

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\U072718\
 Data File : VU025664.D
 Acq On : 27 Jul 2018 12:56
 Operator : MD/SY
 Sample : VSTDICV050
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 ICSVU072718

Quant Time: Jul 28 03:35:15 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	203067	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.89	114	295709	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.09	117	285623	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.49	152	185174	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	5.31	65	162842	51.47	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.94%	
35) Dibromofluoromethane	4.89	113	135666	52.75	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.50%	
50) Toluene-d8	7.57	98	486028	54.00	ug/l	0.00
Spiked Amount	50.000		Recovery	=	108.00%	
62) 4-Bromofluorobenzene	10.31	95	188451	53.95	ug/l	0.00
Spiked Amount	50.000		Recovery	=	107.90%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.20	85	177340	57.78	ug/l	97
3) Chloromethane	1.33	50	154452	52.65	ug/l	99
4) Vinyl Chloride	1.40	62	146898	53.21	ug/l	99
5) Bromomethane	1.62	94	79777	59.17	ug/l	99
6) Chloroethane	1.69	64	82629	51.19	ug/l	99
7) Trichlorofluoromethane	1.88	101	213777	53.56	ug/l	99
8) Diethyl Ether	2.10	74	74274	51.43	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	2.28	101	118443	51.28	ug/l	99
10) Methyl Iodide	2.41	142	112724	51.92	ug/l	99
11) Tert butyl alcohol	2.83	59	170051	245.48	ug/l	100
12) 1,1-Dichloroethene	2.28	96	107650	49.37	ug/l	96
13) Acrolein	2.19	56	49539	197.04	ug/l	98
14) Allyl chloride	2.59	41	195771	49.96	ug/l	98
15) Acrylonitrile	2.93	53	358114	258.93	ug/l	99
16) Acetone	2.32	43	373704	242.26	ug/l	96
17) Carbon Disulfide	2.47	76	372728	52.82	ug/l	99
18) Methyl Acetate	2.62	43	197931	53.31	ug/l	97
19) Methyl tert-butyl Ether	3.00	73	416451	52.71	ug/l	100
20) Methylene Chloride	2.70	84	134183	49.08	ug/l	99
21) trans-1,2-Dichloroethene	2.98	96	131768	52.28	ug/l	98
22) Diisopropyl ether	3.57	45	403858	52.30	ug/l	94
23) Vinyl Acetate	3.53	43	1754795	260.78	ug/l	99
24) 1,1-Dichloroethane	3.45	63	239385	51.65	ug/l	99
25) 2-Butanone	4.26	43	540050	257.18	ug/l	98
26) 2,2-Dichloropropane	4.23	77	224637	53.32	ug/l	100
27) cis-1,2-Dichloroethene	4.23	96	145727	51.28	ug/l	100
28) Bromochloromethane	4.55	49	113822	54.92	ug/l	99
29) Tetrahydrofuran	4.64	42	312389	248.31	ug/l	99
30) Chloroform	4.68	83	248399	50.77	ug/l	97
31) Cyclohexane	5.00	56	214025	53.17	ug/l	99
32) 1,1,1-Trichloroethane	4.92	97	228626	51.90	ug/l	99
36) 1,1-Dichloropropene	5.14	75	190699	55.18	ug/l	99
37) Ethyl Acetate	4.38	43	189001	52.74	ug/l	99
38) Carbon Tetrachloride	5.14	117	207669	53.05	ug/l	99

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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	6.42	83	223511	56.45	ug/l	98
40) Benzene	5.39	78	526278	52.10	ug/l	99
41) Methacrylonitrile	4.54	41	105130	52.82	ug/l	98
42) 1,2-Dichloroethane	5.41	62	202327	52.02	ug/l	99
43) Isopropyl Acetate	5.55	43	309199	52.22	ug/l	99
44) Trichloroethene	6.19	130	150582	53.53	ug/l	99
45) 1,2-Dichloropropane	6.44	63	138375	52.52	ug/l	97
46) Dibromomethane	6.56	93	98626	51.67	ug/l	99
47) Bromodichloromethane	6.76	83	192602	52.89	ug/l	98
48) Methyl methacrylate	6.62	41	156433	53.90	ug/l	97
49) 1,4-Dioxane	6.61	88	75741	1072.46	ug/l	97
51) 4-Methyl-2-Pentanone	7.46	43	965756	260.51	ug/l	99
52) Toluene	7.64	92	336008	53.54	ug/l	100
53) t-1,3-Dichloropropene	7.88	75	226970	55.51	ug/l	99
54) cis-1,3-Dichloropropene	7.27	75	230981	55.00	ug/l	98
55) 1,1,2-Trichloroethane	8.07	97	135945	52.13	ug/l	99
56) Ethyl methacrylate	8.02	69	204980	55.01	ug/l	96
57) 1,3-Dichloropropane	8.25	76	231168	52.71	ug/l	100
58) 2-Chloroethyl Vinyl ether	7.13	63	385974	229.34	ug/l	98
59) 2-Hexanone	8.36	43	778399	267.86	ug/l	98
60) Dibromochloromethane	8.48	129	162273	52.76	ug/l	100
61) 1,2-Dibromoethane	8.59	107	153045	52.77	ug/l	99
64) Tetrachloroethene	8.23	164	133707	53.18	ug/l	99
65) Chlorobenzene	9.12	112	388650	52.78	ug/l	100
66) 1,1,1,2-Tetrachloroethane	9.21	131	144741	54.33	ug/l	100
67) Ethyl Benzene	9.25	91	662284	54.29	ug/l	100
68) m/p-Xylenes	9.38	106	523709	111.83	ug/l	99
69) o-Xylene	9.78	106	250263	54.68	ug/l	98
70) Styrene	9.80	104	412519	55.80	ug/l	98
71) Bromoform	9.96	173	125627	54.39	ug/l #	100
73) Isopropylbenzene	10.17	105	685510	54.24	ug/l	100
74) N-amyl acetate	10.01	43	281042	54.47	ug/l	99
75) 1,1,2,2-Tetrachloroethane	10.46	83	220099	50.36	ug/l	98
76) 1,2,3-Trichloropropane	10.50	75	268128	65.72	ug/l	85
77) Bromobenzene	10.45	156	179273	51.43	ug/l	99
78) n-propylbenzene	10.59	91	818489	55.49	ug/l	99
79) 2-Chlorotoluene	10.66	91	465596	53.89	ug/l	99
80) 1,3,5-Trimethylbenzene	10.78	105	595351	55.47	ug/l	99
81) trans-1,4-Dichloro-2-buten	10.50	75	268128	164.79	ug/l #	100
82) 4-Chlorotoluene	10.78	91	564931	55.47	ug/l	99
83) tert-Butylbenzene	11.10	119	580367	54.42	ug/l	97
84) 1,2,4-Trimethylbenzene	11.15	105	609956	56.08	ug/l	98
85) sec-Butylbenzene	11.33	105	731274	56.16	ug/l	100
86) p-Isopropyltoluene	11.48	119	664712	57.01	ug/l	99
87) 1,3-Dichlorobenzene	11.42	146	345658	53.42	ug/l	99
88) 1,4-Dichlorobenzene	11.51	146	351826	52.16	ug/l	100
89) n-Butylbenzene	11.89	91	616573	57.31	ug/l	100
90) Hexachloroethane	12.15	117	111520	53.80	ug/l	99
91) 1,2-Dichlorobenzene	11.88	146	340068	53.62	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	12.66	75	55289	53.36	ug/l	98

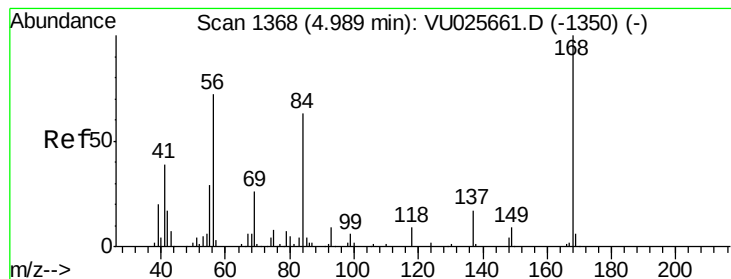
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA U\DATA\VU072718\
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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.51	180	252087	58.89	ug/l	98
94) Hexachlorobutadiene	13.70	225	127960	56.71	ug/l	99
95) Naphthalene	13.75	128	729758	53.00	ug/l	99
96) 1,2,3-Trichlorobenzene	13.99	180	250018	58.55	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 4.99 min Scan# 1367

Delta R.T. -0.00 min

Lab File: VU025664.D

Acq: 27 Jul 2018 12:56

Instrument :

MSVOA_U

ClientSampleId :

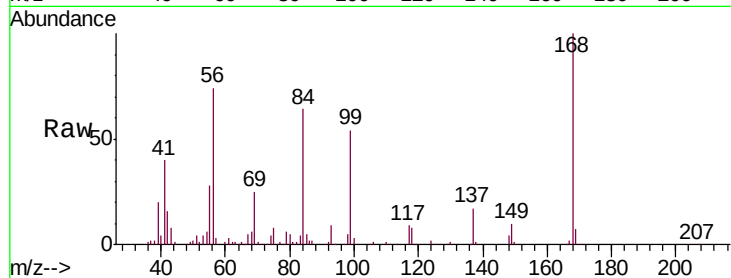
ICVVU072718

Tot Ion:168 Resp: 203067

Ion Ratio Lower Upper

168 100

99 54.3 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) (-)

4.99

100000

80000

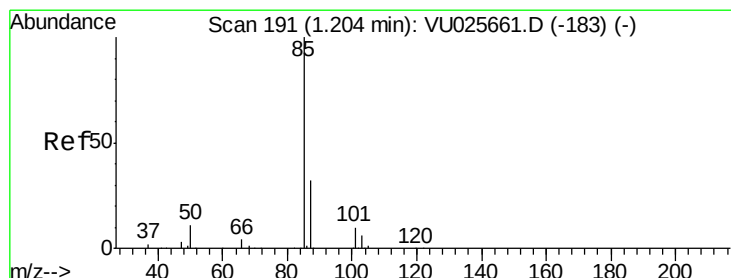
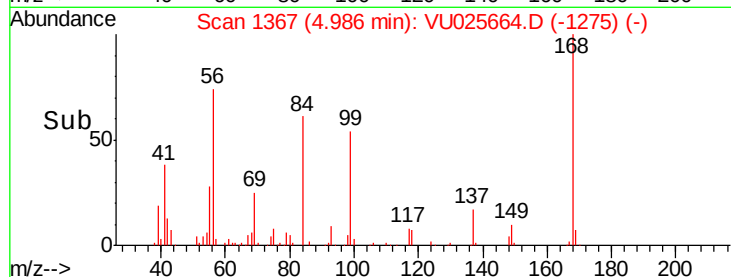
60000

40000

20000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 57.78 ug/l

RT: 1.20 min Scan# 191

Delta R.T. 0.00 min

Lab File: VU025664.D

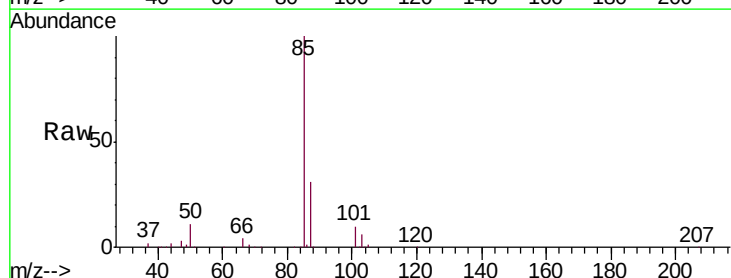
Acq: 27 Jul 2018 12:56

Tgt Ion: 85 Resp: 177340

Ion Ratio Lower Upper

85 100

87 31.3 16.5 49.5



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

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

1.20

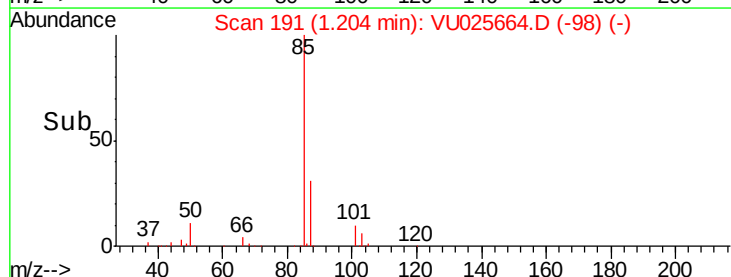
150000

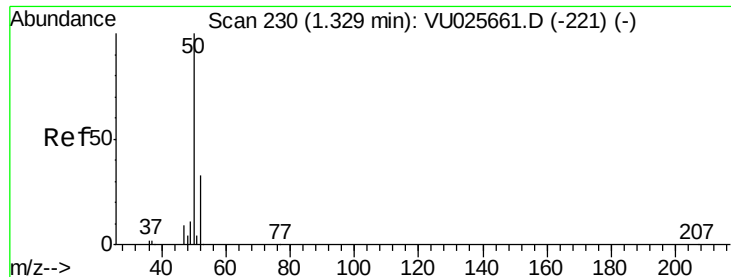
100000

50000

0

Time-->





#3

Chloromethane

Concen: 52.65 ug/l

RT: 1.33 min Scan# 230

Delta R.T. 0.00 min

Lab File: VU025664.D

Acq: 27 Jul 2018 12:56

Instrument :

MSVOA_U

ClientSampleId :

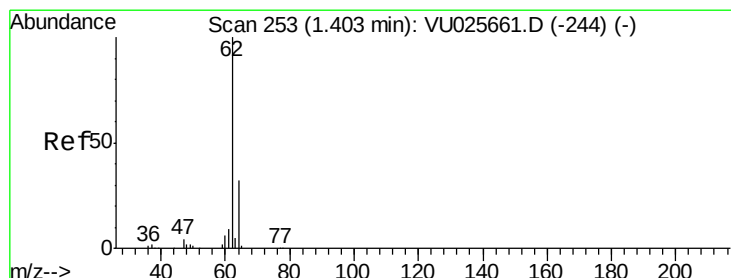
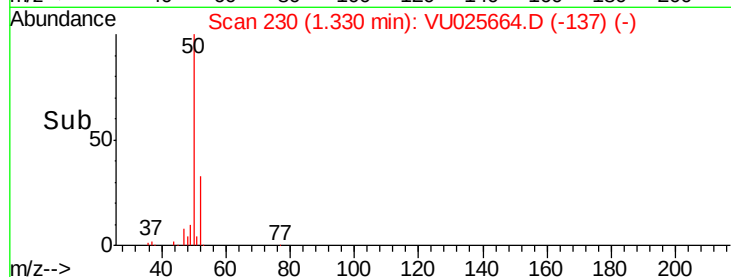
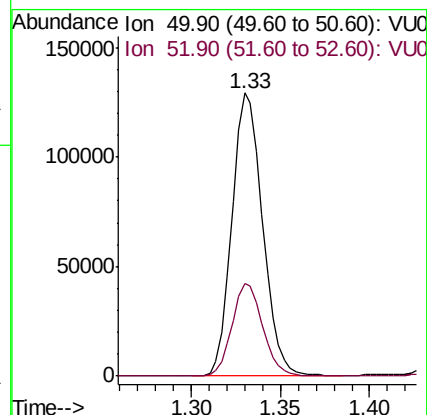
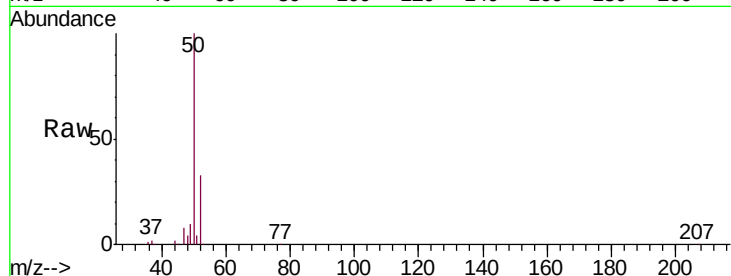
ICVVU072718

Tot Ion: 50 Resp: 154452

Ion Ratio Lower Upper

50 100

52 32.6 26.5 39.7



#4

Vinyl Chloride

Concen: 53.21 ug/l

RT: 1.40 min Scan# 253

Delta R.T. 0.00 min

Lab File: VU025664.D

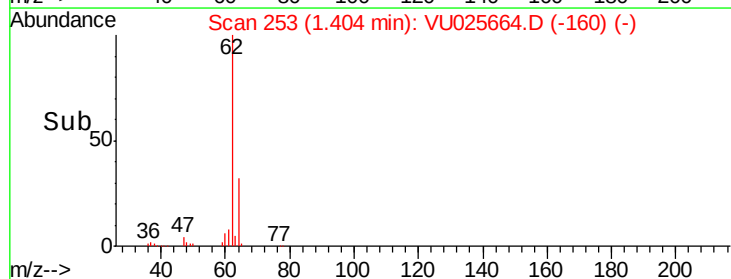
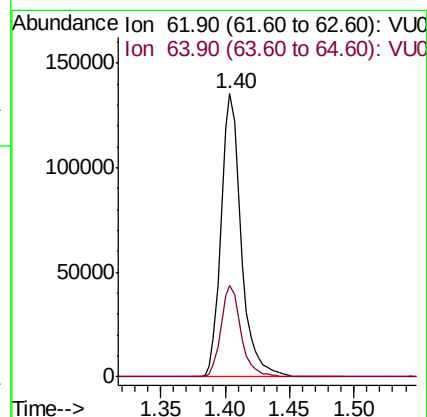
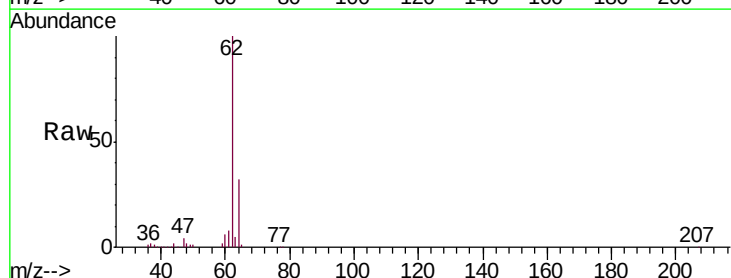
Acq: 27 Jul 2018 12:56

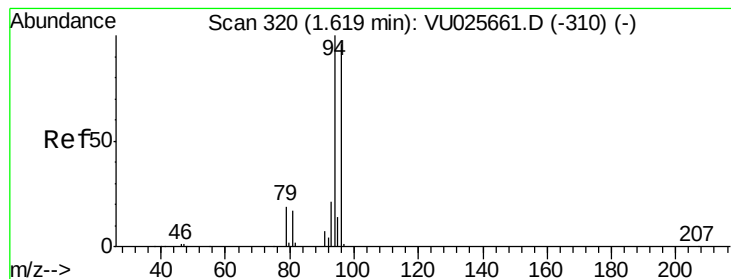
Tgt Ion: 62 Resp: 146898

Ion Ratio Lower Upper

62 100

64 32.4 25.4 38.0





#5

Bromomethane

Concen: 59.17 ug/l

RT: 1.62 min Scan# 320

Delta R.T. 0.00 min

Lab File: VU025664.D

Acq: 27 Jul 2018 12:56

Instrument :

MSVOA_U

ClientSampleId :

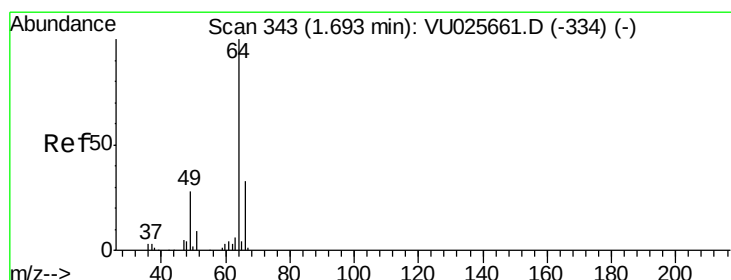
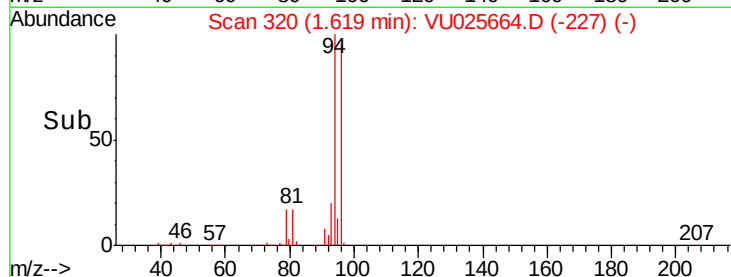
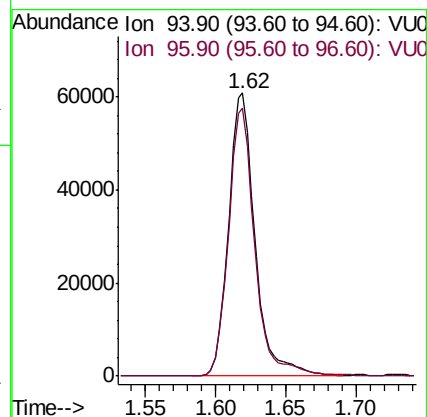
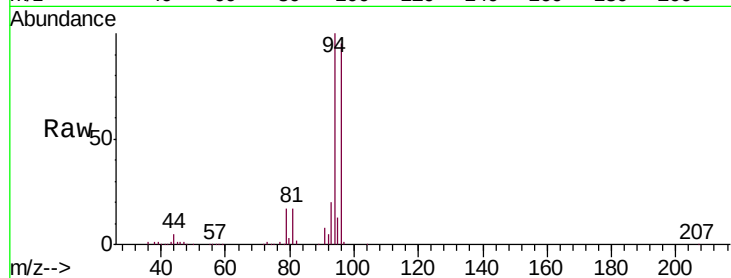
ICVVU072718

Tot Ion: 94 Resp: 79777

Ion Ratio Lower Upper

94 100

96 94.6 75.0 112.4



#6

Chloroethane

Concen: 51.19 ug/l

RT: 1.69 min Scan# 343

Delta R.T. 0.00 min

Lab File: VU025664.D

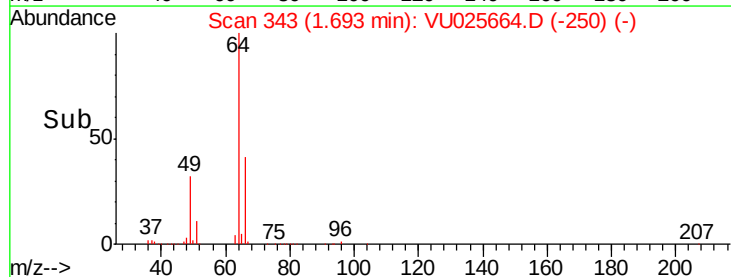
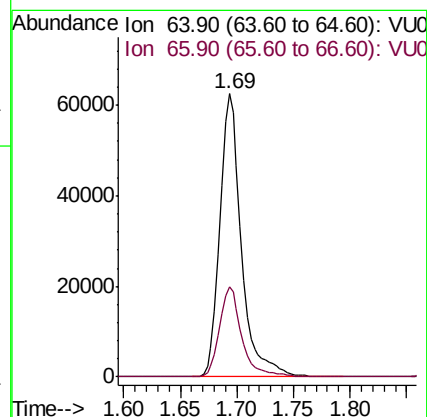
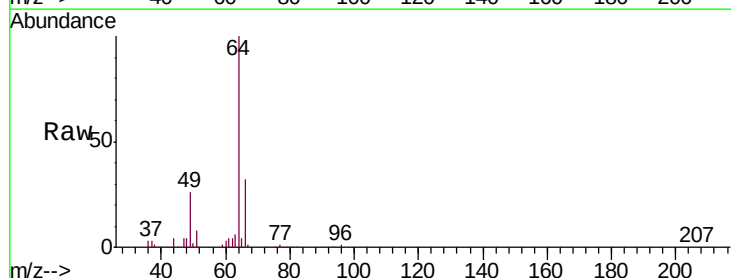
Acq: 27 Jul 2018 12:56

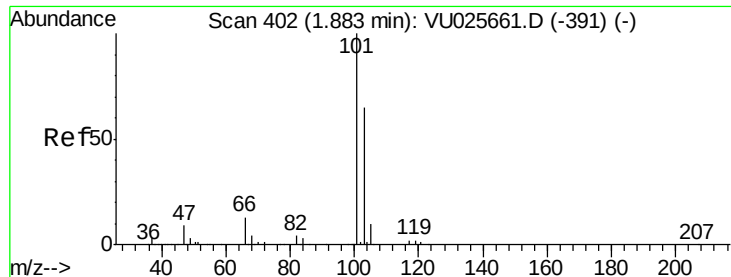
Tgt Ion: 64 Resp: 82629

Ion Ratio Lower Upper

64 100

66 31.7 25.0 37.4



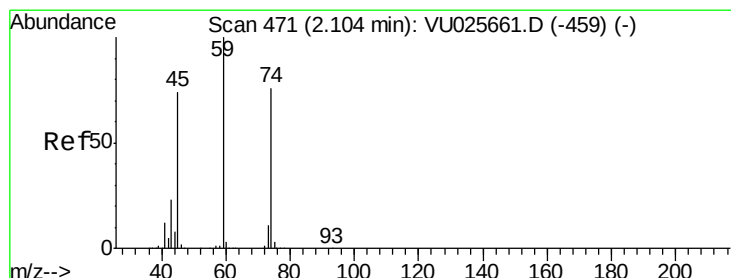
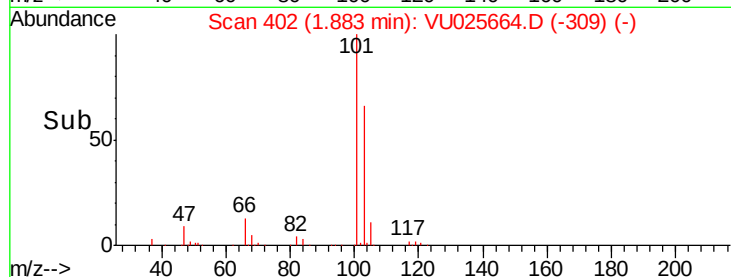
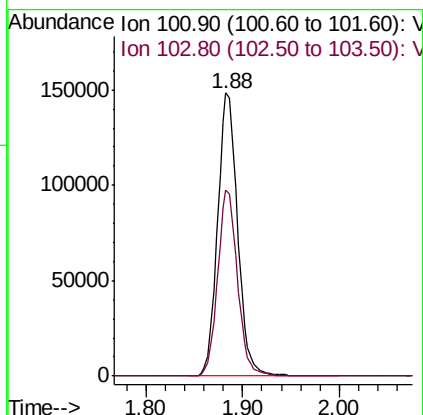
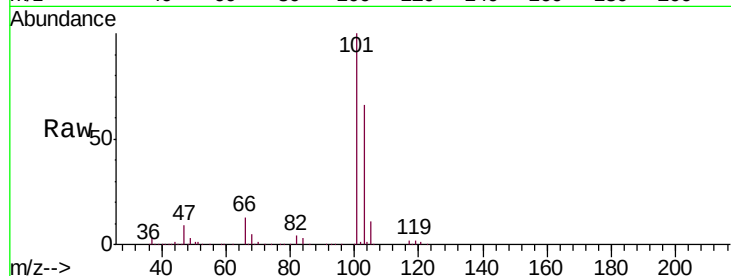


#7

Trichlorofluoromethane
 Concen: 53.56 ug/l
 RT: 1.88 min Scan# 402
 Delta R.T. 0.00 min
 Lab File: VU025664.D
 Acq: 27 Jul 2018 12:56

Instrument :
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 ClientSampleId :
 ICVVU072718

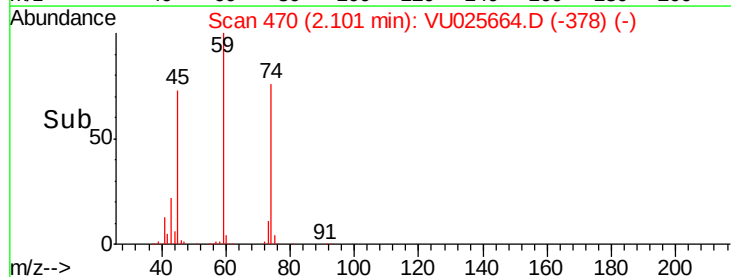
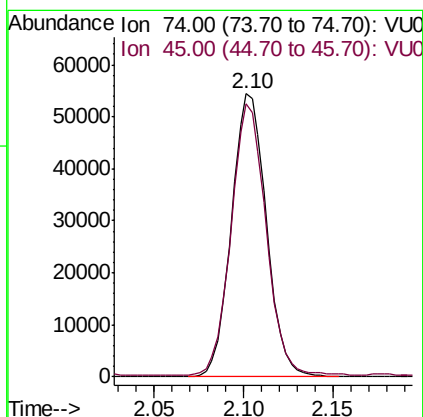
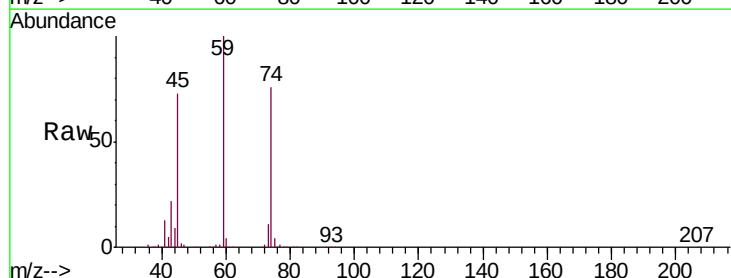
Tot Ion:101 Resp: 213777
 Ion Ratio Lower Upper
 101 100
 103 65.9 52.2 78.2

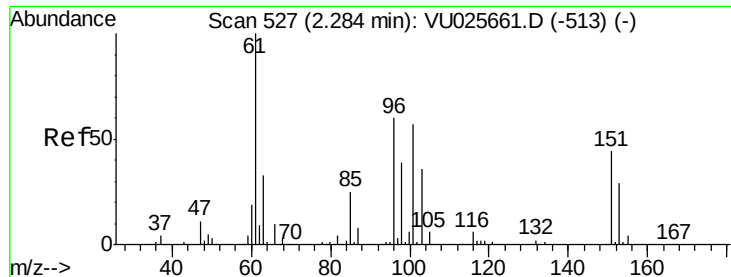


#8

Diethyl Ether
 Concen: 51.43 ug/l
 RT: 2.10 min Scan# 470
 Delta R.T. -0.00 min
 Lab File: VU025664.D
 Acq: 27 Jul 2018 12:56

Tgt Ion: 74 Resp: 74274
 Ion Ratio Lower Upper
 74 100
 45 95.1 48.3 144.9





#9

1,1,2-Trichlorotrifluoroethane

Concen: 51.28 ug/l

RT: 2.28 min Scan# 527

Delta R.T. 0.00 min

Lab File: VU025664.D

Acq: 27 Jul 2018 12:56

Instrument :

MSVOA_U

ClientSampleId :

ICVVU072718

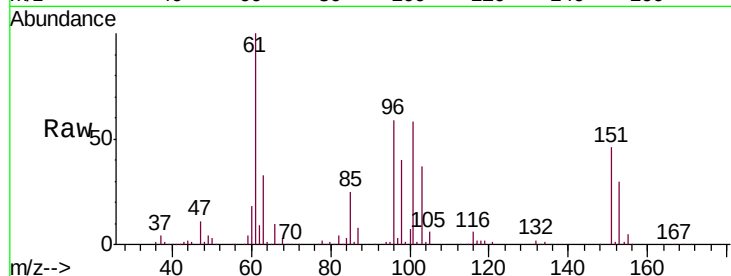
Tot Ion:101 Resp: 118443

Ion Ratio Lower Upper

101 100

85 43.9 36.0 54.0

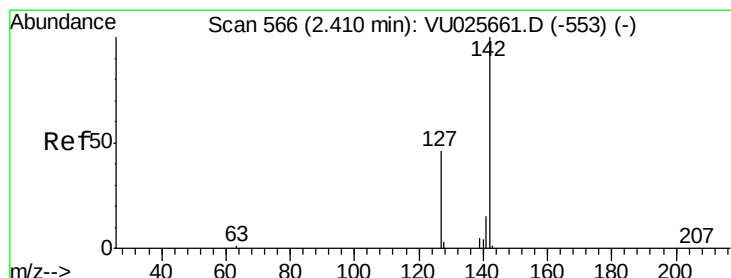
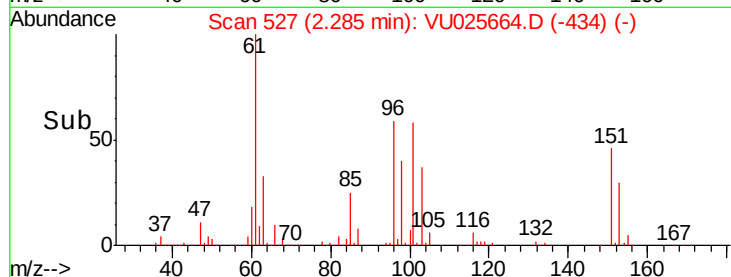
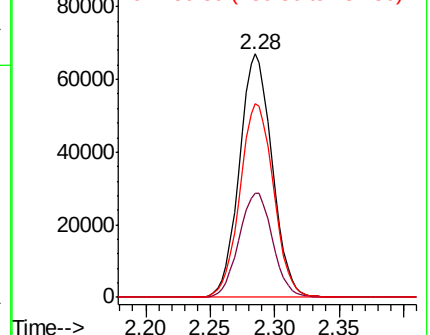
151 81.8 65.6 98.4



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: 51.92 ug/l

RT: 2.41 min Scan# 566

Delta R.T. 0.00 min

Lab File: VU025664.D

Acq: 27 Jul 2018 12:56

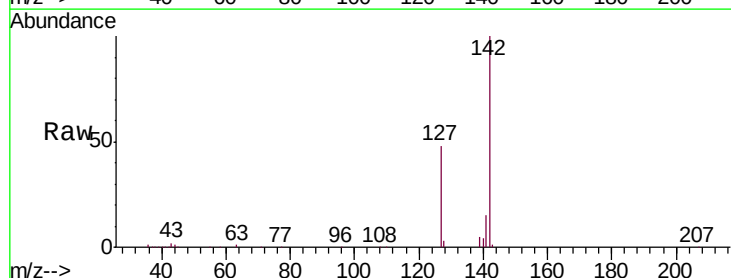
Tgt Ion:142 Resp: 112724

Ion Ratio Lower Upper

142 100

127 44.8 36.5 54.7

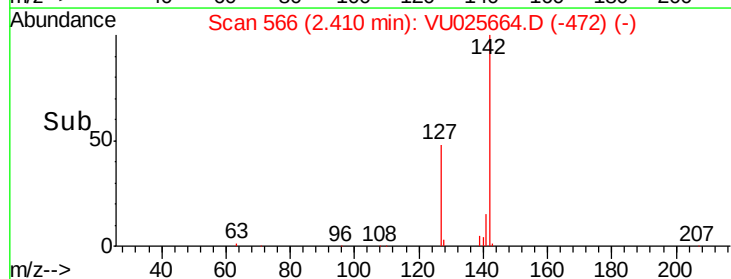
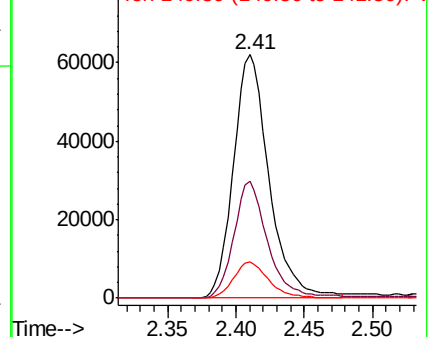
141 14.8 11.4 17.2

