

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU072718\
 Data File : VU025672.D
 Acq On : 27 Jul 2018 16:28
 Operator : MD/SY
 Sample : VN0727WBS01
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VU0727WBS01

Quant Time: Jul 28 03:38:16 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\82U072718W.M
 Quant Title : SW846 8260
 QLast Update : Fri Jul 27 13:11:52 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.99	168	180047	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.89	114	269817	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.09	117	259832	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.49	152	160172	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	5.31	65	142572	50.82	ug/l	0.00
Spiked Amount			Recovery	=	101.64%	
35) Dibromofluoromethane	4.89	113	118046	50.30	ug/l	0.00
Spiked Amount			Recovery	=	100.60%	
50) Toluene-d8	7.57	98	413147	50.31	ug/l	0.00
Spiked Amount			Recovery	=	100.62%	
62) 4-Bromofluorobenzene	10.31	95	157524	49.42	ug/l	0.00
Spiked Amount			Recovery	=	98.84%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.21	85	59980	22.04	ug/l	98
3) Chloromethane	1.33	50	53263	20.48	ug/l	98
4) Vinyl Chloride	1.40	62	49738	20.32	ug/l	95
5) Bromomethane	1.63	94	25778	21.56	ug/l	98
6) Chloroethane	1.70	64	28634	20.01	ug/l	98
7) Trichlorofluoromethane	1.89	101	72874	20.59	ug/l	99
8) Diethyl Ether	2.10	74	25812	20.16	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	2.28	101	41682	20.35	ug/l	99
10) Methyl Iodide	2.41	142	28105	20.78	ug/l	99
11) Tert butyl alcohol	2.83	59	66970	109.04	ug/l	100
12) 1,1-Dichloroethene	2.28	96	39400	20.38	ug/l	92
13) Acrolein	2.19	56	20466	90.72	ug/l	99
14) Allyl chloride	2.59	41	67542	19.44	ug/l	99
15) Acrylonitrile	2.94	53	131485	107.22	ug/l	98
16) Acetone	2.32	43	145519	106.40	ug/l	96
17) Carbon Disulfide	2.48	76	118615	18.96	ug/l	99
18) Methyl Acetate	2.62	43	75130	22.82	ug/l	98
19) Methyl tert-butyl Ether	3.00	73	143201	20.44	ug/l	98
20) Methylene Chloride	2.70	84	47262	19.50	ug/l	98
21) trans-1,2-Dichloroethene	2.99	96	43961	19.67	ug/l	95
22) Diisopropyl ether	3.58	45	139992	20.45	ug/l	95
23) Vinyl Acetate	3.53	43	604244	101.28	ug/l	99
24) 1,1-Dichloroethane	3.45	63	82989	20.19	ug/l	99
25) 2-Butanone	4.27	43	200440	107.66	ug/l	99
26) 2,2-Dichloropropane	4.23	77	77137	20.65	ug/l	99
27) cis-1,2-Dichloroethene	4.23	96	50143	19.90	ug/l	99
28) Bromochloromethane	4.55	49	39235	21.35	ug/l	97
29) Tetrahydrofuran	4.64	42	118933	106.62	ug/l	99
30) Chloroform	4.68	83	85737	19.77	ug/l	98
31) Cyclohexane	5.00	56	72854	19.56	ug/l	98
32) 1,1,1-Trichloroethane	4.92	97	78434	20.08	ug/l	97
36) 1,1-Dichloropropene	5.14	75	62588	19.85	ug/l	98
37) Ethyl Acetate	4.38	43	66227	20.26	ug/l	98
38) Carbon Tetrachloride	5.14	117	68512	19.18	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	6.42	83	71778	19.87	ug/l	96
40) Benzene	5.39	78	181192	19.66	ug/l	98
41) Methacrylonitrile	4.54	41	38212	21.04	ug/l	99
42) 1,2-Dichloroethane	5.41	62	69686	19.63	ug/l	100
43) Isopropyl Acetate	5.55	43	109443	20.26	ug/l	99
44) Trichloroethene	6.19	130	50930	19.84	ug/l	99
45) 1,2-Dichloropropane	6.44	63	47189	19.63	ug/l	97
46) Dibromomethane	6.56	93	34604	19.87	ug/l	98
47) Bromodichloromethane	6.76	83	63855	19.22	ug/l	94
48) Methyl methacrylate	6.63	41	55212	20.85	ug/l	97
49) 1,4-Dioxane	6.62	88	27922	433.30	ug/l	97
51) 4-Methyl-2-Pentanone	7.46	43	352689	104.27	ug/l	100
52) Toluene	7.64	92	115927	20.25	ug/l	99
53) t-1,3-Dichloropropene	7.88	75	74274	19.91	ug/l	97
54) cis-1,3-Dichloropropene	7.27	75	76393	19.94	ug/l	97
55) 1,1,2-Trichloroethane	8.07	97	47260	19.86	ug/l	97
56) Ethyl methacrylate	8.02	69	70184	20.64	ug/l	98
57) 1,3-Dichloropropane	8.25	76	79600	19.89	ug/l	99
58) 2-Chloroethyl Vinyl ether	7.13	63	148370	100.71	ug/l	98
59) 2-Hexanone	8.36	43	282579	106.57	ug/l	99
60) Dibromochloromethane	8.48	129	53452	19.05	ug/l	100
61) 1,2-Dibromoethane	8.59	107	52713	19.92	ug/l	99
64) Tetrachloroethene	8.23	164	44833	19.60	ug/l	98
65) Chlorobenzene	9.12	112	132567	19.79	ug/l	99
66) 1,1,1,2-Tetrachloroethane	9.21	131	47963	19.79	ug/l	97
67) Ethyl Benzene	9.25	91	219058	19.74	ug/l	99
68) m/p-Xylenes	9.38	106	172392	40.47	ug/l	100
69) o-Xylene	9.78	106	84379	20.27	ug/l	100
70) Styrene	9.80	104	134422	19.99	ug/l	99
71) Bromoform	9.96	173	40310	19.18	ug/l #	100
73) Isopropylbenzene	10.17	105	224423	20.53	ug/l	99
74) N-amyl acetate	10.01	43	94391	21.15	ug/l	99
75) 1,1,2,2-Tetrachloroethane	10.46	83	76146	20.14	ug/l	98
76) 1,2,3-Trichloropropane	10.50	75	88074	24.96	ug/l	86
77) Bromobenzene	10.45	156	61223	20.30	ug/l	99
78) n-propylbenzene	10.59	91	265576	20.81	ug/l	99
79) 2-Chlorotoluene	10.66	91	155539	20.81	ug/l	100
80) 1,3,5-Trimethylbenzene	10.78	105	194176	20.91	ug/l	100
81) trans-1,4-Dichloro-2-buten	10.50	75	88074	62.58	ug/l #	100
82) 4-Chlorotoluene	10.78	91	186458	21.17	ug/l	99
83) tert-Butylbenzene	11.10	119	188494	20.43	ug/l	99
84) 1,2,4-Trimethylbenzene	11.15	105	198457	21.09	ug/l	98
85) sec-Butylbenzene	11.33	105	233845	20.76	ug/l	100
86) p-Isopropyltoluene	11.48	119	211618	20.98	ug/l	99
87) 1,3-Dichlorobenzene	11.42	146	112782	20.15	ug/l	98
88) 1,4-Dichlorobenzene	11.51	146	115184	19.74	ug/l	99
89) n-Butylbenzene	11.89	91	190847	20.51	ug/l	99
90) Hexachloroethane	12.15	117	34200	19.07	ug/l	100
91) 1,2-Dichlorobenzene	11.88	146	112484	20.50	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	12.66	75	19402	21.65	ug/l	99

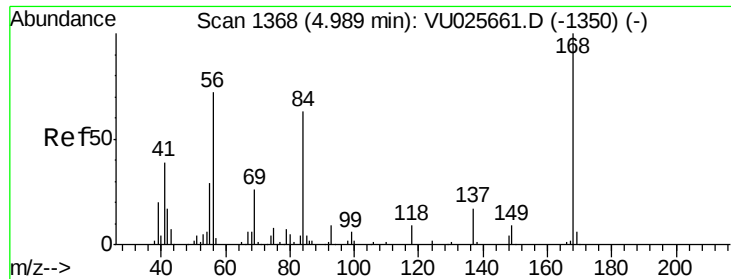
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA U\DATA\VU072718\
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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.51	180	82698	22.33	ug/l	99
94) Hexachlorobutadiene	13.70	225	38568	19.76	ug/l	99
95) Naphthalene	13.75	128	287655	24.83	ug/l	99
96) 1,2,3-Trichlorobenzene	13.99	180	81616	22.10	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 4.99 min Scan# 1368

Delta R.T. 0.00 min

Lab File: VU025672.D

Acq: 27 Jul 2018 16:28

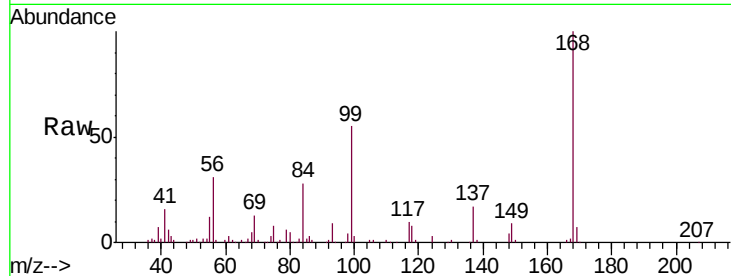
Instrument :
MSVOA_U
ClientSampleId :
VU0727WBS01

Tot Ion:168 Resp: 180047

Ion Ratio Lower Upper

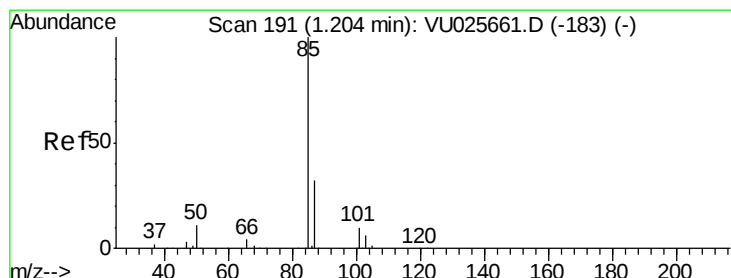
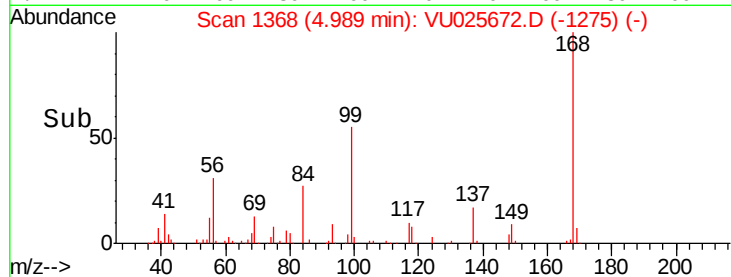
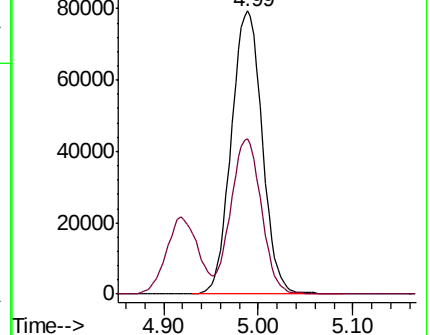
168 100

99 54.9 42.8 64.2



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

Ion 98.90 (98.60 to 99.60): VU025661.D (-1350) (-)



#2

Dichlorodifluoromethane

Concen: 22.04 ug/l

RT: 1.21 min Scan# 192

Delta R.T. 0.00 min

Lab File: VU025672.D

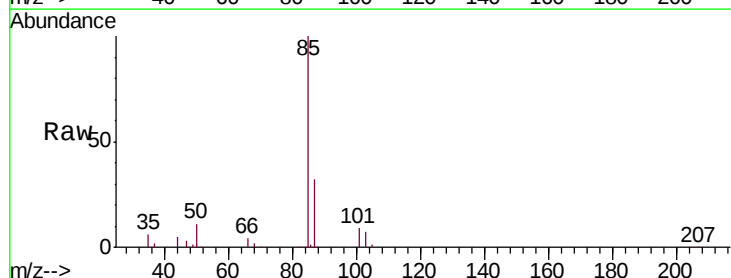
Acq: 27 Jul 2018 16:28

Tgt Ion: 85 Resp: 59980

Ion Ratio Lower Upper

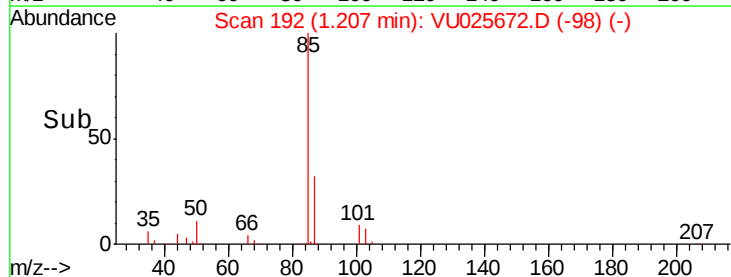
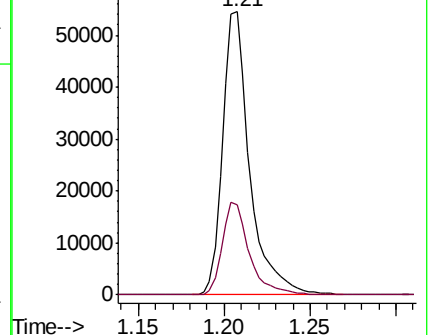
85 100

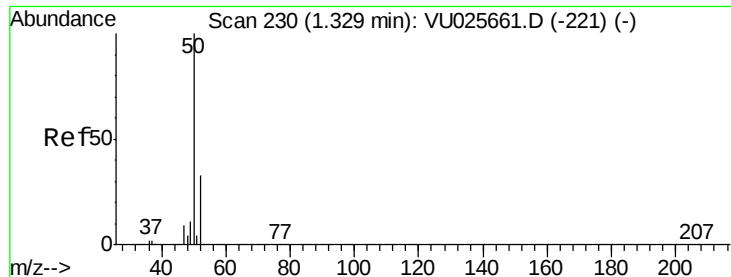
87 32.0 16.5 49.5



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

Ion 86.90 (86.60 to 87.60): VU025661.D (-183) (-)





#3

Chloromethane

Concen: 20.48 ug/l

RT: 1.33 min Scan# 231

Delta R.T. 0.00 min

Lab File: VU025672.D

Acq: 27 Jul 2018 16:28

Instrument :

MSVOA_U

ClientSampleId :

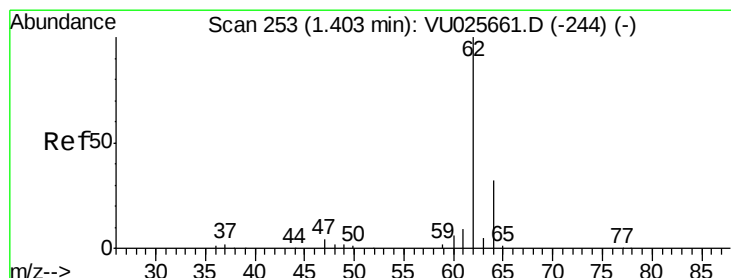
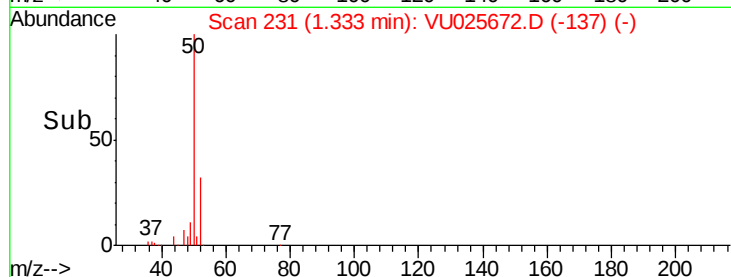
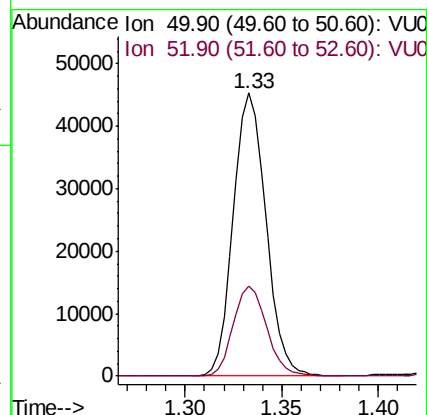
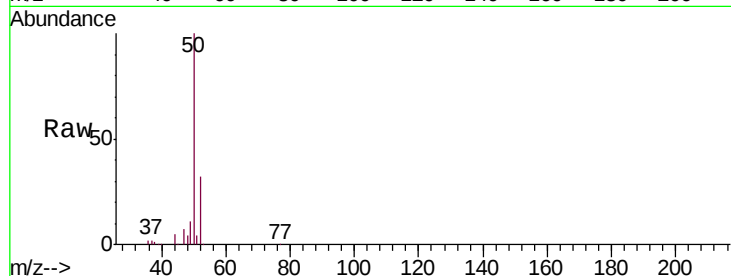
VU0727WBS01

Tot Ion: 50 Resp: 53263

Ion Ratio Lower Upper

50 100

52 31.7 26.5 39.7



#4

Vinyl Chloride

Concen: 20.32 ug/l

RT: 1.40 min Scan# 253

Delta R.T. 0.00 min

Lab File: VU025672.D

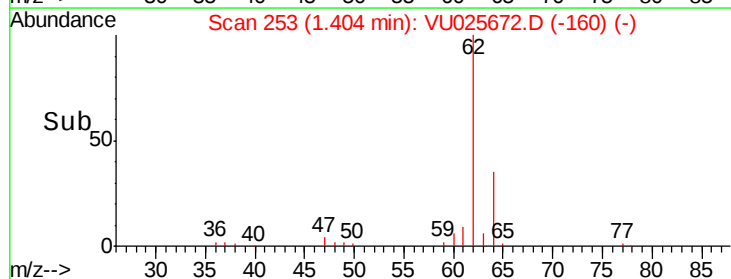
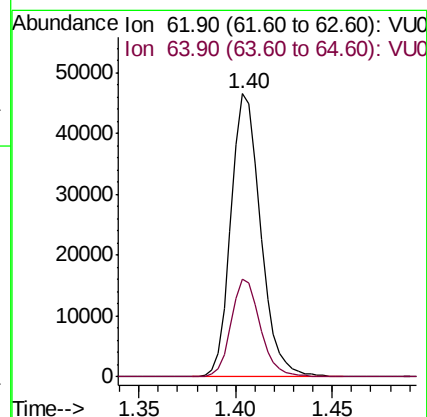
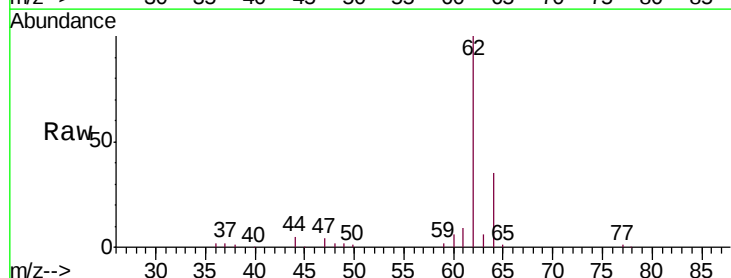
Acq: 27 Jul 2018 16:28

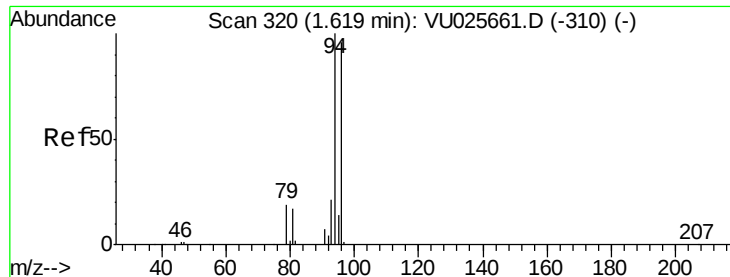
Tgt Ion: 62 Resp: 49738

Ion Ratio Lower Upper

62 100

64 34.6 25.4 38.0





#5

Bromomethane

Concen: 21.56 ug/l

RT: 1.63 min Scan# 322

Delta R.T. 0.01 min

Lab File: VU025672.D

Acq: 27 Jul 2018 16:28

Instrument :

MSVOA_U

ClientSampleId :

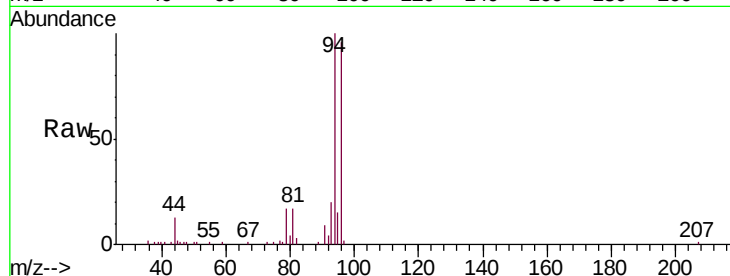
VU0727WBS01

Tot Ion: 94 Resp: 25778

Ion Ratio Lower Upper

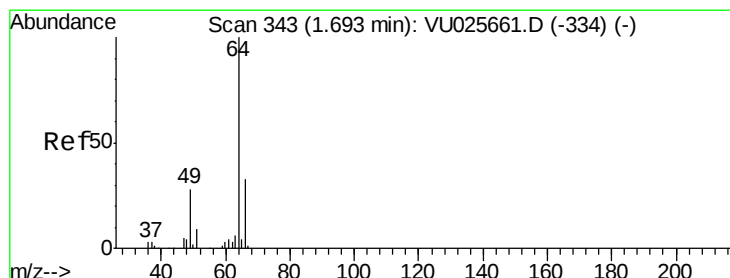
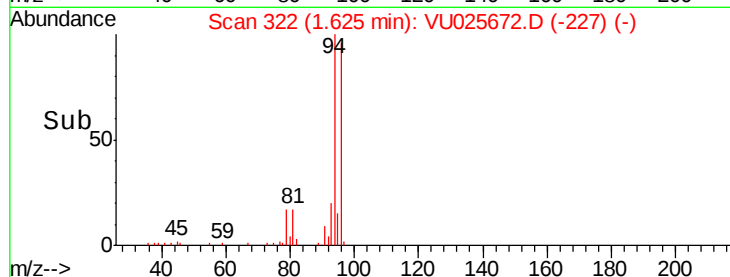
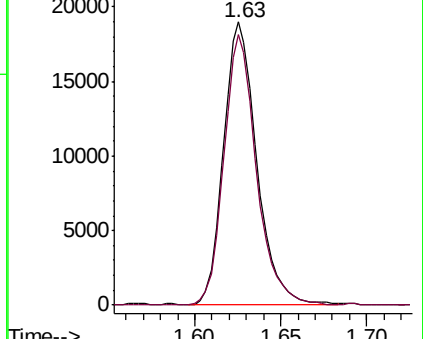
94 100

96 95.6 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: 20.01 ug/l

RT: 1.70 min Scan# 345

Delta R.T. 0.01 min

Lab File: VU025672.D

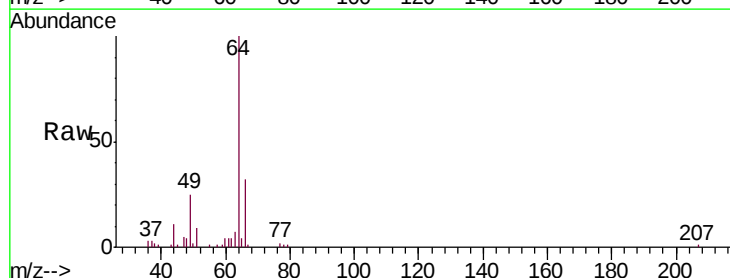
Acq: 27 Jul 2018 16:28

Tgt Ion: 64 Resp: 28634

Ion Ratio Lower Upper

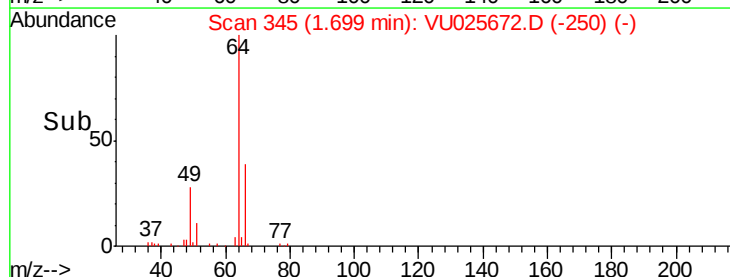
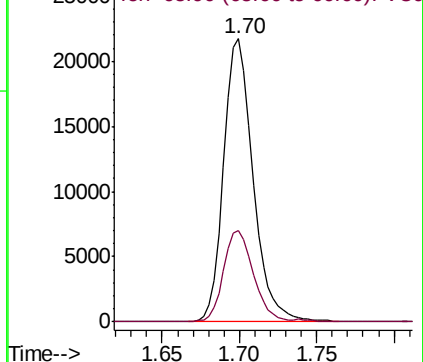
64 100

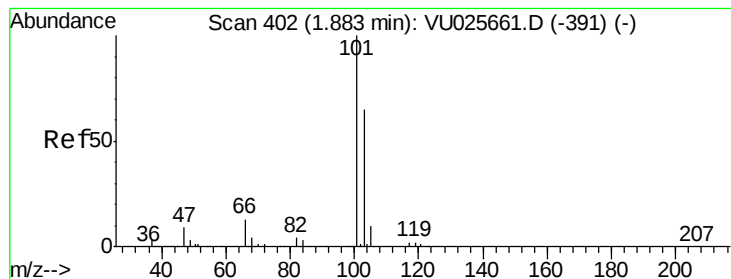
66 32.5 25.0 37.4



Abundance Ion 63.90 (63.60 to 64.60): VU0

Ion 65.90 (65.60 to 66.60): VU0





#7

Trichlorofluoromethane

Concen: 20.59 ug/l

RT: 1.89 min Scan# 403

Delta R.T. 0.00 min

Lab File: VU025672.D

Acq: 27 Jul 2018 16:28

Instrument :

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ClientSampleId :

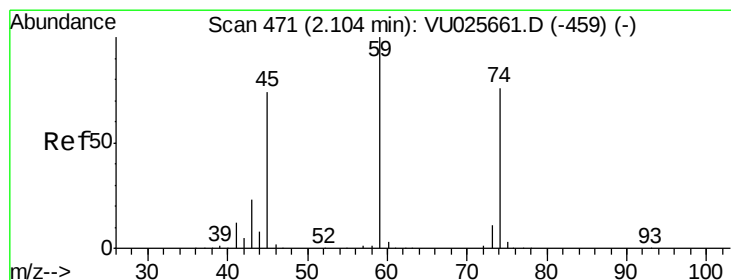
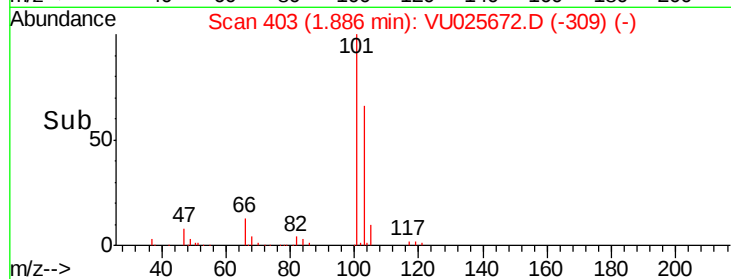
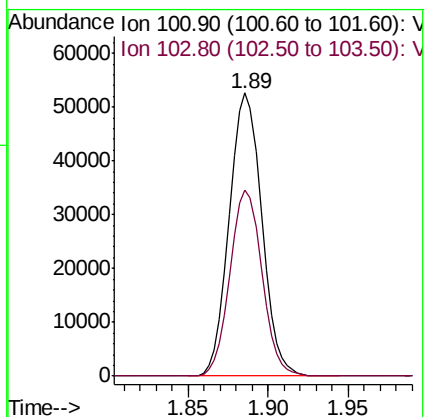
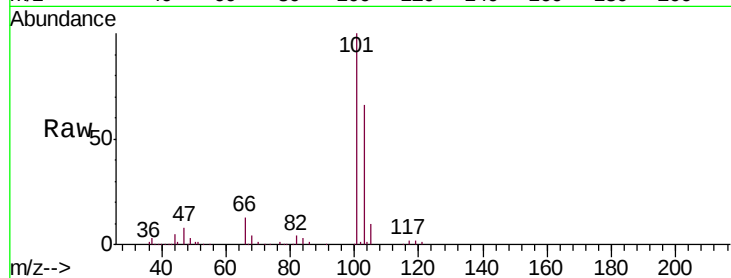
VU0727WBS01

Tot Ion:101 Resp: 72874

Ion Ratio Lower Upper

101 100

103 65.9 52.2 78.2



#8

Diethyl Ether

Concen: 20.16 ug/l

RT: 2.10 min Scan# 471

Delta R.T. 0.00 min

Lab File: VU025672.D

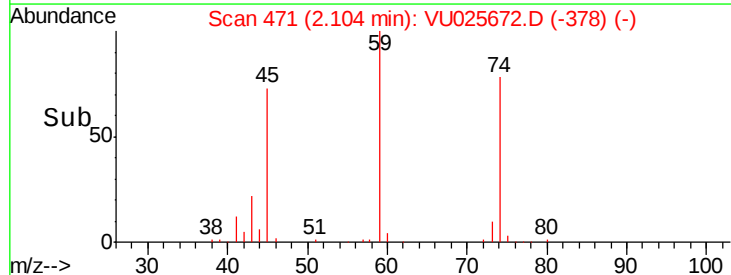
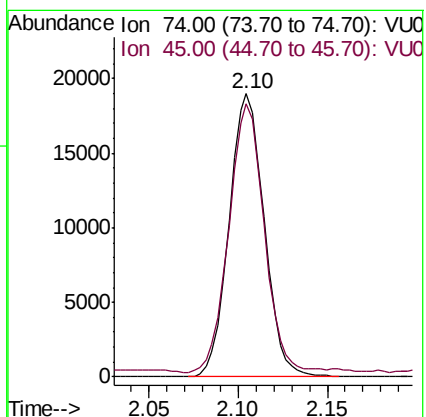
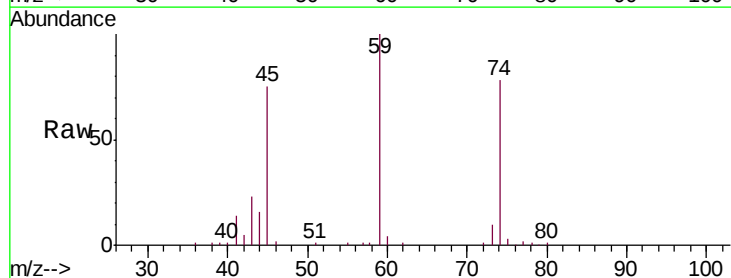
Acq: 27 Jul 2018 16:28

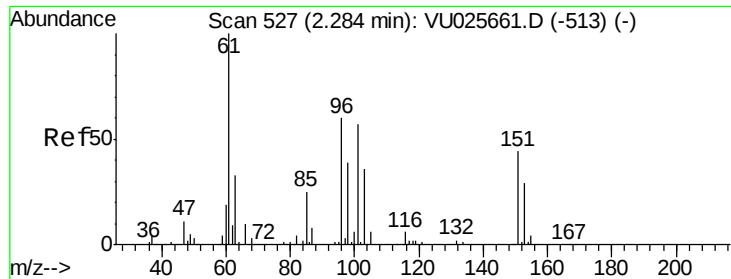
Tgt Ion: 74 Resp: 25812

Ion Ratio Lower Upper

74 100

45 95.2 48.3 144.9





#9

1,1,2-Trichlorotrifluoroethane

Concen: 20.35 ug/l

RT: 2.28 min Scan# 527

Delta R.T. 0.00 min

Lab File: VU025672.D

Acq: 27 Jul 2018 16:28

Instrument :

MSVOA_U

ClientSampleId :

VU0727WBS01

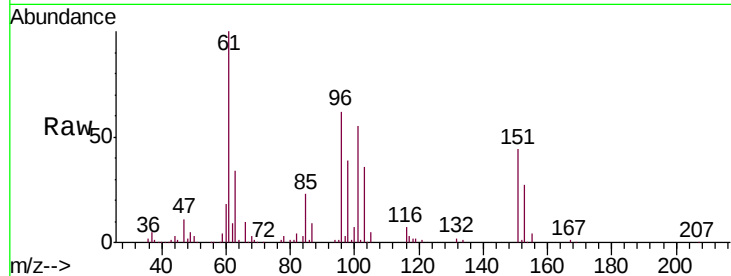
Tot Ion:101 Resp: 41682

Ion Ratio Lower Upper

101 100

85 44.8 36.0 54.0

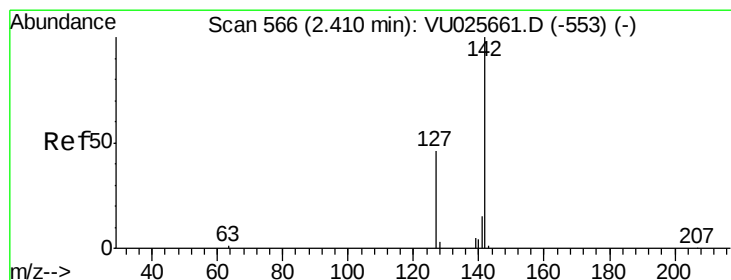
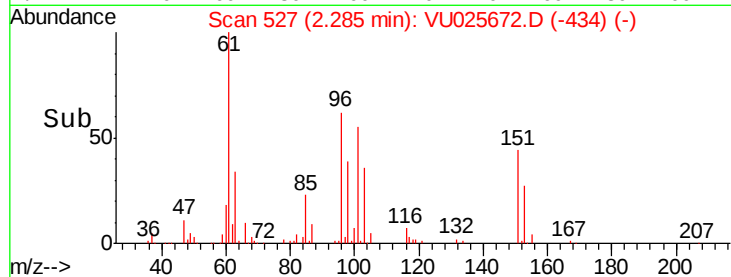
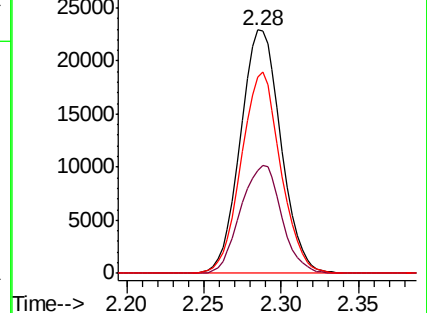
151 80.5 65.6 98.4



