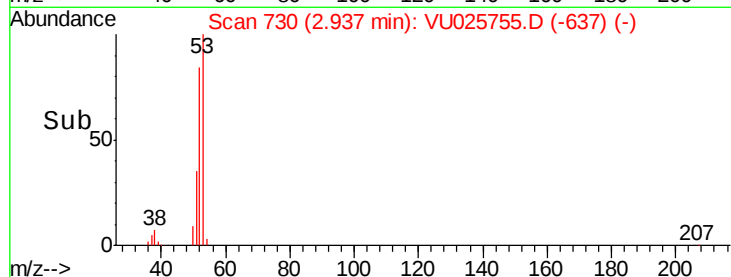
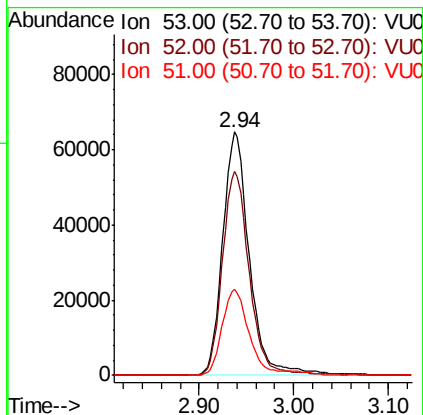
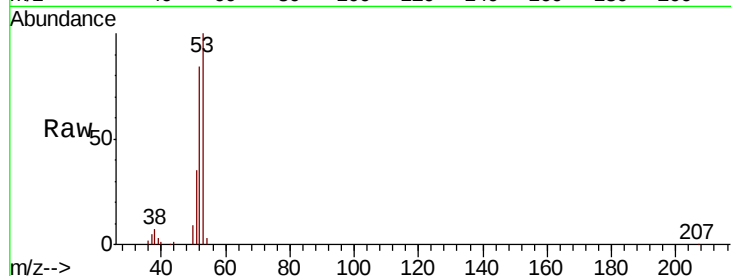
Tot Ion: 53 Resp: 126902

Ion Ratio Lower Upper

53 100

52 84.1 66.6 99.8

51 35.1 29.4 44.2



#16

Acetone

Concen: 86.72 ug/l

RT: 2.32 min Scan# 539

Delta R.T. 0.00 min

Lab File: VU025755.D

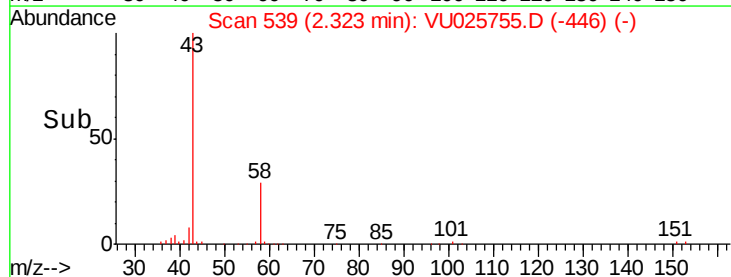
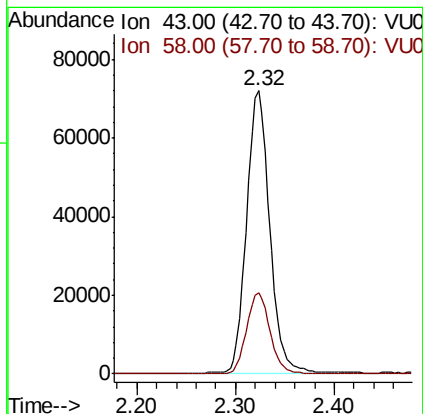
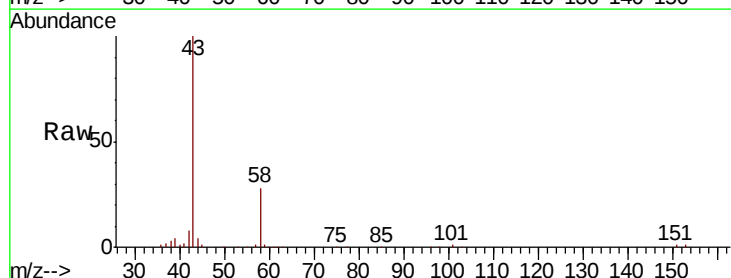
Acq: 31 Jul 2018 21:38

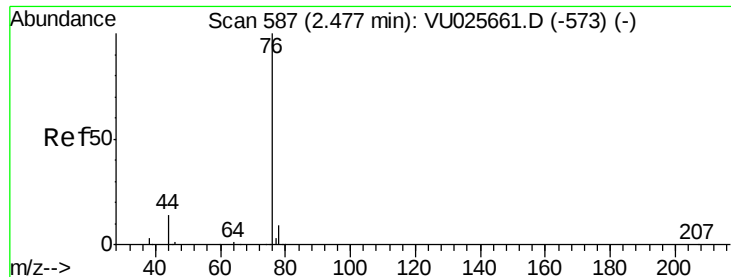
Tgt Ion: 43 Resp: 116420

Ion Ratio Lower Upper

43 100

58 28.5 23.1 34.7

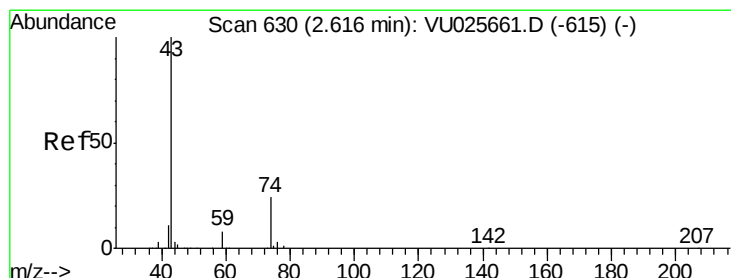
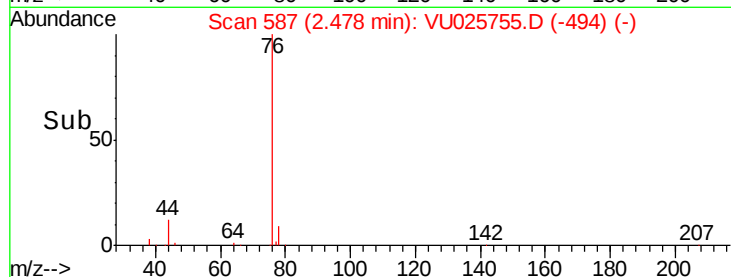
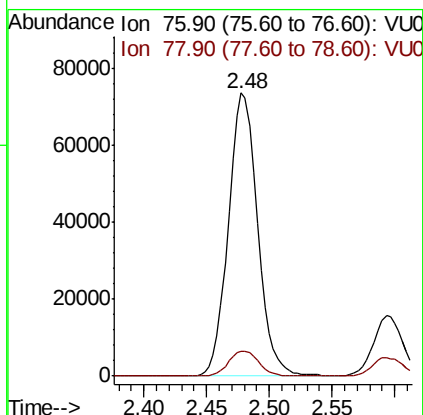
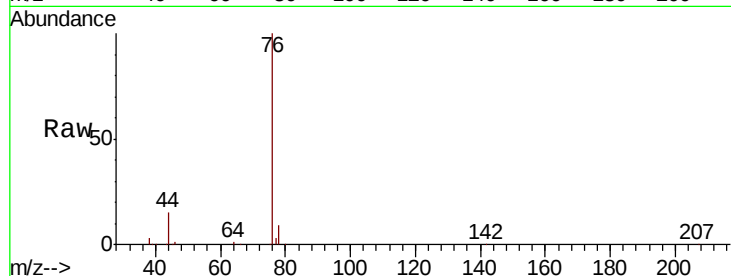




#17
Carbon Disulfide
Concen: 19.44 ug/l
RT: 2.48 min Scan# 587
Delta R.T. 0.00 min
Lab File: VU025755.D
Acq: 31 Jul 2018 21:38

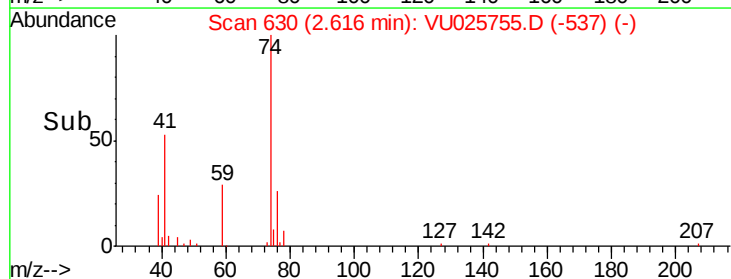
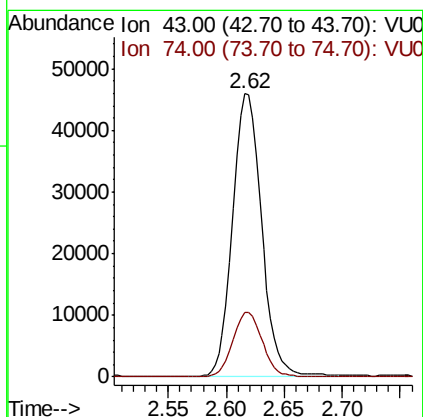
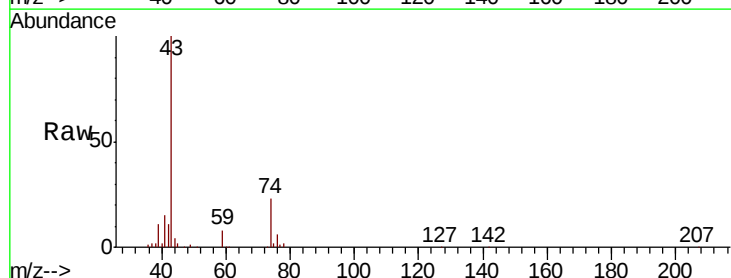
Instrument :
MSVOA_U
ClientSampleId :
VU0801MBS01

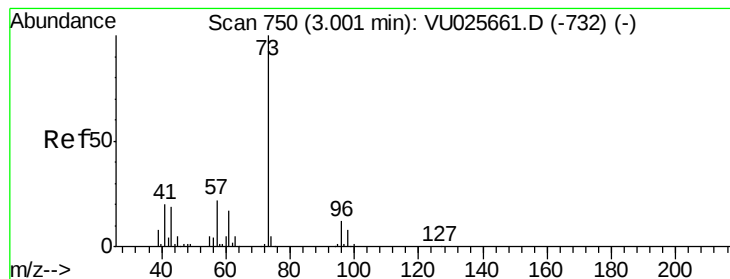
Tot Ion: 76 Resp: 119407
Ion Ratio Lower Upper
76 100
78 8.9 7.4 11.2



#18
Methyl Acetate
Concen: 24.79 ug/l
RT: 2.62 min Scan# 630
Delta R.T. 0.00 min
Lab File: VU025755.D
Acq: 31 Jul 2018 21:38

Tgt Ion: 43 Resp: 80110
Ion Ratio Lower Upper
43 100
74 22.9 18.5 27.7



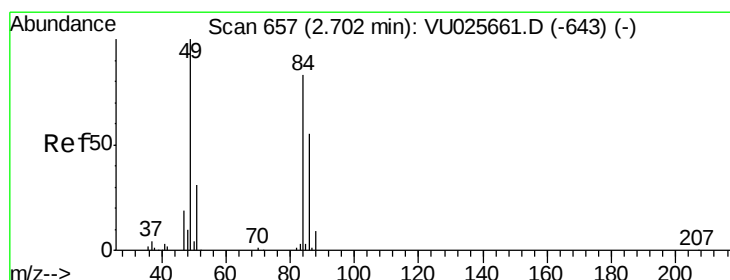
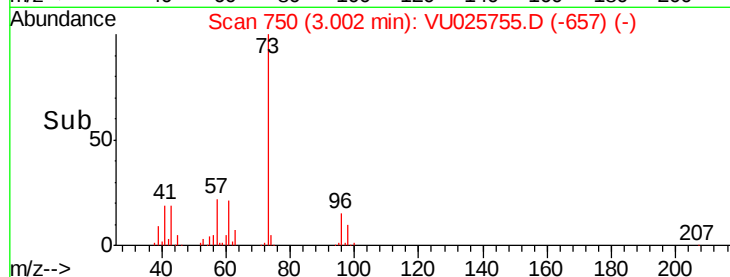
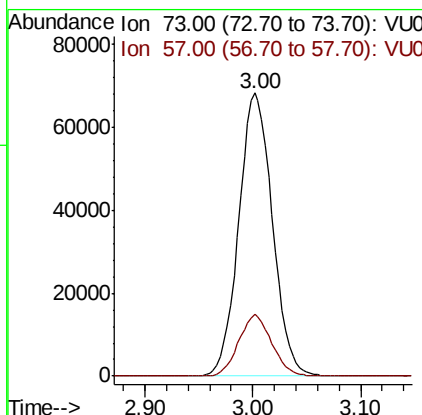
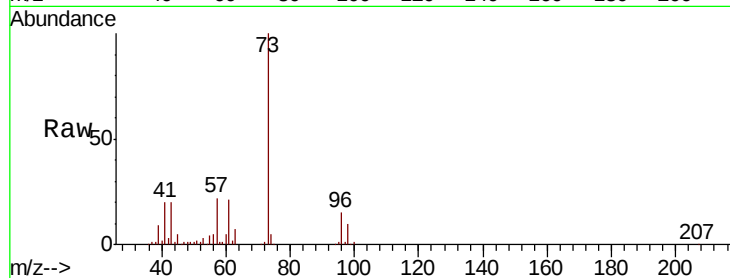


#19

Methyl tert-butyl Ether
 Concen: 21.58 ug/l
 RT: 3.00 min Scan# 750
 Delta R.T. 0.00 min
 Lab File: VU025755.D
 Acq: 31 Jul 2018 21:38

Instrument :
 MSVOA_U
 ClientSampleId :
 VU0801MBS01

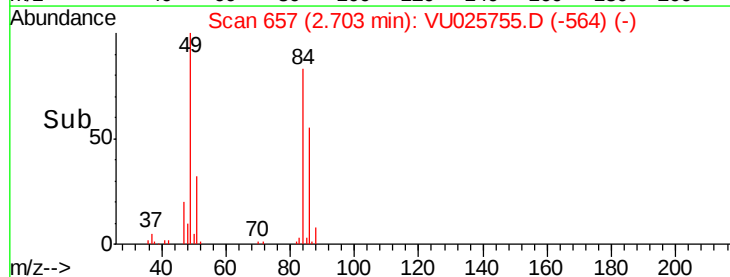
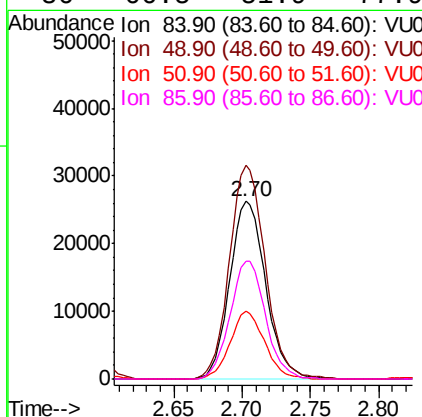
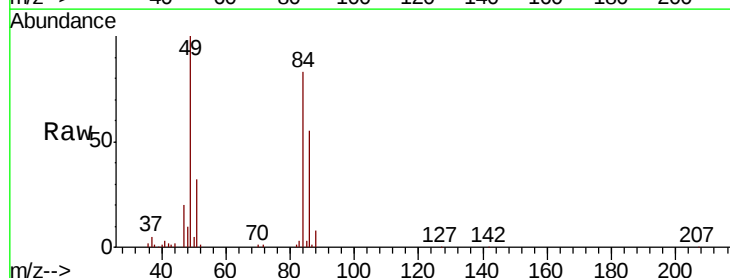
Tot Ion: 73 Resp: 148408
 Ion Ratio Lower Upper
 73 100
 57 21.7 17.4 26.2

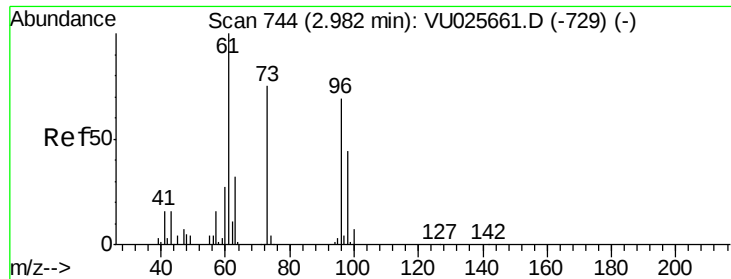


#20

Methylene Chloride
 Concen: 20.30 ug/l
 RT: 2.70 min Scan# 657
 Delta R.T. 0.00 min
 Lab File: VU025755.D
 Acq: 31 Jul 2018 21:38

Tgt Ion: 84 Resp: 48284
 Ion Ratio Lower Upper
 84 100
 49 120.3 101.8 152.6
 51 38.0 30.8 46.2
 86 66.5 51.9 77.9





#21

trans-1,2-Dichloroethene

Concen: 20.67 ug/l

RT: 2.99 min Scan# 745

Delta R.T. 0.00 min

Lab File: VU025755.D

Acq: 31 Jul 2018 21:38

Instrument :

MSVOA_U

ClientSampleId :

VU0801MBS01

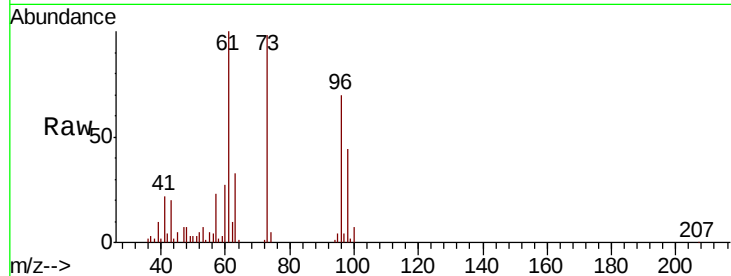
Tot Ion: 96 Resp: 45341

Ion Ratio Lower Upper

96 100

61 142.1 114.5 171.7

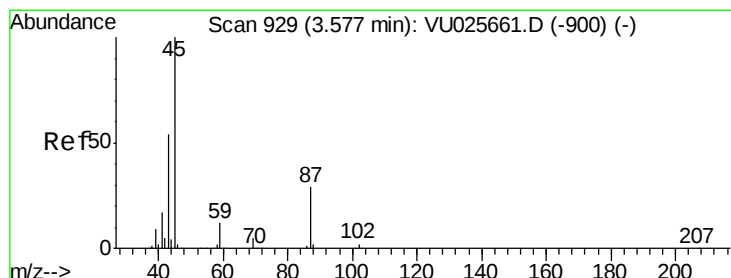
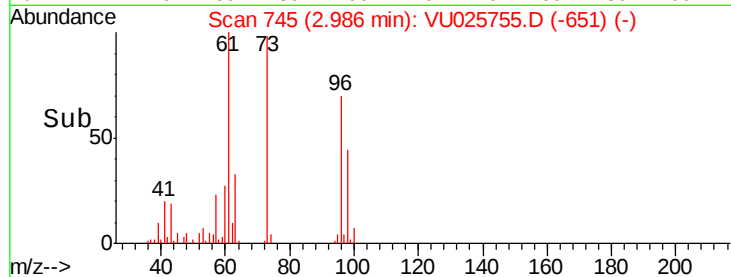
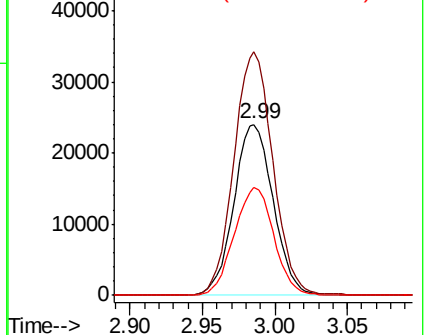
98 62.7 50.5 75.7



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: 21.34 ug/l

RT: 3.57 min Scan# 928

Delta R.T. -0.00 min

Lab File: VU025755.D

Acq: 31 Jul 2018 21:38

Tgt Ion: 45 Resp: 143385

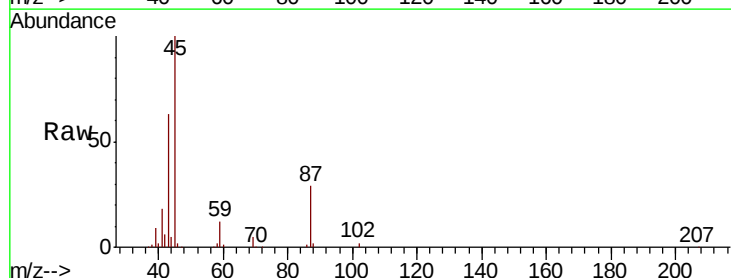
Ion Ratio Lower Upper

45 100

43 61.2 50.9 76.3

87 29.0 23.8 35.8

59 11.6 9.0 13.4

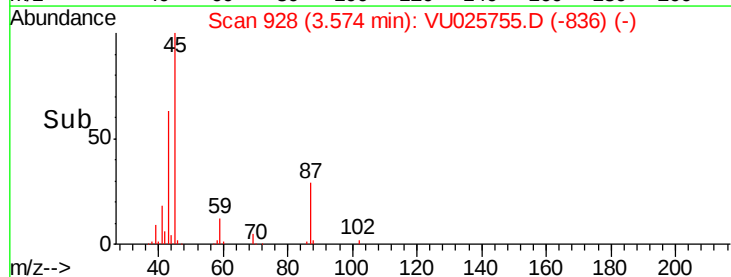
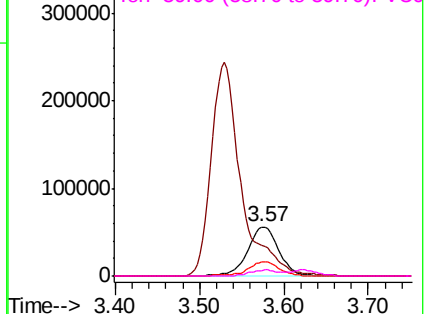


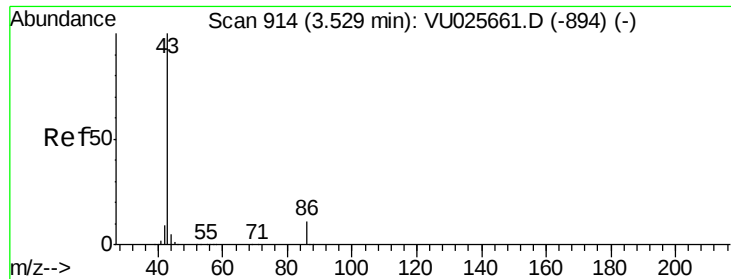
Abundance Ion 45.00 (44.70 to 45.70): VU0

Ion 43.00 (42.70 to 43.70): VU0

Ion 87.00 (86.70 to 87.70): VU0

Ion 59.00 (58.70 to 59.70): VU0





#23

Vinyl Acetate

Concen: 102.82 ug/l

RT: 3.53 min Scan# 914

Delta R.T. 0.00 min

Lab File: VU025755.D

Acq: 31 Jul 2018 21:38

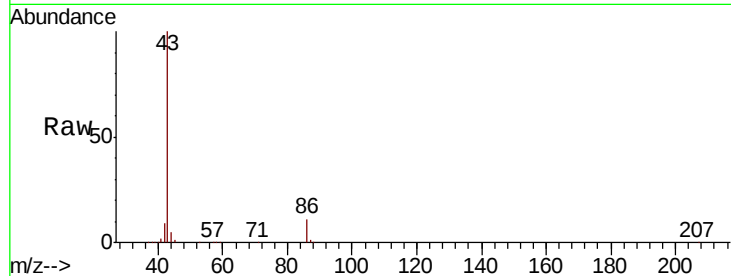
Instrument :
MSVOA_U
ClientSampled :
VU0801MBS01

Tot Ion: 43 Resp: 602071

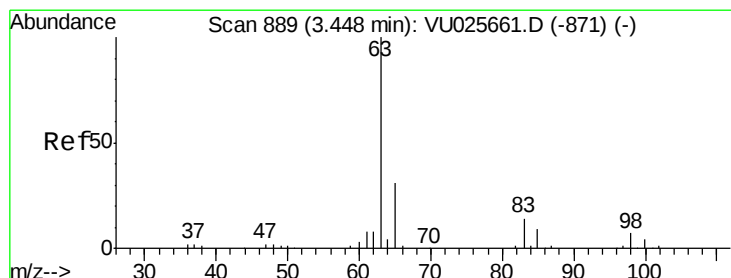
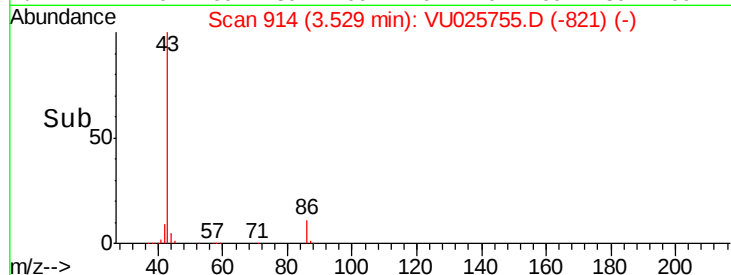
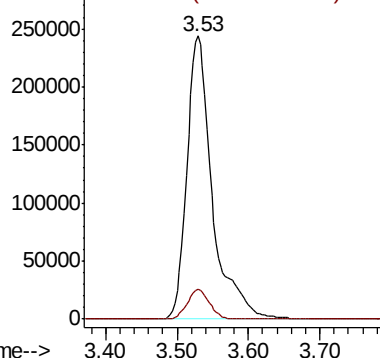
Ion Ratio Lower Upper

43 100

86 10.5 8.2 12.2



Abundance Ion 43.00 (42.70 to 43.70): VU0
Ion 86.00 (85.70 to 86.70): VU0



#24

1,1-Dichloroethane

Concen: 21.22 ug/l

RT: 3.45 min Scan# 889

Delta R.T. 0.00 min

Lab File: VU025755.D

Acq: 31 Jul 2018 21:38

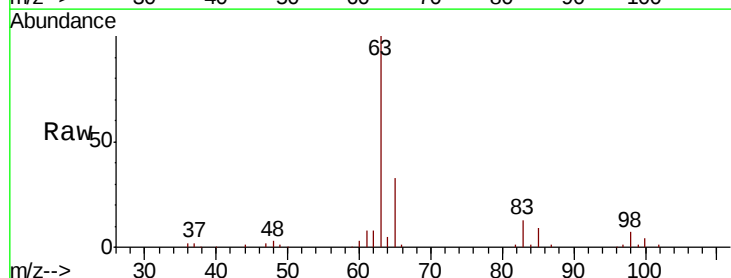
Tgt Ion: 63 Resp: 85590

Ion Ratio Lower Upper

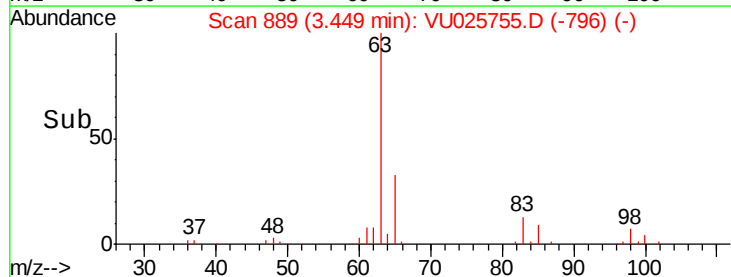
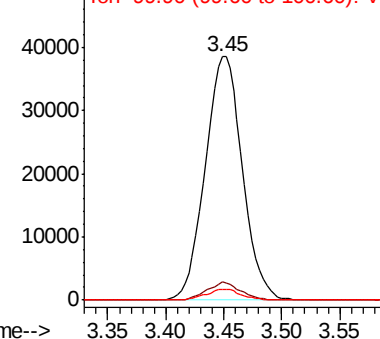
63 100

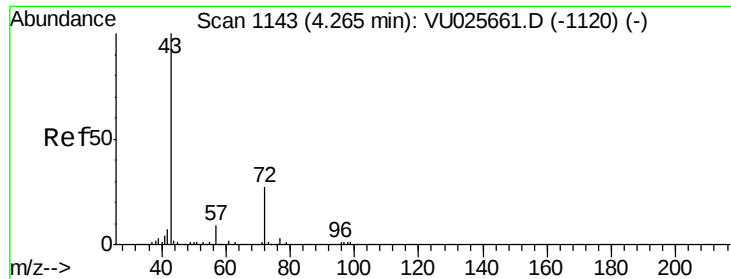
98 7.4 3.4 10.1

100 4.4 2.0 6.0



Abundance Ion 62.90 (62.60 to 63.60): VU0
Ion 97.90 (97.60 to 98.60): VU0
Ion 99.90 (99.60 to 100.60): VU0





#25

2-Butanone

Concen: 98.51 ug/l

RT: 4.27 min Scan# 1143

Delta R.T. 0.00 min

Lab File: VU025755.D

Acq: 31 Jul 2018 21:38

Instrument :

MSVOA_U

ClientSampleId :