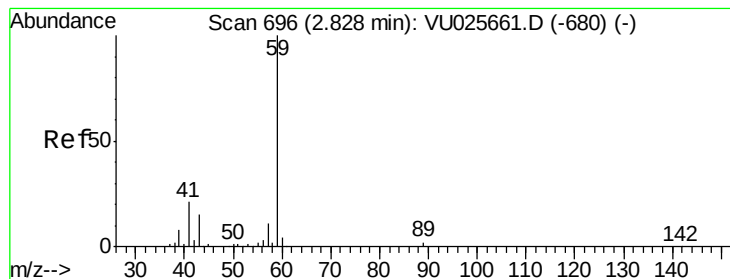


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



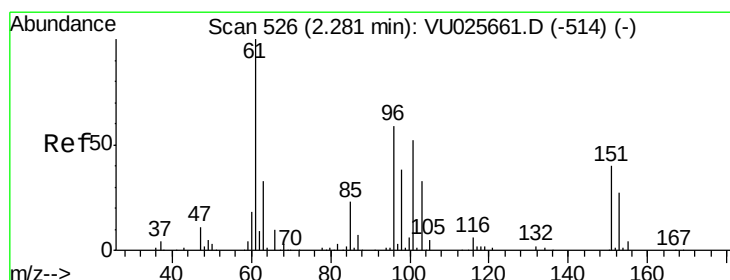
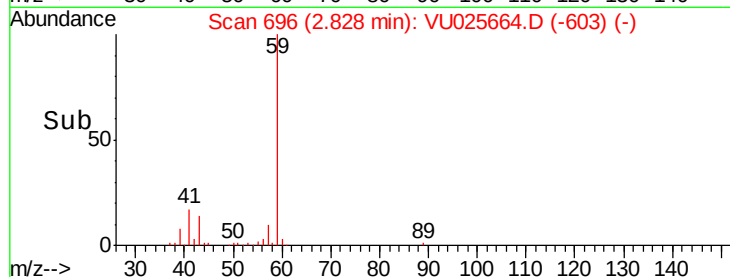
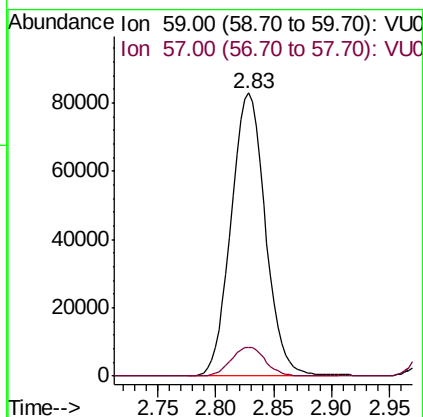
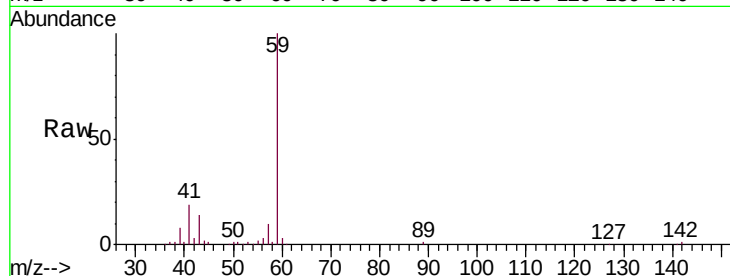


#11

Tert butyl alcohol
 Concen: 245.48 ug/l
 RT: 2.83 min Scan# 696
 Delta R.T. 0.00 min
 Lab File: VU025664.D
 Acq: 27 Jul 2018 12:56

Instrument :
 MSVOA_U
 ClientSampleId :
 ICVVU072718

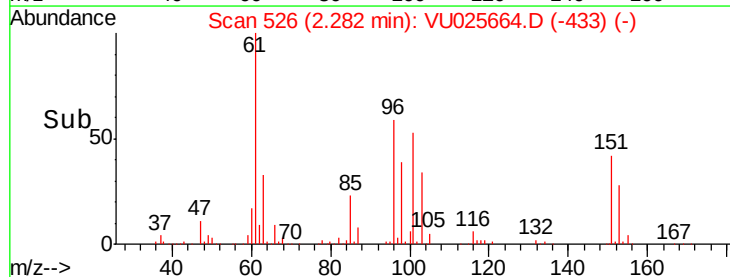
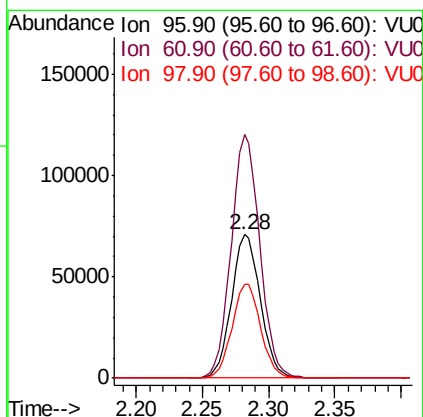
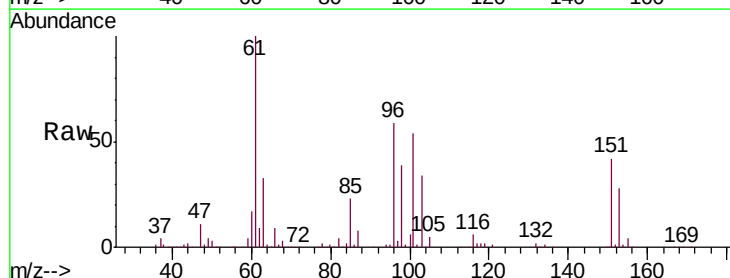
Tot Ion: 59 Resp: 170051
 Ion Ratio Lower Upper
 59 100
 57 10.4 8.2 12.2

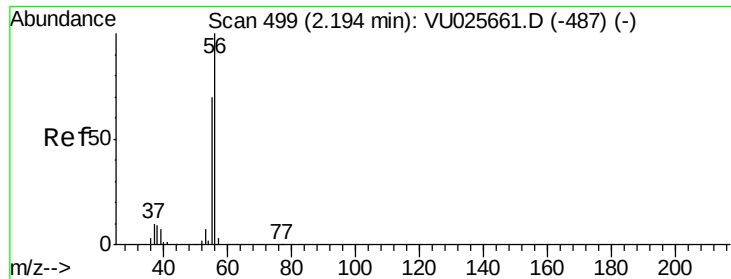


#12

1,1-Dichloroethene
 Concen: 49.37 ug/l
 RT: 2.28 min Scan# 526
 Delta R.T. 0.00 min
 Lab File: VU025664.D
 Acq: 27 Jul 2018 12:56

Tgt Ion: 96 Resp: 107650
 Ion Ratio Lower Upper
 96 100
 61 169.6 140.2 210.4
 98 65.7 49.3 73.9

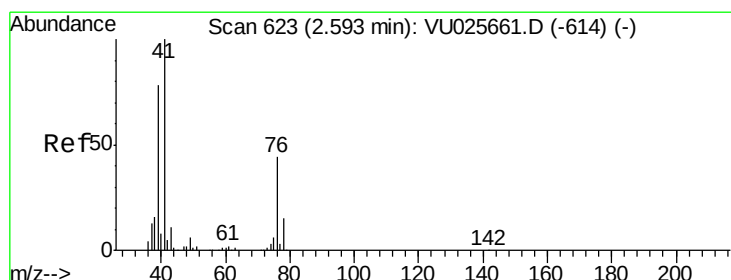
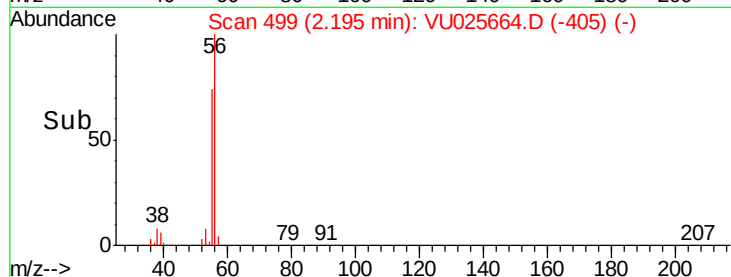
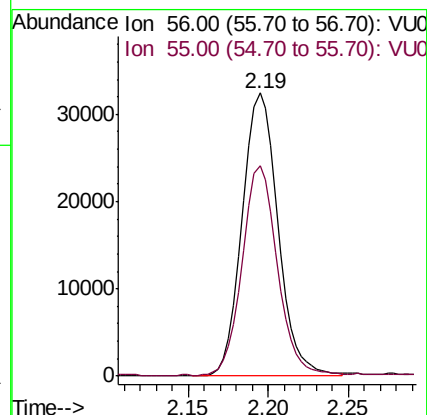
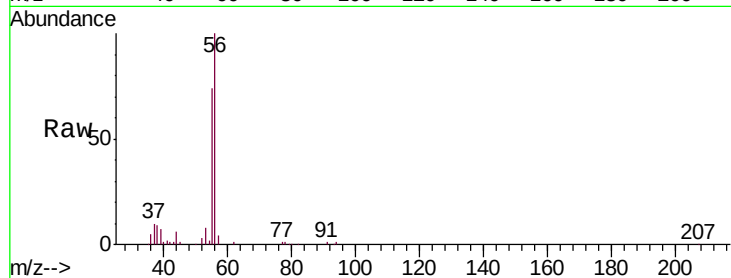




#13
Acrolein
Concen: 197.04 ug/l
RT: 2.19 min Scan# 499
Delta R.T. 0.00 min
Lab File: VU025664.D
Acq: 27 Jul 2018 12:56

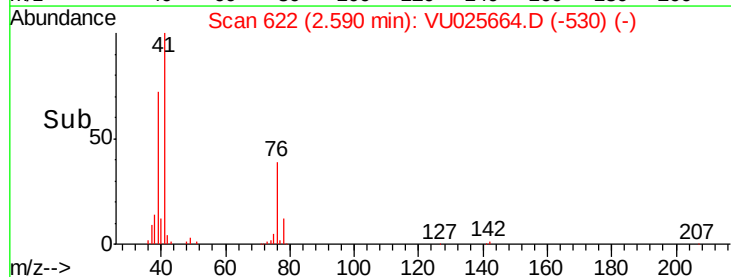
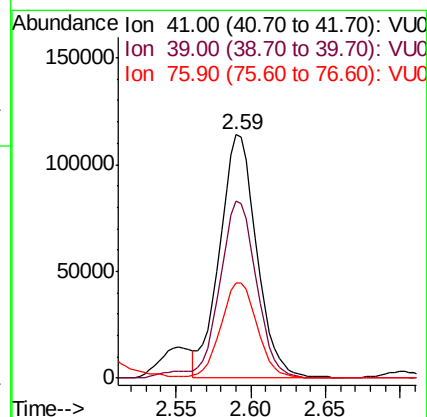
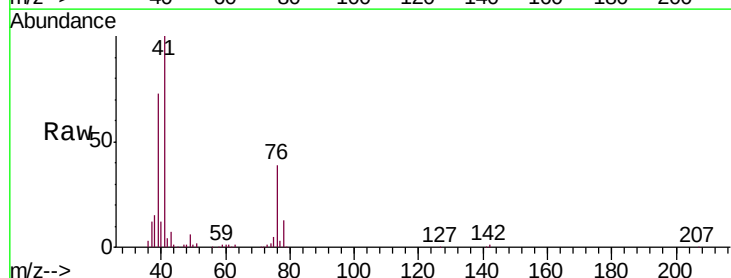
Instrument :
MSVOA_U
ClientSampleId :
ICVVU072718

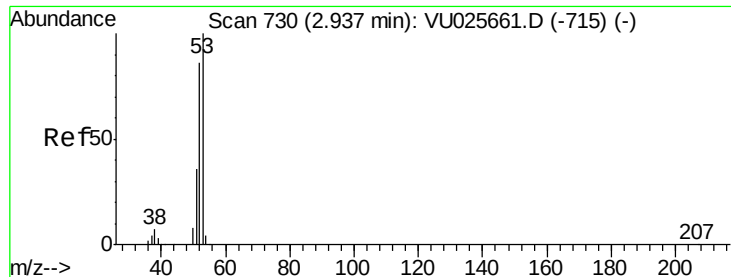
Tot Ion: 56 Resp: 49539
Ion Ratio Lower Upper
56 100
55 73.5 57.2 85.8



#14
Allyl chloride
Concen: 49.96 ug/l
RT: 2.59 min Scan# 622
Delta R.T. -0.00 min
Lab File: VU025664.D
Acq: 27 Jul 2018 12:56

Tgt Ion: 41 Resp: 195771
Ion Ratio Lower Upper
41 100
39 73.8 60.6 91.0
76 38.8 30.5 45.7





#15

Acrylonitrile

Concen: 258.93 ug/l

RT: 2.93 min Scan# 729

Delta R.T. -0.00 min

Lab File: VU025664.D

Acq: 27 Jul 2018 12:56

Instrument :

MSVOA_U

ClientSampleId :

ICVVU072718

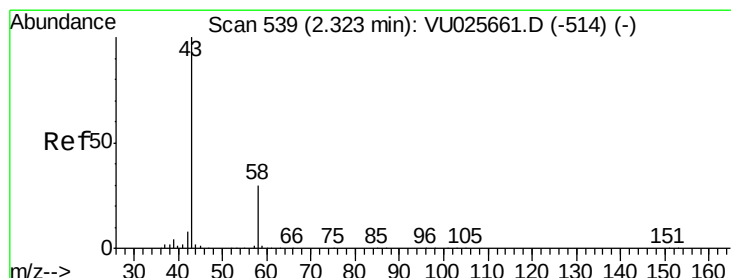
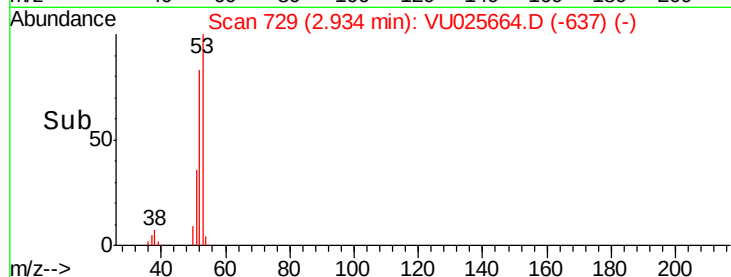
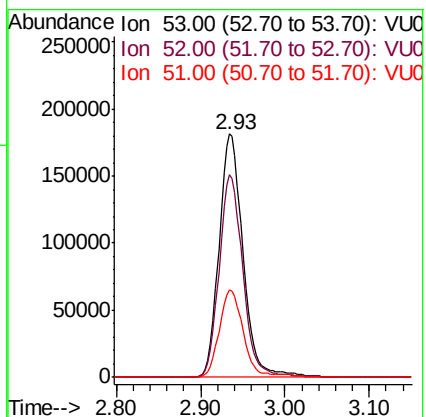
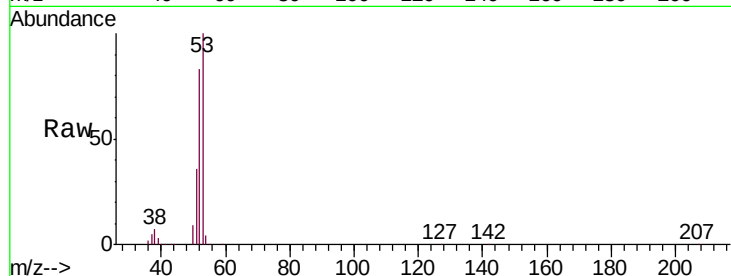
Tot Ion: 53 Resp: 358114

Ion Ratio Lower Upper

53 100

52 81.9 66.6 99.8

51 36.7 29.4 44.2



#16

Acetone

Concen: 242.26 ug/l

RT: 2.32 min Scan# 538

Delta R.T. -0.00 min

Lab File: VU025664.D

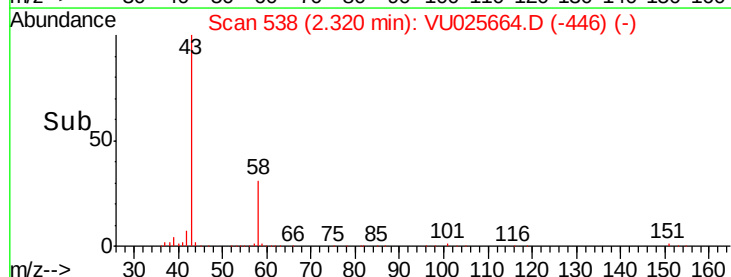
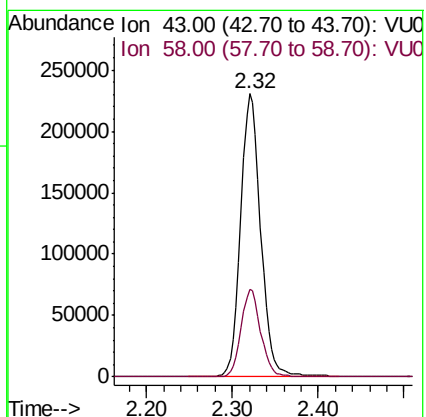
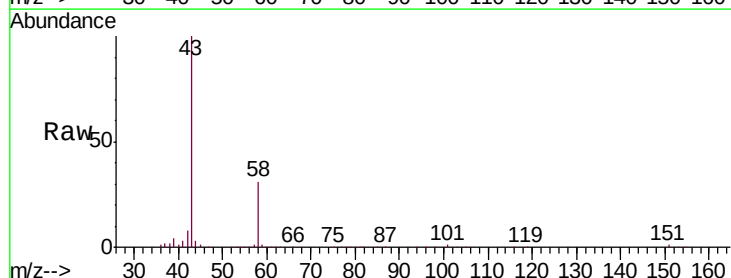
Acq: 27 Jul 2018 12:56

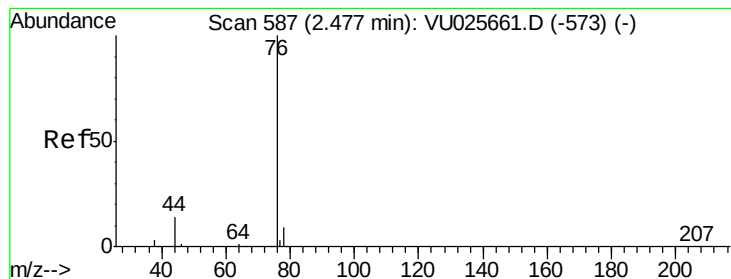
Tgt Ion: 43 Resp: 373704

Ion Ratio Lower Upper

43 100

58 31.0 23.1 34.7





#17

Carbon Disulfide

Concen: 52.82 ug/l

RT: 2.47 min Scan# 586

Delta R.T. -0.00 min

Lab File: VU025664.D

Acq: 27 Jul 2018 12:56

Instrument :

MSVOA_U

ClientSampleId :

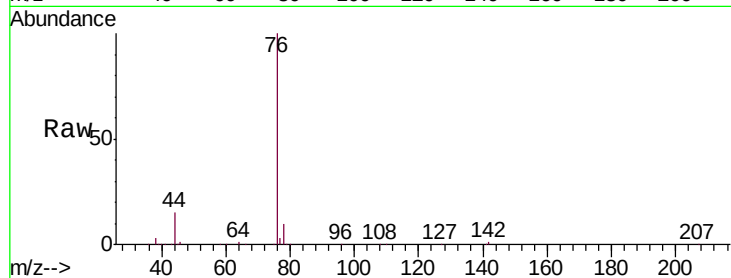
ICVVU072718

Tot Ion: 76 Resp: 372728

Ion Ratio Lower Upper

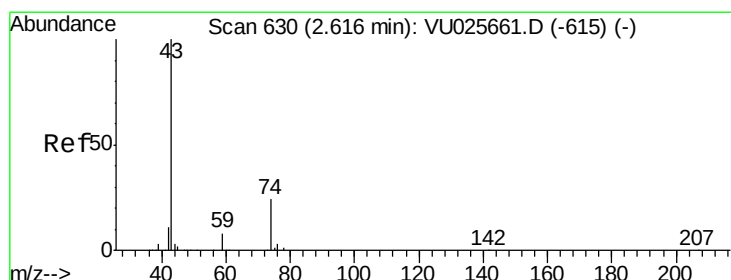
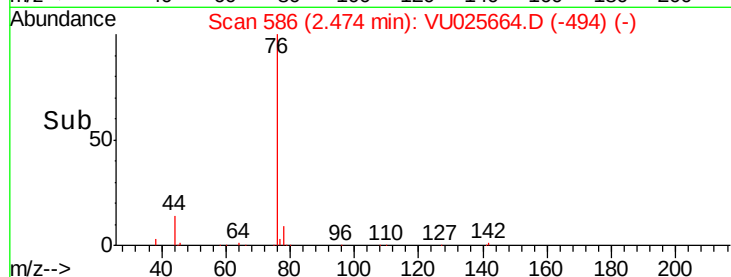
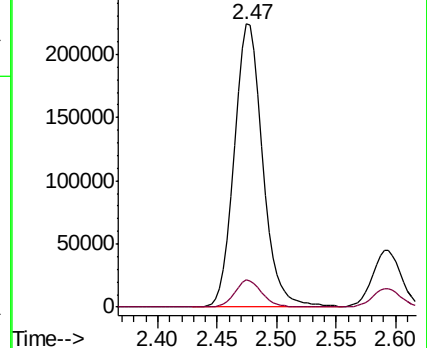
76 100

78 9.5 7.4 11.2



Abundance Ion 75.90 (75.60 to 76.60): VU0

Ion 77.90 (77.60 to 78.60): VU0



#18

Methyl Acetate

Concen: 53.31 ug/l

RT: 2.62 min Scan# 630

Delta R.T. 0.00 min

Lab File: VU025664.D

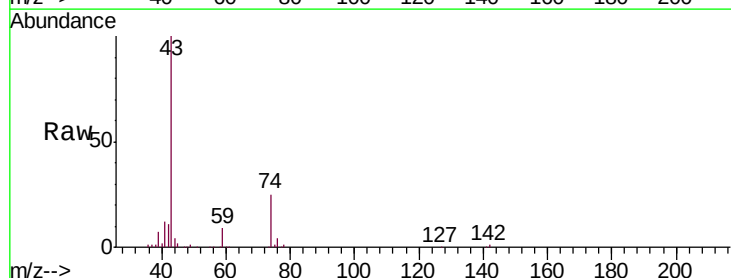
Acq: 27 Jul 2018 12:56

Tgt Ion: 43 Resp: 197931

Ion Ratio Lower Upper

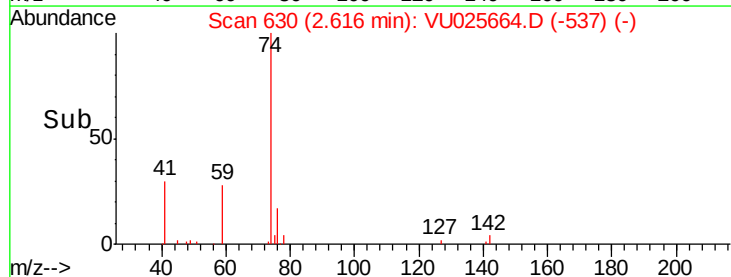
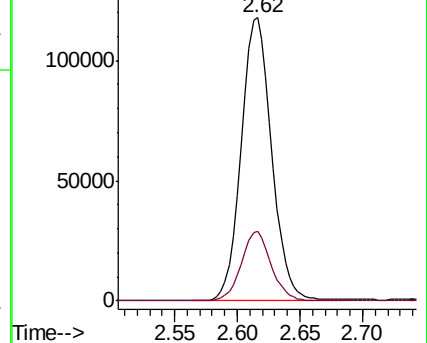
43 100

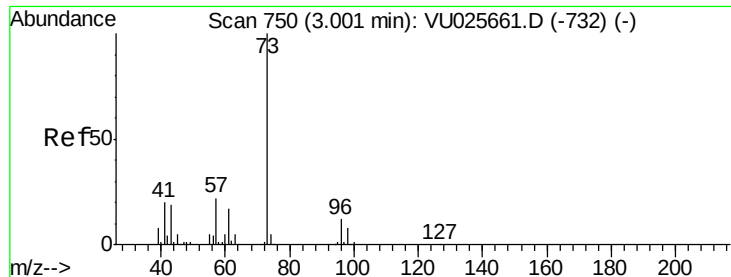
74 24.3 18.5 27.7



Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 74.00 (73.70 to 74.70): VU0

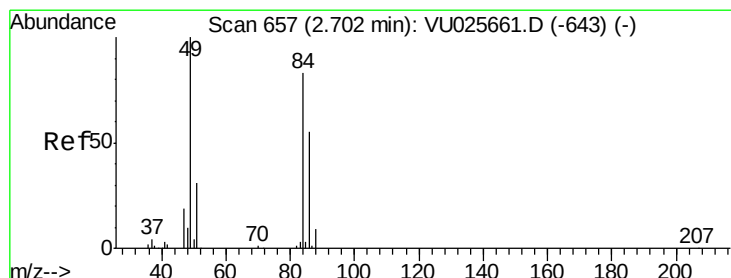
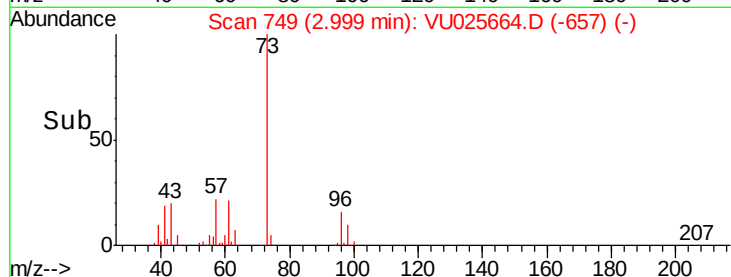
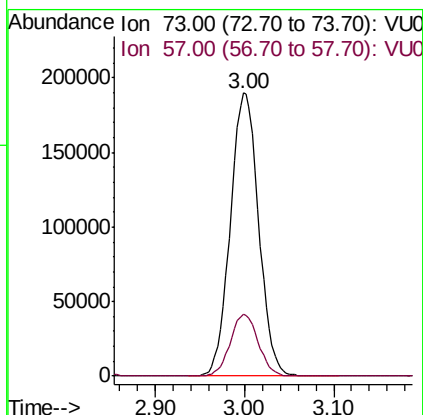
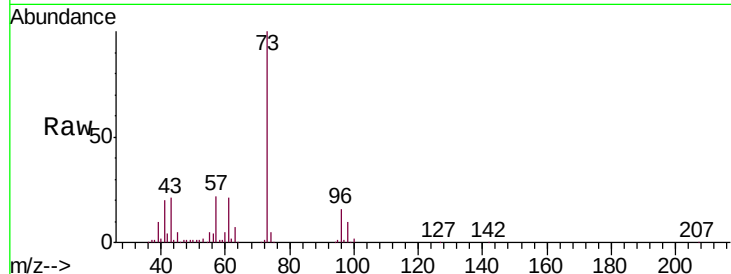




#19
Methvl tert-butvl Ether
Concen: 52.71 ug/l
RT: 3.00 min Scan# 749
Delta R.T. -0.00 min
Lab File: VU025664.D
Acq: 27 Jul 2018 12:56

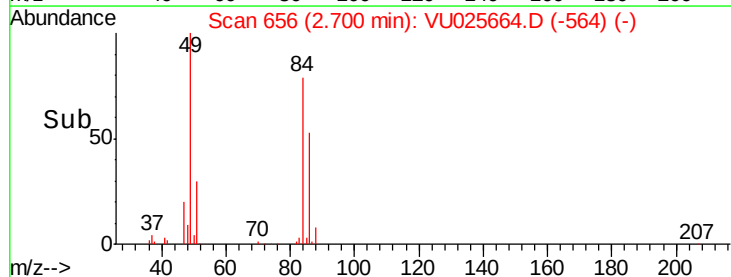
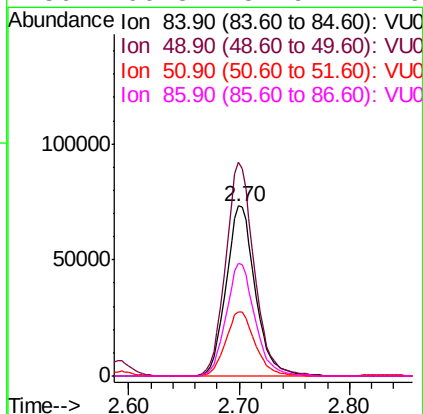
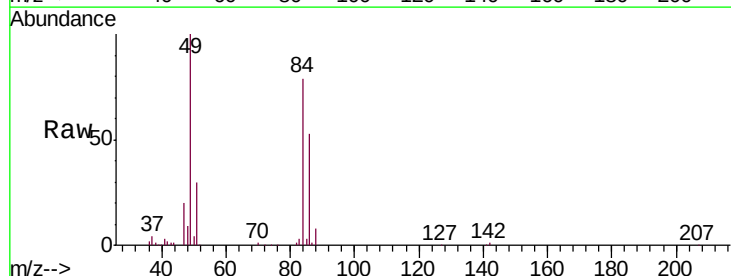
Instrument :
MSVOA_U
ClientSampleId :
ICVVU072718

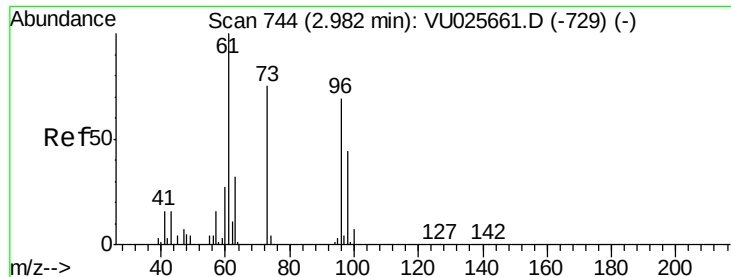
Tot Ion: 73 Resp: 416451
Ion Ratio Lower Upper
73 100
57 21.7 17.4 26.2



#20
Methylene Chloride
Concen: 49.08 ug/l
RT: 2.70 min Scan# 656
Delta R.T. -0.00 min
Lab File: VU025664.D
Acq: 27 Jul 2018 12:56

Tgt Ion: 84 Resp: 134183
Ion Ratio Lower Upper
84 100
49 125.8 101.8 152.6
51 38.0 30.8 46.2
86 66.3 51.9 77.9





#21

trans-1,2-Dichloroethene

Concen: 52.28 ug/l

RT: 2.98 min Scan# 744

Delta R.T. 0.00 min

Lab File: VU025664.D

Acq: 27 Jul 2018 12:56

Instrument :

MSVOA_U

ClientSampleId :

ICVVU072718

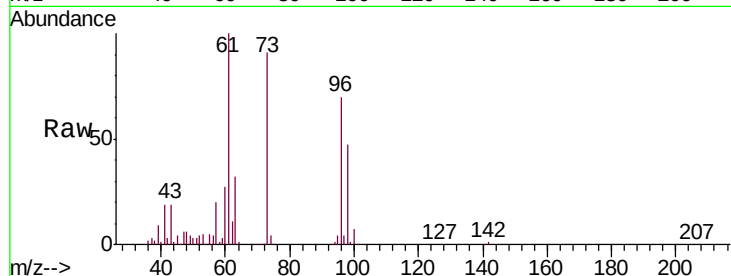
Tot Ion: 96 Resp: 131768

Ion Ratio Lower Upper

96 100

61 142.1 114.5 171.7

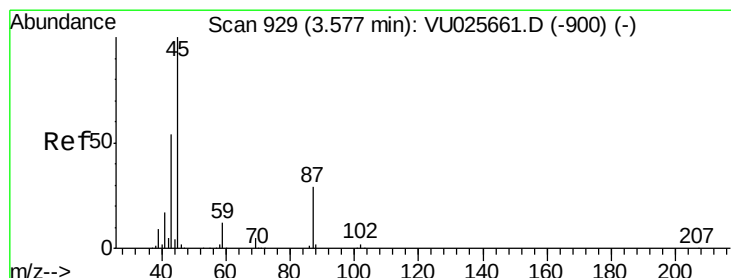
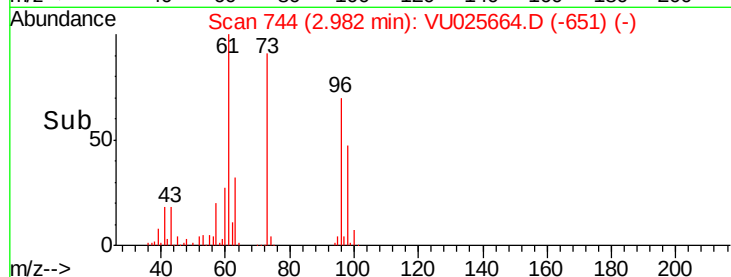
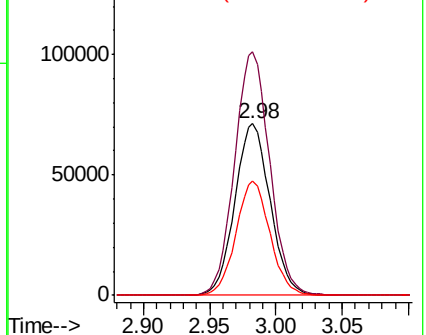
98 66.6 50.5 75.7



Abundance Ion 95.90 (95.60 to 96.60): VU0

Ion 60.90 (60.60 to 61.60): VU0

Ion 97.90 (97.60 to 98.60): VU0



#22

Diisopropyl ether

Concen: 52.30 ug/l

RT: 3.57 min Scan# 927

Delta R.T. -0.01 min

Lab File: VU025664.D

Acq: 27 Jul 2018 12:56

Tgt Ion: 45 Resp: 403858

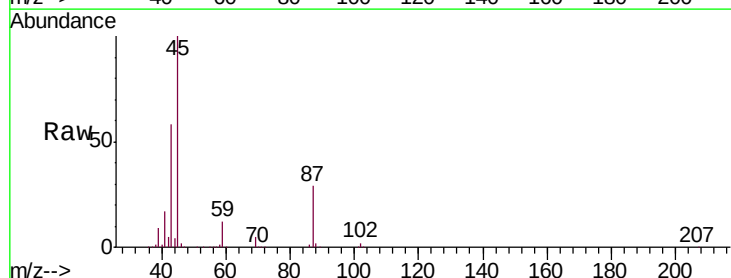
Ion Ratio Lower Upper

45 100

43 57.0 50.9 76.3

87 29.0 23.8 35.8

59 11.6 9.0 13.4

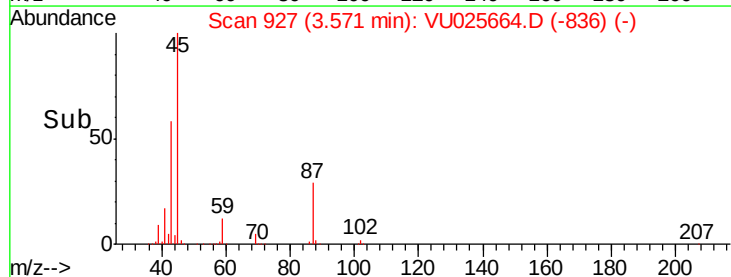
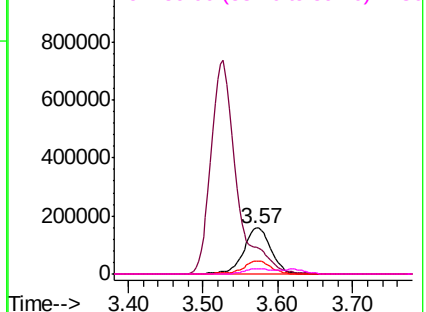