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): VU0

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 20.78 ug/l

RT: 2.41 min Scan# 566

Delta R.T. 0.00 min

Lab File: VU025672.D

Acq: 27 Jul 2018 16:28

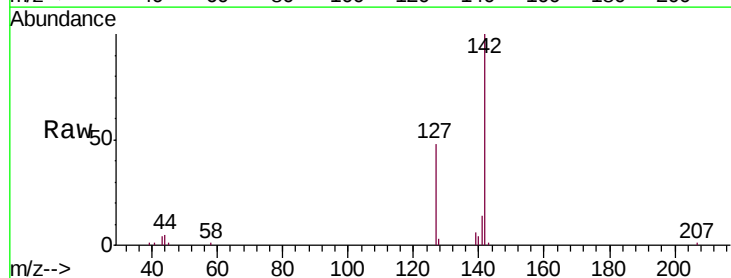
Tgt Ion:142 Resp: 28105

Ion Ratio Lower Upper

142 100

127 46.4 36.5 54.7

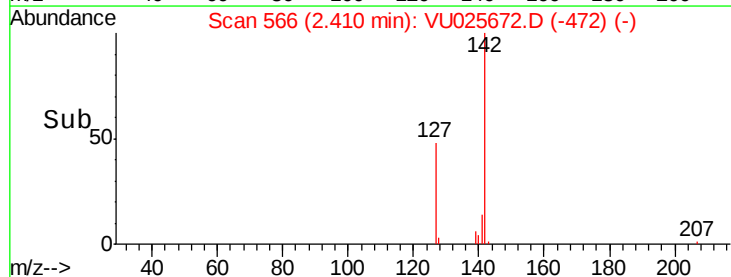
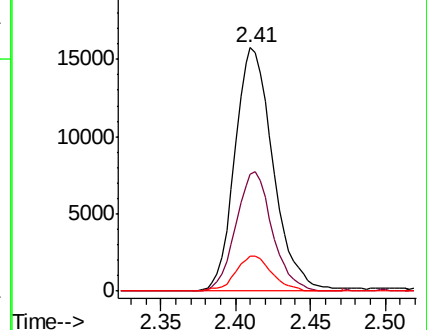
141 13.5 11.4 17.2

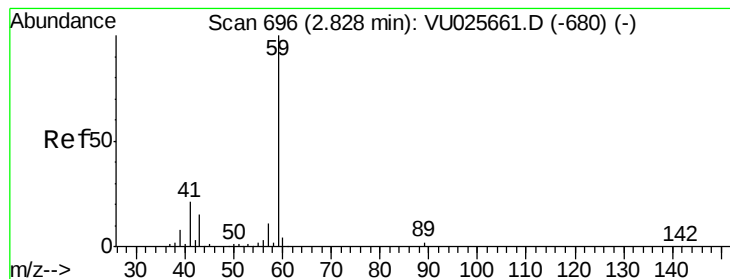


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



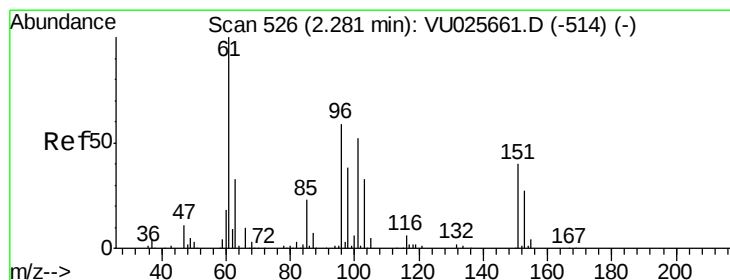
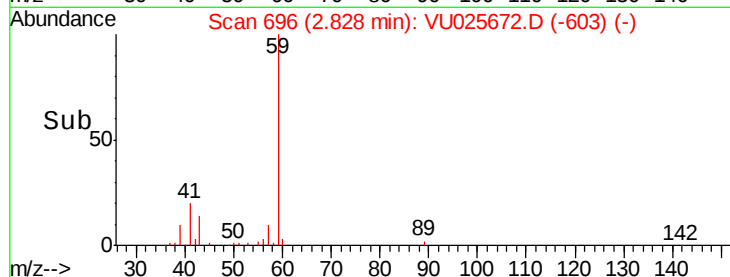
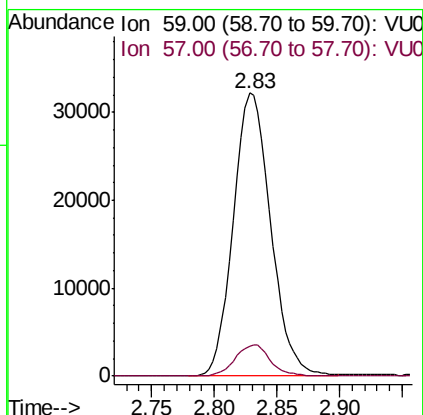
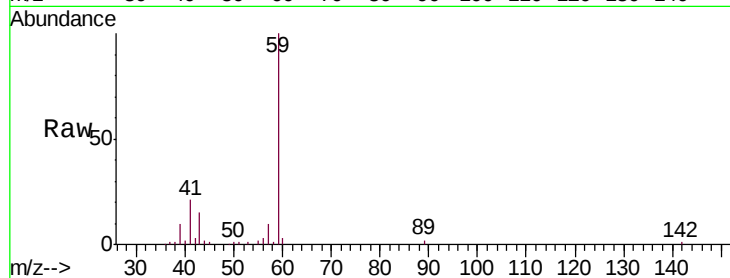


#11

Tert butyl alcohol
 Concen: 109.04 ug/l
 RT: 2.83 min Scan# 696
 Delta R.T. 0.00 min
 Lab File: VU025672.D
 Acq: 27 Jul 2018 16:28

Instrument :
 MSVOA_U
 ClientSampleId :
 VU0727WBS01

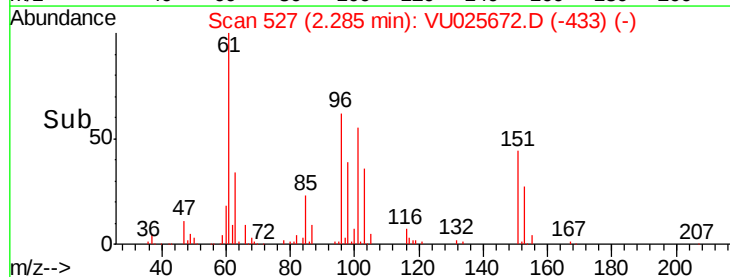
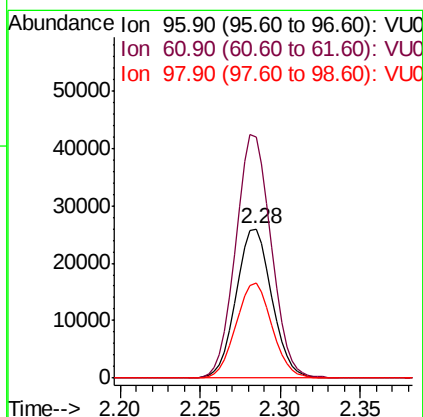
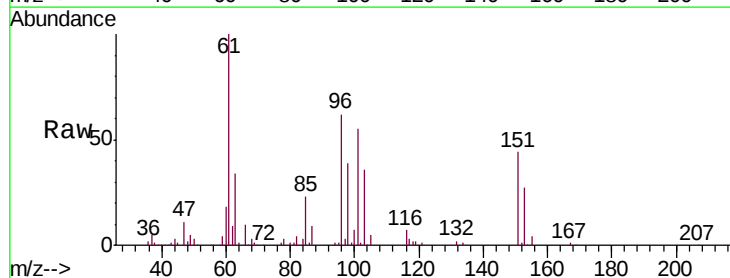
Tot Ion: 59 Resp: 66970
 Ion Ratio Lower Upper
 59 100
 57 10.2 8.2 12.2

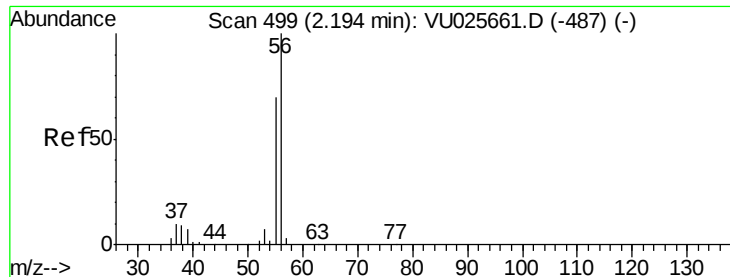


#12

1,1-Dichloroethene
 Concen: 20.38 ug/l
 RT: 2.28 min Scan# 527
 Delta R.T. 0.00 min
 Lab File: VU025672.D
 Acq: 27 Jul 2018 16:28

Tgt Ion: 96 Resp: 39400
 Ion Ratio Lower Upper
 96 100
 61 161.4 140.2 210.4
 98 63.5 49.3 73.9





#13

Acrolein

Concen: 90.72 ug/l

RT: 2.19 min Scan# 499

Delta R.T. 0.00 min

Lab File: VU025672.D

Acq: 27 Jul 2018 16:28

Instrument :

MSVOA_U

ClientSampleId :

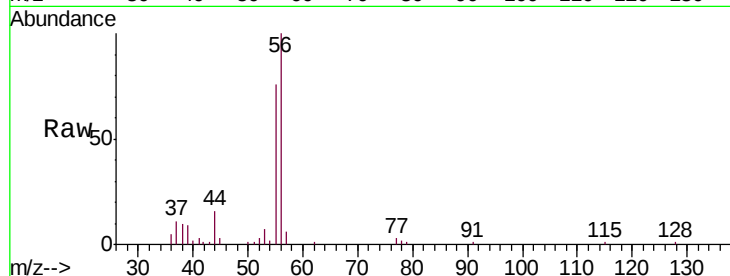
VU0727WBS01

Tot Ion: 56 Resp: 20466

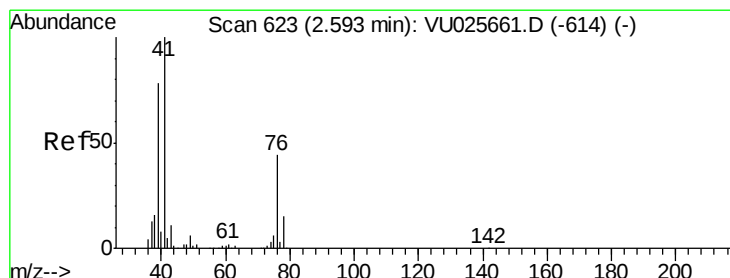
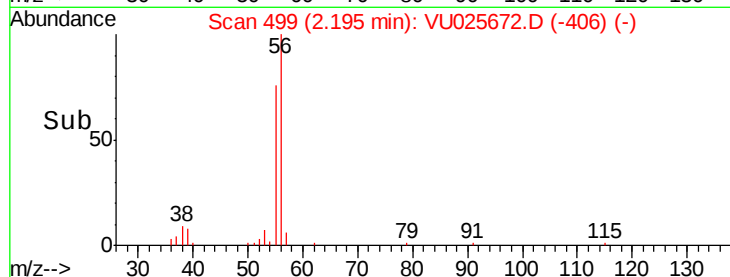
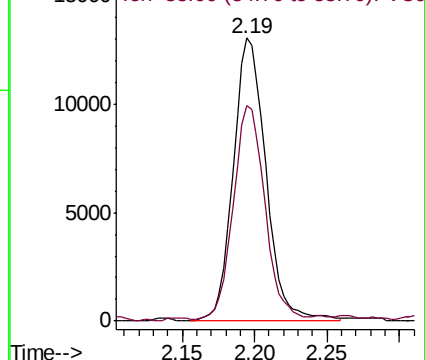
Ion Ratio Lower Upper

56 100

55 72.0 57.2 85.8



Abundance Ion 56.00 (55.70 to 56.70): VU0
Ion 55.00 (54.70 to 55.70): VU0



#14

Allyl chloride

Concen: 19.44 ug/l

RT: 2.59 min Scan# 623

Delta R.T. 0.00 min

Lab File: VU025672.D

Acq: 27 Jul 2018 16:28

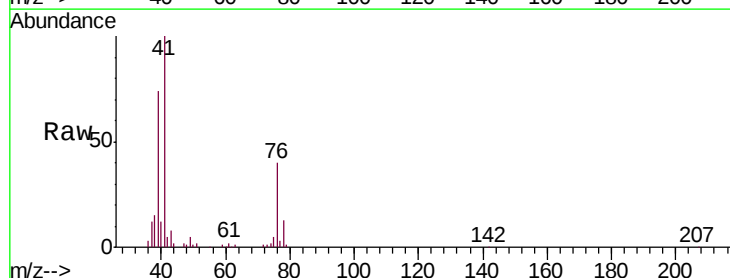
Tgt Ion: 41 Resp: 67542

Ion Ratio Lower Upper

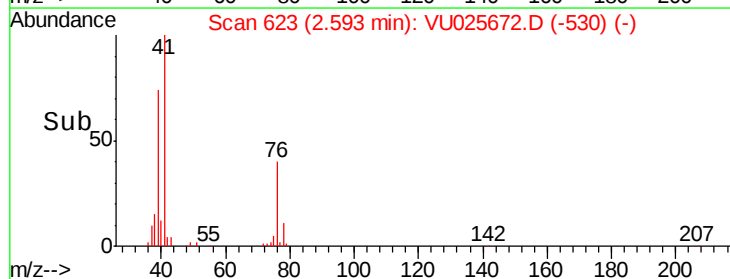
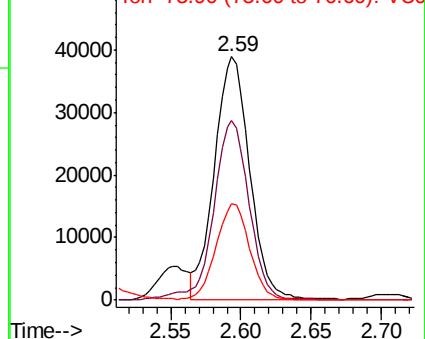
41 100

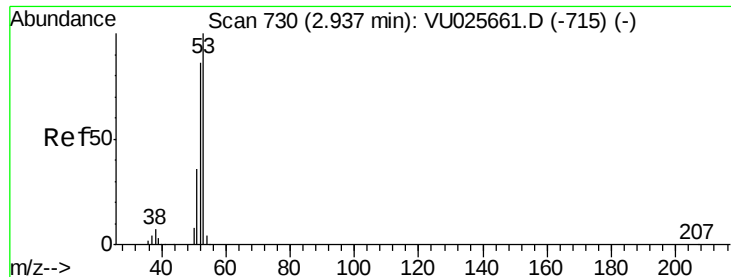
39 74.2 60.6 91.0

76 38.0 30.5 45.7



Abundance Ion 41.00 (40.70 to 41.70): VU0
Ion 39.00 (38.70 to 39.70): VU0
Ion 75.90 (75.60 to 76.60): VU0





#15

Acrylonitrile

Concen: 107.22 ug/l

RT: 2.94 min Scan# 730

Delta R.T. 0.00 min

Lab File: VU025672.D

Acq: 27 Jul 2018 16:28

Instrument :

MSVOA_U

ClientSampleId :

VU0727WBS01

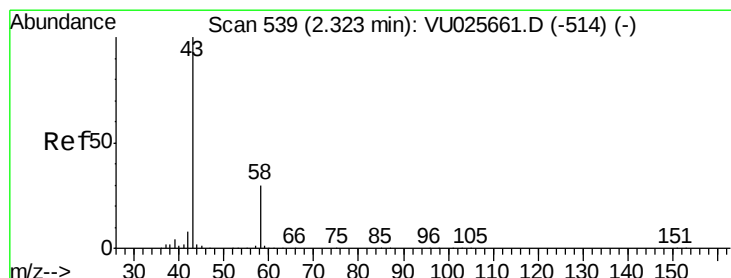
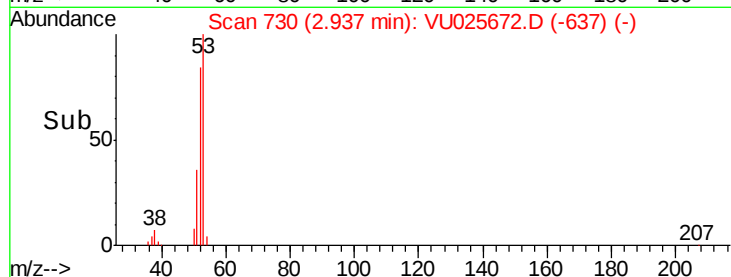
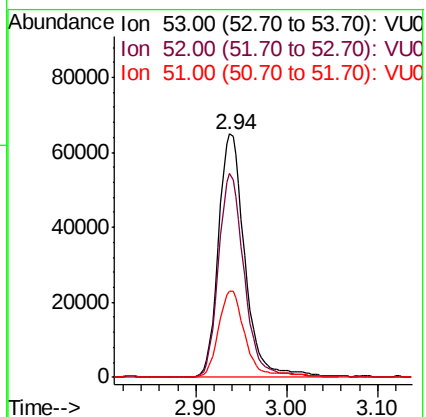
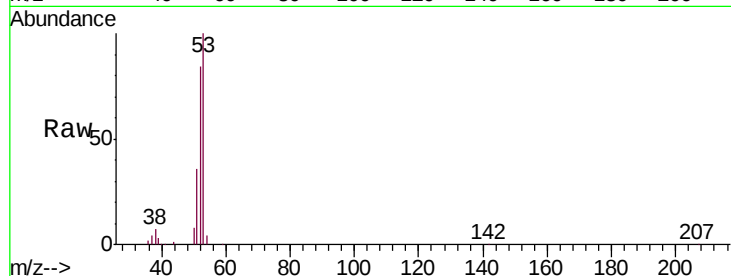
Tot Ion: 53 Resp: 131485

Ion Ratio Lower Upper

53 100

52 81.5 66.6 99.8

51 34.7 29.4 44.2



#16

Acetone

Concen: 106.40 ug/l

RT: 2.32 min Scan# 539

Delta R.T. 0.00 min

Lab File: VU025672.D

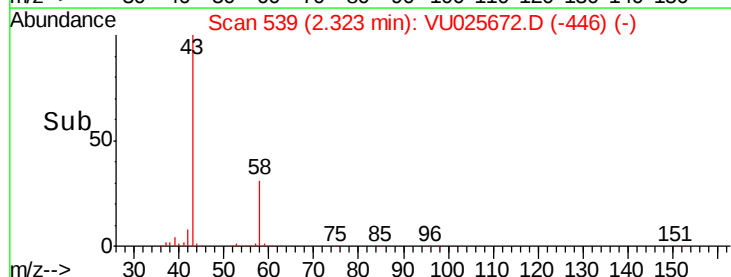
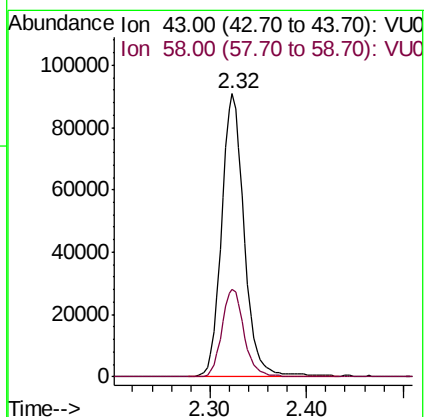
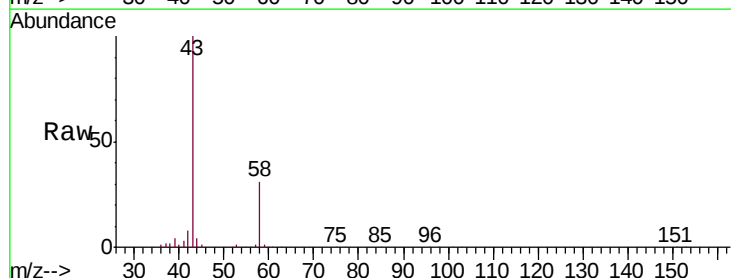
Acq: 27 Jul 2018 16:28

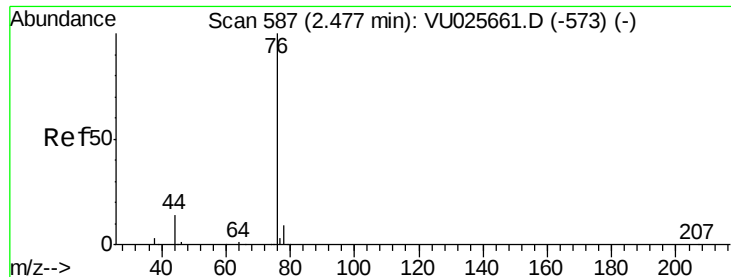
Tgt Ion: 43 Resp: 145519

Ion Ratio Lower Upper

43 100

58 31.2 23.1 34.7

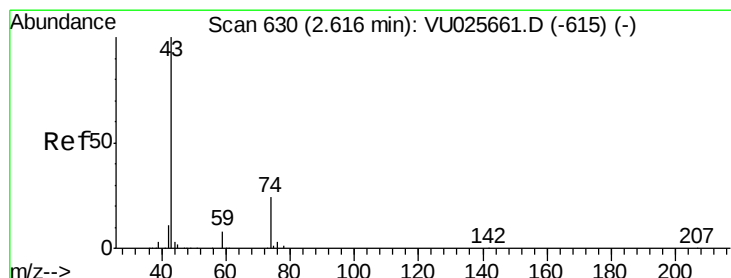
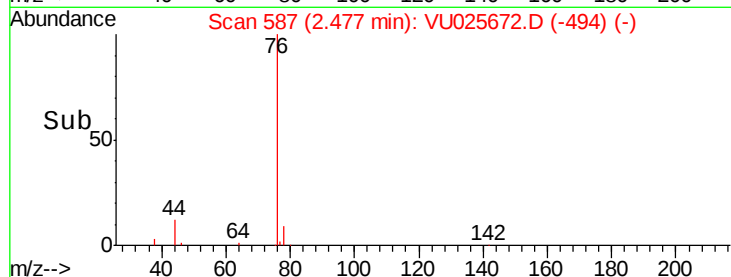
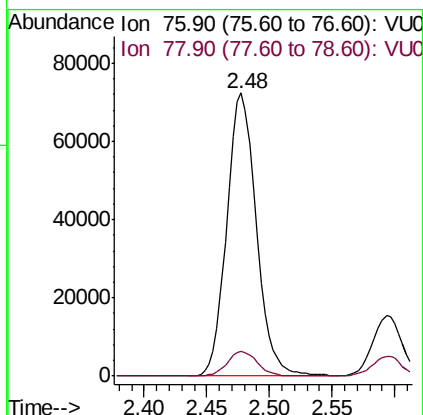
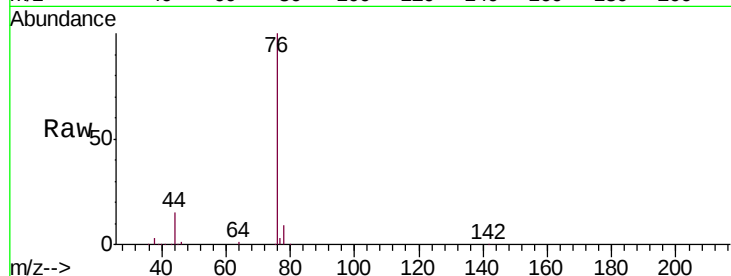




#17
Carbon Disulfide
Concen: 18.96 ug/l
RT: 2.48 min Scan# 587
Delta R.T. 0.00 min
Lab File: VU025672.D
Acq: 27 Jul 2018 16:28

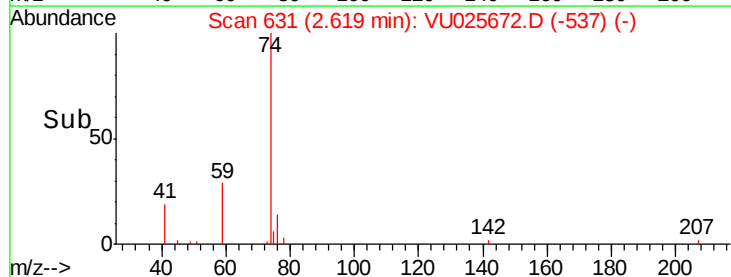
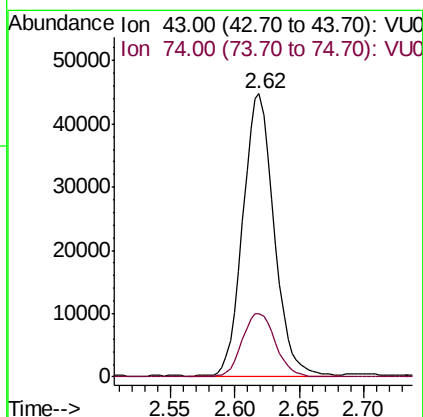
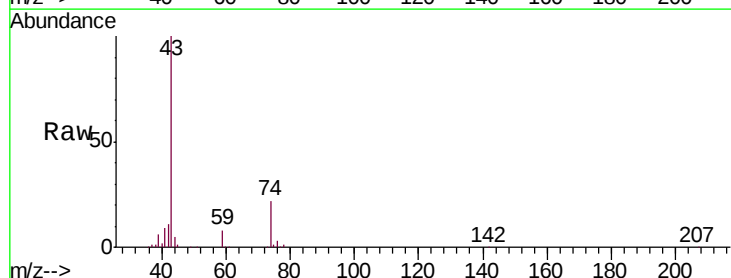
Instrument :
MSVOA_U
ClientSampleId :
VU0727WBS01

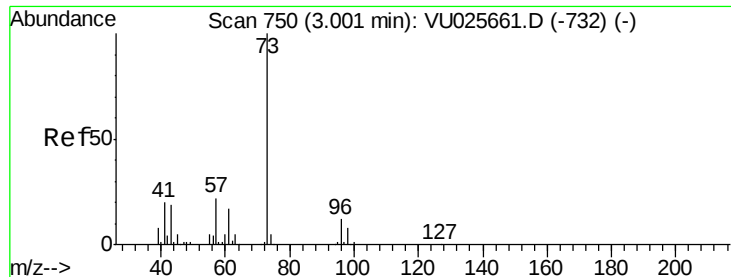
Tot Ion: 76 Resp: 118615
Ion Ratio Lower Upper
76 100
78 8.8 7.4 11.2



#18
Methyl Acetate
Concen: 22.82 ug/l
RT: 2.62 min Scan# 631
Delta R.T. 0.00 min
Lab File: VU025672.D
Acq: 27 Jul 2018 16:28

Tgt Ion: 43 Resp: 75130
Ion Ratio Lower Upper
43 100
74 23.9 18.5 27.7



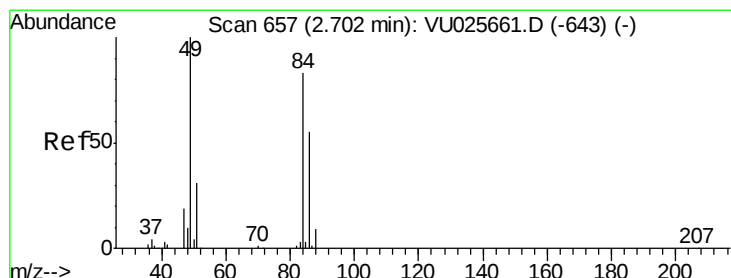
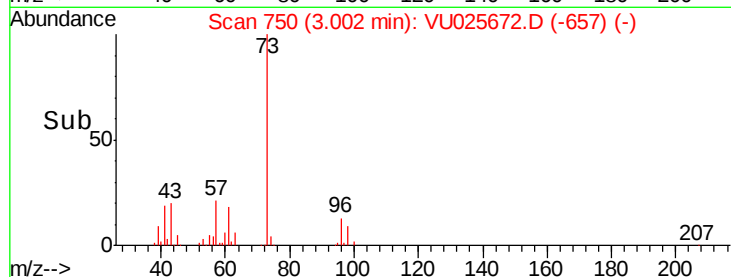
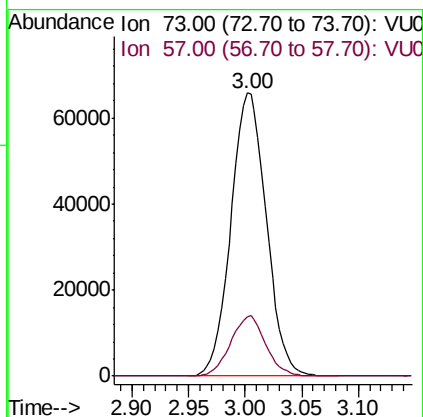
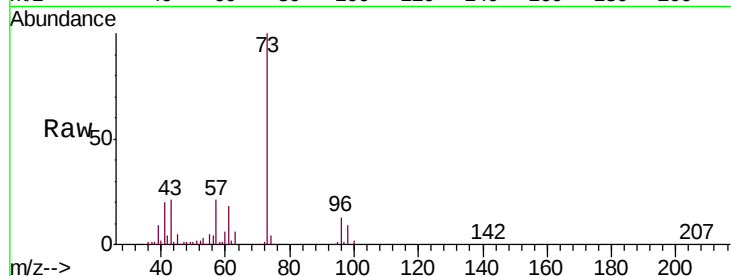


#19

Methvl tert-butvl Ether
 Concen: 20.44 ug/l
 RT: 3.00 min Scan# 750
 Delta R.T. 0.00 min
 Lab File: VU025672.D
 Acq: 27 Jul 2018 16:28

Instrument :
 MSVOA_U
 ClientSampleId :
 VU0727WBS01

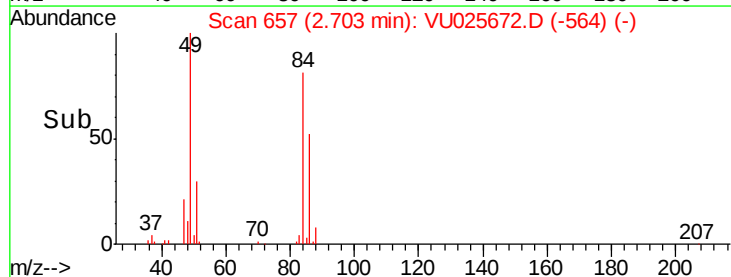
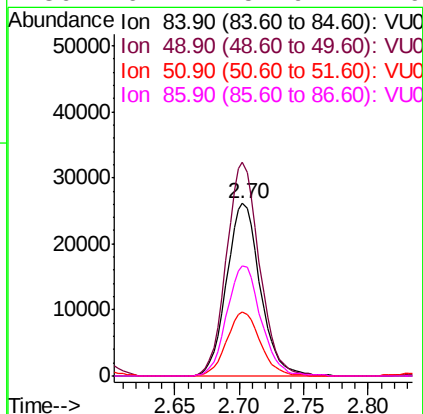
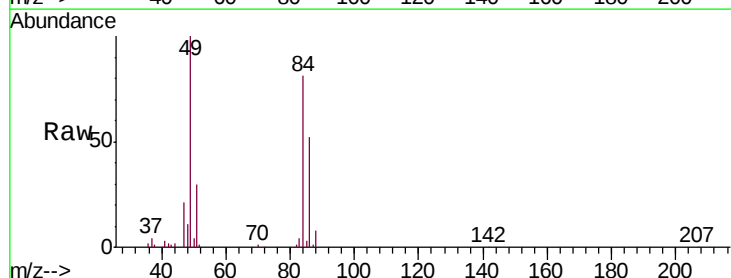
Tot Ion: 73 Resp: 143201
 Ion Ratio Lower Upper
 73 100
 57 21.0 17.4 26.2

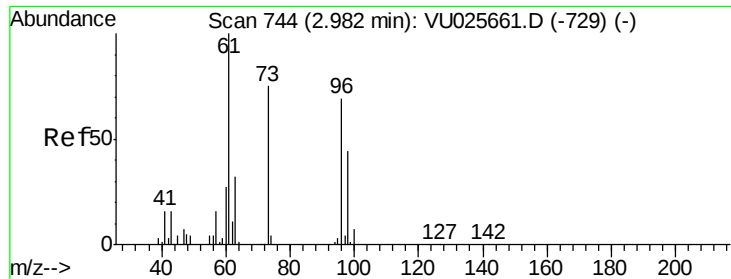


#20

Methylene Chloride
 Concen: 19.50 ug/l
 RT: 2.70 min Scan# 657
 Delta R.T. 0.00 min
 Lab File: VU025672.D
 Acq: 27 Jul 2018 16:28

Tgt Ion: 84 Resp: 47262
 Ion Ratio Lower Upper
 84 100
 49 124.0 101.8 152.6
 51 36.9 30.8 46.2
 86 64.2 51.9 77.9





#21

trans-1,2-Dichloroethene

Concen: 19.67 ug/l

RT: 2.99 min Scan# 745

Delta R.T. 0.00 min

Lab File: VU025672.D

Acq: 27 Jul 2018 16:28

Instrument :

MSVOA_U

ClientSampleId :

VU0727WBS01

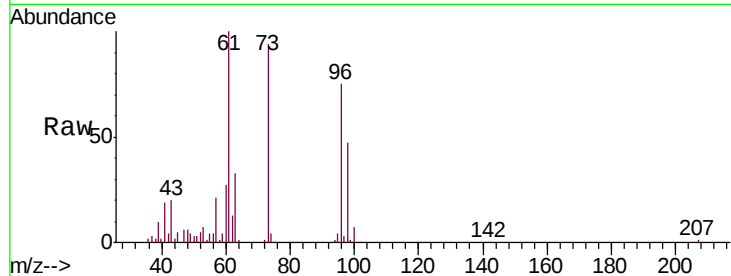
Tot Ion: 96 Resp: 43961

Ion Ratio Lower Upper

96 100

61 133.8 114.5 171.7

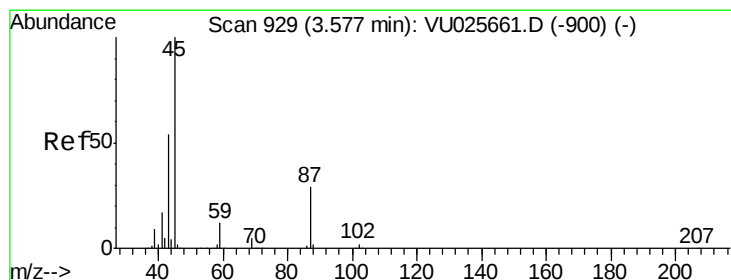
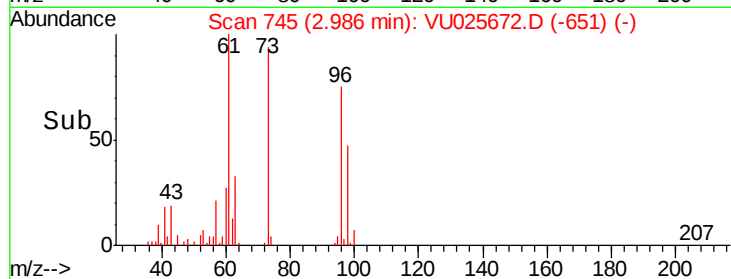
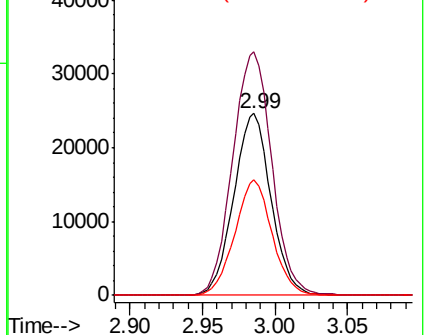
98 63.2 50.5 75.7



Abundance Ion 95.90 (95.60 to 96.60): VU0

Ion 60.90 (60.60 to 61.60): VU0

Ion 97.90 (97.60 to 98.60): VU0



#22

Diisopropyl ether

Concen: 20.45 ug/l

RT: 3.58 min Scan# 929

Delta R.T. 0.00 min

Lab File: VU025672.D

Acq: 27 Jul 2018 16:28

Tgt Ion: 45 Resp: 139992

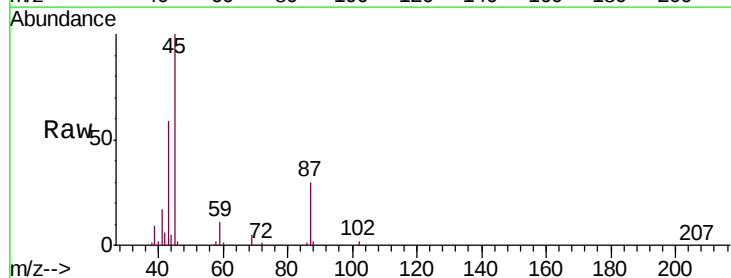
Ion Ratio Lower Upper

45 100

43 57.7 50.9 76.3

87 30.2 23.8 35.8

59 11.5 9.0 13.4

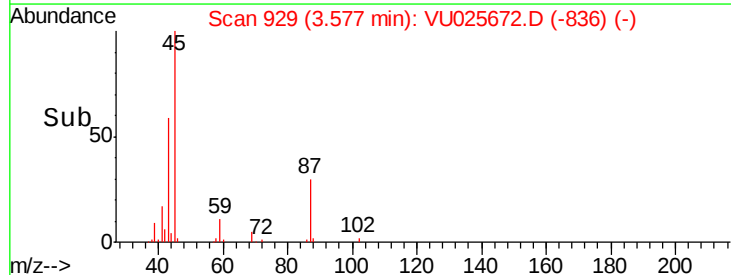
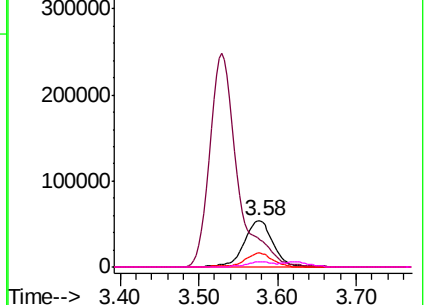