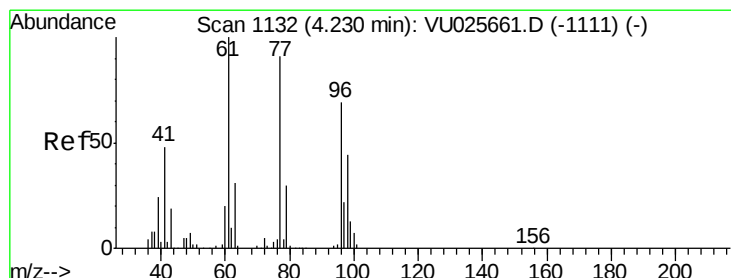
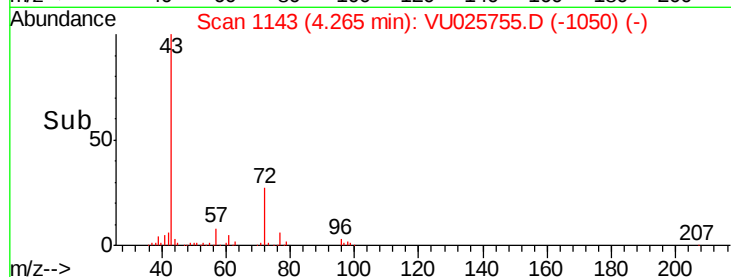
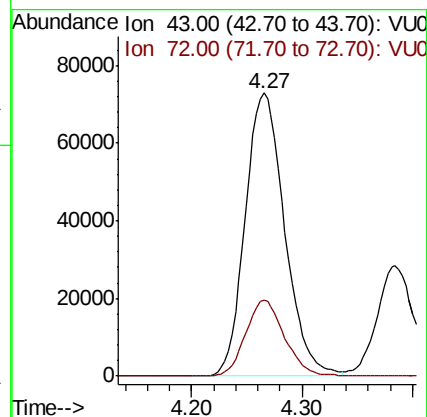
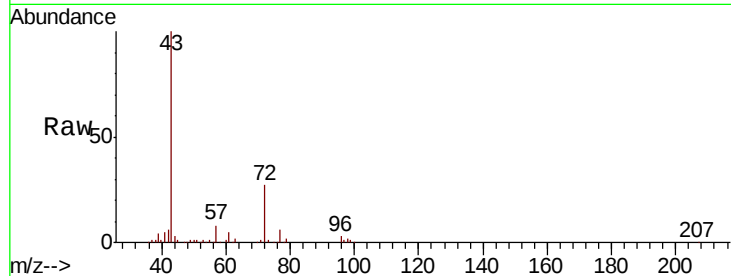
VU0801MBS01

Tot Ion: 43 Resp: 180016

Ion Ratio Lower Upper

43 100

72 27.0 21.0 31.4



#26

2,2-Dichloropropane

Concen: 17.99 ug/l

RT: 4.23 min Scan# 1132

Delta R.T. 0.00 min

Lab File: VU025755.D

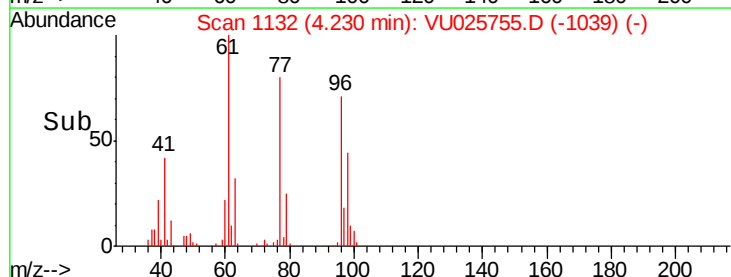
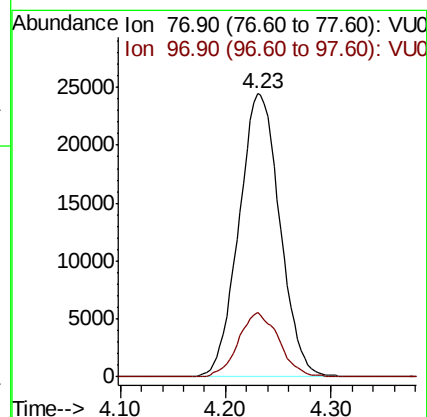
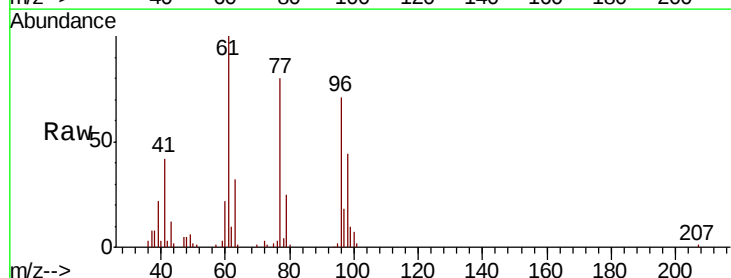
Acq: 31 Jul 2018 21:38

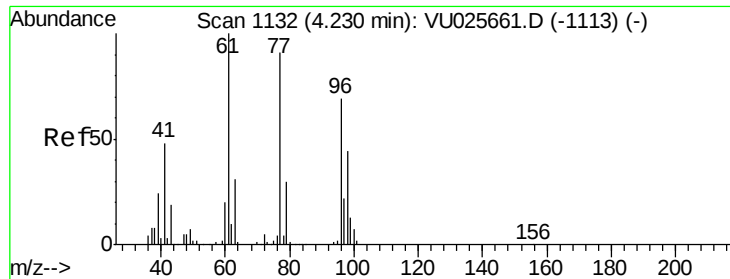
Tgt Ion: 77 Resp: 65955

Ion Ratio Lower Upper

77 100

97 22.5 11.2 33.5

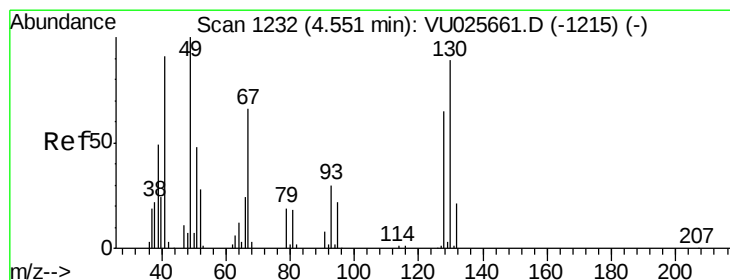
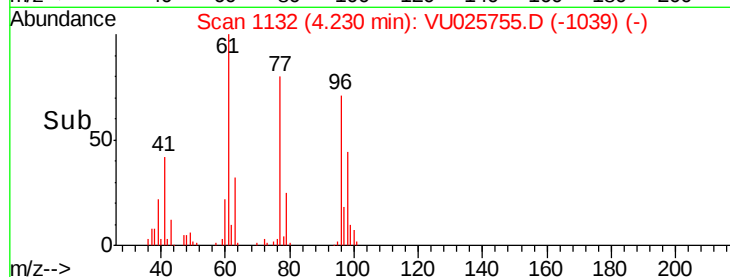
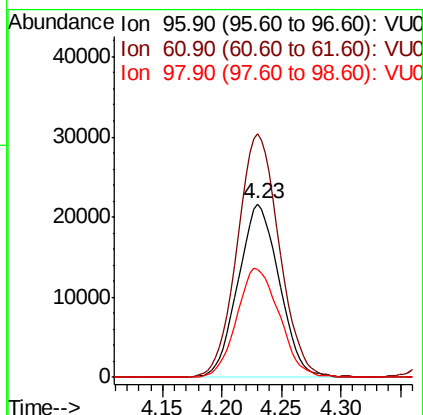
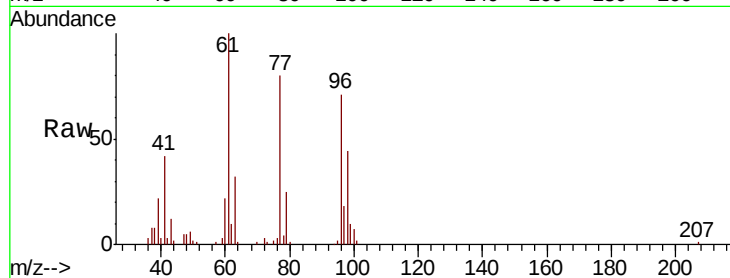




#27
 cis-1,2-Dichloroethene
 Concen: 21.01 ug/l
 RT: 4.23 min Scan# 1132
 Delta R.T. 0.00 min
 Lab File: VU025755.D
 Acq: 31 Jul 2018 21:38

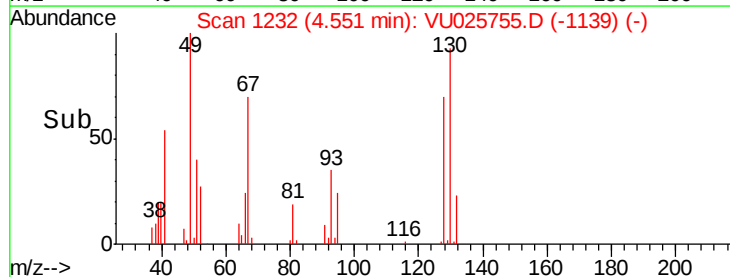
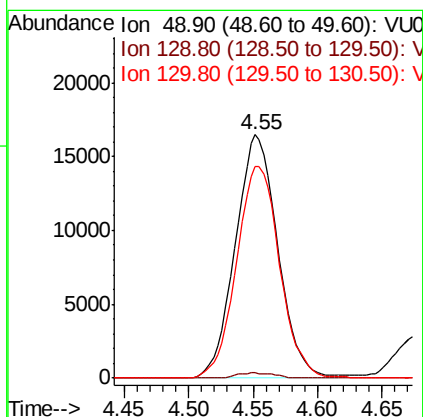
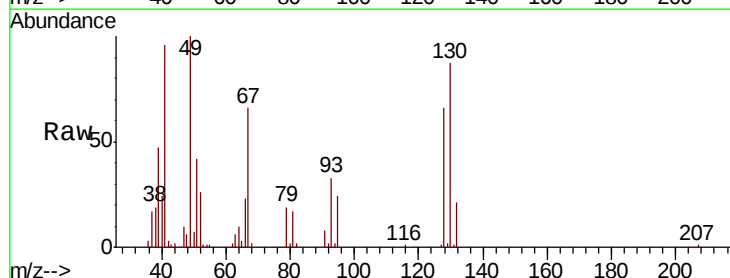
Instrument :
 MSVOA_U
 ClientSampleId :
 VU0801MBS01

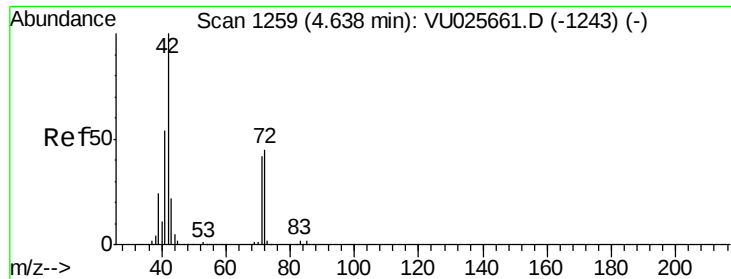
Tot Ion: 96 Resp: 51965
 Ion Ratio Lower Upper
 96 100
 61 142.6 0.0 299.8
 98 65.0 0.0 128.6



#28
 Bromochloromethane
 Concen: 20.90 ug/l
 RT: 4.55 min Scan# 1232
 Delta R.T. 0.00 min
 Lab File: VU025755.D
 Acq: 31 Jul 2018 21:38

Tgt Ion: 49 Resp: 37700
 Ion Ratio Lower Upper
 49 100
 129 1.3 0.0 4.6
 130 88.3 68.6 102.8

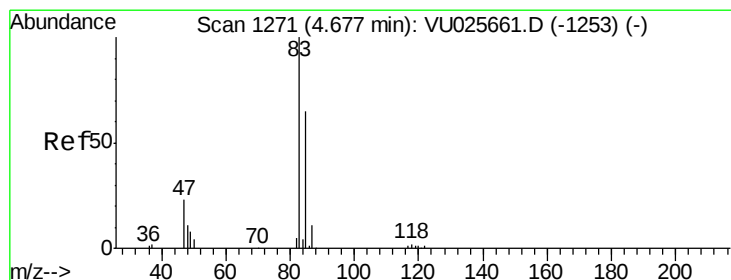
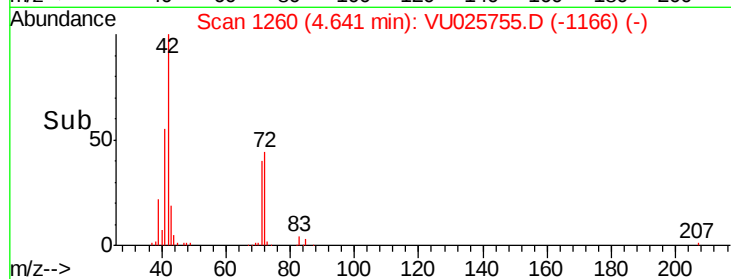
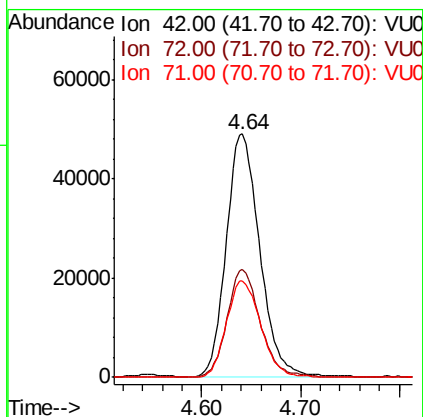
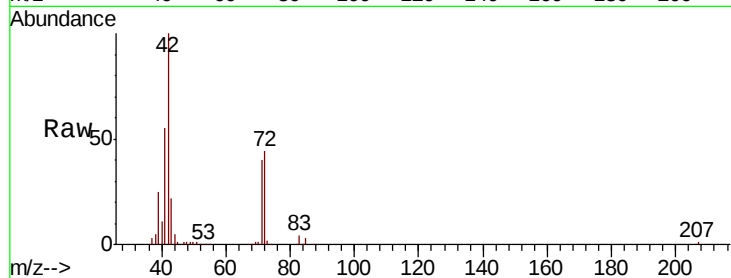




#29
Tetrahydrofuran
Concen: 106.79 ug/l
RT: 4.64 min Scan# 1260
Delta R.T. 0.00 min
Lab File: VU025755.D
Acq: 31 Jul 2018 21:38

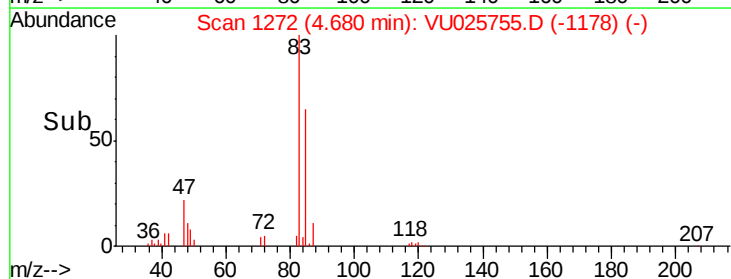
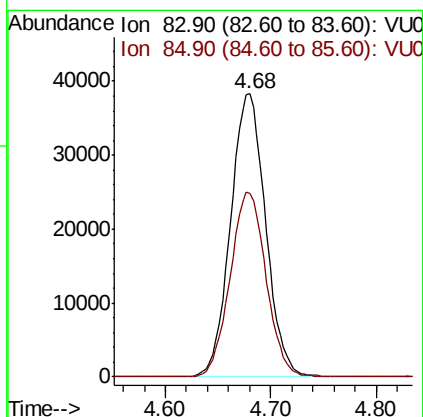
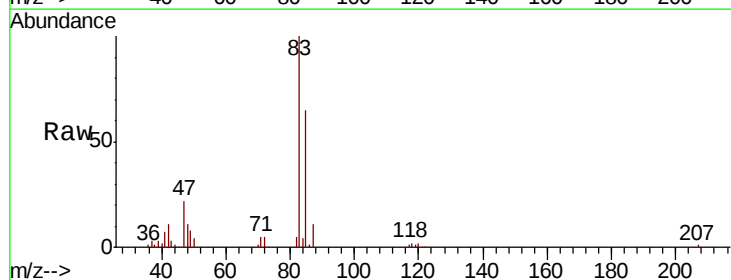
Instrument :
MSVOA_U
ClientSampleId :
VU0801MBS01

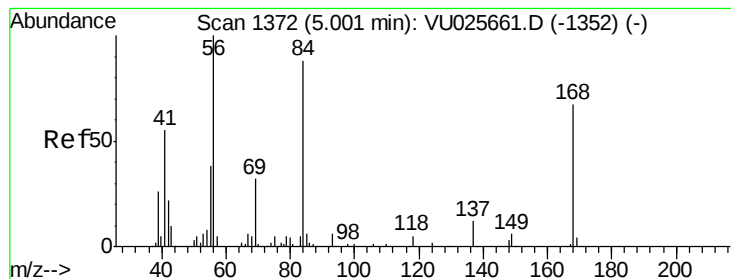
Tot Ion: 42 Resp: 116915
Ion Ratio Lower Upper
42 100
72 43.6 36.7 55.1
71 40.4 33.9 50.9



#30
Chloroform
Concen: 20.74 ug/l
RT: 4.68 min Scan# 1272
Delta R.T. 0.00 min
Lab File: VU025755.D
Acq: 31 Jul 2018 21:38

Tgt Ion: 83 Resp: 88281
Ion Ratio Lower Upper
83 100
85 64.9 51.5 77.3





#31

Cyclohexane

Concen: 20.11 ug/l

RT: 5.00 min Scan# 1371

Delta R.T. -0.00 min

Lab File: VU025755.D

Acq: 31 Jul 2018 21:38

Instrument :
MSVOA_U
ClientSampleId :
VU0801MBS01

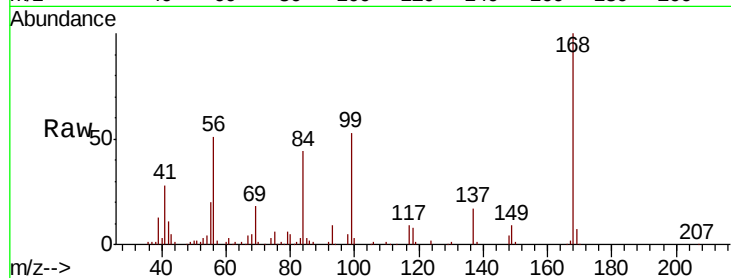
Tot Ion: 56 Resp: 73402

Ion Ratio Lower Upper

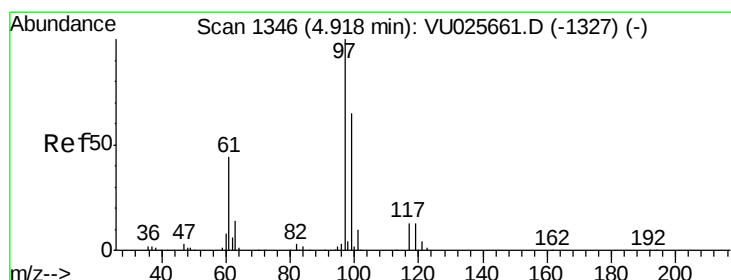
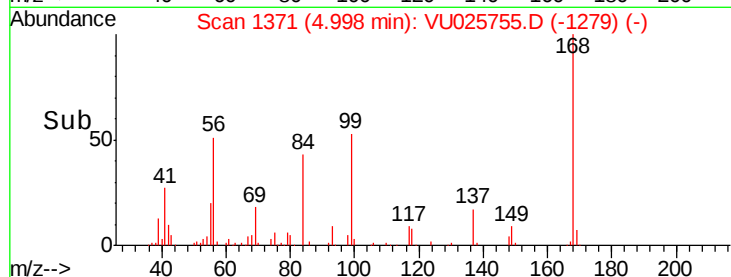
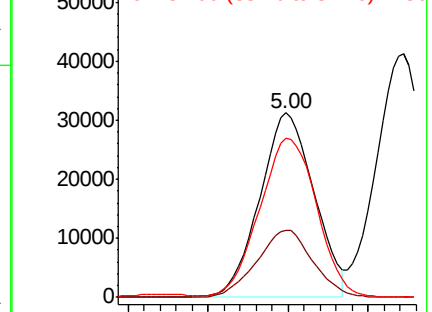
56 100

69 36.4 26.8 40.2

84 85.1 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: 21.70 ug/l

RT: 4.92 min Scan# 1346

Delta R.T. 0.00 min

Lab File: VU025755.D

Acq: 31 Jul 2018 21:38

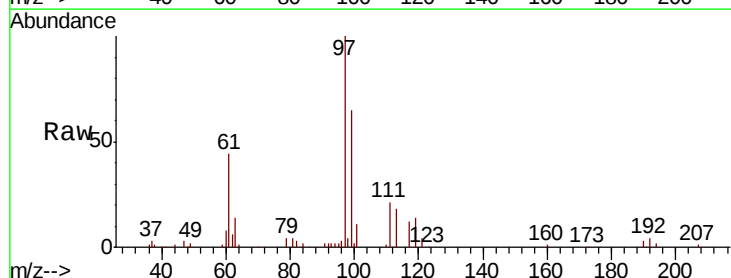
Tgt Ion: 97 Resp: 83184

Ion Ratio Lower Upper

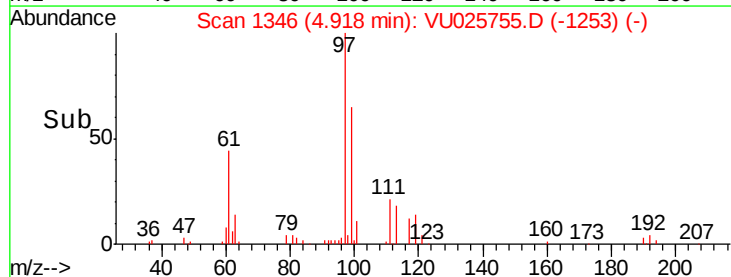
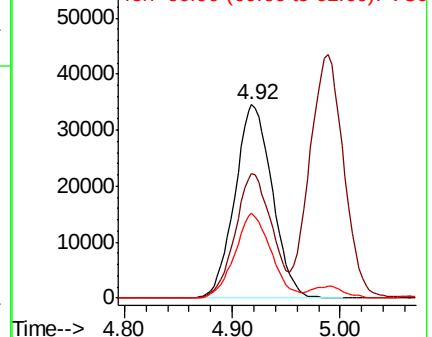
97 100

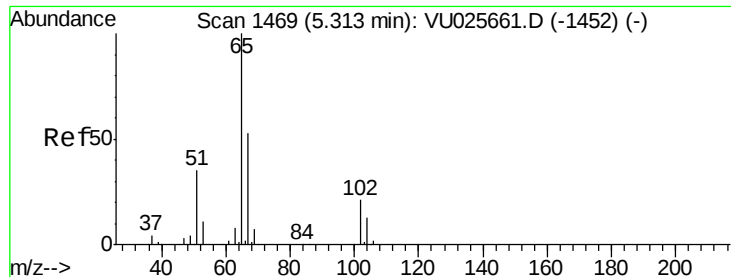
99 63.6 50.8 76.2

61 42.7 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: 51.78 ug/l

RT: 5.31 min Scan# 1469

Delta R.T. 0.00 min

Lab File: VU025755.D

Acq: 31 Jul 2018 21:38

Instrument :

MSVOA_U

ClientSampleId :

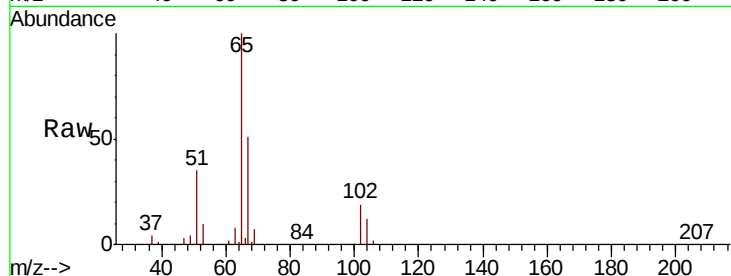
VU0801MBS01

Tot Ion: 65 Resp: 142562

Ion Ratio Lower Upper

65 100

67 50.8 0.0 103.6



Abundance Ion 64.90 (64.60 to 65.60): VU025661.D (-1452) (-)

Ion 66.90 (66.60 to 67.60): VU025661.D (-1452) (-)

5.31

80000

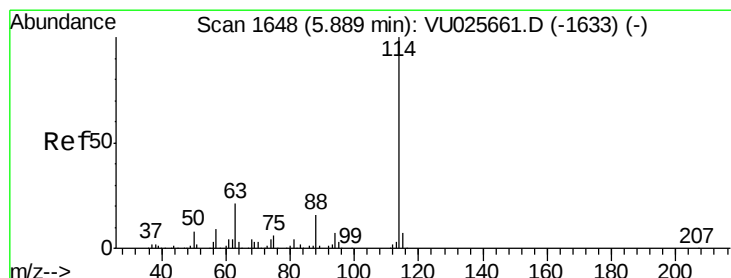
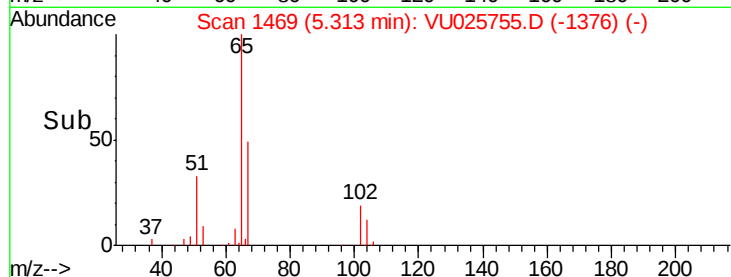
60000

40000

20000

0

Time--> 5.20 5.25 5.30 5.35 5.40



#34

1,4-Difluorobenzene

Concen: 50.00 ug/l

RT: 5.89 min Scan# 1648

Delta R.T. 0.00 min

Lab File: VU025755.D

Acq: 31 Jul 2018 21:38

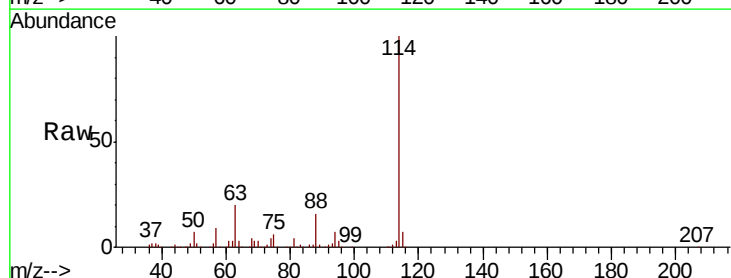
Tgt Ion: 114 Resp: 270871

Ion Ratio Lower Upper

114 100

63 20.1 0.0 41.6

88 16.2 0.0 32.4



Abundance Ion 113.90 (113.60 to 114.60): VU025661.D (-1633) (-)

Ion 63.00 (62.70 to 63.70): VU025661.D (-1633) (-)

Ion 87.90 (87.60 to 88.60): VU025661.D (-1633) (-)

5.89

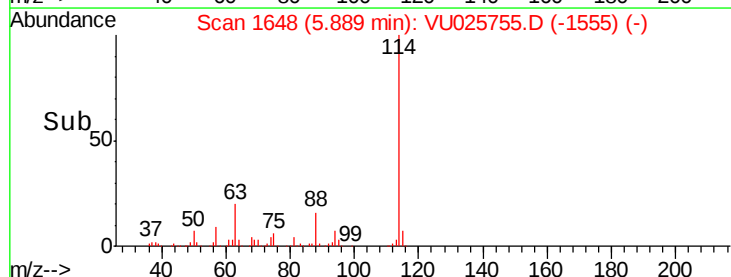
150000

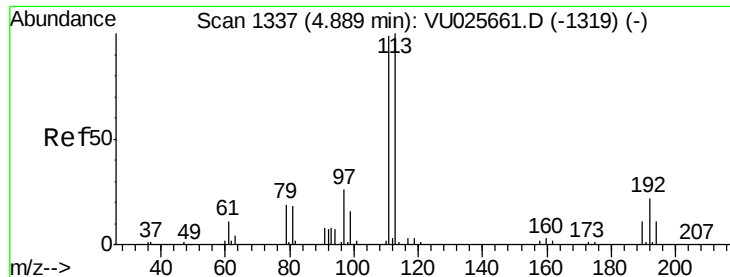
100000

50000

0

Time--> 5.80 5.85 5.90 5.95

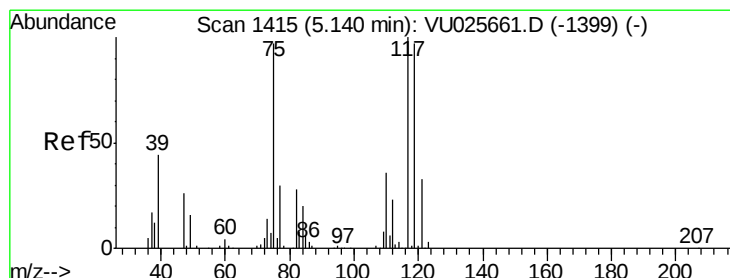
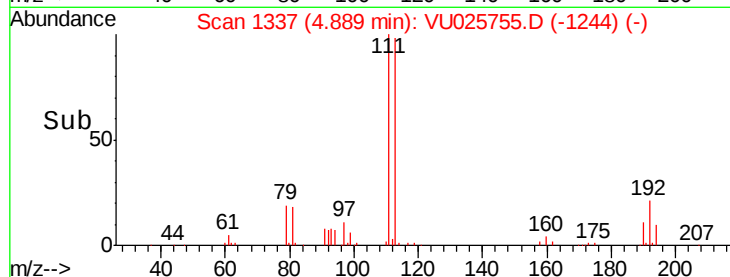
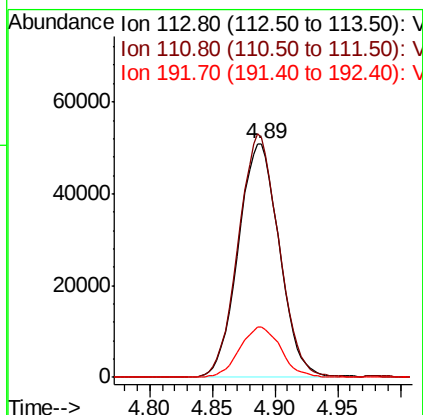
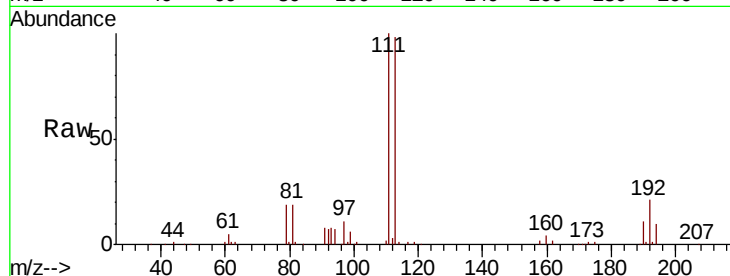