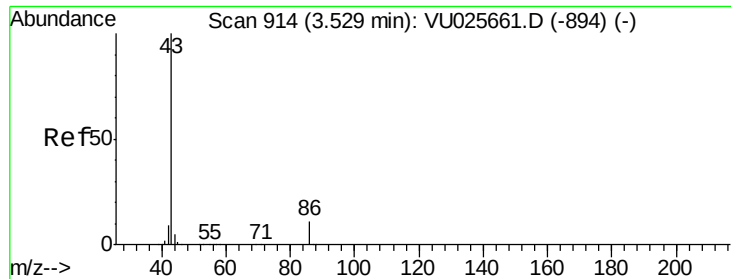
Abundance Ion 45.00 (44.70 to 45.70): VU0

Ion 43.00 (42.70 to 43.70): VU0

Ion 87.00 (86.70 to 87.70): VU0

Ion 59.00 (58.70 to 59.70): VU0





#23

Vinyl Acetate

Concen: 260.78 ug/l

RT: 3.53 min Scan# 913

Delta R.T. -0.00 min

Lab File: VU025664.D

Acq: 27 Jul 2018 12:56

Instrument :

MSVOA_U

ClientSampleId :

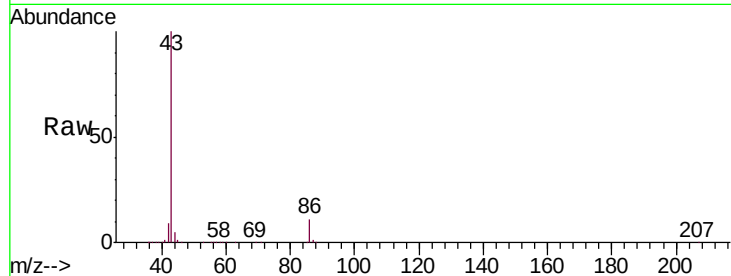
ICVVU072718

Tot Ion: 43 Resp: 1754795

Ion Ratio Lower Upper

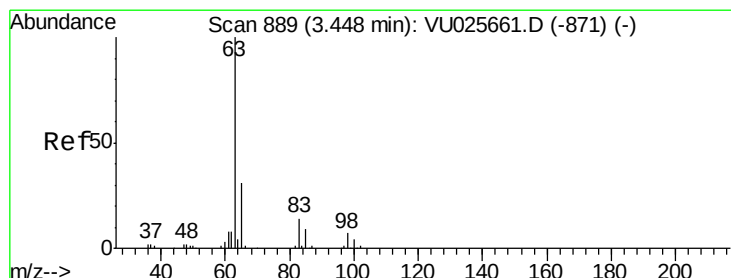
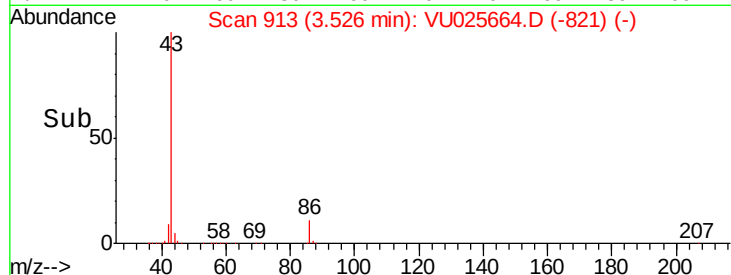
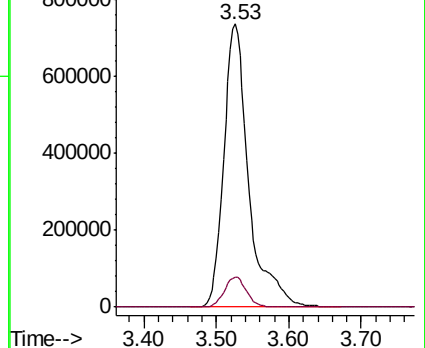
43 100

86 10.7 8.2 12.2



Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 86.00 (85.70 to 86.70): VU0



#24

1,1-Dichloroethane

Concen: 51.65 ug/l

RT: 3.45 min Scan# 888

Delta R.T. -0.00 min

Lab File: VU025664.D

Acq: 27 Jul 2018 12:56

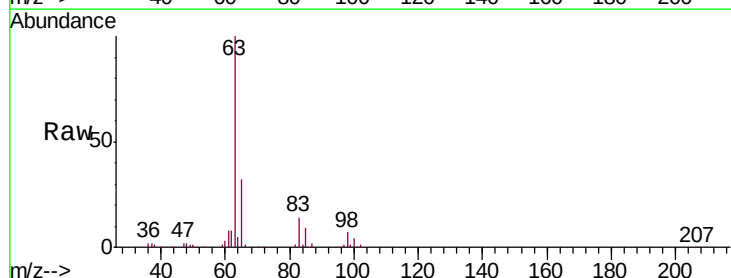
Tgt Ion: 63 Resp: 239385

Ion Ratio Lower Upper

63 100

98 7.0 3.4 10.1

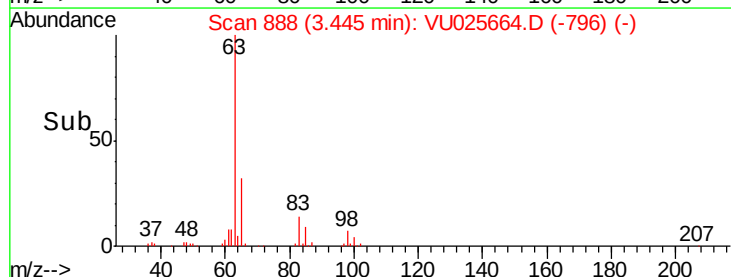
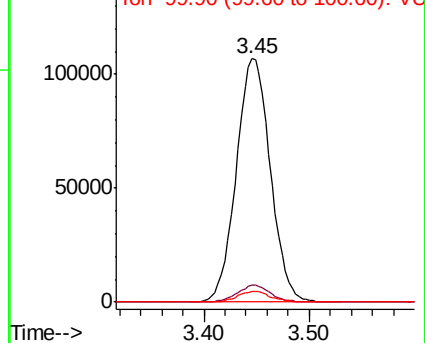
100 4.4 2.0 6.0

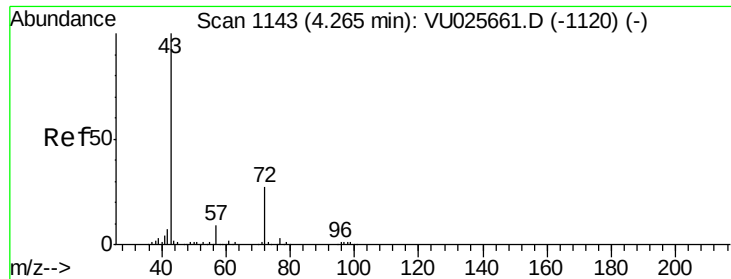


Abundance Ion 62.90 (62.60 to 63.60): VU0

Ion 97.90 (97.60 to 98.60): VU0

Ion 99.90 (99.60 to 100.60): VU0

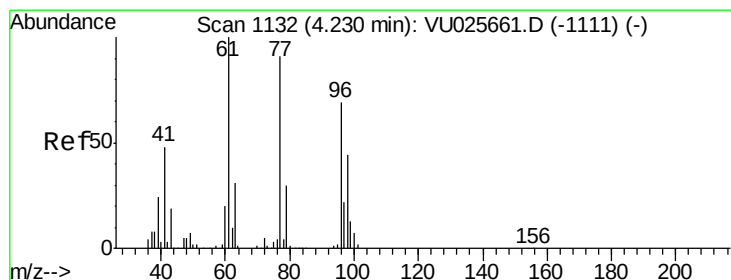
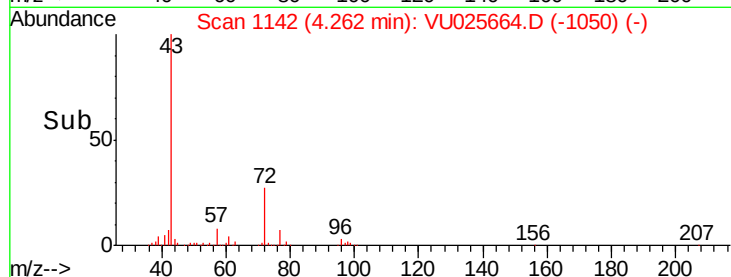
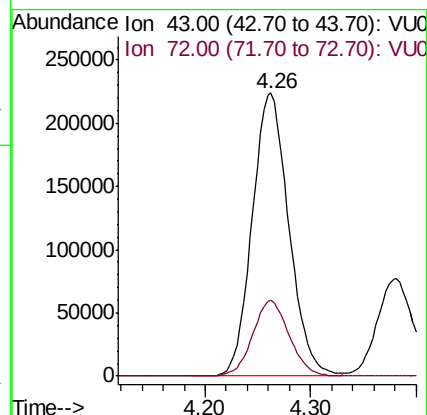
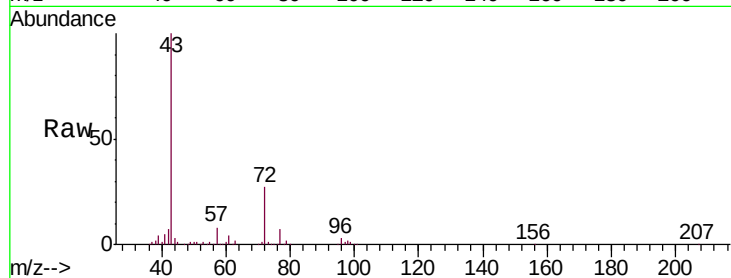




#25
2-Butanone
Concen: 257.18 ug/l
RT: 4.26 min Scan# 1142
Delta R.T. -0.00 min
Lab File: VU025664.D
Acq: 27 Jul 2018 12:56

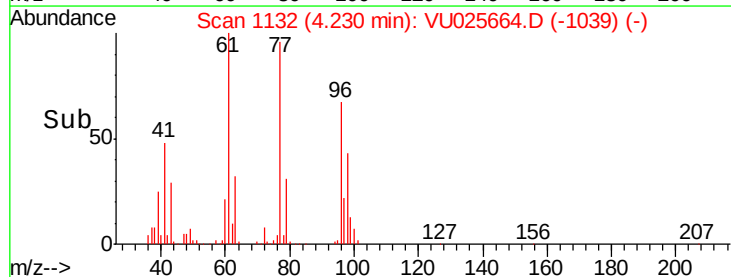
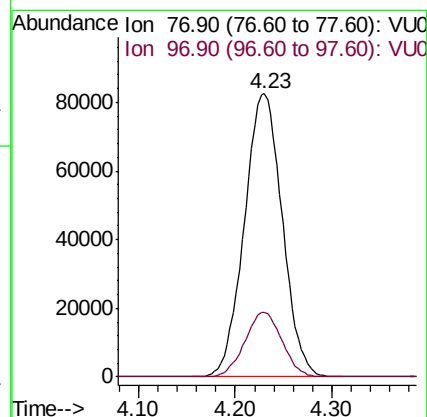
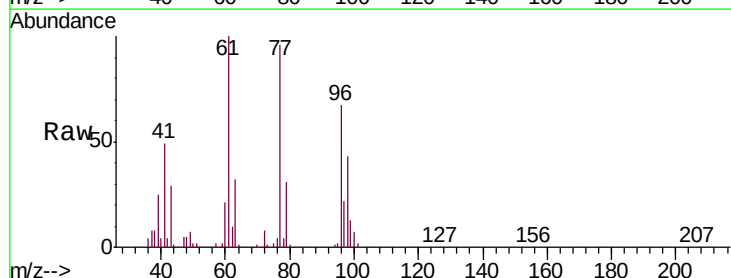
Instrument :
MSVOA_U
ClientSampleId :
ICVVU072718

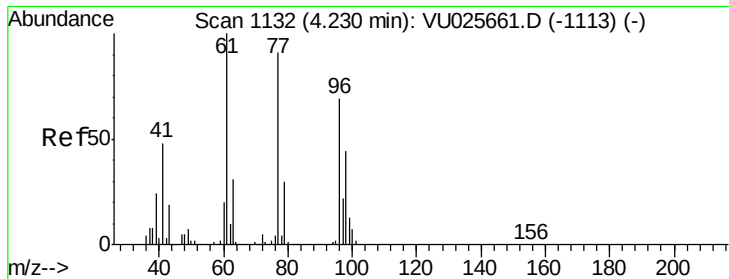
Tot Ion: 43 Resp: 540050
Ion Ratio Lower Upper
43 100
72 27.1 21.0 31.4



#26
2,2-Dichloropropane
Concen: 53.32 ug/l
RT: 4.23 min Scan# 1132
Delta R.T. 0.00 min
Lab File: VU025664.D
Acq: 27 Jul 2018 12:56

Tgt Ion: 77 Resp: 224637
Ion Ratio Lower Upper
77 100
97 22.4 11.2 33.5





#27

cis-1,2-Dichloroethene

Concen: 51.28 ug/l

RT: 4.23 min Scan# 1131

Delta R.T. -0.00 min

Lab File: VU025664.D

Acq: 27 Jul 2018 12:56

Instrument :

MSVOA_U

ClientSampleId :

ICVVU072718

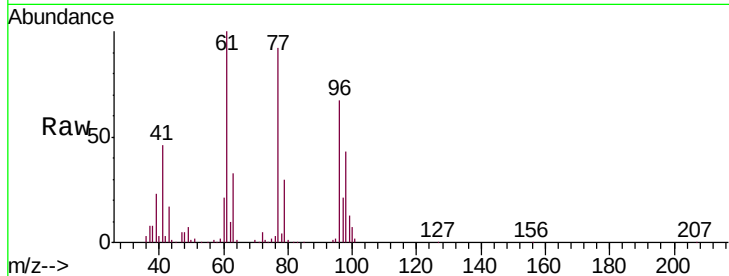
Tot Ion: 96 Resp: 145727

Ion Ratio Lower Upper

96 100

61 149.4 0.0 299.8

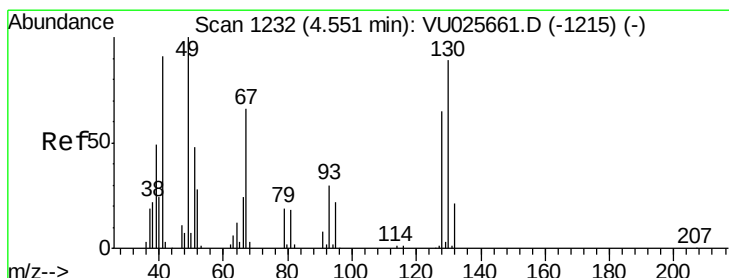
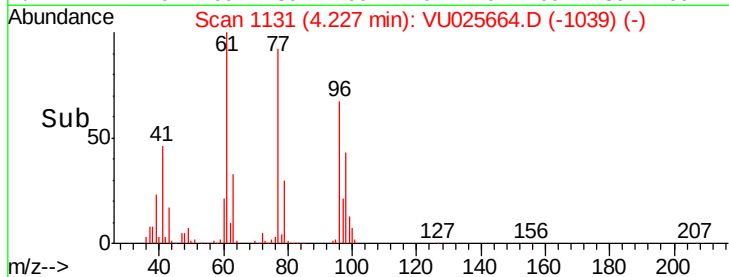
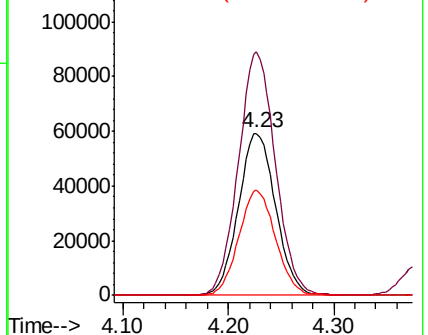
98 64.2 0.0 128.6



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: 54.92 ug/l

RT: 4.55 min Scan# 1231

Delta R.T. -0.00 min

Lab File: VU025664.D

Acq: 27 Jul 2018 12:56

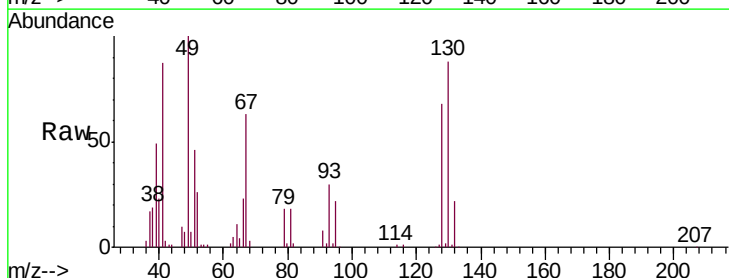
Tgt Ion: 49 Resp: 113822

Ion Ratio Lower Upper

49 100

129 2.0 0.0 4.6

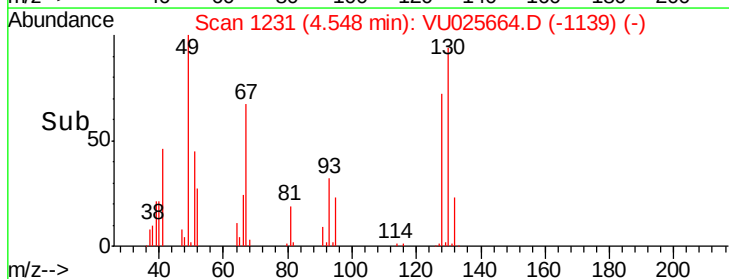
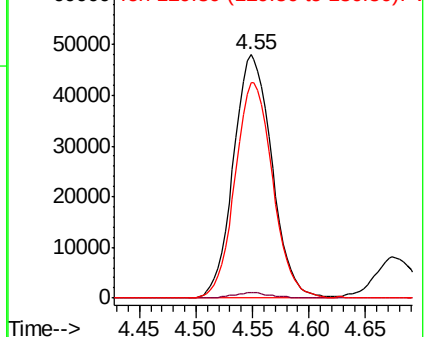
130 86.8 68.6 102.8

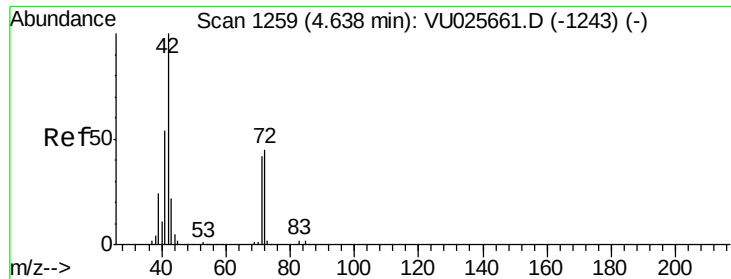


Abundance Ion 48.90 (48.60 to 49.60): VU0

Ion 128.80 (128.50 to 129.50): V

Ion 129.80 (129.50 to 130.50): V

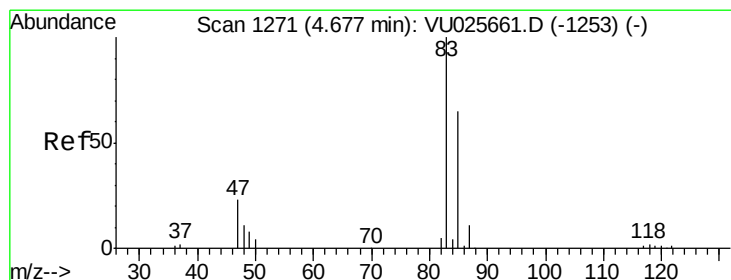
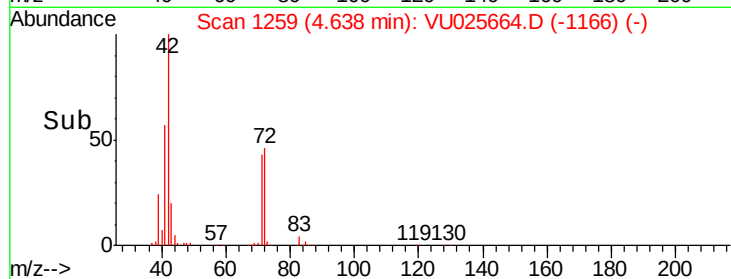
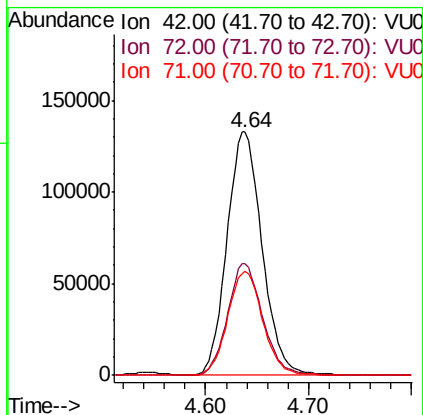
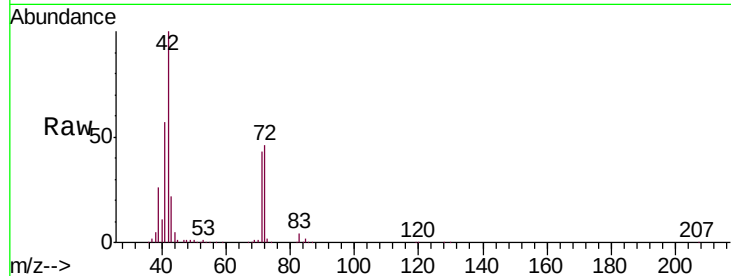




#29
Tetrahydrofuran
Concen: 248.31 ug/l
RT: 4.64 min Scan# 1259
Delta R.T. 0.00 min
Lab File: VU025664.D
Acq: 27 Jul 2018 12:56

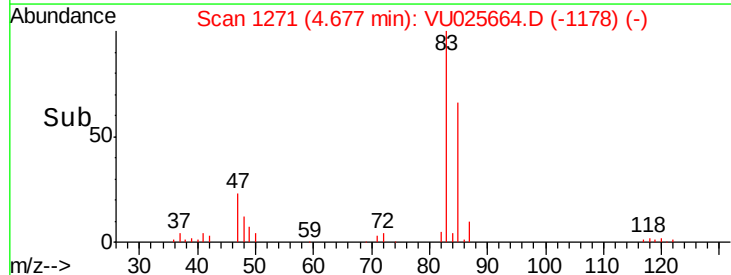
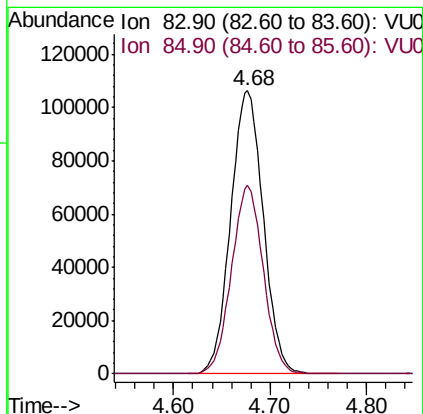
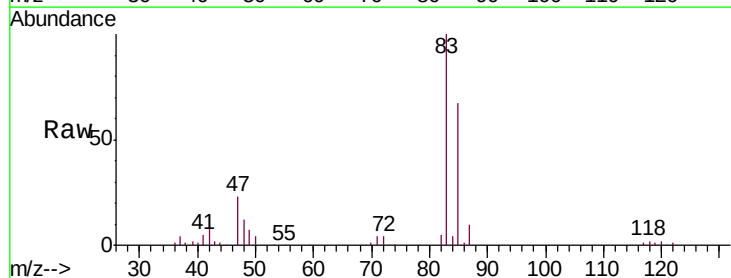
Instrument :
MSVOA_U
ClientSampleId :
ICVVU072718

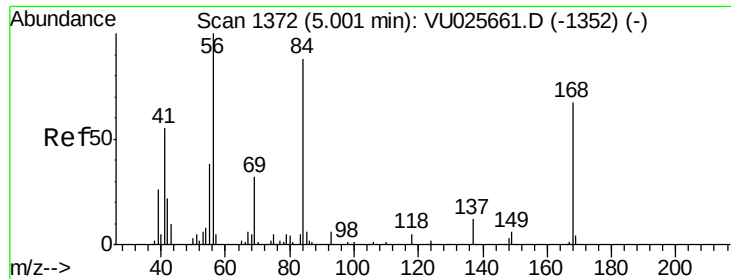
Tot Ion: 42 Resp: 312389
Ion Ratio Lower Upper
42 100
72 46.2 36.7 55.1
71 43.0 33.9 50.9



#30
Chloroform
Concen: 50.77 ug/l
RT: 4.68 min Scan# 1271
Delta R.T. 0.00 min
Lab File: VU025664.D
Acq: 27 Jul 2018 12:56

Tgt Ion: 83 Resp: 248399
Ion Ratio Lower Upper
83 100
85 66.6 51.5 77.3

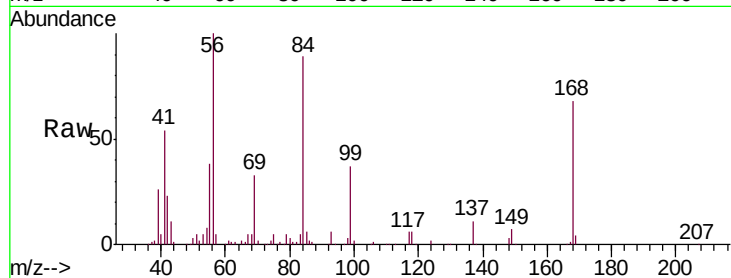




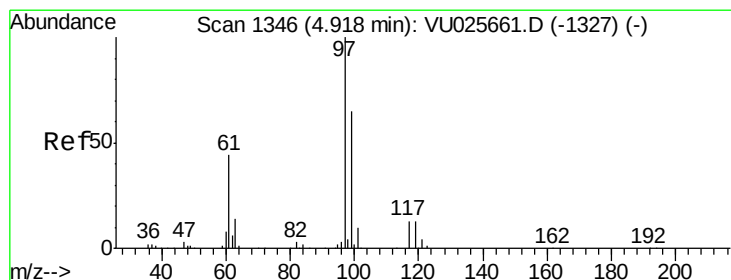
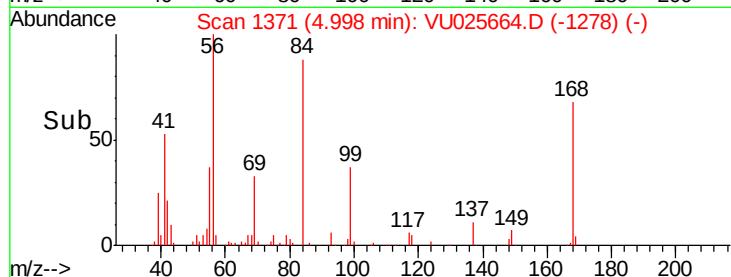
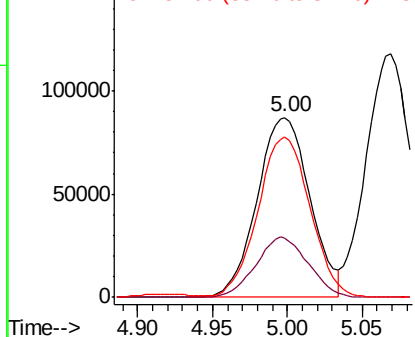
#31
Cyclohexane
Concen: 53.17 ug/l
RT: 5.00 min Scan# 1371
Delta R.T. -0.00 min
Lab File: VU025664.D
Acq: 27 Jul 2018 12:56

Instrument :
MSVOA_U
ClientSampleId :
ICVVU072718

Tot Ion: 56 Resp: 214025
Ion Ratio Lower Upper
56 100
69 32.9 26.8 40.2
84 87.8 69.7 104.5

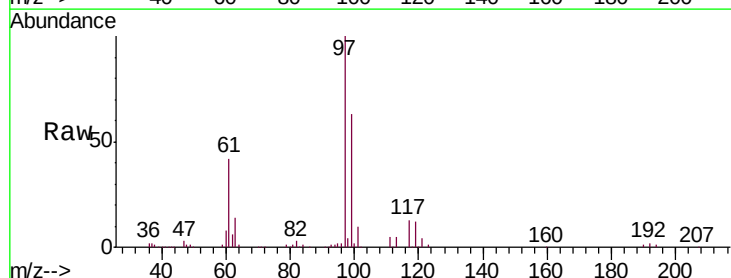


Abundance Ion 56.00 (55.70 to 56.70): VU0
Ion 69.00 (68.70 to 69.70): VU0
Ion 84.00 (83.70 to 84.70): VU0

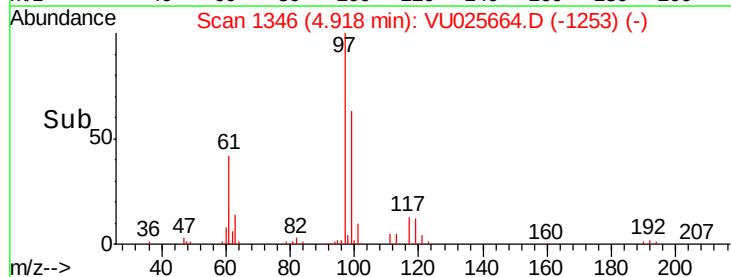
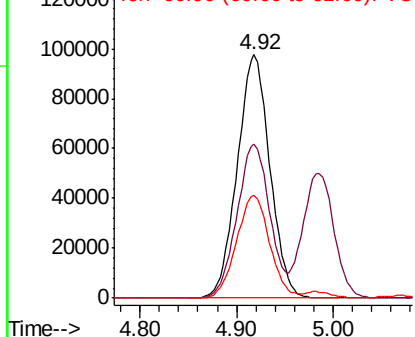


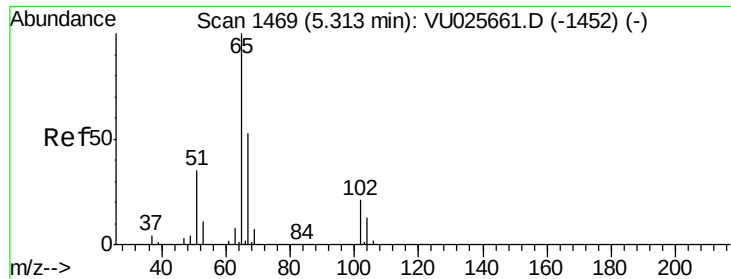
#32
1,1,1-Trichloroethane
Concen: 51.90 ug/l
RT: 4.92 min Scan# 1346
Delta R.T. 0.00 min
Lab File: VU025664.D
Acq: 27 Jul 2018 12:56

Tgt Ion: 97 Resp: 228626
Ion Ratio Lower Upper
97 100
99 64.1 50.8 76.2
61 42.9 35.2 52.8



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

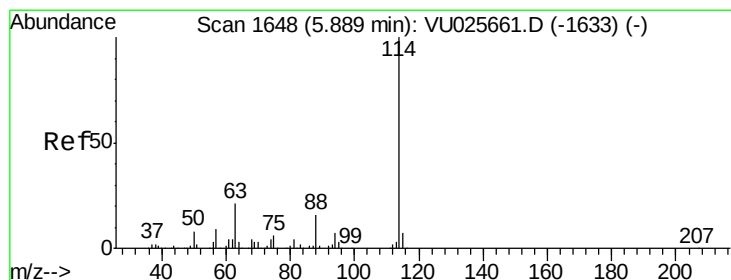
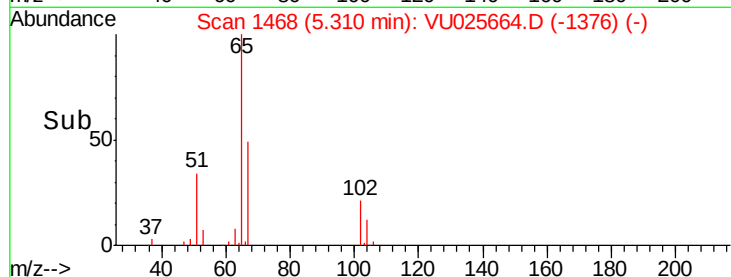
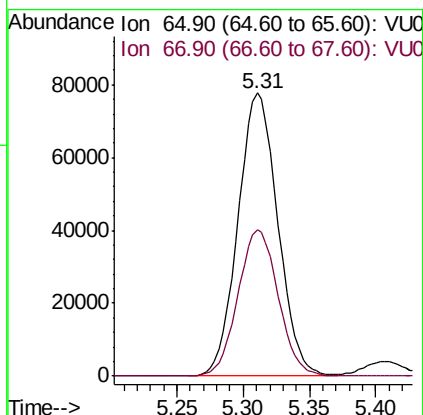
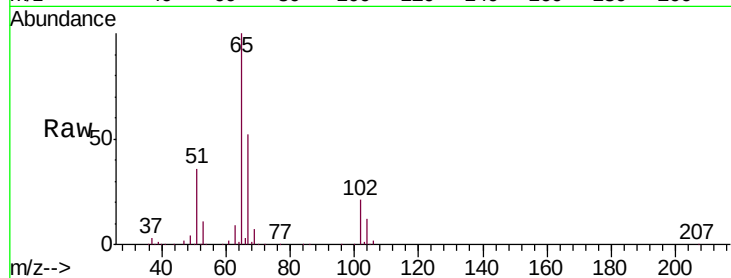




#33
 1,2-Dichloroethane-d4
 Concen: 51.47 ug/l
 RT: 5.31 min Scan# 1468
 Delta R.T. -0.00 min
 Lab File: VU025664.D
 Acq: 27 Jul 2018 12:56

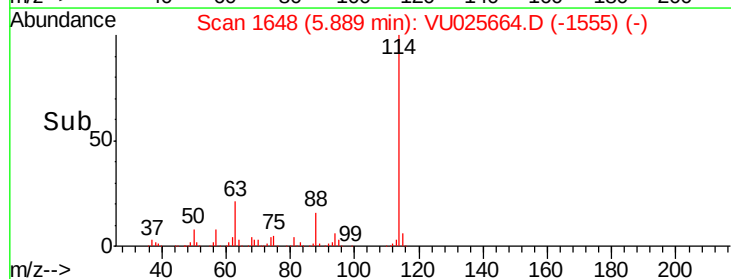
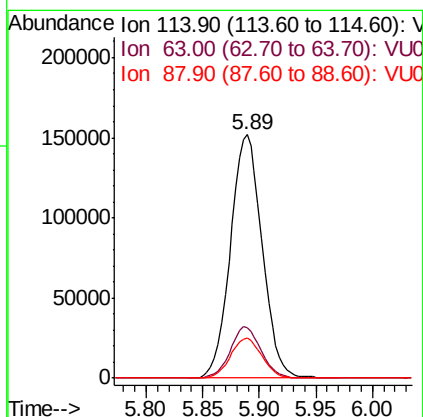
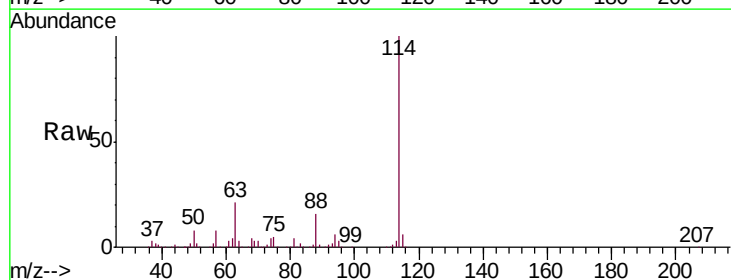
Instrument :
 MSVOA_U
 ClientSampleId :
 ICVVU072718

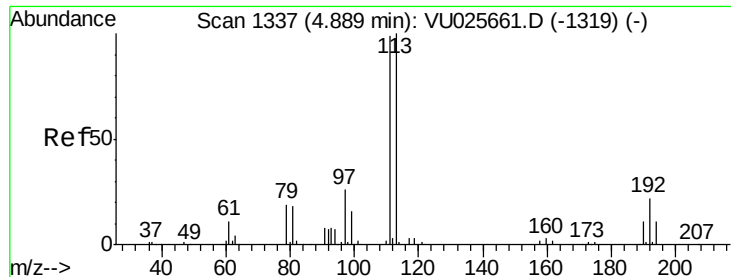
Tot Ion: 65 Resp: 162842
 Ion Ratio Lower Upper
 65 100
 67 52.1 0.0 103.6



