

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU080118\
 Data File : VU025769.D
 Acq On : 01 Aug 2018 12:07
 Operator : MD/SY
 Sample : VU0801MBS02
 Misc : 5.00µl/10mL/100µL/5.00mL/MSVOA_U/MEOH
 ALS Vial : 34 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Aug 02 03:56:11 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\82U072718W.M
 Quant Title : SW846 8260
 QLast Update : Tue Jul 31 16:07:47 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.99	168	174118	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.89	114	262531	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.09	117	252382	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.49	152	155403	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	5.31	65	138066	50.89	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.78%	
35) Dibromofluoromethane	4.89	113	113067	49.52	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.04%	
50) Toluene-d8	7.57	98	401907	50.30	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.60%	
62) 4-Bromofluorobenzene	10.31	95	153338	49.44	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.88%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.21	85	53480	20.32	ug/l	98
3) Chloromethane	1.33	50	48972	19.47	ug/l	99
4) Vinyl Chloride	1.40	62	44826	18.94	ug/l	96
5) Bromomethane	1.63	94	23456	20.29	ug/l	99
6) Chloroethane	1.70	64	26956	19.48	ug/l	97
7) Trichlorofluoromethane	1.89	101	66222	19.35	ug/l	100
8) Diethyl Ether	2.10	74	23368	18.87	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	2.29	101	39405	19.90	ug/l	99
10) Methyl Iodide	2.41	142	31139	22.55	ug/l	98
11) Tert butyl alcohol	2.83	59	57950	97.56	ug/l	99
12) 1,1-Dichloroethene	2.28	96	35413	18.94	ug/l	96
13) Acrolein	2.19	56	24824	114.30	ug/l	100
14) Allyl chloride	2.59	41	62296	18.54	ug/l	99
15) Acrylonitrile	2.94	53	118167	99.64	ug/l	100
16) Acetone	2.32	43	124416	94.06	ug/l	97
17) Carbon Disulfide	2.48	76	110066	18.19	ug/l	100
18) Methyl Acetate	2.62	43	74669	23.45	ug/l	99
19) Methyl tert-butyl Ether	3.00	73	133482	19.70	ug/l	97
20) Methylene Chloride	2.70	84	43963	18.75	ug/l	96
21) trans-1,2-Dichloroethene	2.99	96	41510	19.21	ug/l	98
22) Diisopropyl ether	3.58	45	130526	19.72	ug/l	95
23) Vinyl Acetate	3.53	43	555162	96.22	ug/l	100
24) 1,1-Dichloroethane	3.45	63	78764	19.82	ug/l	99
25) 2-Butanone	4.27	43	177347	98.50	ug/l	99
26) 2,2-Dichloropropane	4.23	77	71177	19.70	ug/l	100
27) cis-1,2-Dichloroethene	4.23	96	46858	19.23	ug/l	99
28) Bromochloromethane	4.55	49	32610	18.35	ug/l	100
29) Tetrahydrofuran	4.64	42	107033	99.22	ug/l	98
30) Chloroform	4.68	83	81439	19.41	ug/l	98
31) Cyclohexane	5.00	56	67965	18.82	ug/l	98
32) 1,1,1-Trichloroethane	4.92	97	76090	20.15	ug/l	99
36) 1,1-Dichloropropene	5.14	75	59667	19.45	ug/l	100
37) Ethyl Acetate	4.38	43	62656	19.69	ug/l	99
38) Carbon Tetrachloride	5.14	117	65738	18.92	ug/l	98

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 Quant Title : SW846 8260
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	6.42	83	66130	18.81	ug/l	97
40) Benzene	5.39	78	171395	19.11	ug/l	98
41) Methacrylonitrile	4.55	41	35315	19.99	ug/l	98
42) 1,2-Dichloroethane	5.41	62	65723	19.03	ug/l	99
43) Isopropyl Acetate	5.55	43	101075	19.23	ug/l	99
44) Trichloroethene	6.19	130	48805	19.54	ug/l	95
45) 1,2-Dichloropropane	6.44	63	45208	19.33	ug/l	98
46) Dibromomethane	6.56	93	32621	19.25	ug/l	99
47) Bromodichloromethane	6.76	83	61800	19.12	ug/l	94
48) Methyl methacrylate	6.63	41	52107	20.22	ug/l	99
49) 1,4-Dioxane	6.62	88	24708	394.07	ug/l	96
51) 4-Methyl-2-Pentanone	7.46	43	323881	98.41	ug/l	100
52) Toluene	7.64	92	108373	19.45	ug/l	100
53) t-1,3-Dichloropropene	7.88	75	71477	19.69	ug/l	100
54) cis-1,3-Dichloropropene	7.27	75	72421	19.42	ug/l	98
55) 1,1,2-Trichloroethane	8.07	97	44243	19.11	ug/l	97
56) Ethyl methacrylate	8.02	69	64812	19.59	ug/l	98
57) 1,3-Dichloropropane	8.25	76	75764	19.46	ug/l	99
58) 2-Chloroethyl Vinyl ether	7.13	63	137134	96.02	ug/l	100
59) 2-Hexanone	8.36	43	251576	97.51	ug/l	99
60) Dibromochloromethane	8.48	129	52046	19.06	ug/l	100
61) 1,2-Dibromoethane	8.59	107	49317	19.15	ug/l	99
64) Tetrachloroethene	8.23	164	40831	18.38	ug/l	97
65) Chlorobenzene	9.12	112	127054	19.53	ug/l	99
66) 1,1,1,2-Tetrachloroethane	9.21	131	45838	19.47	ug/l	96
67) Ethyl Benzene	9.25	91	207118	19.22	ug/l	100
68) m/p-Xylenes	9.38	106	164664	39.79	ug/l	97
69) o-Xylene	9.78	106	78239	19.35	ug/l	99
70) Styrene	9.80	104	125536	19.22	ug/l	99
71) Bromoform	9.96	173	39216	19.21	ug/l #	98
73) Isopropylbenzene	10.17	105	210990	19.89	ug/l	99
74) N-amyl acetate	10.01	43	87855	20.29	ug/l	99
75) 1,1,2,2-Tetrachloroethane	10.46	83	72031	19.64	ug/l	97
76) 1,2,3-Trichloropropane	10.50	75	84950	24.81	ug/l	87
77) Bromobenzene	10.45	156	57347	19.60	ug/l	98
78) n-propylbenzene	10.59	91	246249	19.89	ug/l	99
79) 2-Chlorotoluene	10.66	91	147345	20.32	ug/l	100
80) 1,3,5-Trimethylbenzene	10.78	105	183620	20.38	ug/l	99
81) trans-1,4-Dichloro-2-buten	10.50	75	84950	62.21	ug/l #	100
82) 4-Chlorotoluene	10.78	91	169497	19.83	ug/l	99
83) tert-Butylbenzene	11.10	119	179490	20.05	ug/l	98
84) 1,2,4-Trimethylbenzene	11.15	105	186933	20.48	ug/l	99
85) sec-Butylbenzene	11.33	105	219760	20.11	ug/l	100
86) p-Isopropyltoluene	11.48	119	194459	19.87	ug/l	99
87) 1,3-Dichlorobenzene	11.42	146	105986	19.52	ug/l	99
88) 1,4-Dichlorobenzene	11.51	146	105946	18.72	ug/l	97
89) n-Butylbenzene	11.89	91	174503	19.33	ug/l	99
90) Hexachloroethane	12.15	117	33518	19.27	ug/l	97
91) 1,2-Dichlorobenzene	11.88	146	106158	19.94	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	12.66	75	17639	20.28	ug/l	97