#35
 Dibromofluoromethane
 Concen: 49.14 ug/l
 RT: 4.89 min Scan# 1337
 Delta R.T. 0.00 min
 Lab File: VU025755.D
 Acq: 31 Jul 2018 21:38

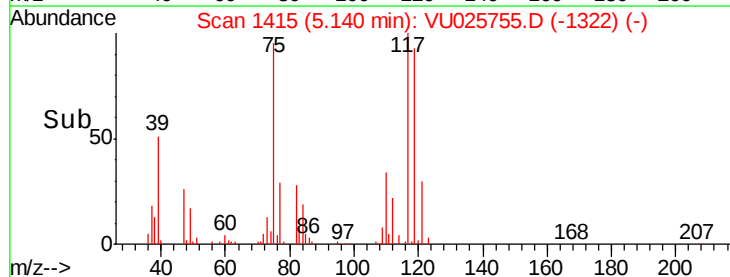
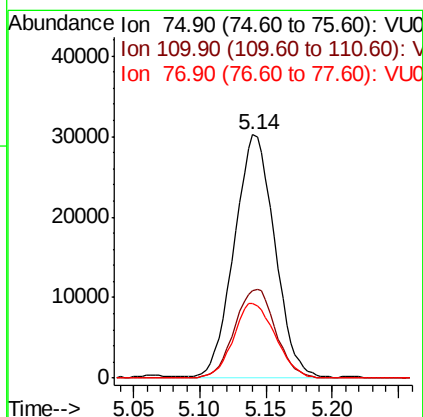
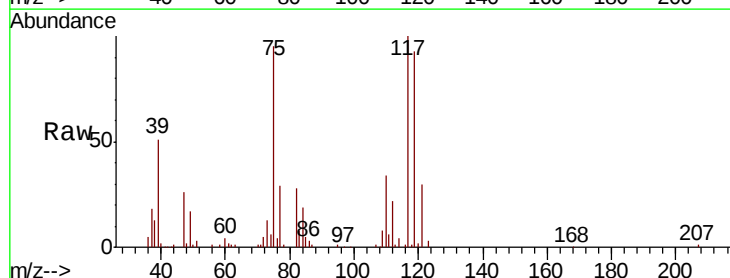
Instrument :
 MSVOA_U
 ClientSampleId :
 VU0801MBS01

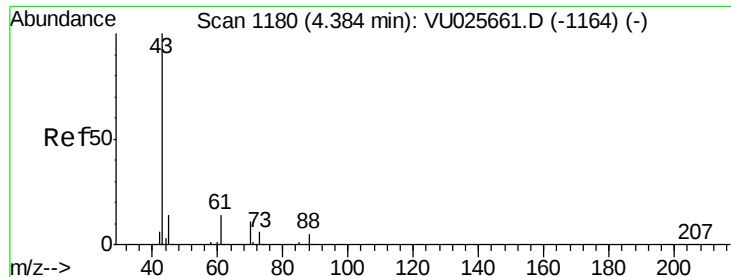
Tot Ion:113 Resp: 115774
 Ion Ratio Lower Upper
 113 100
 111 102.8 81.7 122.5
 192 21.6 17.1 25.7



#36
 1,1-Dichloropropene
 Concen: 20.15 ug/l
 RT: 5.14 min Scan# 1415
 Delta R.T. 0.00 min
 Lab File: VU025755.D
 Acq: 31 Jul 2018 21:38

Tgt Ion: 75 Resp: 63787
 Ion Ratio Lower Upper
 75 100
 110 37.1 17.6 52.9
 77 32.1 24.4 36.6

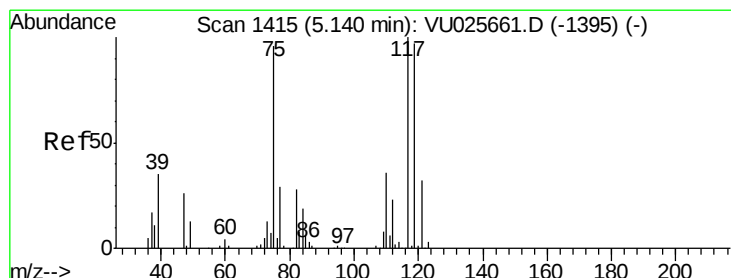
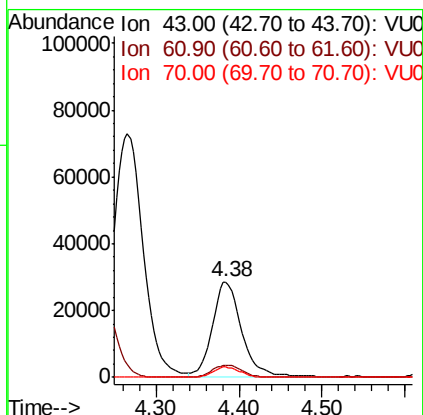
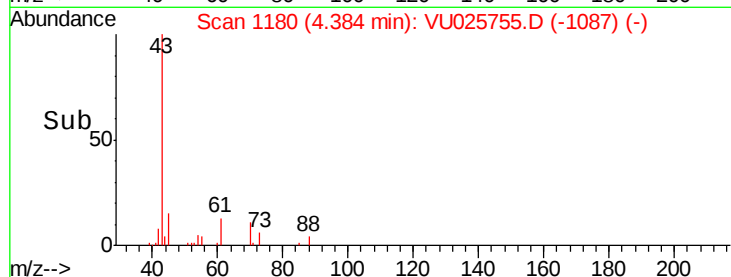
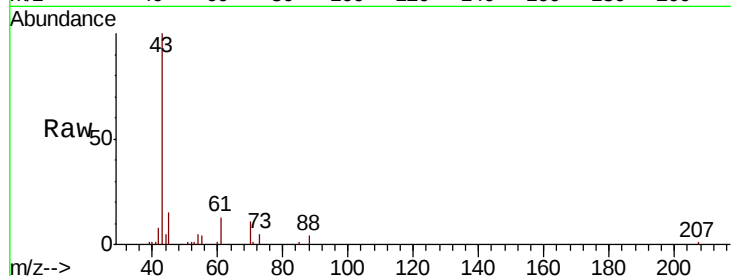




#37
Ethyl Acetate
Concen: 21.04 ug/l
RT: 4.38 min Scan# 1180
Delta R.T. 0.00 min
Lab File: VU025755.D
Acq: 31 Jul 2018 21:38

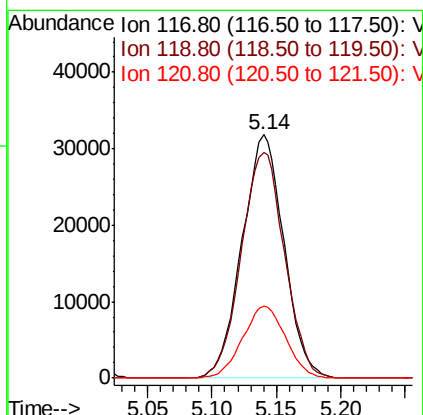
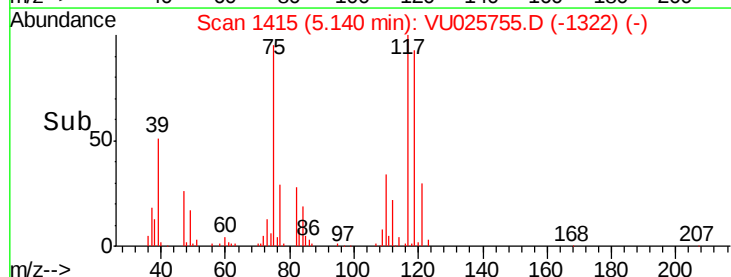
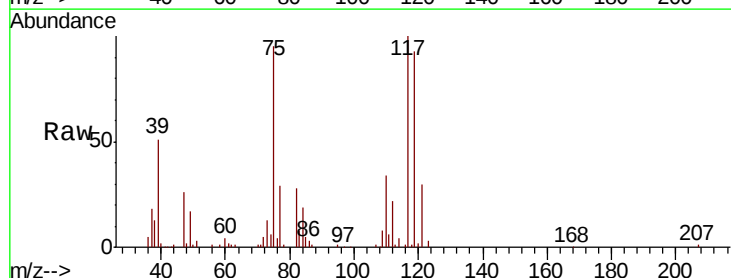
Instrument :
MSVOA_U
ClientSampleId :
VU0801MBS01

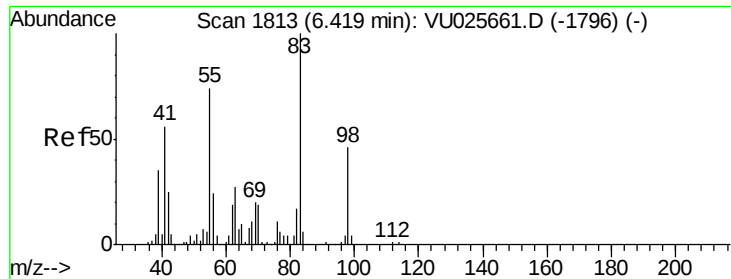
Tot Ion: 43 Resp: 69069
Ion Ratio Lower Upper
43 100
61 13.7 10.7 16.1
70 10.0 8.4 12.6



#38
Carbon Tetrachloride
Concen: 20.09 ug/l
RT: 5.14 min Scan# 1415
Delta R.T. 0.00 min
Lab File: VU025755.D
Acq: 31 Jul 2018 21:38

Tgt Ion: 117 Resp: 72022
Ion Ratio Lower Upper
117 100
119 92.8 75.7 113.5
121 29.8 24.6 36.8

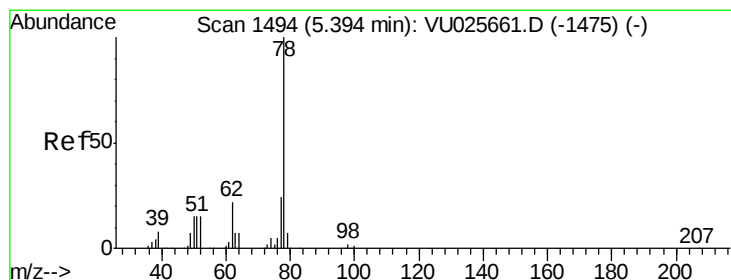
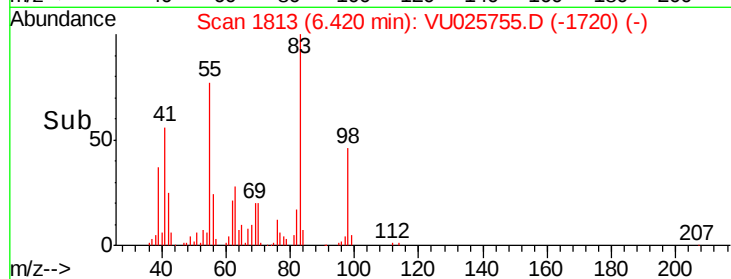
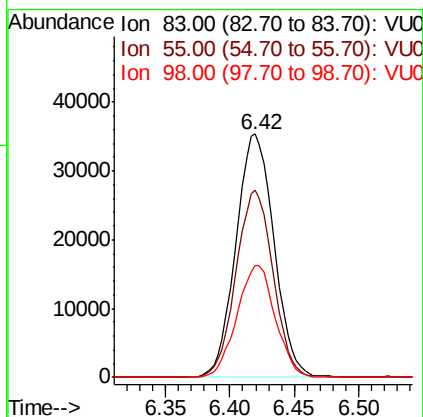
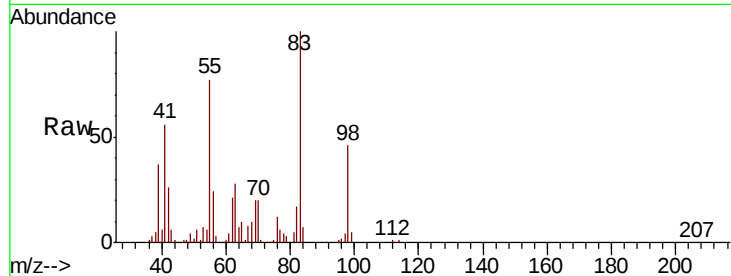




#39
Methvlcvclohexane
Concen: 20.06 ug/l
RT: 6.42 min Scan# 1813
Delta R.T. 0.00 min
Lab File: VU025755.D
Acq: 31 Jul 2018 21:38

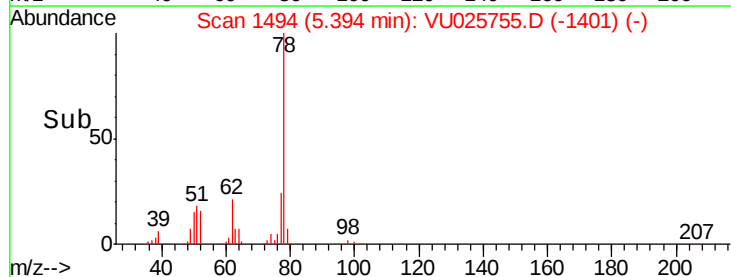
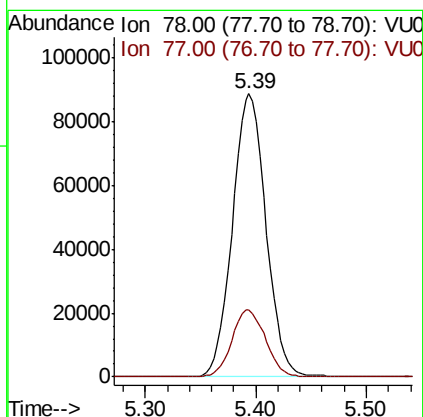
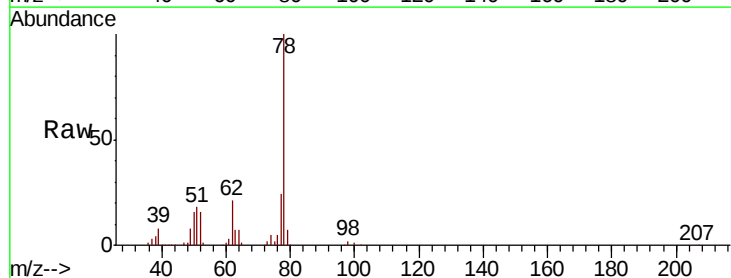
Instrument :
MSVOA_U
ClientSampleId :
VU0801MBS01

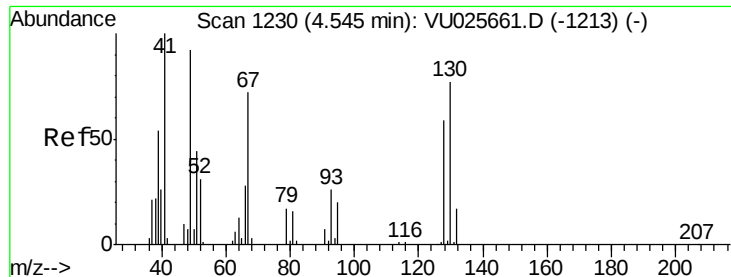
Tot Ion: 83 Resp: 72764
Ion Ratio Lower Upper
83 100
55 77.2 60.0 90.0
98 45.7 36.1 54.1



#40
Benzene
Concen: 20.18 ug/l
RT: 5.39 min Scan# 1494
Delta R.T. 0.00 min
Lab File: VU025755.D
Acq: 31 Jul 2018 21:38

Tgt Ion: 78 Resp: 186770
Ion Ratio Lower Upper
78 100
77 23.8 19.8 29.6

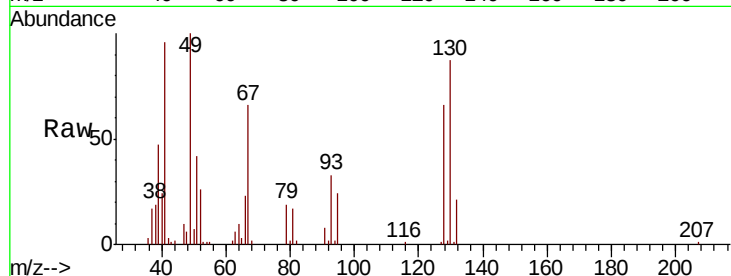




#41
Methacrylonitrile
Concen: 20.75 ug/l
RT: 4.55 min Scan# 1232
Delta R.T. 0.01 min
Lab File: VU025755.D
Acq: 31 Jul 2018 21:38

Instrument :
MSVOA_U
ClientSampleId :
VU0801MBS01

Tot Ion:	41	Resp:	37838
Ion	Ratio	Lower	Upper
41	100		
39	54.6	44.4	66.6
67	72.2	56.0	84.0
52	30.7	24.6	36.8



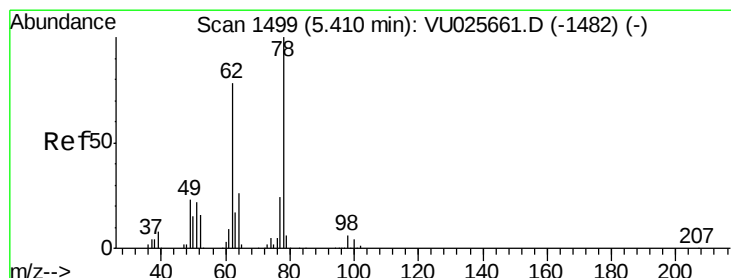
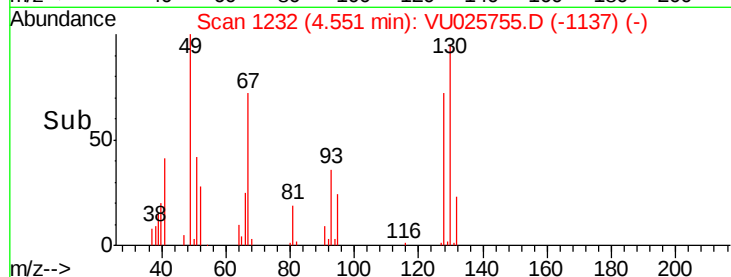
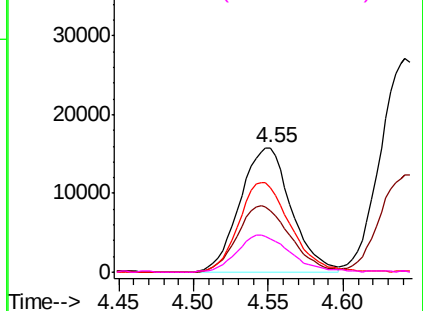
Abundance

Ion 41.00 (40.70 to 41.70): VU0

Ion 39.00 (38.70 to 39.70): VU0

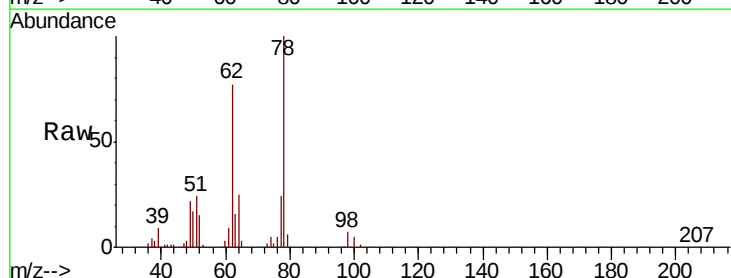
Ion 67.00 (66.70 to 67.70): VU0

Ion 52.00 (51.70 to 52.70): VU0



#42
1,2-Dichloroethane
Concen: 20.28 ug/l
RT: 5.41 min Scan# 1499
Delta R.T. 0.00 min
Lab File: VU025755.D
Acq: 31 Jul 2018 21:38

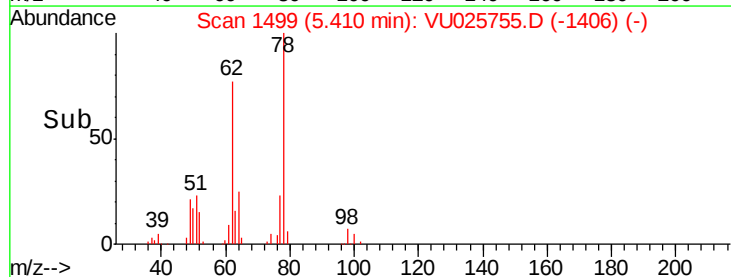
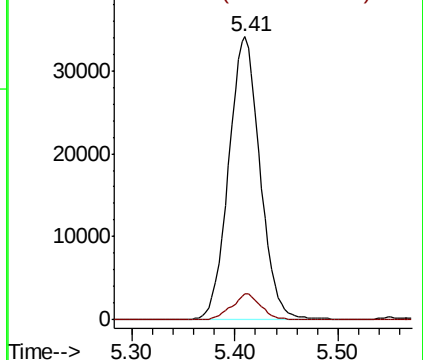
Tgt Ion:	62	Resp:	72259
Ion	Ratio	Lower	Upper
62	100		
98	8.5	0.0	16.4

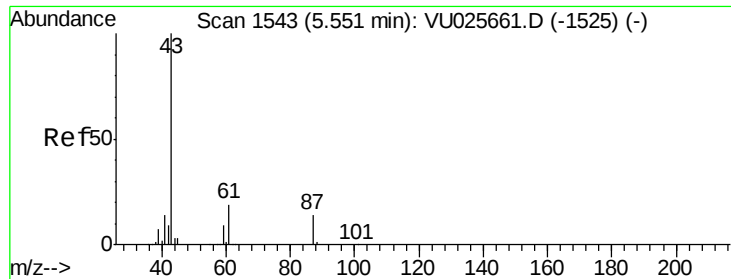


Abundance

Ion 61.90 (61.60 to 62.60): VU0

Ion 97.90 (97.60 to 98.60): VU0



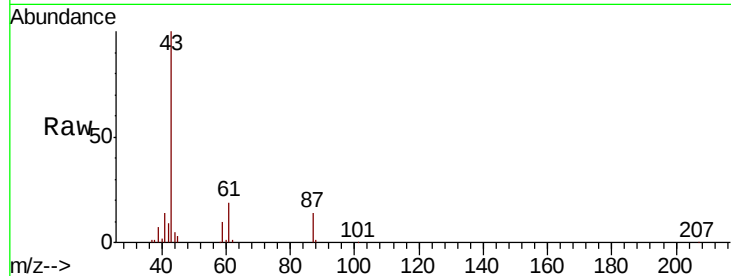


#43

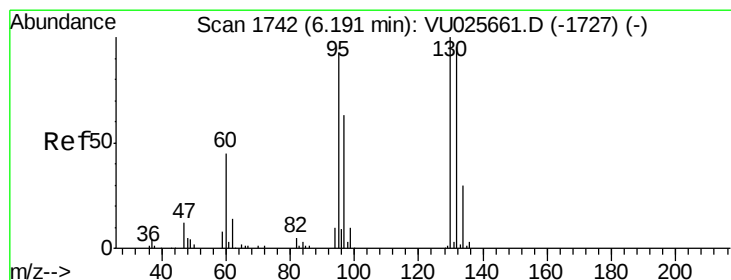
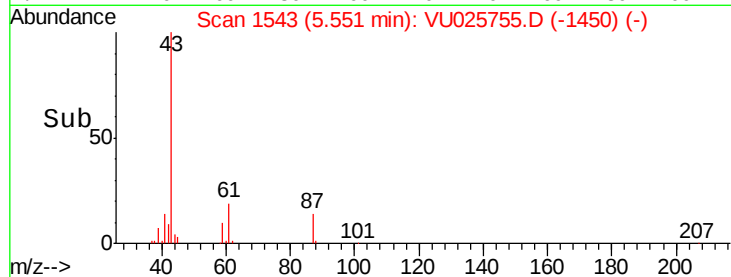
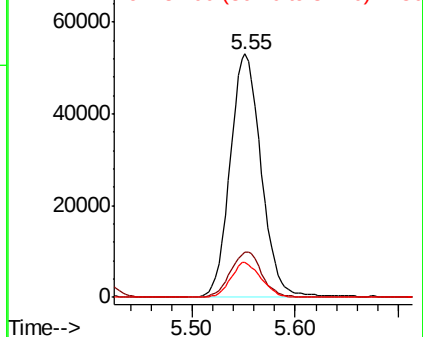
Isopropyl Acetate
 Concen: 20.39 ug/l
 RT: 5.55 min Scan# 1543
 Delta R.T. 0.00 min
 Lab File: VU025755.D
 Acq: 31 Jul 2018 21:38

Instrument :
 MSVOA_U
 ClientSampleId :
 VU0801MBS01

Tot Ion	43	Resp	110610
Ion Ratio	Lower	Upper	
43	100		
61	18.8	15.5	23.3
87	13.9	10.6	16.0



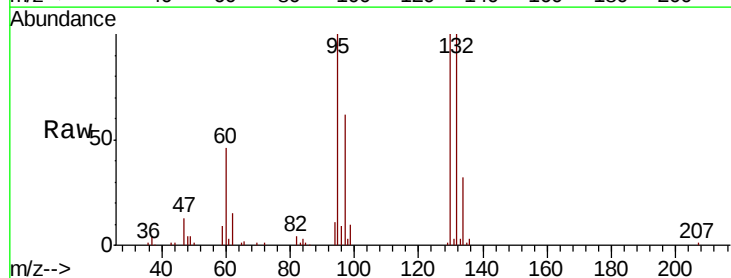
Abundance Ion 43.00 (42.70 to 43.70): VU025661.D (-1525) (-)
 Ion 61.00 (60.70 to 61.70): VU025661.D (-1525) (-)
 Ion 87.00 (86.70 to 87.70): VU025661.D (-1525) (-)



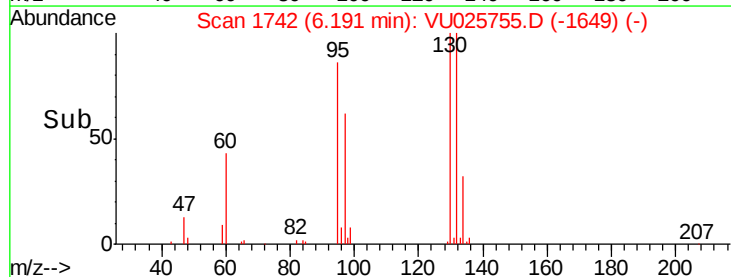
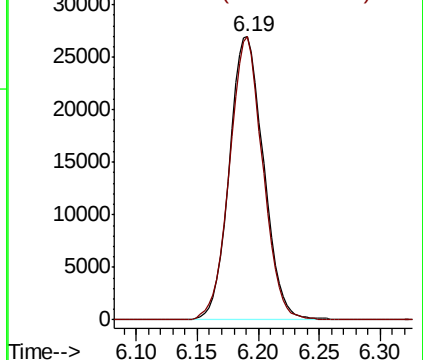
#44

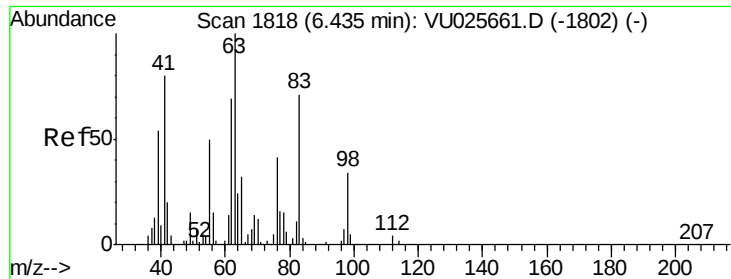
Trichloroethene
 Concen: 20.44 ug/l
 RT: 6.19 min Scan# 1742
 Delta R.T. 0.00 min
 Lab File: VU025755.D
 Acq: 31 Jul 2018 21:38

Tgt Ion	130	Resp	52668
Ion Ratio	Lower	Upper	
130	100		
95	100.1	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) (-)