#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 5.89 min Scan# 1648
 Delta R.T. 0.00 min
 Lab File: VU025664.D
 Acq: 27 Jul 2018 12:56

Tgt Ion: 114 Resp: 295709
 Ion Ratio Lower Upper
 114 100
 63 20.8 0.0 41.6
 88 16.3 0.0 32.4

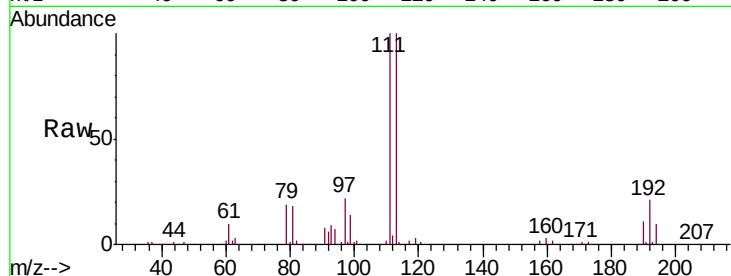




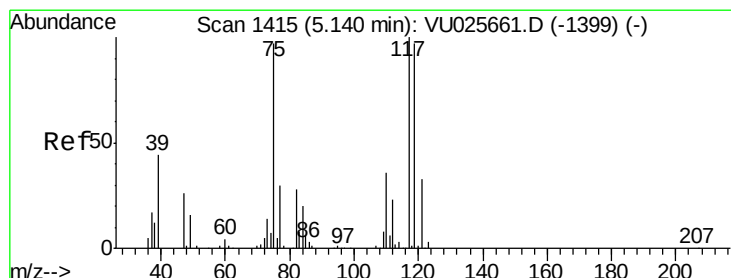
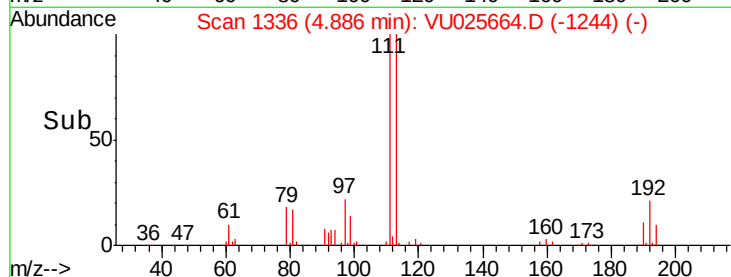
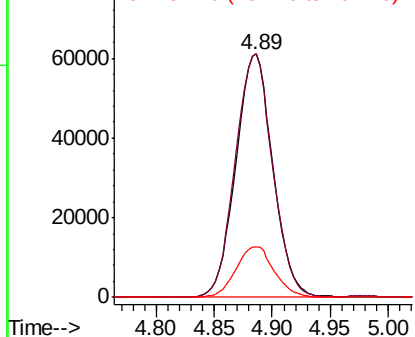
#35
 Dibromofluoromethane
 Concen: 52.75 ug/l
 RT: 4.89 min Scan# 1336
 Delta R.T. -0.00 min
 Lab File: VU025664.D
 Acq: 27 Jul 2018 12:56

Instrument :
 MSVOA_U
 ClientSampleId :
 ICVVU072718

Tot Ion:113 Resp: 135666
 Ion Ratio Lower Upper
 113 100
 111 100.7 81.7 122.5
 192 21.4 17.1 25.7

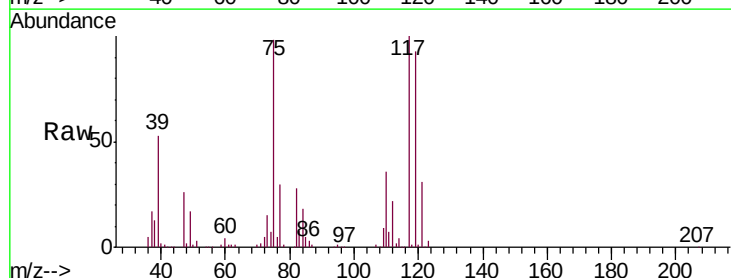


Abundance Ion 112.80 (112.50 to 113.50): V
 Ion 110.80 (110.50 to 111.50): V
 Ion 191.70 (191.40 to 192.40): V

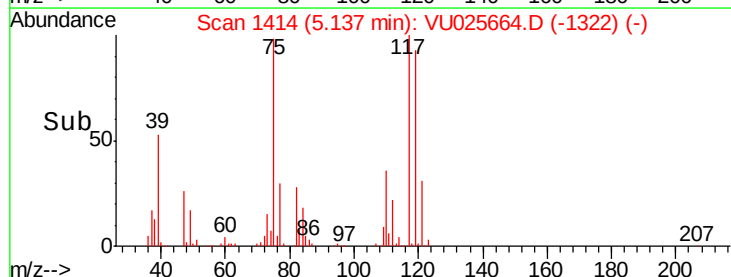
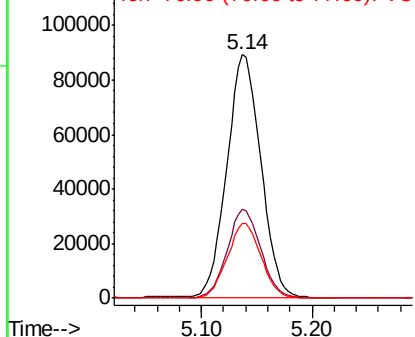


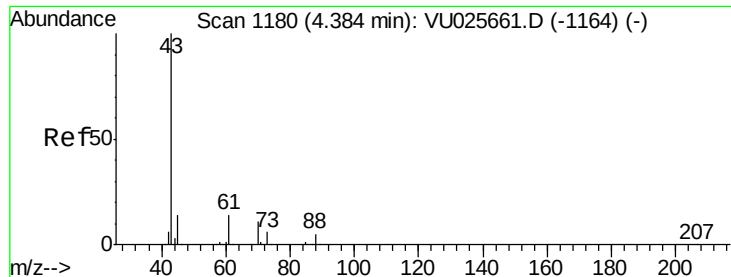
#36
 1,1-Dichloropropene
 Concen: 55.18 ug/l
 RT: 5.14 min Scan# 1414
 Delta R.T. -0.00 min
 Lab File: VU025664.D
 Acq: 27 Jul 2018 12:56

Tgt Ion: 75 Resp: 190699
 Ion Ratio Lower Upper
 75 100
 110 36.0 17.6 52.9
 77 30.0 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

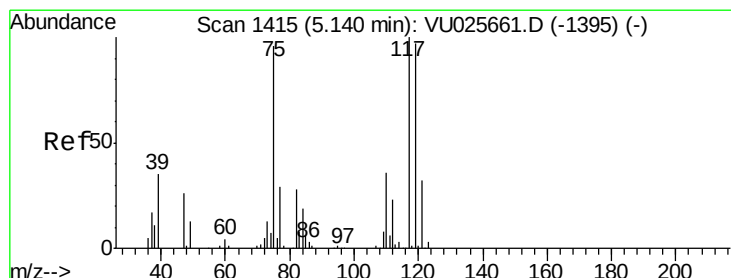
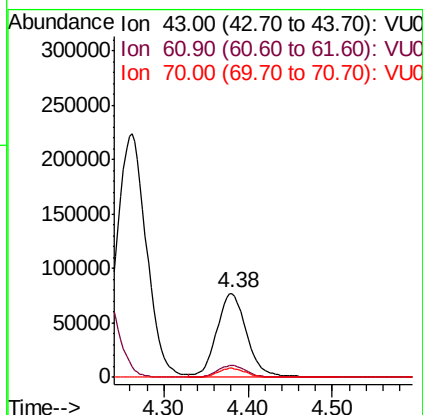
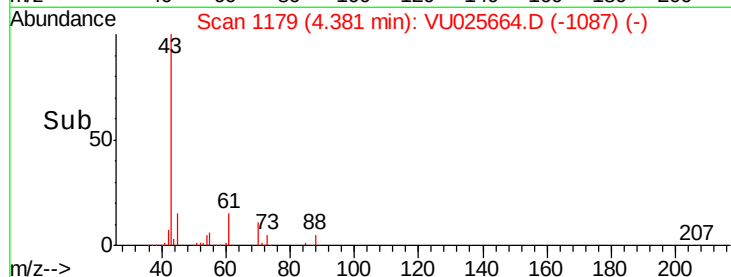
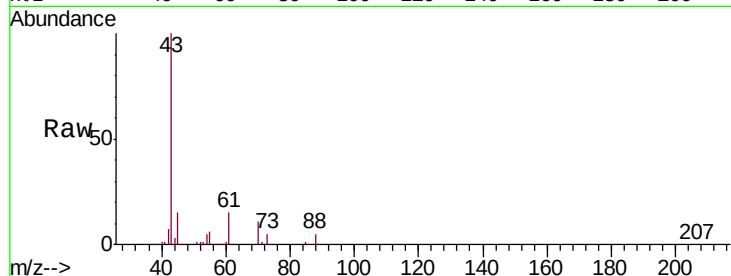




#37
Ethyl Acetate
Concen: 52.74 ug/l
RT: 4.38 min Scan# 1179
Delta R.T. -0.00 min
Lab File: VU025664.D
Acq: 27 Jul 2018 12:56

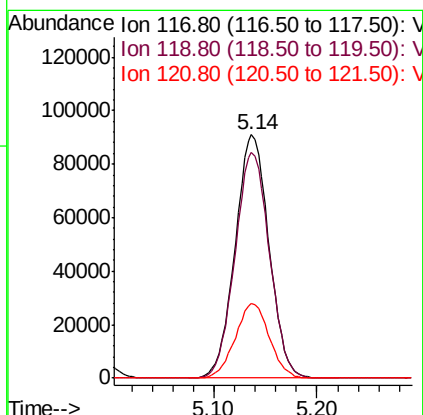
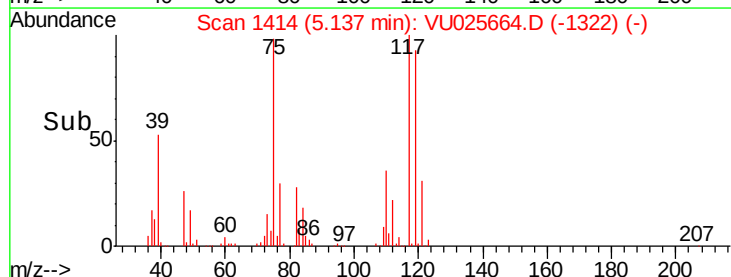
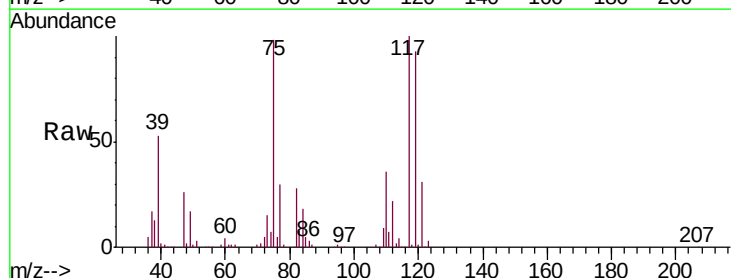
Instrument :
MSVOA_U
ClientSampled :
ICVVU072718

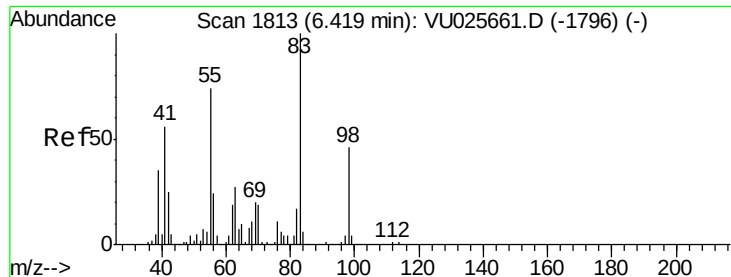
Tot Ion: 43 Resp: 189001
Ion Ratio Lower Upper
43 100
61 14.1 10.7 16.1
70 10.2 8.4 12.6



#38
Carbon Tetrachloride
Concen: 53.05 ug/l
RT: 5.14 min Scan# 1414
Delta R.T. -0.00 min
Lab File: VU025664.D
Acq: 27 Jul 2018 12:56

Tgt Ion: 117 Resp: 207669
Ion Ratio Lower Upper
117 100
119 92.7 75.7 113.5
121 30.7 24.6 36.8

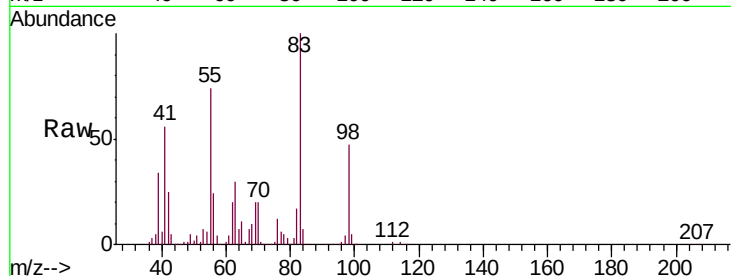




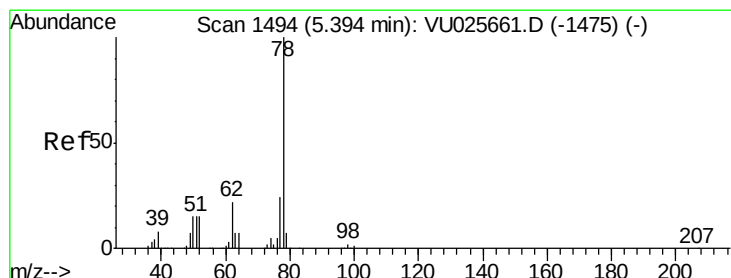
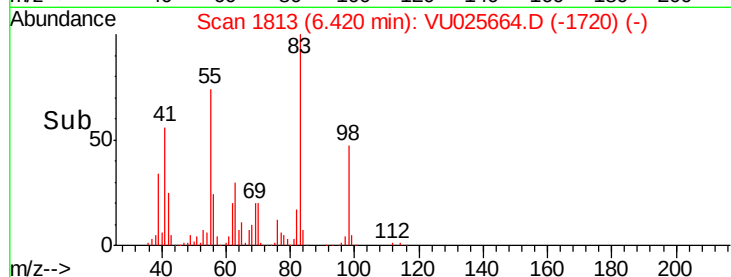
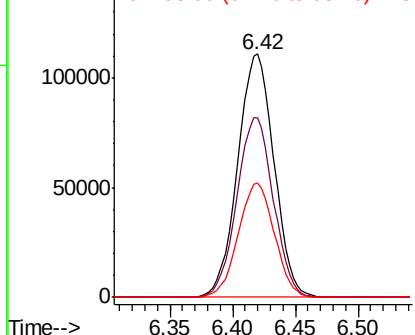
#39
Methylvlcyclohexane
Concen: 56.45 ug/l
RT: 6.42 min Scan# 1813
Delta R.T. 0.00 min
Lab File: VU025664.D
Acq: 27 Jul 2018 12:56

Instrument :
MSVOA_U
ClientSampleId :
ICVVU072718

Tot Ion: 83 Resp: 223511
Ion Ratio Lower Upper
83 100
55 74.0 60.0 90.0
98 47.0 36.1 54.1

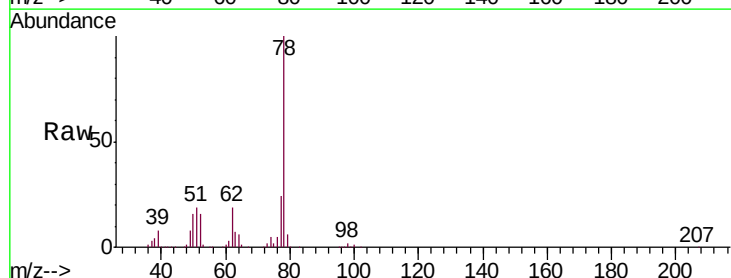


Abundance Ion 83.00 (82.70 to 83.70): VU0
Ion 55.00 (54.70 to 55.70): VU0
Ion 98.00 (97.70 to 98.70): VU0

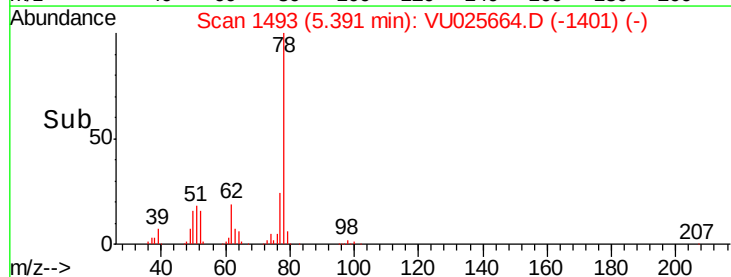
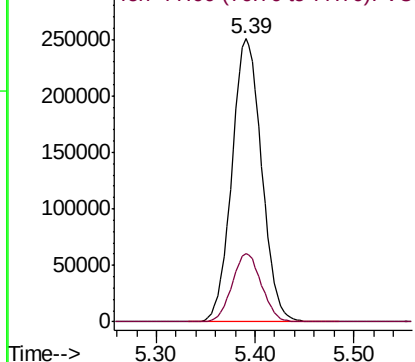


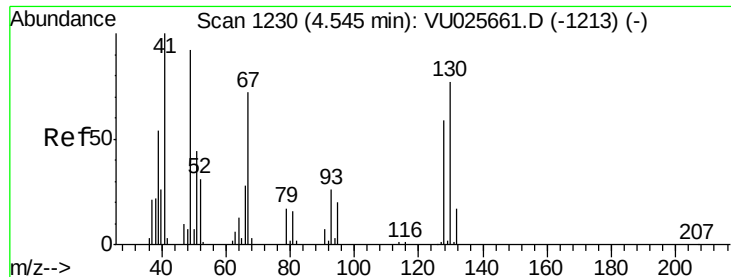
#40
Benzene
Concen: 52.10 ug/l
RT: 5.39 min Scan# 1493
Delta R.T. -0.00 min
Lab File: VU025664.D
Acq: 27 Jul 2018 12:56

Tgt Ion: 78 Resp: 526278
Ion Ratio Lower Upper
78 100
77 24.0 19.8 29.6



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

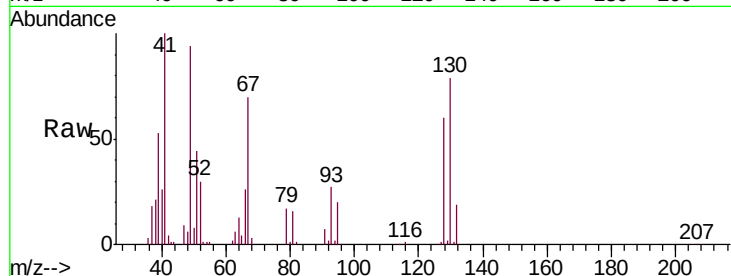




#41
Methacrylonitrile
Concen: 52.82 ug/l
RT: 4.54 min Scan# 1229
Delta R.T. -0.00 min
Lab File: VU025664.D
Acq: 27 Jul 2018 12:56

Instrument :
MSVOA_U
ClientSampleId :
ICVVU072718

Tot Ion:	41	Resp:	105130
Ion	Ratio	Lower	Upper
41	100		
39	55.2	44.4	66.6
67	72.5	56.0	84.0
52	29.5	24.6	36.8



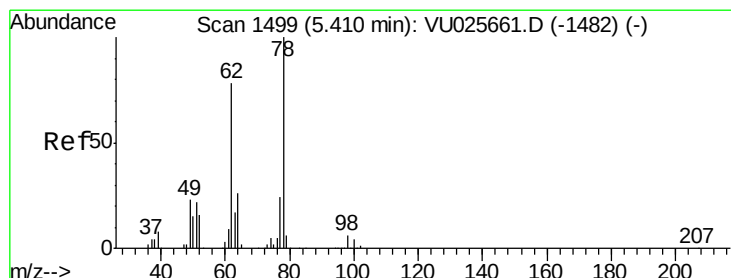
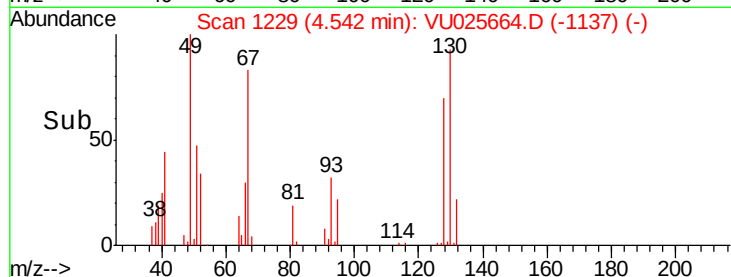
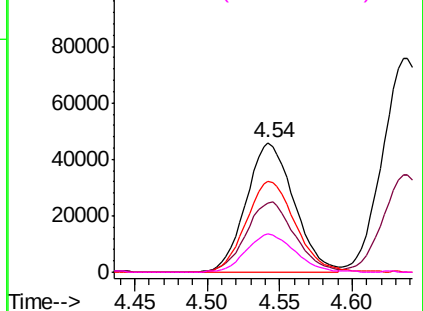
Abundance

Ion 41.00 (40.70 to 41.70): VU0

Ion 39.00 (38.70 to 39.70): VU0

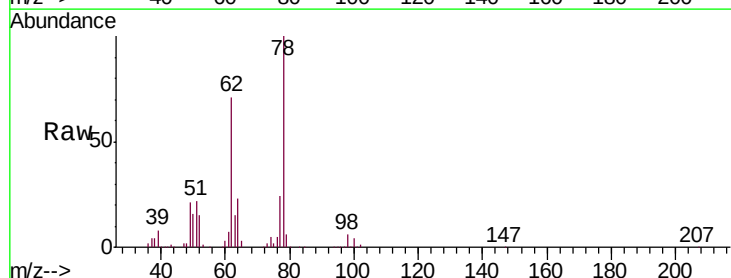
Ion 67.00 (66.70 to 67.70): VU0

Ion 52.00 (51.70 to 52.70): VU0



#42
1,2-Dichloroethane
Concen: 52.02 ug/l
RT: 5.41 min Scan# 1498
Delta R.T. -0.00 min
Lab File: VU025664.D
Acq: 27 Jul 2018 12:56

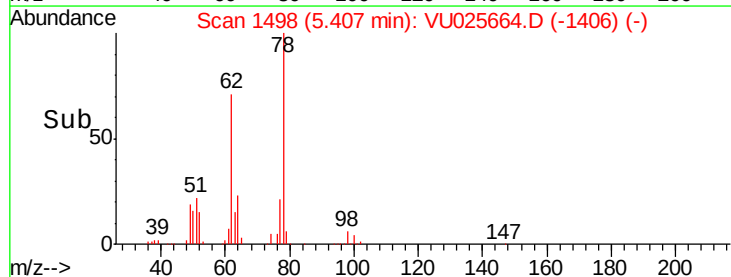
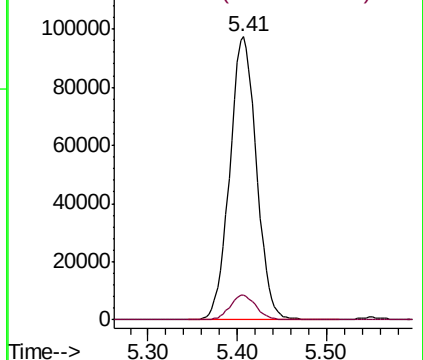
Tgt Ion:	62	Resp:	202327
Ion	Ratio	Lower	Upper
62	100		
98	8.5	0.0	16.4

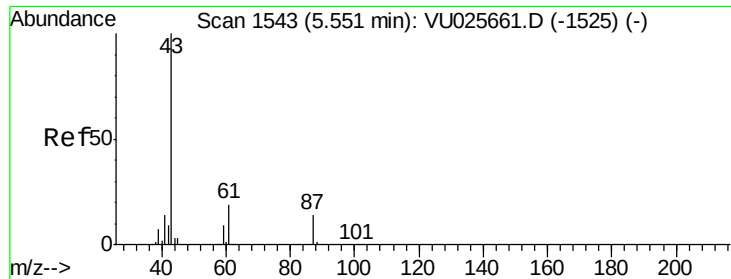


Abundance

Ion 61.90 (61.60 to 62.60): VU0

Ion 97.90 (97.60 to 98.60): VU0





#43

Isopropyl Acetate

Concen: 52.22 ug/l

RT: 5.55 min Scan# 1542

Delta R.T. -0.00 min

Lab File: VU025664.D

Acq: 27 Jul 2018 12:56

Instrument :

MSVOA_U

ClientSampleId :

ICVVU072718

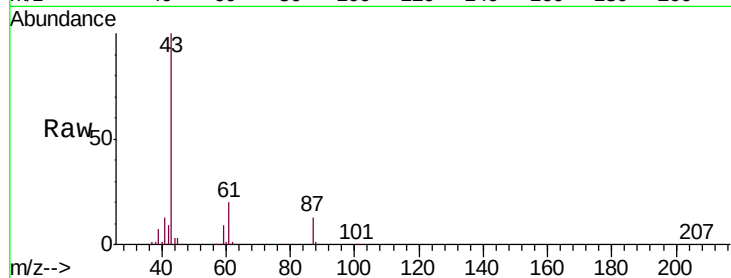
Tot Ion: 43 Resp: 309199

Ion Ratio Lower Upper

43 100

61 19.6 15.5 23.3

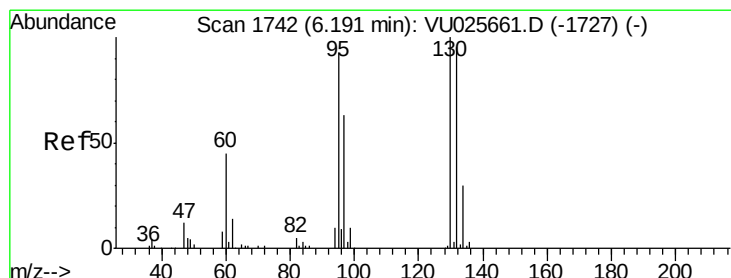
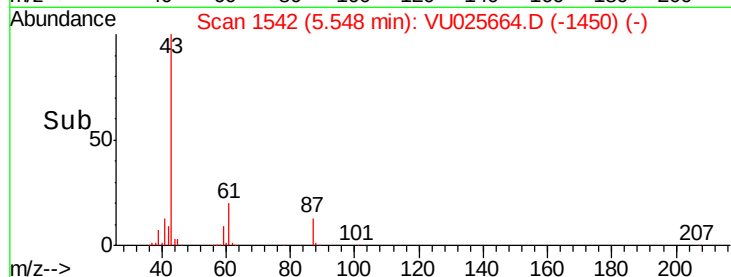
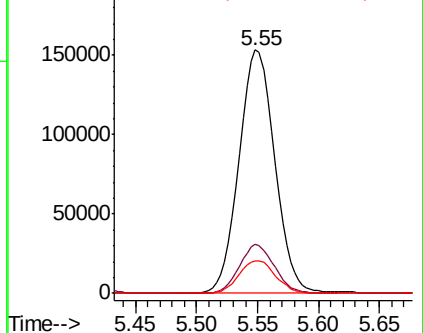
87 13.7 10.6 16.0



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

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

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



#44

Trichloroethene

Concen: 53.53 ug/l

RT: 6.19 min Scan# 1741

Delta R.T. -0.00 min

Lab File: VU025664.D

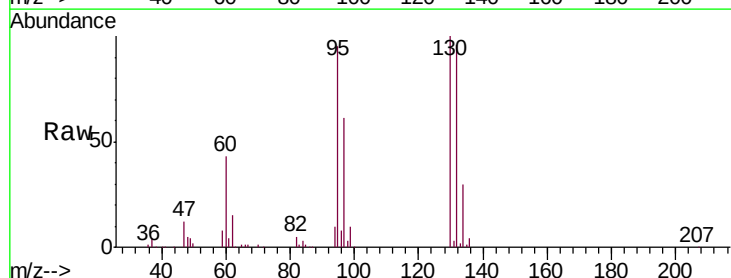
Acq: 27 Jul 2018 12:56

Tgt Ion:130 Resp: 150582

Ion Ratio Lower Upper

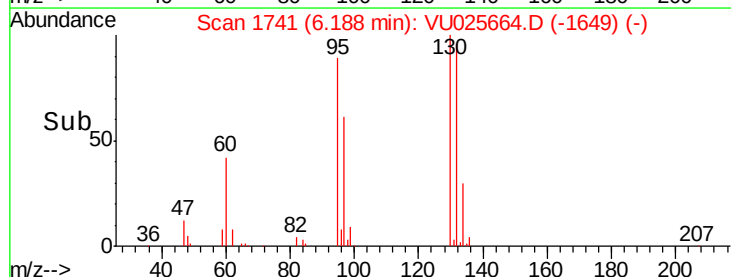
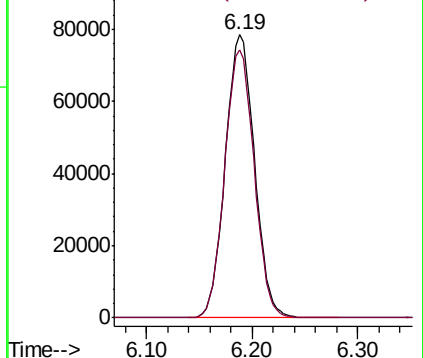
130 100

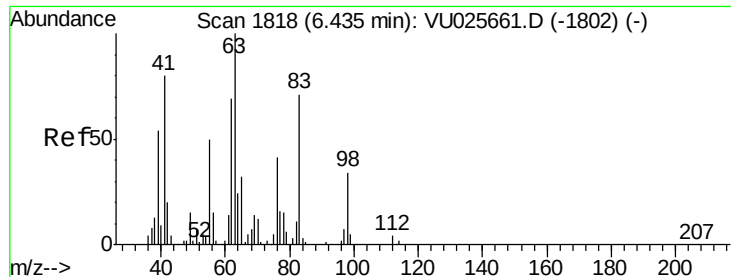
95 94.9 0.0 192.2



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

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





#45

1,2-Dichloropropane

Concen: 52.52 ug/l

RT: 6.44 min Scan# 1818

Delta R.T. 0.00 min

Lab File: VU025664.D

Acq: 27 Jul 2018 12:56

Instrument :

MSVOA_U

ClientSampleId :

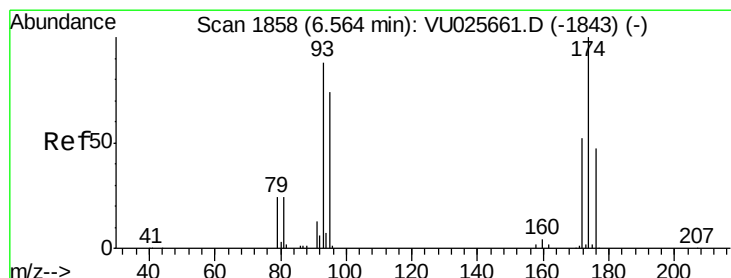
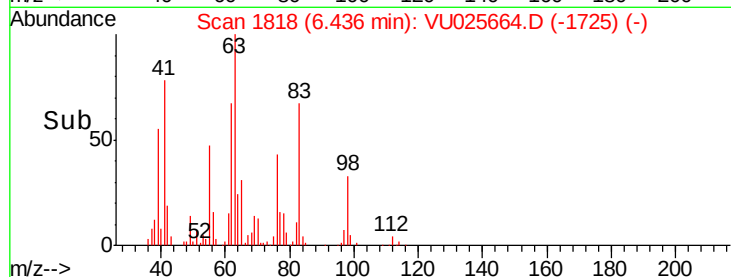
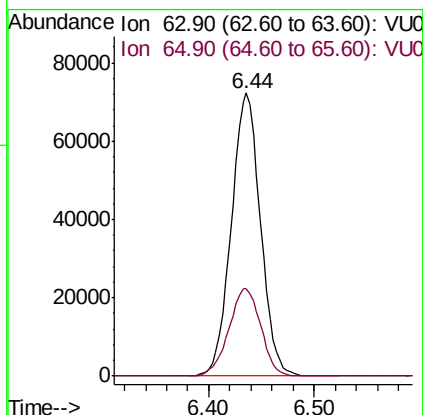
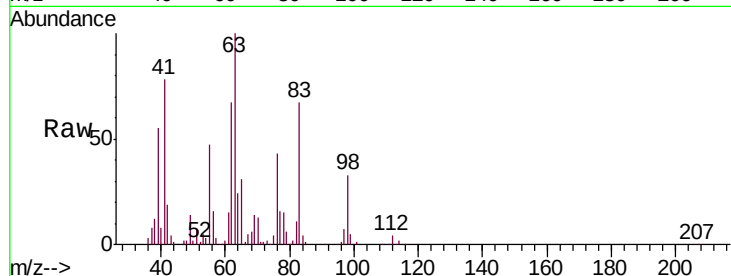
ICVVU072718

Tot Ion: 63 Resp: 138375

Ion Ratio Lower Upper

63 100

65 30.9 26.1 39.1



#46

Dibromomethane

Concen: 51.67 ug/l

RT: 6.56 min Scan# 1857

Delta R.T. -0.00 min

Lab File: VU025664.D

Acq: 27 Jul 2018 12:56

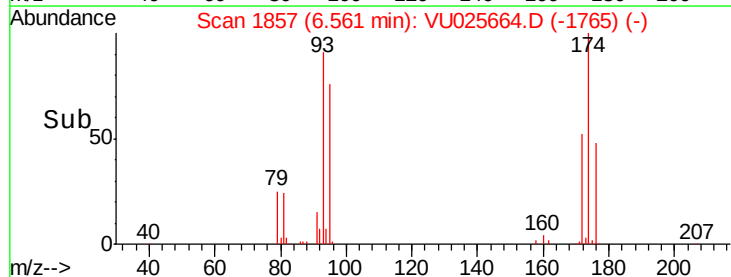
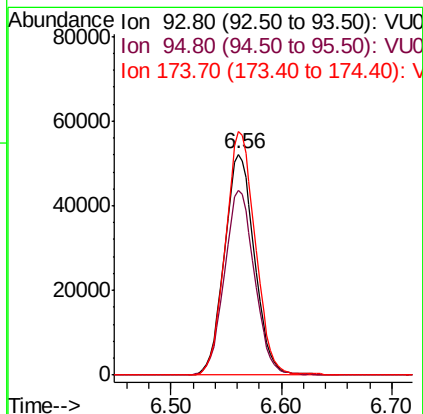
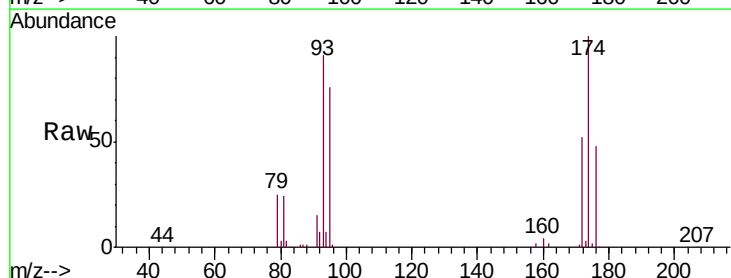
Tgt Ion: 93 Resp: 98626