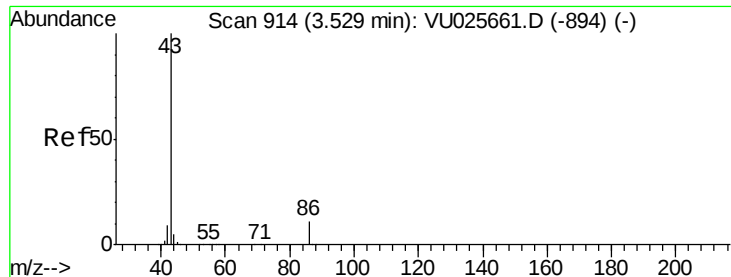
Abundance Ion 45.00 (44.70 to 45.70): VU0

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: 101.28 ug/l

RT: 3.53 min Scan# 914

Delta R.T. 0.00 min

Lab File: VU025672.D

Acq: 27 Jul 2018 16:28

Instrument :

MSVOA_U

ClientSampled :

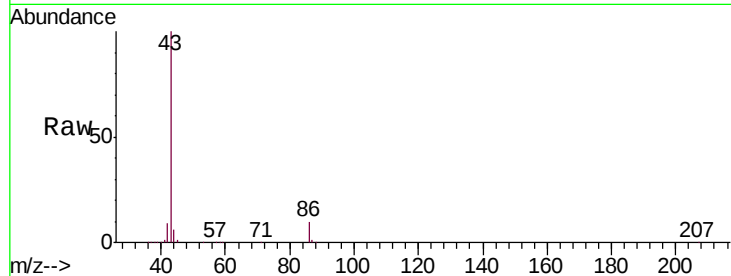
VU0727WBS01

Tot Ion: 43 Resp: 604244

Ion Ratio Lower Upper

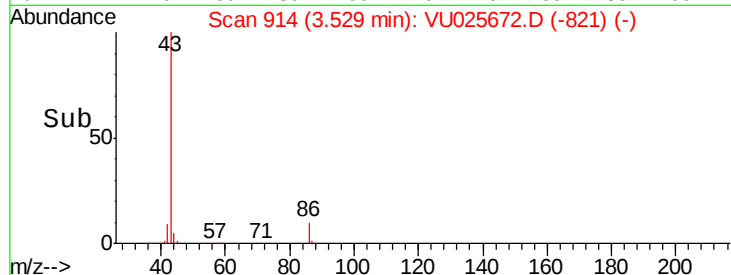
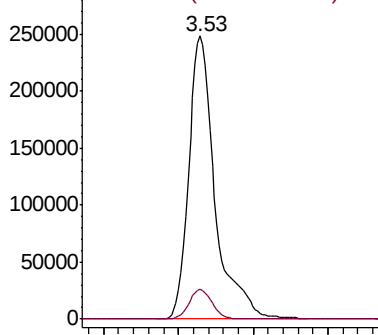
43 100

86 10.5 8.2 12.2

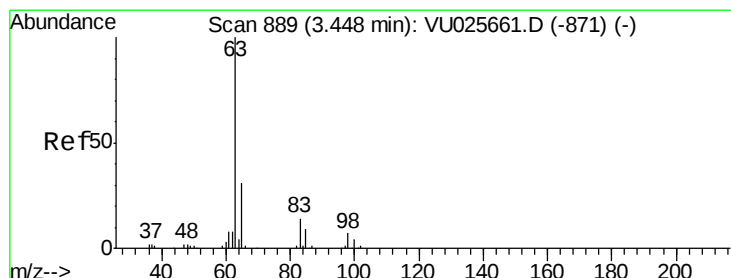


Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 86.00 (85.70 to 86.70): VU0



Time-->



#24

1,1-Dichloroethane

Concen: 20.19 ug/l

RT: 3.45 min Scan# 889

Delta R.T. 0.00 min

Lab File: VU025672.D

Acq: 27 Jul 2018 16:28

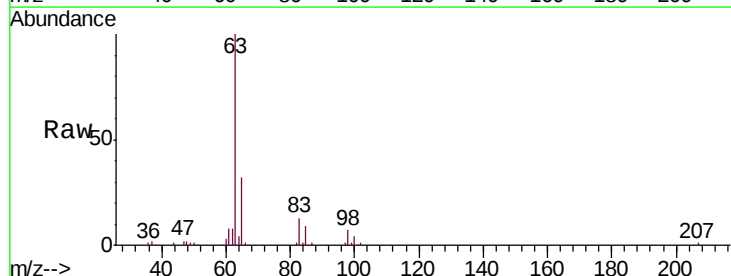
Tgt Ion: 63 Resp: 82989

Ion Ratio Lower Upper

63 100

98 6.5 3.4 10.1

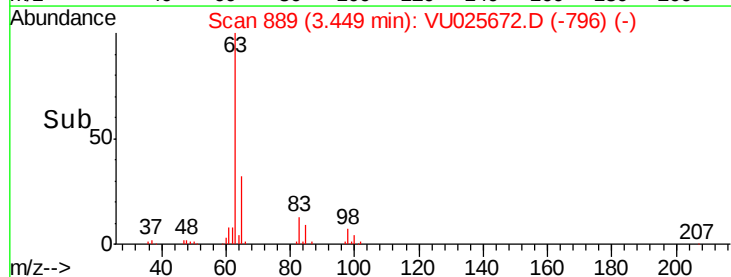
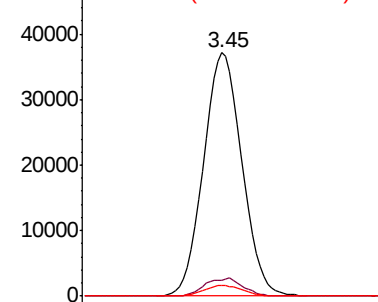
100 4.4 2.0 6.0



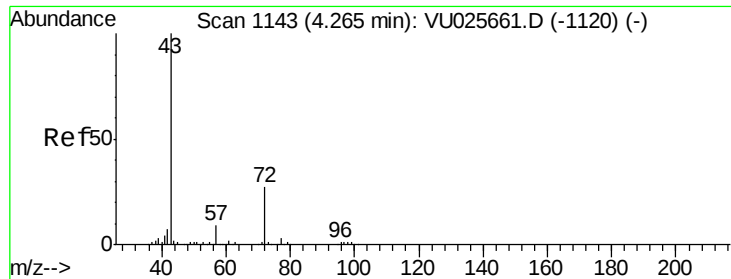
Abundance Ion 62.90 (62.60 to 63.60): VU0

Ion 97.90 (97.60 to 98.60): VU0

Ion 99.90 (99.60 to 100.60): VU0



Time-->



#25

2-Butanone

Concen: 107.66 ug/l

RT: 4.27 min Scan# 1143

Delta R.T. 0.00 min

Lab File: VU025672.D

Acq: 27 Jul 2018 16:28

Instrument :

MSVOA_U

ClientSampleId :

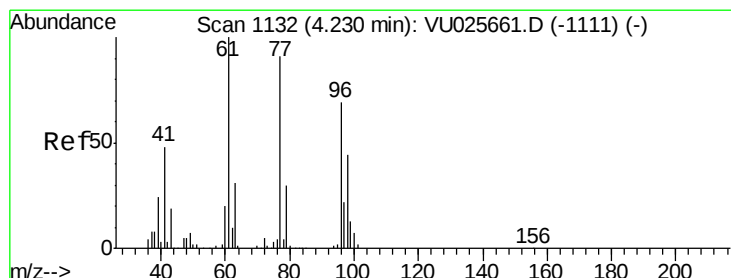
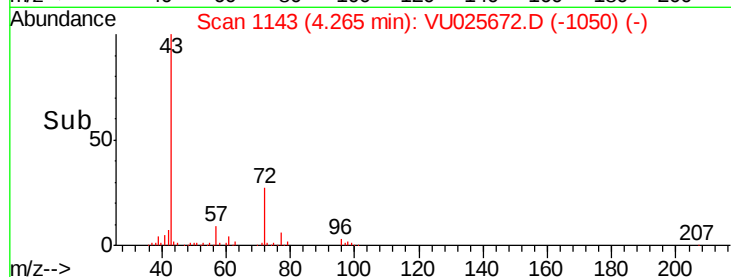
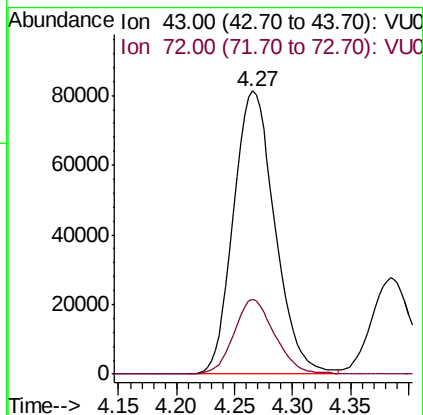
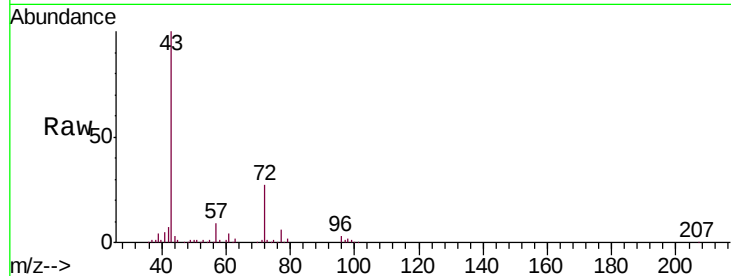
VU0727WBS01

Tot Ion: 43 Resp: 200440

Ion Ratio Lower Upper

43 100

72 26.6 21.0 31.4



#26

2,2-Dichloropropane

Concen: 20.65 ug/l

RT: 4.23 min Scan# 1133

Delta R.T. 0.00 min

Lab File: VU025672.D

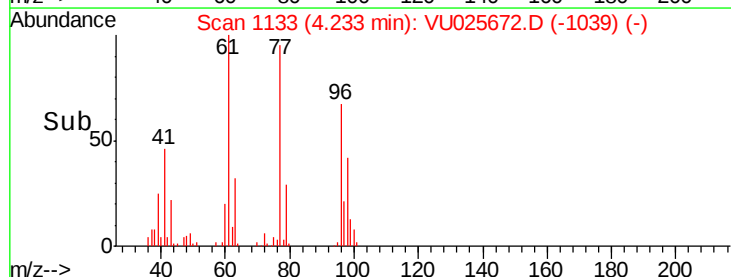
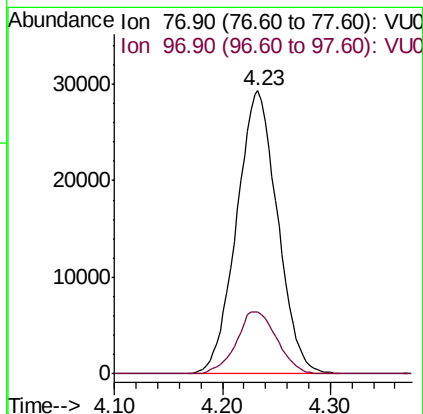
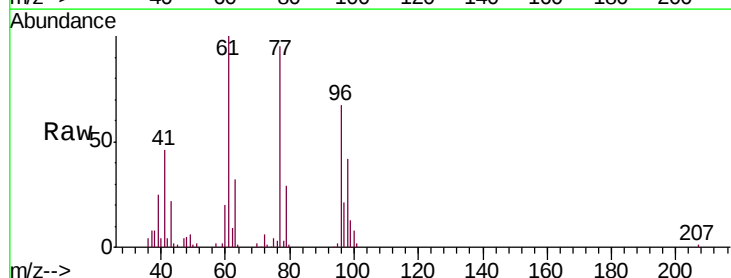
Acq: 27 Jul 2018 16:28

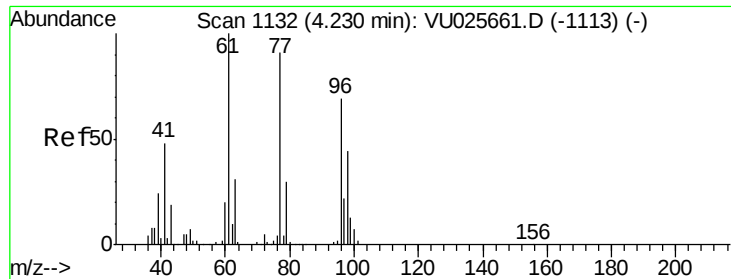
Tgt Ion: 77 Resp: 77137

Ion Ratio Lower Upper

77 100

97 21.9 11.2 33.5





#27

cis-1,2-Dichloroethene

Concen: 19.90 ug/l

RT: 4.23 min Scan# 1132

Delta R.T. 0.00 min

Lab File: VU025672.D

Acq: 27 Jul 2018 16:28

Instrument :

MSVOA_U

ClientSampleId :

VU0727WBS01

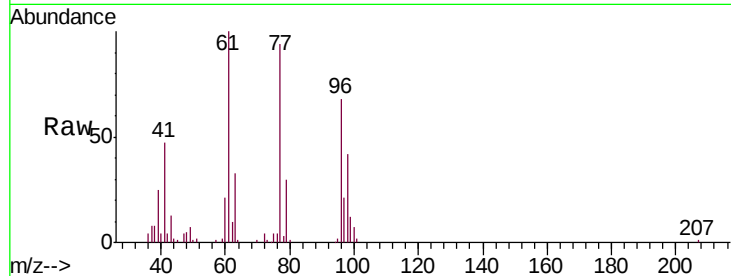
Tot Ion: 96 Resp: 50143

Ion Ratio Lower Upper

96 100

61 148.3 0.0 299.8

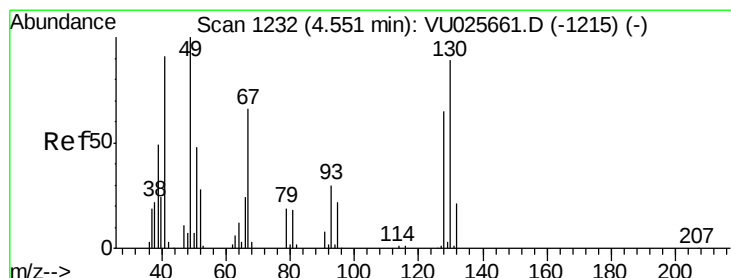
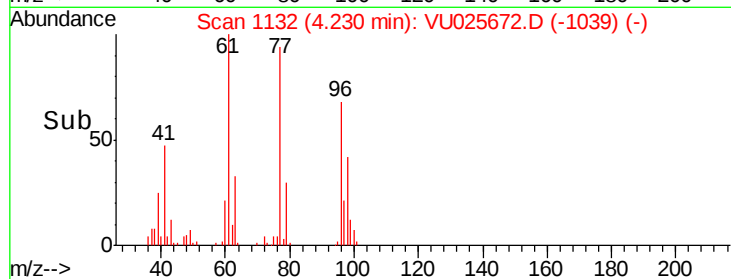
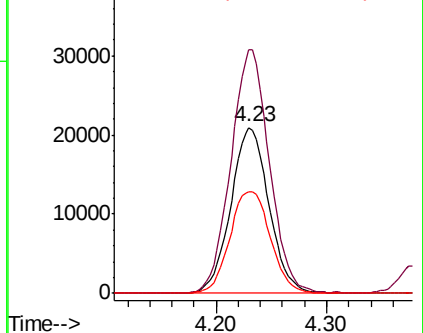
98 65.1 0.0 128.6



Abundance Ion 95.90 (95.60 to 96.60): VU0

Ion 60.90 (60.60 to 61.60): VU0

Ion 97.90 (97.60 to 98.60): VU0



#28

Bromochloromethane

Concen: 21.35 ug/l

RT: 4.55 min Scan# 1233

Delta R.T. 0.00 min

Lab File: VU025672.D

Acq: 27 Jul 2018 16:28

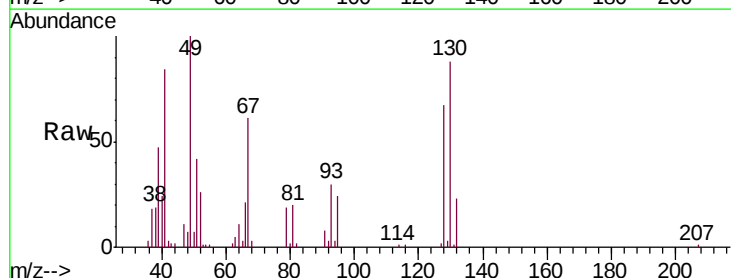
Tgt Ion: 49 Resp: 39235

Ion Ratio Lower Upper

49 100

129 2.2 0.0 4.6

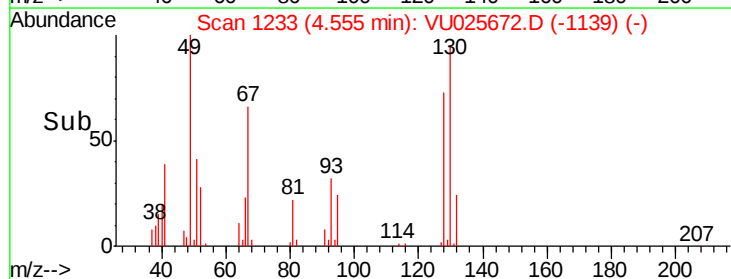
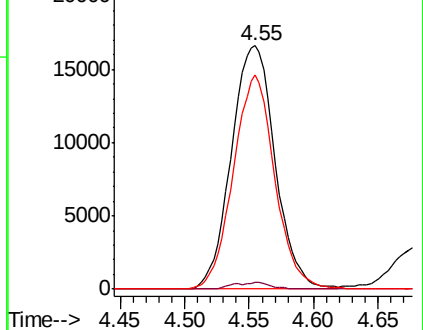
130 83.2 68.6 102.8

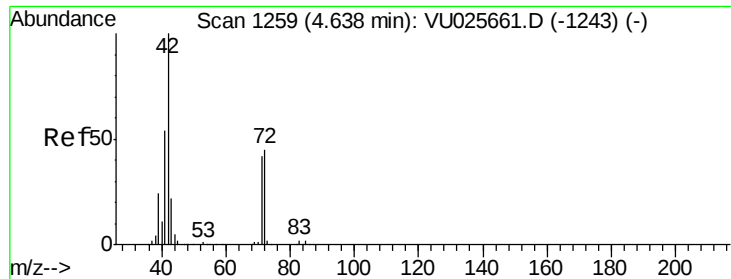


Abundance Ion 48.90 (48.60 to 49.60): VU0

Ion 128.80 (128.50 to 129.50): V

Ion 129.80 (129.50 to 130.50): V





#29

Tetrahydrofuran

Concen: 106.62 ug/l

RT: 4.64 min Scan# 1260

Delta R.T. 0.00 min

Lab File: VU025672.D

Acq: 27 Jul 2018 16:28

Instrument :

MSVOA_U

ClientSampleId :

VU0727WBS01

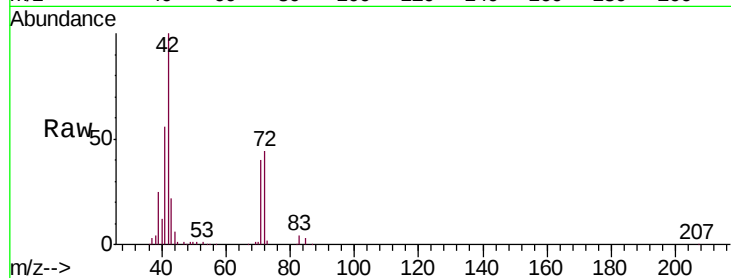
Tot Ion: 42 Resp: 118933

Ion Ratio Lower Upper

42 100

72 46.2 36.7 55.1

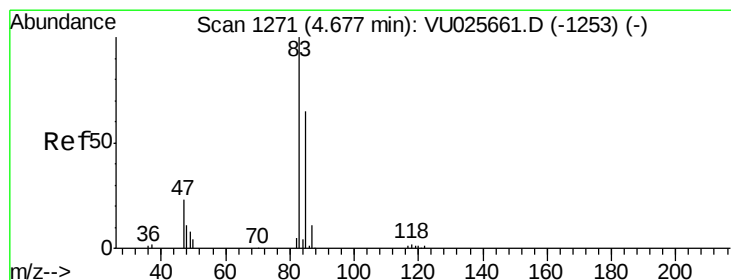
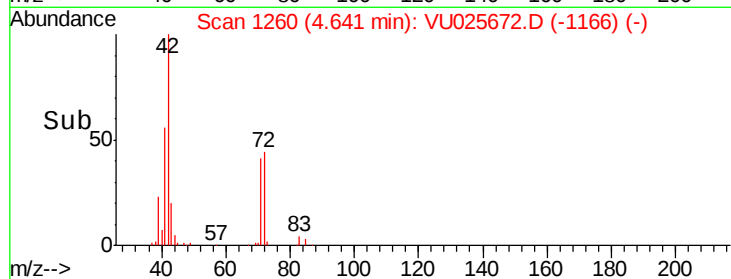
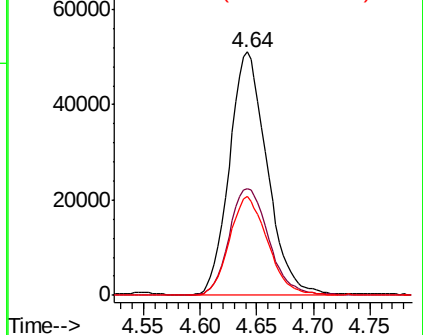
71 41.0 33.9 50.9



Abundance Ion 42.00 (41.70 to 42.70): VU0

Ion 72.00 (71.70 to 72.70): VU0

Ion 71.00 (70.70 to 71.70): VU0



#30

Chloroform

Concen: 19.77 ug/l

RT: 4.68 min Scan# 1272

Delta R.T. 0.00 min

Lab File: VU025672.D

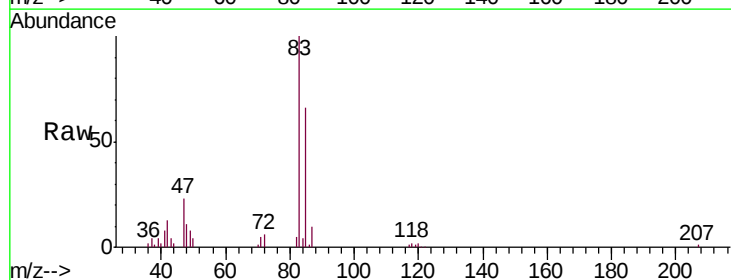
Acq: 27 Jul 2018 16:28

Tgt Ion: 83 Resp: 85737

Ion Ratio Lower Upper

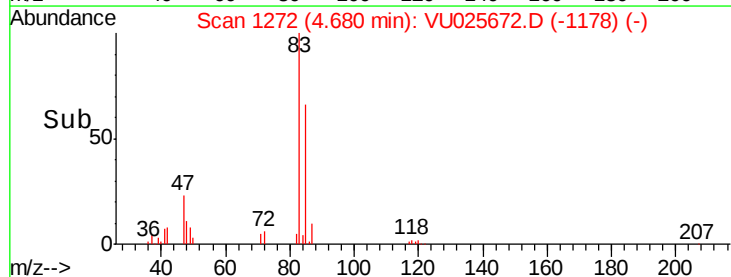
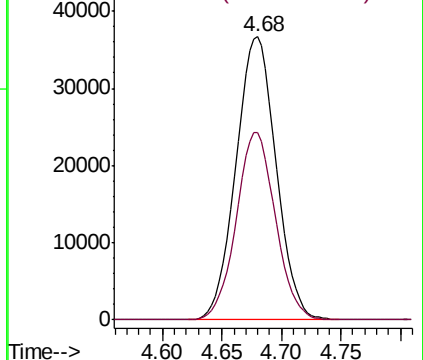
83 100

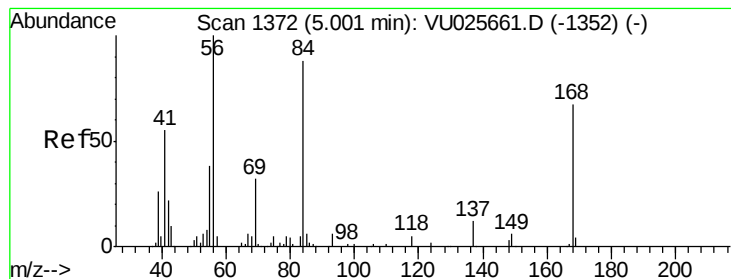
85 66.3 51.5 77.3



Abundance Ion 82.90 (82.60 to 83.60): VU0

Ion 84.90 (84.60 to 85.60): VU0





#31

Cvclohexane

Concen: 19.56 ug/l

RT: 5.00 min Scan# 1371

Delta R.T. -0.00 min

Lab File: VU025672.D

Acq: 27 Jul 2018 16:28

Instrument :

MSVOA_U

ClientSampleId :

VU0727WBS01

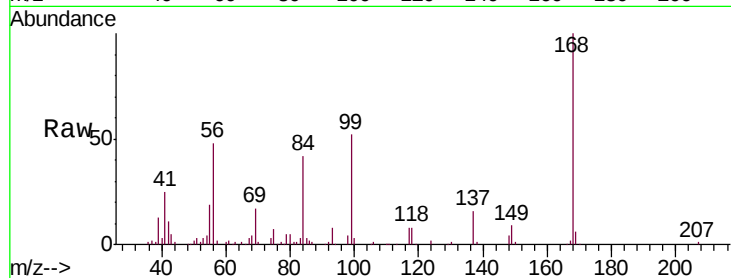
Tot Ion: 56 Resp: 72854

Ion Ratio Lower Upper

56 100

69 35.0 26.8 40.2

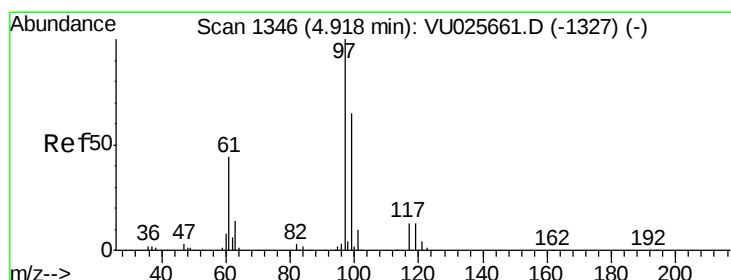
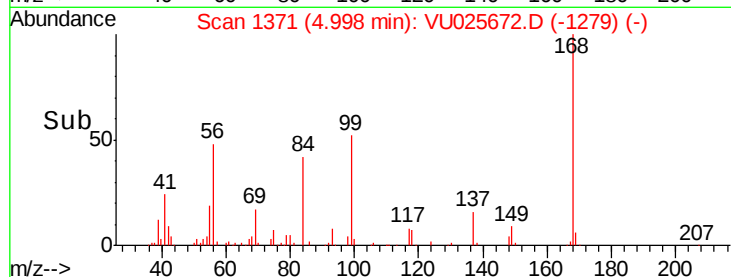
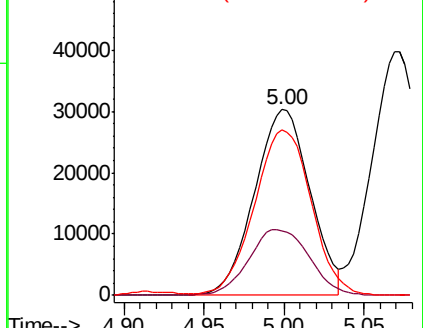
84 88.2 69.7 104.5



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: 20.08 ug/l

RT: 4.92 min Scan# 1346

Delta R.T. 0.00 min

Lab File: VU025672.D

Acq: 27 Jul 2018 16:28

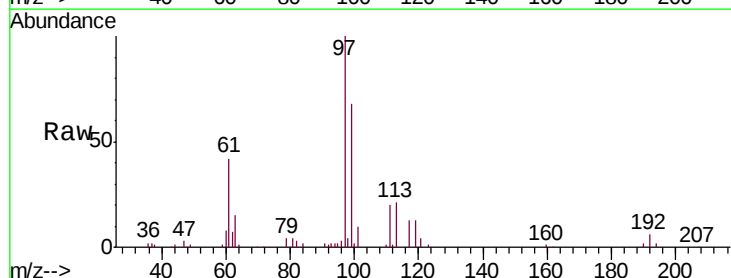
Tgt Ion: 97 Resp: 78434

Ion Ratio Lower Upper

97 100

99 65.6 50.8 76.2

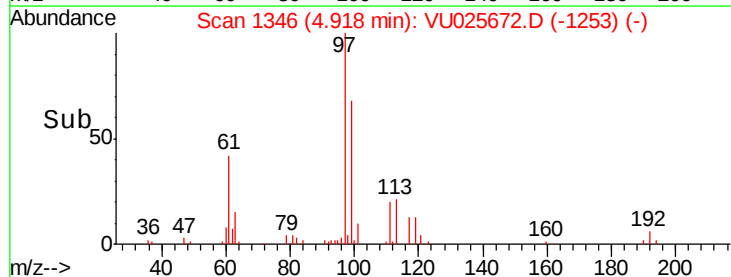
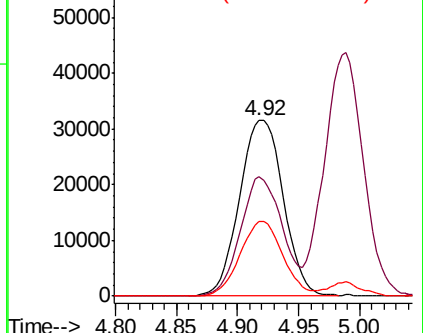
61 41.6 35.2 52.8

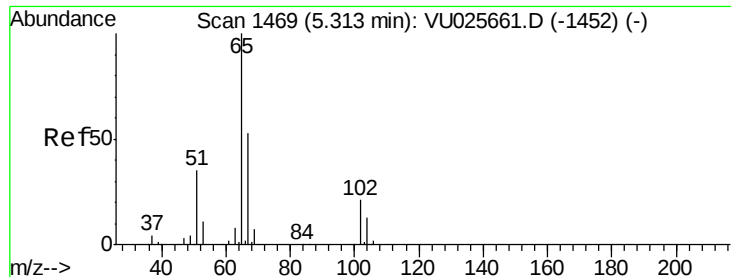


Abundance Ion 96.90 (96.60 to 97.60): VU0

Ion 98.90 (98.60 to 99.60): VU0

Ion 60.90 (60.60 to 61.60): VU0





#33

1,2-Dichloroethane-d4

Concen: 50.82 ug/l

RT: 5.31 min Scan# 1469

Delta R.T. 0.00 min

Lab File: VU025672.D

Acq: 27 Jul 2018 16:28

Instrument :

MSVOA_U

ClientSampleId :

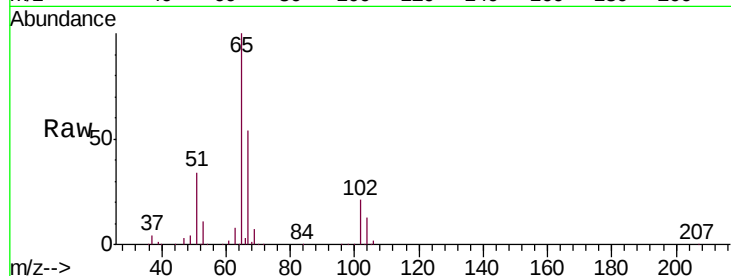
VU0727WBS01

Tot Ion: 65 Resp: 142572

Ion Ratio Lower Upper

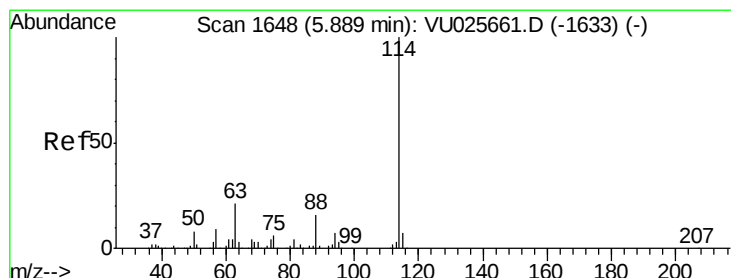
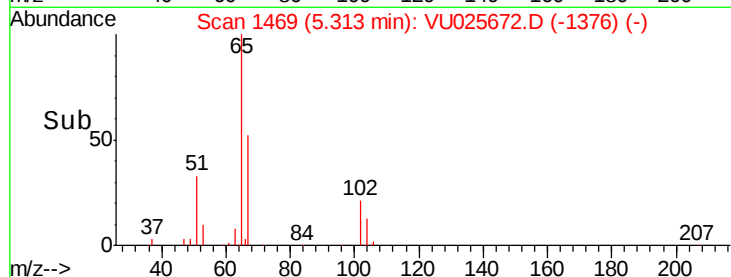
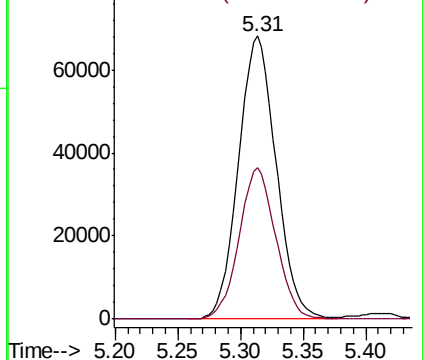
65 100

67 51.9 0.0 103.6



Abundance Ion 64.90 (64.60 to 65.60): VU0

Ion 66.90 (66.60 to 67.60): VU0



#34

1,4-Difluorobenzene

Concen: 50.00 ug/l

RT: 5.89 min Scan# 1648

Delta R.T. 0.00 min

Lab File: VU025672.D

Acq: 27 Jul 2018 16:28

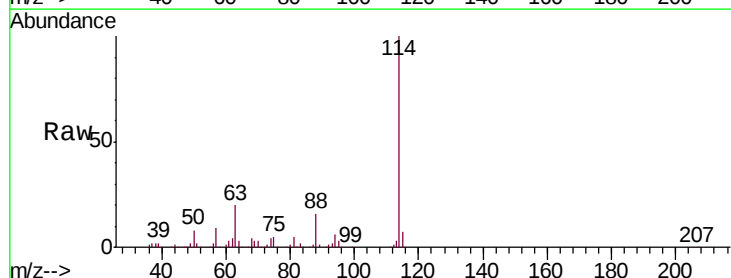
Tgt Ion: 114 Resp: 269817

Ion Ratio Lower Upper

114 100

63 19.5 0.0 41.6

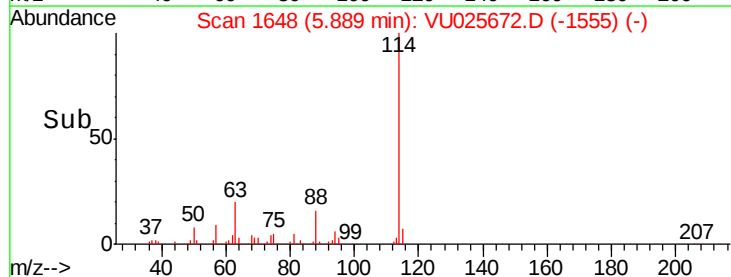
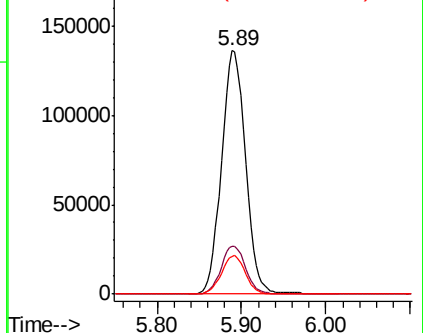
88 15.6 0.0 32.4