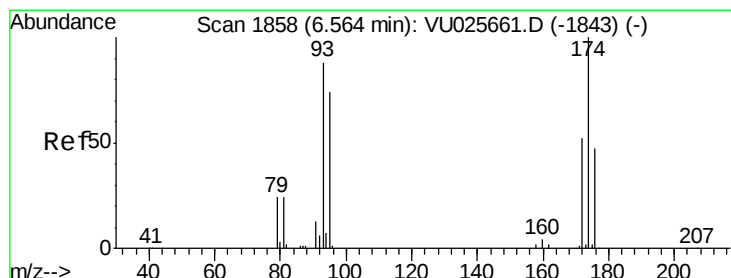
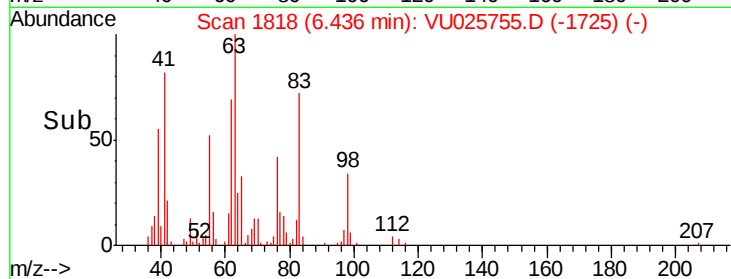
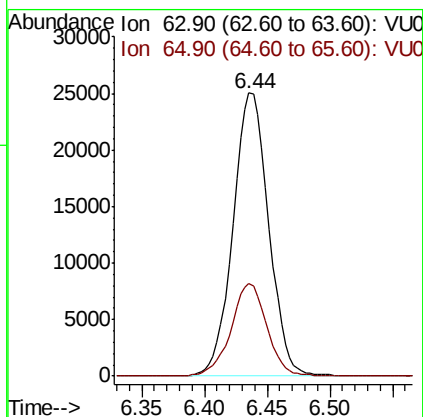
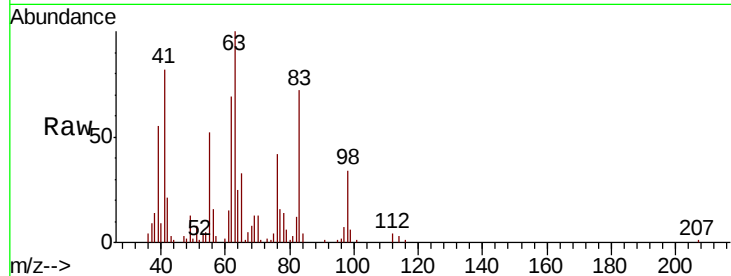




#45
 1,2-Dichloropropane
 Concen: 20.47 ug/l
 RT: 6.44 min Scan# 1818
 Delta R.T. 0.00 min
 Lab File: VU025755.D
 Acq: 31 Jul 2018 21:38

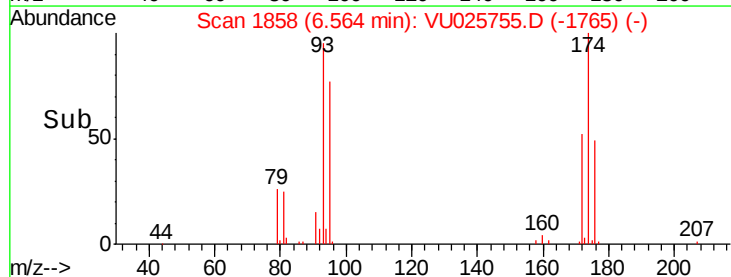
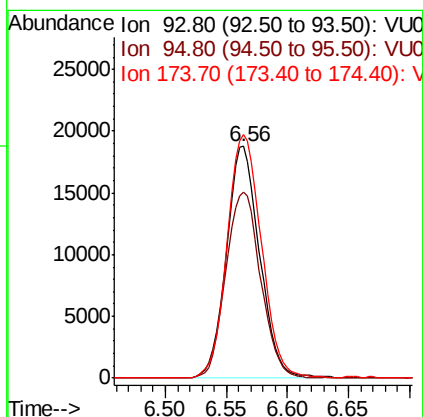
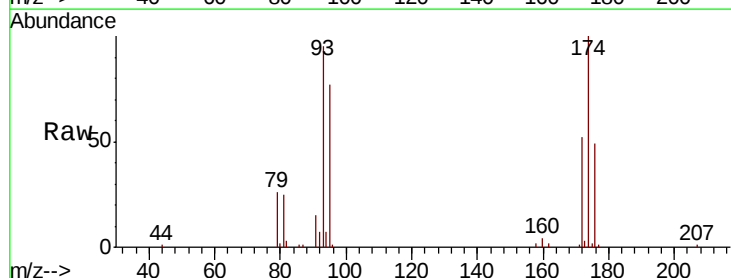
Instrument :
 MSVOA_U
 ClientSampleId :
 VU0801MBS01

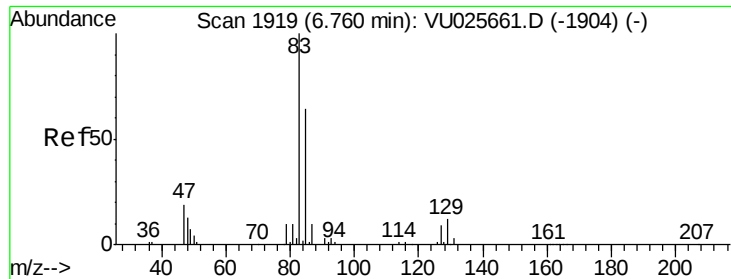
Tot Ion: 63 Resp: 49406
 Ion Ratio Lower Upper
 63 100
 65 32.5 26.1 39.1



#46
 Dibromomethane
 Concen: 20.39 ug/l
 RT: 6.56 min Scan# 1858
 Delta R.T. 0.00 min
 Lab File: VU025755.D
 Acq: 31 Jul 2018 21:38

Tgt Ion: 93 Resp: 35656
 Ion Ratio Lower Upper
 93 100
 95 83.9 66.6 100.0
 174 108.6 85.8 128.8





#47

Bromodichloromethane

Concen: 20.35 ug/l

RT: 6.76 min Scan# 1919

Delta R.T. 0.00 min

Lab File: VU025755.D

Acq: 31 Jul 2018 21:38

Instrument :
MSVOA_U
ClientSampleId :
VU0801MBS01

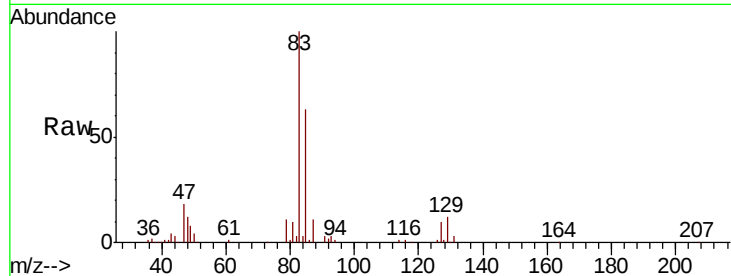
Tot Ion: 83 Resp: 67887

Ion Ratio Lower Upper

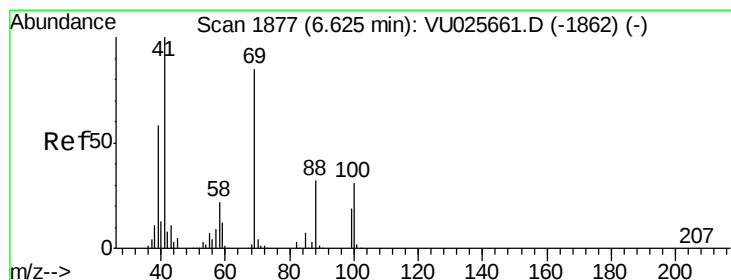
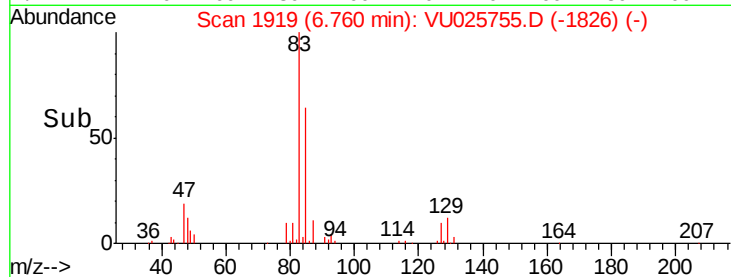
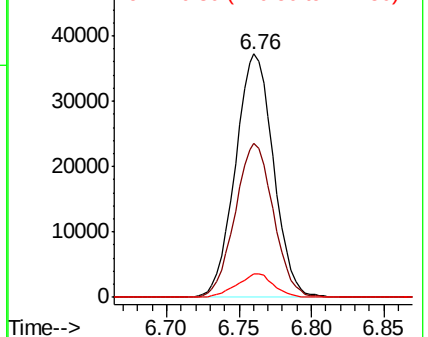
83 100

85 63.4 50.2 75.4

127 9.6 7.2 10.8



Abundance Ion 82.90 (82.60 to 83.60): VU0
Ion 84.90 (84.60 to 85.60): VU0
Ion 126.80 (126.50 to 127.50): V



#48

Methyl methacrylate

Concen: 20.76 ug/l

RT: 6.63 min Scan# 1877

Delta R.T. 0.00 min

Lab File: VU025755.D

Acq: 31 Jul 2018 21:38

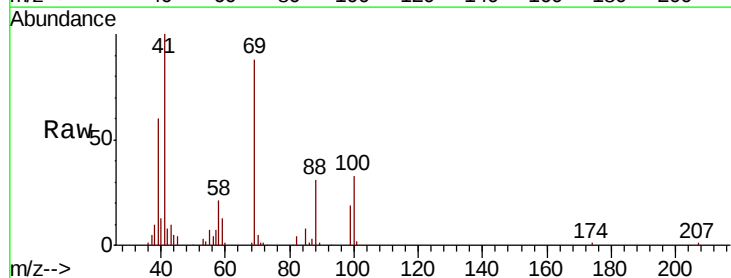
Tgt Ion: 41 Resp: 55196

Ion Ratio Lower Upper

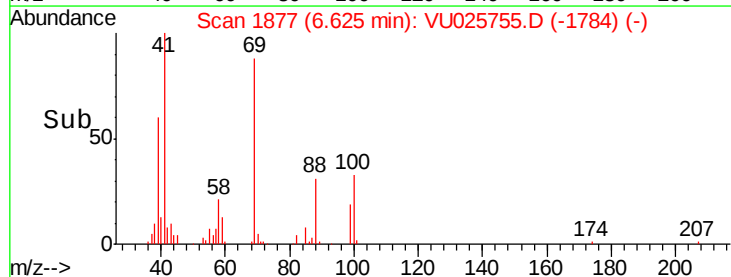
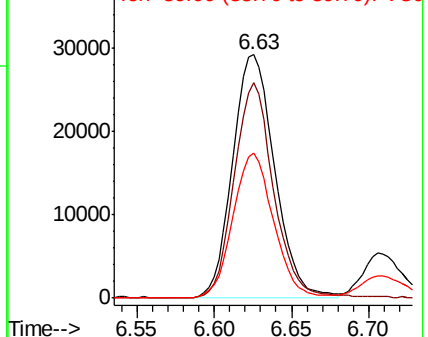
41 100

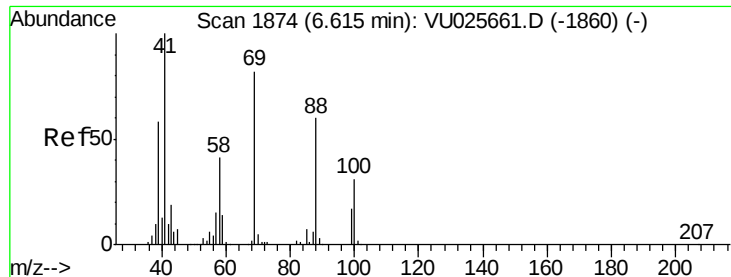
69 82.8 65.0 97.4

39 57.6 46.4 69.6



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

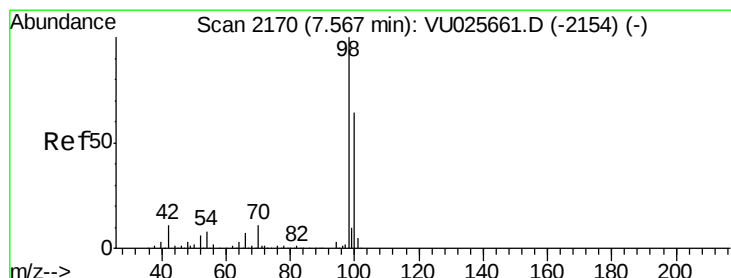
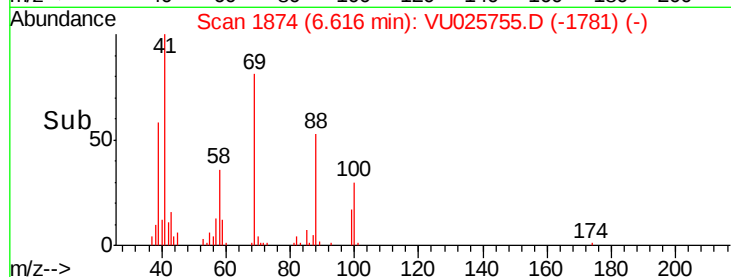
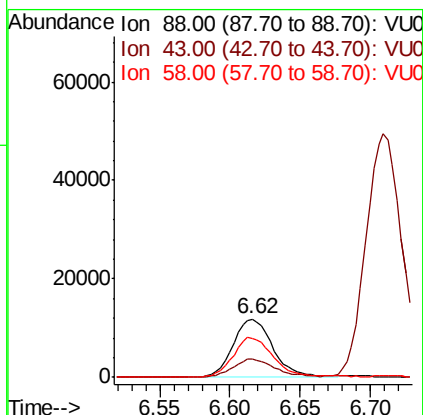
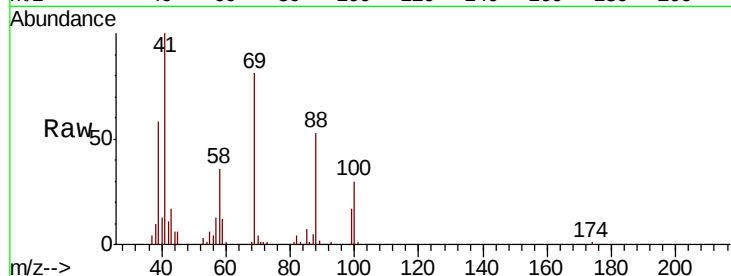




#49
 1,4-Dioxane
 Concen: 363.05 ug/l
 RT: 6.62 min Scan# 1874
 Delta R.T. 0.00 min
 Lab File: VU025755.D
 Acq: 31 Jul 2018 21:38

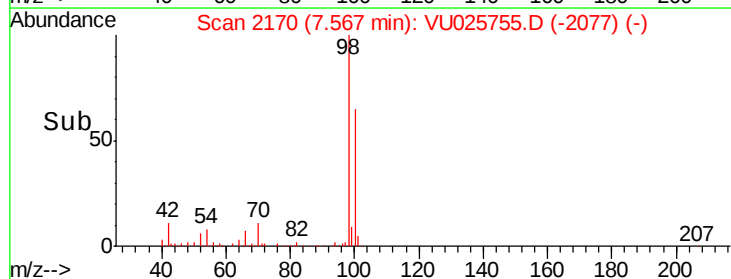
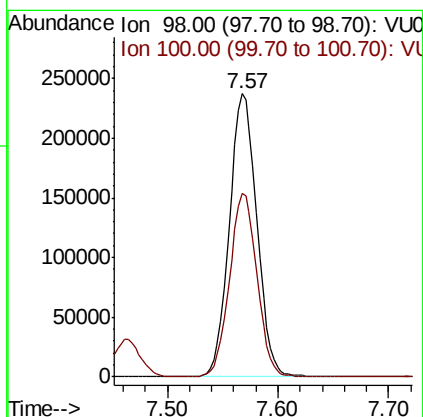
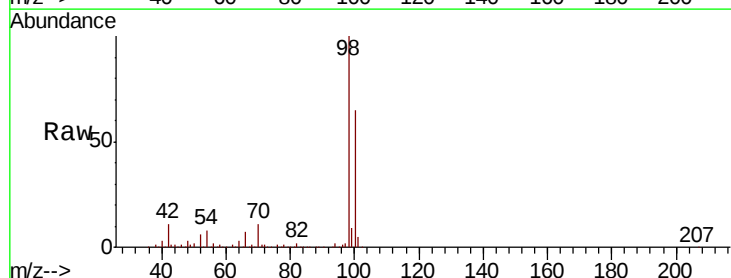
Instrument :
 MSVOA_U
 ClientSampleId :
 VU0801MBS01

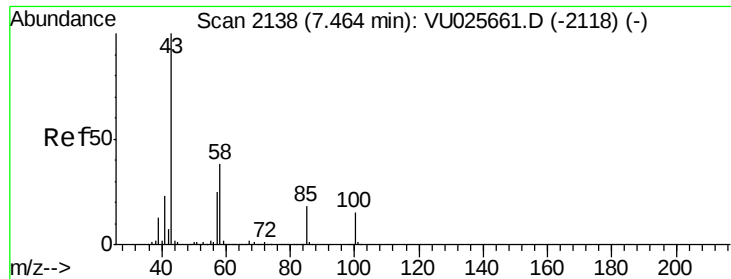
Tot Ion: 88 Resp: 23486
 Ion Ratio Lower Upper
 88 100
 43 33.4 27.3 40.9
 58 70.2 57.6 86.4



#50
 Toluene-d8
 Concen: 49.78 ug/l
 RT: 7.57 min Scan# 2170
 Delta R.T. 0.00 min
 Lab File: VU025755.D
 Acq: 31 Jul 2018 21:38

Tgt Ion: 98 Resp: 410393
 Ion Ratio Lower Upper
 98 100
 100 64.6 51.1 76.7





#51

4-Methyl-2-Pentanone

Concen: 102.69 ug/l

RT: 7.46 min Scan# 2137

Delta R.T. -0.00 min

Lab File: VU025755.D

Acq: 31 Jul 2018 21:38

Instrument :

MSVOA_U

ClientSampleId :

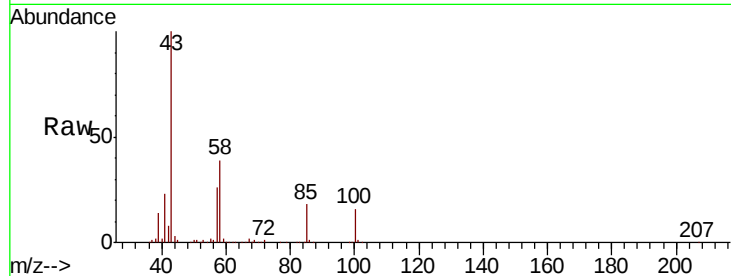
VU0801MBS01

Tot Ion: 43 Resp: 348702

Ion Ratio Lower Upper

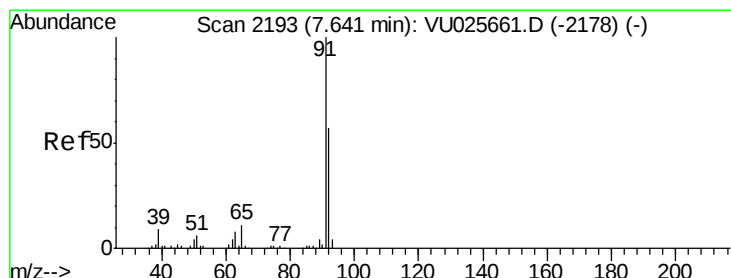
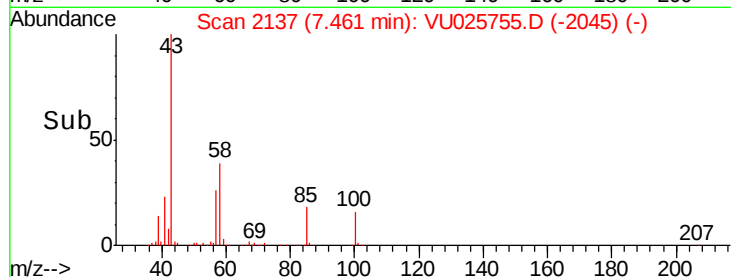
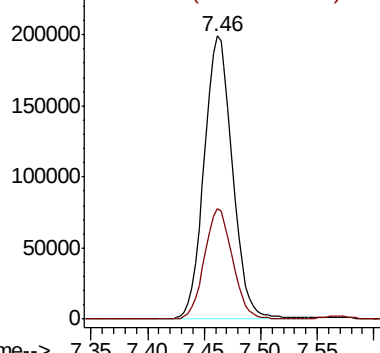
43 100

58 38.7 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: 20.50 ug/l

RT: 7.64 min Scan# 2193

Delta R.T. 0.00 min

Lab File: VU025755.D

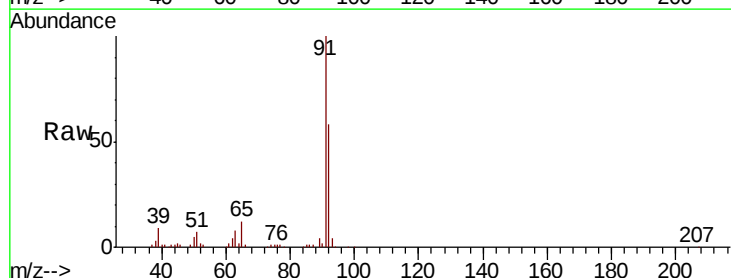
Acq: 31 Jul 2018 21:38

Tgt Ion: 92 Resp: 117839

Ion Ratio Lower Upper

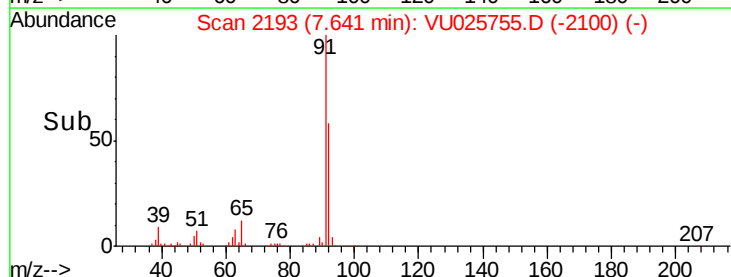
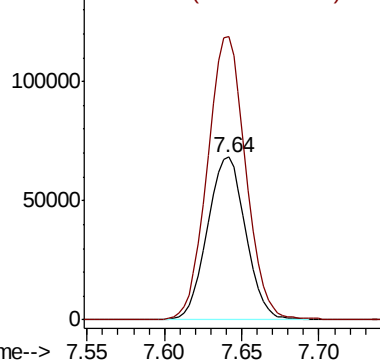
92 100

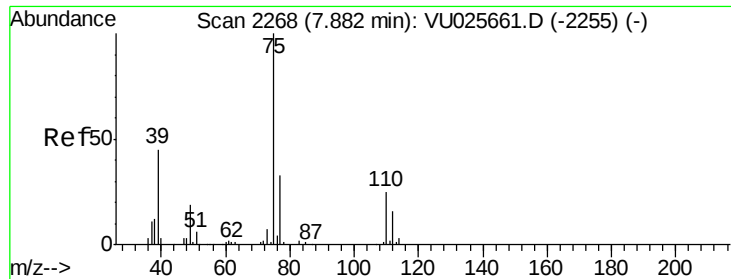
91 174.5 139.2 208.8



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: 20.46 ug/l

RT: 7.88 min Scan# 2268

Delta R.T. 0.00 min

Lab File: VU025755.D

Acq: 31 Jul 2018 21:38

Instrument :

MSVOA_U

ClientSampleId :

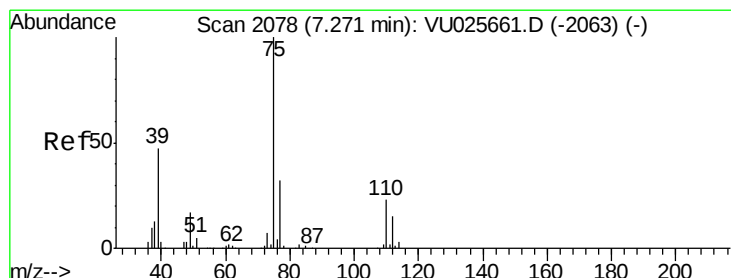
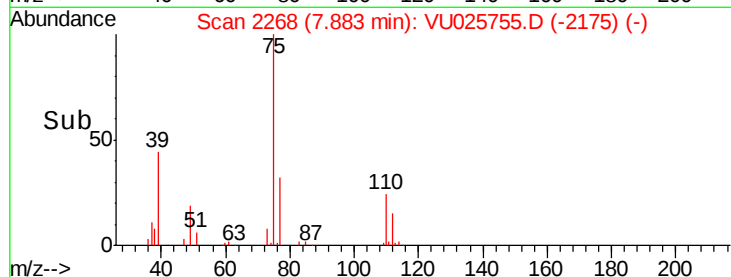
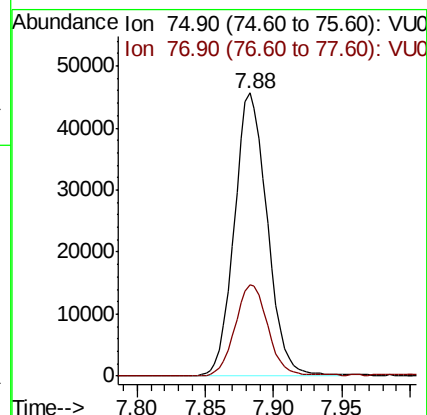
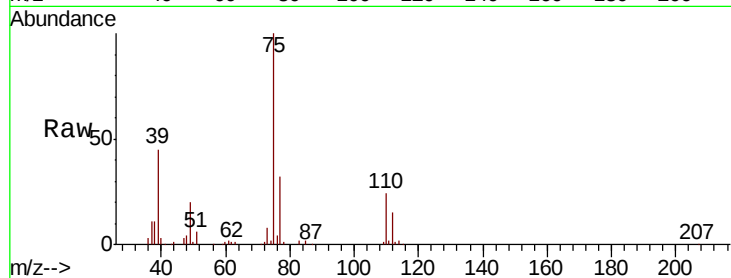
VU0801MBS01

Tot Ion: 75 Resp: 76618

Ion Ratio Lower Upper

75 100

77 32.3 24.5 36.7



#54

cis-1,3-Dichloropropene

Concen: 20.43 ug/l

RT: 7.27 min Scan# 2078

Delta R.T. 0.00 min

Lab File: VU025755.D

Acq: 31 Jul 2018 21:38

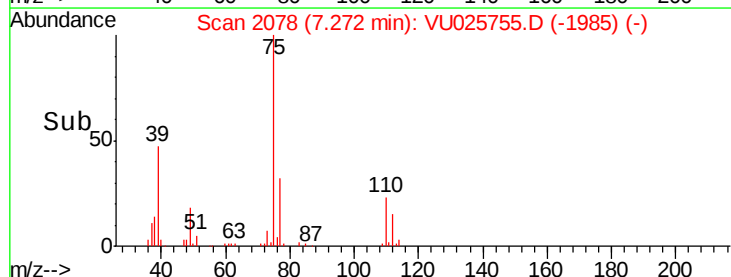
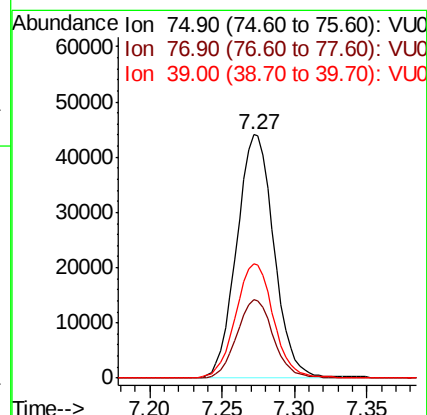
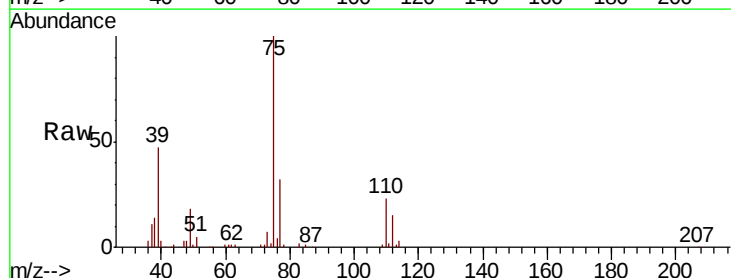
Tgt Ion: 75 Resp: 78581

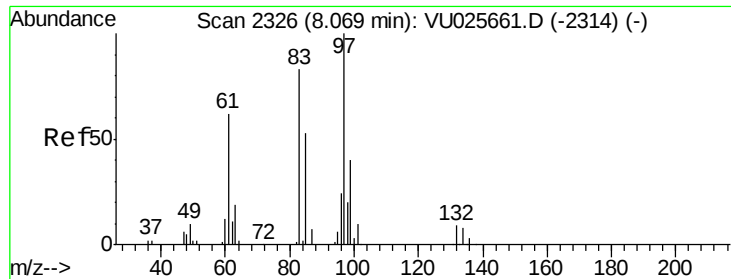
Ion Ratio Lower Upper

75 100

77 32.1 25.6 38.4

39 46.9 40.0 60.0

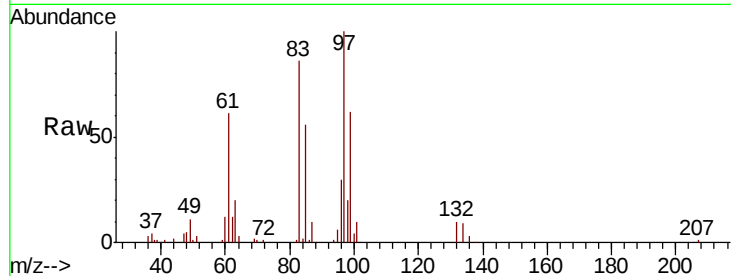




#55
 1,1,2-Trichloroethane
 Concen: 20.10 ug/l
 RT: 8.07 min Scan# 2327
 Delta R.T. 0.00 min
 Lab File: VU025755.D
 Acq: 31 Jul 2018 21:38

Instrument :
 MSVOA_U
 ClientSampleId :
 VU0801MBS01

Tot Ion	Ratio	Lower	Upper
97	100		
83	86.0	68.9	103.3
85	55.6	44.4	66.6
99	61.8	51.0	76.4