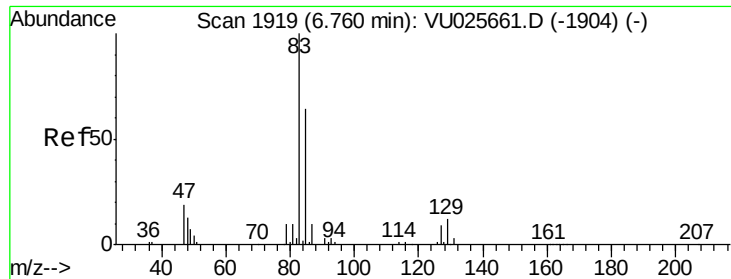
Ion Ratio Lower Upper

93 100

95 83.8 66.6 100.0

174 109.1 85.8 128.8





#47

Bromodichloromethane

Concen: 52.89 ug/l

RT: 6.76 min Scan# 1919

Delta R.T. 0.00 min

Lab File: VU025664.D

Acq: 27 Jul 2018 12:56

Instrument :

MSVOA_U

ClientSampleId :

ICVVU072718

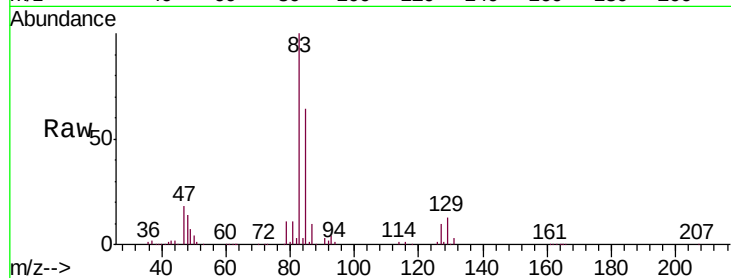
Tot Ion: 83 Resp: 192602

Ion Ratio Lower Upper

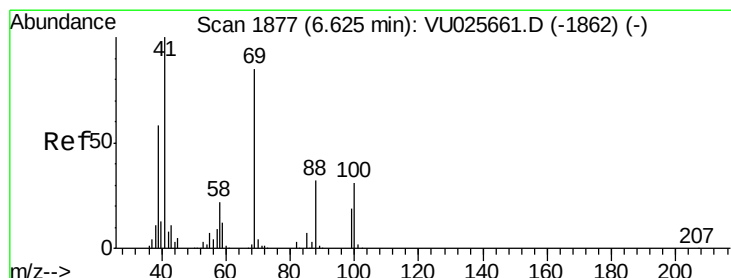
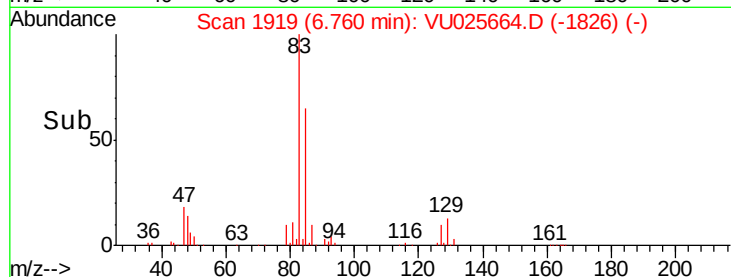
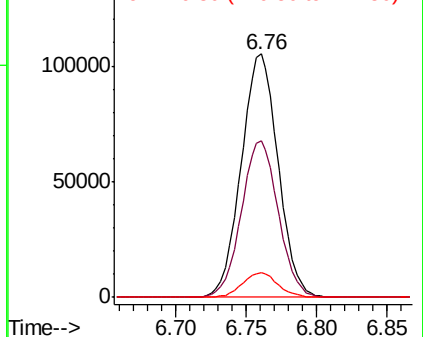
83 100

85 64.1 50.2 75.4

127 10.0 7.2 10.8



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



#48

Methyl methacrylate

Concen: 53.90 ug/l

RT: 6.62 min Scan# 1876

Delta R.T. -0.00 min

Lab File: VU025664.D

Acq: 27 Jul 2018 12:56

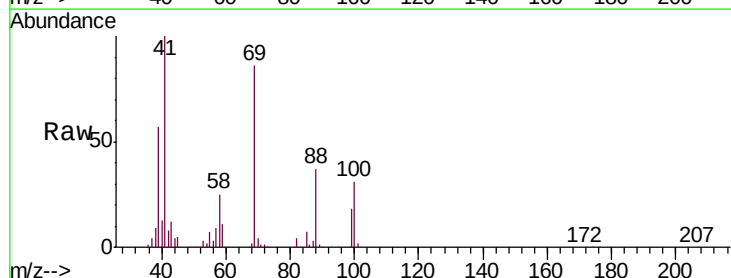
Tgt Ion: 41 Resp: 156433

Ion Ratio Lower Upper

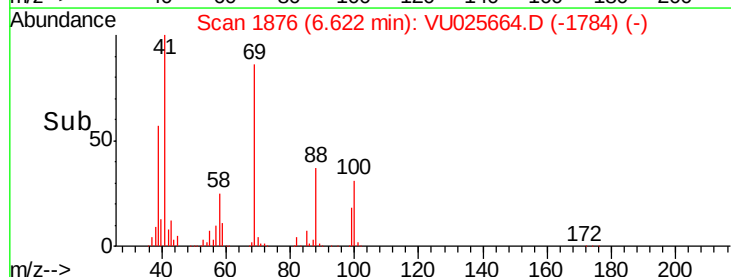
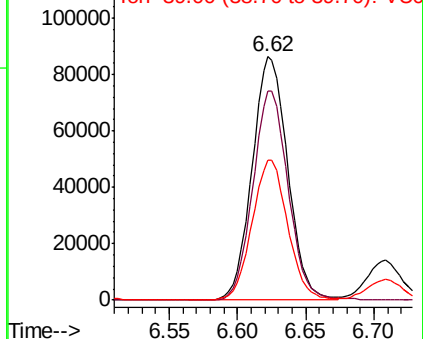
41 100

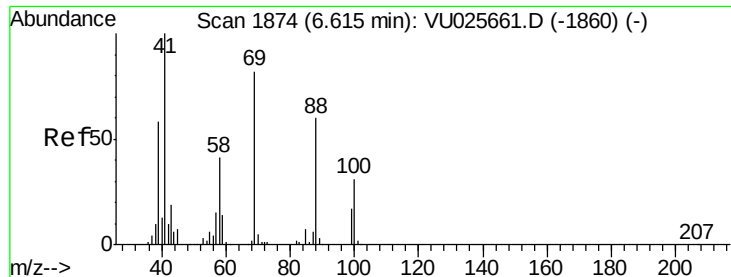
69 85.3 65.0 97.4

39 57.5 46.4 69.6



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





#49

1,4-Dioxane

Concen: 1072.46 ug/l

RT: 6.61 min Scan# 1873

Delta R.T. -0.00 min

Lab File: VU025664.D

Acq: 27 Jul 2018 12:56

Instrument :

MSVOA_U

ClientSampleId :

ICVVU072718

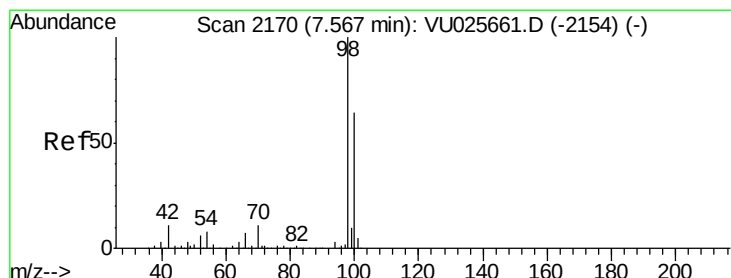
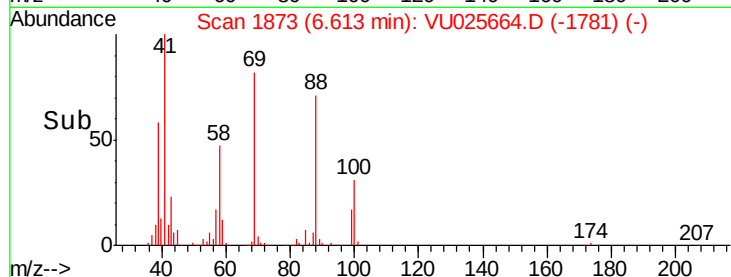
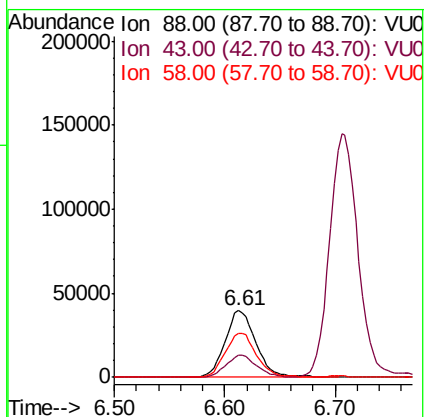
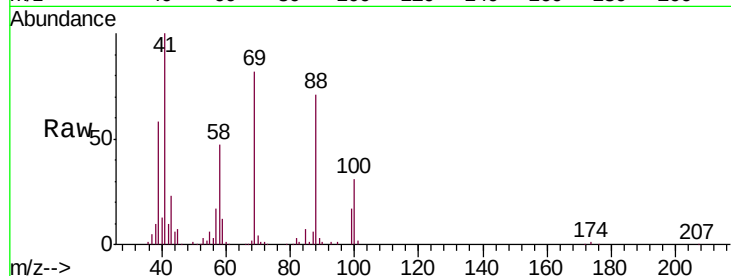
Tot Ion: 88 Resp: 75741

Ion Ratio Lower Upper

88 100

43 33.7 27.3 40.9

58 68.1 57.6 86.4



#50

Toluene-d8

Concen: 54.00 ug/l

RT: 7.57 min Scan# 2170

Delta R.T. 0.00 min

Lab File: VU025664.D

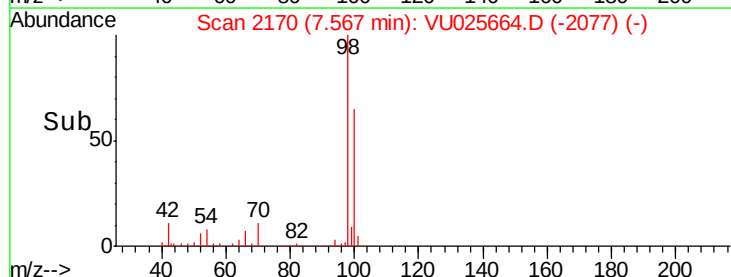
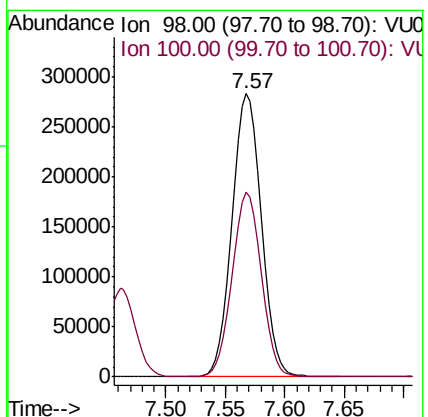
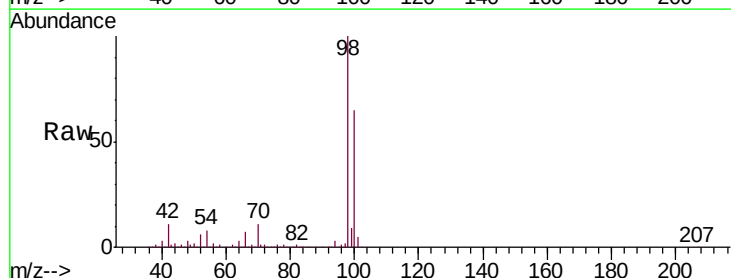
Acq: 27 Jul 2018 12:56

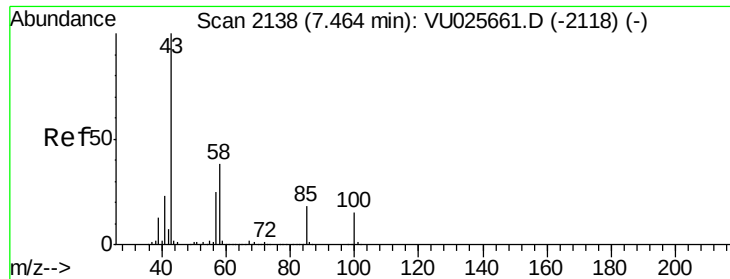
Tgt Ion: 98 Resp: 486028

Ion Ratio Lower Upper

98 100

100 64.9 51.1 76.7





#51

4-Methyl-2-Pentanone

Concen: 260.51 ug/l

RT: 7.46 min Scan# 2137

Delta R.T. -0.00 min

Lab File: VU025664.D

Acq: 27 Jul 2018 12:56

Instrument :

MSVOA_U

ClientSampleId :

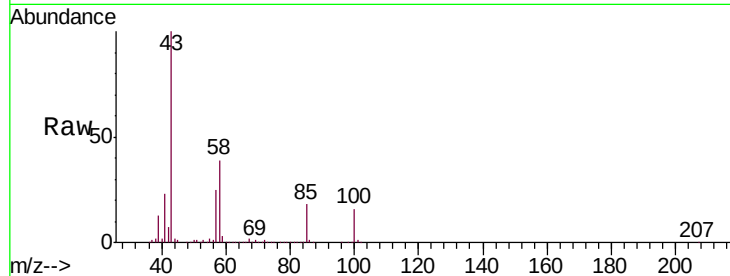
ICVVU072718

Tot Ion: 43 Resp: 965756

Ion Ratio Lower Upper

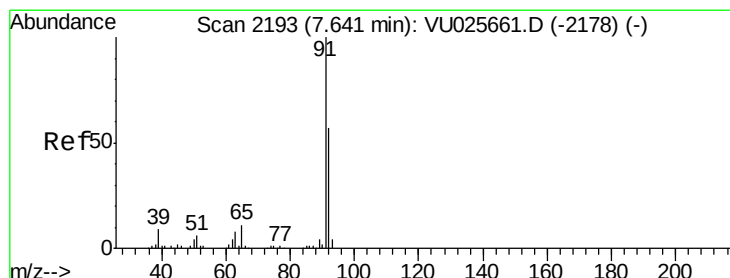
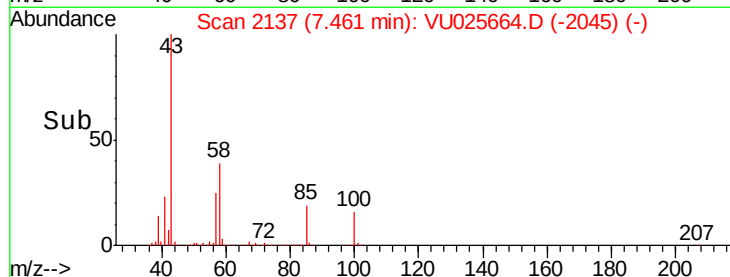
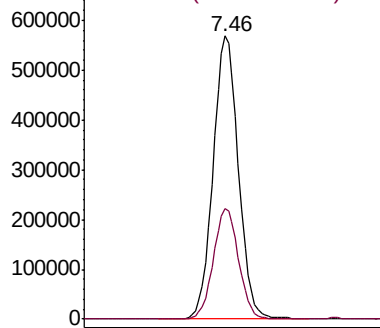
43 100

58 39.0 31.0 46.4



Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 58.00 (57.70 to 58.70): VU0



#52

Toluene

Concen: 53.54 ug/l

RT: 7.64 min Scan# 2192

Delta R.T. -0.00 min

Lab File: VU025664.D

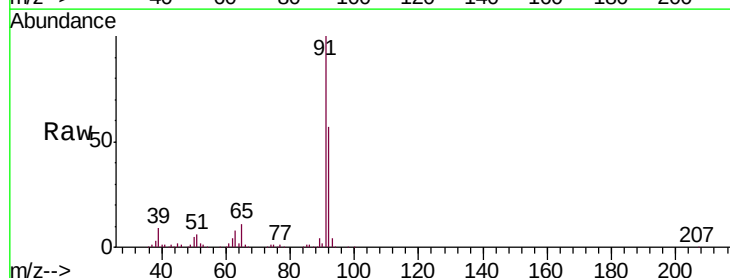
Acq: 27 Jul 2018 12:56

Tgt Ion: 92 Resp: 336008

Ion Ratio Lower Upper

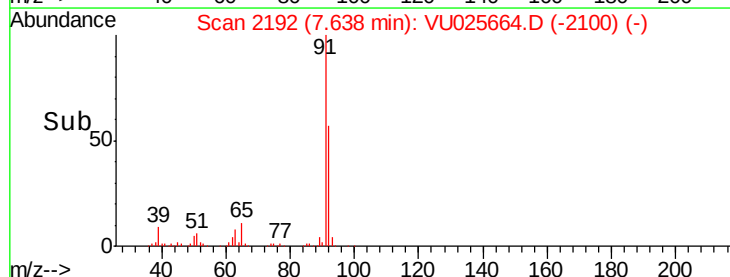
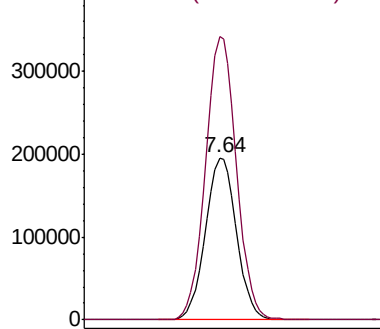
92 100

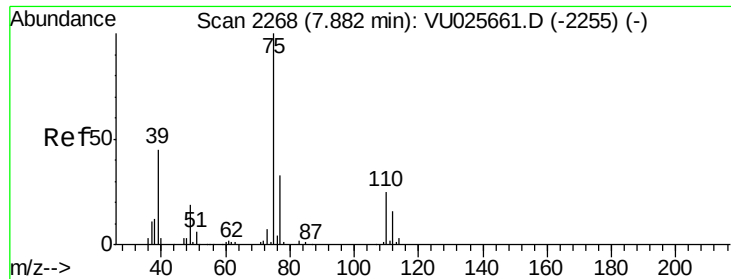
91 174.1 139.2 208.8



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: 55.51 ug/l

RT: 7.88 min Scan# 2268

Delta R.T. 0.00 min

Lab File: VU025664.D

Acq: 27 Jul 2018 12:56

Instrument :

MSVOA_U

ClientSampleId :

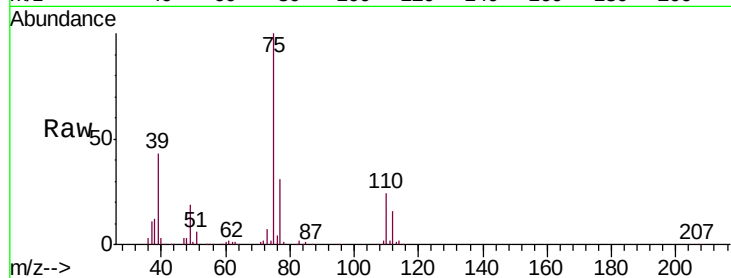
ICVVU072718

Tot Ion: 75 Resp: 226970

Ion Ratio Lower Upper

75 100

77 31.1 24.5 36.7



Abundance Ion 74.90 (74.60 to 75.60): VU0

Ion 76.90 (76.60 to 77.60): VU0

7.88

150000

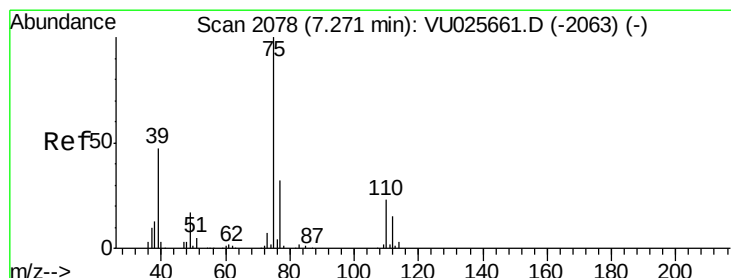
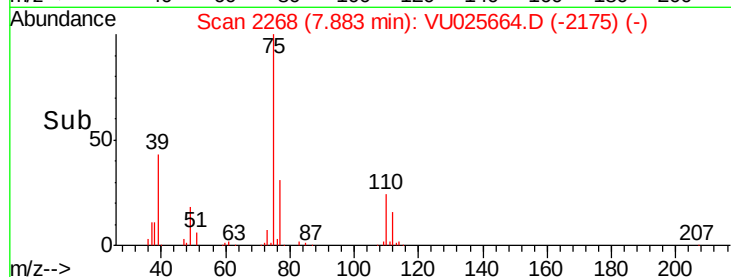
100000

50000

0

7.80 7.90 8.00

Time-->



#54

cis-1,3-Dichloropropene

Concen: 55.00 ug/l

RT: 7.27 min Scan# 2078

Delta R.T. 0.00 min

Lab File: VU025664.D

Acq: 27 Jul 2018 12:56

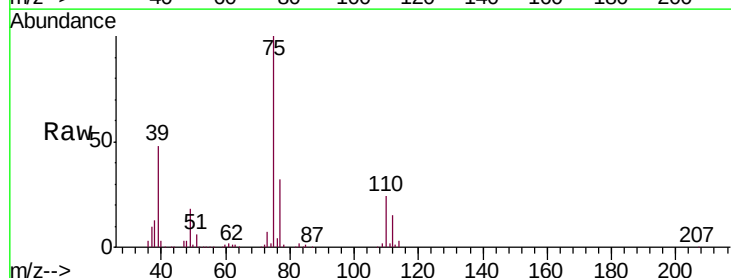
Tgt Ion: 75 Resp: 230981

Ion Ratio Lower Upper

75 100

77 32.3 25.6 38.4

39 47.5 40.0 60.0



Abundance Ion 74.90 (74.60 to 75.60): VU0

Ion 76.90 (76.60 to 77.60): VU0

Ion 39.00 (38.70 to 39.70): VU0

7.27

150000

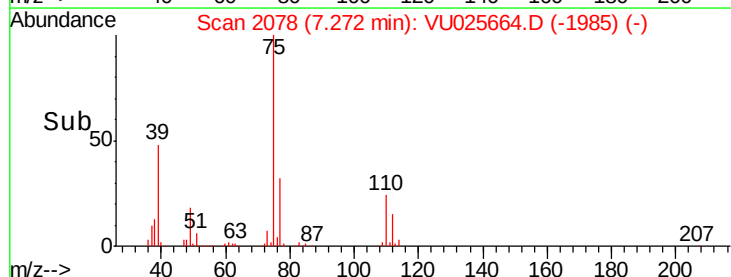
100000

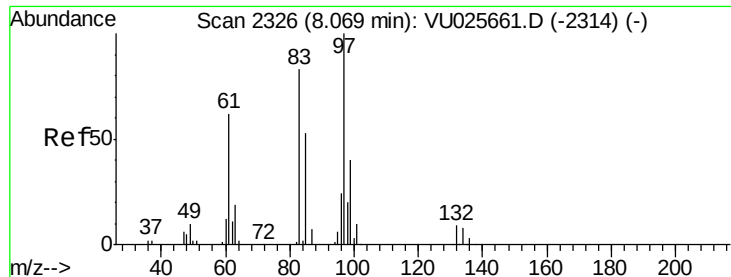
50000

0

7.20 7.25 7.30 7.35

Time-->

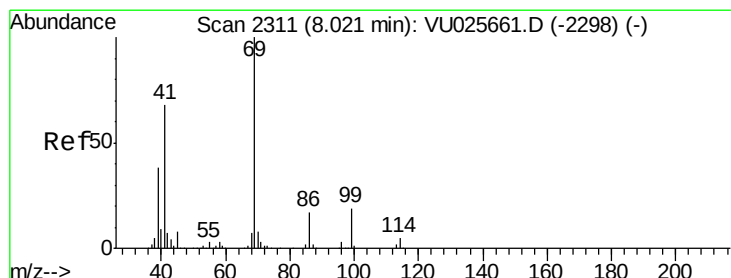
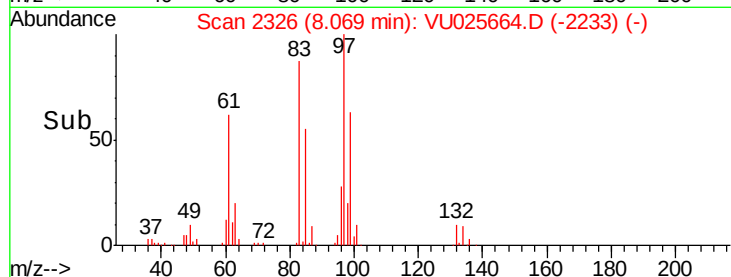
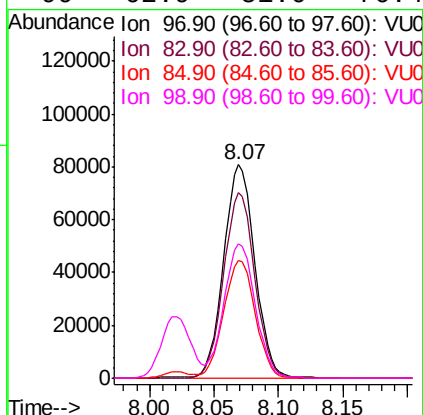
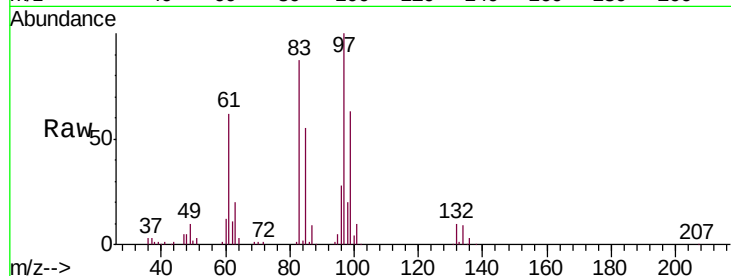




#55
 1,1,2-Trichloroethane
 Concen: 52.13 ug/l
 RT: 8.07 min Scan# 2326
 Delta R.T. 0.00 min
 Lab File: VU025664.D
 Acq: 27 Jul 2018 12:56

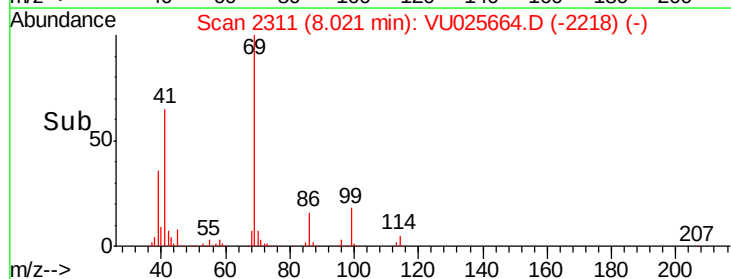
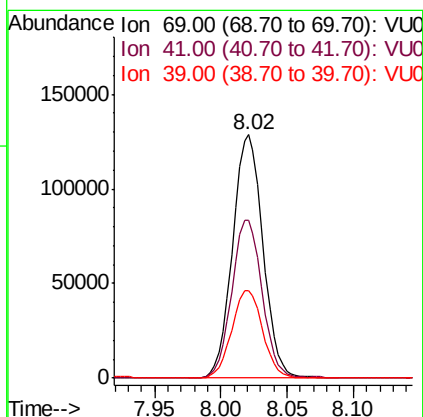
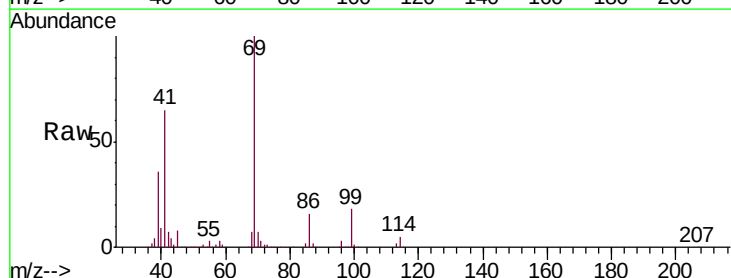
Instrument :
 MSVOA_U
 ClientSampleId :
 ICVVU072718

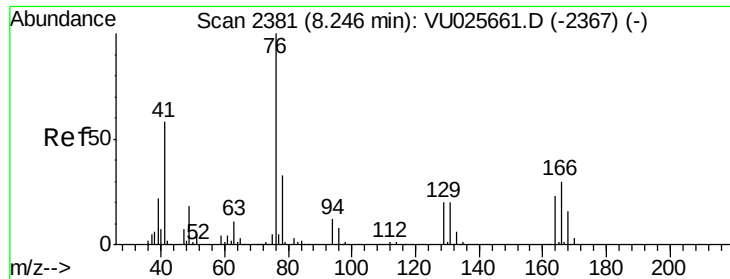
Tot Ion:	97	Resp:	135945
Ion	Ratio	Lower	Upper
97	100		
83	86.9	68.9	103.3
85	55.4	44.4	66.6
99	62.9	51.0	76.4



#56
 Ethyl methacrylate
 Concen: 55.01 ug/l
 RT: 8.02 min Scan# 2311
 Delta R.T. 0.00 min
 Lab File: VU025664.D
 Acq: 27 Jul 2018 12:56

Tgt Ion:	69	Resp:	204980
Ion	Ratio	Lower	Upper
69	100		
41	65.0	54.8	82.2
39	36.3	31.1	46.7

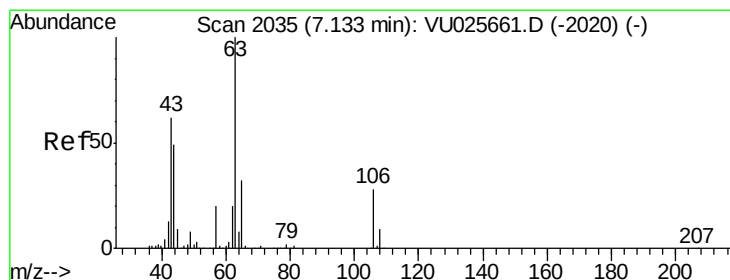
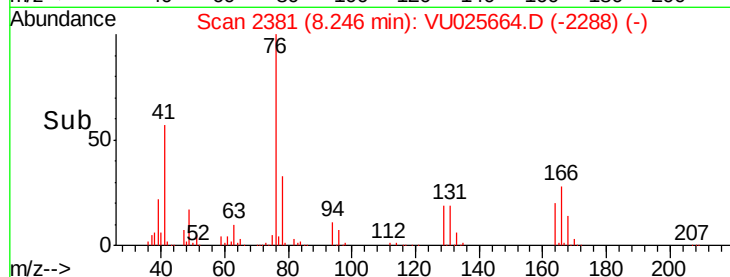
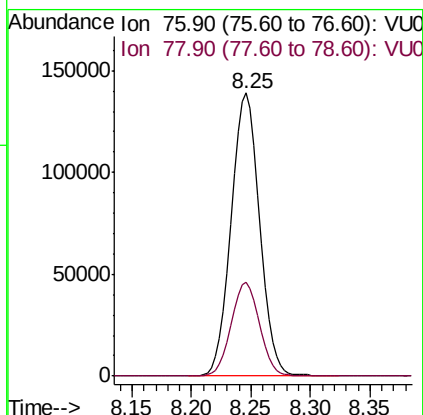
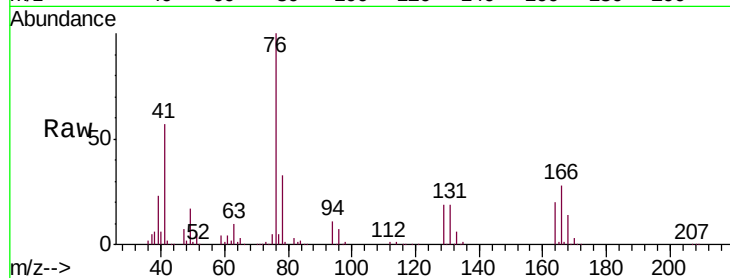




#57
 1,3-Dichloropropane
 Concen: 52.71 ug/l
 RT: 8.25 min Scan# 2381
 Delta R.T. 0.00 min
 Lab File: VU025664.D
 Acq: 27 Jul 2018 12:56

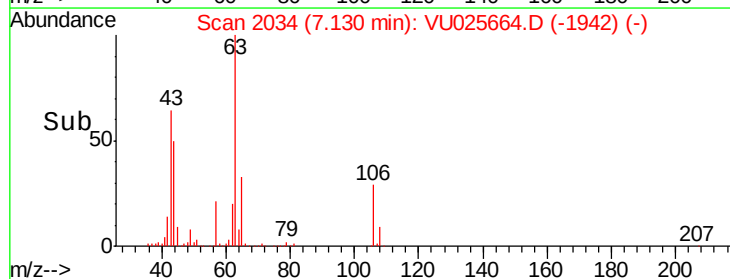
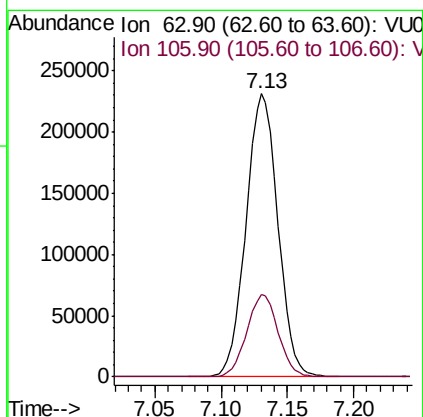
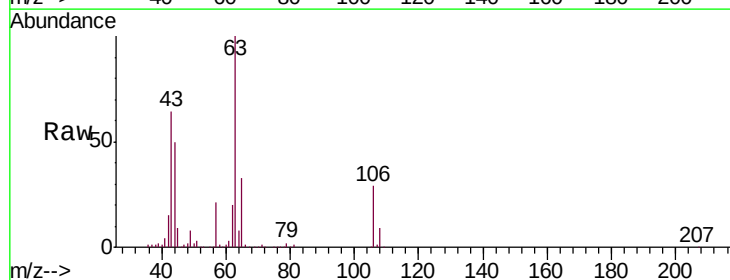
Instrument :
 MSVOA_U
 ClientSampleId :
 ICVVU072718

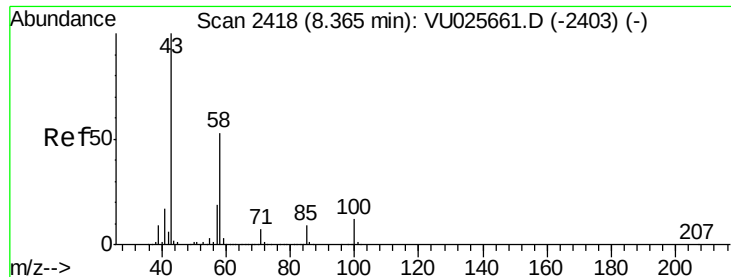
Tot Ion: 76 Resp: 231168
 Ion Ratio Lower Upper
 76 100
 78 32.8 26.1 39.1



#58
 2-Chloroethyl Vinyl ether
 Concen: 229.34 ug/l
 RT: 7.13 min Scan# 2034
 Delta R.T. -0.00 min
 Lab File: VU025664.D
 Acq: 27 Jul 2018 12:56