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

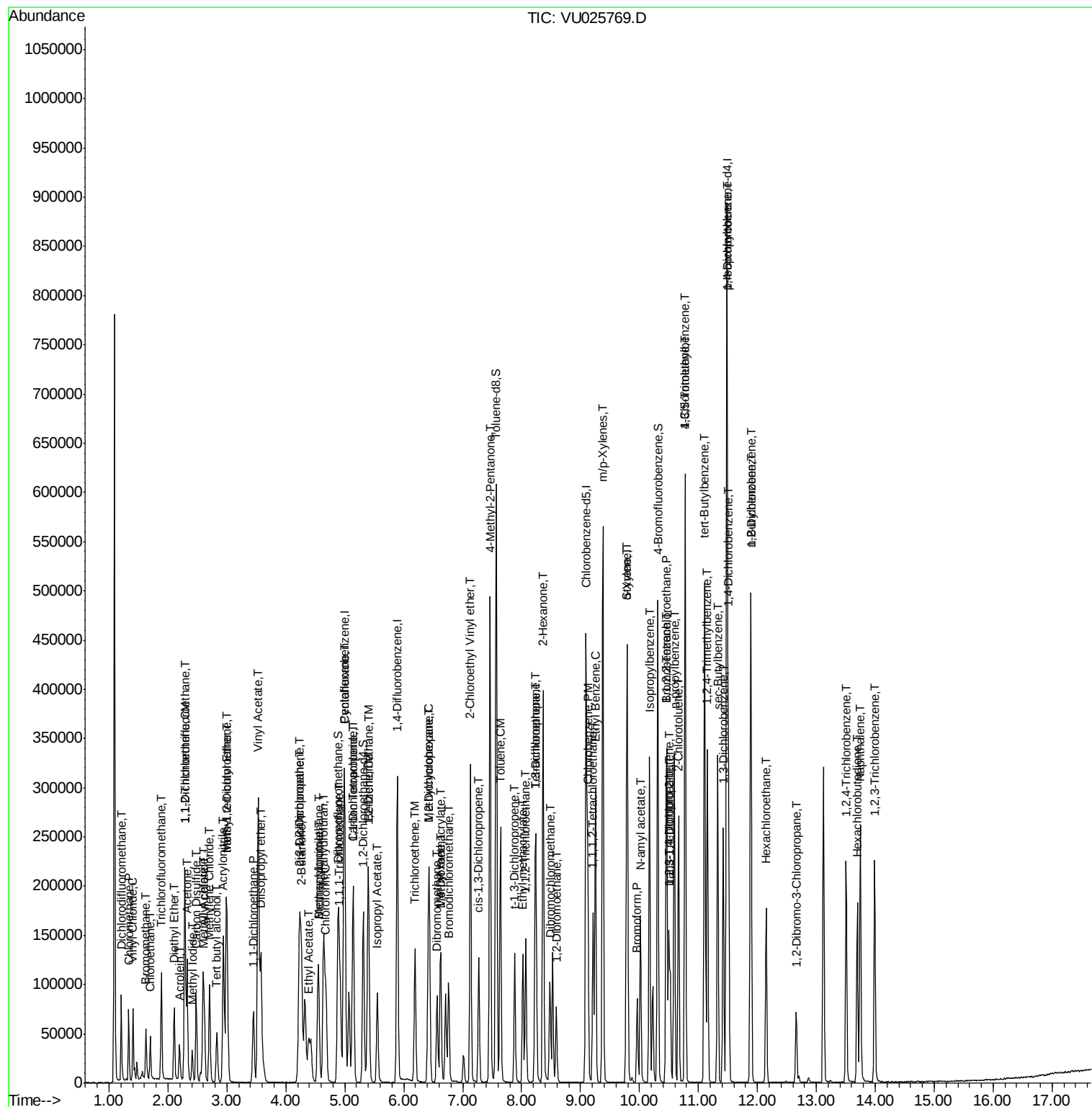
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.51	180	71309	19.85	ug/l	99
94) Hexachlorobutadiene	13.70	225	33932	17.92	ug/l	97
95) Naphthalene	13.74	128	216913	19.58	ug/l	99
96) 1,2,3-Trichlorobenzene	13.99	180	72693	20.28	ug/l	99

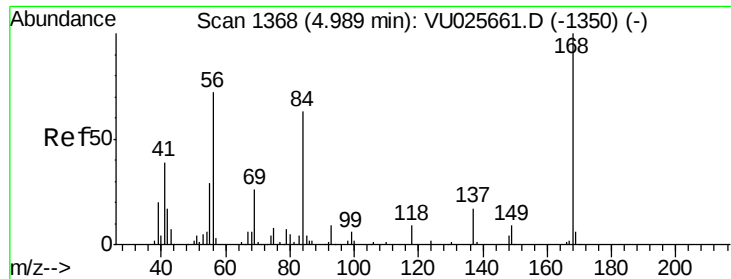
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 4.99 min Scan# 1368

Delta R.T. 0.00 min

Lab File: VU025769.D

Acq: 01 Aug 2018 12:07

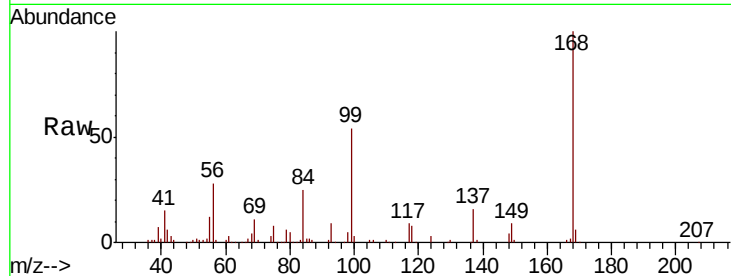
Instrument :
MSVOA_U
ClientSampleId :

Tot Ion:168 Resp: 174118

Ion Ratio Lower Upper

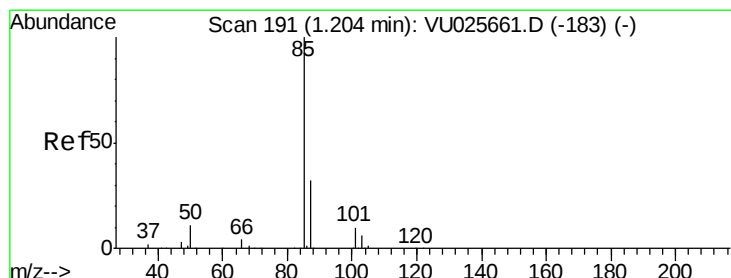
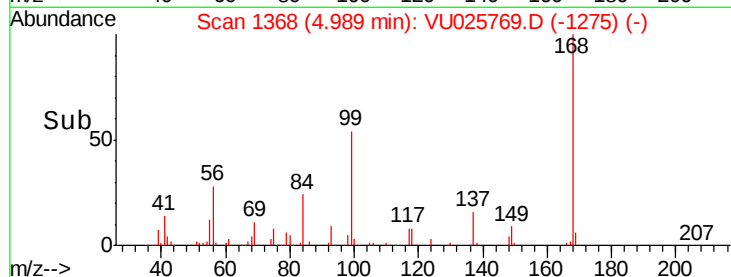
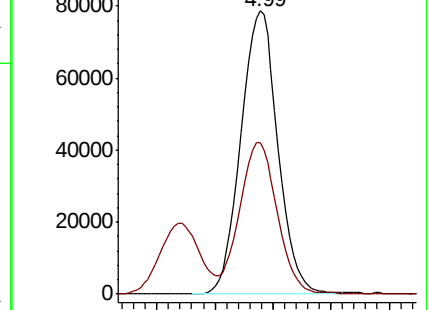
168 100