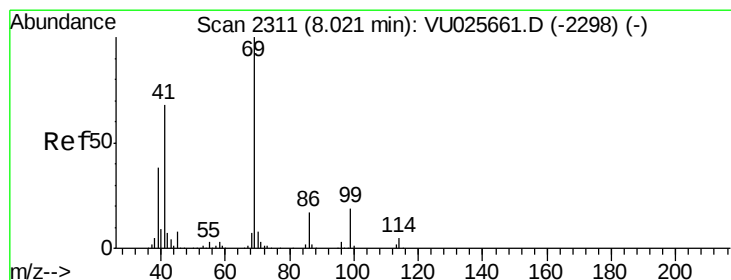
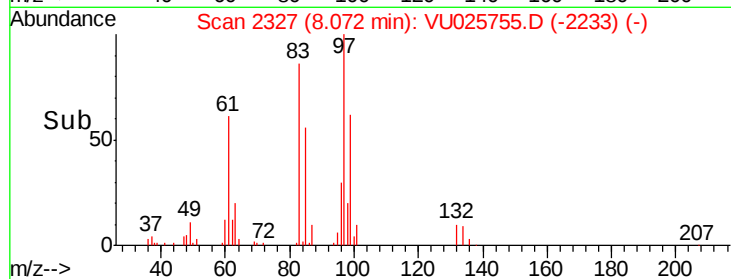
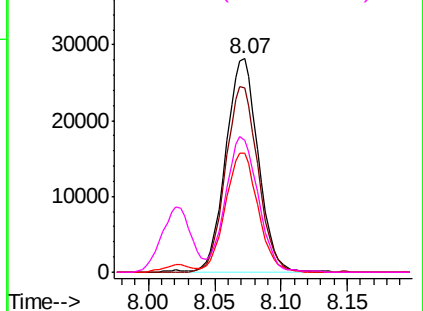
Abundance

Ion 96.90 (96.60 to 97.60): VU0

Ion 82.90 (82.60 to 83.60): VU0

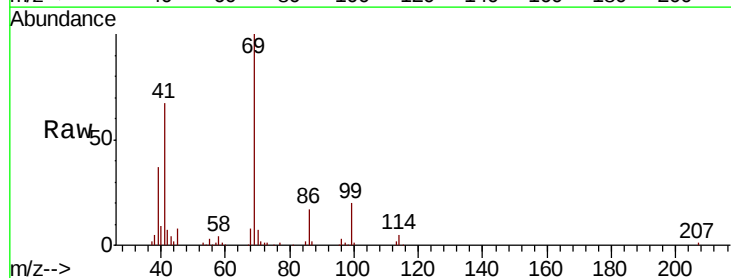
Ion 84.90 (84.60 to 85.60): VU0

Ion 98.90 (98.60 to 99.60): VU0



#56
 Ethyl methacrylate
 Concen: 20.87 ug/l
 RT: 8.02 min Scan# 2311
 Delta R.T. 0.00 min
 Lab File: VU025755.D
 Acq: 31 Jul 2018 21:38

Tgt Ion	Ratio	Lower	Upper
69	100		
41	66.2	54.8	82.2
39	36.3	31.1	46.7

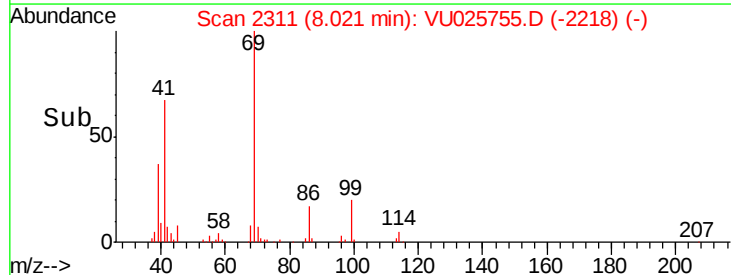
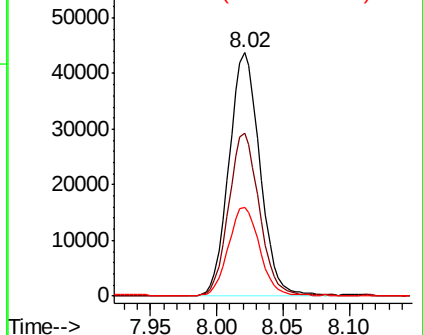


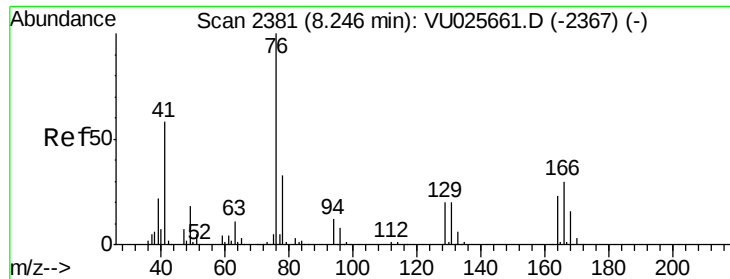
Abundance

Ion 69.00 (68.70 to 69.70): VU0

Ion 41.00 (40.70 to 41.70): VU0

Ion 39.00 (38.70 to 39.70): VU0





#57

1,3-Dichloropropane

Concen: 20.75 ug/l

RT: 8.25 min Scan# 2381

Delta R.T. 0.00 min

Lab File: VU025755.D

Acq: 31 Jul 2018 21:38

Instrument :

MSVOA_U

ClientSampleId :

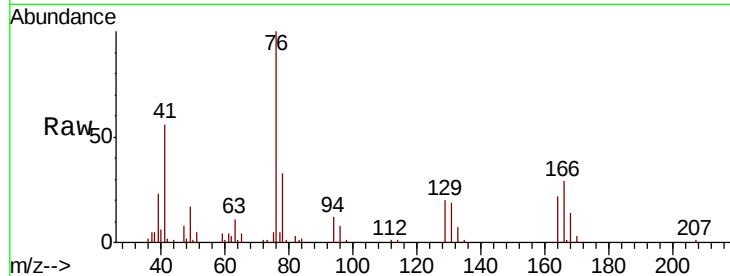
VU0801MBS01

Tot Ion: 76 Resp: 83371

Ion Ratio Lower Upper

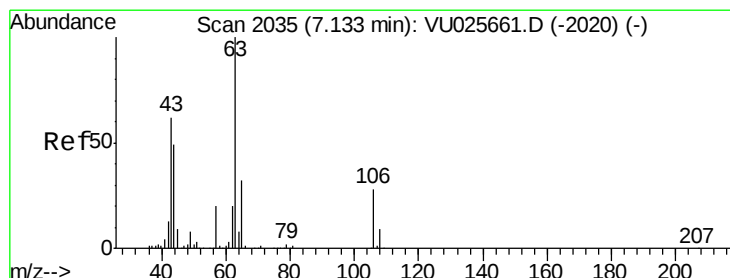
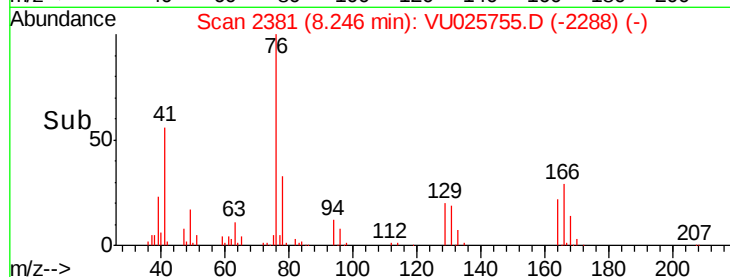
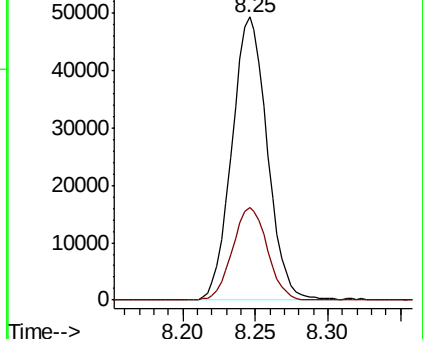
76 100

78 32.3 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: 91.93 ug/l

RT: 7.13 min Scan# 2034

Delta R.T. -0.00 min

Lab File: VU025755.D

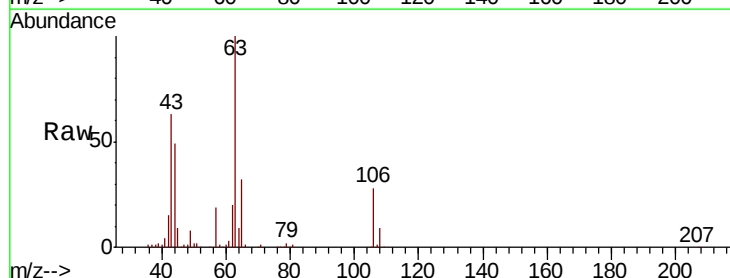
Acq: 31 Jul 2018 21:38

Tgt Ion: 63 Resp: 134982

Ion Ratio Lower Upper

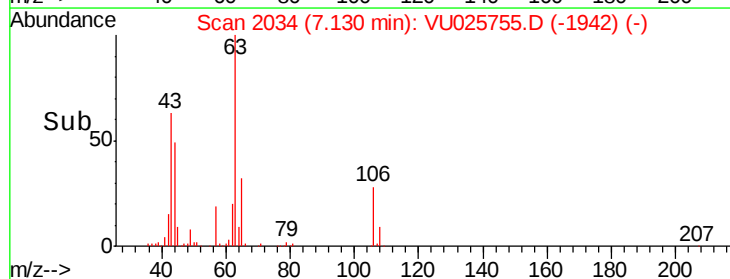
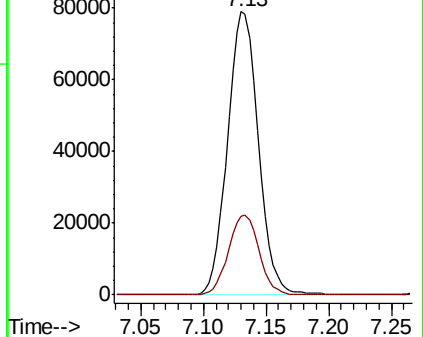
63 100

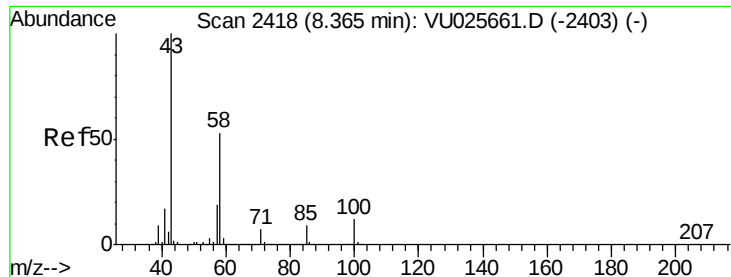
106 28.0 22.3 33.5



Abundance Ion 62.90 (62.60 to 63.60): VU0

Ion 105.90 (105.60 to 106.60): V

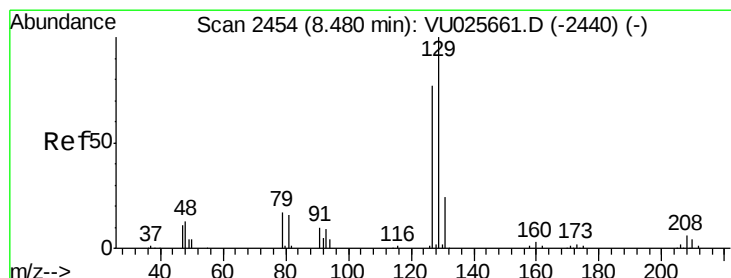
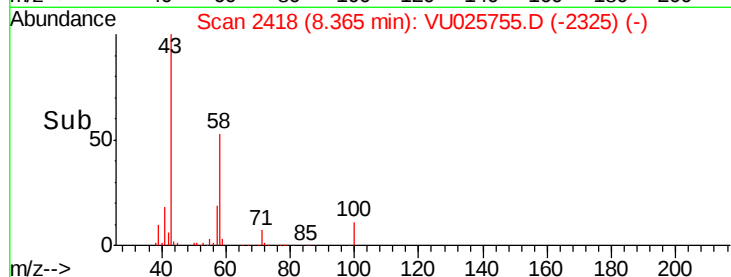
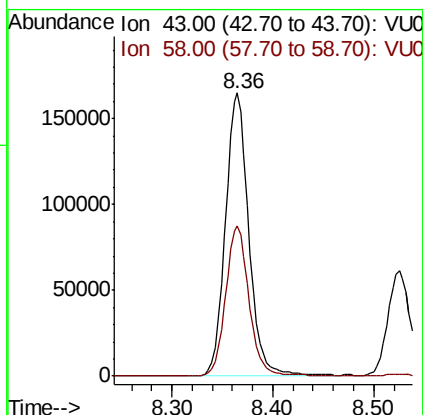
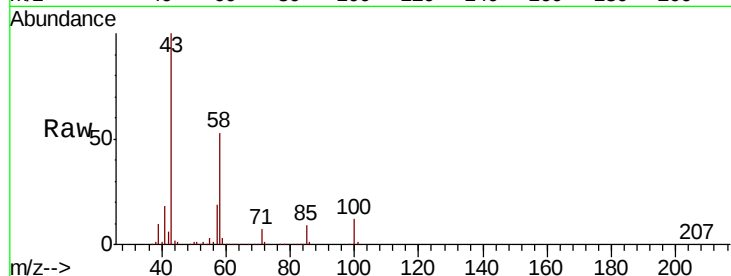




#59
2-Hexanone
Concen: 100.43 ug/l
RT: 8.36 min Scan# 2418
Delta R.T. 0.00 min
Lab File: VU025755.D
Acq: 31 Jul 2018 21:38

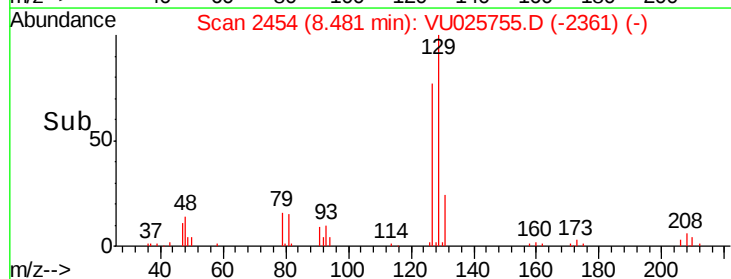
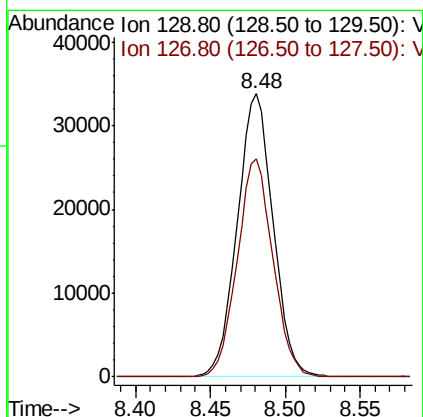
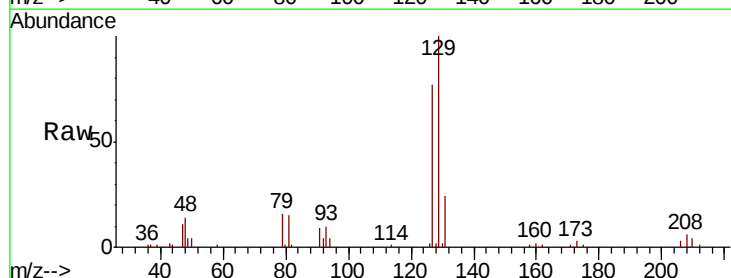
Instrument :
MSVOA_U
ClientSampleId :
VU0801MBS01

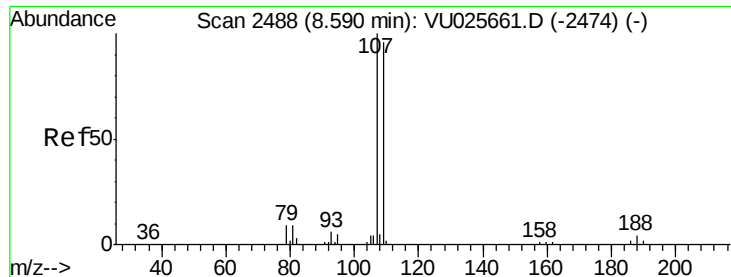
Tot Ion: 43 Resp: 267330
Ion Ratio Lower Upper
43 100
58 53.0 26.2 78.5



#60
Dibromochloromethane
Concen: 19.96 ug/l
RT: 8.48 min Scan# 2454
Delta R.T. 0.00 min
Lab File: VU025755.D
Acq: 31 Jul 2018 21:38

Tgt Ion: 129 Resp: 56226
Ion Ratio Lower Upper
129 100
127 76.7 38.6 115.8

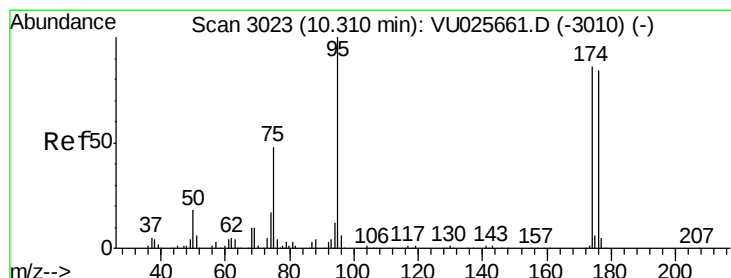
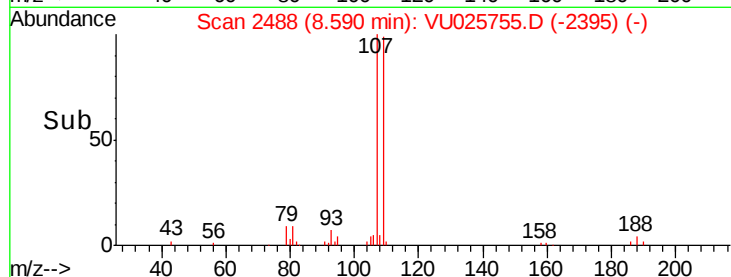
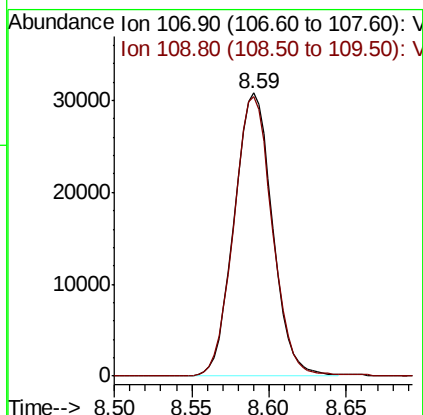
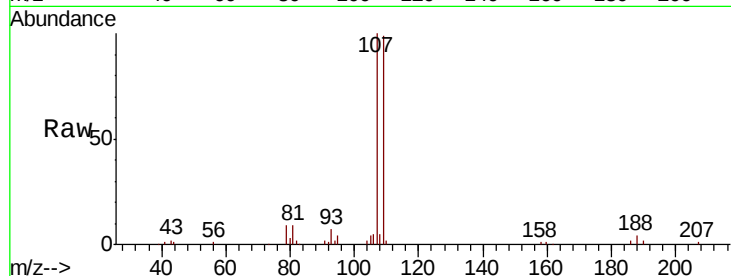




#61
 1,2-Dibromoethane
 Concen: 19.95 ug/l
 RT: 8.59 min Scan# 2488
 Delta R.T. 0.00 min
 Lab File: VU025755.D
 Acq: 31 Jul 2018 21:38

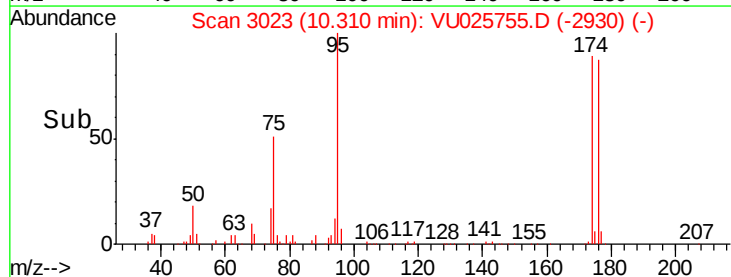
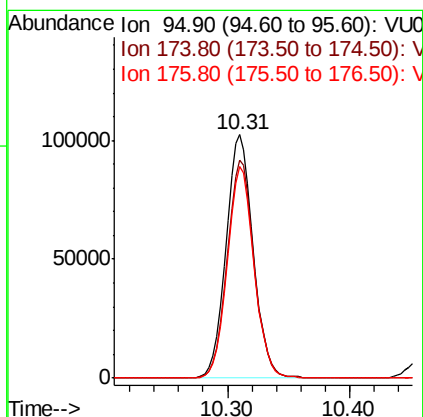
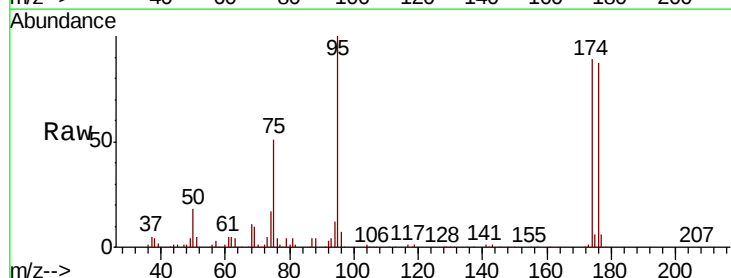
Instrument :
 MSVOA_U
 ClientSampleId :
 VU0801MBS01

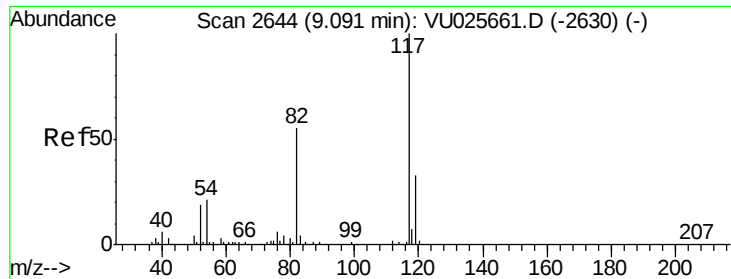
Tot Ion:107 Resp: 52999
 Ion Ratio Lower Upper
 107 100
 109 99.5 75.8 113.8



#62
 4-Bromofluorobenzene
 Concen: 49.75 ug/l
 RT: 10.31 min Scan# 3023
 Delta R.T. 0.00 min
 Lab File: VU025755.D
 Acq: 31 Jul 2018 21:38

Tgt Ion: 95 Resp: 159202
 Ion Ratio Lower Upper
 95 100
 174 89.0 0.0 172.2
 176 85.7 0.0 162.6

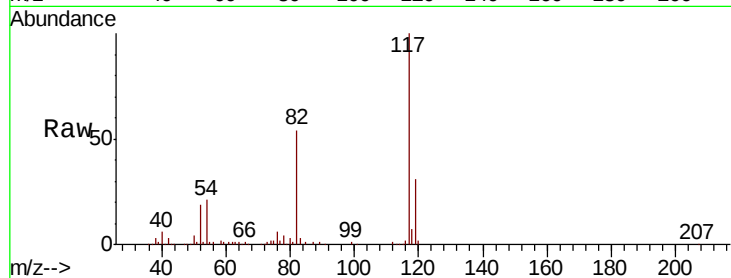




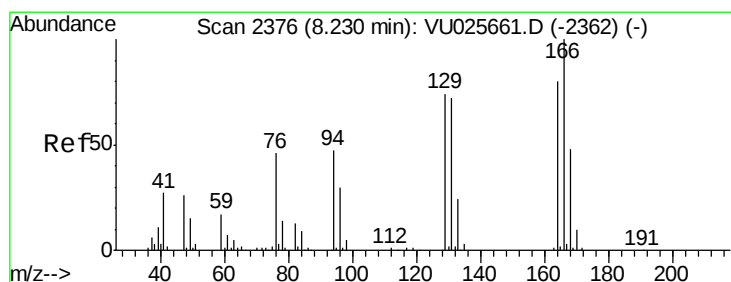
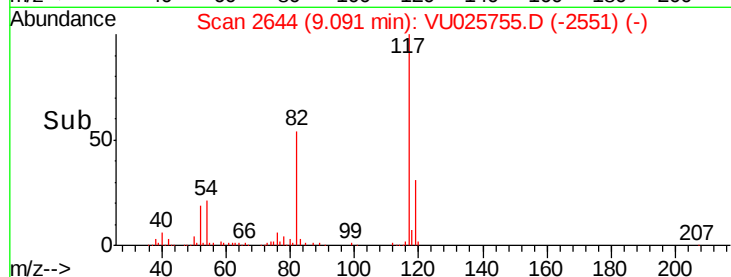
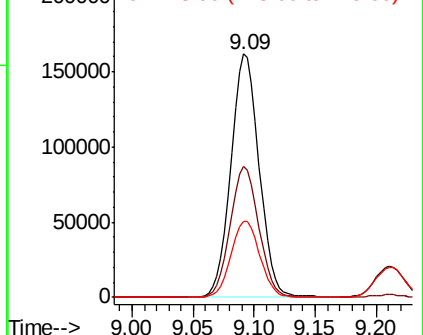
#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 9.09 min Scan# 2644
Delta R.T. 0.00 min
Lab File: VU025755.D
Acq: 31 Jul 2018 21:38

Instrument :
MSVOA_U
ClientSampleId :
VU0801MBS01

Tot Ion:117 Resp: 261419
Ion Ratio Lower Upper
117 100
82 53.9 46.0 69.0
119 31.2 26.0 39.0

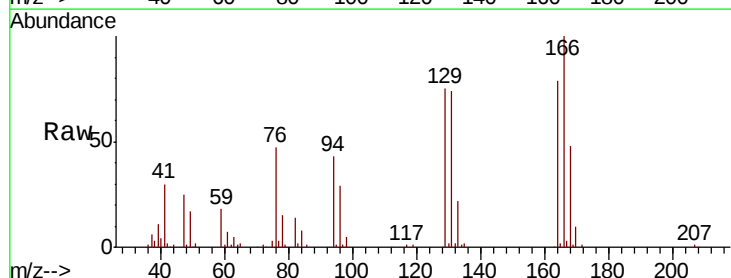


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): V
Ion 118.90 (118.60 to 119.60): V

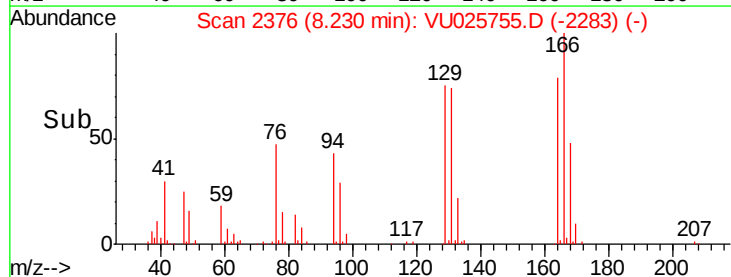
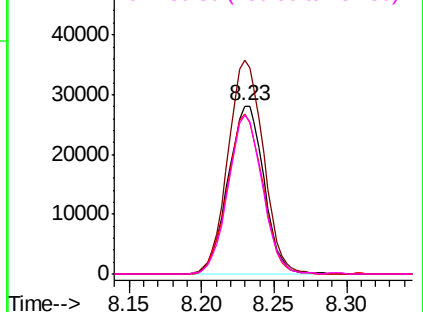


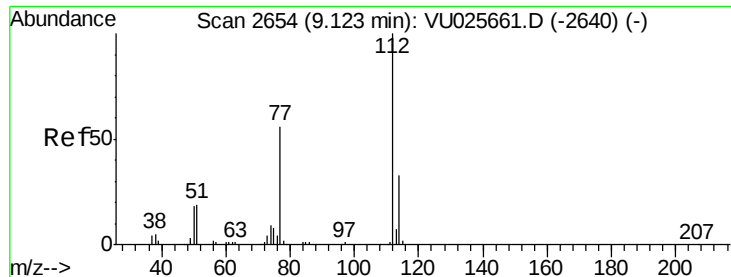
#64
Tetrachloroethene
Concen: 20.88 ug/l
RT: 8.23 min Scan# 2376
Delta R.T. 0.00 min
Lab File: VU025755.D
Acq: 31 Jul 2018 21:38

Tgt Ion:164 Resp: 48044
Ion Ratio Lower Upper
164 100
166 127.3 101.1 151.7
129 95.0 73.0 109.6
131 94.5 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