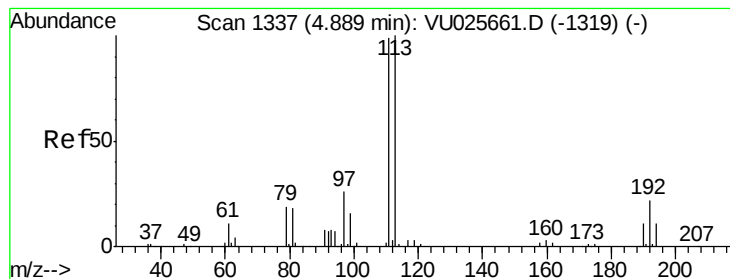


Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VU0

Ion 87.90 (87.60 to 88.60): VU0





#35

Dibromofluoromethane

Concen: 50.30 ug/l

RT: 4.89 min Scan# 1336

Delta R.T. -0.00 min

Lab File: VU025672.D

Acq: 27 Jul 2018 16:28

Instrument :

MSVOA_U

ClientSampleId :

VU0727WBS01

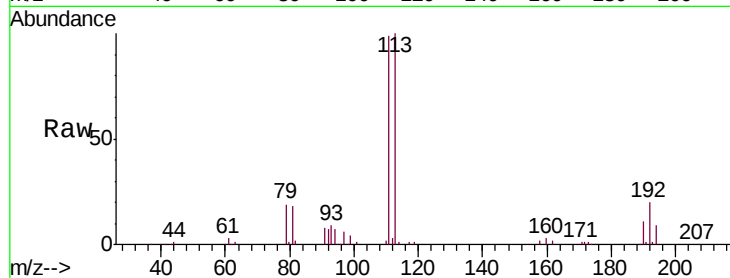
Tot Ion:113 Resp: 118046

Ion Ratio Lower Upper

113 100

111 100.6 81.7 122.5

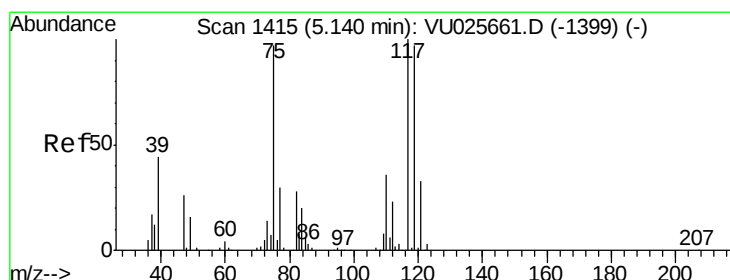
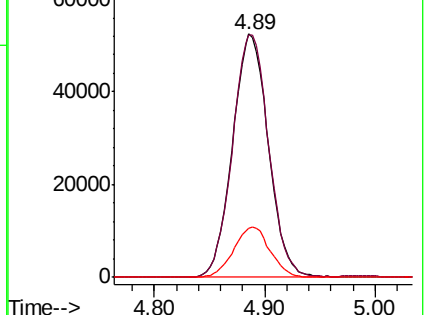
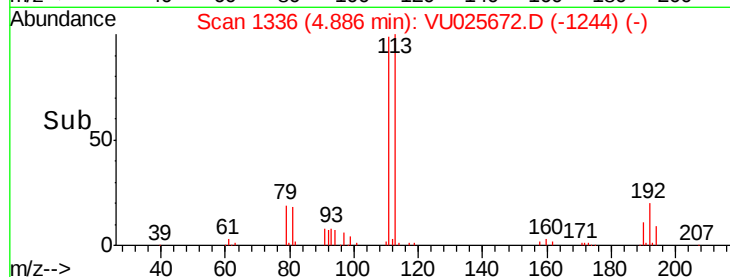
192 20.9 17.1 25.7



Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V



#36

1,1-Dichloropropene

Concen: 19.85 ug/l

RT: 5.14 min Scan# 1415

Delta R.T. 0.00 min

Lab File: VU025672.D

Acq: 27 Jul 2018 16:28

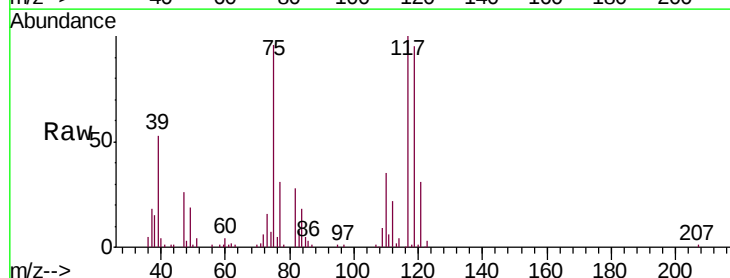
Tgt Ion: 75 Resp: 62588

Ion Ratio Lower Upper

75 100

110 36.0 17.6 52.9

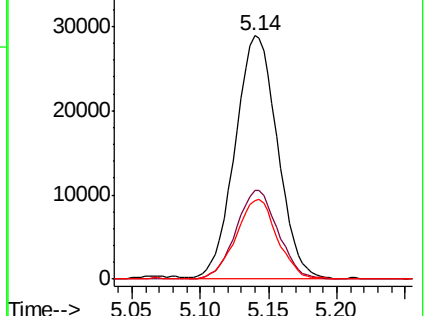
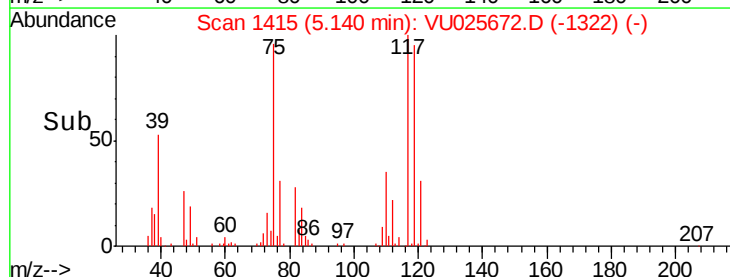
77 31.8 24.4 36.6

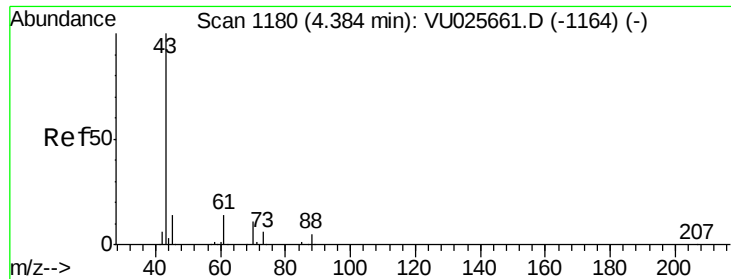


Abundance Ion 74.90 (74.60 to 75.60): VU0

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VU0

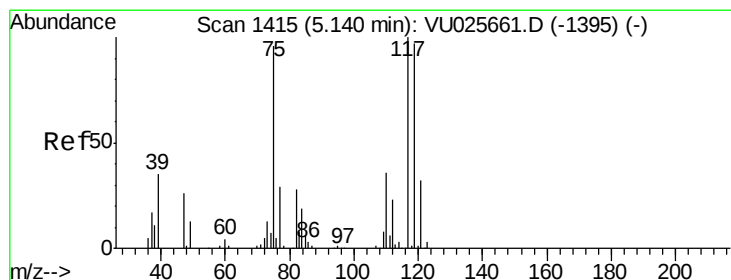
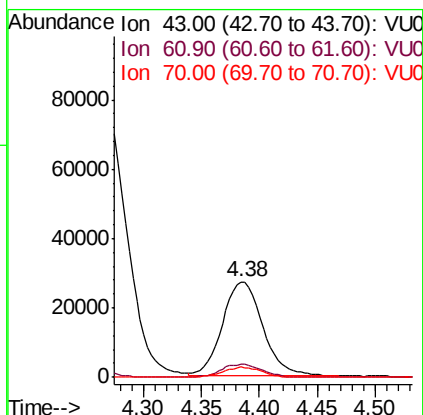
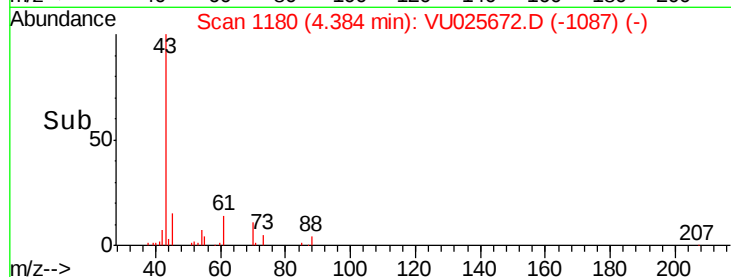
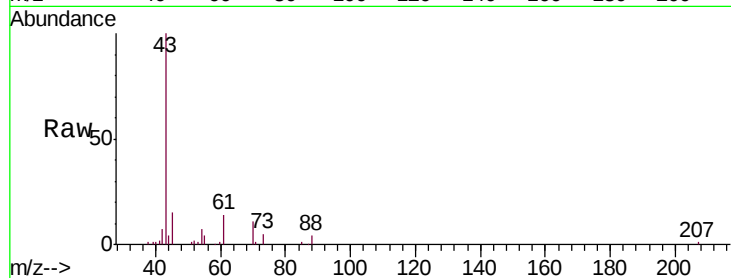




#37
Ethyl Acetate
Concen: 20.26 ug/l
RT: 4.38 min Scan# 1180
Delta R.T. 0.00 min
Lab File: VU025672.D
Acq: 27 Jul 2018 16:28

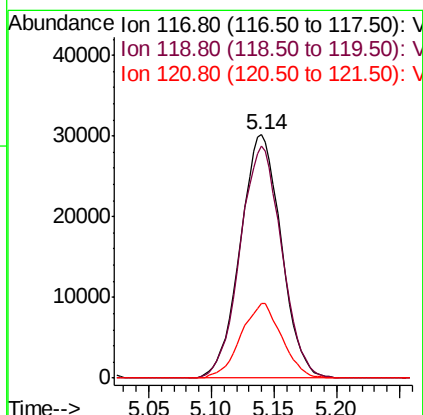
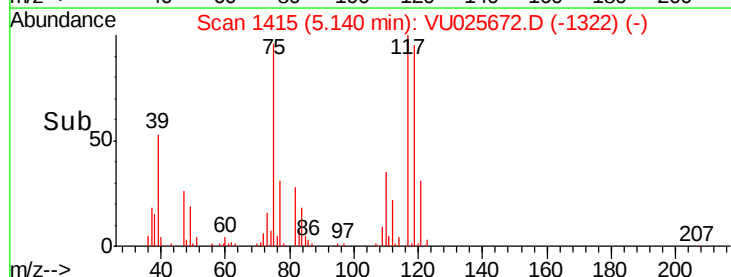
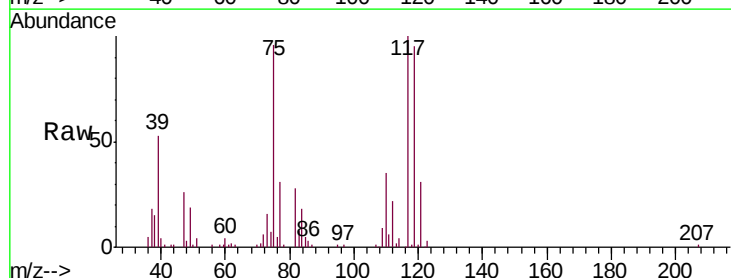
Instrument :
MSVOA_U
ClientSampleId :
VU0727WBS01

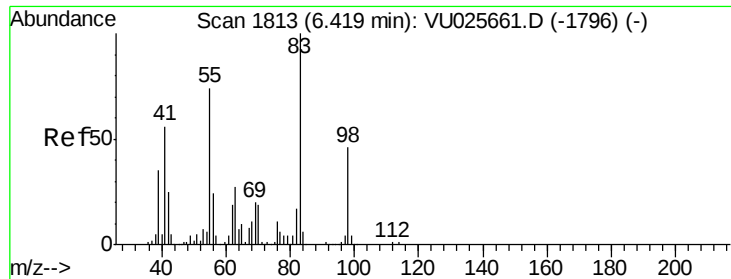
Tot Ion: 43 Resp: 66227
Ion Ratio Lower Upper
43 100
61 14.5 10.7 16.1
70 10.4 8.4 12.6



#38
Carbon Tetrachloride
Concen: 19.18 ug/l
RT: 5.14 min Scan# 1415
Delta R.T. 0.00 min
Lab File: VU025672.D
Acq: 27 Jul 2018 16:28

Tgt Ion: 117 Resp: 68512
Ion Ratio Lower Upper
117 100
119 95.4 75.7 113.5
121 30.7 24.6 36.8

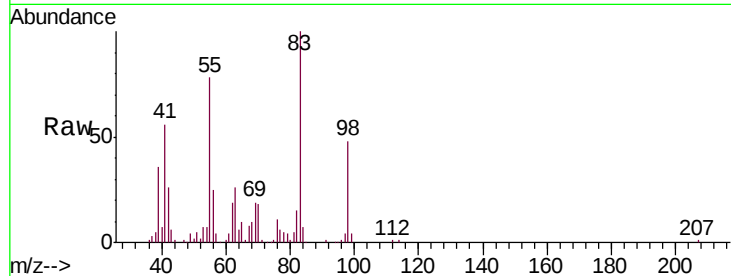




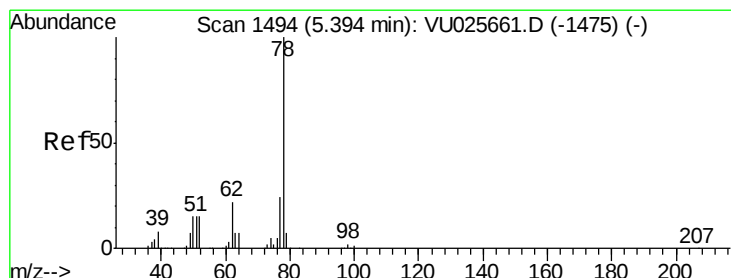
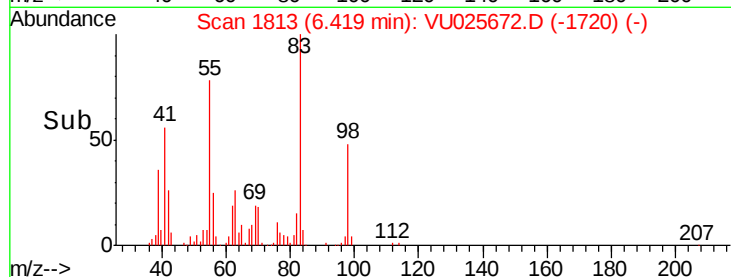
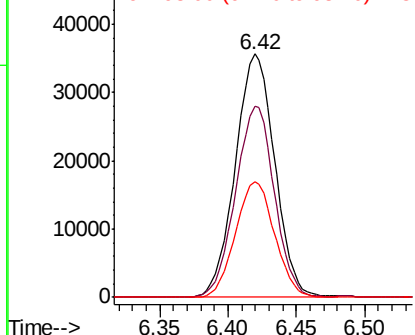
#39
Methvlcvclohexane
Concen: 19.87 ug/l
RT: 6.42 min Scan# 1813
Delta R.T. 0.00 min
Lab File: VU025672.D
Acq: 27 Jul 2018 16:28

Instrument :
MSVOA_U
ClientSampleId :
VU0727WBS01

Tot Ion: 83 Resp: 71778
Ion Ratio Lower Upper
83 100
55 78.4 60.0 90.0
98 47.7 36.1 54.1

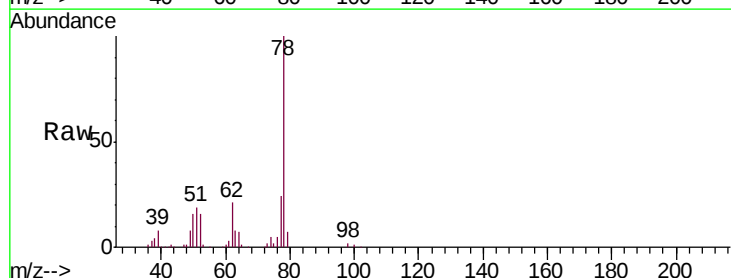


Abundance Ion 83.00 (82.70 to 83.70): VU0
Ion 55.00 (54.70 to 55.70): VU0
Ion 98.00 (97.70 to 98.70): VU0

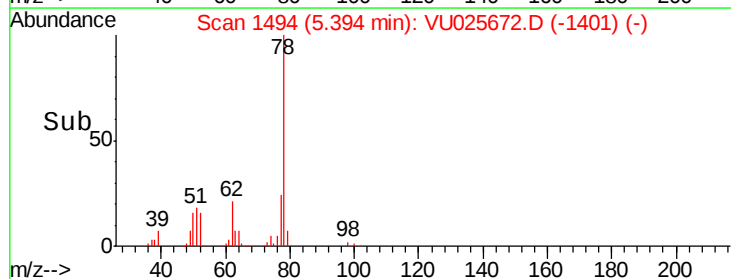
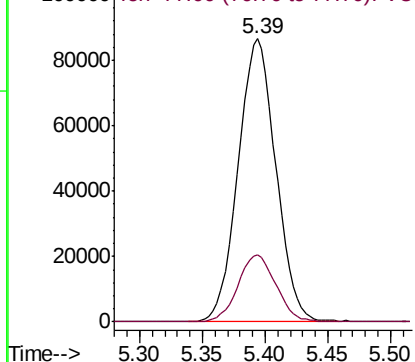


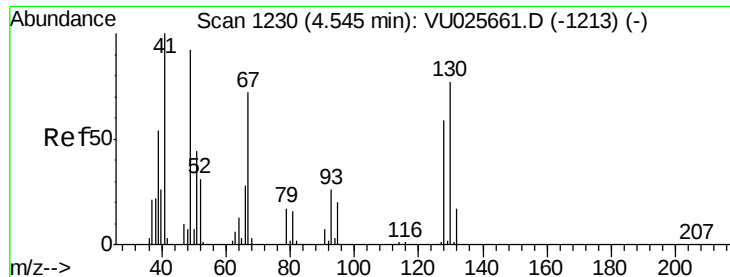
#40
Benzene
Concen: 19.66 ug/l
RT: 5.39 min Scan# 1494
Delta R.T. 0.00 min
Lab File: VU025672.D
Acq: 27 Jul 2018 16:28

Tgt Ion: 78 Resp: 181192
Ion Ratio Lower Upper
78 100
77 23.7 19.8 29.6



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

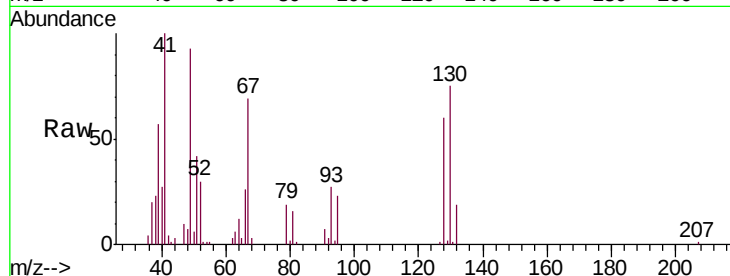




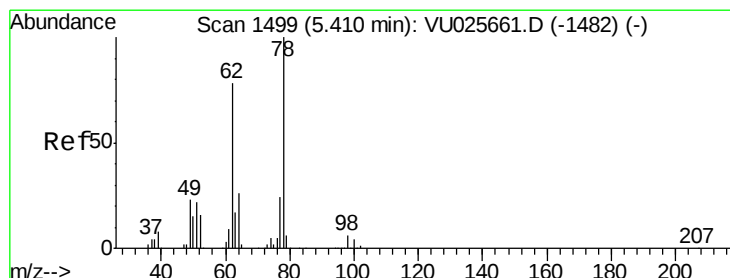
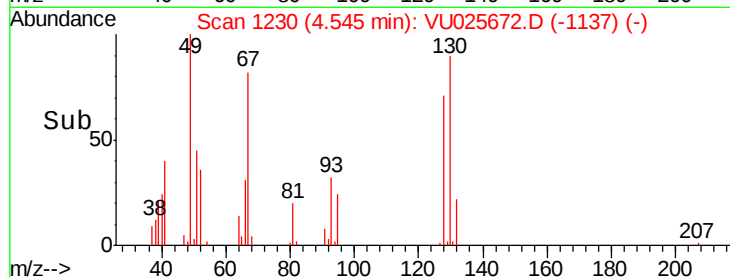
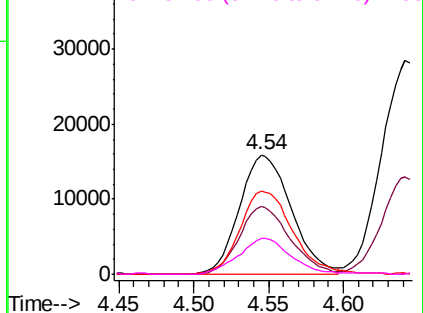
#41
Methacrylonitrile
Concen: 21.04 ug/l
RT: 4.54 min Scan# 1230
Delta R.T. 0.00 min
Lab File: VU025672.D
Acq: 27 Jul 2018 16:28

Instrument :
MSVOA_U
ClientSampleId :
VU0727WBS01

Tot Ion:	41	Resp:	38212
Ion	Ratio	Lower	Upper
41	100		
39	55.9	44.4	66.6
67	71.1	56.0	84.0
52	30.5	24.6	36.8

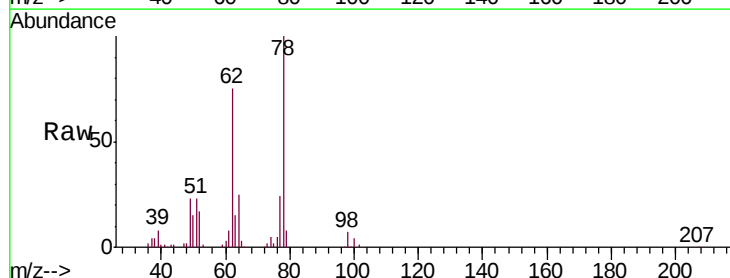


Abundance Ion 41.00 (40.70 to 41.70): VU0
Ion 39.00 (38.70 to 39.70): VU0
Ion 67.00 (66.70 to 67.70): VU0
Ion 52.00 (51.70 to 52.70): VU0

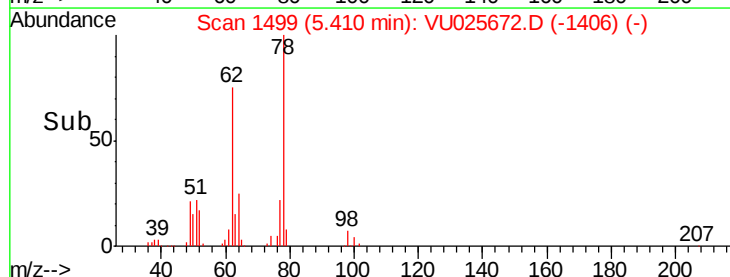
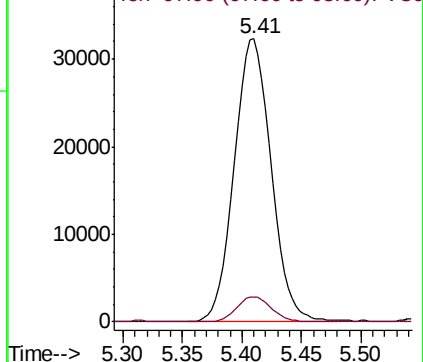


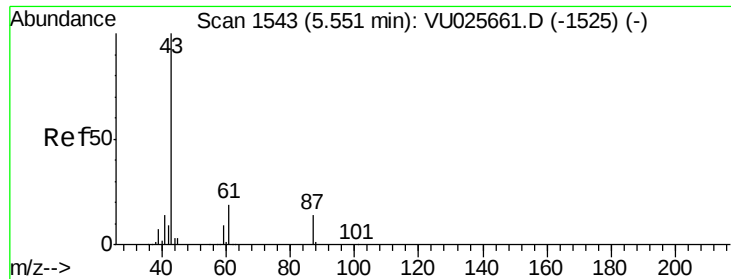
#42
1,2-Dichloroethane
Concen: 19.63 ug/l
RT: 5.41 min Scan# 1499
Delta R.T. 0.00 min
Lab File: VU025672.D
Acq: 27 Jul 2018 16:28

Tgt Ion:	62	Resp:	69686
Ion	Ratio	Lower	Upper
62	100		
98	8.3	0.0	16.4



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



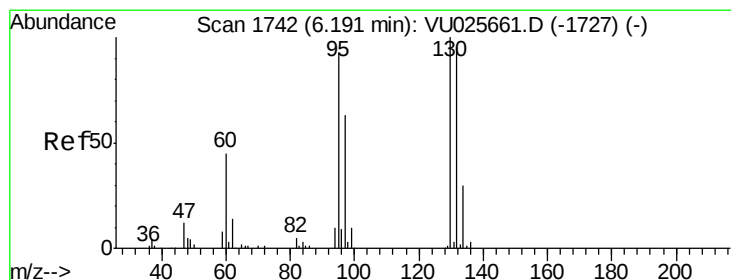
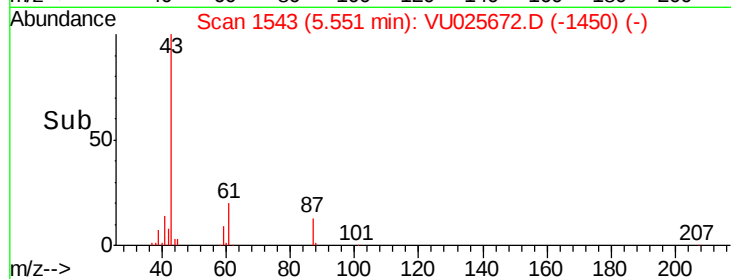
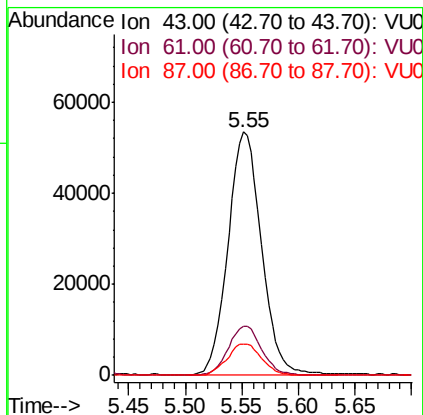
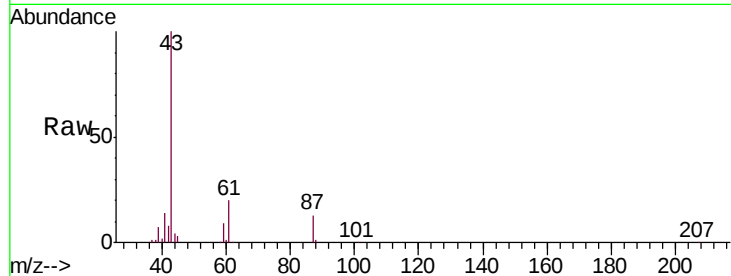


#43

Isopropyl Acetate
 Concen: 20.26 ug/l
 RT: 5.55 min Scan# 1543
 Delta R.T. 0.00 min
 Lab File: VU025672.D
 Acq: 27 Jul 2018 16:28

Instrument :
 MSVOA_U
 ClientSampleId :
 VU0727WBS01

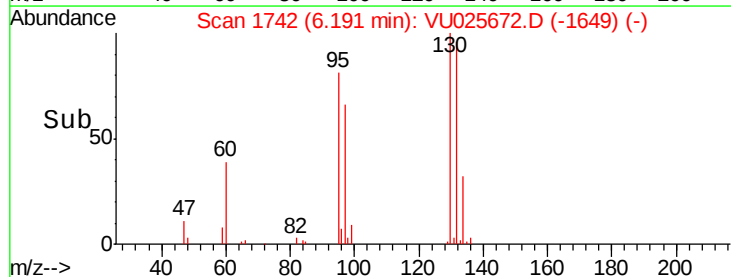
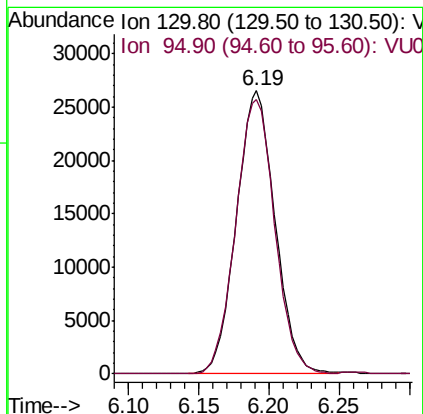
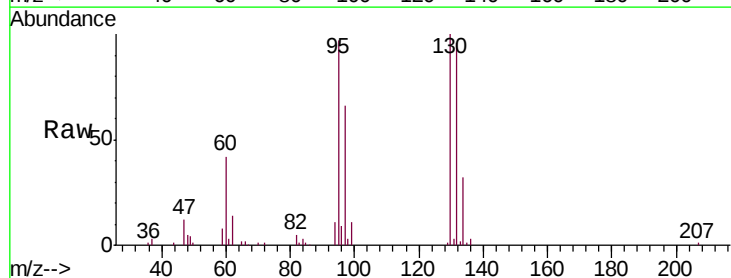
Tot Ion	43	Resp	109443
Ion Ratio	Lower	Upper	
43	100		
61	20.3	15.5	23.3
87	13.4	10.6	16.0

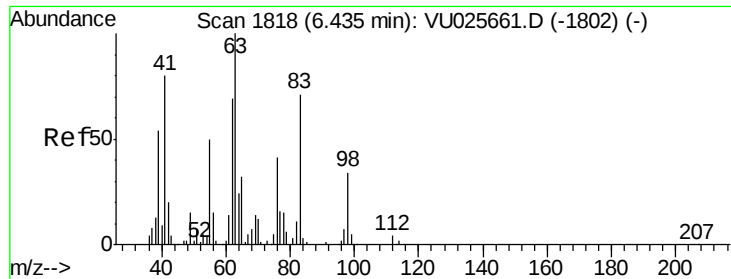


#44

Trichloroethene
 Concen: 19.84 ug/l
 RT: 6.19 min Scan# 1742
 Delta R.T. 0.00 min
 Lab File: VU025672.D
 Acq: 27 Jul 2018 16:28

Tgt Ion	130	Resp	50930
Ion Ratio	Lower	Upper	
130	100		
95	97.0	0.0	192.2

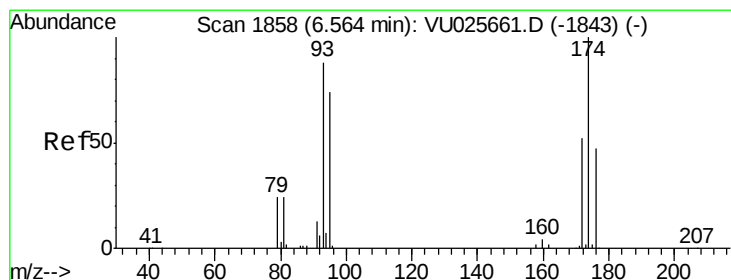
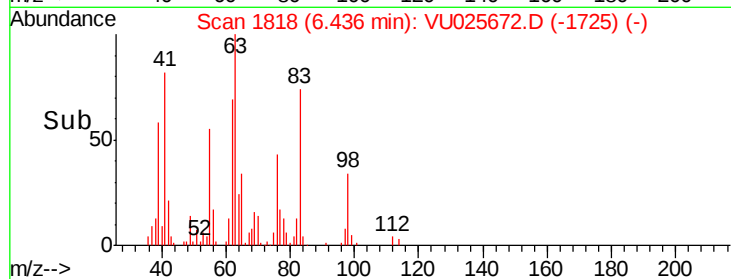
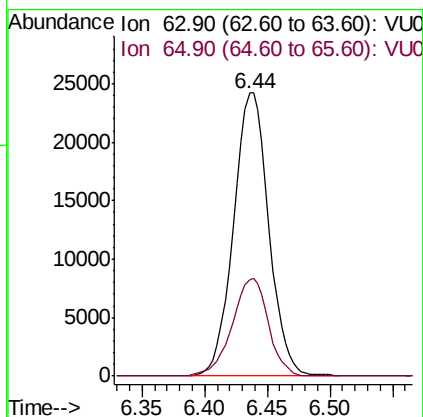
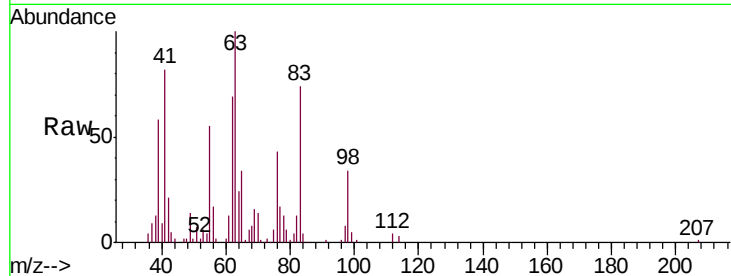




#45
 1,2-Dichloropropane
 Concen: 19.63 ug/l
 RT: 6.44 min Scan# 1818
 Delta R.T. 0.00 min
 Lab File: VU025672.D
 Acq: 27 Jul 2018 16:28

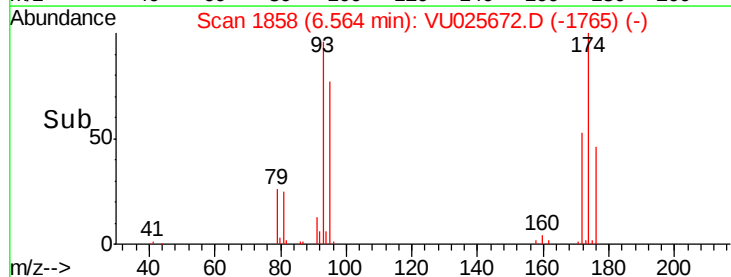
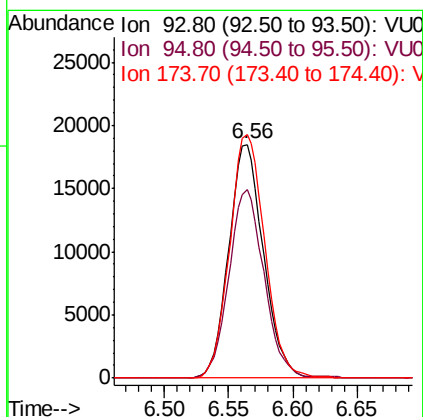
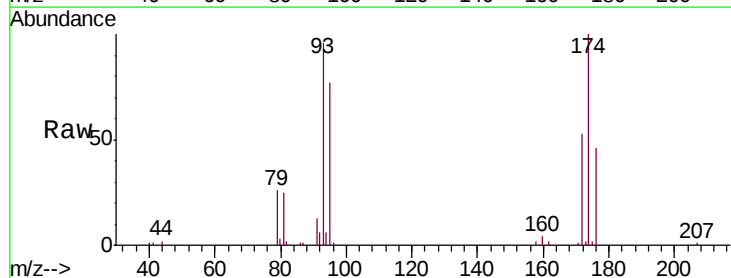
Instrument :
 MSVOA_U
 ClientSampleId :
 VU0727WBS01