99 53.4 42.8 64.2



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

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



#2

Dichlorodifluoromethane

Concen: 20.32 ug/l

RT: 1.21 min Scan# 192

Delta R.T. 0.00 min

Lab File: VU025769.D

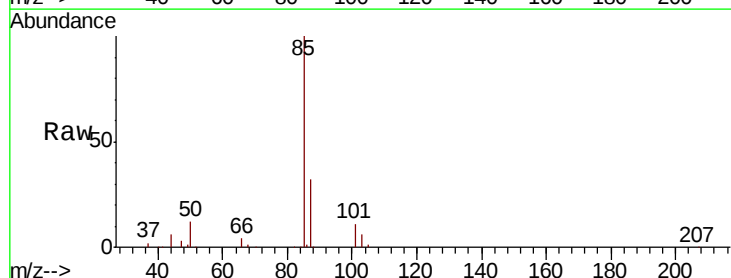
Acq: 01 Aug 2018 12:07

Tgt Ion: 85 Resp: 53480

Ion Ratio Lower Upper

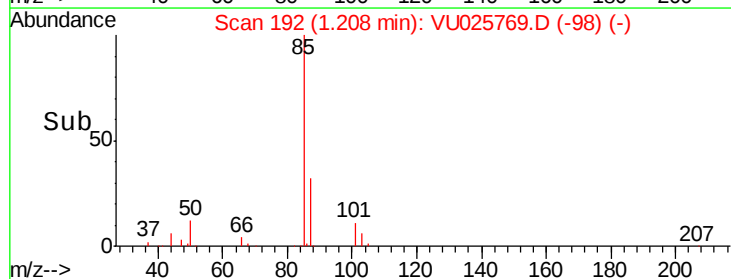
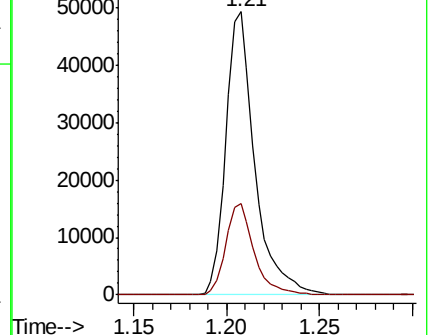
85 100

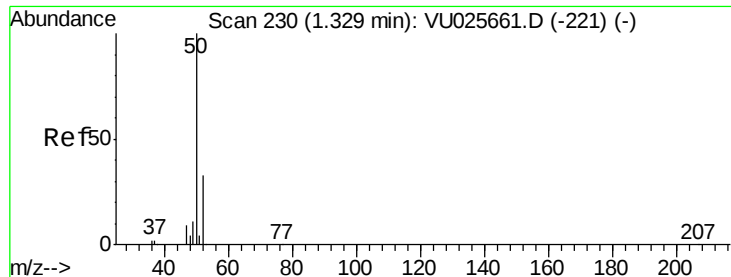
87 32.1 16.5 49.5



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

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





#3

Chloromethane

Concen: 19.47 ug/l

RT: 1.33 min Scan# 231

Delta R.T. 0.00 min

Lab File: VU025769.D

Acq: 01 Aug 2018 12:07

Instrument :

MSVOA_U

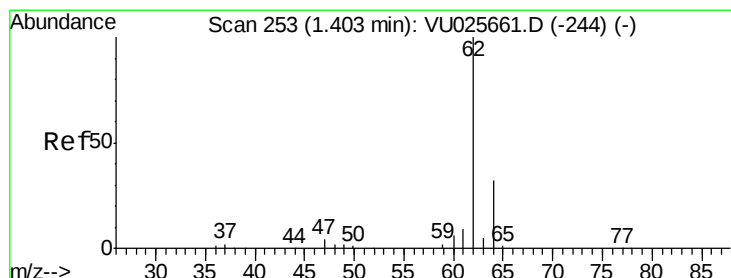
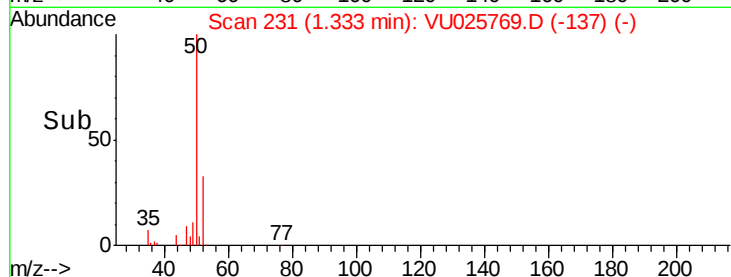
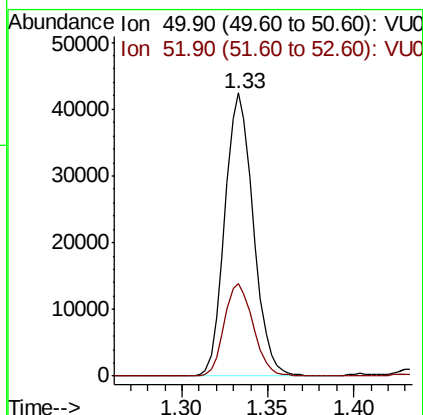
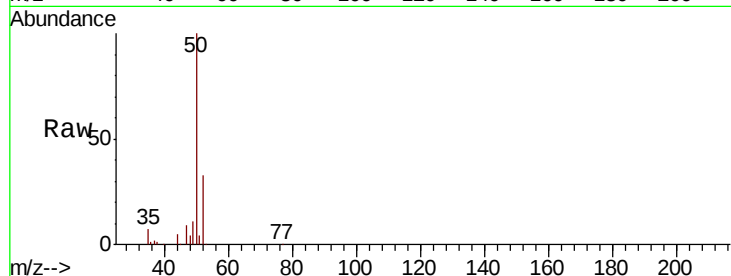
ClientSampleId :