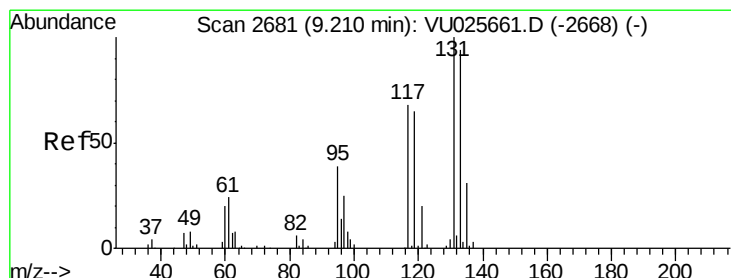
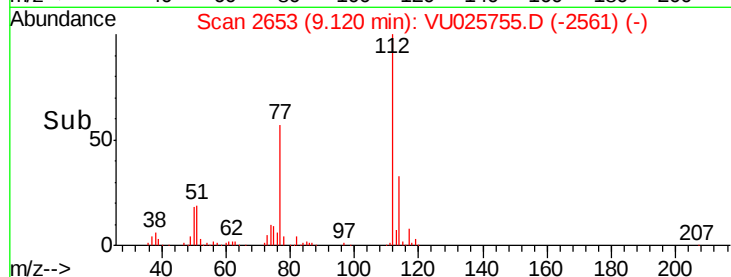
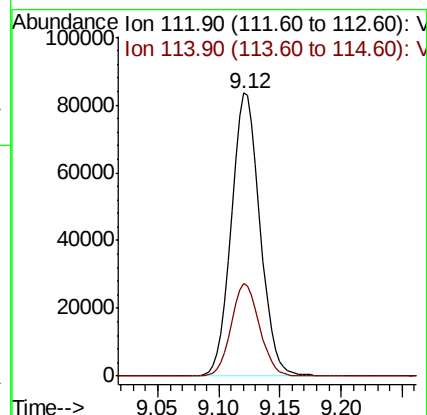
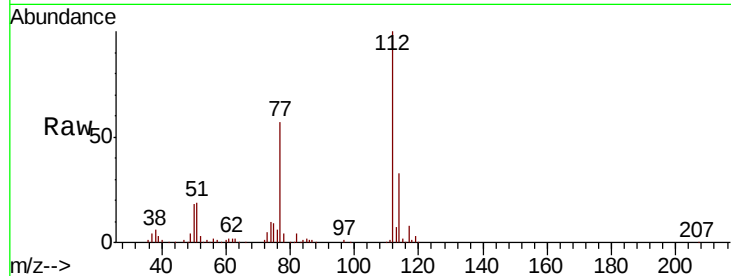




#65
Chlorobenzene
Concen: 20.40 ug/l
RT: 9.12 min Scan# 2653
Delta R.T. -0.00 min
Lab File: VU025755.D
Acq: 31 Jul 2018 21:38

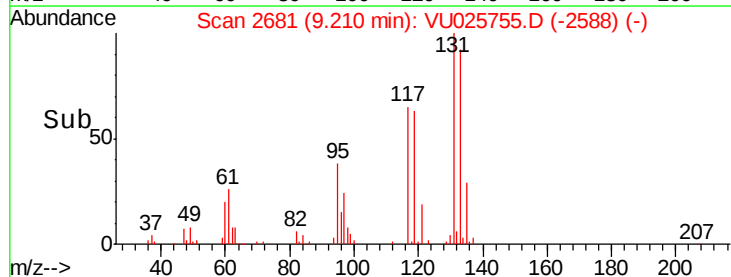
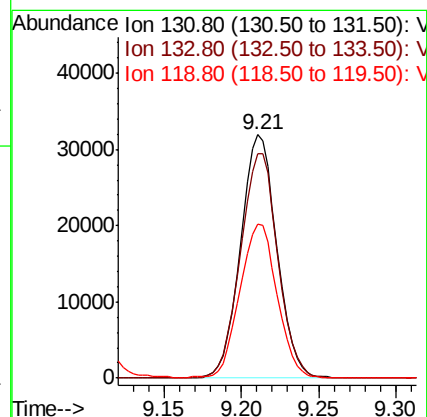
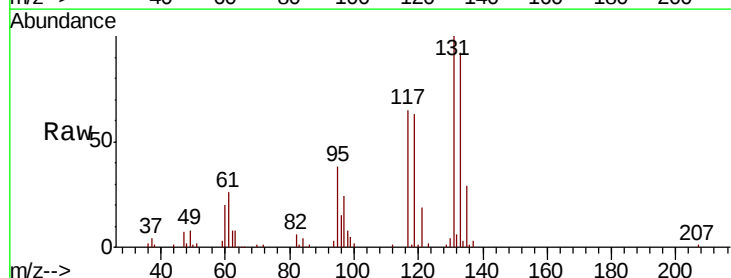
Instrument :
MSVOA_U
ClientSampleId :
VU0801MBS01

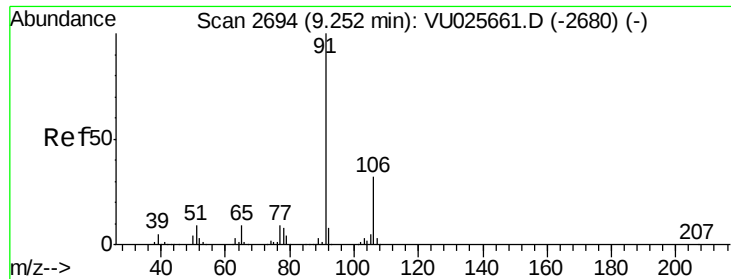
Tot Ion:112 Resp: 137478
Ion Ratio Lower Upper
112 100
114 32.6 25.8 38.8



#66
1,1,1,2-Tetrachloroethane
Concen: 21.33 ug/l
RT: 9.21 min Scan# 2681
Delta R.T. 0.00 min
Lab File: VU025755.D
Acq: 31 Jul 2018 21:38

Tgt Ion:131 Resp: 52011
Ion Ratio Lower Upper
131 100
133 95.0 47.8 143.3
119 65.0 31.6 95.0

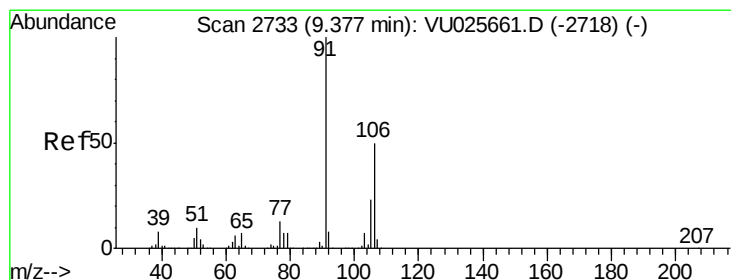
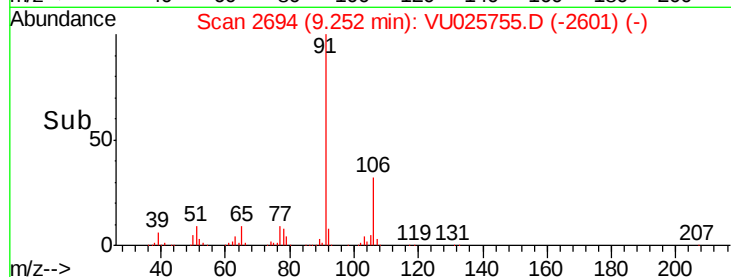
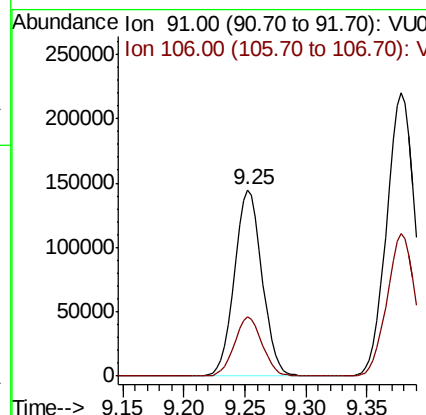
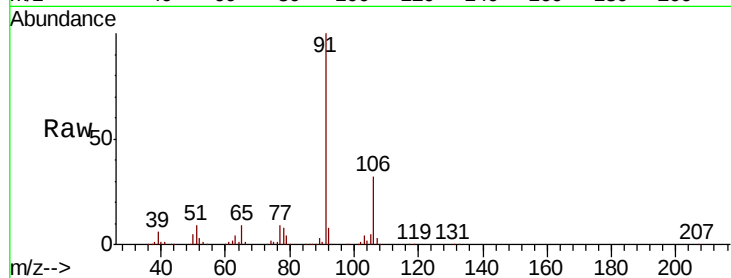




#67
Ethyl Benzene
Concen: 20.53 ug/l
RT: 9.25 min Scan# 2694
Delta R.T. 0.00 min
Lab File: VU025755.D
Acq: 31 Jul 2018 21:38

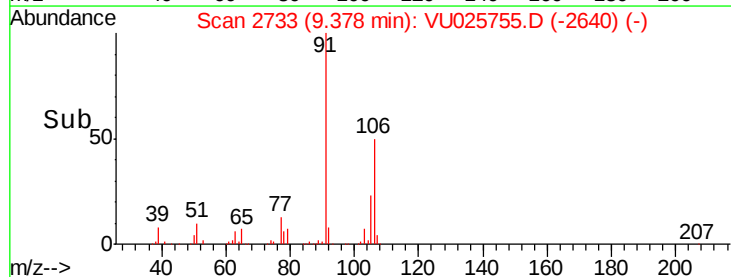
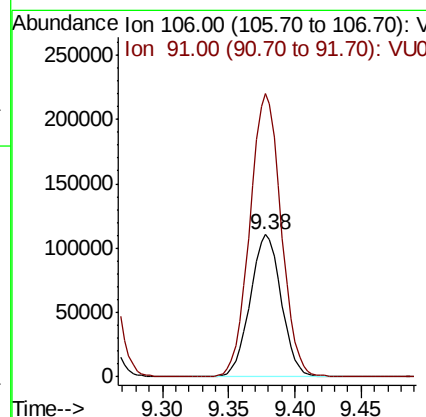
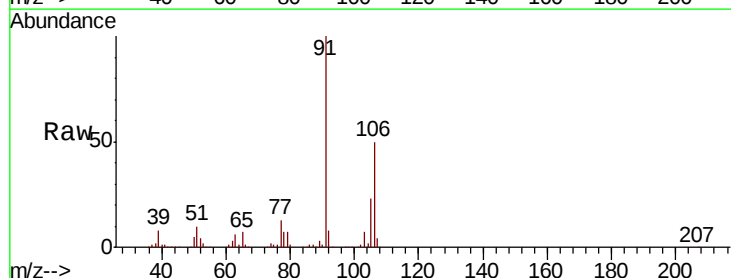
Instrument :
MSVOA_U
ClientSampleId :
VU0801MBS01

Tot Ion: 91 Resp: 229166
Ion Ratio Lower Upper
91 100
106 31.9 25.3 37.9



#68
m/p-Xylenes
Concen: 42.05 ug/l
RT: 9.38 min Scan# 2733
Delta R.T. 0.00 min
Lab File: VU025755.D
Acq: 31 Jul 2018 21:38

Tgt Ion: 106 Resp: 180224
Ion Ratio Lower Upper
106 100
91 199.6 162.3 243.5

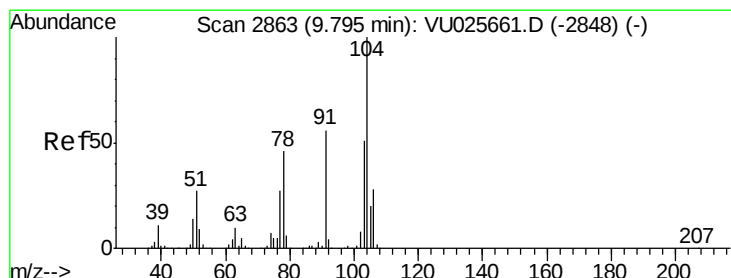
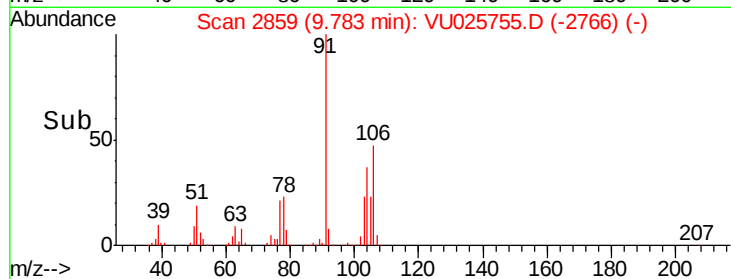
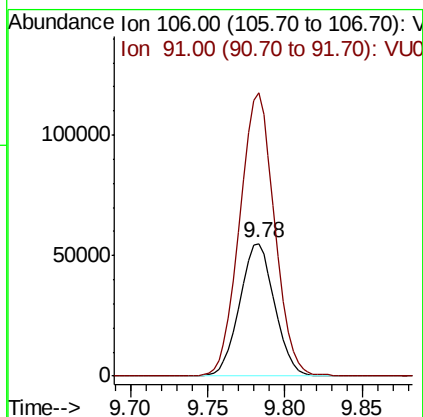
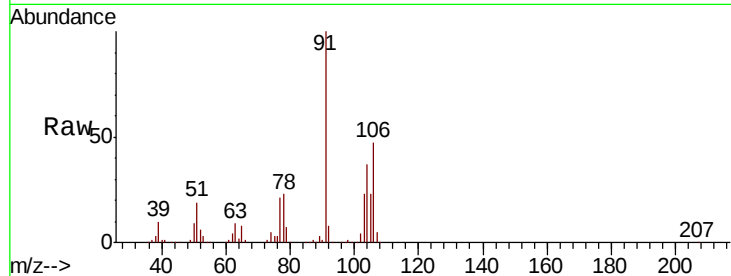




#69
o-Xylene
Concen: 20.64 ug/l
RT: 9.78 min Scan# 2859
Delta R.T. 0.00 min
Lab File: VU025755.D
Acq: 31 Jul 2018 21:38

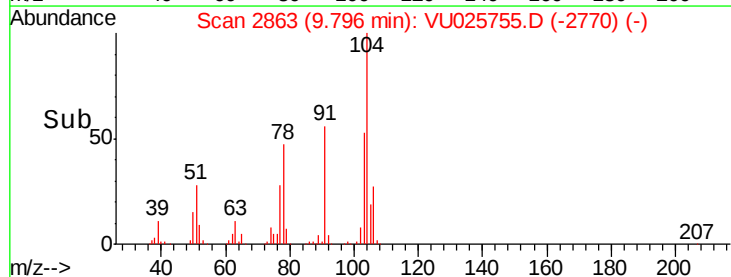
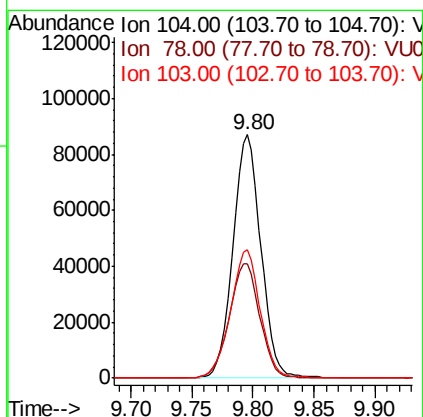
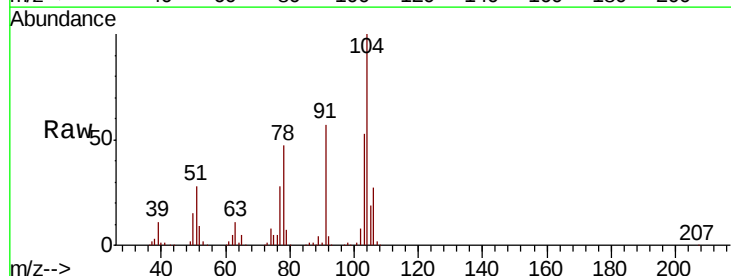
Instrument :
MSVOA_U
ClientSampleId :
VU0801MBS01

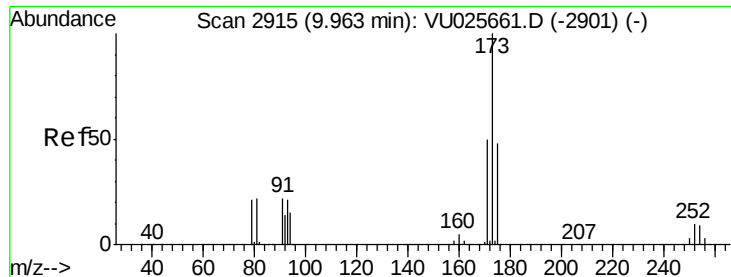
Tot Ion:106 Resp: 86457
Ion Ratio Lower Upper
106 100
91 213.7 105.3 315.8



#70
Styrene
Concen: 20.48 ug/l
RT: 9.80 min Scan# 2863
Delta R.T. 0.00 min
Lab File: VU025755.D
Acq: 31 Jul 2018 21:38

Tgt Ion:104 Resp: 138559
Ion Ratio Lower Upper
104 100
78 51.8 41.6 62.4
103 56.3 44.6 66.8





#71

Bromoform

Concen: 19.95 ug/l

RT: 9.96 min Scan# 2914

Delta R.T. -0.00 min

Lab File: VU025755.D

Acq: 31 Jul 2018 21:38

Instrument :

MSVOA_U

ClientSampleId :

VU0801MBS01

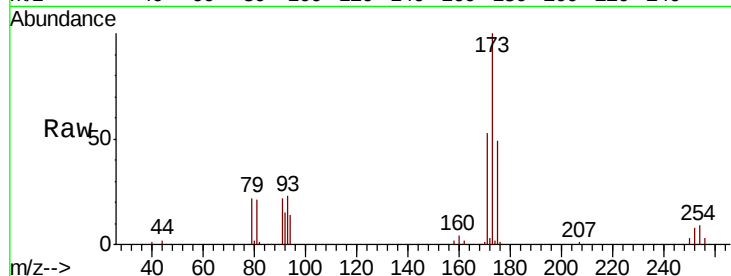
Tot Ion:173 Resp: 42186

Ion Ratio Lower Upper

173 100

175 48.8 24.0 72.0

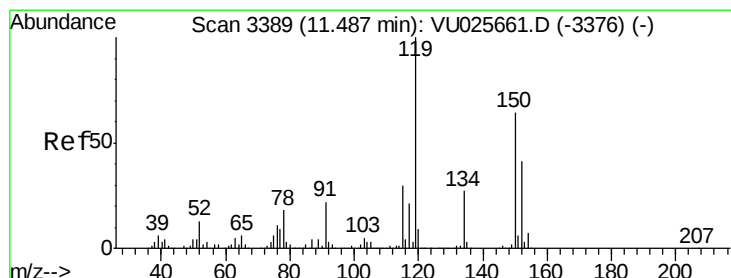
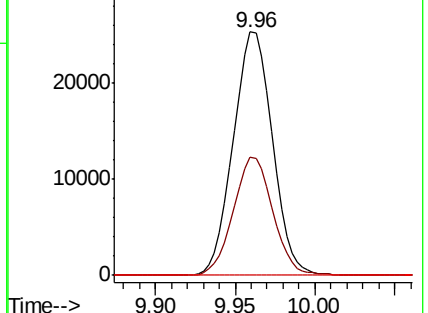
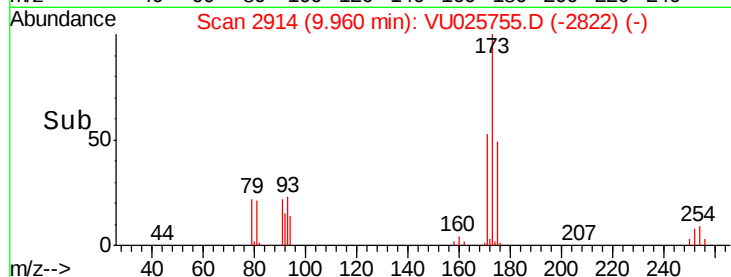
254 0.0 0.0 0.0



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: VU025755.D

Acq: 31 Jul 2018 21:38

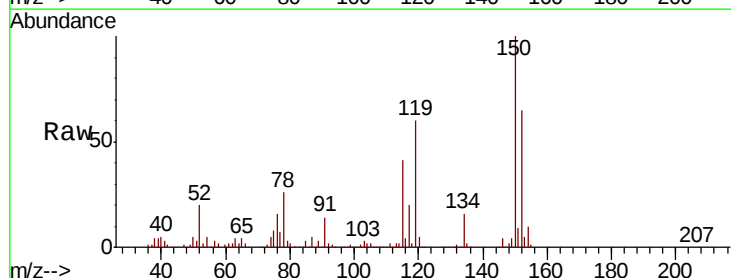
Tgt Ion:152 Resp: 165380

Ion Ratio Lower Upper

152 100

115 65.7 40.1 120.3

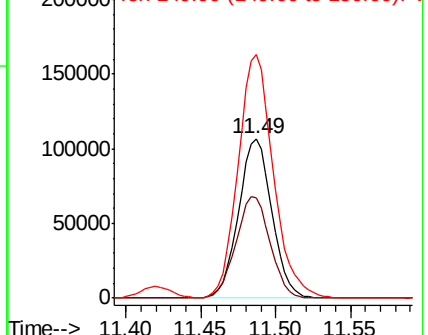
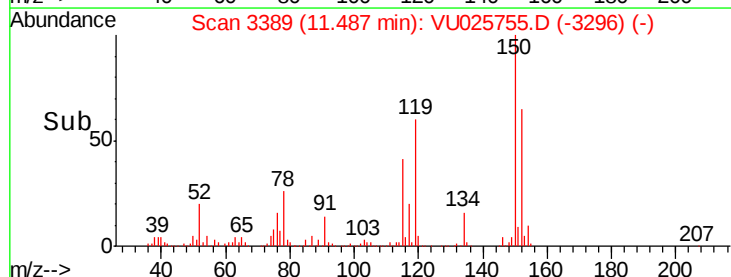
150 161.8 0.0 351.4



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: 20.78 ug/l

RT: 10.17 min Scan# 2979

Delta R.T. 0.00 min

Lab File: VU025755.D

Acq: 31 Jul 2018 21:38

Instrument :

MSVOA_U

ClientSampleId :

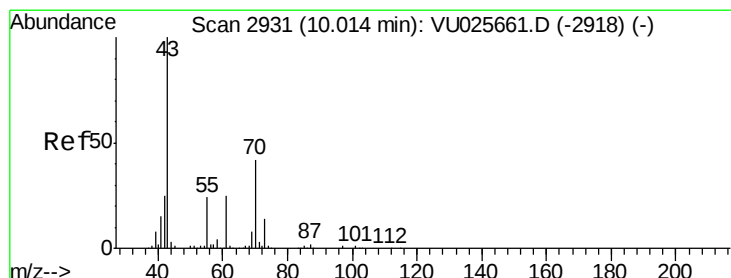
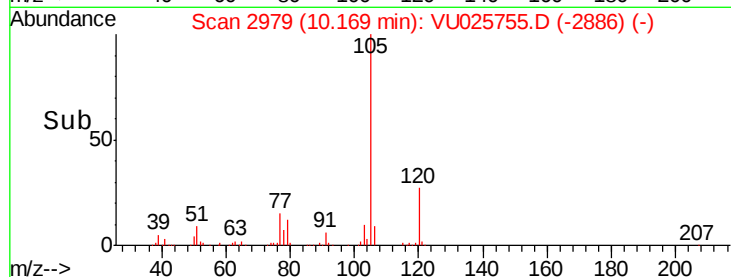
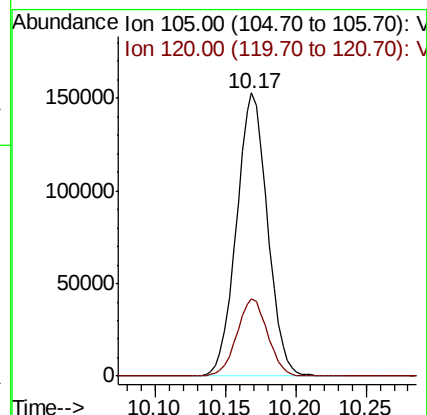
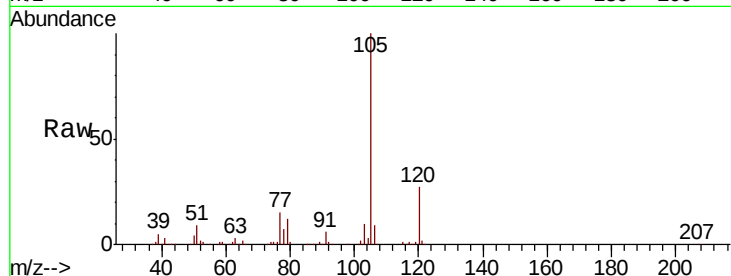
VU0801MBS01

Tot Ion:105 Resp: 234610

Ion Ratio Lower Upper

105 100

120 27.1 13.5 40.5



#74

N-ethyl acetate

Concen: 20.67 ug/l

RT: 10.01 min Scan# 2931

Delta R.T. 0.00 min

Lab File: VU025755.D

Acq: 31 Jul 2018 21:38

Tgt Ion: 43 Resp: 95231

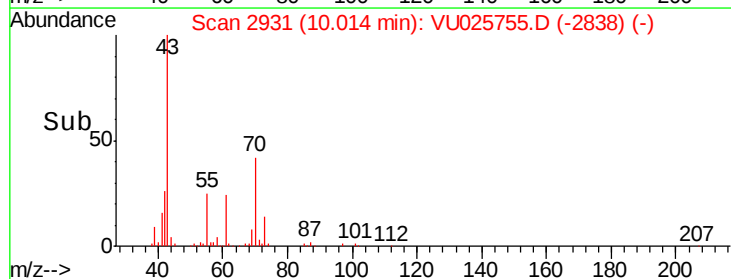
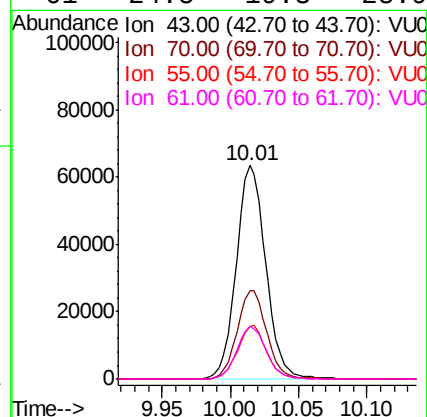
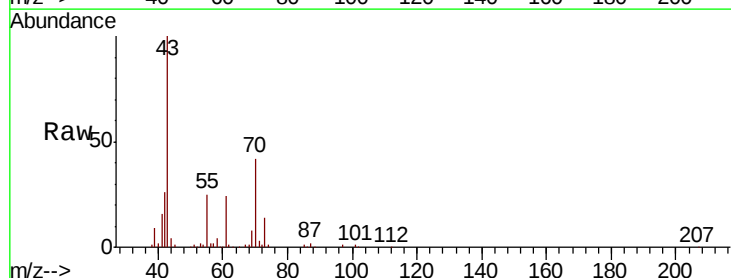
Ion Ratio Lower Upper

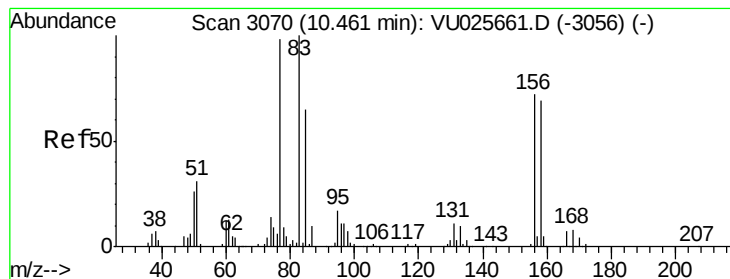
43 100

70 41.3 33.4 50.2

55 24.5 19.0 28.6

61 24.5 19.3 28.9





#75

1,1,2,2-Tetrachloroethane

Concen: 19.97 ug/l

RT: 10.46 min Scan# 3069

Delta R.T. -0.00 min

Lab File: VU025755.D

Acq: 31 Jul 2018 21:38

Instrument :

MSVOA_U

ClientSampleId :

VU0801MBS01

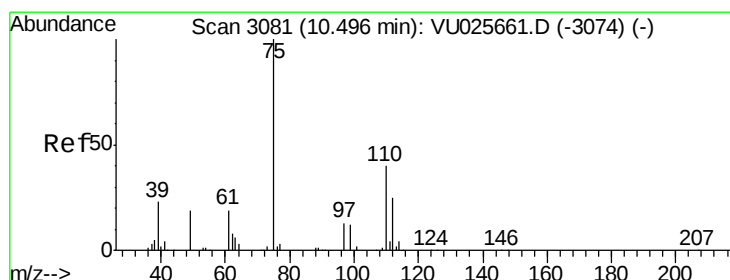
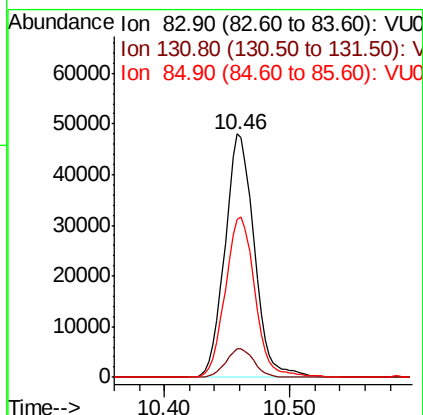
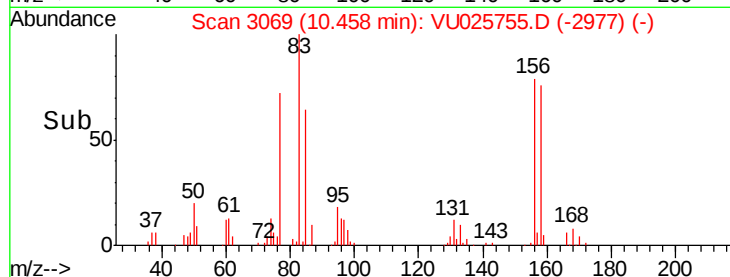
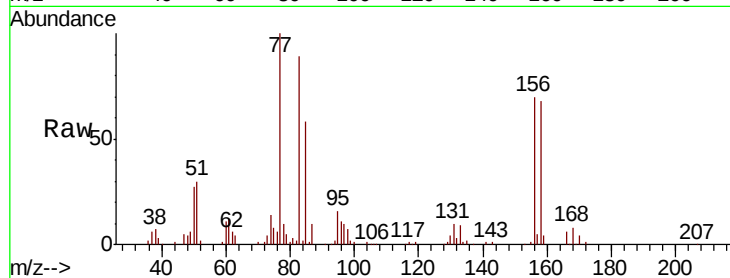
Tot Ion: 83 Resp: 77967