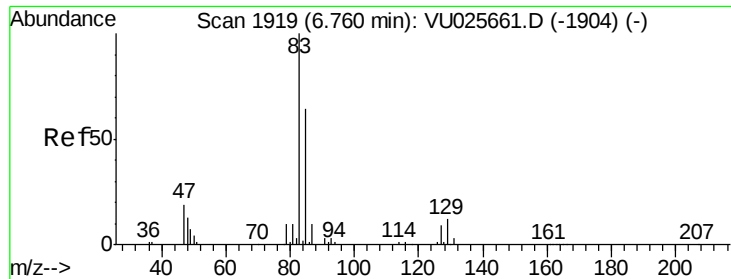
Tot Ion: 63 Resp: 47189
 Ion Ratio Lower Upper
 63 100
 65 34.3 26.1 39.1



#46
 Dibromomethane
 Concen: 19.87 ug/l
 RT: 6.56 min Scan# 1858
 Delta R.T. 0.00 min
 Lab File: VU025672.D
 Acq: 27 Jul 2018 16:28

Tgt Ion: 93 Resp: 34604
 Ion Ratio Lower Upper
 93 100
 95 81.6 66.6 100.0
 174 105.8 85.8 128.8

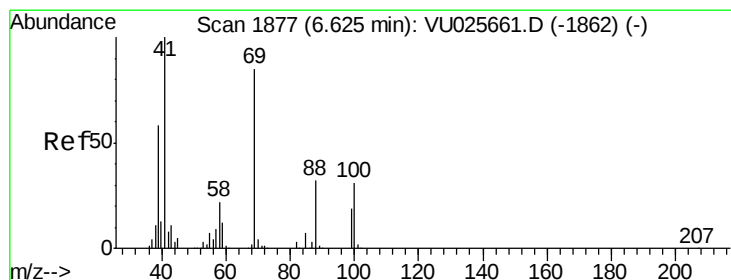
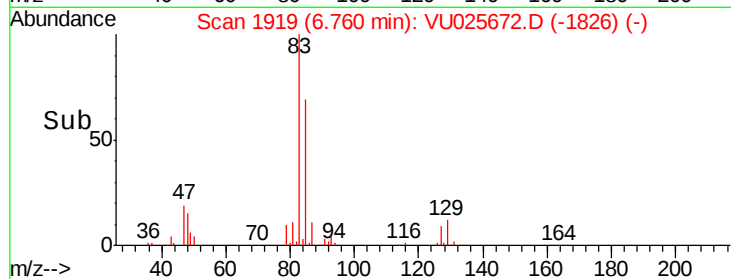
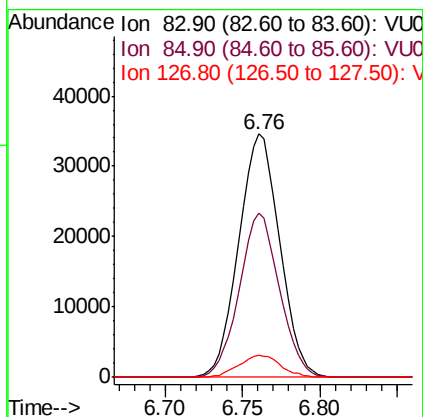
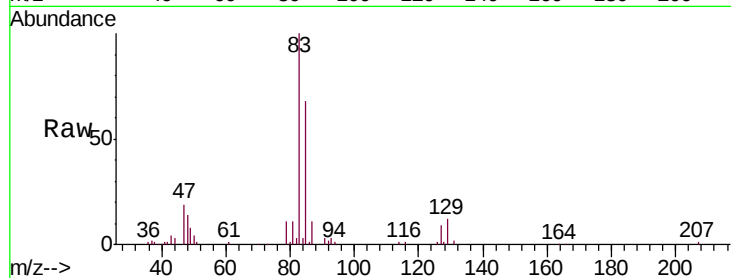




#47
Bromodichloromethane
Concen: 19.22 ug/l
RT: 6.76 min Scan# 1919
Delta R.T. 0.00 min
Lab File: VU025672.D
Acq: 27 Jul 2018 16:28

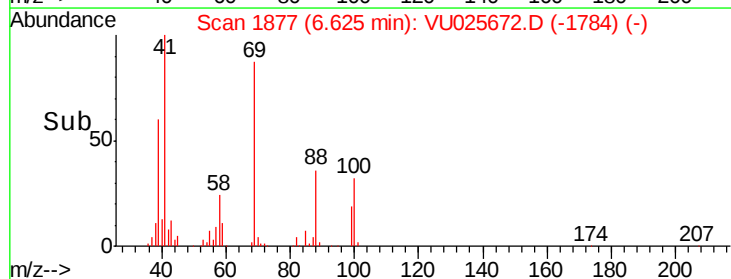
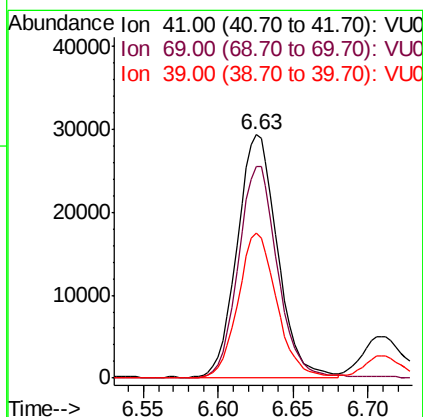
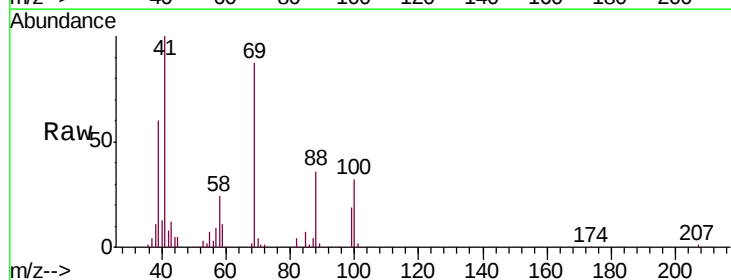
Instrument :
MSVOA_U
ClientSampleId :
VU0727WBS01

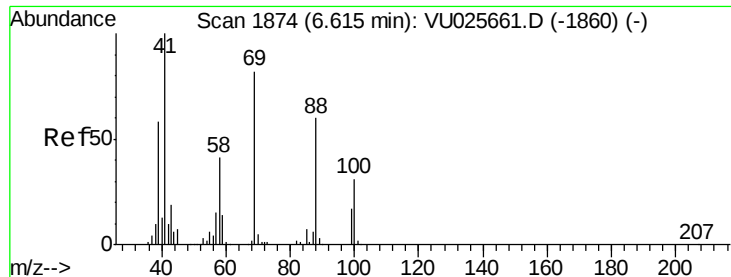
Tot Ion	83	Resp	63855
Ion Ratio	100		
Lower	50.2		
Upper	75.4		
85	67.7		
127	8.9		
	7.2		
	10.8		



#48
Methyl methacrylate
Concen: 20.85 ug/l
RT: 6.63 min Scan# 1877
Delta R.T. 0.00 min
Lab File: VU025672.D
Acq: 27 Jul 2018 16:28

Tgt Ion	41	Resp	55212
Ion Ratio	100		
Lower	65.0		
Upper	97.4		
69	84.6		
39	57.1		
	46.4		
	69.6		

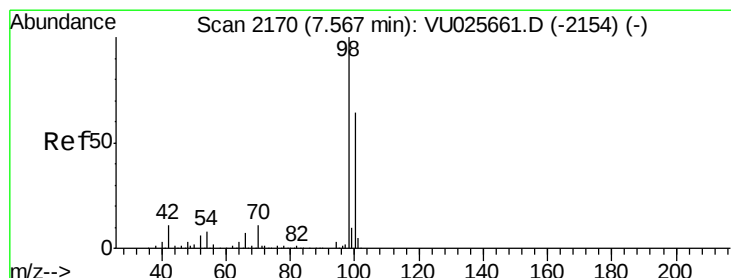
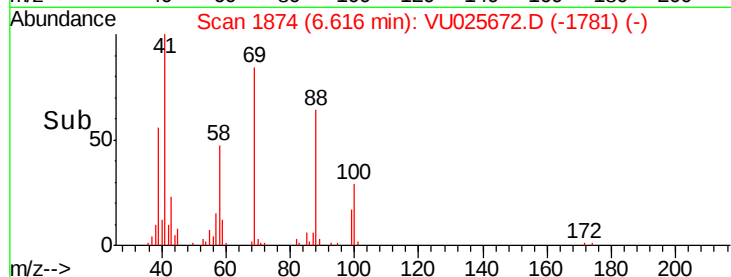
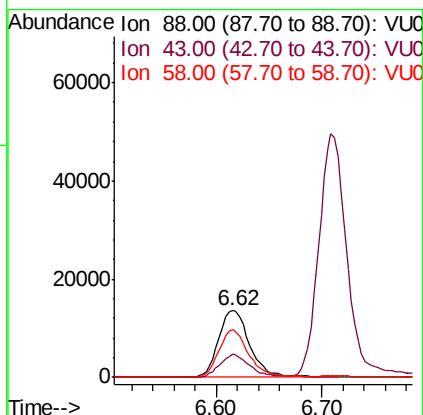
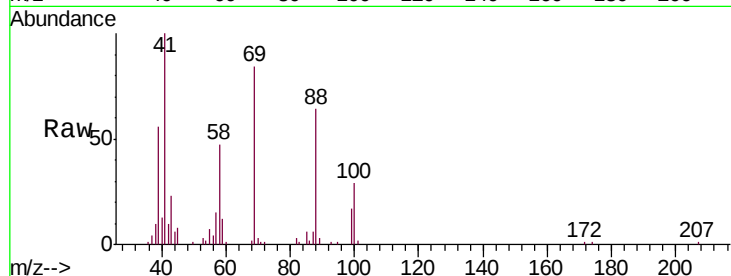




#49
1,4-Dioxane
Concen: 433.30 ug/l
RT: 6.62 min Scan# 1874
Delta R.T. 0.00 min
Lab File: VU025672.D
Acq: 27 Jul 2018 16:28

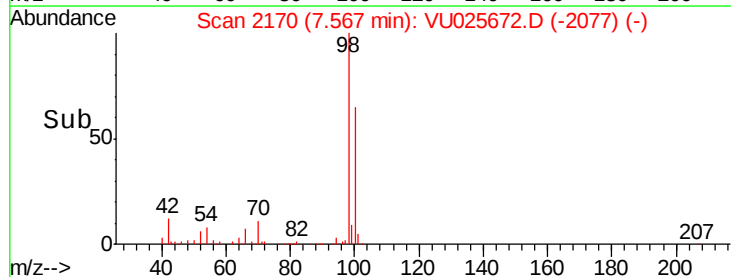
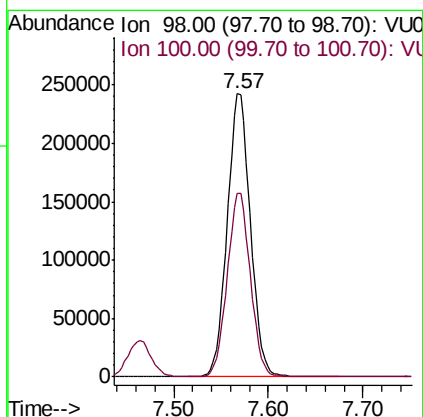
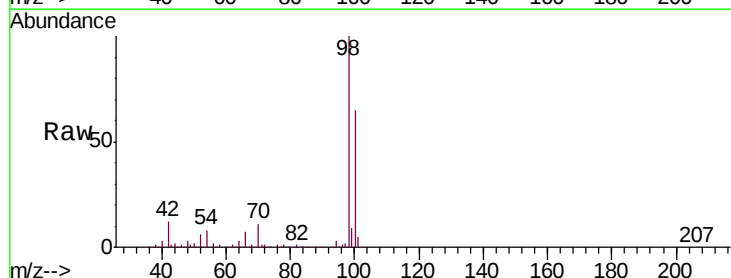
Instrument :
MSVOA_U
ClientSampleId :
VU0727WBS01

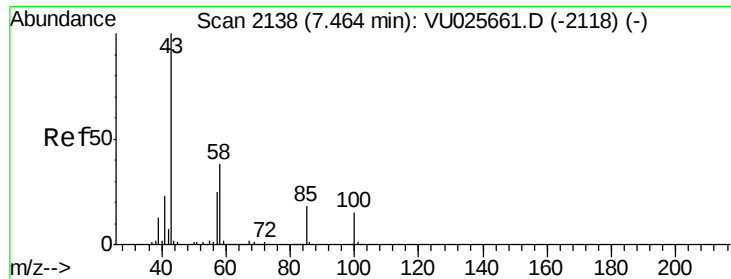
Tot Ion: 88 Resp: 27922
Ion Ratio Lower Upper
88 100
43 33.2 27.3 40.9
58 68.3 57.6 86.4



#50
Toluene-d8
Concen: 50.31 ug/l
RT: 7.57 min Scan# 2170
Delta R.T. 0.00 min
Lab File: VU025672.D
Acq: 27 Jul 2018 16:28

Tgt Ion: 98 Resp: 413147
Ion Ratio Lower Upper
98 100
100 64.7 51.1 76.7





#51

4-Methyl-2-Pentanone

Concen: 104.27 ug/l

RT: 7.46 min Scan# 2137

Delta R.T. -0.00 min

Lab File: VU025672.D

Acq: 27 Jul 2018 16:28

Instrument :

MSVOA_U

ClientSampleId :

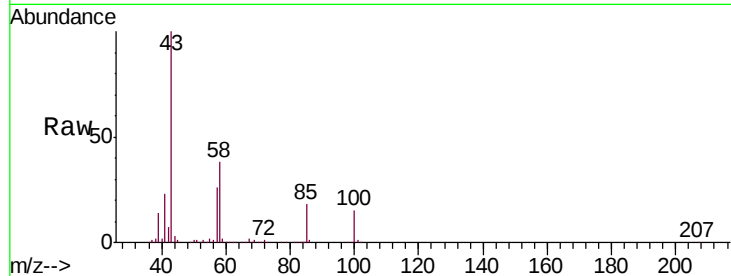
VU0727WBS01

Tot Ion: 43 Resp: 352689

Ion Ratio Lower Upper

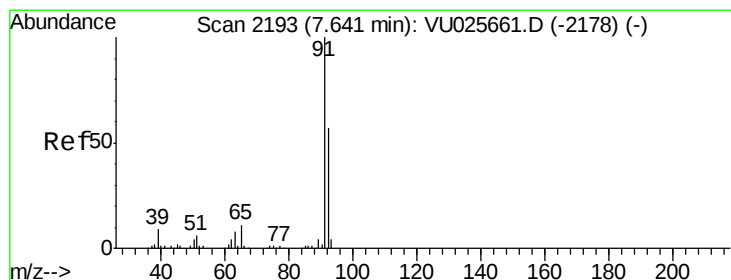
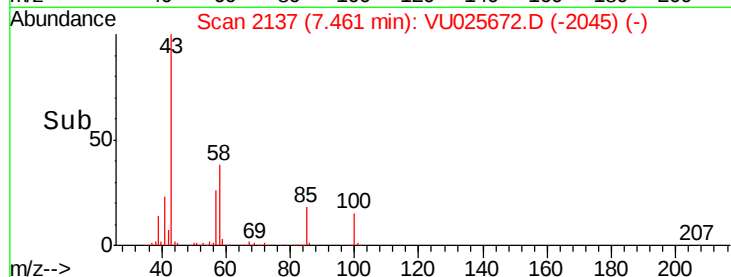
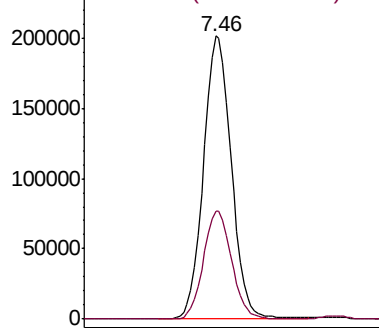
43 100

58 38.6 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: 20.25 ug/l

RT: 7.64 min Scan# 2193

Delta R.T. 0.00 min

Lab File: VU025672.D

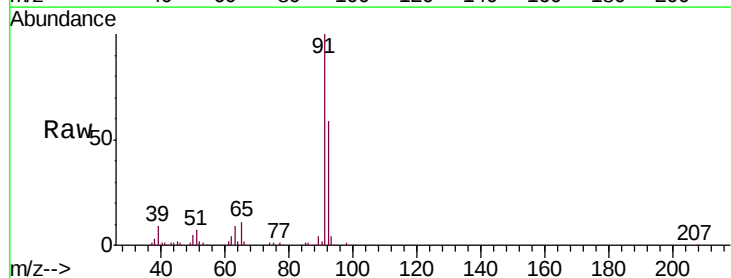
Acq: 27 Jul 2018 16:28

Tgt Ion: 92 Resp: 115927

Ion Ratio Lower Upper

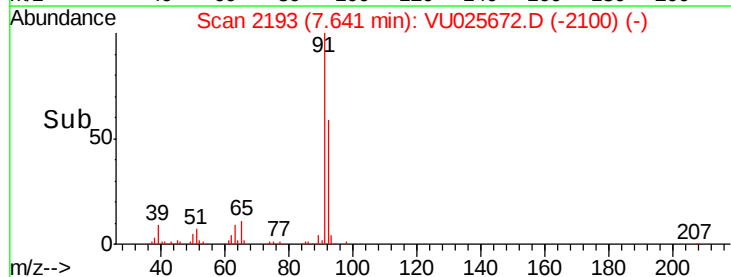
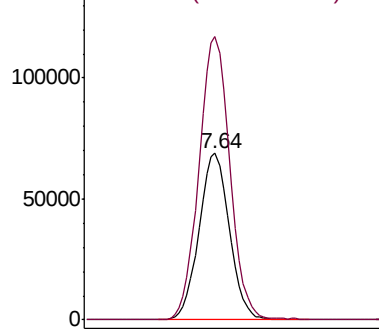
92 100

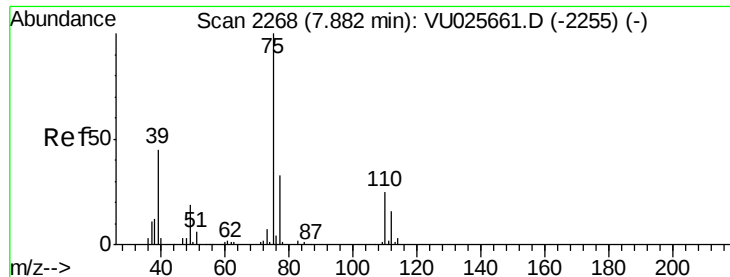
91 172.3 139.2 208.8



Abundance Ion 92.00 (91.70 to 92.70): VU0

Ion 91.00 (90.70 to 91.70): VU0





#53

t-1,3-Dichloropropene

Concen: 19.91 ug/l

RT: 7.88 min Scan# 2268

Delta R.T. 0.00 min

Lab File: VU025672.D

Acq: 27 Jul 2018 16:28

Instrument :

MSVOA_U

ClientSampleId :

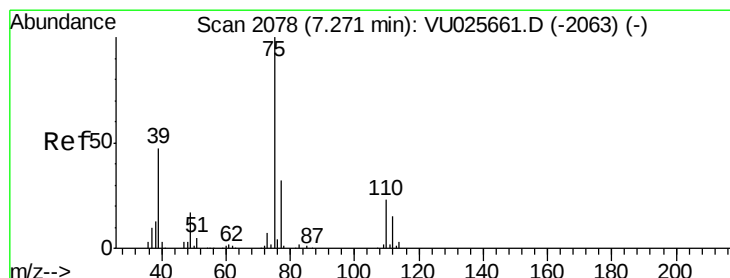
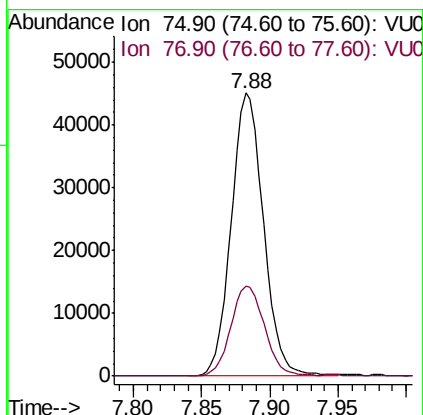
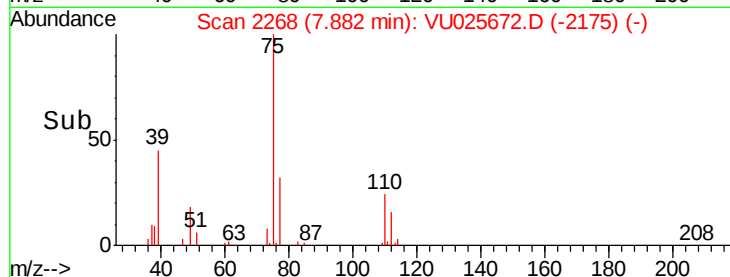
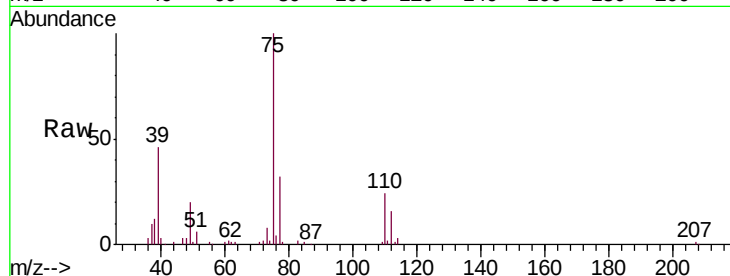
VU0727WBS01

Tot Ion: 75 Resp: 74274

Ion Ratio Lower Upper

75 100

77 32.0 24.5 36.7



#54

cis-1,3-Dichloropropene

Concen: 19.94 ug/l

RT: 7.27 min Scan# 2078

Delta R.T. 0.00 min

Lab File: VU025672.D

Acq: 27 Jul 2018 16:28

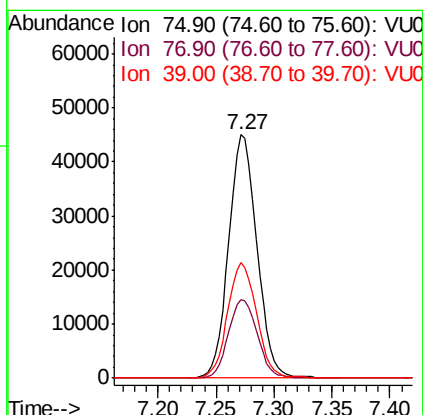
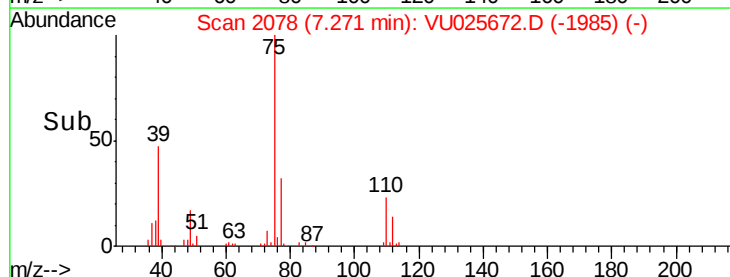
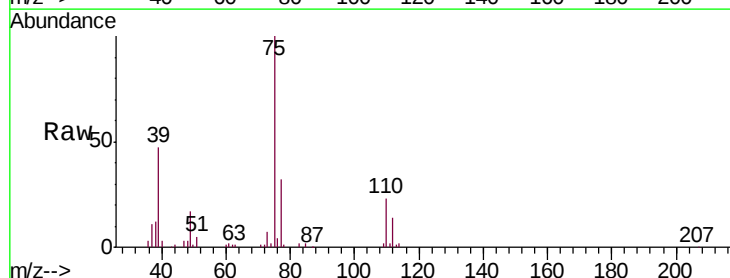
Tgt Ion: 75 Resp: 76393

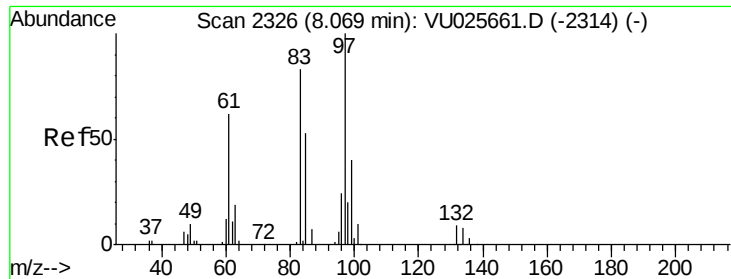
Ion Ratio Lower Upper

75 100

77 32.4 25.6 38.4

39 47.2 40.0 60.0

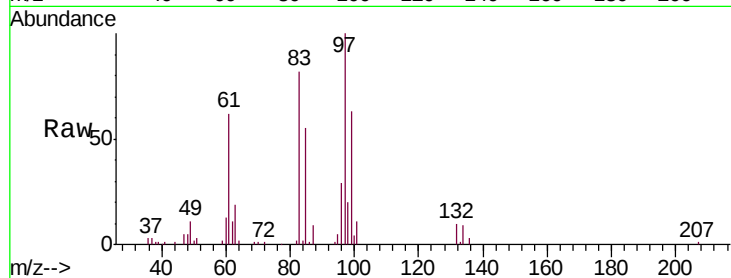




#55
 1,1,2-Trichloroethane
 Concen: 19.86 ug/l
 RT: 8.07 min Scan# 2327
 Delta R.T. 0.00 min
 Lab File: VU025672.D
 Acq: 27 Jul 2018 16:28

Instrument :
 MSVOA_U
 ClientSampleId :
 VU0727WBS01

Tot Ion:	97	Resp:	47260
Ion	Ratio	Lower	Upper
97	100		
83	82.3	68.9	103.3
85	54.2	44.4	66.6
99	63.0	51.0	76.4



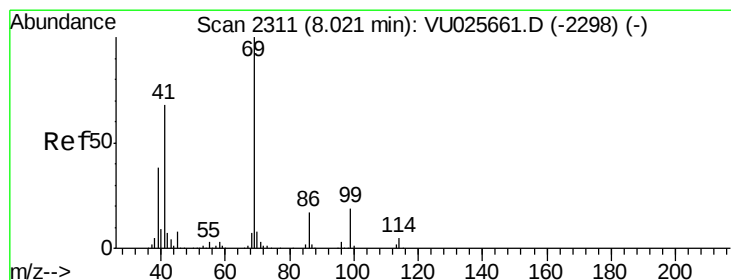
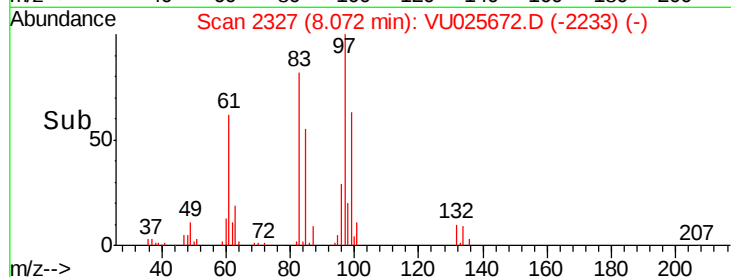
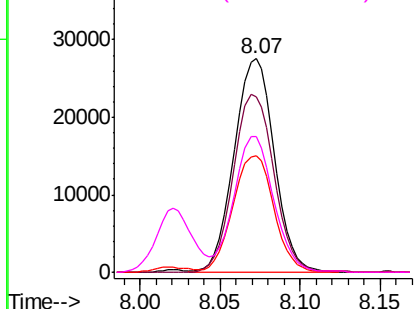
Abundance

Ion 96.90 (96.60 to 97.60): VU0

Ion 82.90 (82.60 to 83.60): VU0

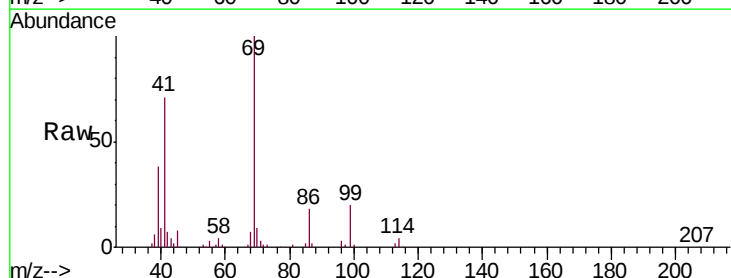
Ion 84.90 (84.60 to 85.60): VU0

Ion 98.90 (98.60 to 99.60): VU0



#56
 Ethyl methacrylate
 Concen: 20.64 ug/l
 RT: 8.02 min Scan# 2311
 Delta R.T. 0.00 min
 Lab File: VU025672.D
 Acq: 27 Jul 2018 16:28

Tgt Ion:	69	Resp:	70184
Ion	Ratio	Lower	Upper
69	100		
41	67.5	54.8	82.2
39	36.8	31.1	46.7

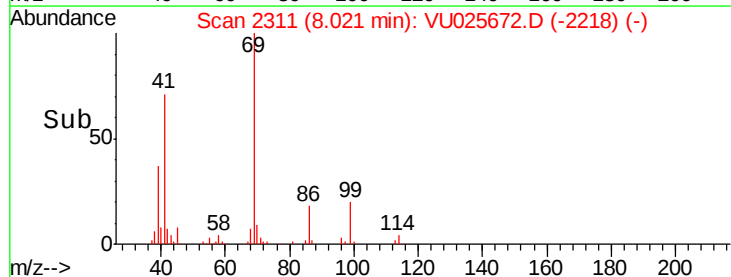
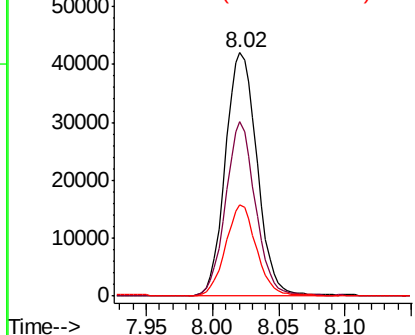


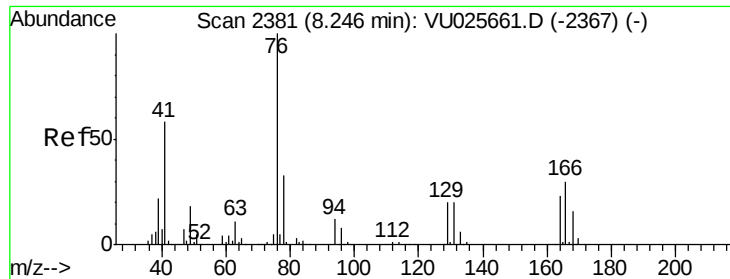
Abundance

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: 19.89 ug/l

RT: 8.25 min Scan# 2381

Delta R.T. 0.00 min

Lab File: VU025672.D

Acq: 27 Jul 2018 16:28

Instrument :

MSVOA_U

ClientSampleId :

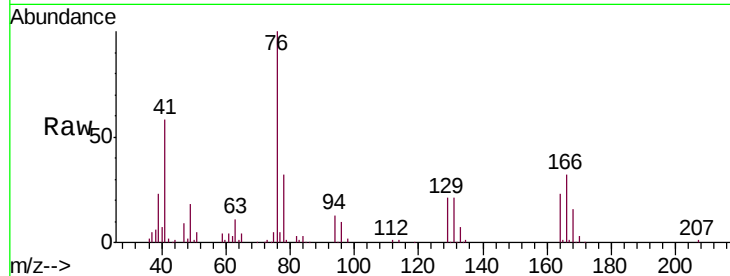
VU0727WBS01

Tot Ion: 76 Resp: 79600

Ion Ratio Lower Upper

76 100

78 32.2 26.1 39.1



Abundance Ion 75.90 (75.60 to 76.60): VU0

Ion 77.90 (77.60 to 78.60): VU0

8.25

50000

40000

30000

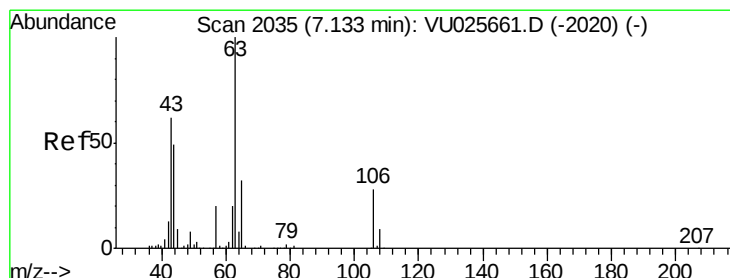
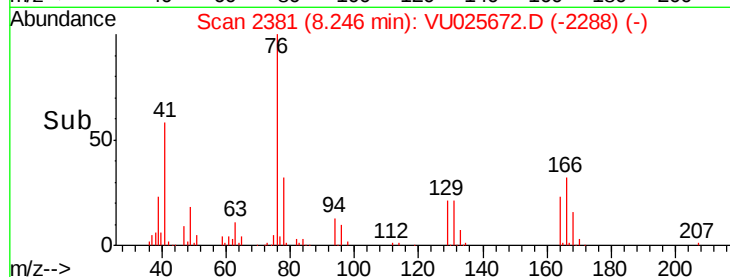
20000