Tot Ion: 50 Resp: 48972

Ion Ratio Lower Upper

50 100

52 32.5 26.5 39.7



#4

Vinyl Chloride

Concen: 18.94 ug/l

RT: 1.40 min Scan# 253

Delta R.T. 0.00 min

Lab File: VU025769.D

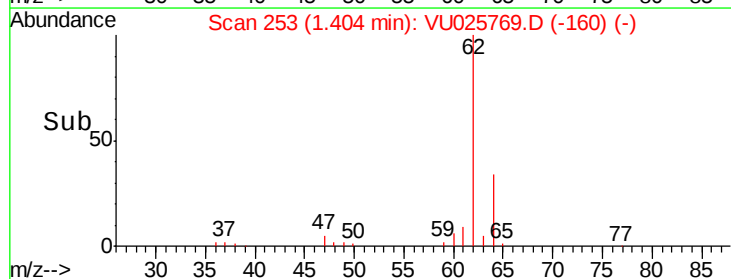
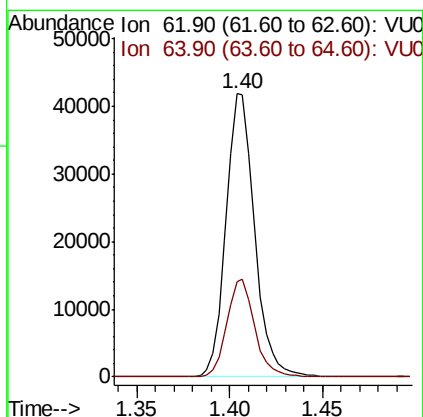
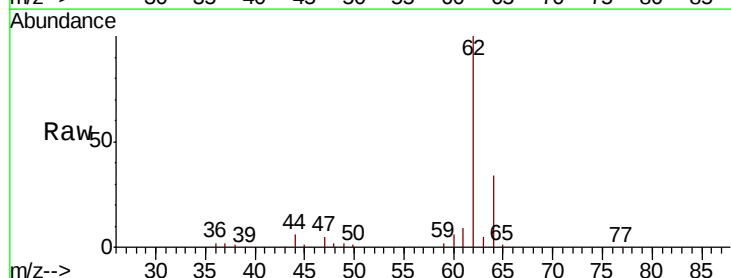
Acq: 01 Aug 2018 12:07

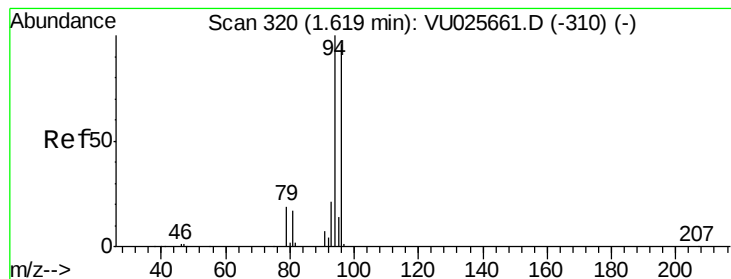
Tgt Ion: 62 Resp: 44826

Ion Ratio Lower Upper

62 100

64 33.8 25.4 38.0





#5

Bromomethane

Concen: 20.29 ug/l

RT: 1.63 min Scan# 322

Delta R.T. 0.01 min

Lab File: VU025769.D

Acq: 01 Aug 2018 12:07

Instrument :

MSVOA_U

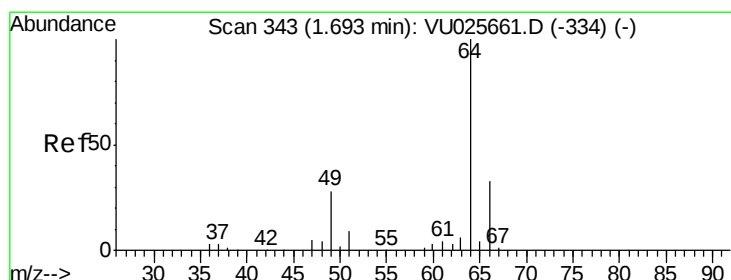
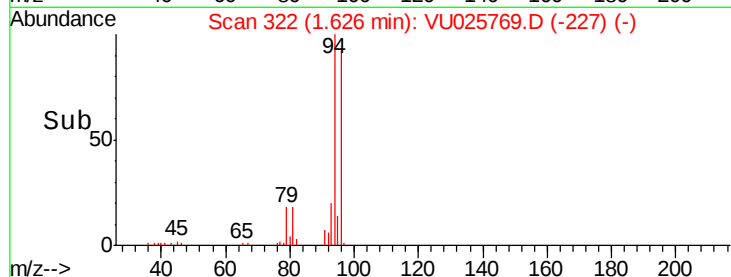
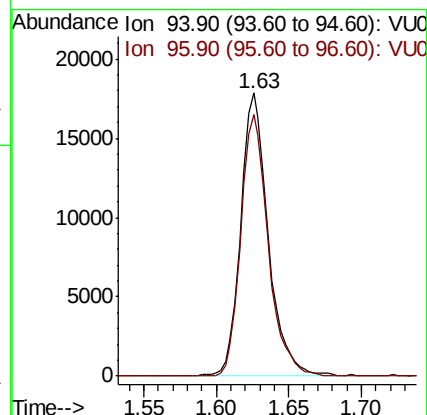
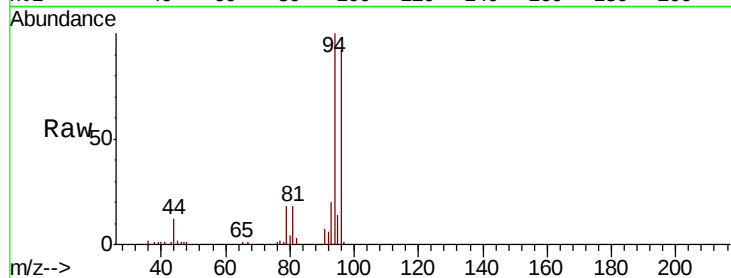
ClientSampleId :

Tot Ion: 94 Resp: 23456

Ion Ratio Lower Upper

94 100

96 92.4 75.0 112.4



#6

Chloroethane

Concen: 19.48 ug/l

RT: 1.70 min Scan# 345

Delta R.T. 0.01 min

Lab File: VU025769.D

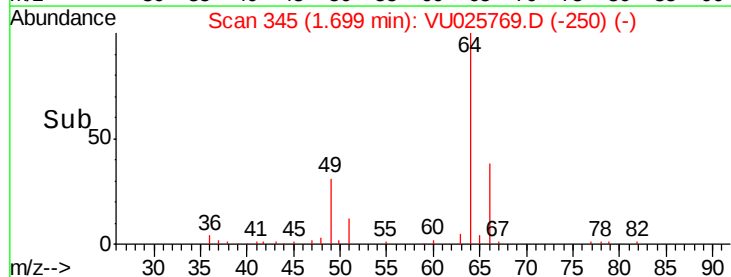
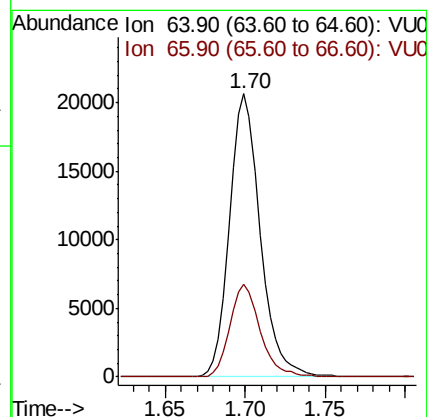
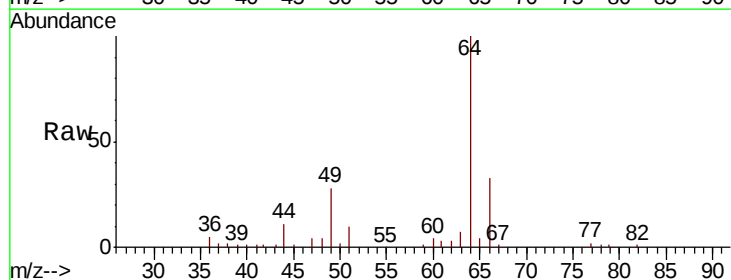
Acq: 01 Aug 2018 12:07