Ion	Ratio	Lower	Upper
83	100		
131	11.2	5.5	16.4
85	66.7	31.6	94.8

83 100

131 11.2 5.5 16.4

85 66.7 31.6 94.8



#76

1,2,3-Trichloropropane

Concen: 24.78 ug/l

RT: 10.50 min Scan# 3081

Delta R.T. 0.00 min

Lab File: VU025755.D

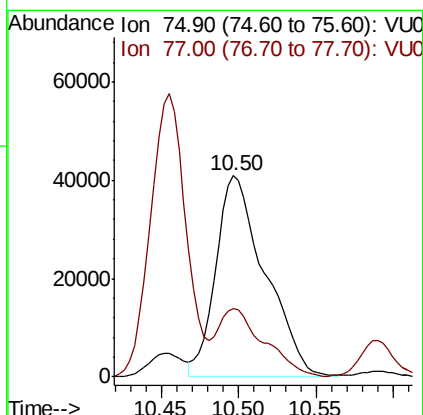
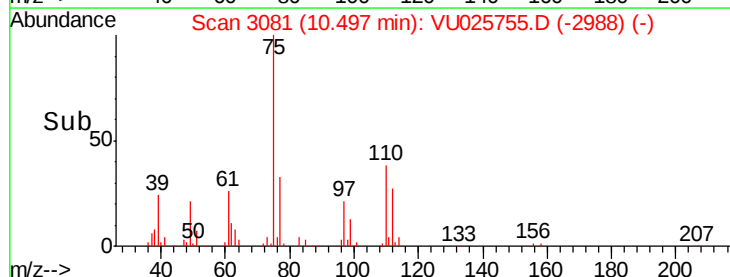
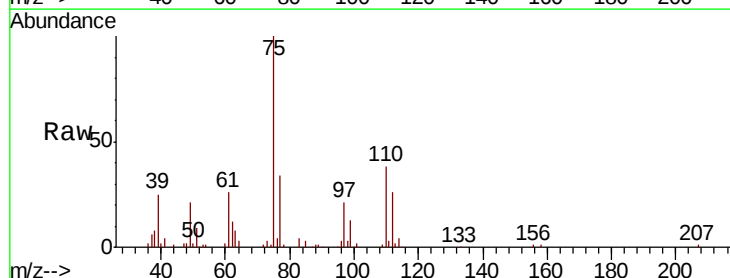
Acq: 31 Jul 2018 21:38

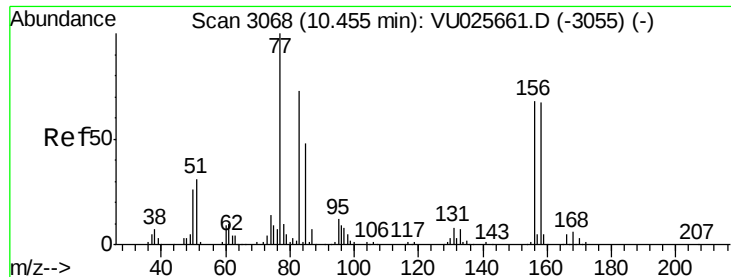
Tgt Ion: 75 Resp: 90281

Ion	Ratio	Lower	Upper
75	100		
77	31.9	20.4	61.3

75 100

77 31.9 20.4 61.3





#77

Bromobenzene

Concen: 20.37 ug/l

RT: 10.45 min Scan# 3068

Delta R.T. 0.00 min

Lab File: VU025755.D

Acq: 31 Jul 2018 21:38

Instrument :

MSVOA_U

ClientSampleId :

VU0801MBS01

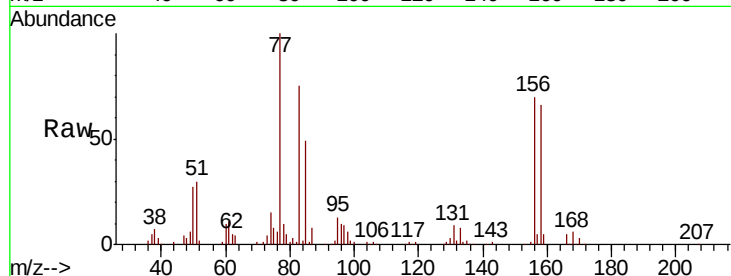
Tot Ion:156 Resp: 63411

Ion Ratio Lower Upper

156 100

77 145.8 73.8 221.4

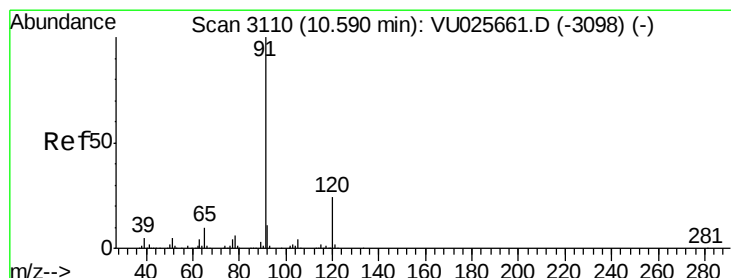
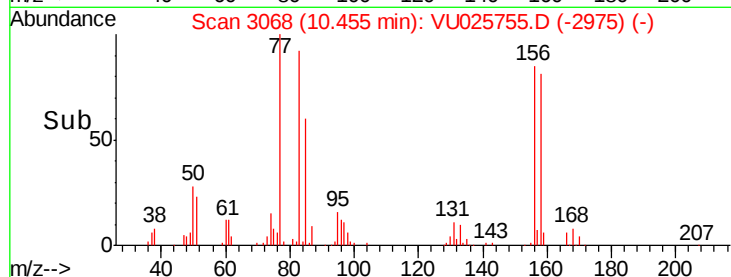
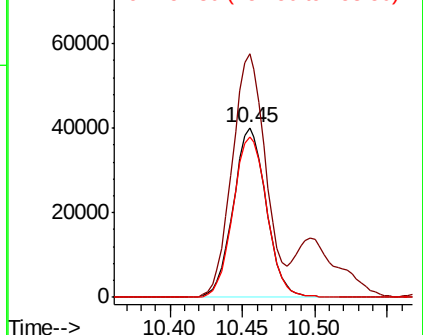
158 97.3 48.0 144.0



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: 20.53 ug/l

RT: 10.59 min Scan# 3110

Delta R.T. 0.00 min

Lab File: VU025755.D

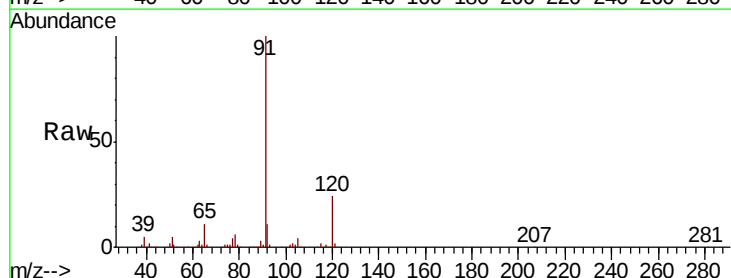
Acq: 31 Jul 2018 21:38

Tgt Ion: 91 Resp: 270468

Ion Ratio Lower Upper

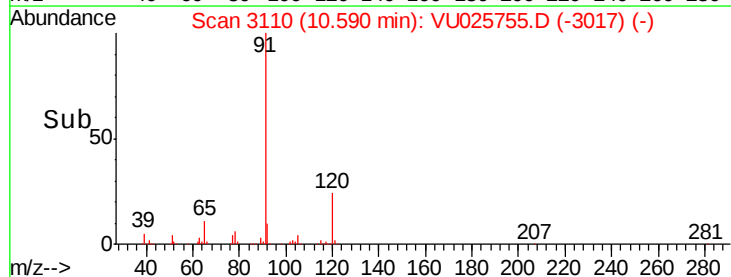
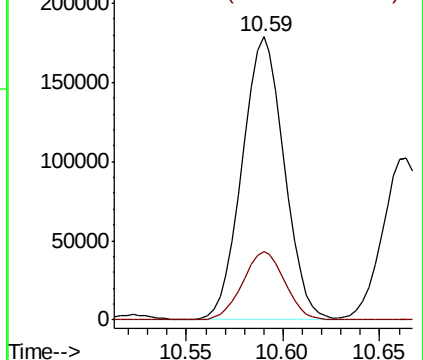
91 100

120 24.4 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: 20.78 ug/l

RT: 10.66 min Scan# 3133

Delta R.T. 0.00 min

Lab File: VU025755.D

Acq: 31 Jul 2018 21:38

Instrument :

MSVOA_U

ClientSampleId :

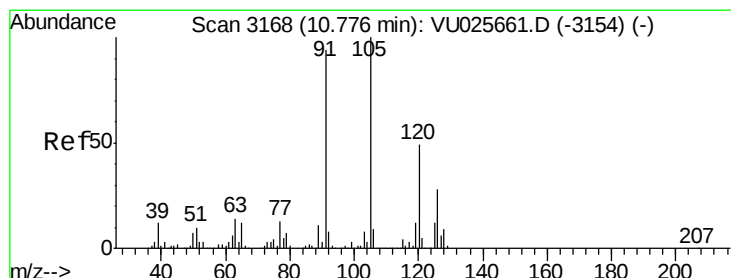
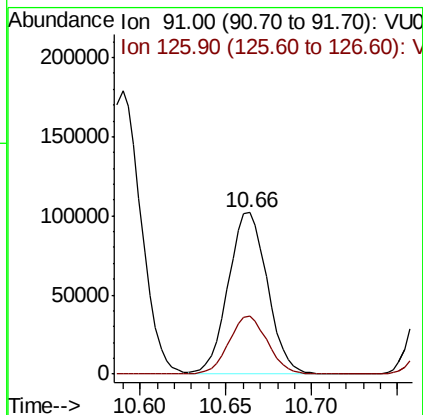
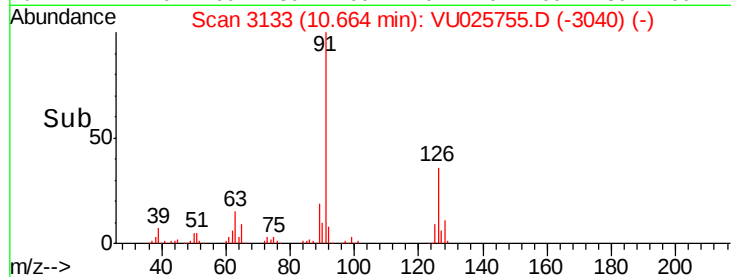
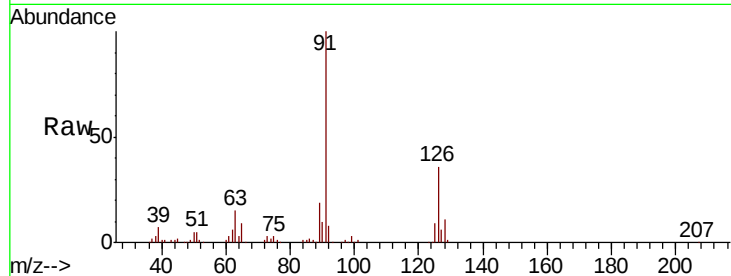
VU0801MBS01

Tot Ion: 91 Resp: 160370

Ion Ratio Lower Upper

91 100

126 36.0 17.5 52.6



#80

1,3,5-Trimethylbenzene

Concen: 20.86 ug/l

RT: 10.77 min Scan# 3167

Delta R.T. -0.00 min

Lab File: VU025755.D

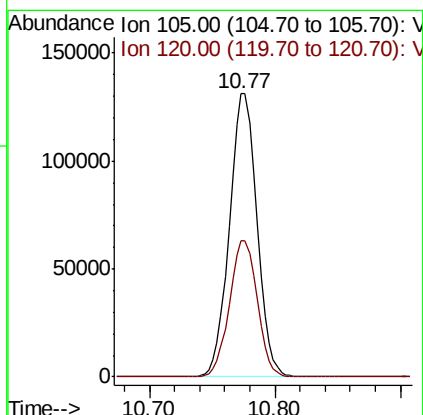
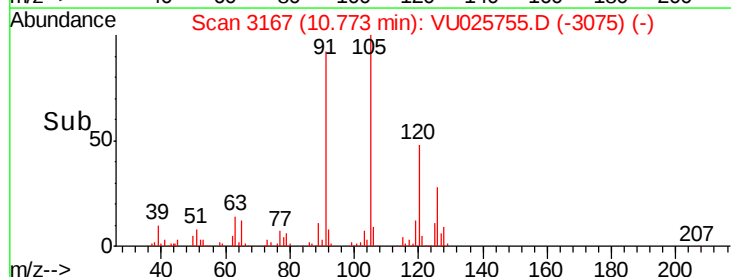
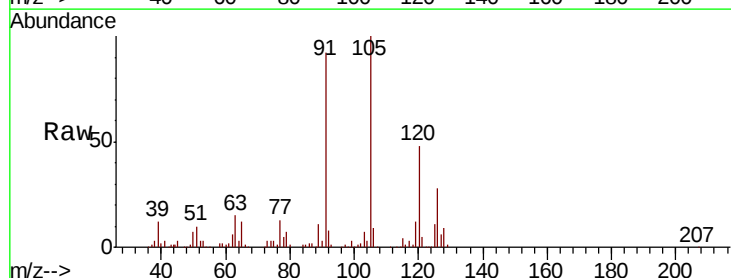
Acq: 31 Jul 2018 21:38

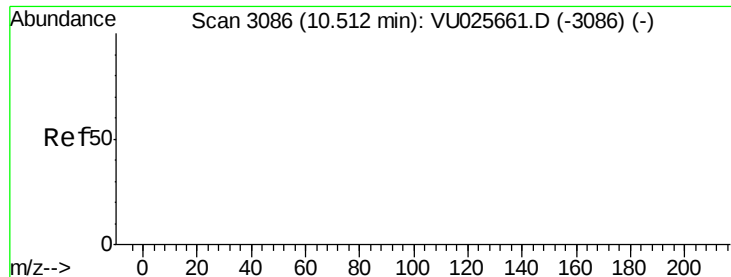
Tgt Ion: 105 Resp: 199992

Ion Ratio Lower Upper

105 100

120 48.6 24.1 72.2

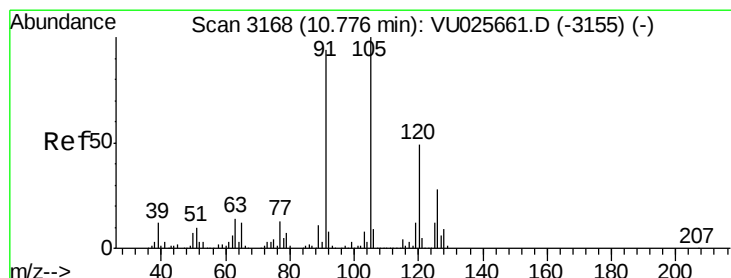
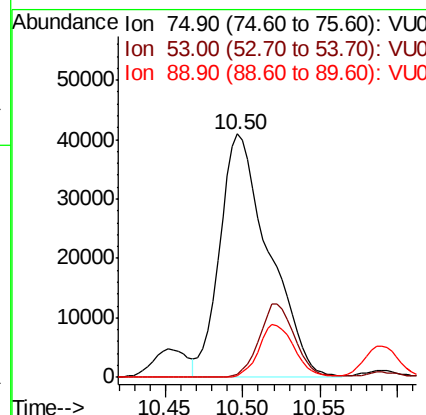
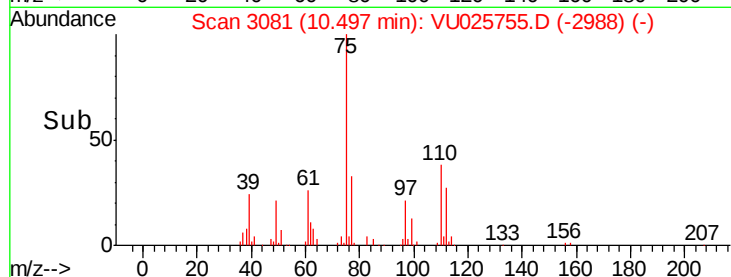
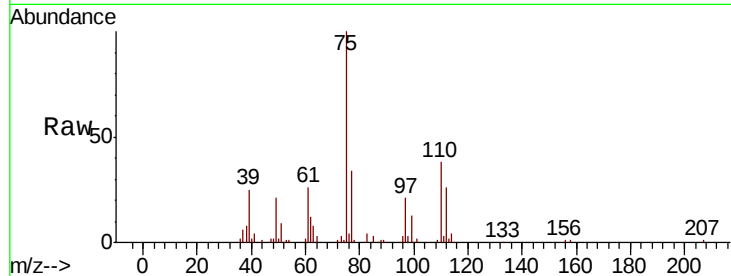




#81
trans-1,4-Dichloro-2-butene
Concen: 62.13 ug/l
RT: 10.50 min Scan# 3081
Delta R.T. 0.00 min
Lab File: VU025755.D
Acq: 31 Jul 2018 21:38

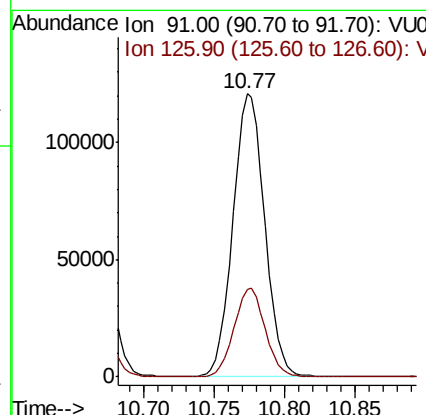
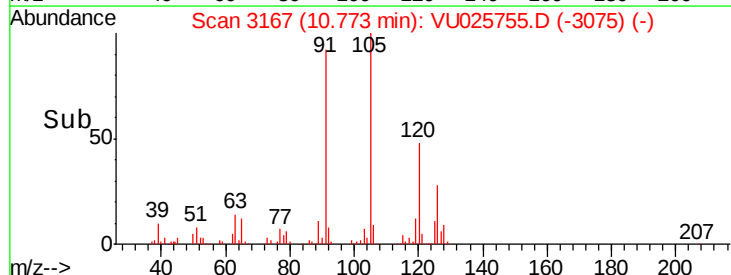
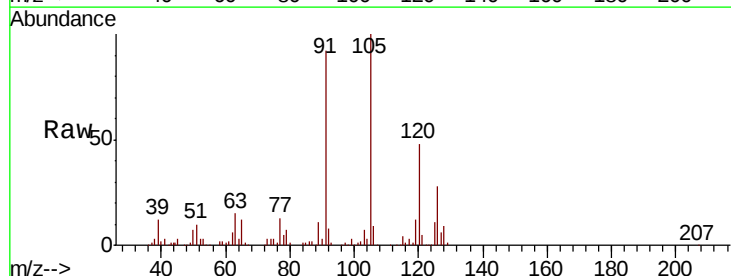
Instrument :
MSVOA_U
ClientSampleId :
VU0801MBS01

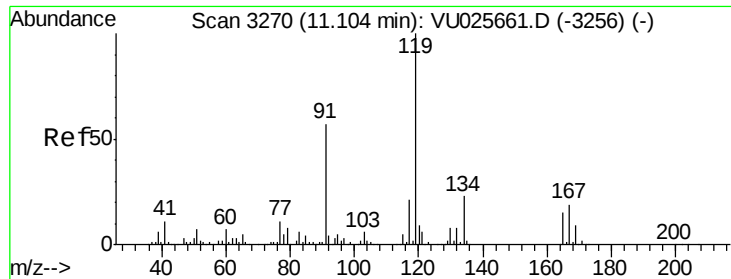
Tot Ion: 75 Resp: 90281
Ion Ratio Lower Upper
75 100
53 0.0 0.0 0.0
89 0.0 0.0 0.0



#82
4-Chlorotoluene
Concen: 20.85 ug/l
RT: 10.77 min Scan# 3167
Delta R.T. -0.00 min
Lab File: VU025755.D
Acq: 31 Jul 2018 21:38

Tgt Ion: 91 Resp: 189635
Ion Ratio Lower Upper
91 100
126 30.9 15.3 45.9

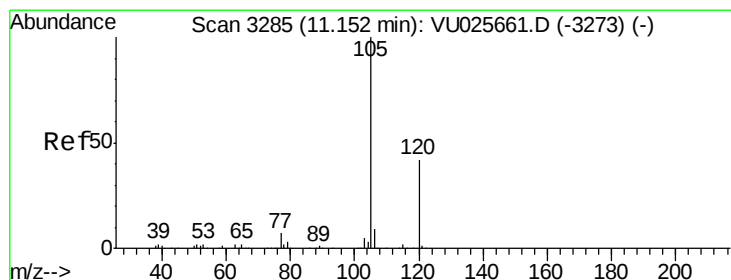
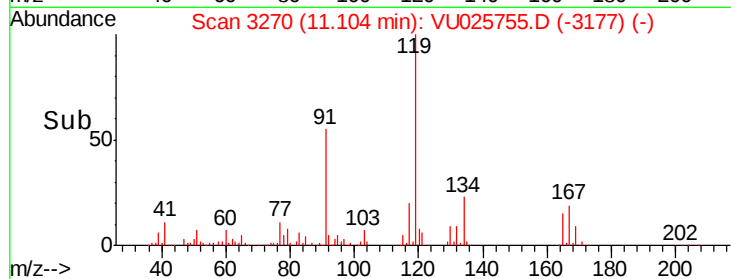
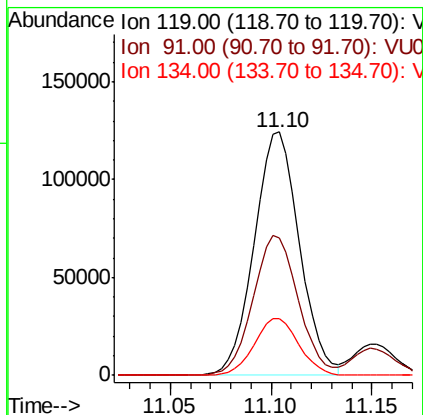
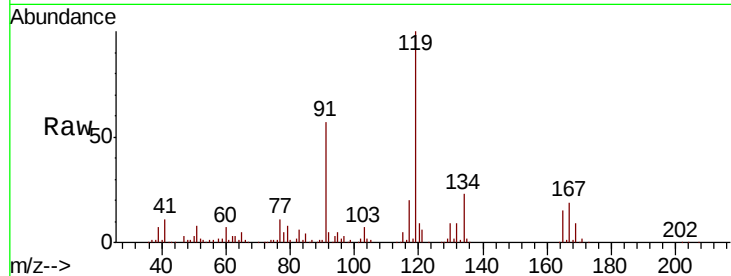




#83
 tert-Butylbenzene
 Concen: 20.44 ug/l
 RT: 11.10 min Scan# 3270
 Delta R.T. 0.00 min
 Lab File: VU025755.D
 Acq: 31 Jul 2018 21:38

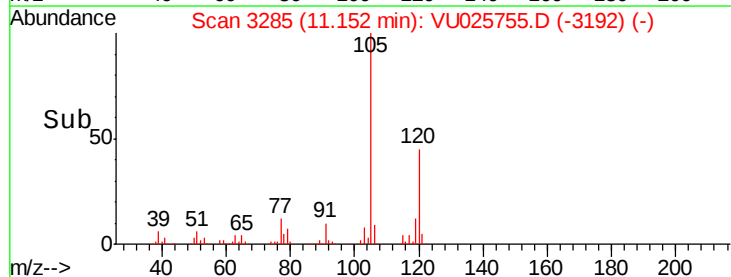
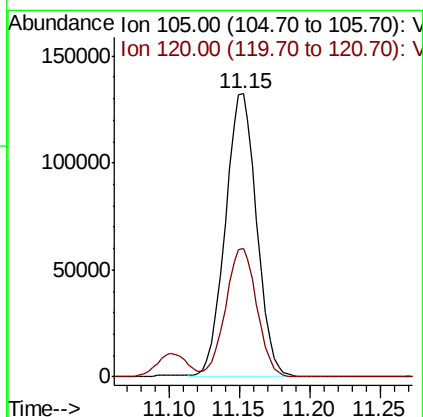
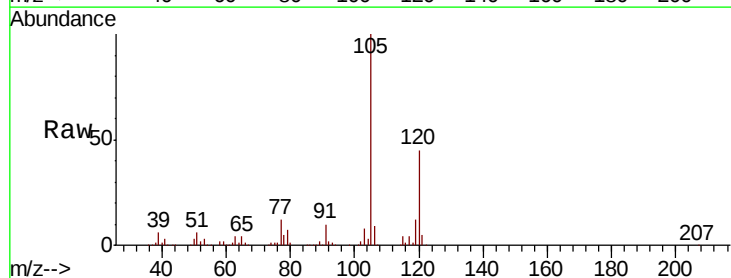
Instrument :
 MSVOA_U
 ClientSampleId :
 VU0801MBS01

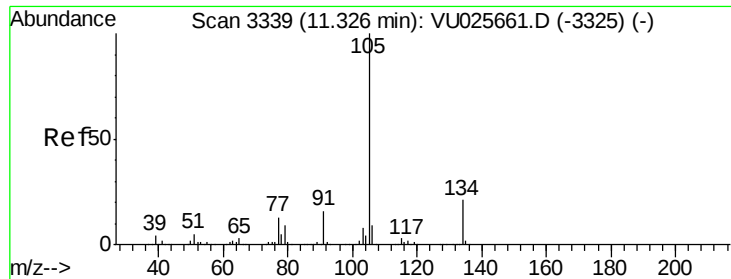
Tot Ion:119 Resp: 194639
 Ion Ratio Lower Upper
 119 100
 91 57.3 29.7 89.1
 134 23.0 11.5 34.5



#84
 1,2,4-Trimethylbenzene
 Concen: 21.08 ug/l
 RT: 11.15 min Scan# 3285
 Delta R.T. 0.00 min
 Lab File: VU025755.D
 Acq: 31 Jul 2018 21:38

Tgt Ion:105 Resp: 204820
 Ion Ratio Lower Upper
 105 100
 120 45.4 22.3 66.8

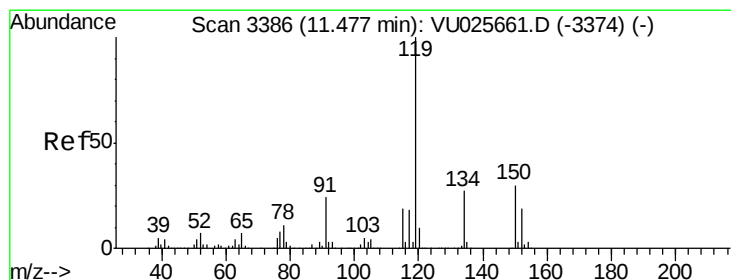
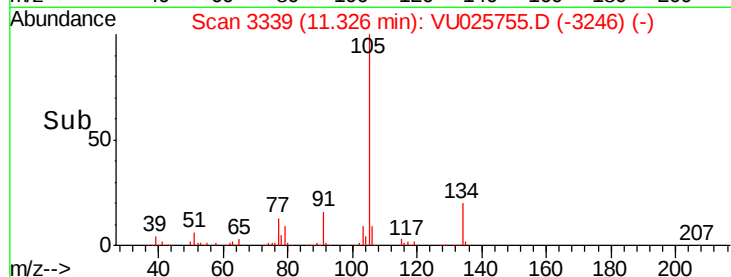
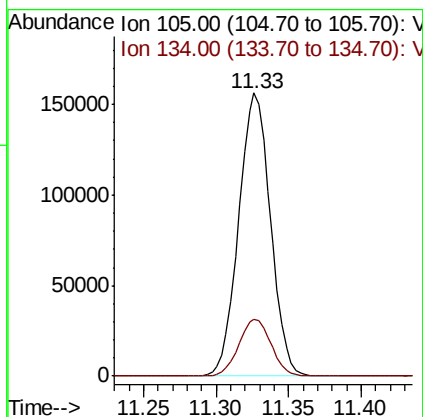
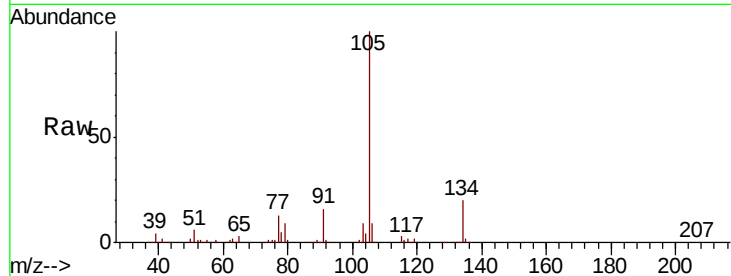




#85
 sec-Butylbenzene
 Concen: 20.45 ug/l
 RT: 11.33 min Scan# 3339
 Delta R.T. 0.00 min
 Lab File: VU025755.D
 Acq: 31 Jul 2018 21:38