10000

0

8.20 8.25 8.30

Time-->



#58

2-Chloroethyl Vinyl ether

Concen: 100.71 ug/l

RT: 7.13 min Scan# 2034

Delta R.T. -0.00 min

Lab File: VU025672.D

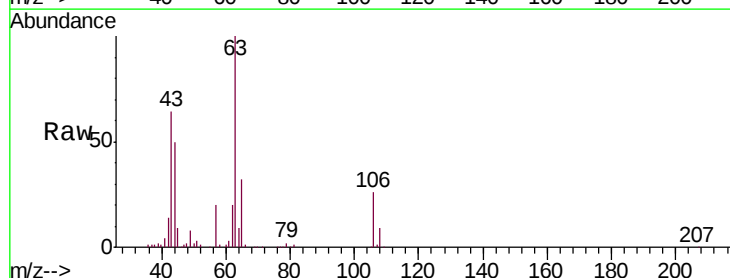
Acq: 27 Jul 2018 16:28

Tgt Ion: 63 Resp: 148370

Ion Ratio Lower Upper

63 100

106 26.8 22.3 33.5



Abundance Ion 62.90 (62.60 to 63.60): VU0

Ion 105.90 (105.60 to 106.60): V

7.13

100000

80000

60000

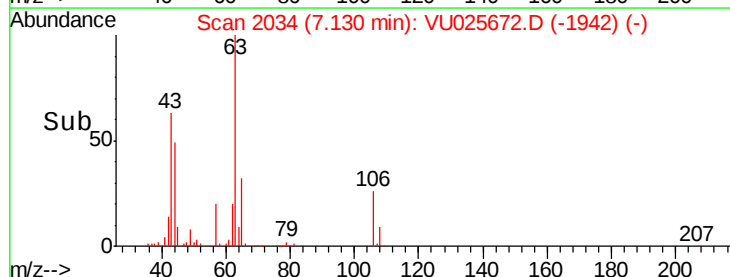
40000

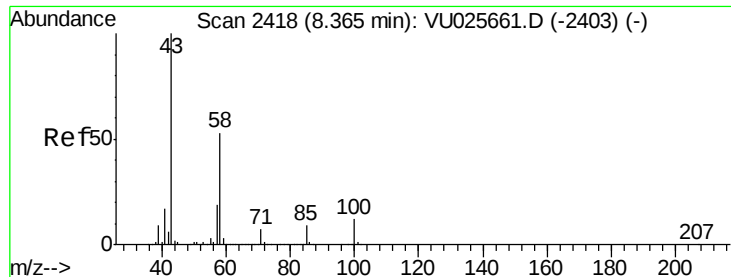
20000

0

7.05 7.10 7.15 7.20

Time-->

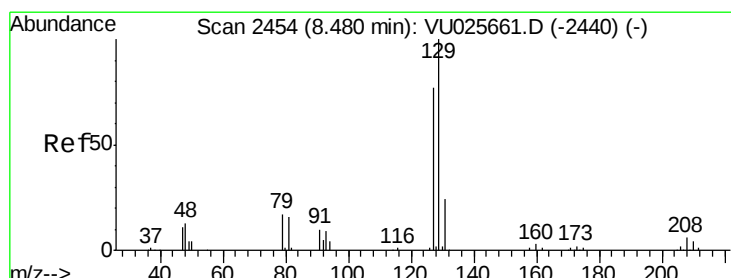
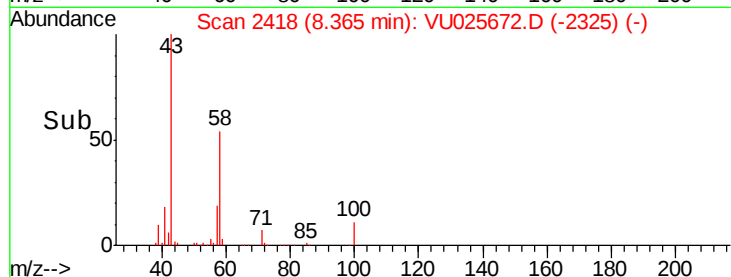
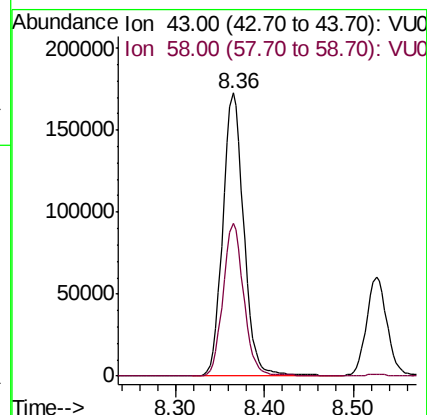
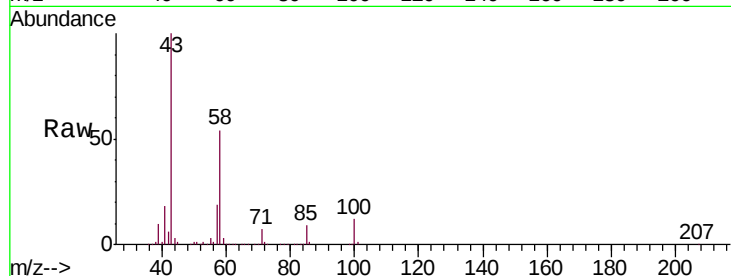




#59
2-Hexanone
Concen: 106.57 ug/l
RT: 8.36 min Scan# 2418
Delta R.T. 0.00 min
Lab File: VU025672.D
Acq: 27 Jul 2018 16:28

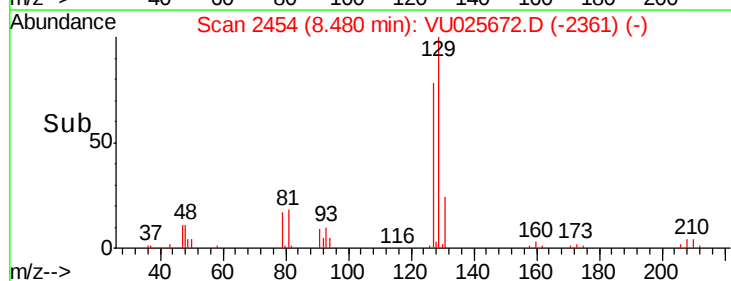
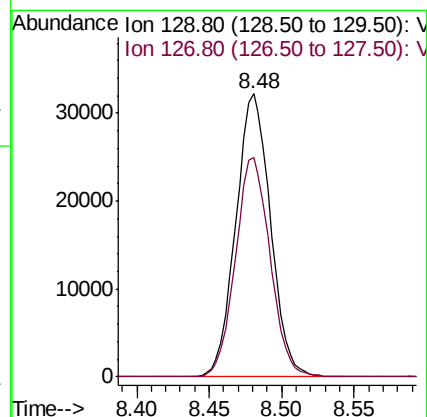
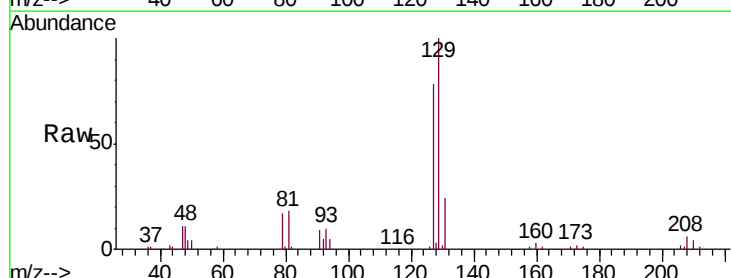
Instrument :
MSVOA_U
ClientSampleId :
VU0727WBS01

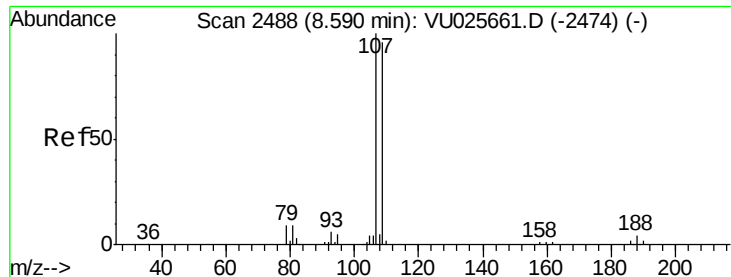
Tot Ion: 43 Resp: 282579
Ion Ratio Lower Upper
43 100
58 53.1 26.2 78.5



#60
Dibromochloromethane
Concen: 19.05 ug/l
RT: 8.48 min Scan# 2454
Delta R.T. 0.00 min
Lab File: VU025672.D
Acq: 27 Jul 2018 16:28

Tgt Ion: 129 Resp: 53452
Ion Ratio Lower Upper
129 100
127 77.4 38.6 115.8

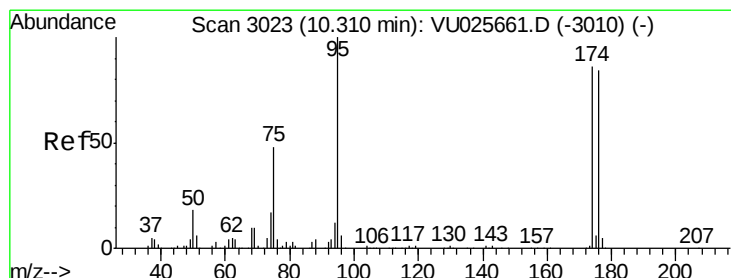
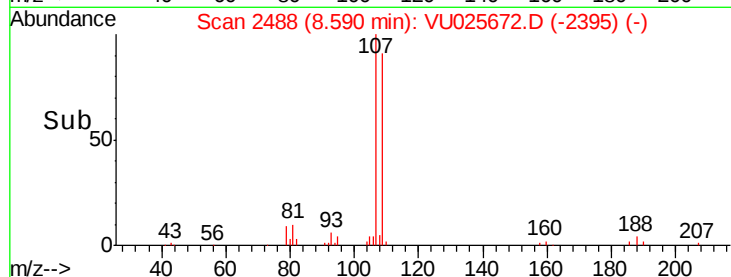
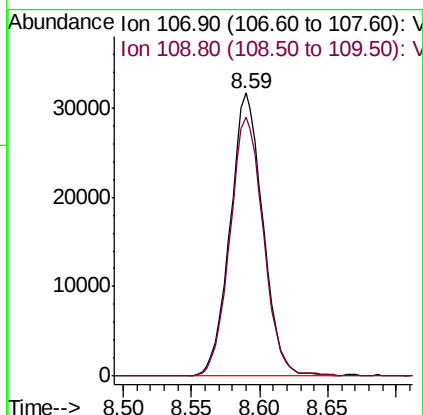
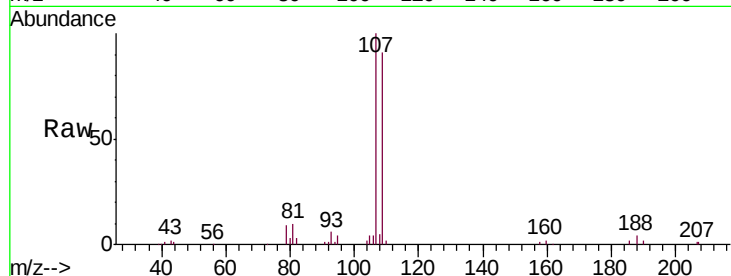




#61
 1,2-Dibromoethane
 Concen: 19.92 ug/l
 RT: 8.59 min Scan# 2488
 Delta R.T. 0.00 min
 Lab File: VU025672.D
 Acq: 27 Jul 2018 16:28

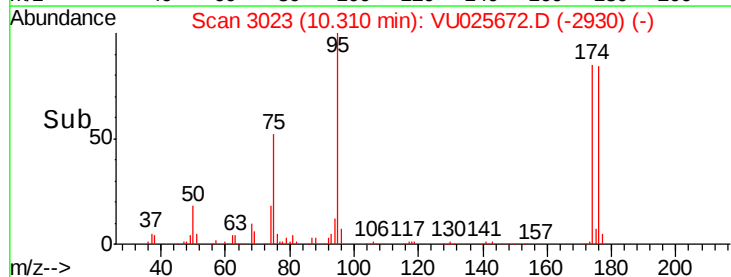
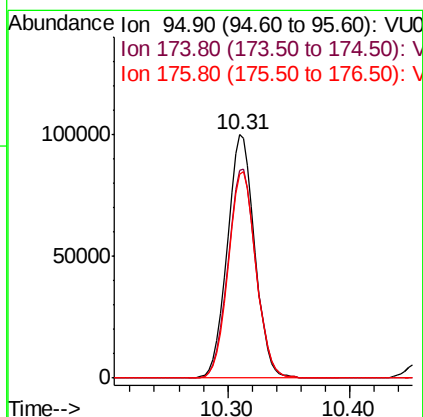
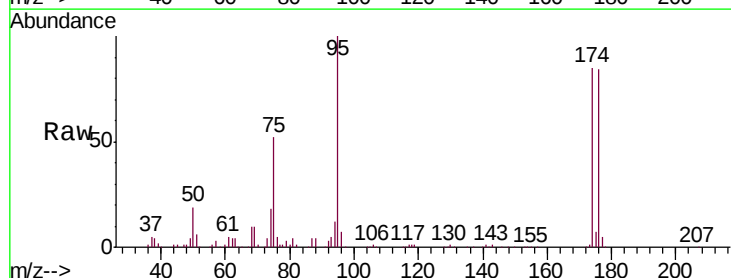
Instrument :
 MSVOA_U
 ClientSampleId :
 VU0727WBS01

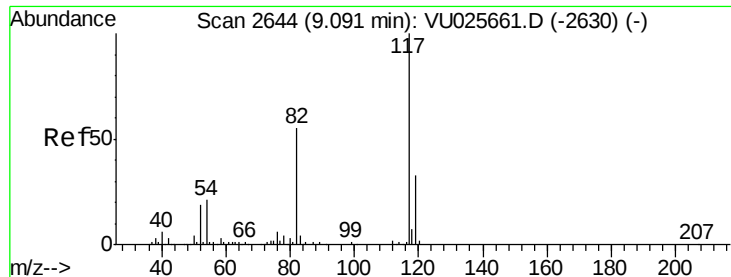
Tot Ion:107 Resp: 52713
 Ion Ratio Lower Upper
 107 100
 109 93.8 75.8 113.8



#62
 4-Bromofluorobenzene
 Concen: 49.42 ug/l
 RT: 10.31 min Scan# 3023
 Delta R.T. 0.00 min
 Lab File: VU025672.D
 Acq: 27 Jul 2018 16:28

Tgt Ion: 95 Resp: 157524
 Ion Ratio Lower Upper
 95 100
 174 87.2 0.0 172.2
 176 85.6 0.0 162.6

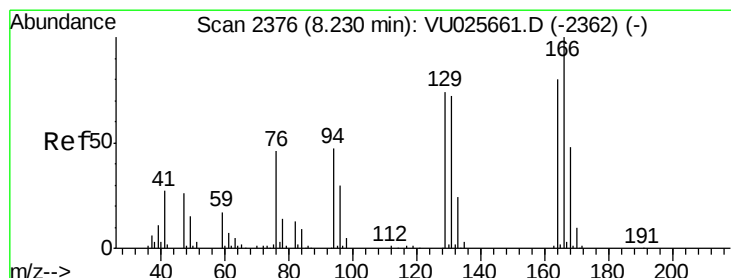
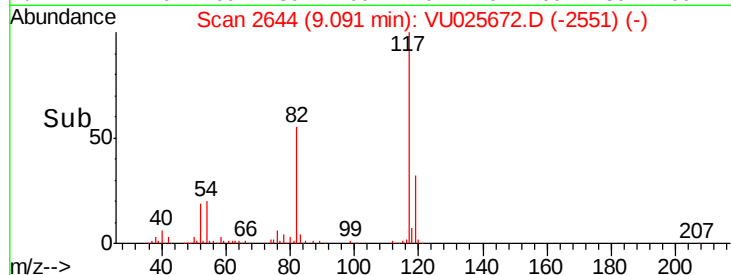
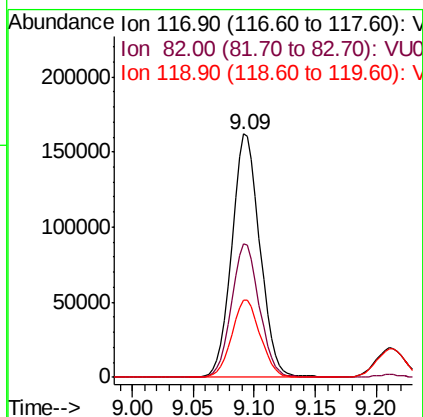
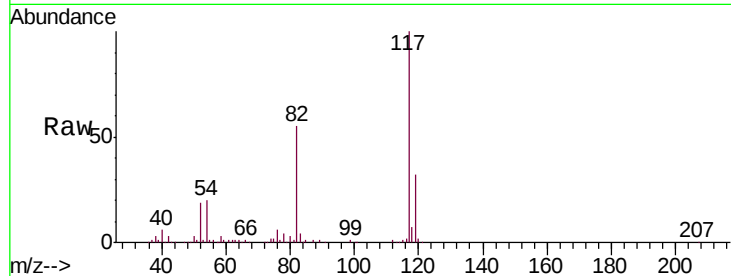




#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 9.09 min Scan# 2644
Delta R.T. 0.00 min
Lab File: VU025672.D
Acq: 27 Jul 2018 16:28

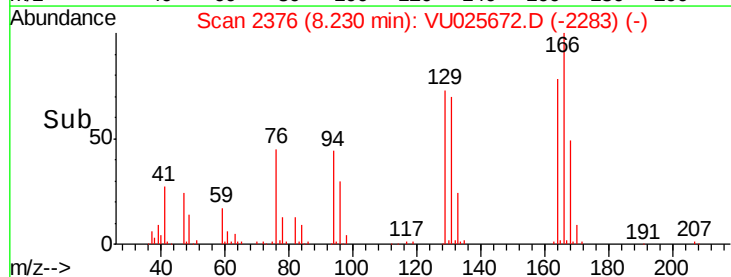
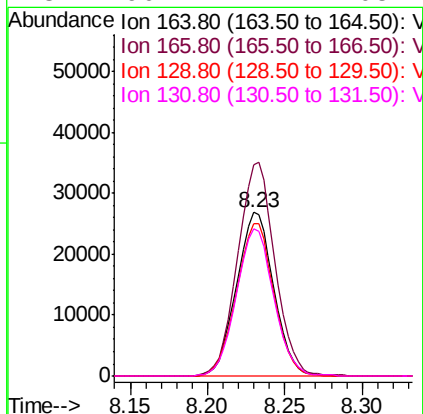
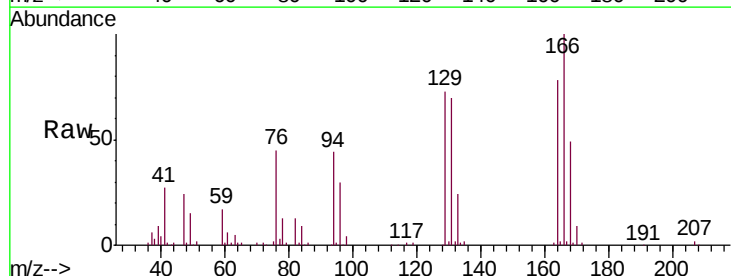
Instrument :
MSVOA_U
ClientSampleId :
VU0727WBS01

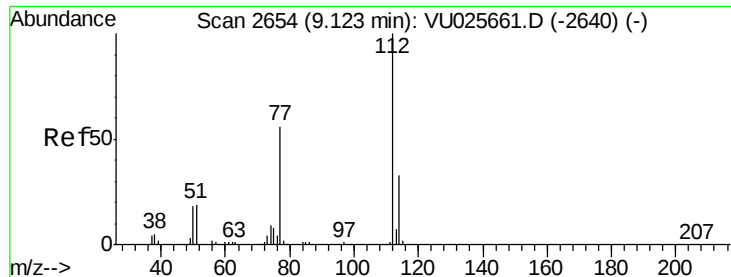
Tot Ion:117 Resp: 259832
Ion Ratio Lower Upper
117 100
82 54.8 46.0 69.0
119 31.9 26.0 39.0



#64
Tetrachloroethene
Concen: 19.60 ug/l
RT: 8.23 min Scan# 2376
Delta R.T. 0.00 min
Lab File: VU025672.D
Acq: 27 Jul 2018 16:28

Tgt Ion:164 Resp: 44833
Ion Ratio Lower Upper
164 100
166 129.0 101.1 151.7
129 93.5 73.0 109.6
131 90.4 72.1 108.1

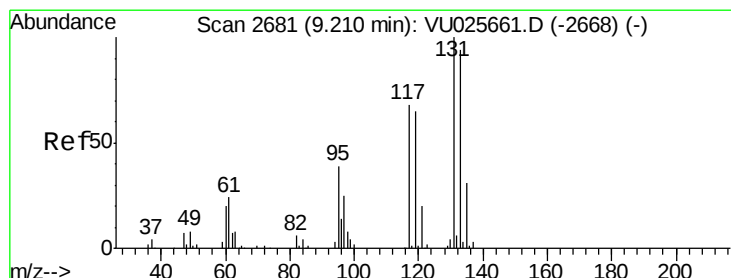
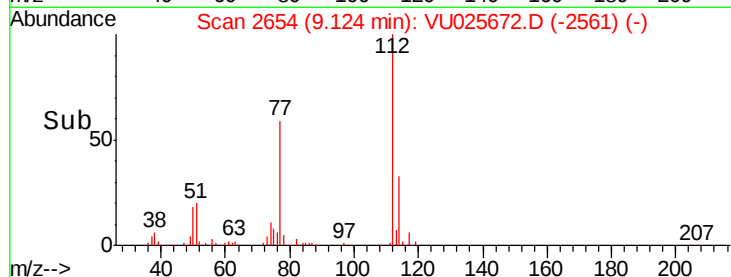
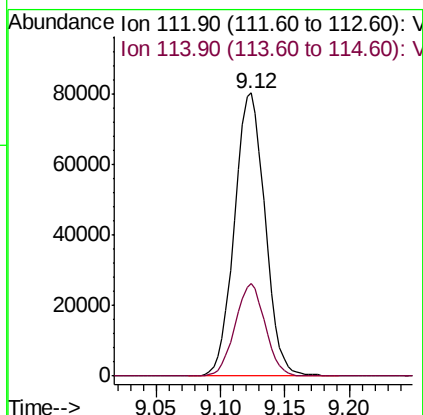
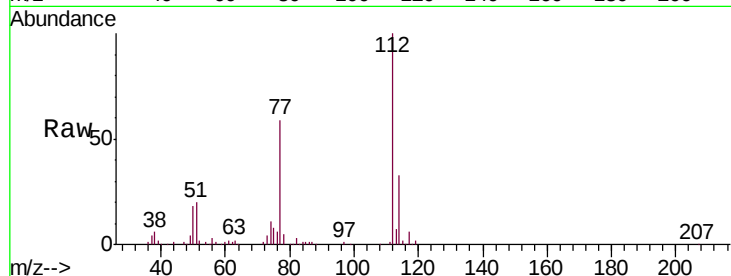




#65
Chlorobenzene
Concen: 19.79 ug/l
RT: 9.12 min Scan# 2654
Delta R.T. 0.00 min
Lab File: VU025672.D
Acq: 27 Jul 2018 16:28

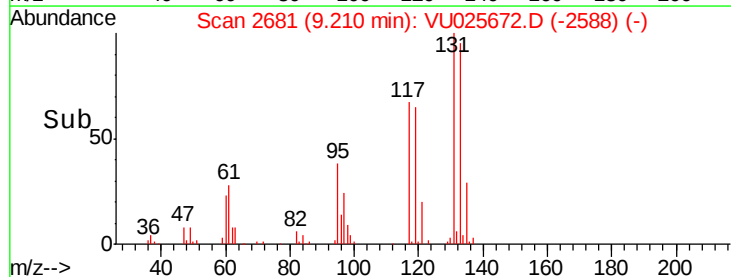
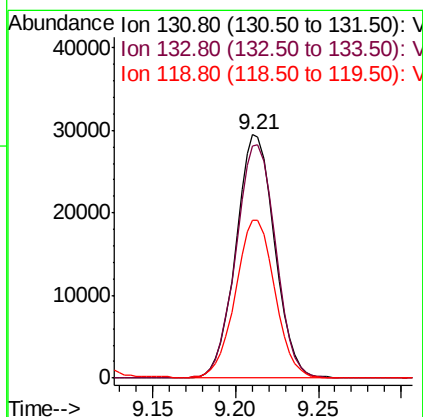
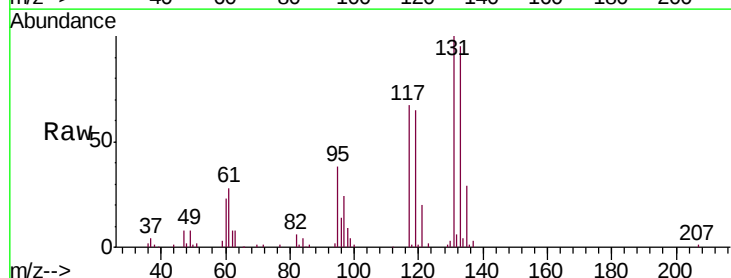
Instrument :
MSVOA_U
ClientSampleId :
VU0727WBS01

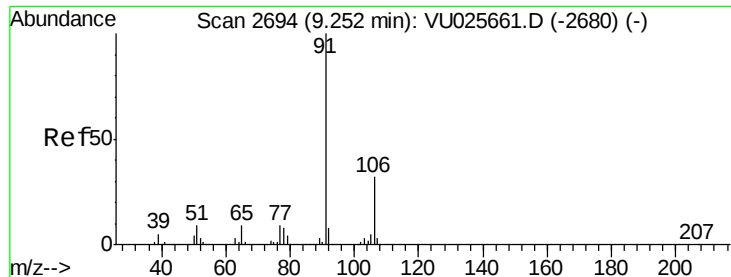
Tot Ion:112 Resp: 132567
Ion Ratio Lower Upper
112 100
114 32.9 25.8 38.8



#66
1,1,1,2-Tetrachloroethane
Concen: 19.79 ug/l
RT: 9.21 min Scan# 2681
Delta R.T. 0.00 min
Lab File: VU025672.D
Acq: 27 Jul 2018 16:28

Tgt Ion:131 Resp: 47963
Ion Ratio Lower Upper
131 100
133 98.2 47.8 143.3
119 66.0 31.6 95.0

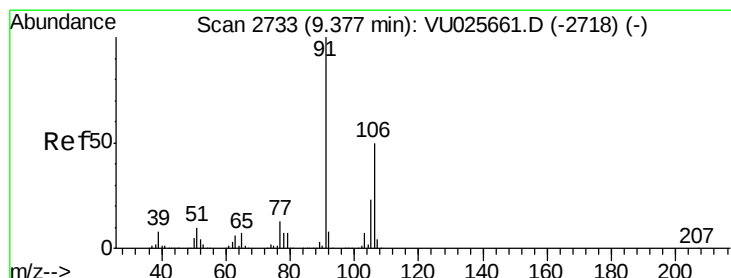
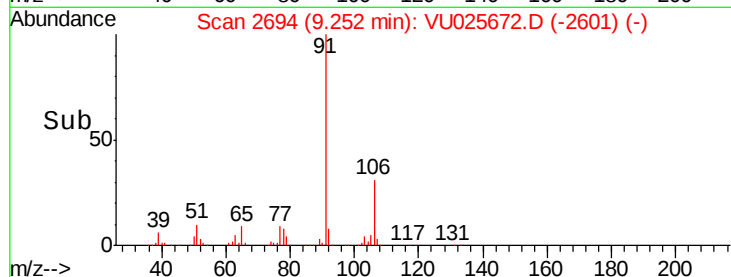
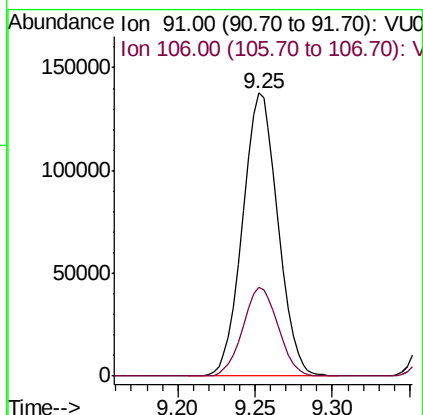
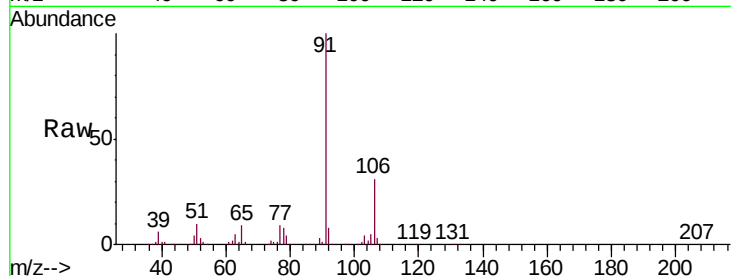




#67
Ethyl Benzene
Concen: 19.74 ug/l
RT: 9.25 min Scan# 2694
Delta R.T. 0.00 min
Lab File: VU025672.D
Acq: 27 Jul 2018 16:28

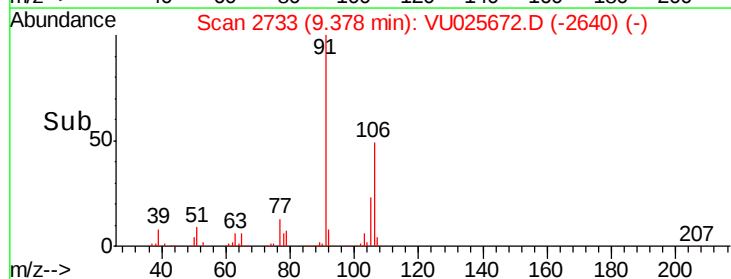
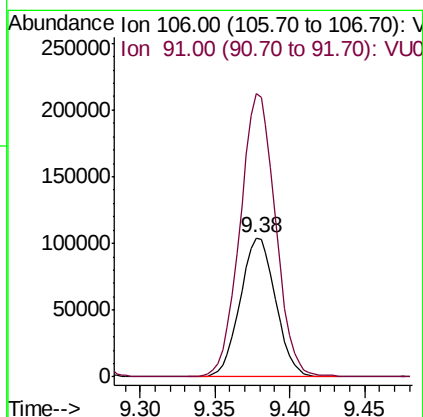
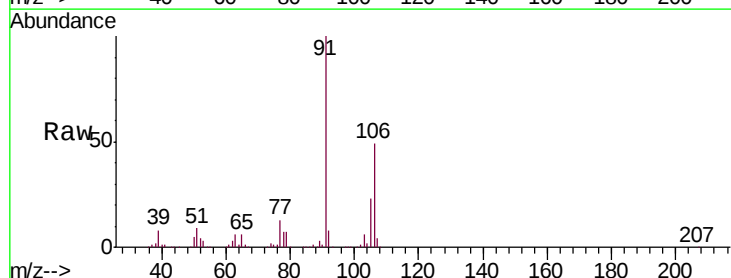
Instrument :
MSVOA_U
ClientSampleId :
VU0727WBS01

Tot Ion: 91 Resp: 219058
Ion Ratio Lower Upper
91 100
106 31.3 25.3 37.9



#68
m/p-Xylenes
Concen: 40.47 ug/l
RT: 9.38 min Scan# 2733
Delta R.T. 0.00 min
Lab File: VU025672.D
Acq: 27 Jul 2018 16:28

Tgt Ion: 106 Resp: 172392
Ion Ratio Lower Upper
106 100
91 203.4 162.3 243.5

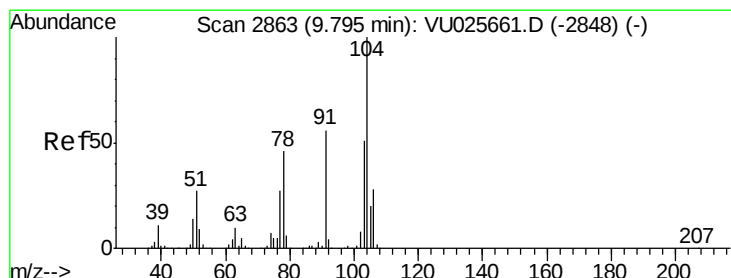
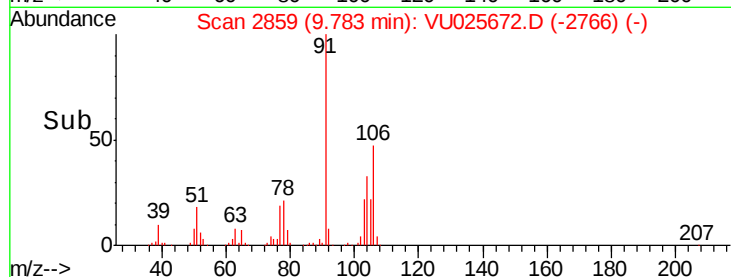
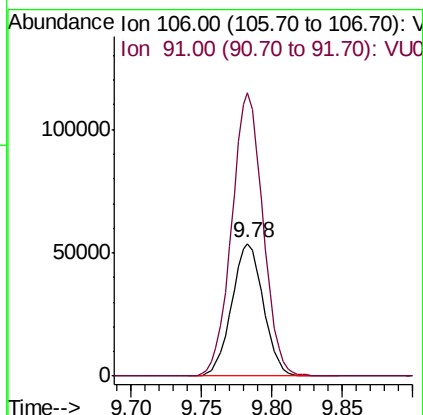
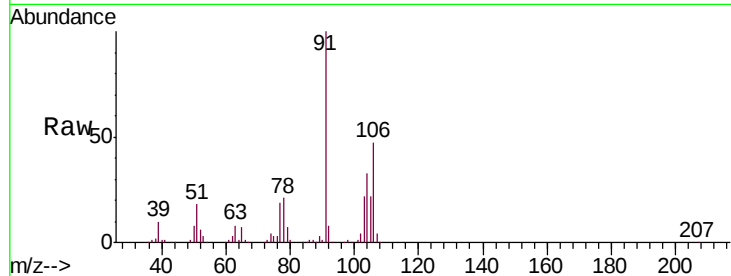




#69
o-Xylene
Concen: 20.27 ug/l
RT: 9.78 min Scan# 2859
Delta R.T. 0.00 min
Lab File: VU025672.D
Acq: 27 Jul 2018 16:28

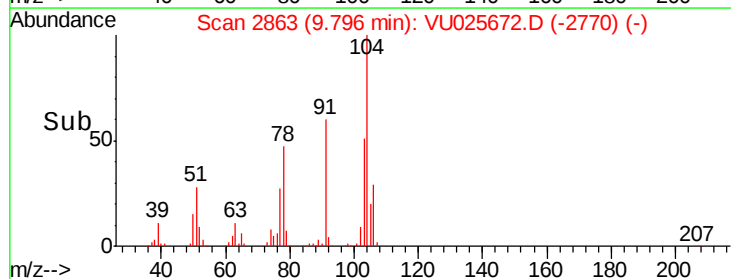
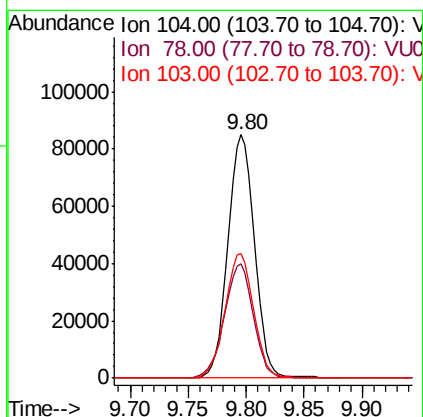
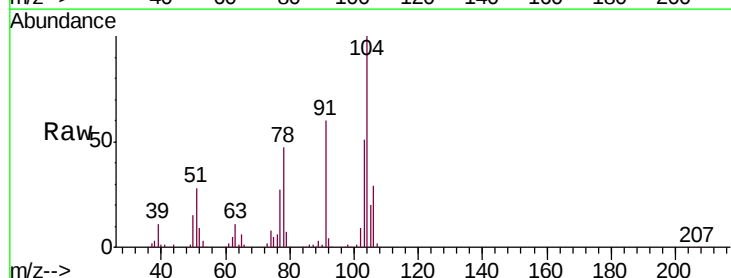
Instrument :
MSVOA_U
ClientSampleId :
VU0727WBS01

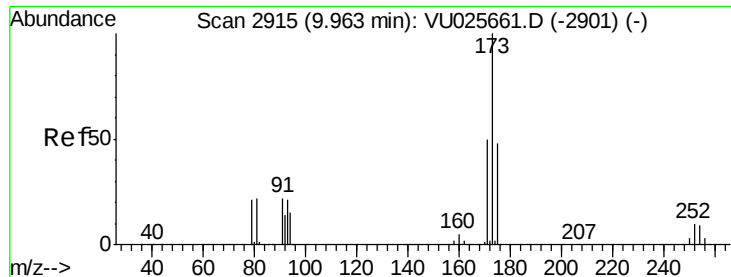
Tot Ion:106 Resp: 84379
Ion Ratio Lower Upper
106 100
91 210.9 105.3 315.8



#70
Styrene
Concen: 19.99 ug/l
RT: 9.80 min Scan# 2863
Delta R.T. 0.00 min
Lab File: VU025672.D
Acq: 27 Jul 2018 16:28

Tgt Ion:104 Resp: 134422
Ion Ratio Lower Upper
104 100
78 51.0 41.6 62.4
103 55.0 44.6 66.8