Tgt Ion: 63 Resp: 385974
 Ion Ratio Lower Upper
 63 100
 106 28.8 22.3 33.5

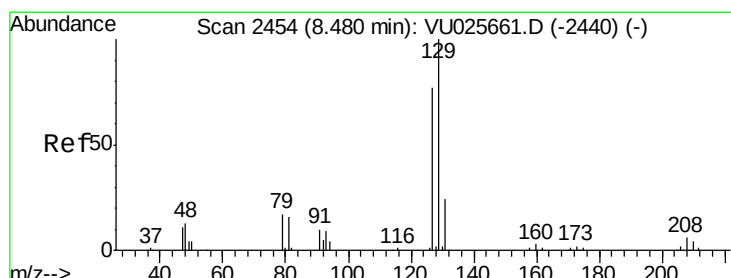
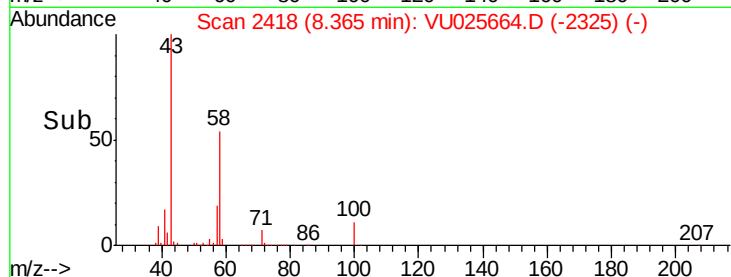
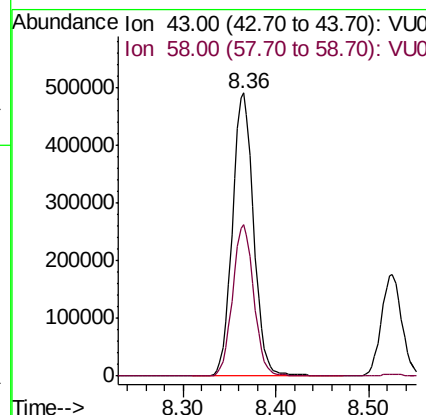
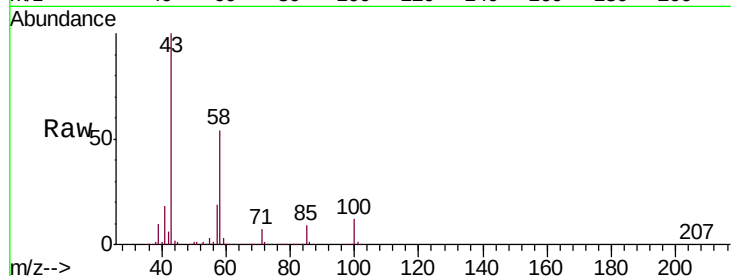




#59
2-Hexanone
Concen: 267.86 ug/l
RT: 8.36 min Scan# 2418
Delta R.T. 0.00 min
Lab File: VU025664.D
Acq: 27 Jul 2018 12:56

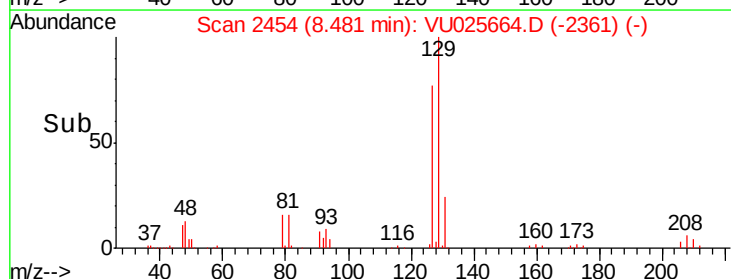
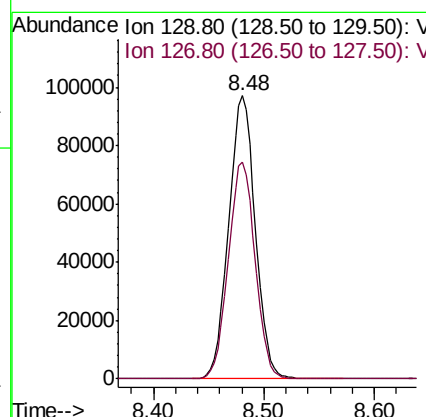
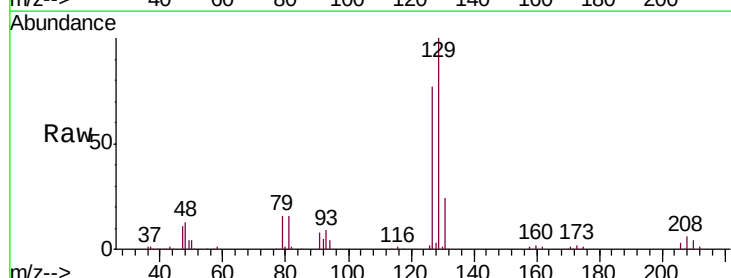
Instrument :
MSVOA_U
ClientSampleId :
ICVVU072718

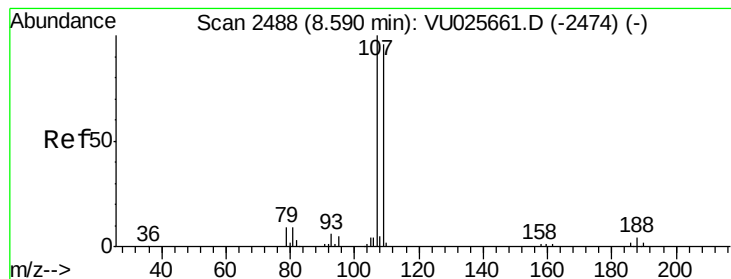
Tot Ion: 43 Resp: 778399
Ion Ratio Lower Upper
43 100
58 53.5 26.2 78.5



#60
Dibromochloromethane
Concen: 52.76 ug/l
RT: 8.48 min Scan# 2454
Delta R.T. 0.00 min
Lab File: VU025664.D
Acq: 27 Jul 2018 12:56

Tgt Ion: 129 Resp: 162273
Ion Ratio Lower Upper
129 100
127 77.2 38.6 115.8





#61

1,2-Dibromoethane

Concen: 52.77 ug/l

RT: 8.59 min Scan# 2488

Delta R.T. 0.00 min

Lab File: VU025664.D

Acq: 27 Jul 2018 12:56

Instrument :

MSVOA_U

ClientSampleId :

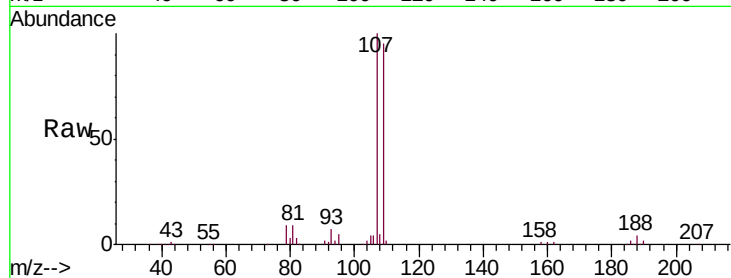
ICVVU072718

Tot Ion:107 Resp: 153045

Ion Ratio Lower Upper

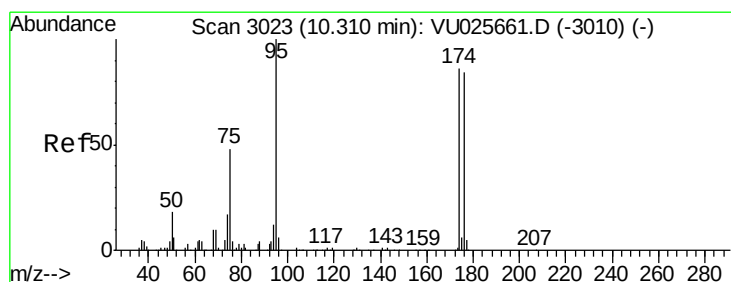
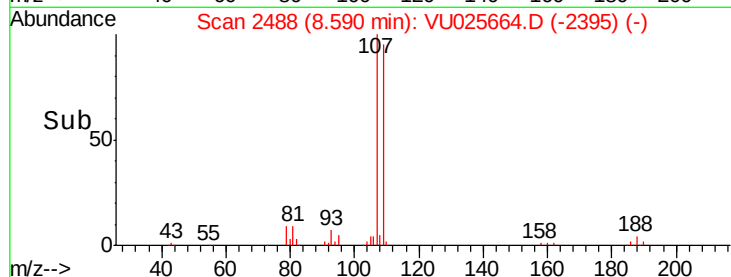
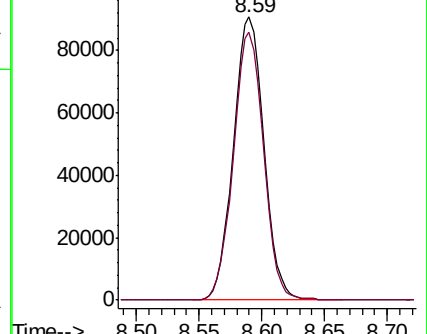
107 100

109 94.2 75.8 113.8



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V



#62

4-Bromofluorobenzene

Concen: 53.95 ug/l

RT: 10.31 min Scan# 3023

Delta R.T. 0.00 min

Lab File: VU025664.D

Acq: 27 Jul 2018 12:56

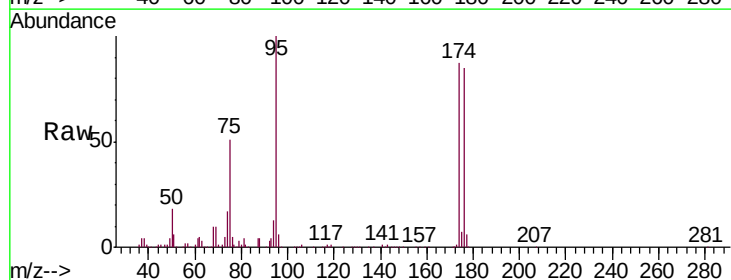
Tgt Ion: 95 Resp: 188451

Ion Ratio Lower Upper

95 100

174 87.7 0.0 172.2

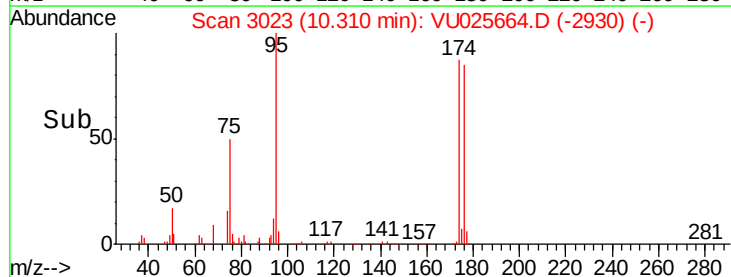
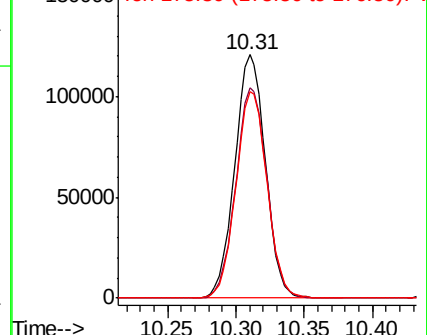
176 86.0 0.0 162.6

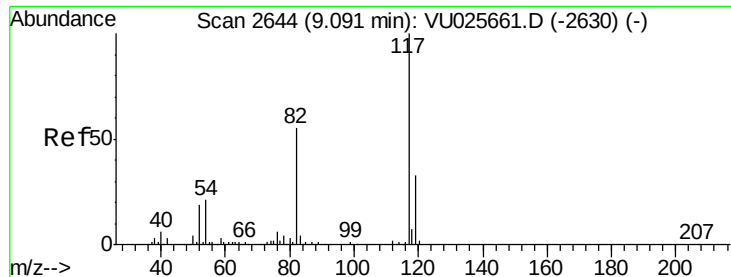


Abundance Ion 94.90 (94.60 to 95.60): VU0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

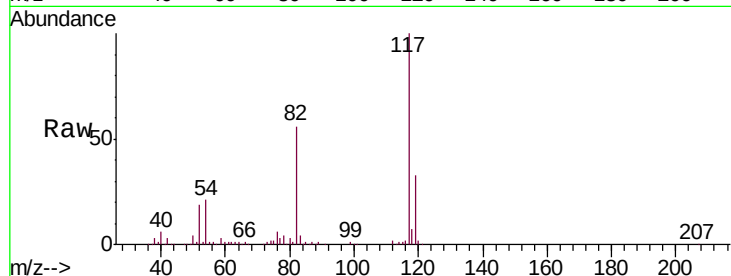




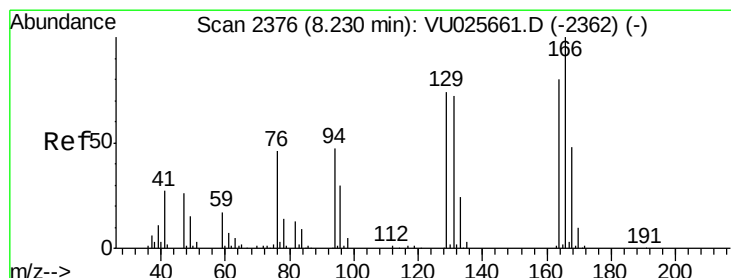
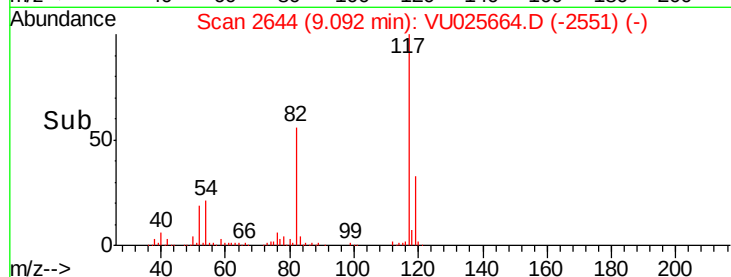
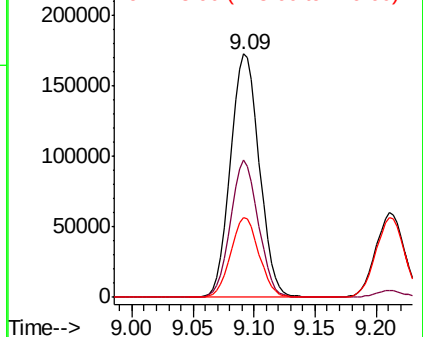
#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 9.09 min Scan# 2644
Delta R.T. 0.00 min
Lab File: VU025664.D
Acq: 27 Jul 2018 12:56

Instrument :
MSVOA_U
ClientSampleId :
ICVVU072718

Tot Ion:117 Resp: 285623
Ion Ratio Lower Upper
117 100
82 56.2 46.0 69.0
119 33.0 26.0 39.0

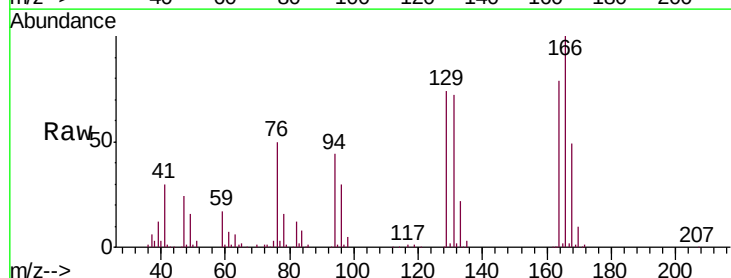


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VU0
Ion 118.90 (118.60 to 119.60): V

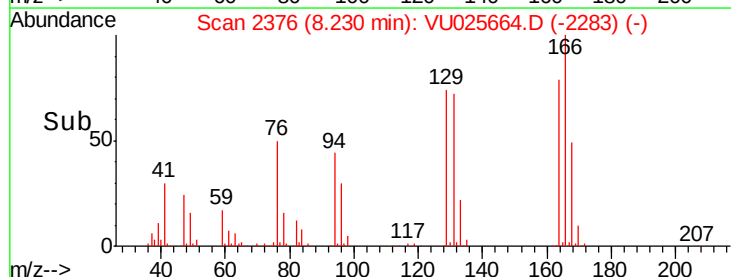
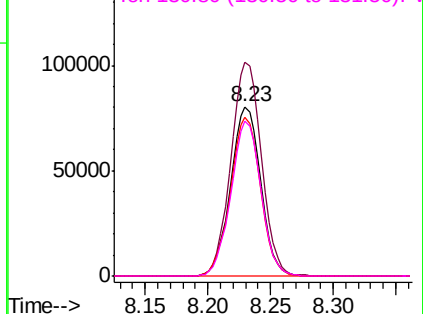


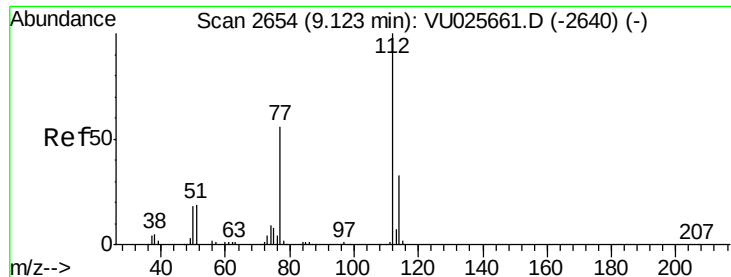
#64
Tetrachloroethene
Concen: 53.18 ug/l
RT: 8.23 min Scan# 2376
Delta R.T. 0.00 min
Lab File: VU025664.D
Acq: 27 Jul 2018 12:56

Tgt Ion:164 Resp: 133707
Ion Ratio Lower Upper
164 100
166 125.9 101.1 151.7
129 93.2 73.0 109.6
131 91.0 72.1 108.1



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





#65

Chlorobenzene

Concen: 52.78 ug/l

RT: 9.12 min Scan# 2653

Delta R.T. -0.00 min

Lab File: VU025664.D

Acq: 27 Jul 2018 12:56

Instrument :

MSVOA_U

ClientSampleId :

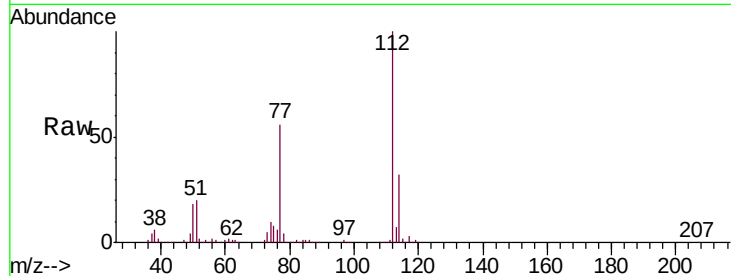
ICVVU072718

Tot Ion:112 Resp: 388650

Ion Ratio Lower Upper

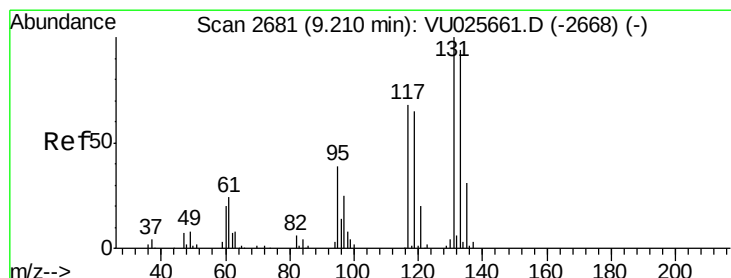
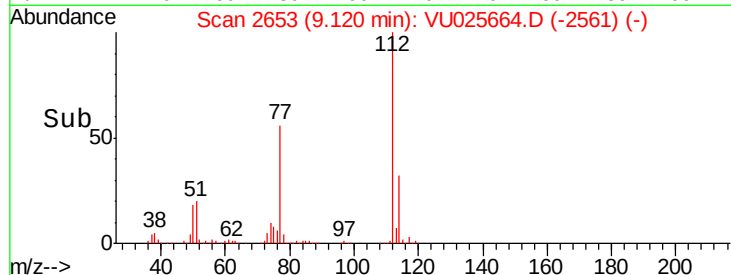
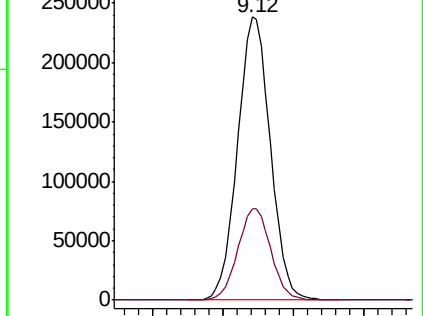
112 100

114 32.2 25.8 38.8



Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V



#66

1,1,1,2-Tetrachloroethane

Concen: 54.33 ug/l

RT: 9.21 min Scan# 2681

Delta R.T. 0.00 min

Lab File: VU025664.D

Acq: 27 Jul 2018 12:56

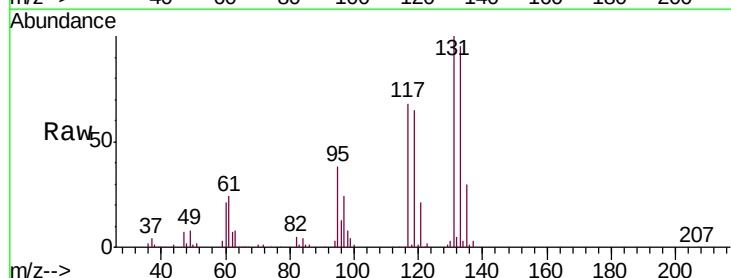
Tgt Ion:131 Resp: 144741

Ion Ratio Lower Upper

131 100

133 95.4 47.8 143.3

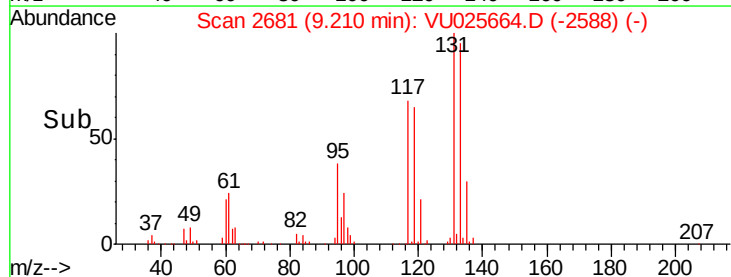
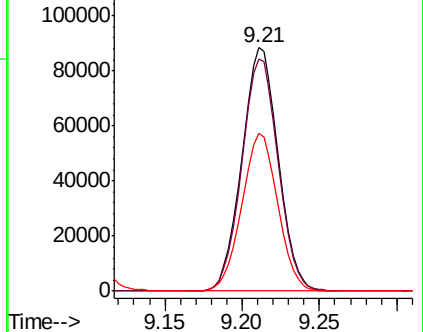
119 64.1 31.6 95.0

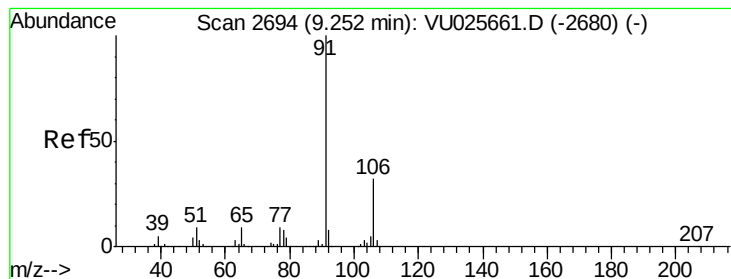


Abundance Ion 130.80 (130.50 to 131.50): V

Ion 132.80 (132.50 to 133.50): V

Ion 118.80 (118.50 to 119.50): V





#67

Ethyl Benzene

Concen: 54.29 ug/l

RT: 9.25 min Scan# 2694

Delta R.T. 0.00 min

Lab File: VU025664.D

Acq: 27 Jul 2018 12:56

Instrument :

MSVOA_U

ClientSampleId :

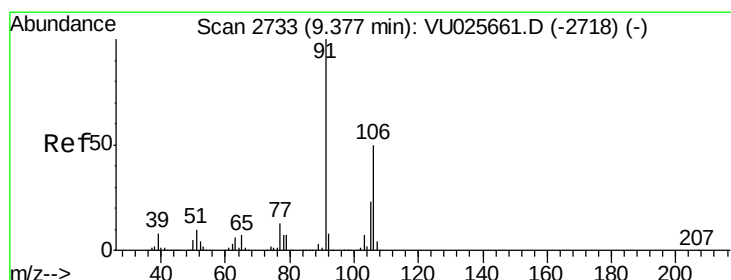
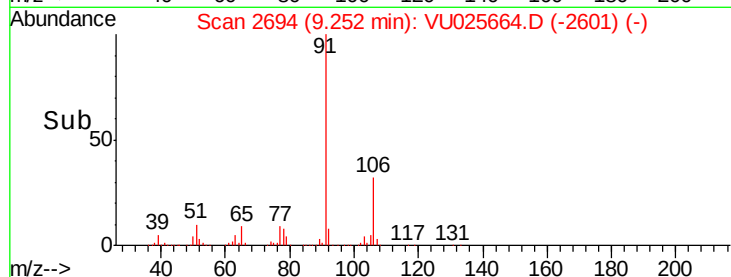
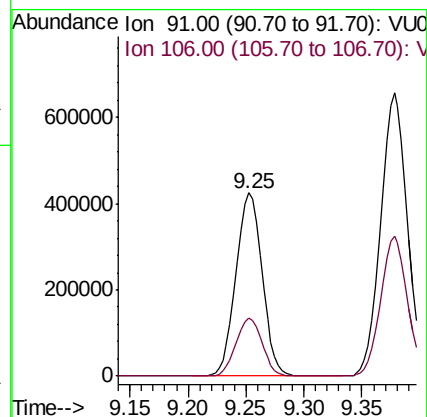
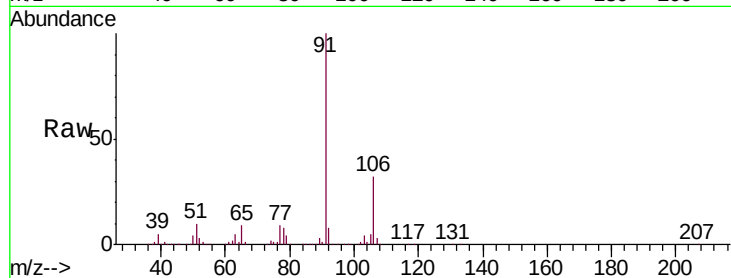
ICVVU072718

Tot Ion: 91 Resp: 662284

Ion Ratio Lower Upper

91 100

106 31.5 25.3 37.9



#68

m/p-Xylenes

Concen: 111.83 ug/l

RT: 9.38 min Scan# 2733

Delta R.T. 0.00 min

Lab File: VU025664.D

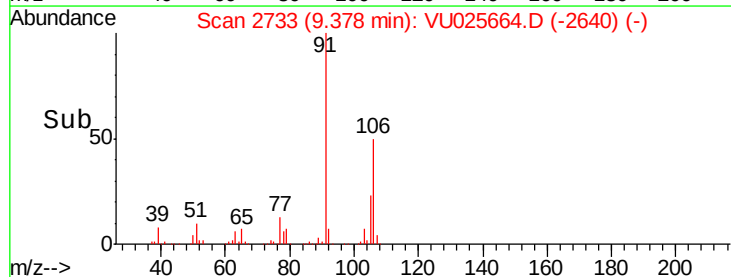
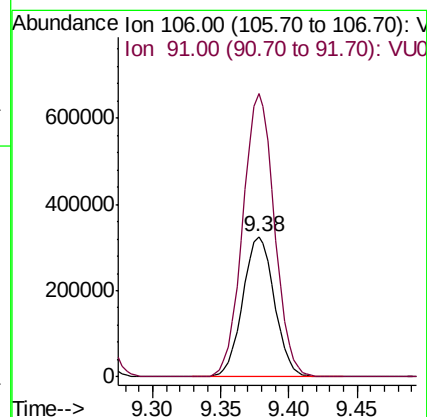
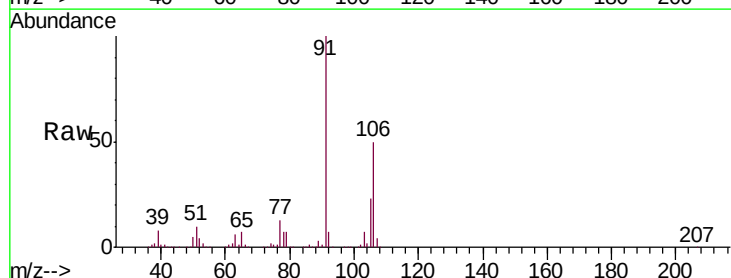
Acq: 27 Jul 2018 12:56

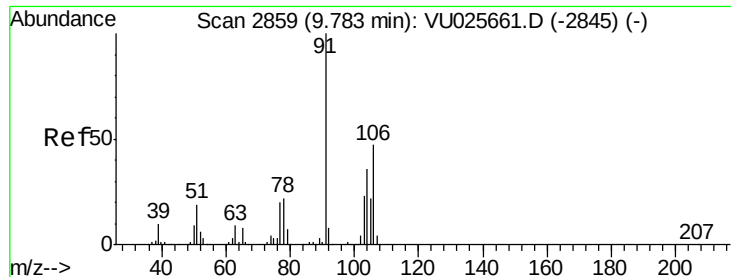
Tgt Ion: 106 Resp: 523709

Ion Ratio Lower Upper

106 100

91 201.8 162.3 243.5

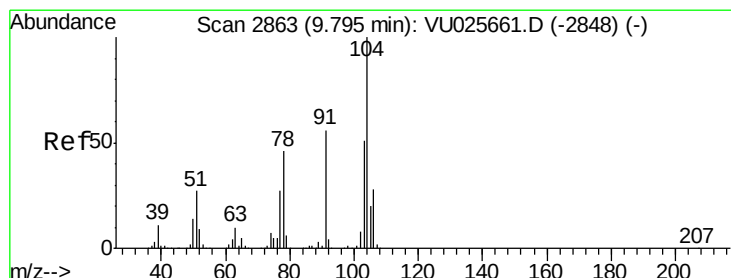
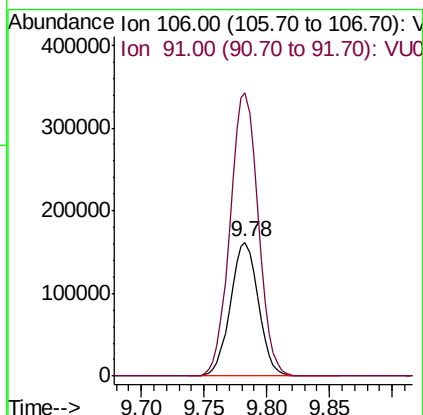
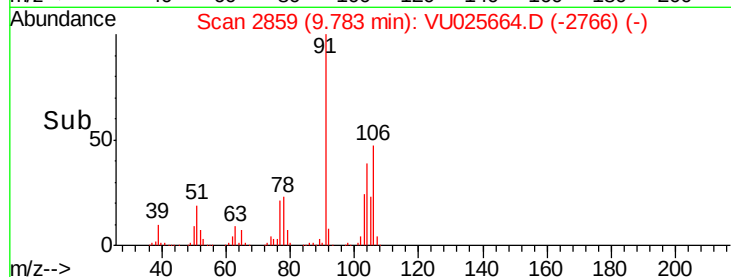
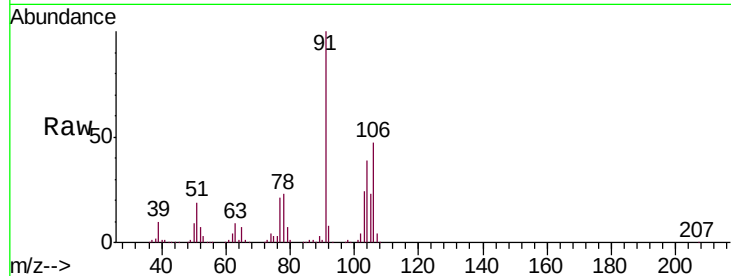




#69
o-Xylene
Concen: 54.68 ug/l
RT: 9.78 min Scan# 2859
Delta R.T. 0.00 min
Lab File: VU025664.D
Acq: 27 Jul 2018 12:56

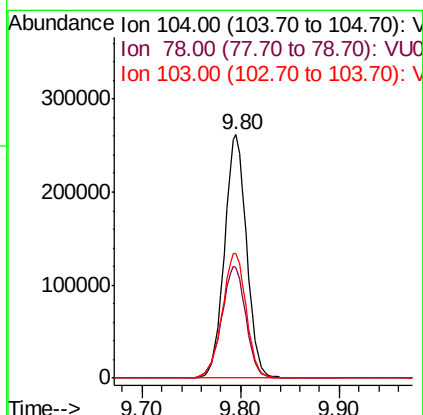
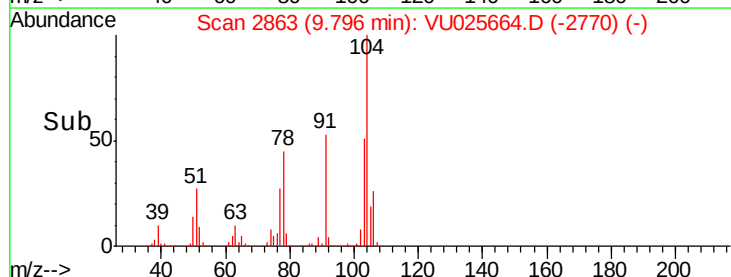
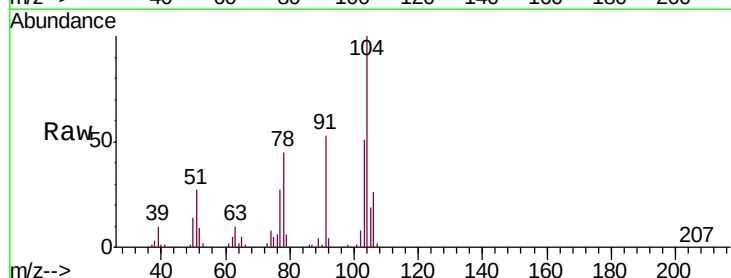
Instrument :
MSVOA_U
ClientSampleId :
ICVVU072718

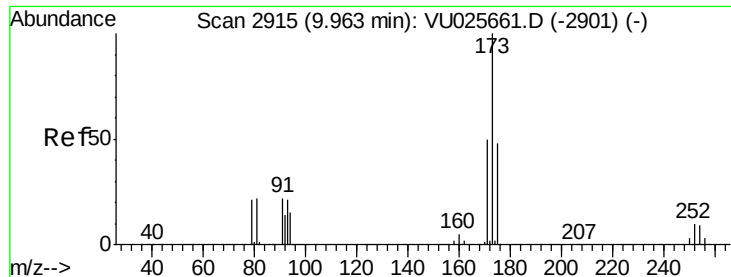
Tot Ion:106 Resp: 250263
Ion Ratio Lower Upper
106 100
91 213.7 105.3 315.8



#70
Styrene
Concen: 55.80 ug/l
RT: 9.80 min Scan# 2863
Delta R.T. 0.00 min
Lab File: VU025664.D
Acq: 27 Jul 2018 12:56

Tgt Ion:104 Resp: 412519
Ion Ratio Lower Upper
104 100
78 50.1 41.6 62.4
103 55.4 44.6 66.8





#71

Bromoform

Concen: 54.39 ug/l

RT: 9.96 min Scan# 2915

Delta R.T. 0.00 min

Lab File: VU025664.D

Acq: 27 Jul 2018 12:56

Instrument :

MSVOA_U

ClientSampleId :