Tgt Ion: 64 Resp: 26956

Ion Ratio Lower Upper

64 100

66 32.8 25.0 37.4





#7

Trichlorofluoromethane

Concen: 19.35 ug/l

RT: 1.89 min Scan# 403

Delta R.T. 0.00 min

Lab File: VU025769.D

Acq: 01 Aug 2018 12:07

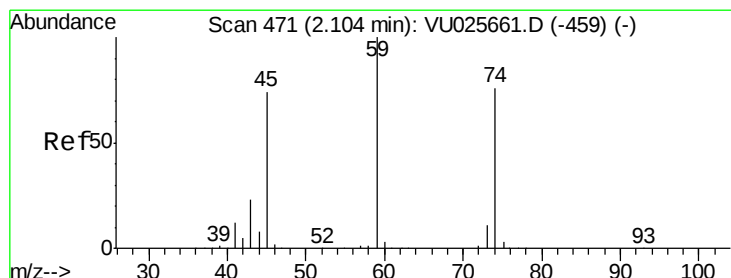
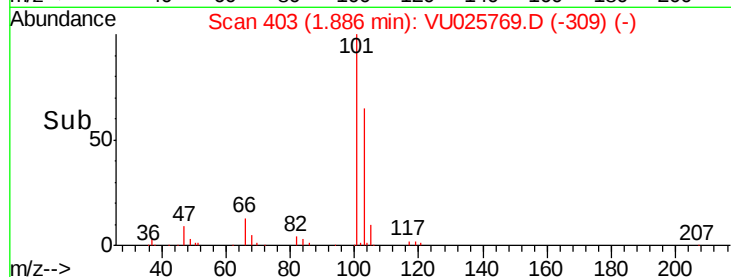
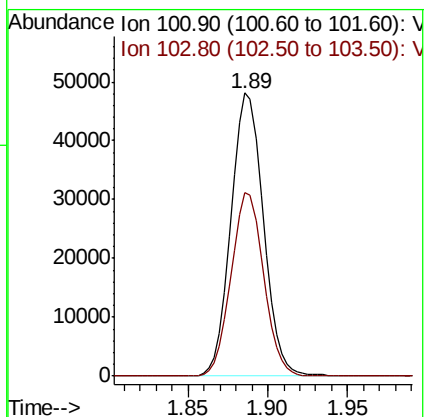
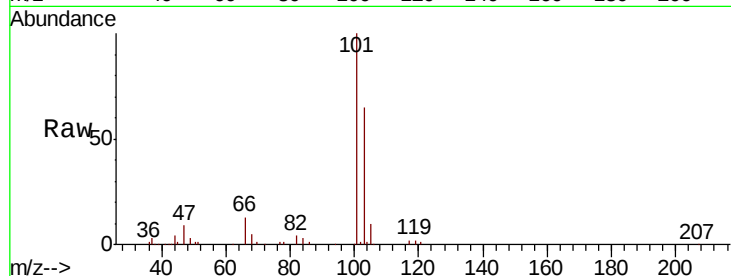
Instrument :
MSVOA_U
ClientSampleId :

Tot Ion:101 Resp: 66222

Ion Ratio Lower Upper

101 100

103 64.9 52.2 78.2



#8

Diethyl Ether

Concen: 18.87 ug/l

RT: 2.10 min Scan# 471

Delta R.T. 0.00 min

Lab File: VU025769.D

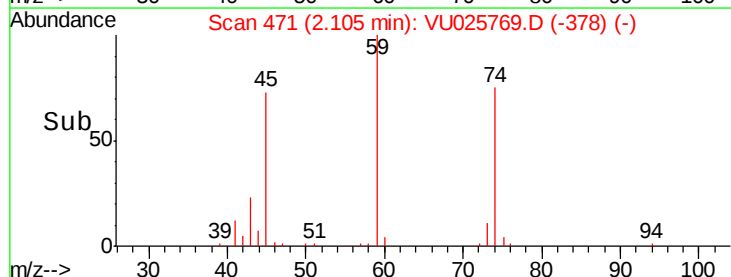
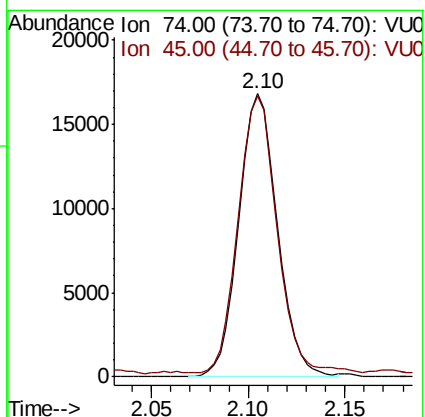
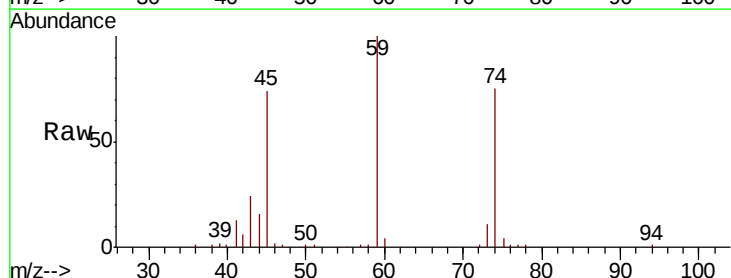
Acq: 01 Aug 2018 12:07

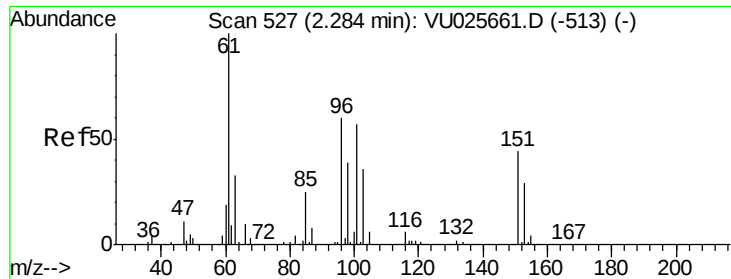
Tgt Ion: 74 Resp: 23368

Ion Ratio Lower Upper

74 100

45 97.9 48.3 144.9





#9

1,1,2-Trichlorotrifluoroethane

Concen: 19.90 ug/l

RT: 2.29 min Scan# 528

Delta R.T. 0.00 min

Lab File: VU025769.D

Acq: 01 Aug 2018 12:07

Instrument :

MSVOA_U

ClientSampleId :