#71

Bromoform

Concen: 19.18 ug/l

RT: 9.96 min Scan# 2915

Delta R.T. 0.00 min

Lab File: VU025672.D

Acq: 27 Jul 2018 16:28

Instrument :
MSVOA_U
ClientSampleId :
VU0727WBS01

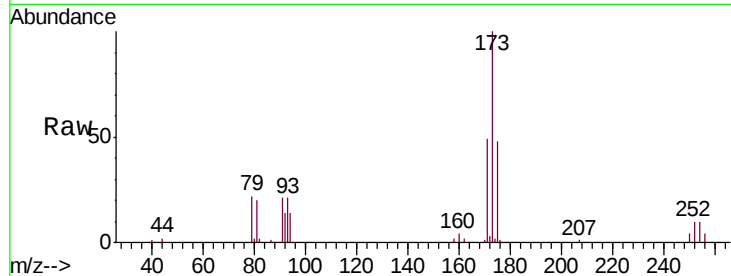
Tot Ion:173 Resp: 40310

Ion Ratio Lower Upper

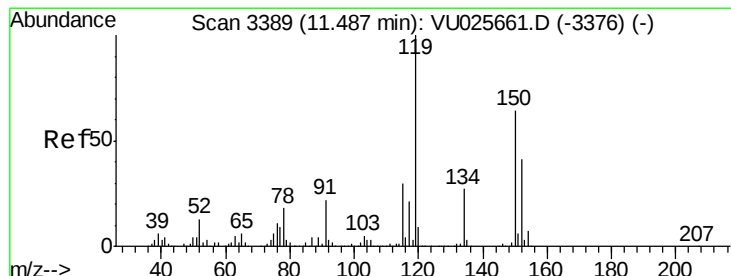
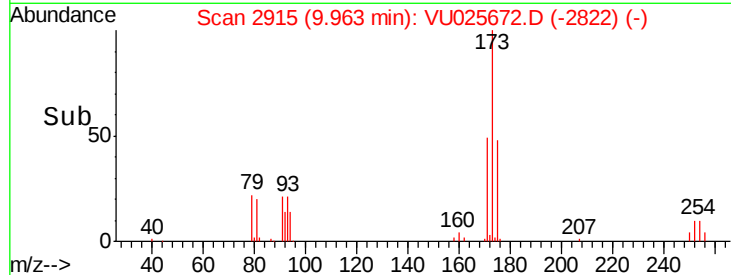
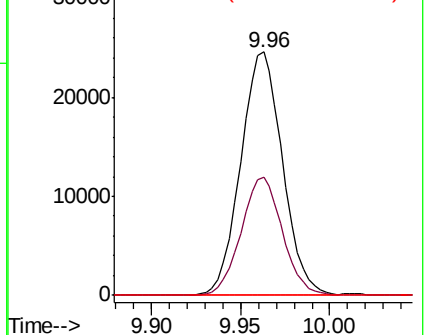
173 100

175 47.7 24.0 72.0

254 0.0 0.0 0.0



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



#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

RT: 11.49 min Scan# 3389

Delta R.T. 0.00 min

Lab File: VU025672.D

Acq: 27 Jul 2018 16:28

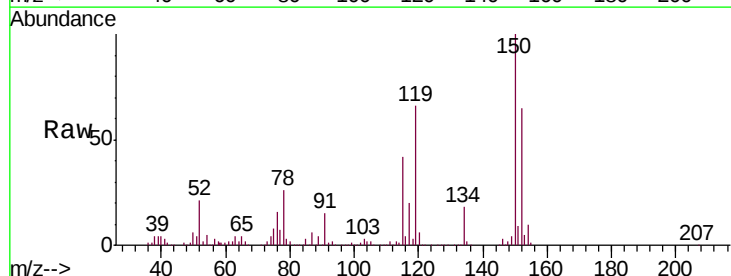
Tgt Ion:152 Resp: 160172

Ion Ratio Lower Upper

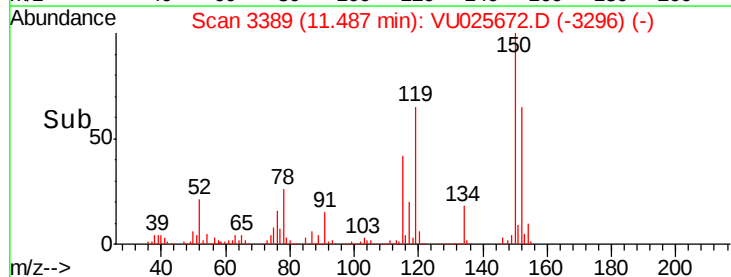
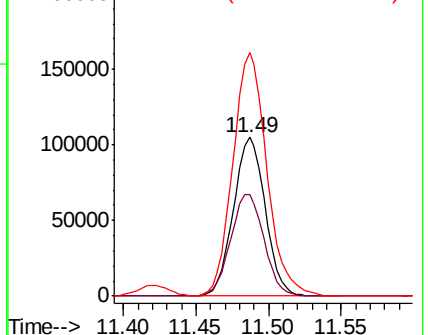
152 100

115 67.4 40.1 120.3

150 163.2 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: 20.53 ug/l

RT: 10.17 min Scan# 2979

Delta R.T. 0.00 min

Lab File: VU025672.D

Acq: 27 Jul 2018 16:28

Instrument :

MSVOA_U

ClientSampleId :

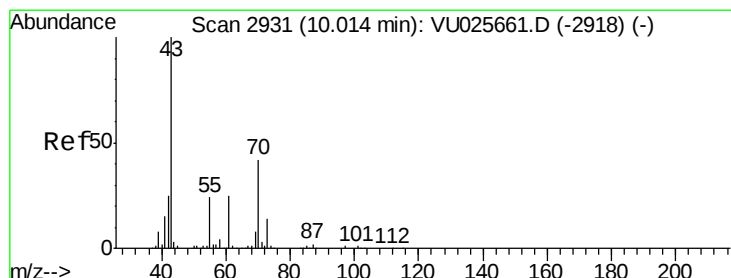
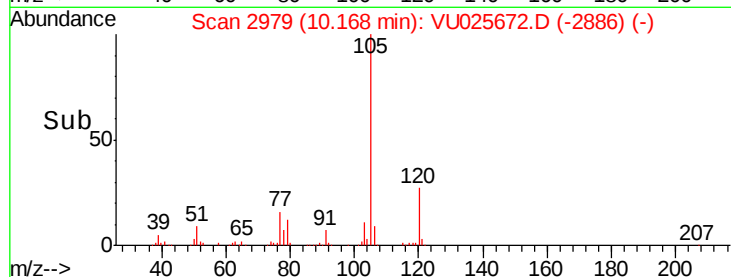
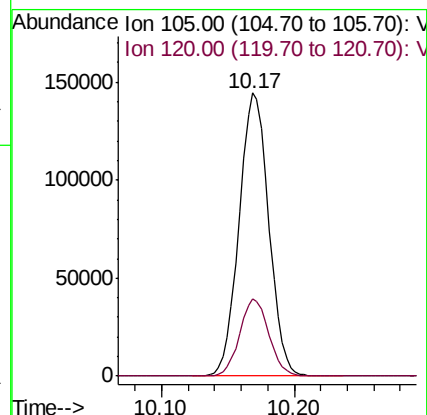
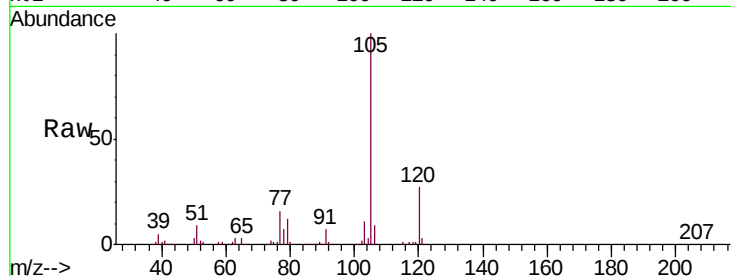
VU0727WBS01

Tot Ion:105 Resp: 224423

Ion Ratio Lower Upper

105 100

120 26.7 13.5 40.5



#74

N-ethyl acetate

Concen: 21.15 ug/l

RT: 10.01 min Scan# 2931

Delta R.T. 0.00 min

Lab File: VU025672.D

Acq: 27 Jul 2018 16:28

Tgt Ion: 43 Resp: 94391

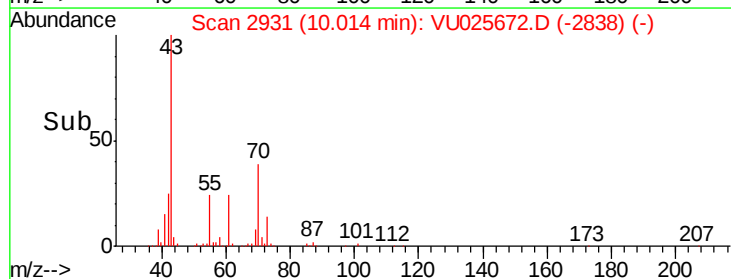
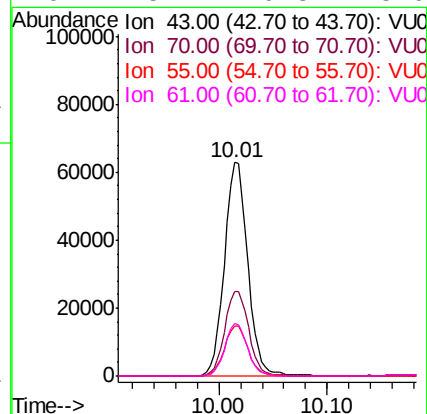
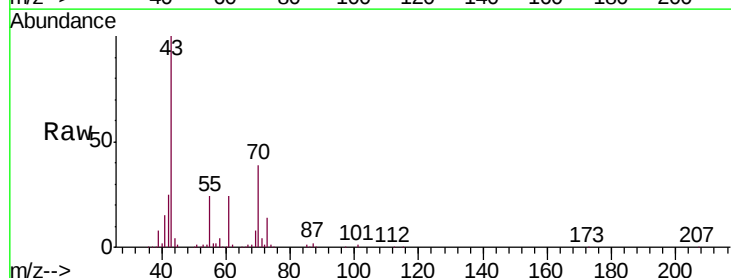
Ion Ratio Lower Upper

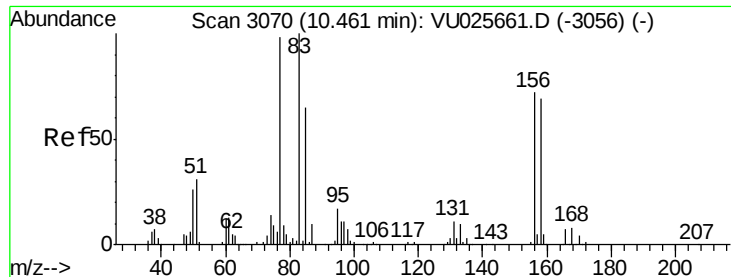
43 100

70 40.9 33.4 50.2

55 23.9 19.0 28.6

61 23.7 19.3 28.9





#75

1,1,2,2-Tetrachloroethane

Concen: 20.14 ug/l

RT: 10.46 min Scan# 3070

Delta R.T. 0.00 min

Lab File: VU025672.D

Acq: 27 Jul 2018 16:28

Instrument :

MSVOA_U

ClientSampleId :

VU0727WBS01

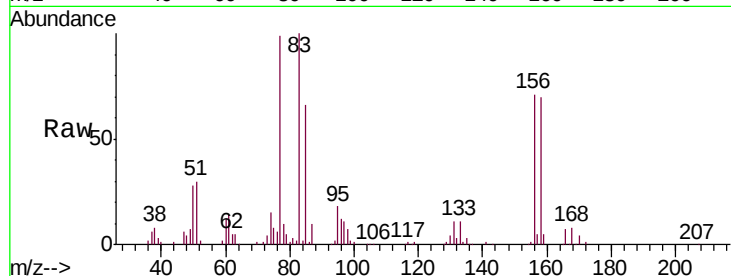
Tot Ion: 83 Resp: 76146

Ion Ratio Lower Upper

83 100

131 11.1 5.5 16.4

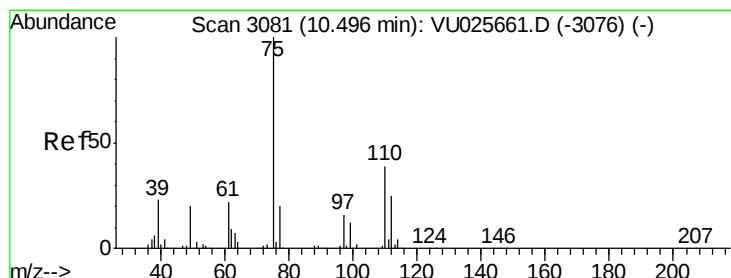
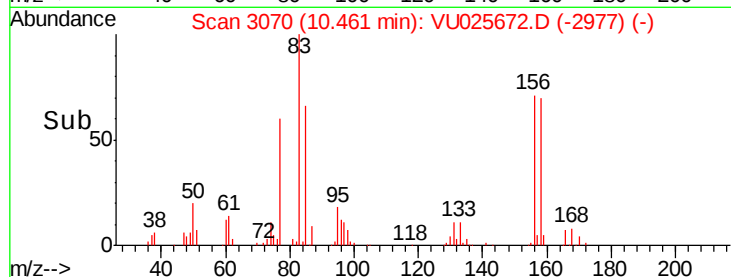
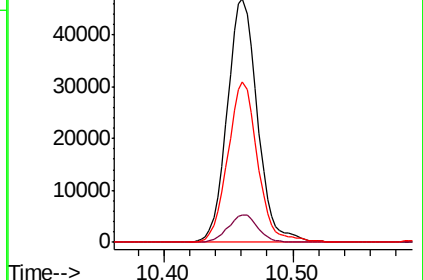
85 65.3 31.6 94.8



Abundance Ion 82.90 (82.60 to 83.60): VU0

Ion 130.80 (130.50 to 131.50): VU0

Ion 84.90 (84.60 to 85.60): VU0



#76

1,2,3-Trichloropropane

Concen: 24.96 ug/l

RT: 10.50 min Scan# 3081

Delta R.T. 0.00 min

Lab File: VU025672.D

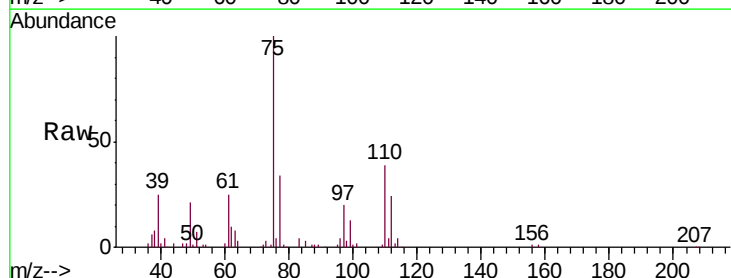
Acq: 27 Jul 2018 16:28

Tgt Ion: 75 Resp: 88074

Ion Ratio Lower Upper

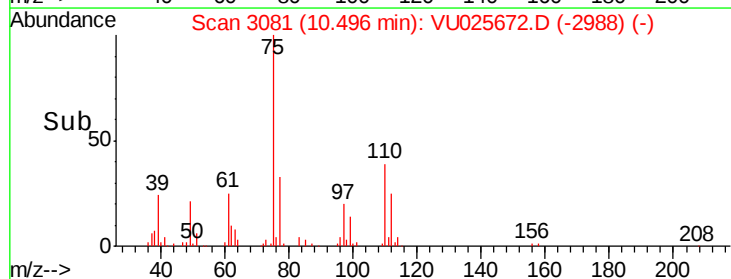
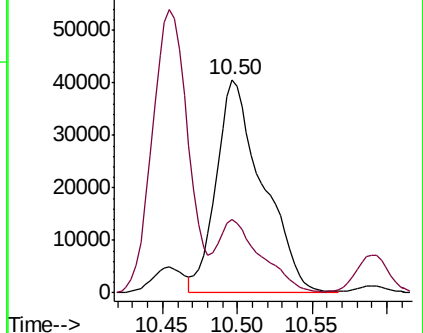
75 100

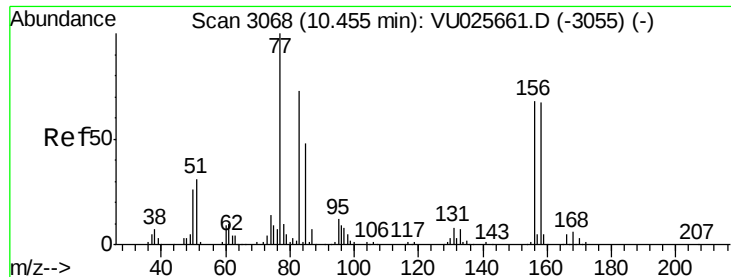
77 32.5 20.4 61.3



Abundance Ion 74.90 (74.60 to 75.60): VU0

Ion 77.00 (76.70 to 77.70): VU0





#77

Bromobenzene

Concen: 20.30 ug/l

RT: 10.45 min Scan# 3068

Delta R.T. 0.00 min

Lab File: VU025672.D

Acq: 27 Jul 2018 16:28

Instrument :

MSVOA_U

ClientSampleId :

VU0727WBS01

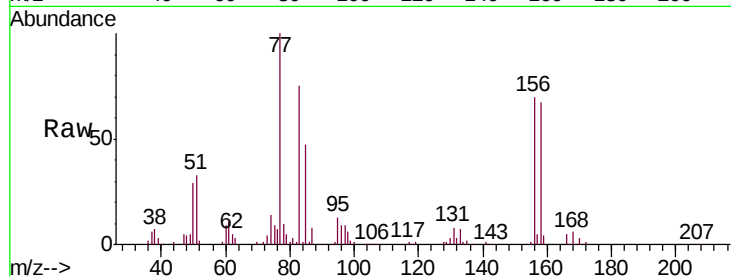
Tot Ion:156 Resp: 61223

Ion Ratio Lower Upper

156 100

77 145.6 73.8 221.4

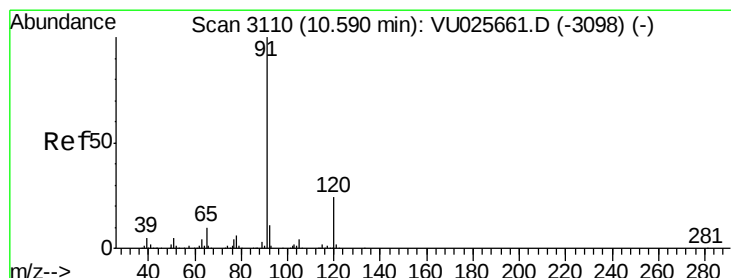
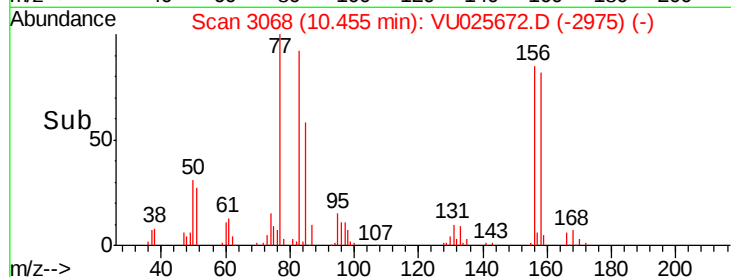
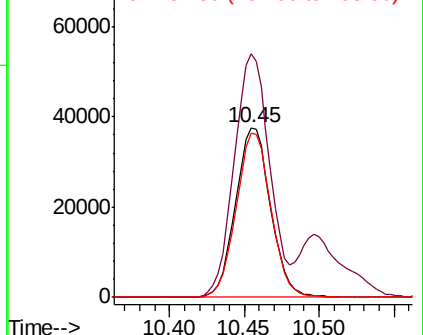
158 96.1 48.0 144.0



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: 20.81 ug/l

RT: 10.59 min Scan# 3110

Delta R.T. 0.00 min

Lab File: VU025672.D

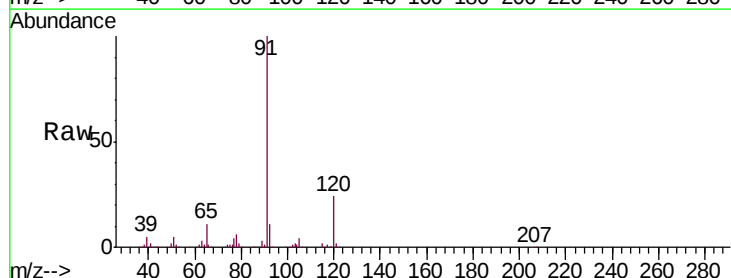
Acq: 27 Jul 2018 16:28

Tgt Ion: 91 Resp: 265576

Ion Ratio Lower Upper

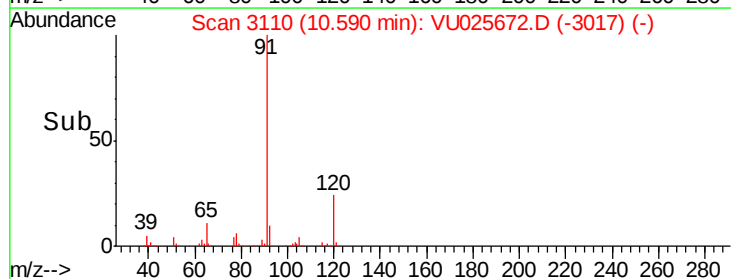
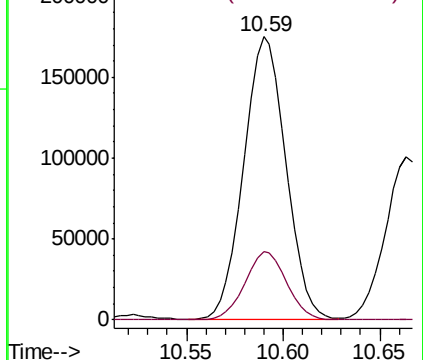
91 100

120 23.9 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: 20.81 ug/l

RT: 10.66 min Scan# 3133

Delta R.T. 0.00 min

Lab File: VU025672.D

Acq: 27 Jul 2018 16:28

Instrument :

MSVOA_U

ClientSampleId :

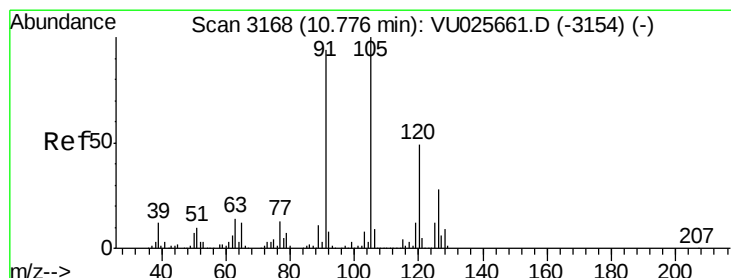
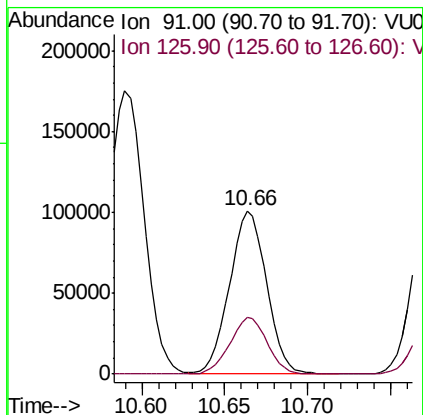
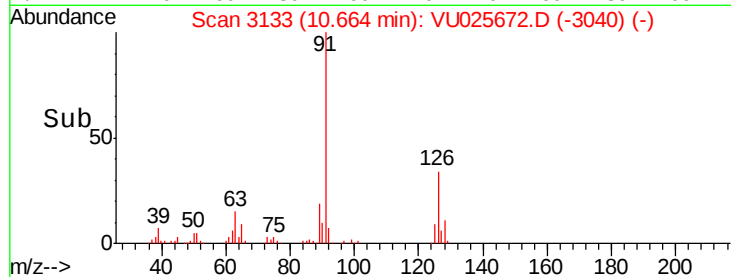
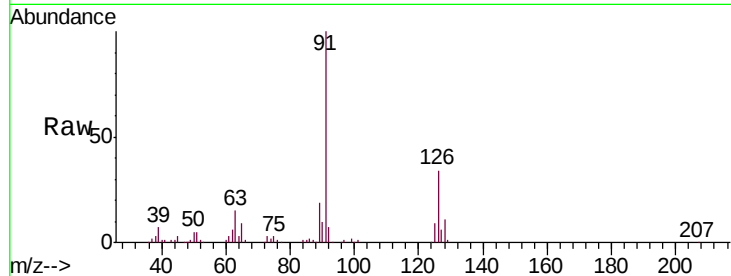
VU0727WBS01

Tot Ion: 91 Resp: 155539

Ion Ratio Lower Upper

91 100

126 35.1 17.5 52.6



#80

1,3,5-Trimethylbenzene

Concen: 20.91 ug/l

RT: 10.78 min Scan# 3168

Delta R.T. 0.00 min

Lab File: VU025672.D

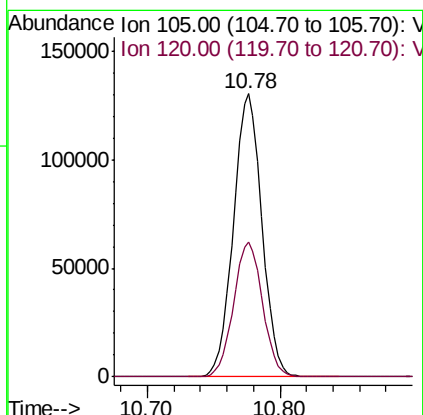
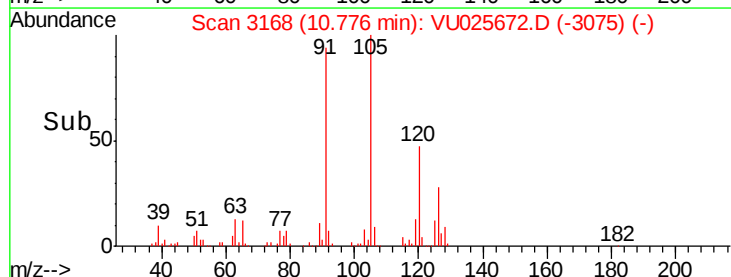
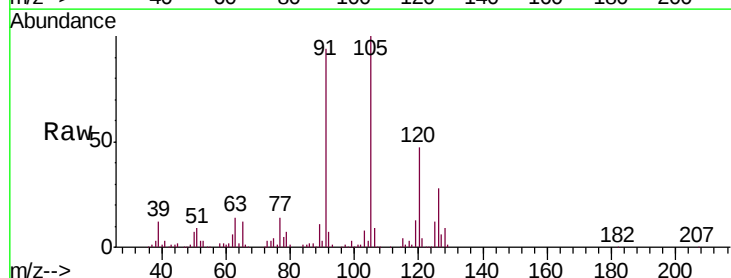
Acq: 27 Jul 2018 16:28

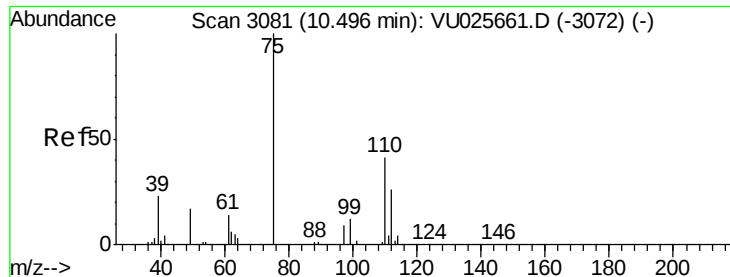
Tgt Ion: 105 Resp: 194176

Ion Ratio Lower Upper

105 100

120 48.3 24.1 72.2





#81

trans-1,4-Dichloro-2-butene

Concen: 62.58 ug/l

RT: 10.50 min Scan# 3081

Delta R.T. 0.00 min

Lab File: VU025672.D

Acq: 27 Jul 2018 16:28

Instrument :

MSVOA_U

ClientSampleId :

VU0727WBS01

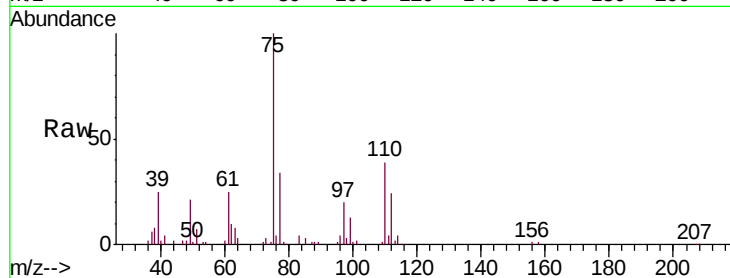
Tot Ion: 75 Resp: 88074

Ion Ratio Lower Upper

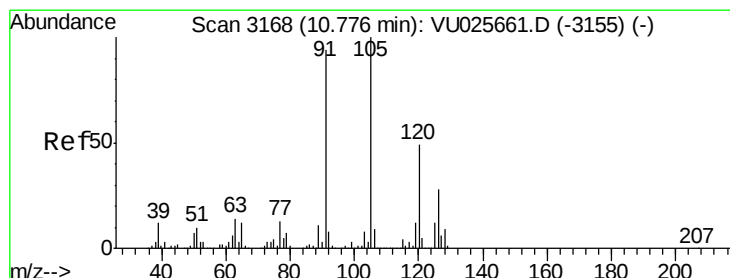
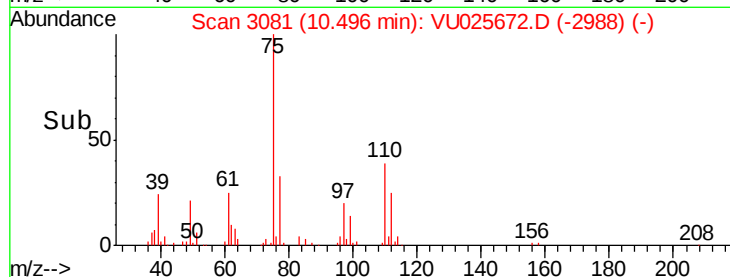
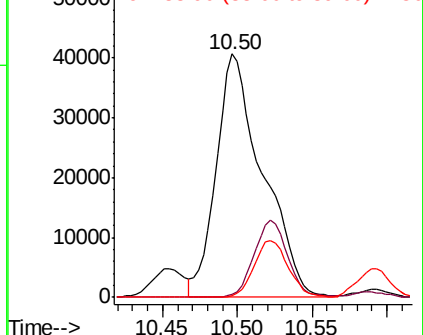
75 100

53 0.0 0.0 0.0

89 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VU0
Ion 53.00 (52.70 to 53.70): VU0
Ion 88.90 (88.60 to 89.60): VU0



#82

4-Chlorotoluene

Concen: 21.17 ug/l

RT: 10.78 min Scan# 3168

Delta R.T. 0.00 min

Lab File: VU025672.D

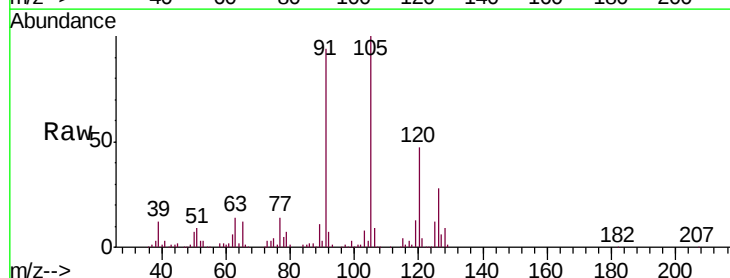
Acq: 27 Jul 2018 16:28

Tgt Ion: 91 Resp: 186458

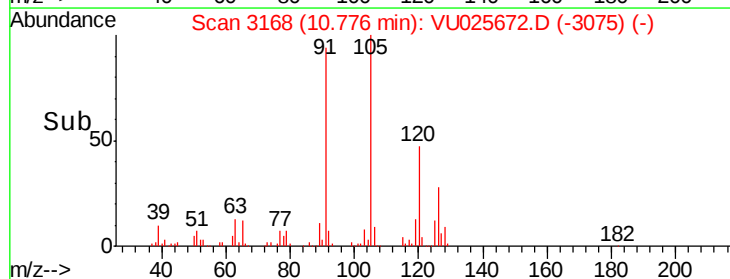
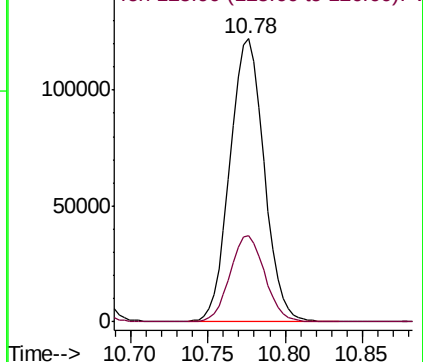
Ion Ratio Lower Upper

91 100

126 31.1 15.3 45.9



Abundance Ion 91.00 (90.70 to 91.70): VU0
Ion 125.90 (125.60 to 126.60): V





#83

tert-Butylbenzene

Concen: 20.43 ug/l

RT: 11.10 min Scan# 3270

Delta R.T. 0.00 min

Lab File: VU025672.D

Acq: 27 Jul 2018 16:28

Instrument :

MSVOA_U

ClientSampleId :

VU0727WBS01

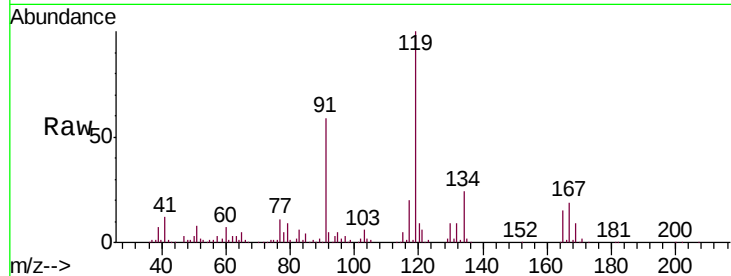
Tot Ion:119 Resp: 188494

Ion Ratio Lower Upper

119 100

91 58.4 29.7 89.1

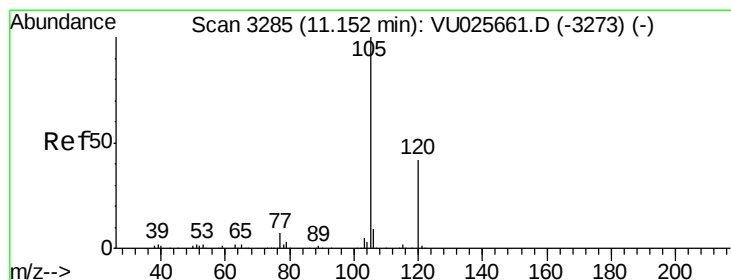
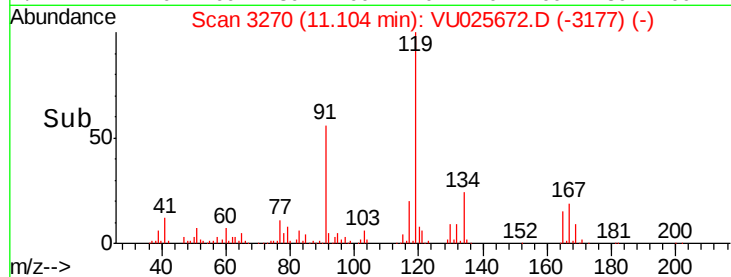
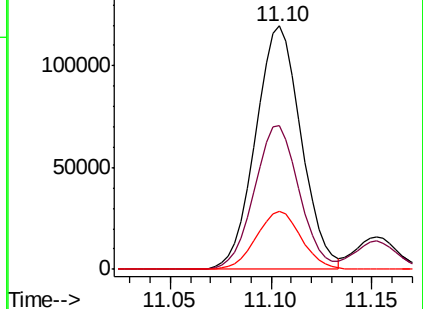
134 23.4 11.5 34.5



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 91.00 (90.70 to 91.70): VU0