ICVVU072718

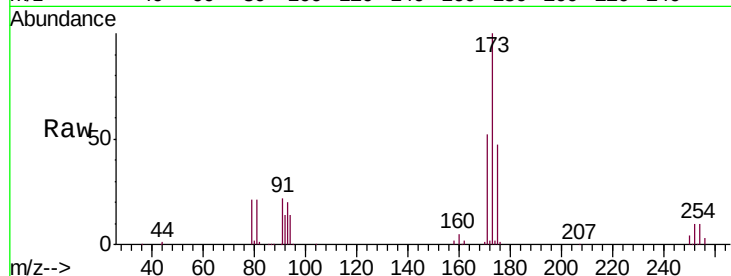
Tot Ion:173 Resp: 125627

Ion Ratio Lower Upper

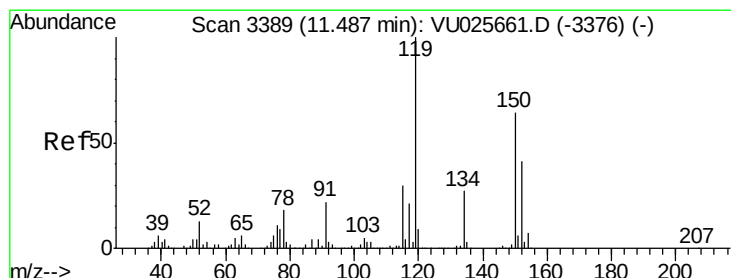
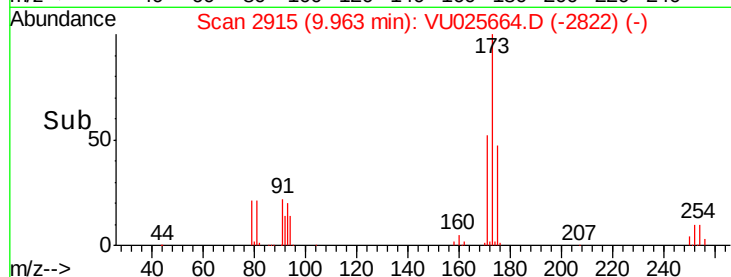
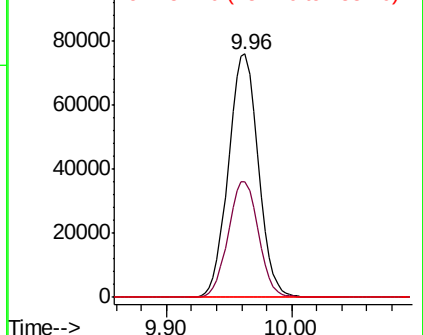
173 100

175 48.2 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: VU025664.D

Acq: 27 Jul 2018 12:56

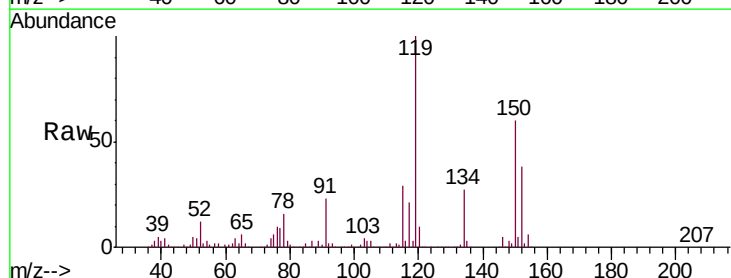
Tgt Ion:152 Resp: 185174

Ion Ratio Lower Upper

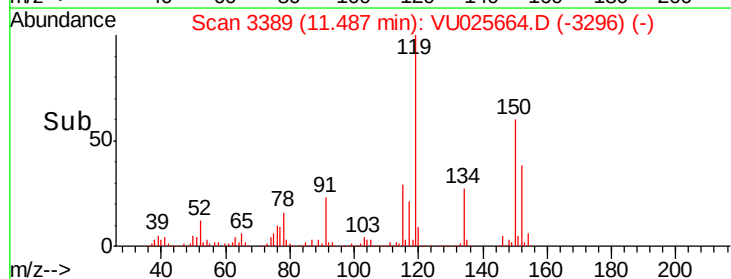
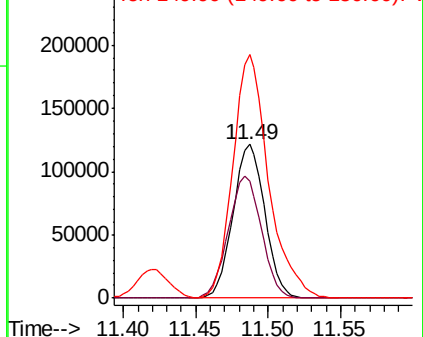
152 100

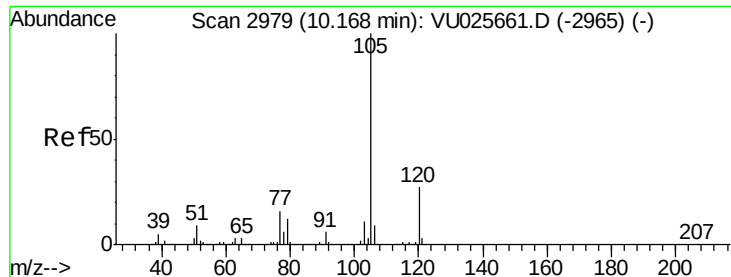
115 82.8 40.1 120.3

150 177.1 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: 54.24 ug/l

RT: 10.17 min Scan# 2979

Delta R.T. 0.00 min

Lab File: VU025664.D

Acq: 27 Jul 2018 12:56

Instrument :

MSVOA_U

ClientSampleId :

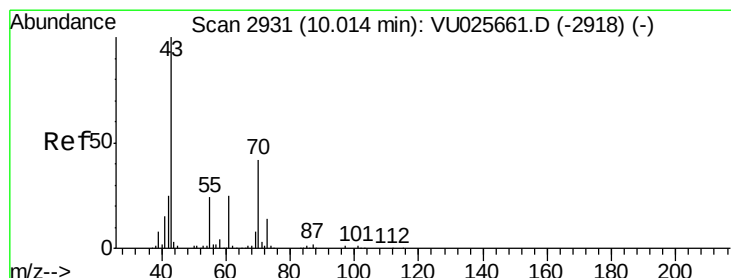
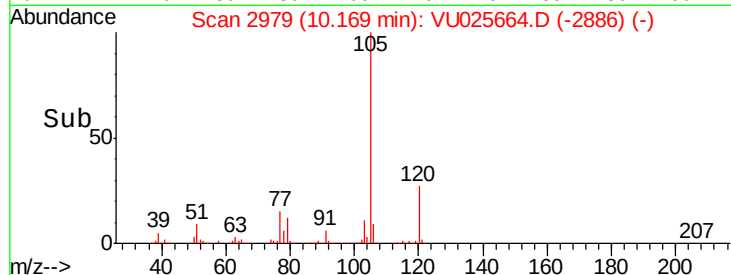
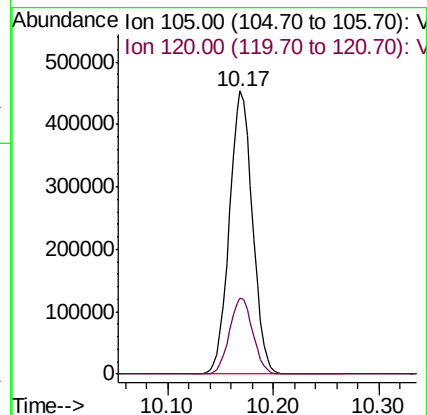
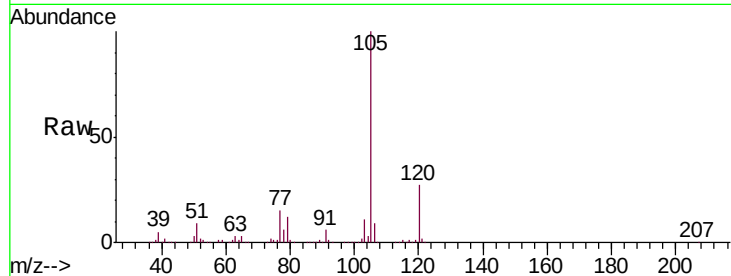
ICVVU072718

Tot Ion:105 Resp: 685510

Ion Ratio Lower Upper

105 100

120 27.2 13.5 40.5



#74

N-ethyl acetate

Concen: 54.47 ug/l

RT: 10.01 min Scan# 2931

Delta R.T. 0.00 min

Lab File: VU025664.D

Acq: 27 Jul 2018 12:56

Tgt Ion: 43 Resp: 281042

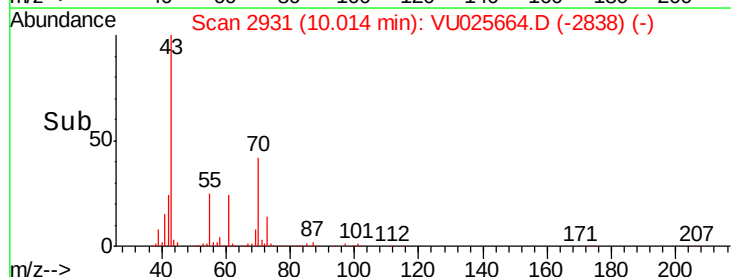
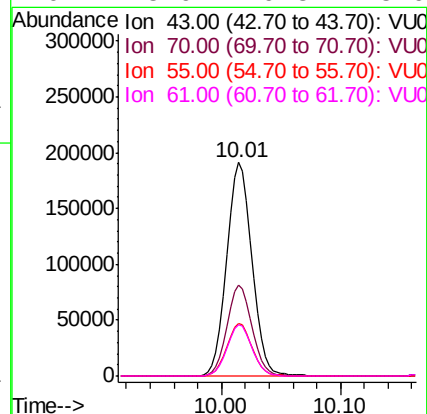
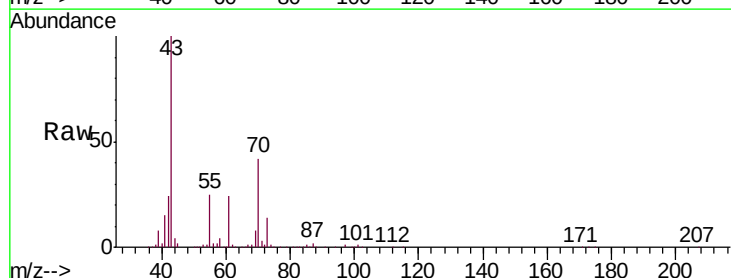
Ion Ratio Lower Upper

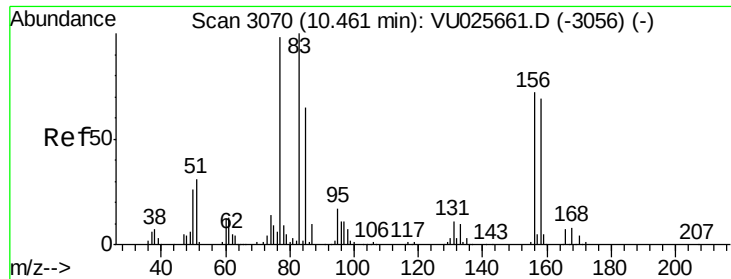
43 100

70 42.2 33.4 50.2

55 24.7 19.0 28.6

61 23.9 19.3 28.9





#75

1,1,2,2-Tetrachloroethane

Concen: 50.36 ug/l

RT: 10.46 min Scan# 3070

Delta R.T. 0.00 min

Lab File: VU025664.D

Acq: 27 Jul 2018 12:56

Instrument :

MSVOA_U

ClientSampleId :

ICVVU072718

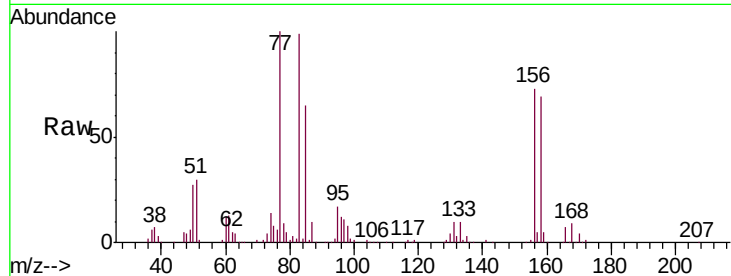
Tot Ion: 83 Resp: 220099

Ion Ratio Lower Upper

83 100

131 10.6 5.5 16.4

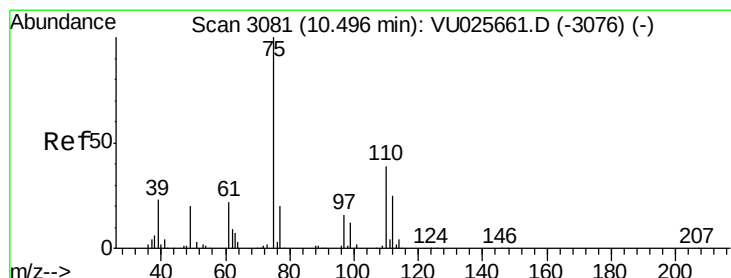
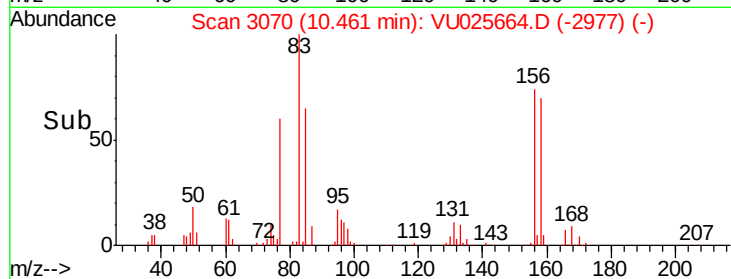
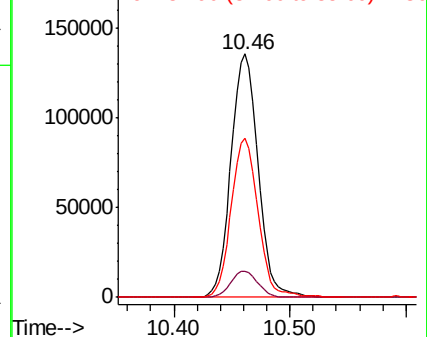
85 64.8 31.6 94.8



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: 65.72 ug/l

RT: 10.50 min Scan# 3081

Delta R.T. 0.00 min

Lab File: VU025664.D

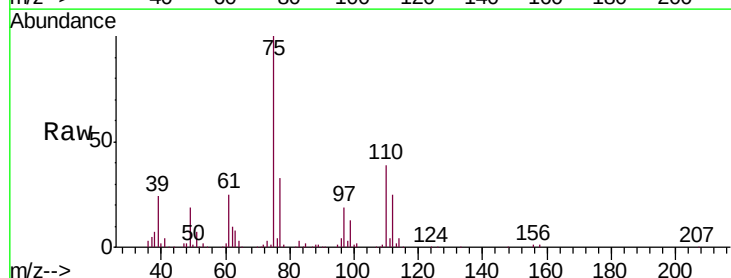
Acq: 27 Jul 2018 12:56

Tgt Ion: 75 Resp: 268128

Ion Ratio Lower Upper

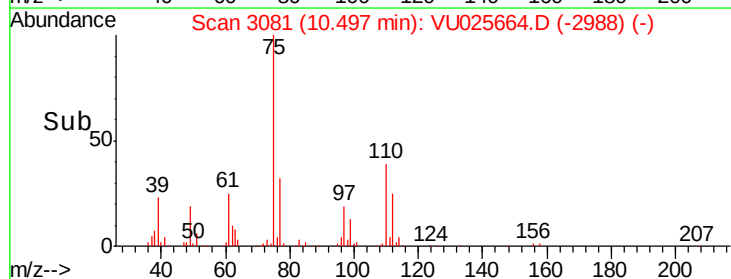
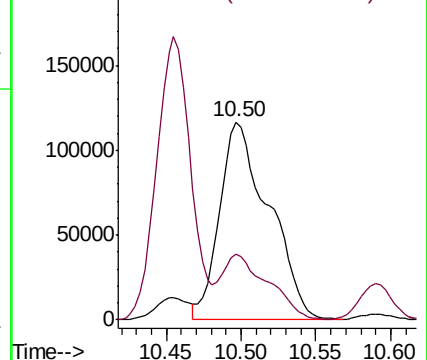
75 100

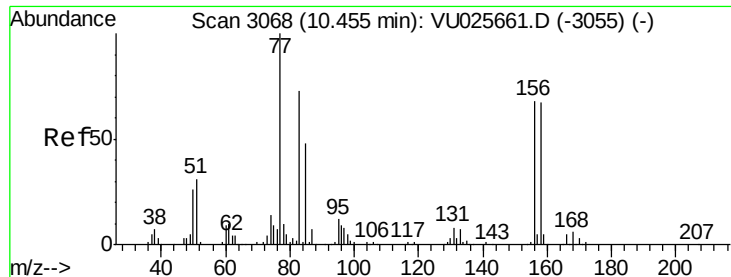
77 31.5 20.4 61.3



Abundance Ion 74.90 (74.60 to 75.60): VU0

Ion 77.00 (76.70 to 77.70): VU0





#77

Bromobenzene

Concen: 51.43 ug/l

RT: 10.45 min Scan# 3068

Delta R.T. 0.00 min

Lab File: VU025664.D

Acq: 27 Jul 2018 12:56

Instrument :

MSVOA_U

ClientSampleId :

ICVVU072718

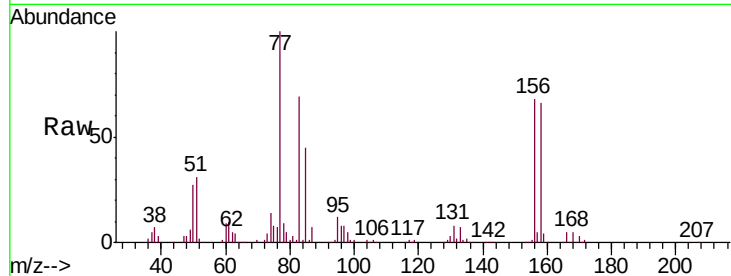
Tot Ion:156 Resp: 179273

Ion Ratio Lower Upper

156 100

77 147.5 73.8 221.4

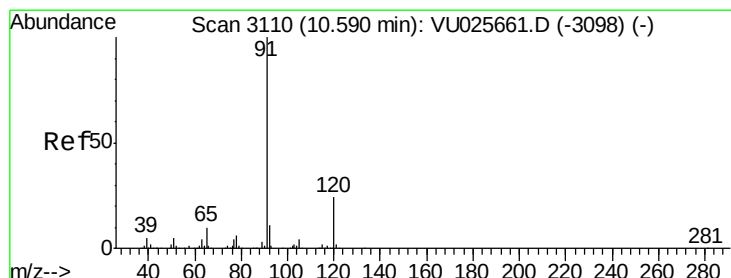
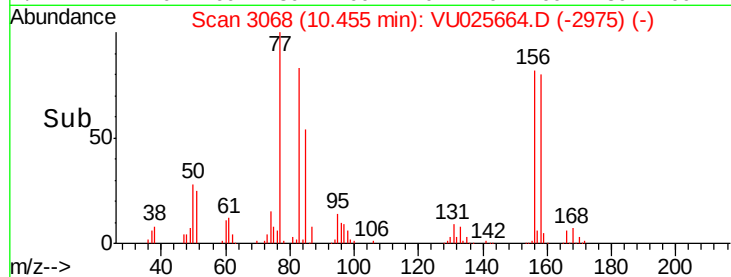
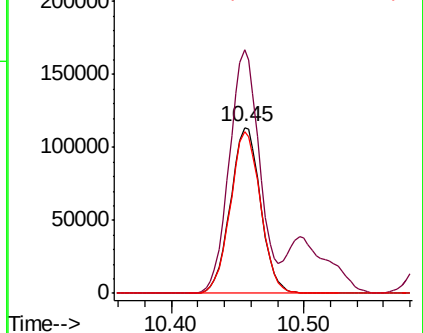
158 97.5 48.0 144.0



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: 55.49 ug/l

RT: 10.59 min Scan# 3110

Delta R.T. 0.00 min

Lab File: VU025664.D

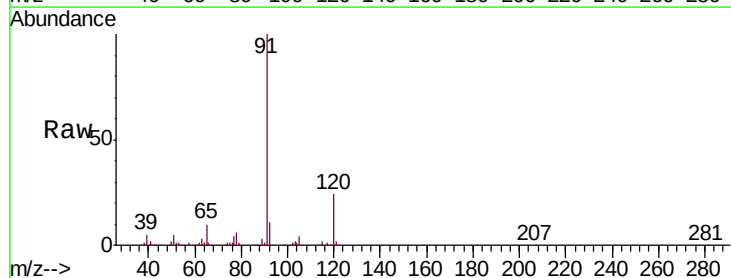
Acq: 27 Jul 2018 12:56

Tgt Ion: 91 Resp: 818489

Ion Ratio Lower Upper

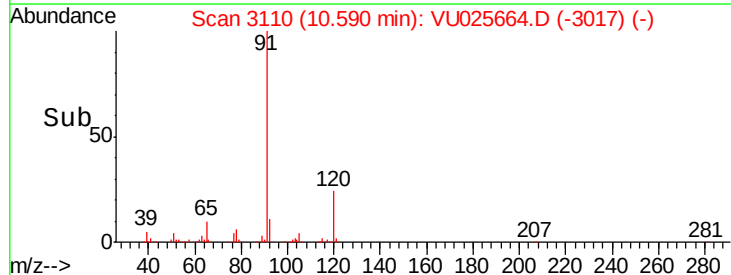
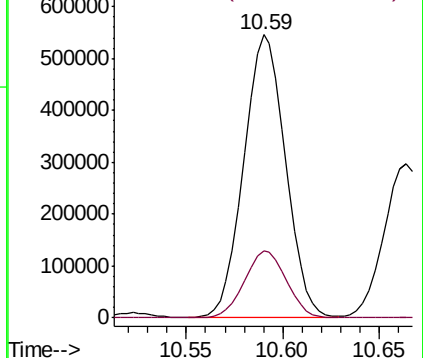
91 100

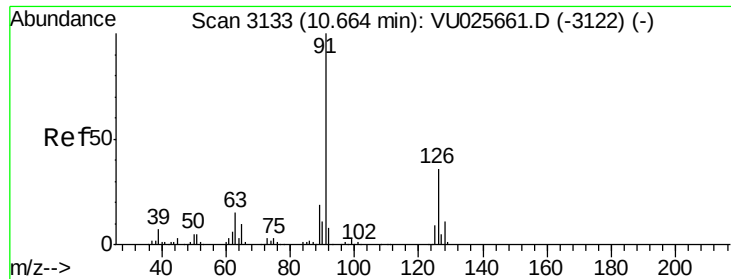
120 23.9 11.8 35.3



Abundance Ion 91.00 (90.70 to 91.70): VU0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 53.89 ug/l

RT: 10.66 min Scan# 3133

Delta R.T. 0.00 min

Lab File: VU025664.D

Acq: 27 Jul 2018 12:56

Instrument :

MSVOA_U

ClientSampleId :

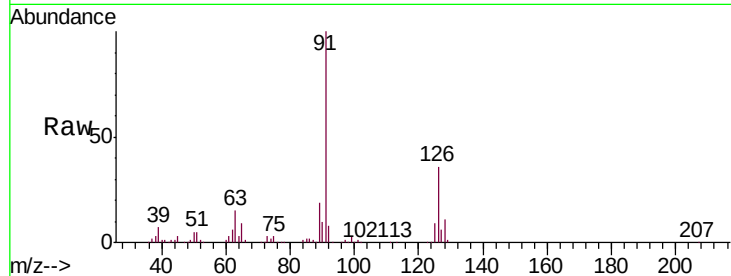
ICVVU072718

Tot Ion: 91 Resp: 465596

Ion Ratio Lower Upper

91 100

126 35.7 17.5 52.6



Abundance Ion 91.00 (90.70 to 91.70): VU025664.D (-3122) (-)

Ion 125.90 (125.60 to 126.60): VU025664.D (-3122) (-)

600000

500000

400000

300000

200000

100000

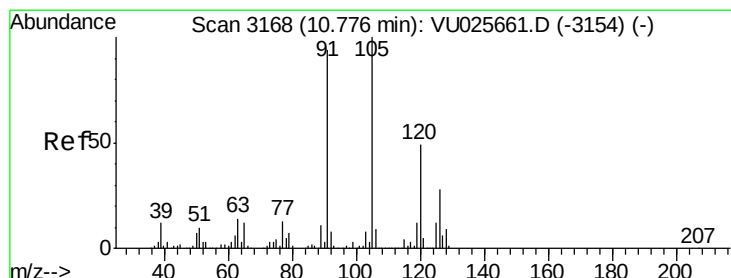
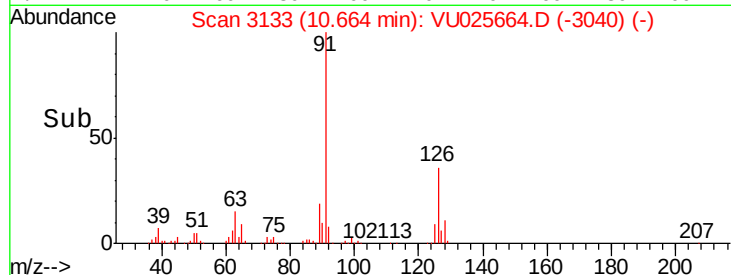
0

10.60

10.65

10.70

Time-->



#80

1,3,5-Trimethylbenzene

Concen: 55.47 ug/l

RT: 10.78 min Scan# 3168

Delta R.T. 0.00 min

Lab File: VU025664.D

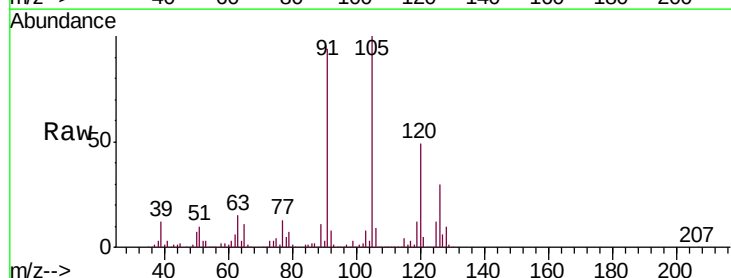
Acq: 27 Jul 2018 12:56

Tgt Ion: 105 Resp: 595351

Ion Ratio Lower Upper

105 100

120 48.6 24.1 72.2



Abundance Ion 105.00 (104.70 to 105.70): VU025664.D (-3154) (-)

Ion 120.00 (119.70 to 120.70): VU025664.D (-3154) (-)

400000

300000

200000

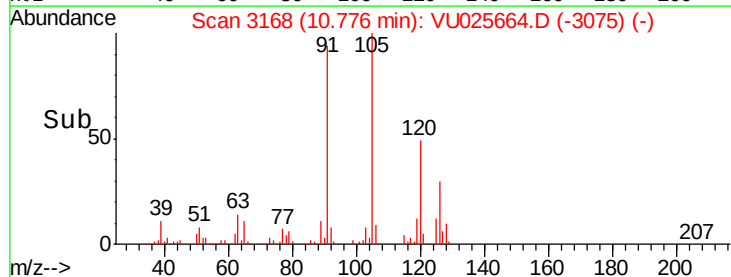
100000

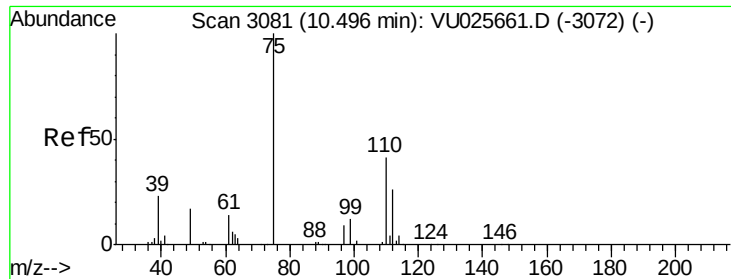
0

10.70

10.80

Time-->





#81

trans-1,4-Dichloro-2-butene

Concen: 164.79 ug/l

RT: 10.50 min Scan# 3081

Delta R.T. 0.00 min

Lab File: VU025664.D

Acq: 27 Jul 2018 12:56

Instrument :

MSVOA_U

ClientSampleId :

ICVVU072718

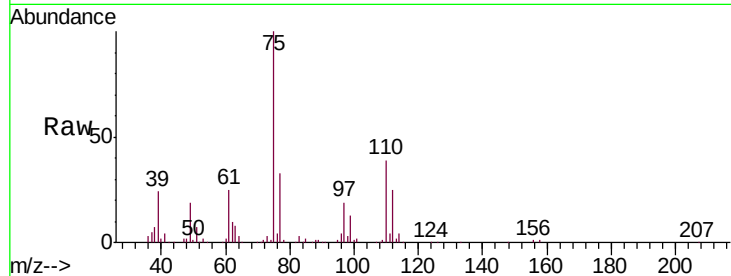
Tot Ion: 75 Resp: 268128

Ion Ratio Lower Upper

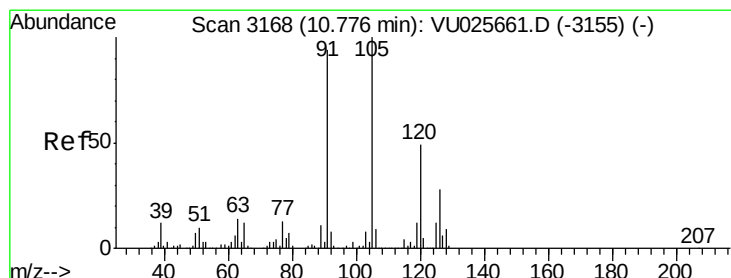
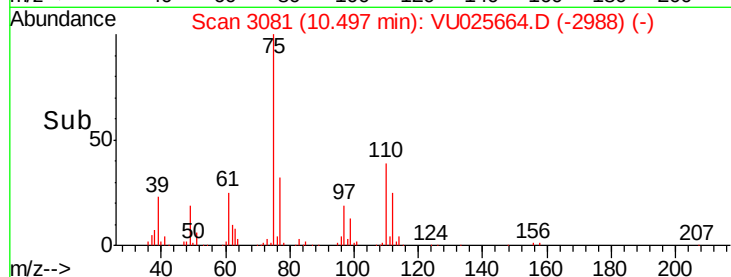
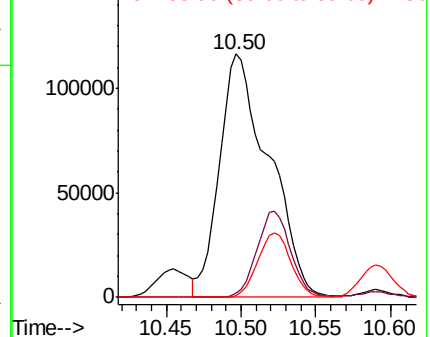
75 100

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: 55.47 ug/l

RT: 10.78 min Scan# 3168

Delta R.T. 0.00 min

Lab File: VU025664.D

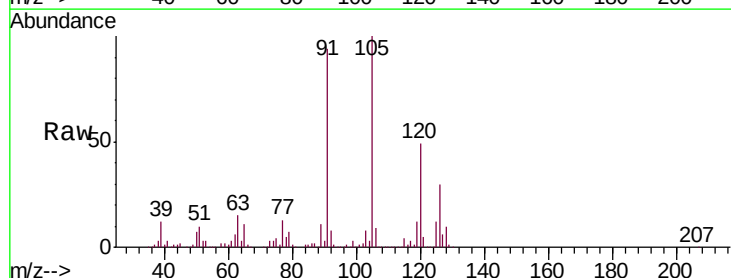
Acq: 27 Jul 2018 12:56

Tgt Ion: 91 Resp: 564931

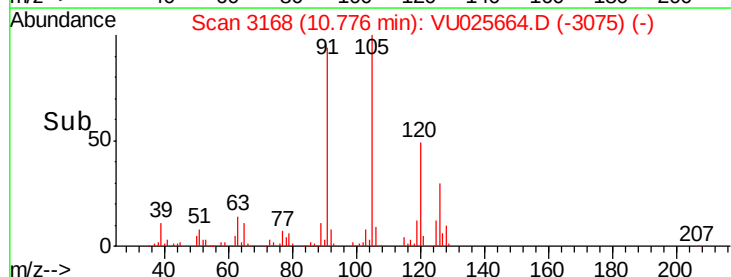
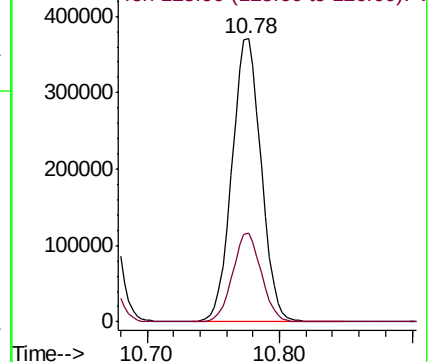
Ion Ratio Lower Upper

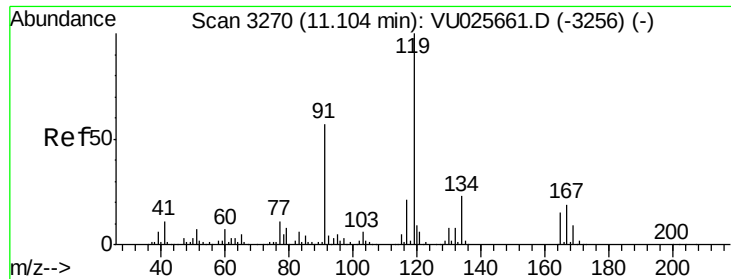
91 100

126 31.0 15.3 45.9



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

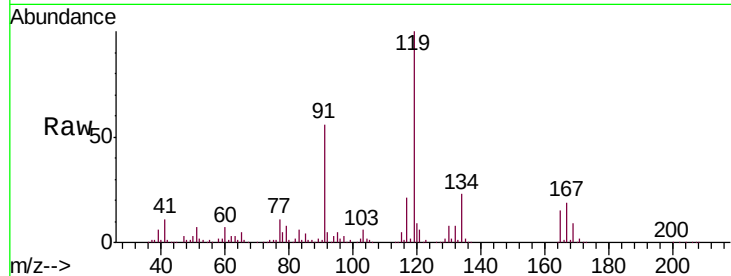




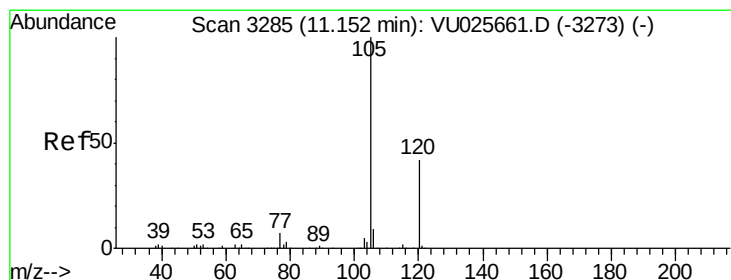
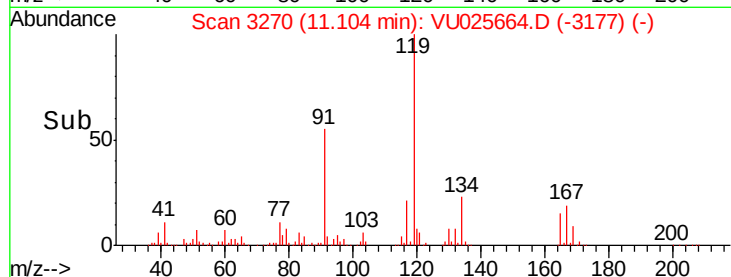
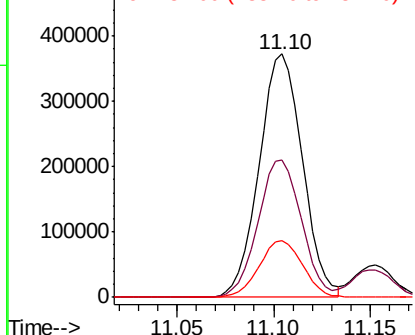
#83
 tert-Butylbenzene
 Concen: 54.42 ug/l
 RT: 11.10 min Scan# 3270
 Delta R.T. 0.00 min
 Lab File: VU025664.D
 Acq: 27 Jul 2018 12:56

Instrument :
 MSVOA_U
 ClientSampleId :
 ICVVU072718

Tot Ion:119 Resp: 580367
 Ion Ratio Lower Upper
 119 100
 91 56.5 29.7 89.1
 134 23.3 11.5 34.5