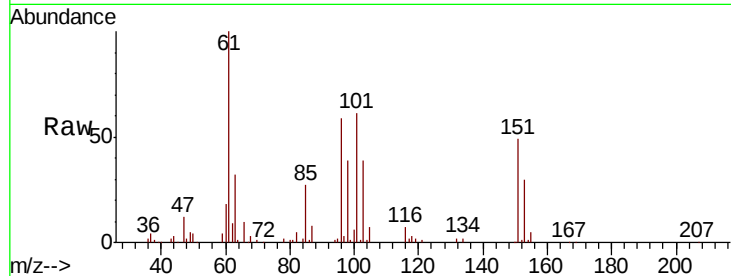
Tot Ion:101 Resp: 39405

Ion Ratio Lower Upper

101 100

85 43.5 36.0 54.0

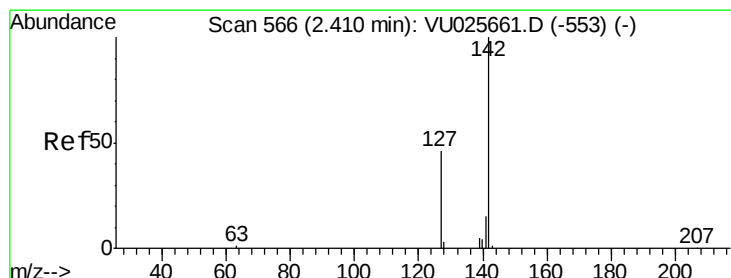
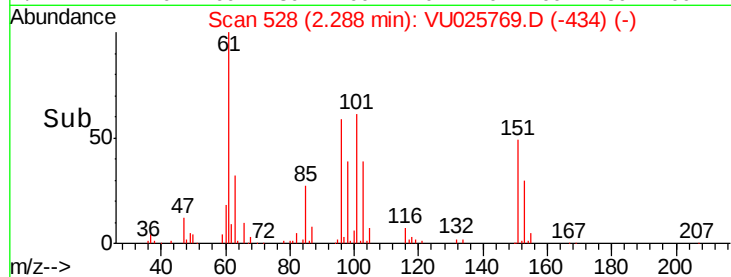
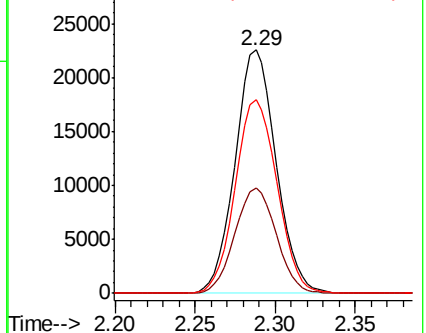
151 81.1 65.6 98.4



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: 22.55 ug/l

RT: 2.41 min Scan# 567

Delta R.T. 0.00 min

Lab File: VU025769.D

Acq: 01 Aug 2018 12:07

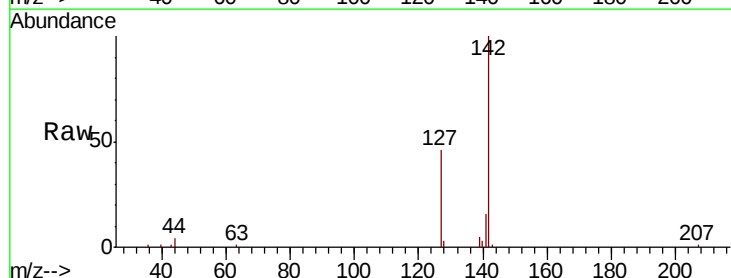
Tgt Ion:142 Resp: 31139

Ion Ratio Lower Upper

142 100

127 46.5 36.5 54.7

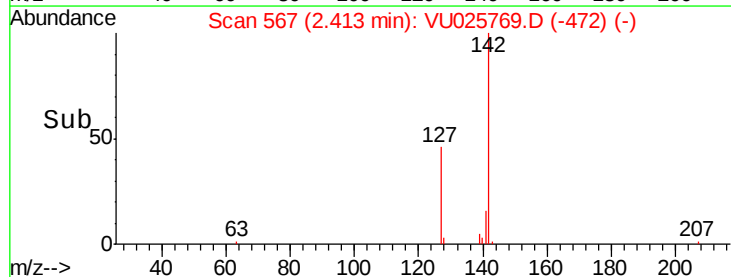
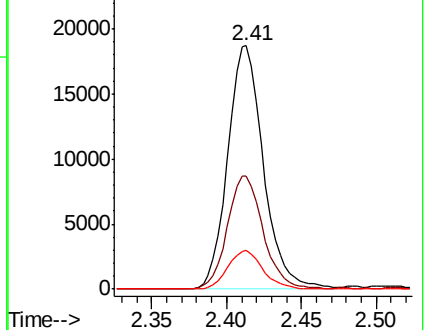
141 15.5 11.4 17.2

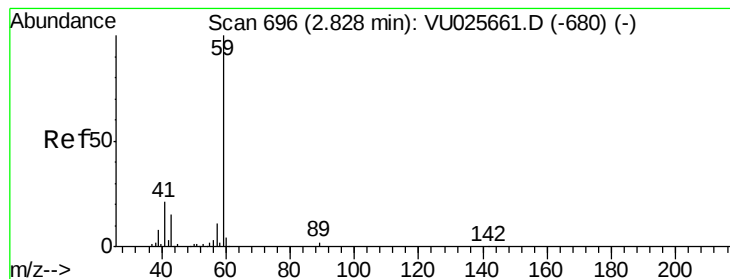


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V





#11

Tert butyl alcohol

Concen: 97.56 ug/l

RT: 2.83 min Scan# 696

Delta R.T. 0.00 min

Lab File: VU025769.D

Acq: 01 Aug 2018 12:07

Instrument :

MSVOA_U

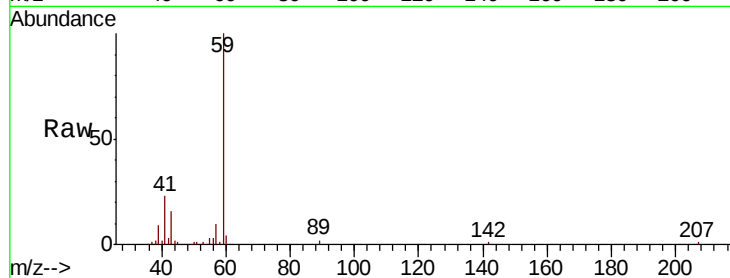
ClientSampleId :

Tot Ion: 59 Resp: 57950

Ion Ratio Lower Upper

59 100

57 10.0 8.2 12.2



Abundance Ion 59.00 (58.70 to 59.70): VU025661.D (-680) (-)

Ion 57.00 (56.70 to 57.70): VU025661.D (-680) (-)

2.83

30000

25000

20000

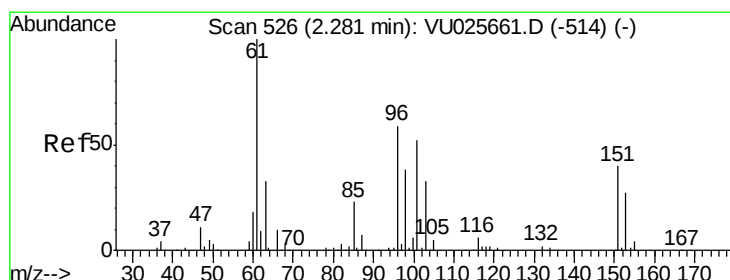
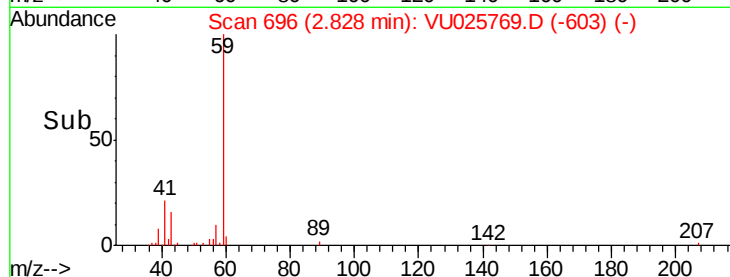
15000