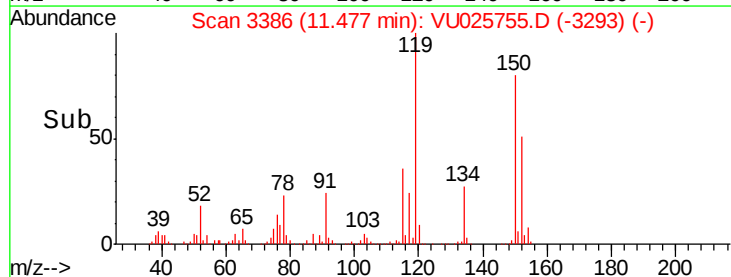
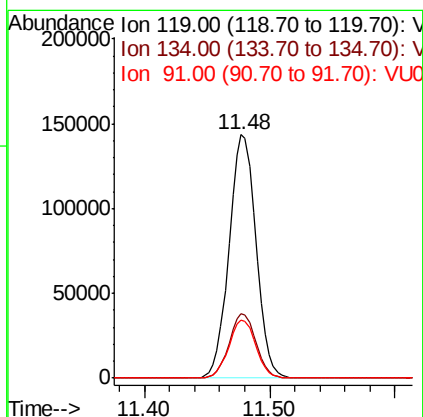
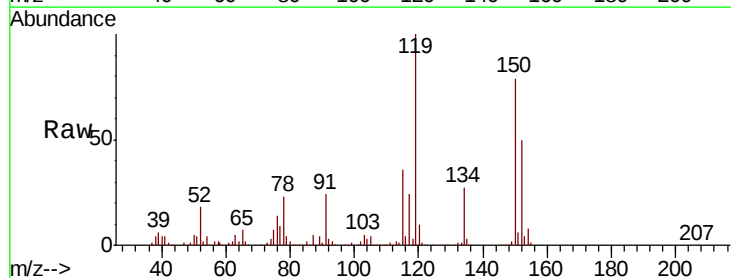
Instrument :
 MSVOA_U
 ClientSampleId :
 VU0801MBS01

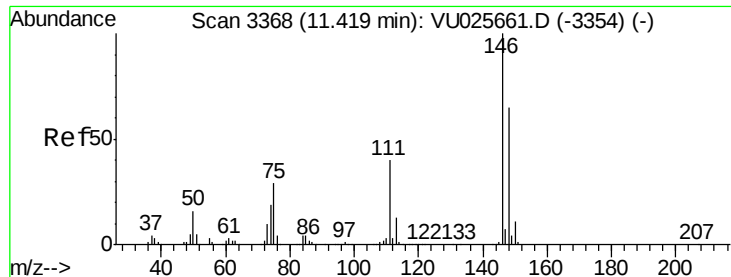
Tot Ion:105 Resp: 237824
 Ion Ratio Lower Upper
 105 100
 134 20.4 10.3 30.8



#86
 p-Isopropyltoluene
 Concen: 20.53 ug/l
 RT: 11.48 min Scan# 3386
 Delta R.T. 0.00 min
 Lab File: VU025755.D
 Acq: 31 Jul 2018 21:38

Tgt Ion:119 Resp: 213791
 Ion Ratio Lower Upper
 119 100
 134 26.4 13.2 39.5
 91 24.1 12.0 36.1





#87

1,3-Dichlorobenzene

Concen: 20.30 ug/l

RT: 11.42 min Scan# 3368

Delta R.T. 0.00 min

Lab File: VU025755.D

Acq: 31 Jul 2018 21:38

Instrument :

MSVOA_U

ClientSampleId :

VU0801MBS01

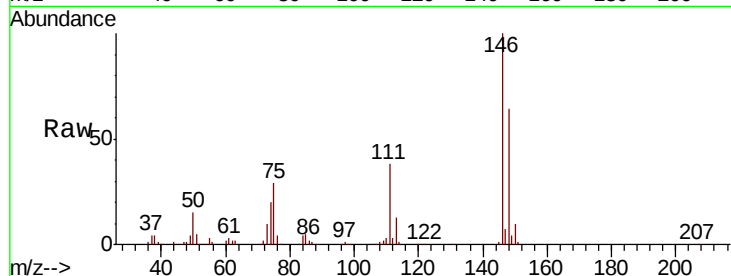
Tot Ion:146 Resp: 117295

Ion Ratio Lower Upper

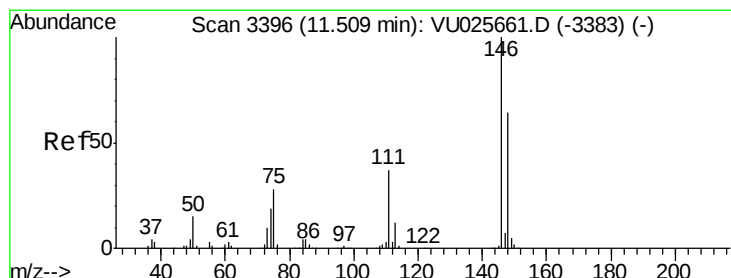
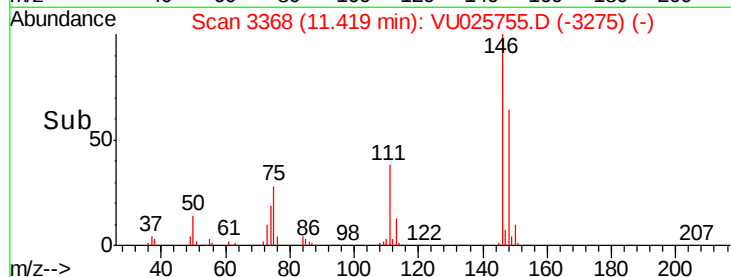
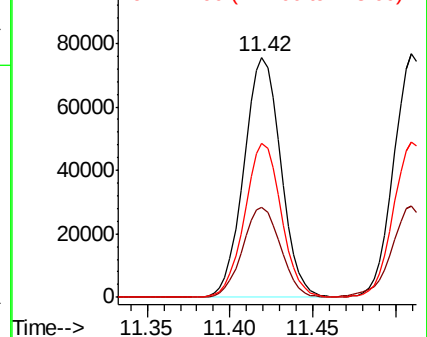
146 100

111 38.7 19.7 59.1

148 63.6 32.1 96.3



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



#88

1,4-Dichlorobenzene

Concen: 19.71 ug/l

RT: 11.51 min Scan# 3396

Delta R.T. 0.00 min

Lab File: VU025755.D

Acq: 31 Jul 2018 21:38

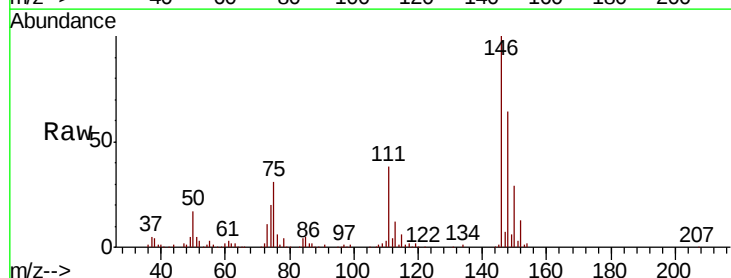
Tgt Ion:146 Resp: 118764

Ion Ratio Lower Upper

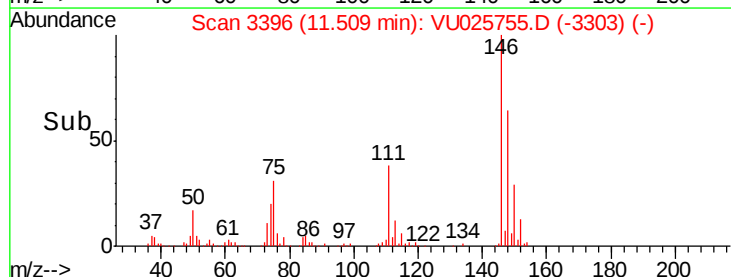
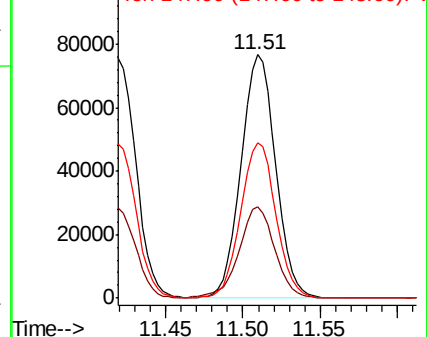
146 100

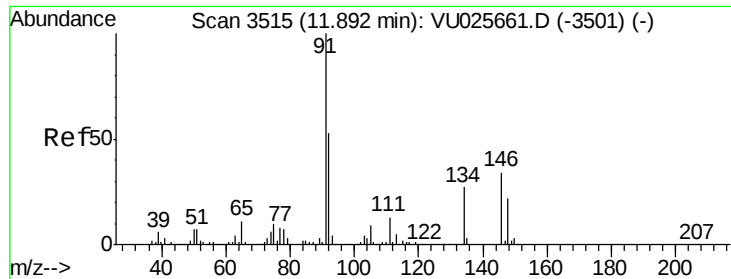
111 38.8 19.4 58.1

148 65.3 31.7 95.1



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





#89

n-Butylbenzene

Concen: 19.35 ug/l

RT: 11.89 min Scan# 3515

Delta R.T. 0.00 min

Lab File: VU025755.D

Acq: 31 Jul 2018 21:38

Instrument :

MSVOA_U

ClientSampleId :

VU0801MBS01

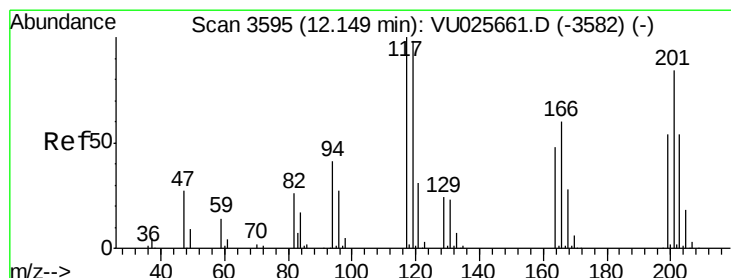
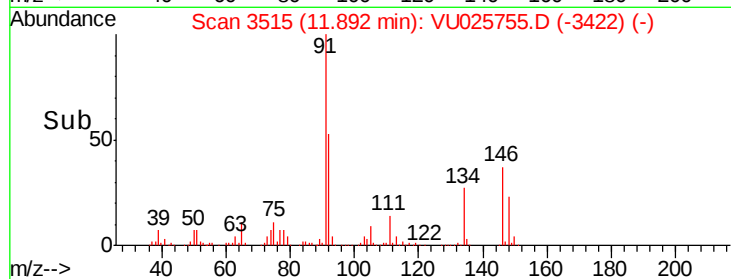
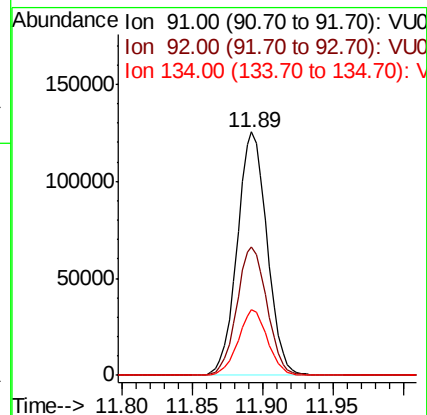
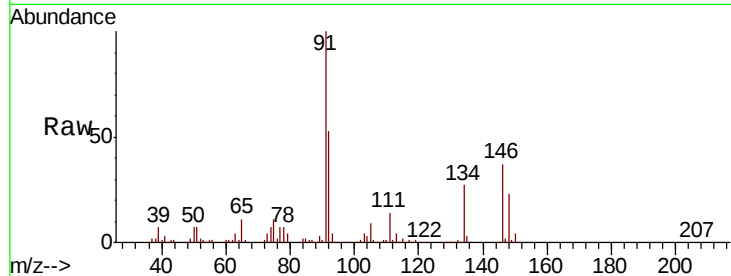
Tot Ion: 91 Resp: 185907

Ion Ratio Lower Upper

91 100

92 53.3 26.5 79.5

134 26.4 13.6 40.7



#90

Hexachloroethane

Concen: 19.52 ug/l

RT: 12.15 min Scan# 3595

Delta R.T. 0.00 min

Lab File: VU025755.D

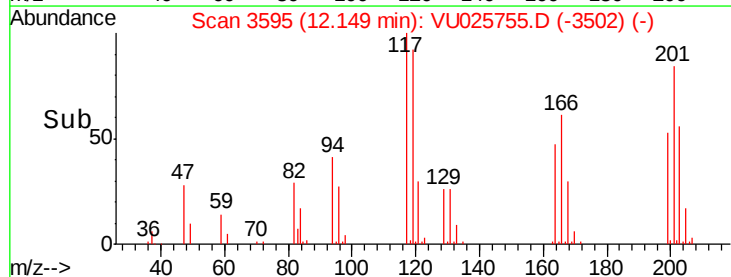
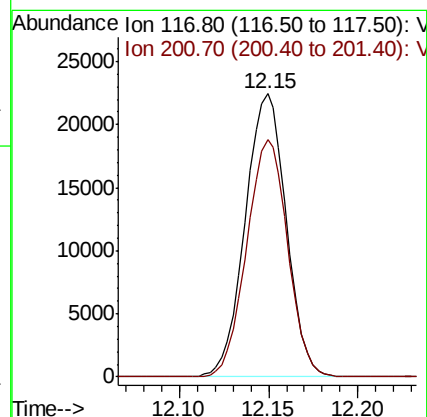
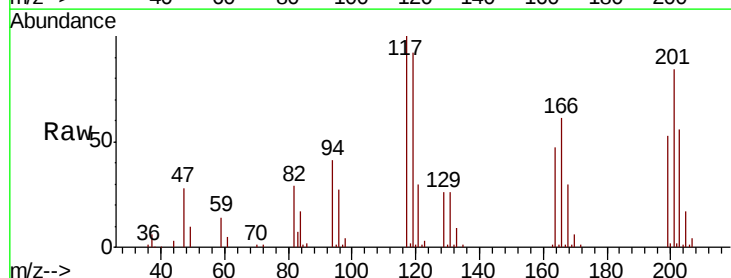
Acq: 31 Jul 2018 21:38

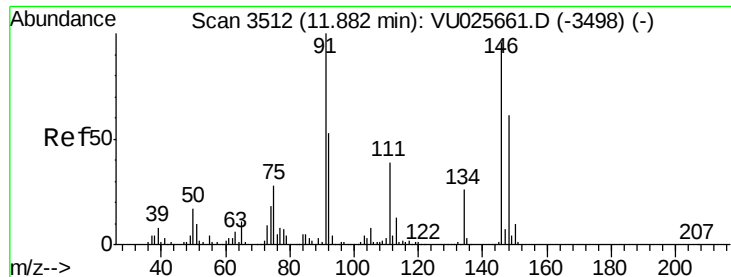
Tgt Ion: 117 Resp: 36135

Ion Ratio Lower Upper

117 100

201 83.8 42.5 127.6

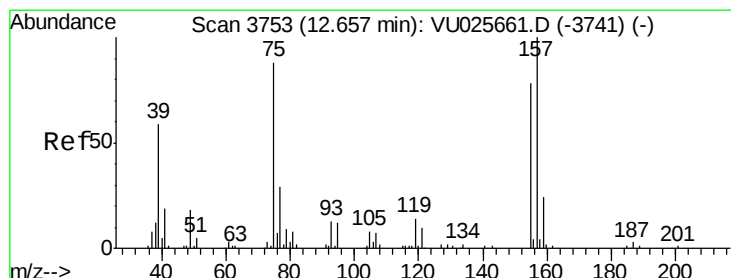
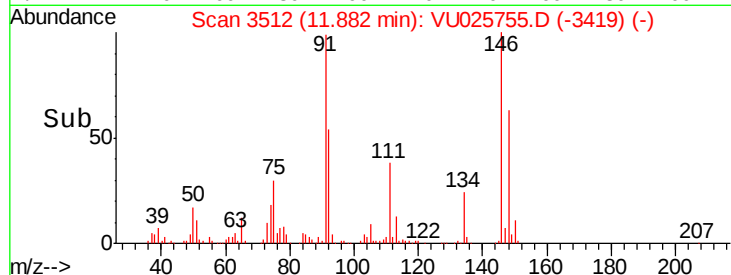
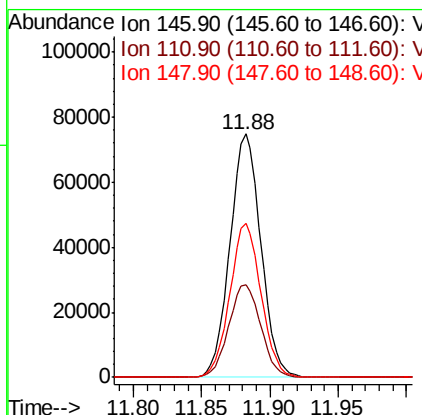
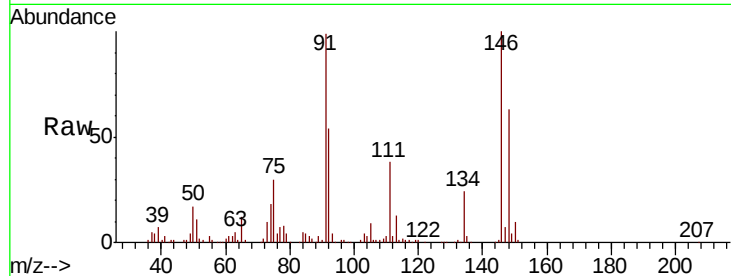




#91
1,2-Dichlorobenzene
Concen: 20.79 ug/l
RT: 11.88 min Scan# 3512
Delta R.T. 0.00 min
Lab File: VU025755.D
Acq: 31 Jul 2018 21:38

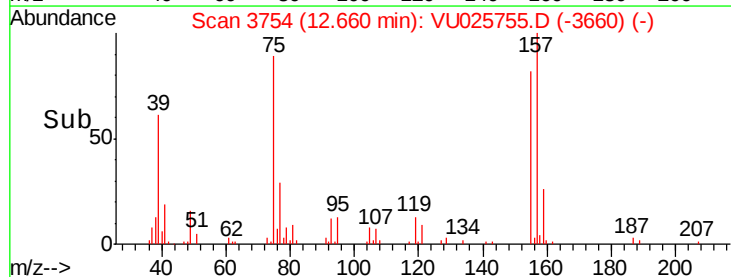
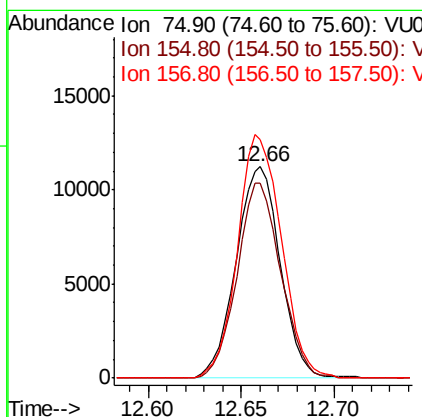
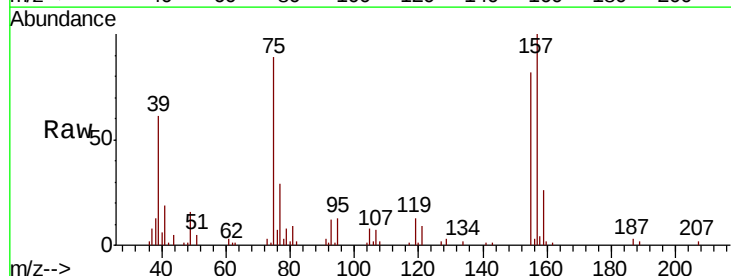
Instrument :
MSVOA_U
ClientSampleId :
VU0801MBS01

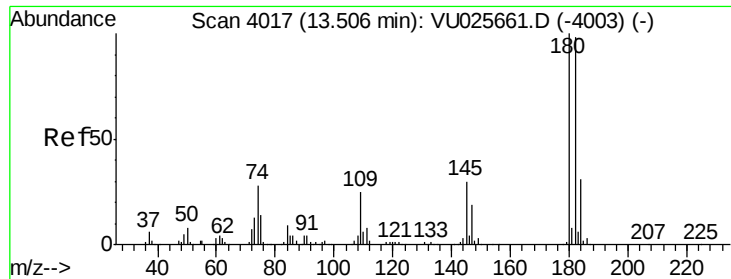
Tot Ion:146 Resp: 117753
Ion Ratio Lower Upper
146 100
111 39.4 20.6 61.8
148 63.8 31.5 94.5



#92
1,2-Dibromo-3-Chloropropane
Concen: 20.06 ug/l
RT: 12.66 min Scan# 3754
Delta R.T. 0.00 min
Lab File: VU025755.D
Acq: 31 Jul 2018 21:38

Tgt Ion: 75 Resp: 18560
Ion Ratio Lower Upper
75 100
155 91.0 44.5 133.3
157 114.2 57.0 170.8

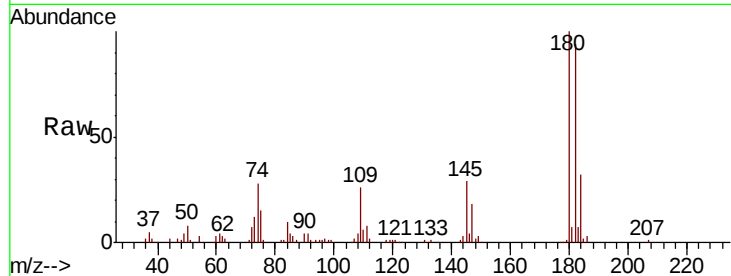




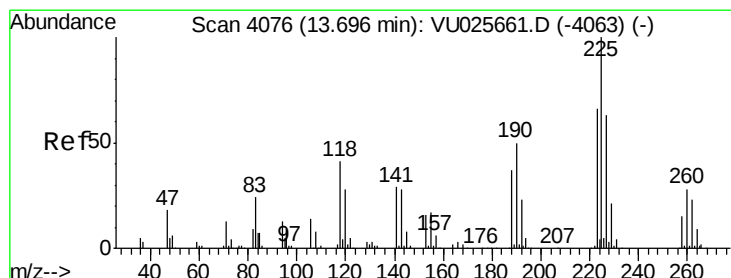
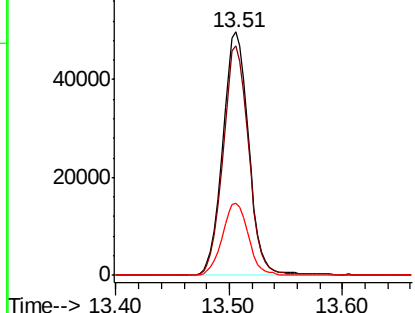
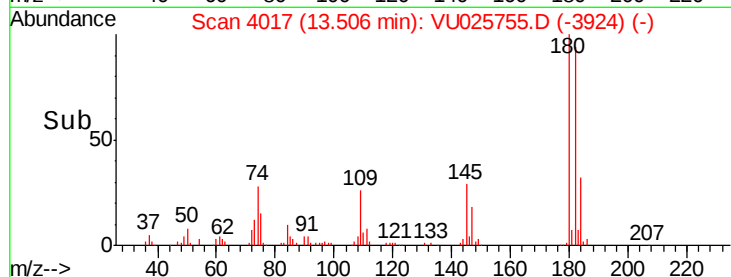
#93
 1,2,4-Trichlorobenzene
 Concen: 20.82 ug/l
 RT: 13.51 min Scan# 4017
 Delta R.T. 0.00 min
 Lab File: VU025755.D
 Acq: 31 Jul 2018 21:38

Instrument :
 MSVOA_U
 ClientSampleId :
 VU0801MBS01

Tot Ion:180 Resp: 79579
 Ion Ratio Lower Upper
 180 100
 182 92.7 47.3 141.9
 145 29.5 14.9 44.7

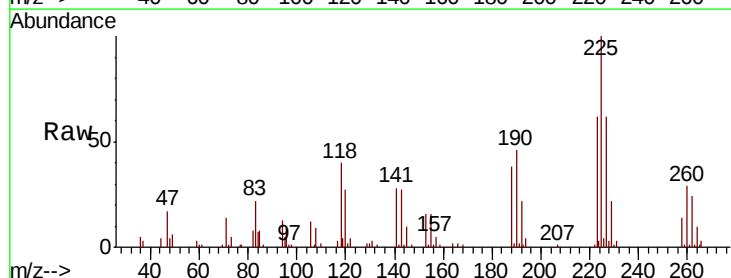


Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

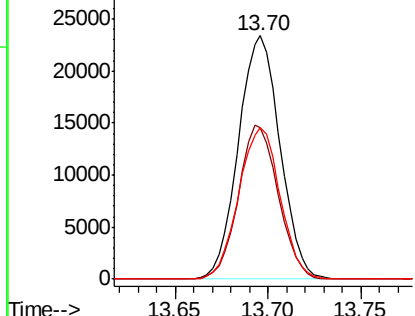
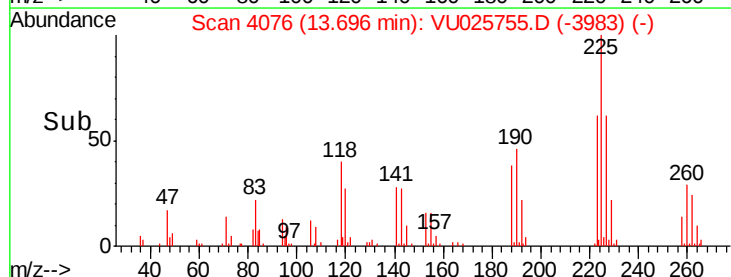


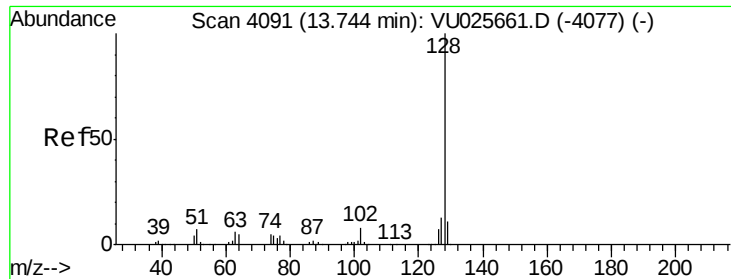
#94
 Hexachlorobutadiene
 Concen: 18.06 ug/l
 RT: 13.70 min Scan# 4076
 Delta R.T. 0.00 min
 Lab File: VU025755.D
 Acq: 31 Jul 2018 21:38

Tgt Ion:225 Resp: 36392
 Ion Ratio Lower Upper
 225 100
 223 60.7 31.9 95.7
 227 61.9 32.3 96.9



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

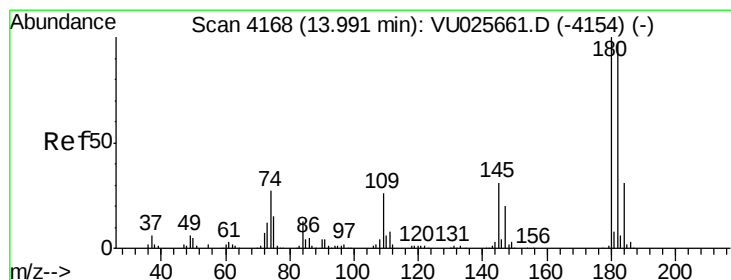
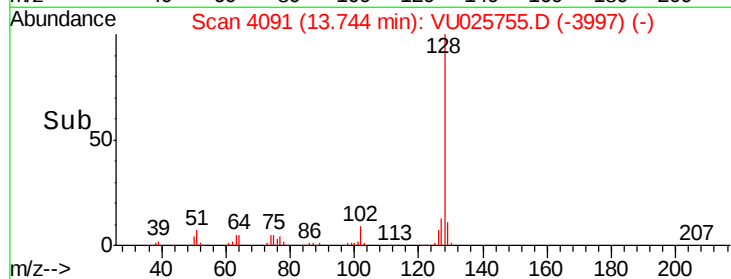
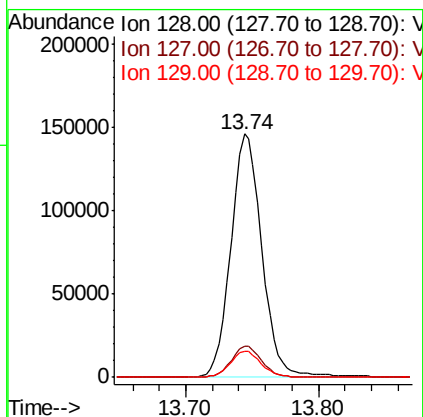
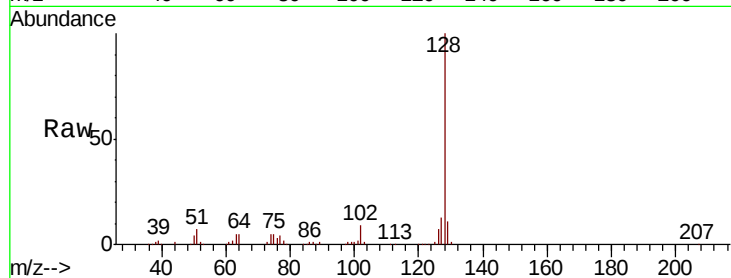




#95
Naphthalene
Concen: 20.08 ug/l
RT: 13.74 min Scan# 4091
Delta R.T. 0.00 min
Lab File: VU025755.D
Acq: 31 Jul 2018 21:38

Instrument :
MSVOA_U
ClientSampleId :
VU0801MBS01

Tot Ion:128 Resp: 237201
Ion Ratio Lower Upper
128 100
127 12.8 10.5 15.7
129 10.5 8.3 12.5



#96
1,2,3-Trichlorobenzene
Concen: 20.72 ug/l
RT: 13.99 min Scan# 4167
Delta R.T. -0.00 min
Lab File: VU025755.D
Acq: 31 Jul 2018 21:38

Tgt Ion:180 Resp: 79010
Ion Ratio Lower Upper
180 100
182 95.3 47.8 143.3
145 31.7 15.6 46.8