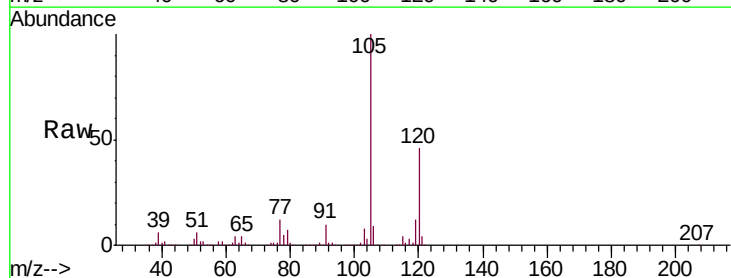


Abundance Ion 119.00 (118.70 to 119.70): V
 Ion 91.00 (90.70 to 91.70): VU0
 Ion 134.00 (133.70 to 134.70): V

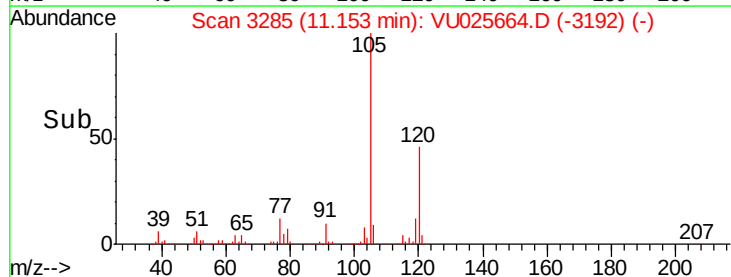
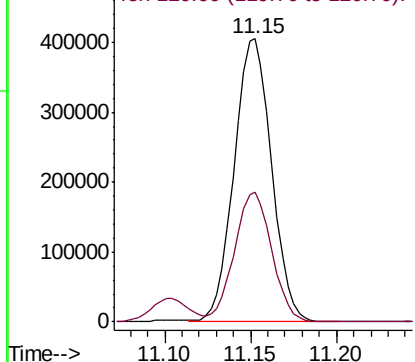


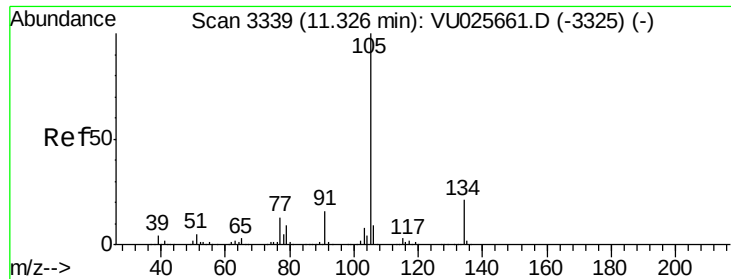
#84
 1,2,4-Trimethylbenzene
 Concen: 56.08 ug/l
 RT: 11.15 min Scan# 3285
 Delta R.T. 0.00 min
 Lab File: VU025664.D
 Acq: 27 Jul 2018 12:56

Tgt Ion:105 Resp: 609956
 Ion Ratio Lower Upper
 105 100
 120 45.8 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: 56.16 ug/l

RT: 11.33 min Scan# 3339

Delta R.T. 0.00 min

Lab File: VU025664.D

Acq: 27 Jul 2018 12:56

Instrument :

MSVOA_U

ClientSampleId :

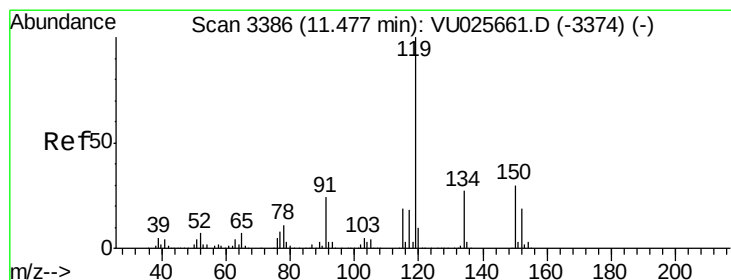
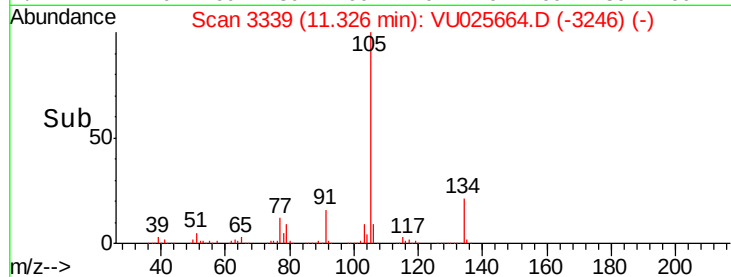
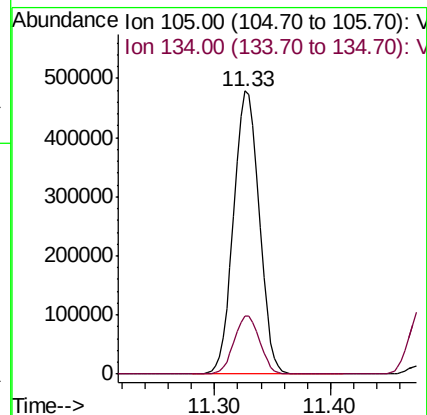
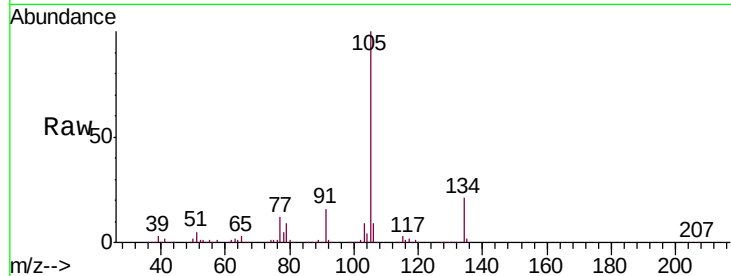
ICVVU072718

Tot Ion:105 Resp: 731274

Ion Ratio Lower Upper

105 100

134 20.4 10.3 30.8



#86

p-Isopropyltoluene

Concen: 57.01 ug/l

RT: 11.48 min Scan# 3386

Delta R.T. 0.00 min

Lab File: VU025664.D

Acq: 27 Jul 2018 12:56

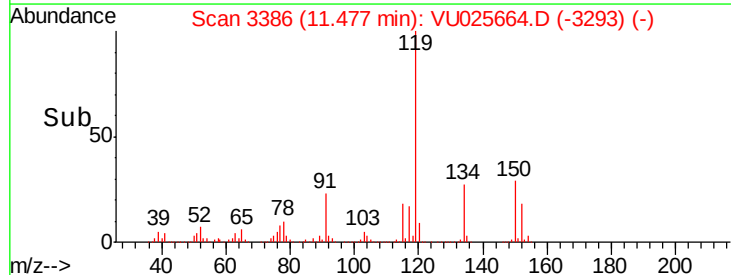
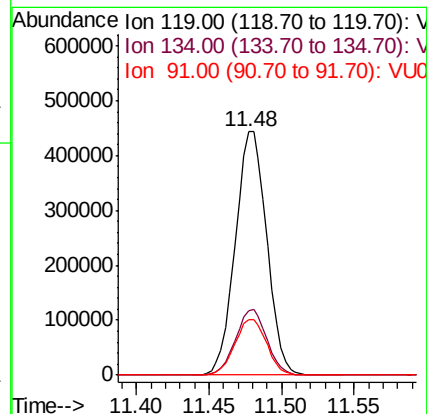
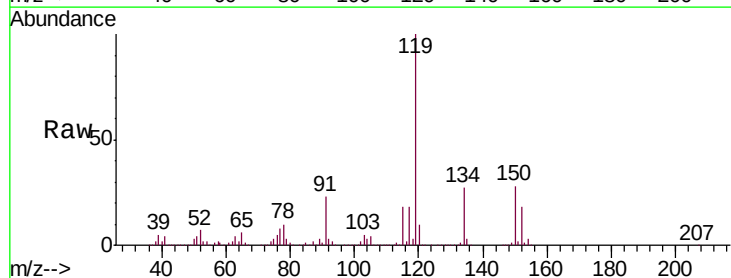
Tgt Ion:119 Resp: 664712

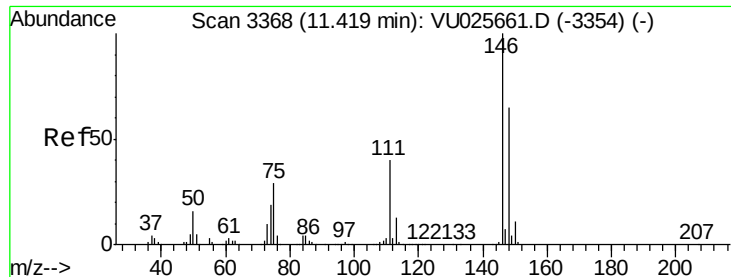
Ion Ratio Lower Upper

119 100

134 26.7 13.2 39.5

91 23.2 12.0 36.1

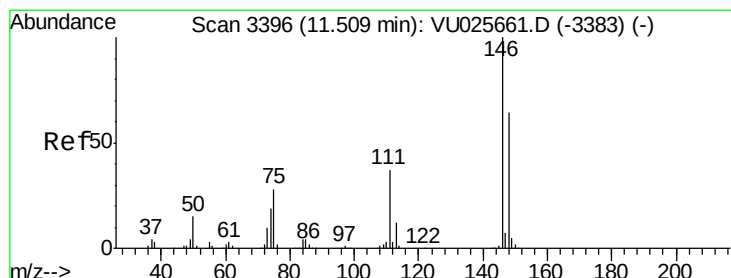
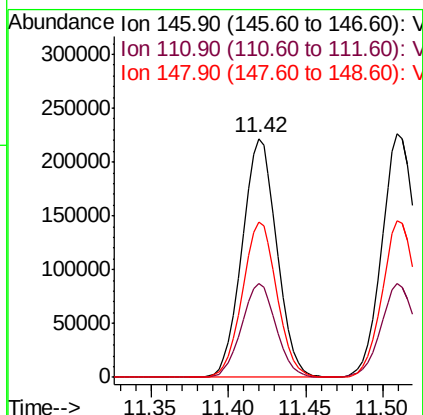
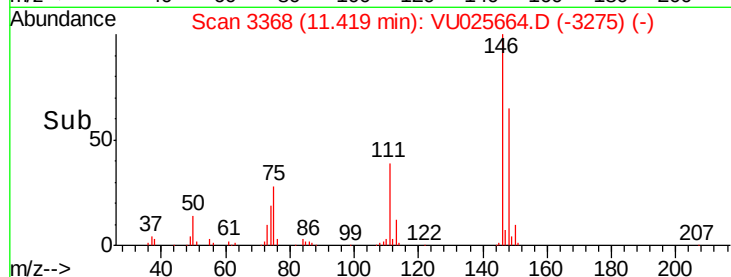
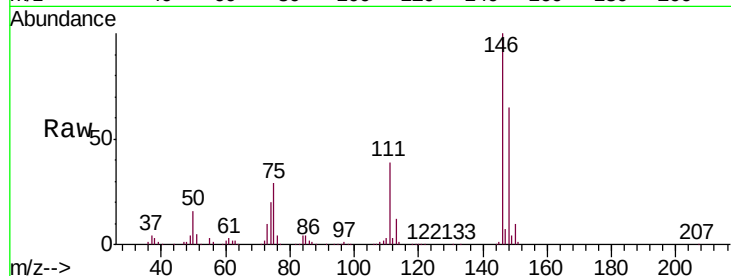




#87
 1,3-Dichlorobenzene
 Concen: 53.42 ug/l
 RT: 11.42 min Scan# 3368
 Delta R.T. 0.00 min
 Lab File: VU025664.D
 Acq: 27 Jul 2018 12:56

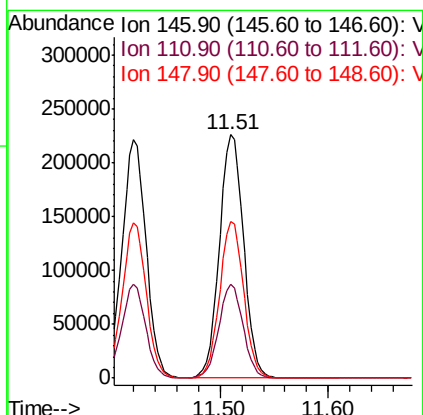
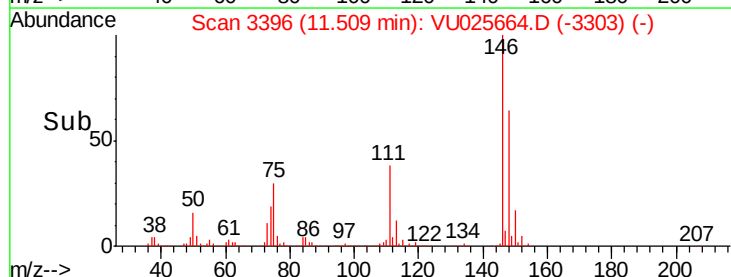
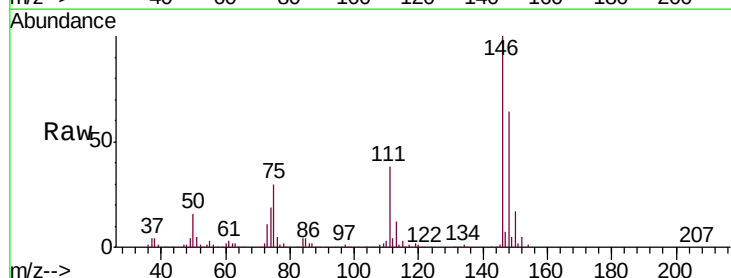
Instrument :
 MSVOA_U
 ClientSampleId :
 ICVVU072718

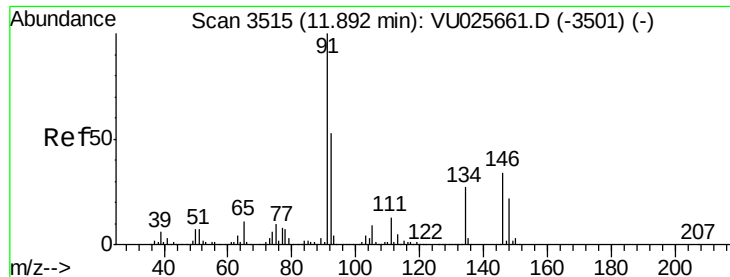
Tot Ion	Ratio	Lower	Upper
146	100		
111	39.0	19.7	59.1
148	64.7	32.1	96.3



#88
 1,4-Dichlorobenzene
 Concen: 52.16 ug/l
 RT: 11.51 min Scan# 3396
 Delta R.T. 0.00 min
 Lab File: VU025664.D
 Acq: 27 Jul 2018 12:56

Tgt Ion	Ratio	Lower	Upper
146	100		
111	38.6	19.4	58.1
148	63.9	31.7	95.1





#89

n-Butylbenzene

Concen: 57.31 ug/l

RT: 11.89 min Scan# 3515

Delta R.T. 0.00 min

Lab File: VU025664.D

Acq: 27 Jul 2018 12:56

Instrument :

MSVOA_U

ClientSampleId :

ICVVU072718

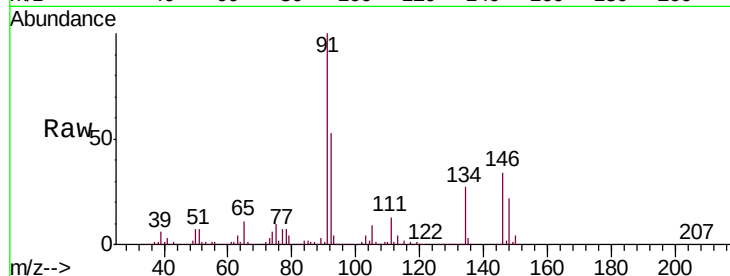
Tot Ion: 91 Resp: 616573

Ion Ratio Lower Upper

91 100

92 52.7 26.5 79.5

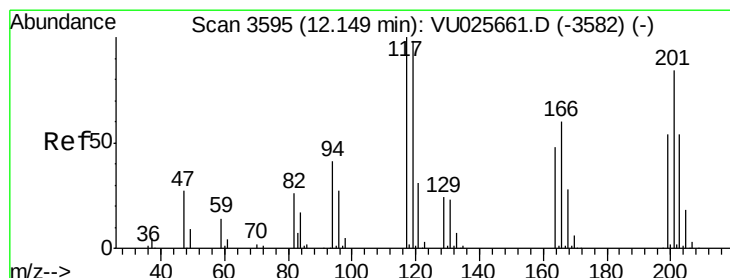
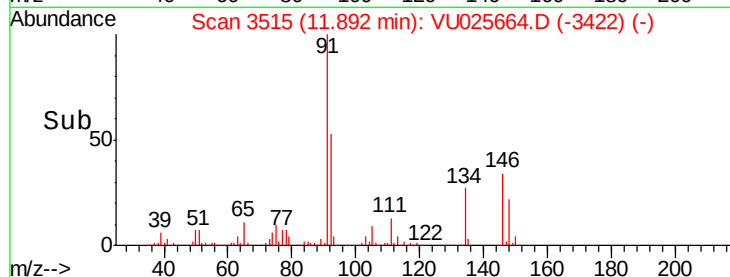
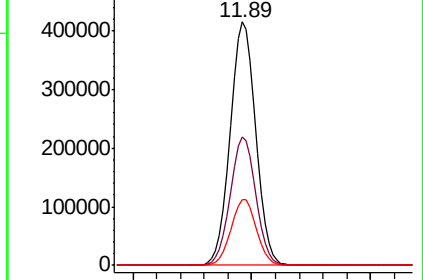
134 27.0 13.6 40.7



Abundance Ion 91.00 (90.70 to 91.70): VU025664.D (-3501) (-)

Ion 92.00 (91.70 to 92.70): VU025664.D (-3501) (-)

Ion 134.00 (133.70 to 134.70): VU025664.D (-3501) (-)



#90

Hexachloroethane

Concen: 53.80 ug/l

RT: 12.15 min Scan# 3595

Delta R.T. 0.00 min

Lab File: VU025664.D

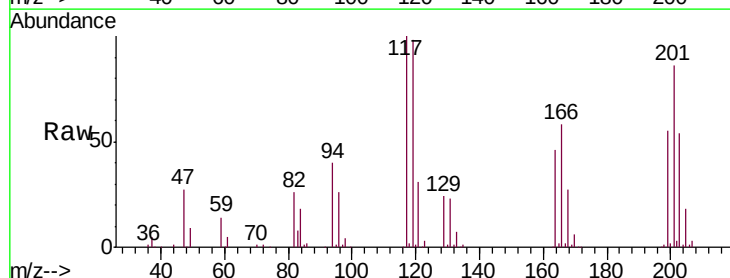
Acq: 27 Jul 2018 12:56

Tgt Ion: 117 Resp: 111520

Ion Ratio Lower Upper

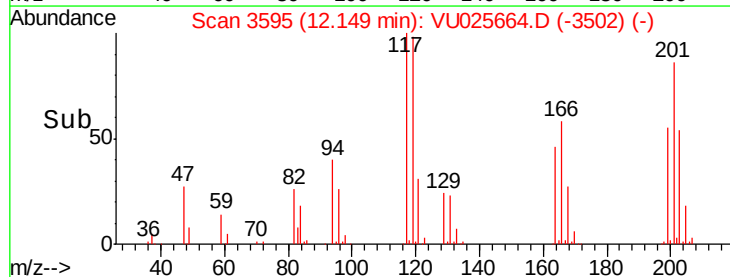
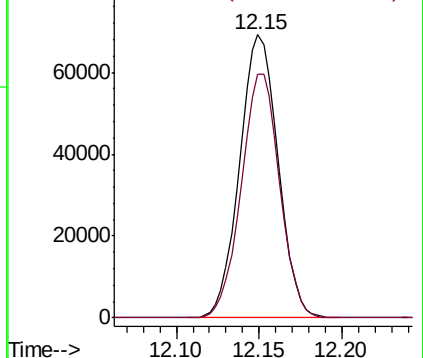
117 100

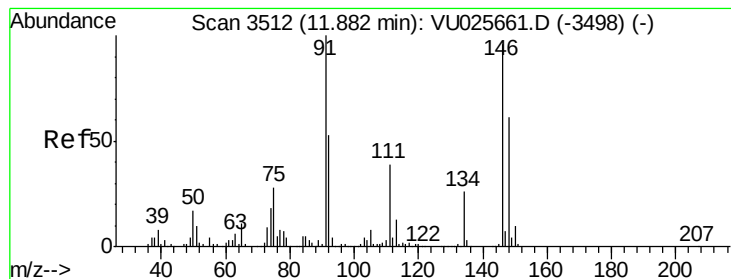
201 86.0 42.5 127.6



Abundance Ion 116.80 (116.50 to 117.50): VU025664.D (-3582) (-)

Ion 200.70 (200.40 to 201.40): VU025664.D (-3582) (-)





#91

1,2-Dichlorobenzene

Concen: 53.62 ug/l

RT: 11.88 min Scan# 3512

Delta R.T. 0.00 min

Lab File: VU025664.D

Acq: 27 Jul 2018 12:56

Instrument :

MSVOA_U

ClientSampleId :

ICVVU072718

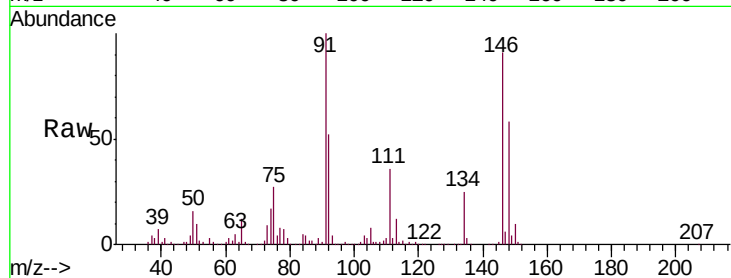
Tot Ion:146 Resp: 340068

Ion Ratio Lower Upper

146 100

111 40.2 20.6 61.8

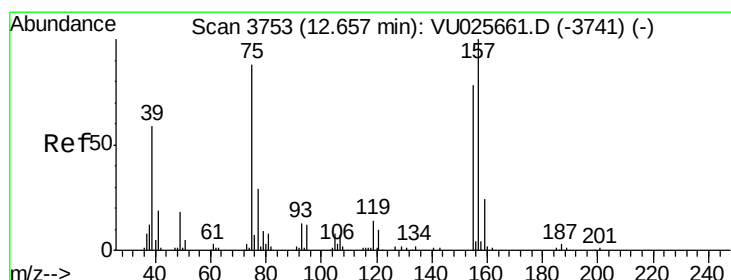
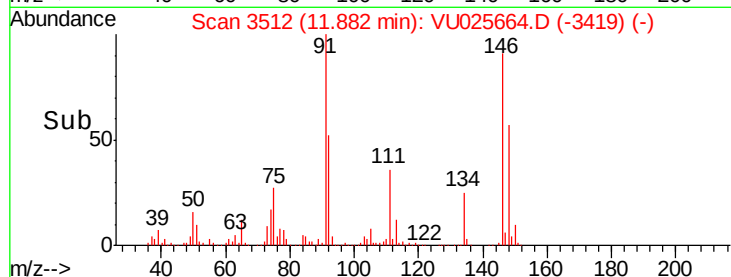
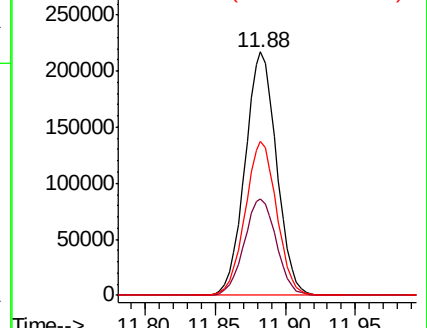
148 63.2 31.5 94.5



Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#92

1,2-Dibromo-3-Chloropropane

Concen: 53.36 ug/l

RT: 12.66 min Scan# 3754

Delta R.T. 0.00 min

Lab File: VU025664.D

Acq: 27 Jul 2018 12:56

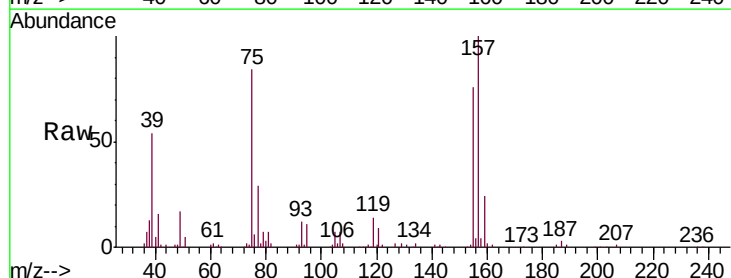
Tgt Ion: 75 Resp: 55289

Ion Ratio Lower Upper

75 100

155 89.1 44.5 133.3

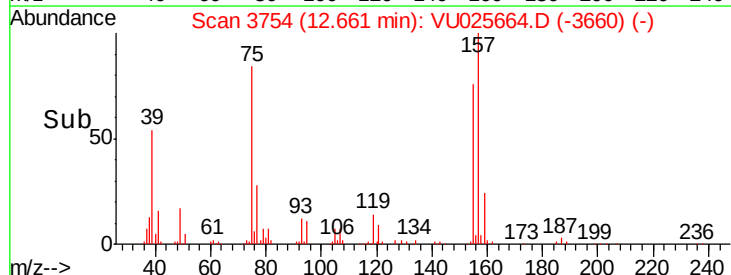
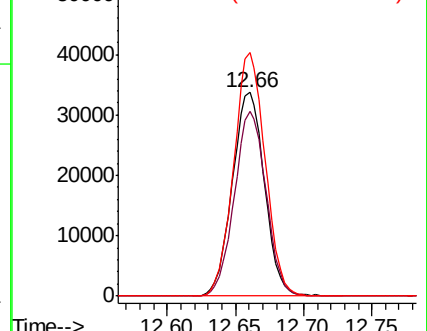
157 116.7 57.0 170.8

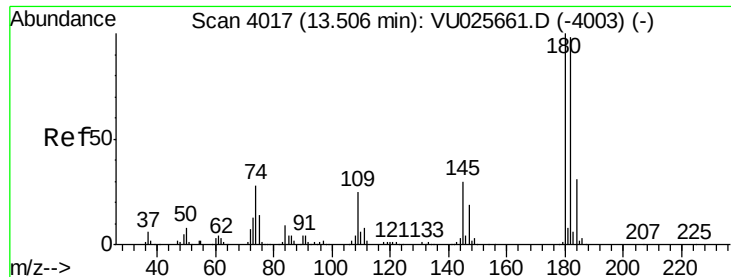


Abundance Ion 74.90 (74.60 to 75.60): VU0

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V

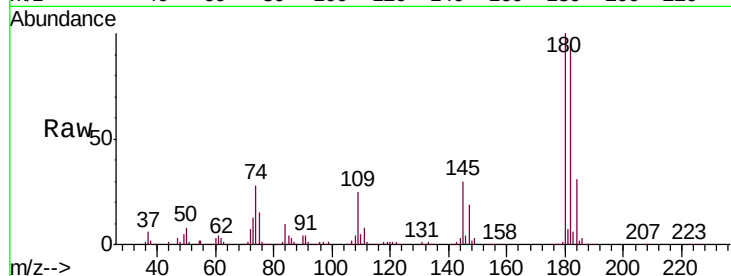




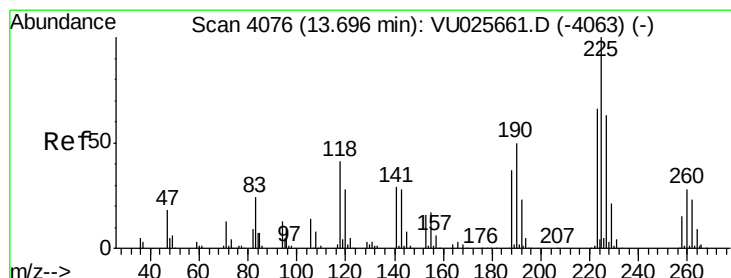
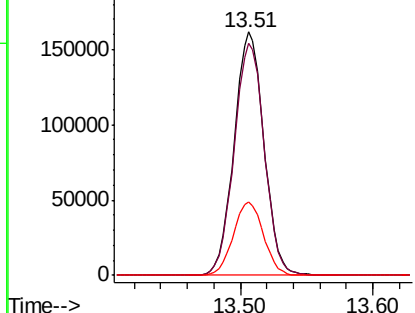
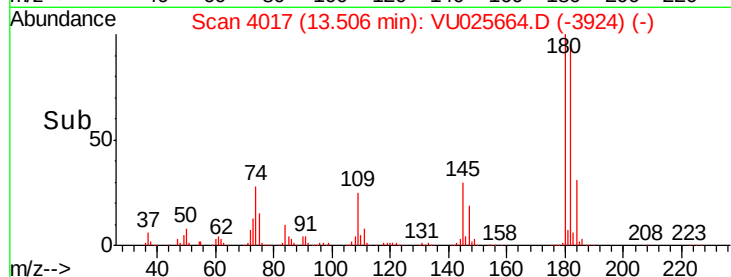
#93
 1,2,4-Trichlorobenzene
 Concen: 58.89 ug/l
 RT: 13.51 min Scan# 4017
 Delta R.T. 0.00 min
 Lab File: VU025664.D
 Acq: 27 Jul 2018 12:56

Instrument :
 MSVOA_U
 ClientSampleId :
 ICVVU072718

Tot Ion	Ratio	Lower	Upper
180	100		
182	96.6	47.3	141.9
145	30.6	14.9	44.7

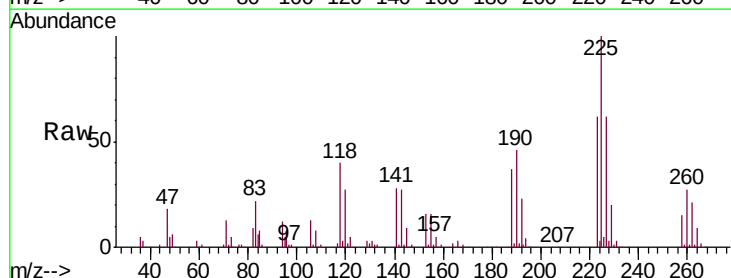


Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

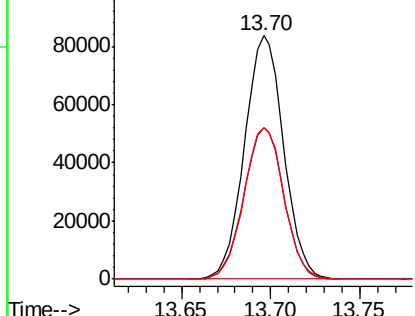
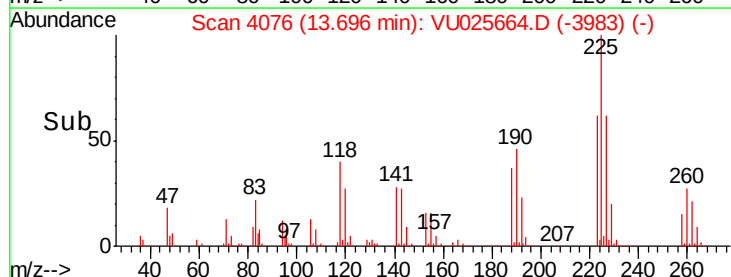


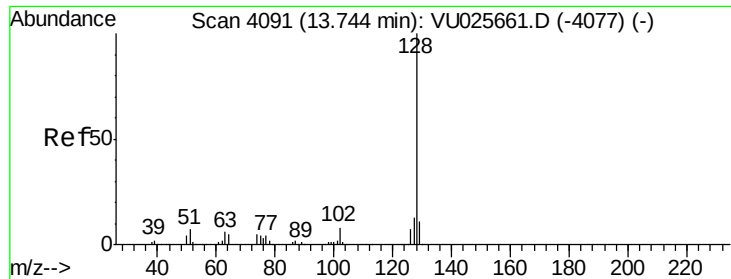
#94
 Hexachlorobutadiene
 Concen: 56.71 ug/l
 RT: 13.70 min Scan# 4076
 Delta R.T. 0.00 min
 Lab File: VU025664.D
 Acq: 27 Jul 2018 12:56

Tgt Ion	Ratio	Lower	Upper
225	100		
223	63.4	31.9	95.7
227	63.3	32.3	96.9



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

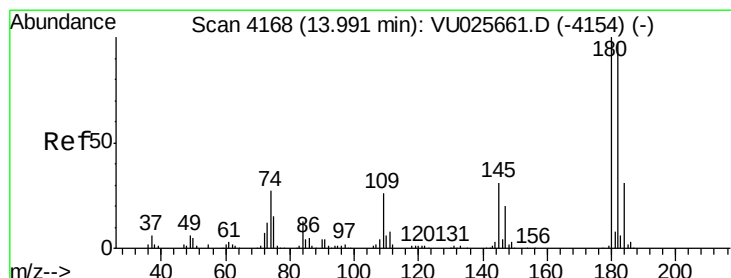
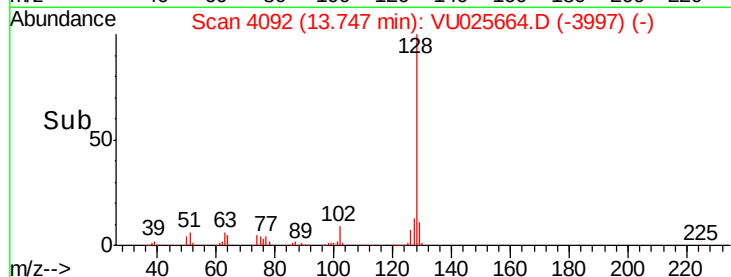
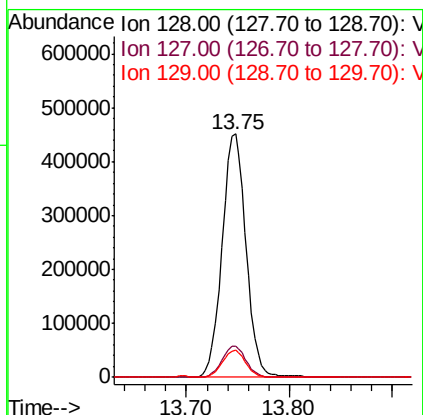
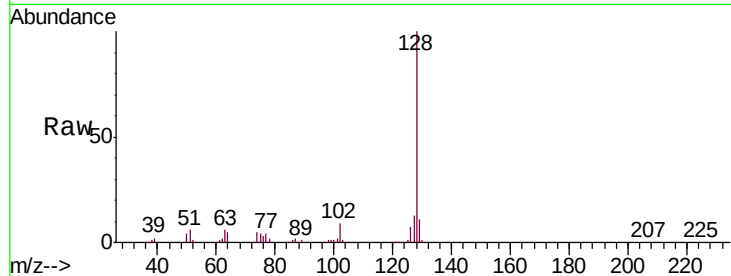




#95
Naphthalene
Concen: 53.00 ug/l
RT: 13.75 min Scan# 4092
Delta R.T. 0.00 min
Lab File: VU025664.D
Acq: 27 Jul 2018 12:56

Instrument :
MSVOA_U
ClientSampleId :
ICVVU072718

Tot Ion:128 Resp: 729758
Ion Ratio Lower Upper
128 100
127 12.8 10.5 15.7
129 10.7 8.3 12.5



#96
1,2,3-Trichlorobenzene
Concen: 58.55 ug/l
RT: 13.99 min Scan# 4168
Delta R.T. 0.00 min
Lab File: VU025664.D
Acq: 27 Jul 2018 12:56

Tgt Ion:180 Resp: 250018
Ion Ratio Lower Upper
180 100
182 96.6 47.8 143.3
145 30.9 15.6 46.8