10000

5000

0

Time-->



#12

1,1-Dichloroethene

Concen: 18.94 ug/l

RT: 2.28 min Scan# 527

Delta R.T. 0.00 min

Lab File: VU025769.D

Acq: 01 Aug 2018 12:07

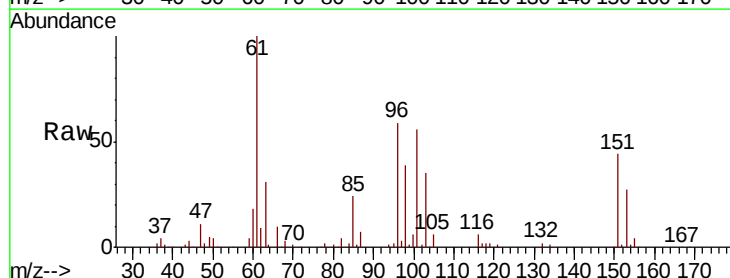
Tgt Ion: 96 Resp: 35413

Ion Ratio Lower Upper

96 100

61 170.1 140.2 210.4

98 65.7 49.3 73.9



Abundance Ion 95.90 (95.60 to 96.60): VU025661.D (-514) (-)

Ion 60.90 (60.60 to 61.60): VU025661.D (-514) (-)

Ion 97.90 (97.60 to 98.60): VU025661.D (-514) (-)

2.28

50000

40000

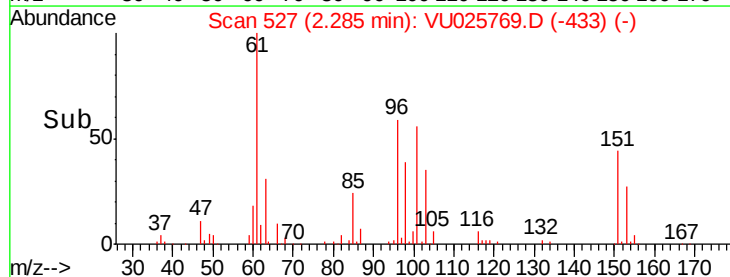
30000

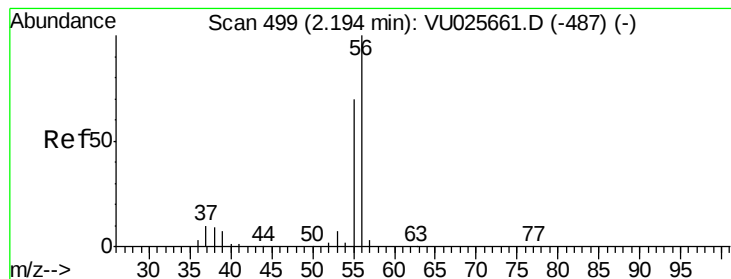
20000

10000

0

Time-->





#13

Acrolein

Concen: 114.30 ug/l

RT: 2.19 min Scan# 499

Delta R.T. 0.00 min

Lab File: VU025769.D

Acq: 01 Aug 2018 12:07

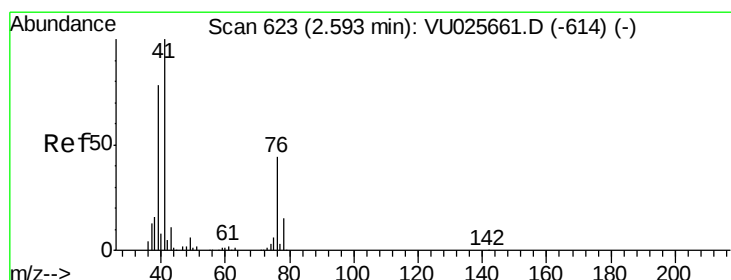
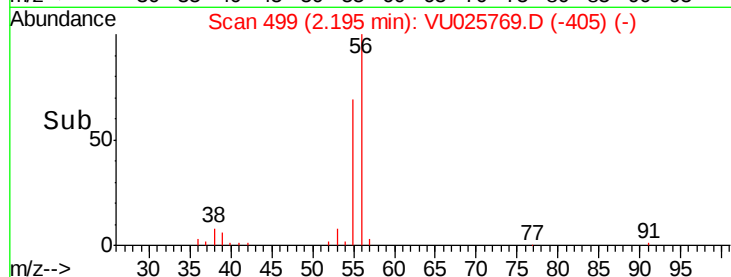
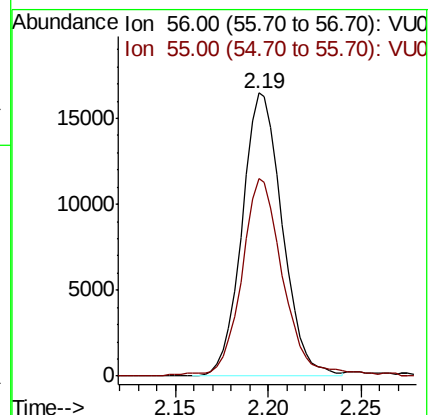
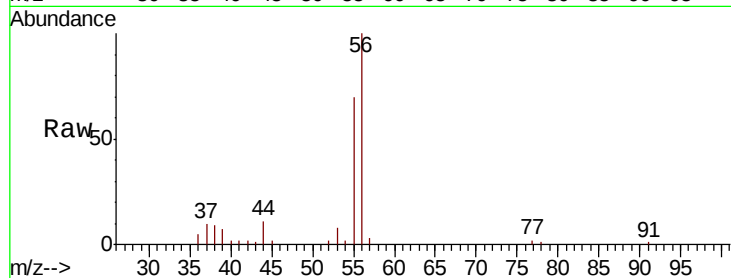
Instrument :
MSVOA_U
ClientSampled :