Ion 134.00 (133.70 to 134.70): V



#84

1,2,4-Trimethylbenzene

Concen: 21.09 ug/l

RT: 11.15 min Scan# 3285

Delta R.T. 0.00 min

Lab File: VU025672.D

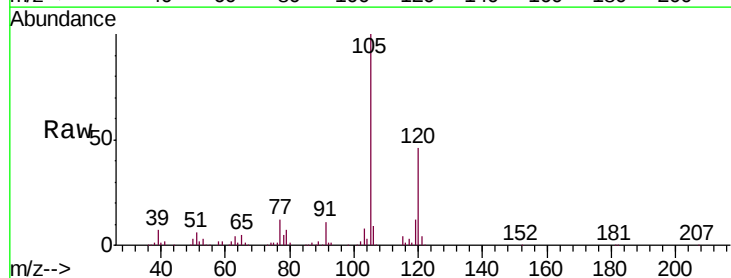
Acq: 27 Jul 2018 16:28

Tgt Ion:105 Resp: 198457

Ion Ratio Lower Upper

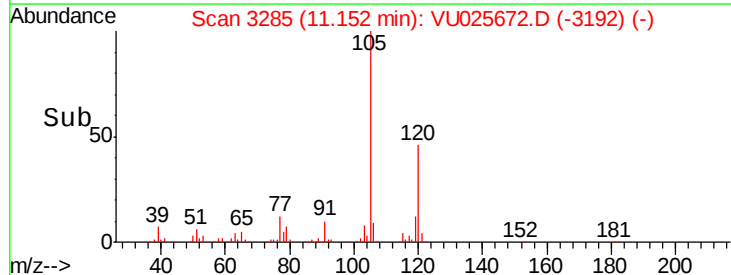
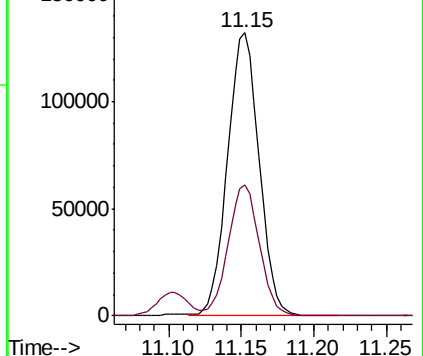
105 100

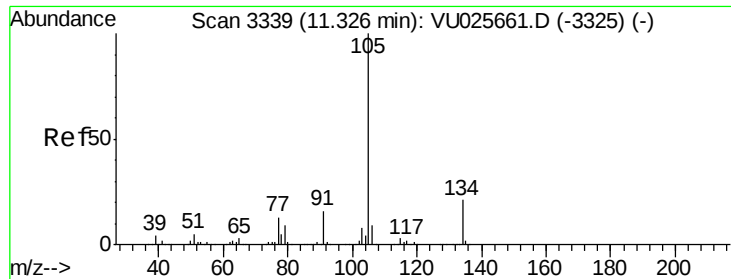
120 45.7 22.3 66.8



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

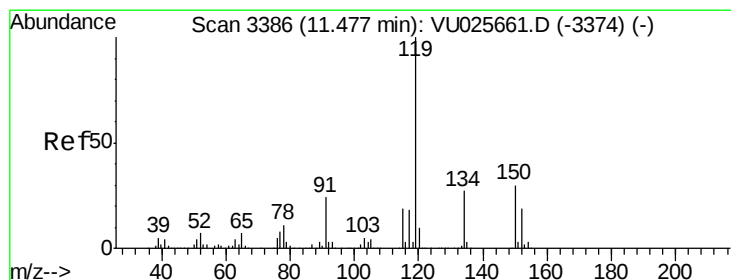
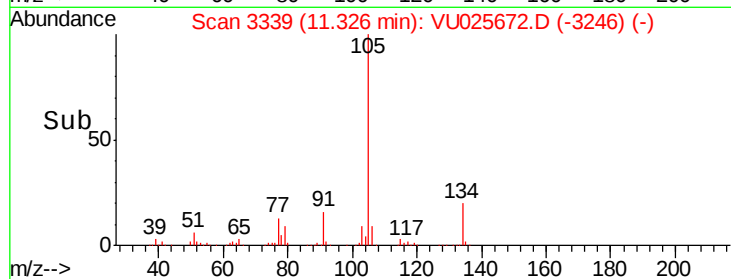
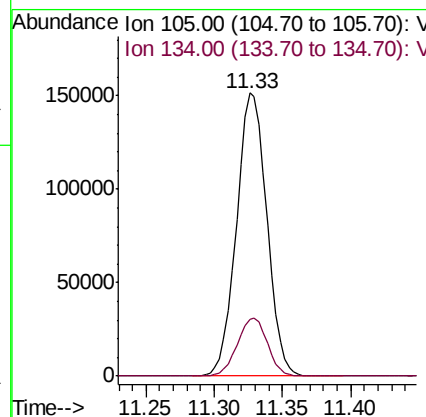
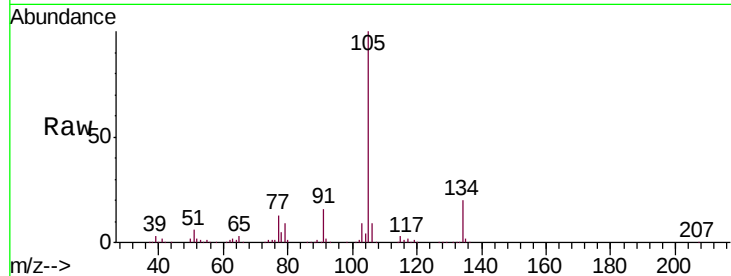




#85
 sec-Butylbenzene
 Concen: 20.76 ug/l
 RT: 11.33 min Scan# 3339
 Delta R.T. 0.00 min
 Lab File: VU025672.D
 Acq: 27 Jul 2018 16:28

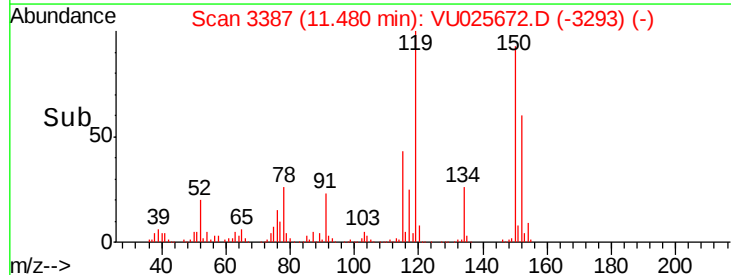
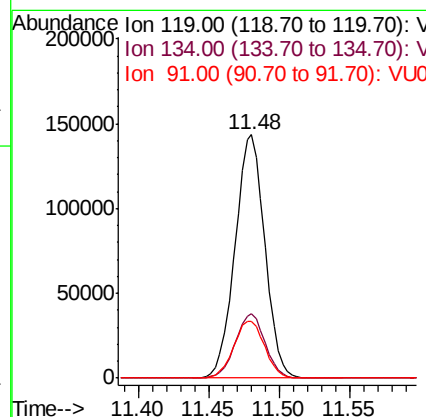
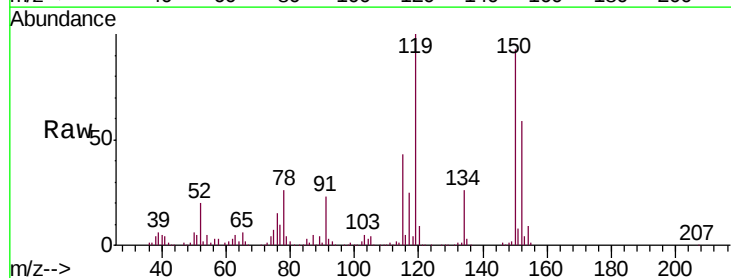
Instrument :
 MSVOA_U
 ClientSampleId :
 VU0727WBS01

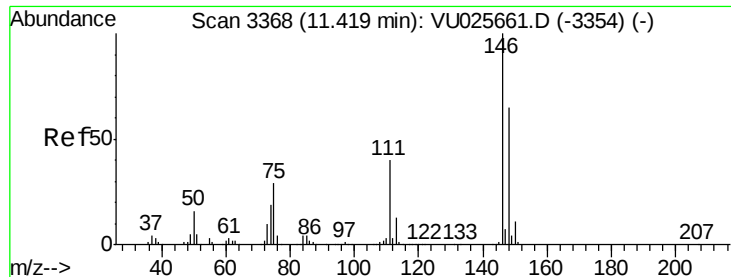
Tot Ion:105 Resp: 233845
 Ion Ratio Lower Upper
 105 100
 134 20.3 10.3 30.8



#86
 p-Isopropyltoluene
 Concen: 20.98 ug/l
 RT: 11.48 min Scan# 3387
 Delta R.T. 0.00 min
 Lab File: VU025672.D
 Acq: 27 Jul 2018 16:28

Tgt Ion:119 Resp: 211618
 Ion Ratio Lower Upper
 119 100
 134 26.4 13.2 39.5
 91 24.5 12.0 36.1





#87

1,3-Dichlorobenzene

Concen: 20.15 ug/l

RT: 11.42 min Scan# 3368

Delta R.T. 0.00 min

Lab File: VU025672.D

Acq: 27 Jul 2018 16:28

Instrument :

MSVOA_U

ClientSampleId :

VU0727WBS01

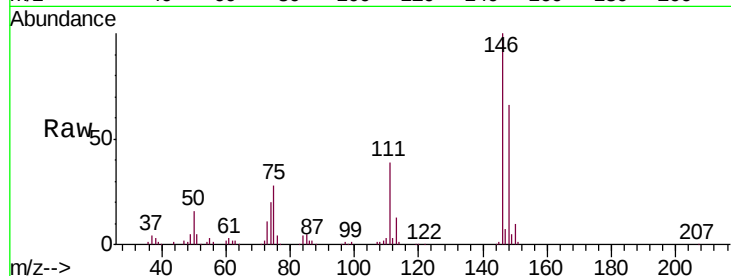
Tot Ion:146 Resp: 112782

Ion Ratio Lower Upper

146 100

111 38.6 19.7 59.1

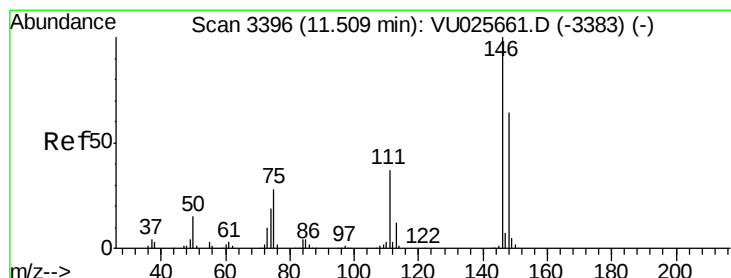
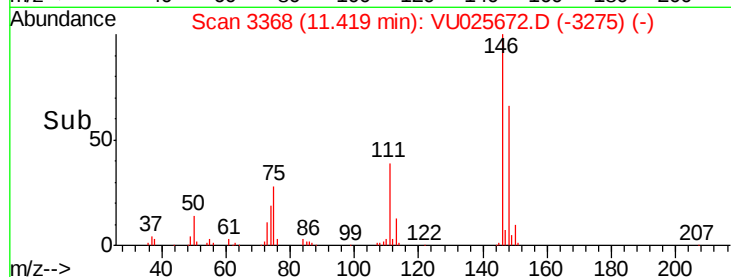
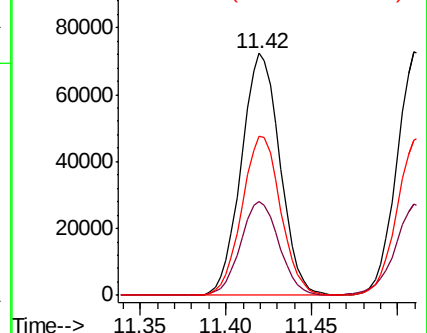
148 66.1 32.1 96.3



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: 19.74 ug/l

RT: 11.51 min Scan# 3396

Delta R.T. 0.00 min

Lab File: VU025672.D

Acq: 27 Jul 2018 16:28

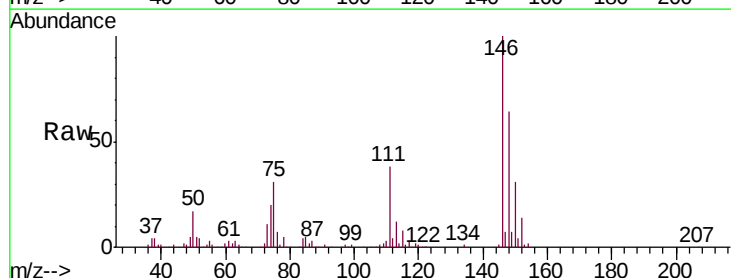
Tgt Ion:146 Resp: 115184

Ion Ratio Lower Upper

146 100

111 38.4 19.4 58.1

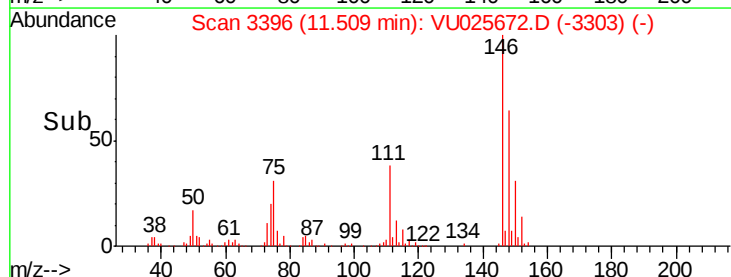
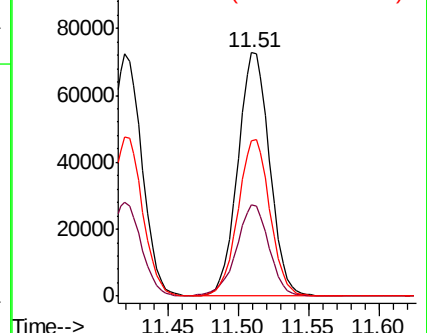
148 64.7 31.7 95.1

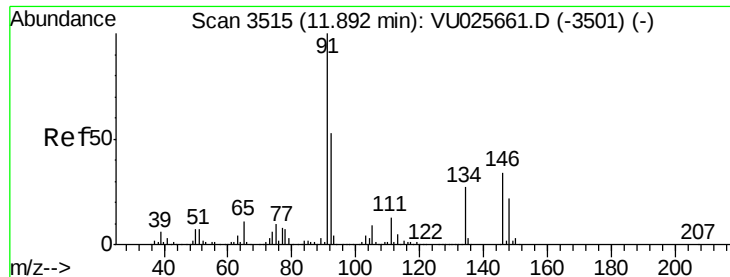


Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V

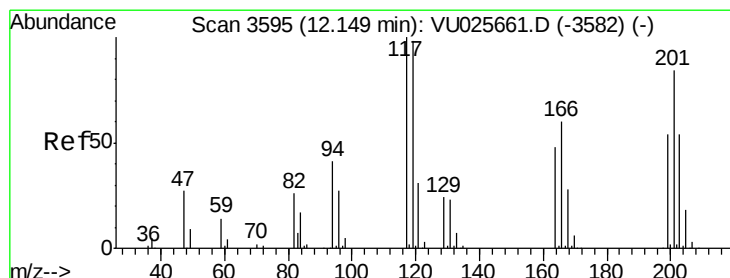
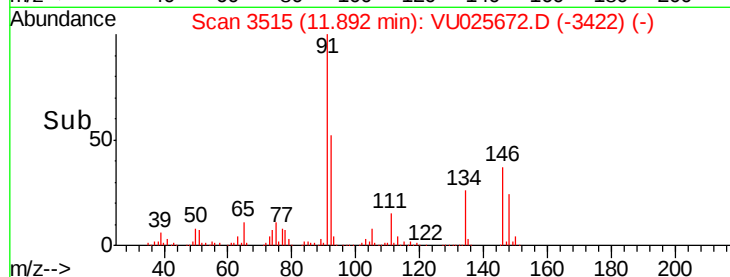
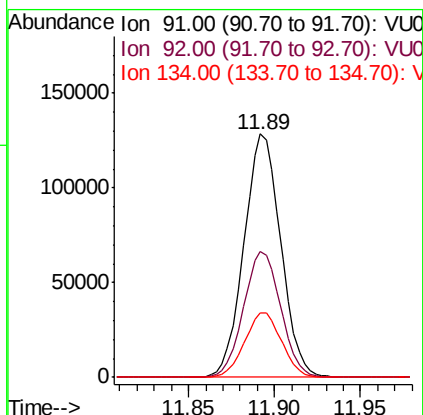
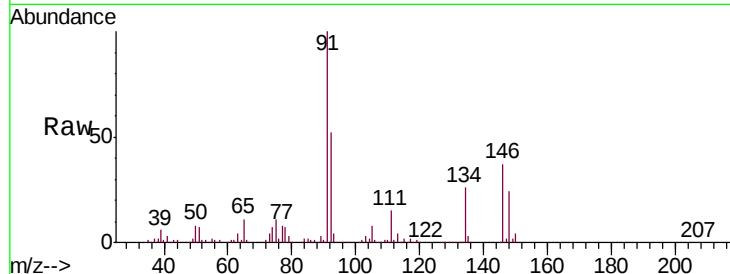




#89
n-Butylbenzene
Concen: 20.51 ug/l
RT: 11.89 min Scan# 3515
Delta R.T. 0.00 min
Lab File: VU025672.D
Acq: 27 Jul 2018 16:28

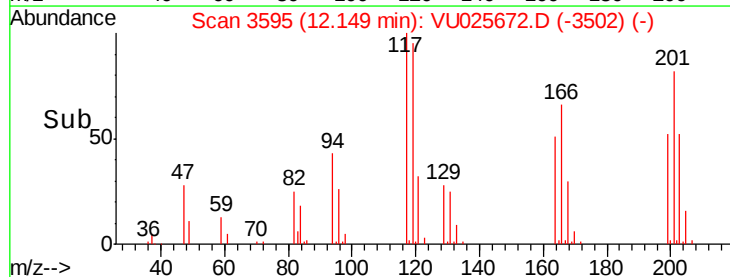
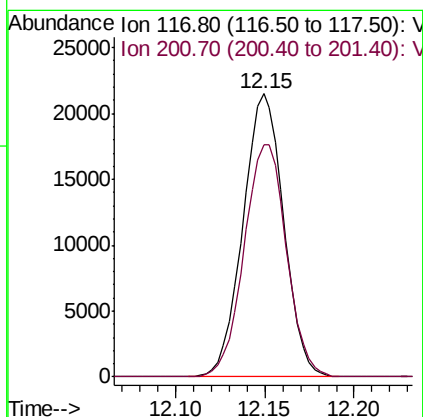
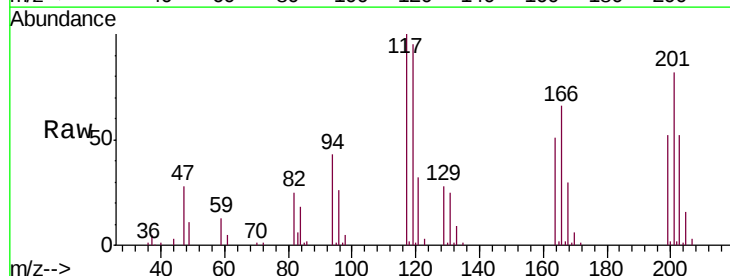
Instrument :
MSVOA_U
ClientSampleId :
VU0727WBS01

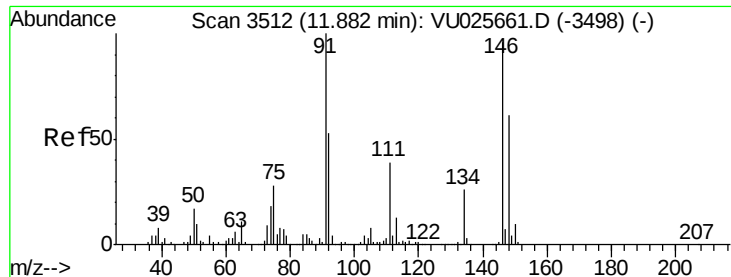
Tot Ion: 91 Resp: 190847
Ion Ratio Lower Upper
91 100
92 52.1 26.5 79.5
134 26.6 13.6 40.7



#90
Hexachloroethane
Concen: 19.07 ug/l
RT: 12.15 min Scan# 3595
Delta R.T. 0.00 min
Lab File: VU025672.D
Acq: 27 Jul 2018 16:28

Tgt Ion: 117 Resp: 34200
Ion Ratio Lower Upper
117 100
201 85.3 42.5 127.6

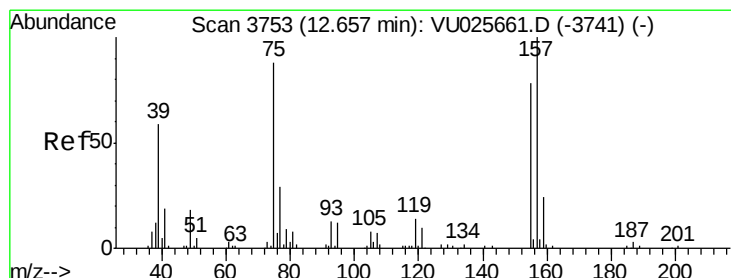
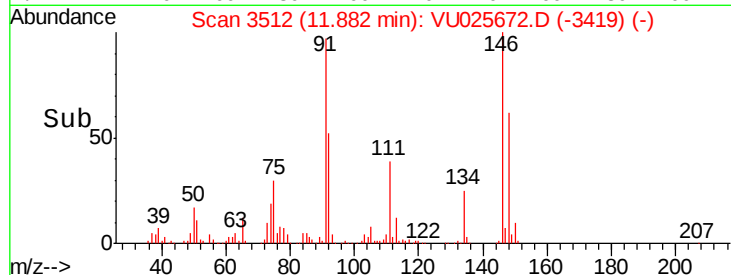
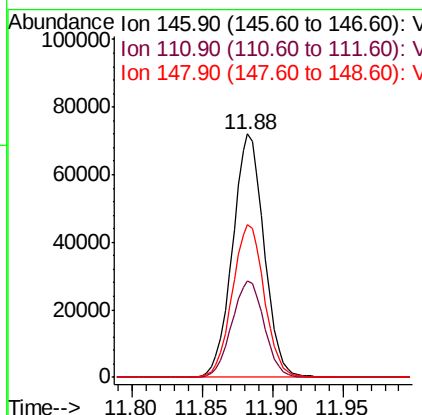
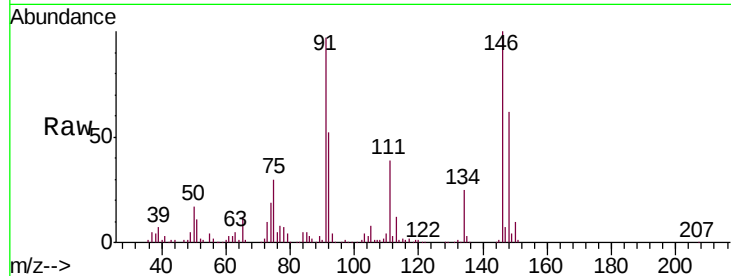




#91
 1,2-Dichlorobenzene
 Concen: 20.50 ug/l
 RT: 11.88 min Scan# 3512
 Delta R.T. 0.00 min
 Lab File: VU025672.D
 Acq: 27 Jul 2018 16:28

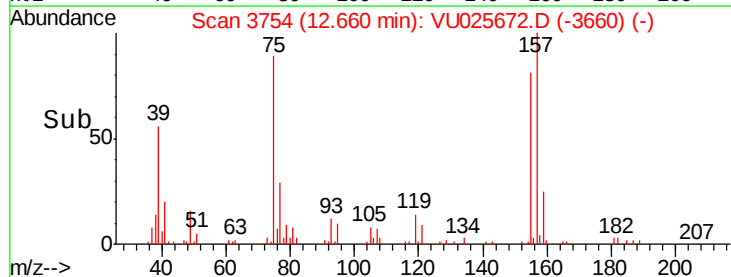
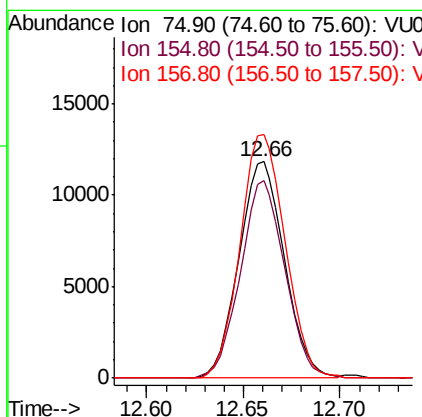
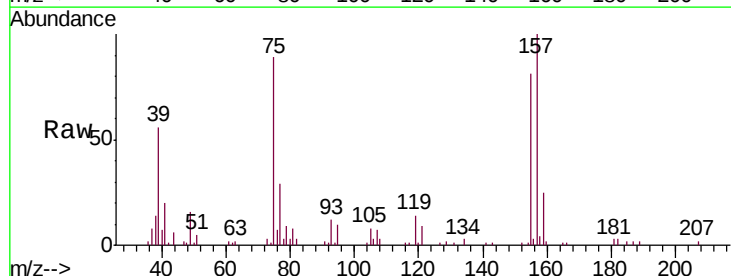
Instrument :
 MSVOA_U
 ClientSampleId :
 VU0727WBS01

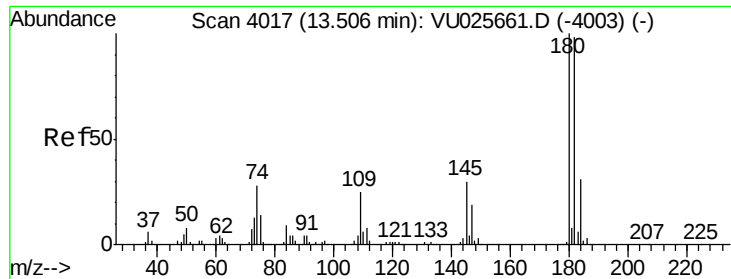
Tot Ion:146 Resp: 112484
 Ion Ratio Lower Upper
 146 100
 111 40.7 20.6 61.8
 148 63.7 31.5 94.5



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 21.65 ug/l
 RT: 12.66 min Scan# 3754
 Delta R.T. 0.00 min
 Lab File: VU025672.D
 Acq: 27 Jul 2018 16:28

Tgt Ion: 75 Resp: 19402
 Ion Ratio Lower Upper
 75 100
 155 88.9 44.5 133.3
 157 111.3 57.0 170.8

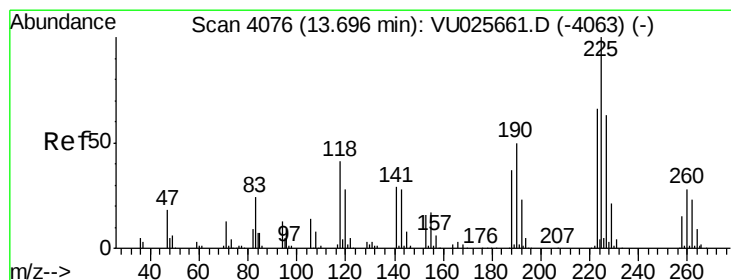
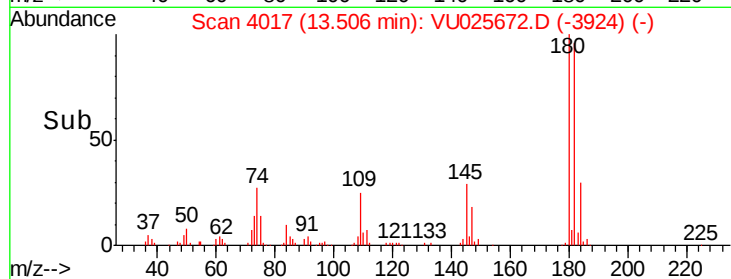
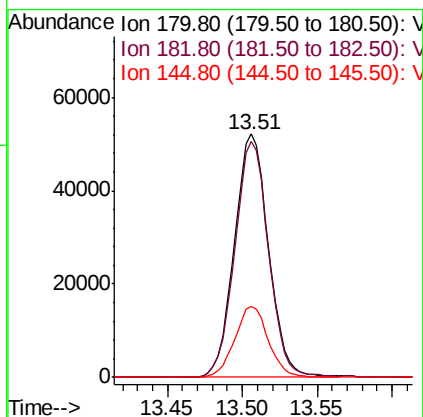
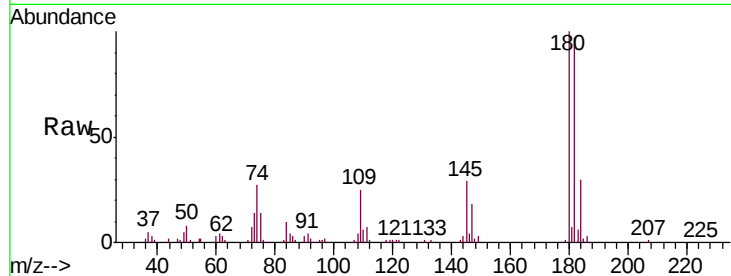




#93
 1,2,4-Trichlorobenzene
 Concen: 22.33 ug/l
 RT: 13.51 min Scan# 4017
 Delta R.T. 0.00 min
 Lab File: VU025672.D
 Acq: 27 Jul 2018 16:28

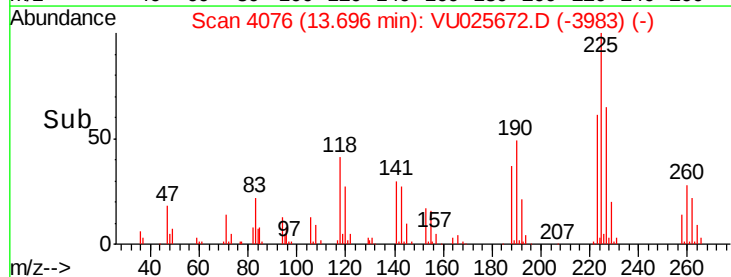
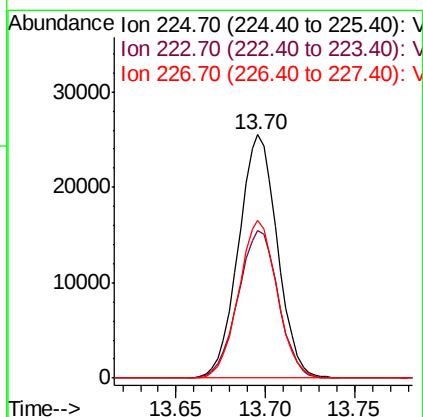
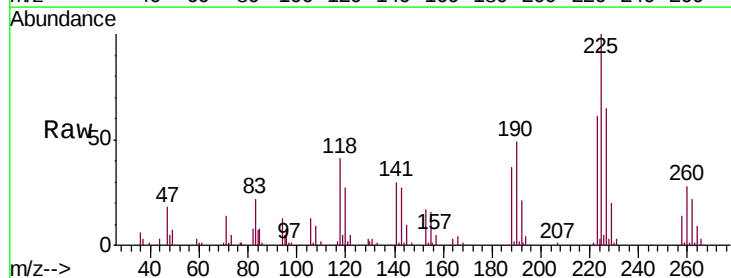
Instrument :
 MSVOA_U
 ClientSampleId :
 VU0727WBS01

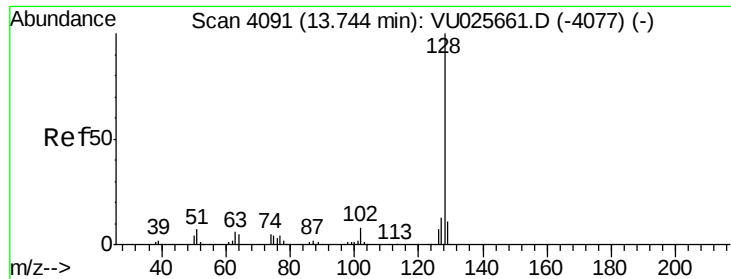
Tot Ion	Ratio	Lower	Upper
180	100		
182	96.0	47.3	141.9
145	28.9	14.9	44.7



#94
 Hexachlorobutadiene
 Concen: 19.76 ug/l
 RT: 13.70 min Scan# 4076
 Delta R.T. 0.00 min
 Lab File: VU025672.D
 Acq: 27 Jul 2018 16:28

Tgt Ion	Ratio	Lower	Upper
225	100		
223	62.6	31.9	95.7
227	64.0	32.3	96.9

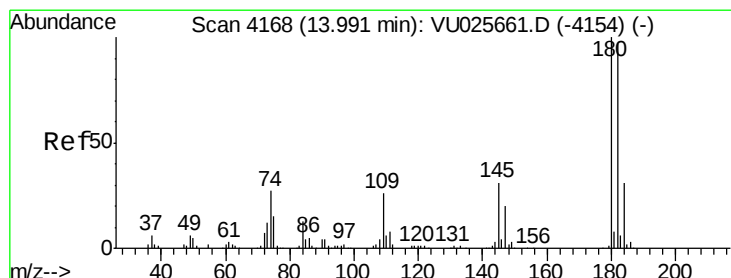
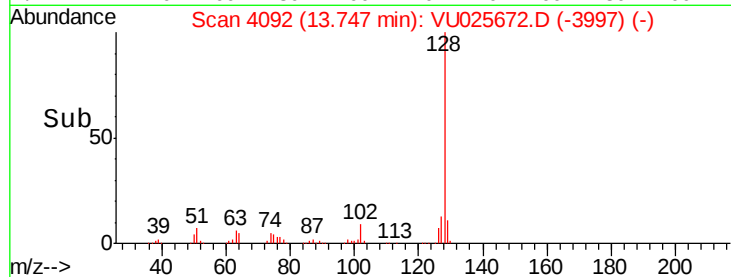
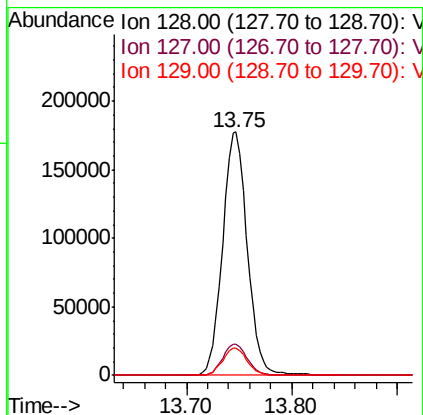
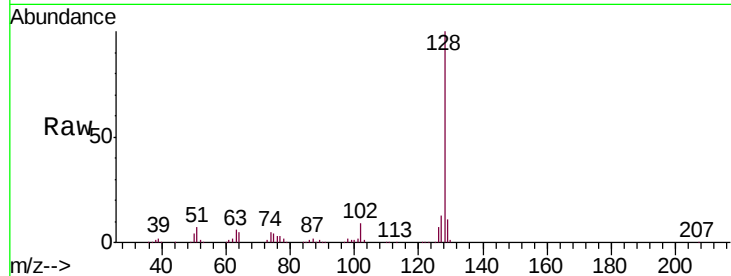




#95
Naphthalene
Concen: 24.83 ug/l
RT: 13.75 min Scan# 4092
Delta R.T. 0.00 min
Lab File: VU025672.D
Acq: 27 Jul 2018 16:28

Instrument :
MSVOA_U
ClientSampleId :
VU0727WBS01

Tot Ion:128 Resp: 287655
Ion Ratio Lower Upper
128 100
127 12.8 10.5 15.7
129 11.1 8.3 12.5



#96
1,2,3-Trichlorobenzene
Concen: 22.10 ug/l
RT: 13.99 min Scan# 4168
Delta R.T. 0.00 min
Lab File: VU025672.D
Acq: 27 Jul 2018 16:28

Tgt Ion:180 Resp: 81616
Ion Ratio Lower Upper
180 100
182 96.6 47.8 143.3
145 32.5 15.6 46.8