Tot Ion: 56 Resp: 24824

Ion Ratio Lower Upper

56 100

55 71.7 57.2 85.8



#14

Allyl chloride

Concen: 18.54 ug/l

RT: 2.59 min Scan# 623

Delta R.T. 0.00 min

Lab File: VU025769.D

Acq: 01 Aug 2018 12:07

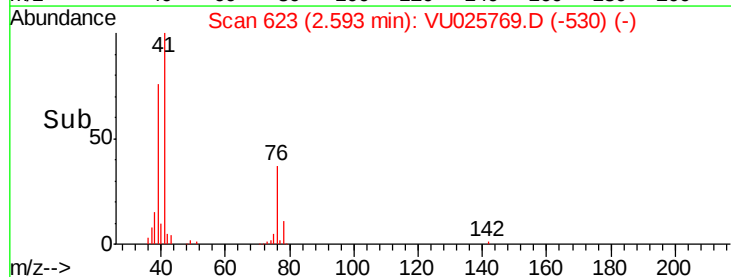
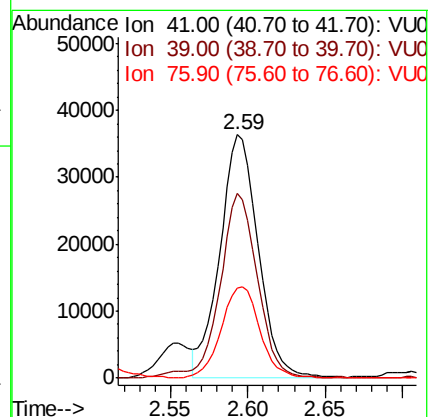
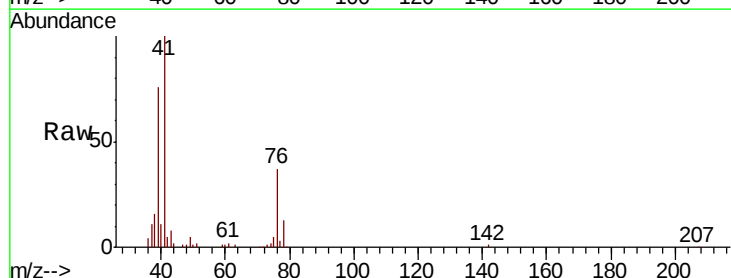
Tgt Ion: 41 Resp: 62296

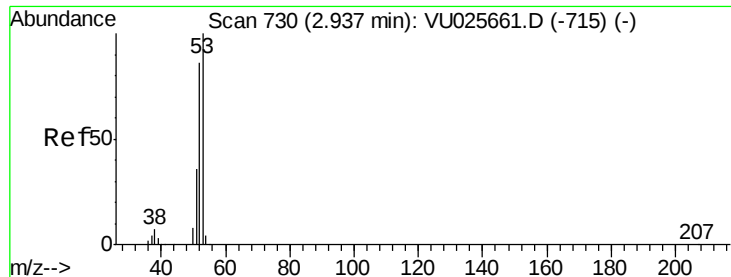
Ion Ratio Lower Upper

41 100

39 74.9 60.6 91.0

76 37.9 30.5 45.7





#15

Acrylonitrile

Concen: 99.64 ug/l

RT: 2.94 min Scan# 730

Delta R.T. 0.00 min

Lab File: VU025769.D

Acq: 01 Aug 2018 12:07

Instrument :

MSVOA_U

ClientSampleId :

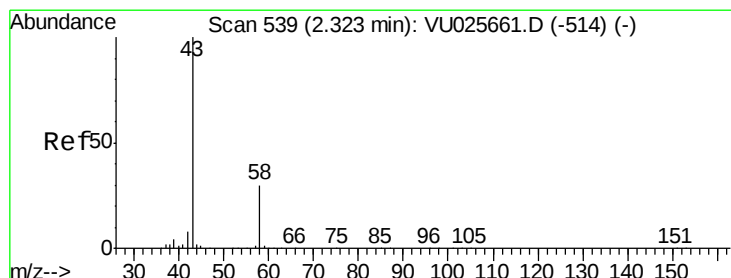
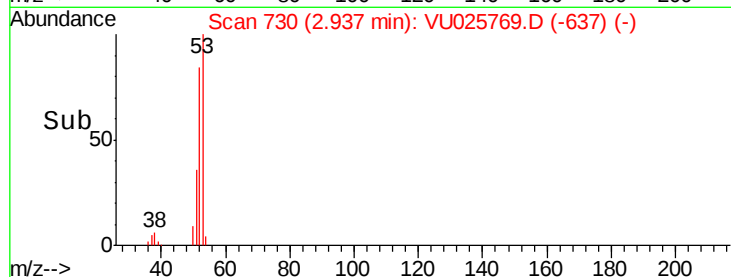
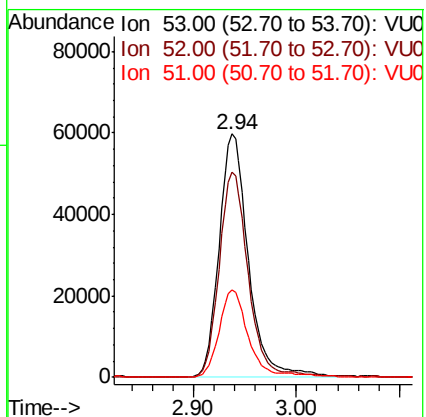
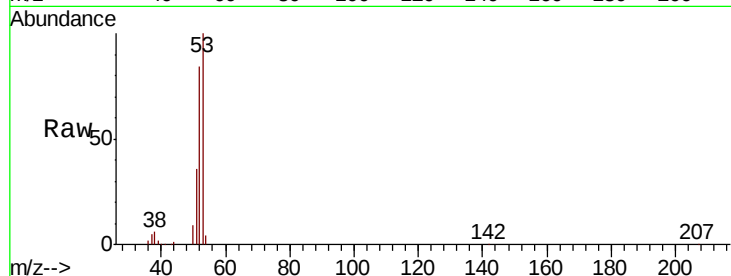
Tot Ion: 53 Resp: 118167

Ion Ratio Lower Upper

53 100

52 83.2 66.6 99.8

51 36.2 29.4 44.2



#16

Acetone

Concen: 94.06 ug/l

RT: 2.32 min Scan# 539

Delta R.T. 0.00 min

Lab File: VU025769.D

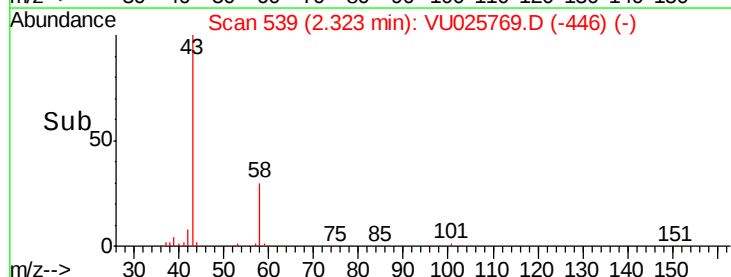
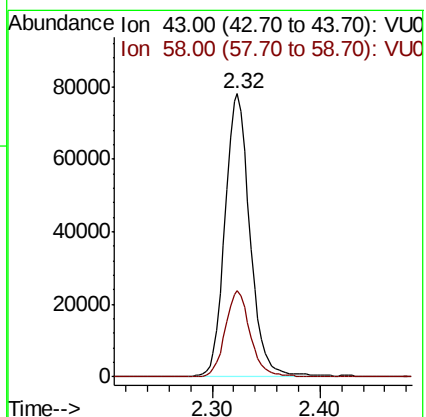
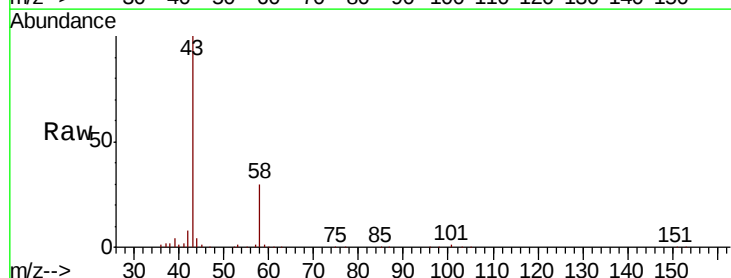
Acq: 01 Aug 2018 12:07

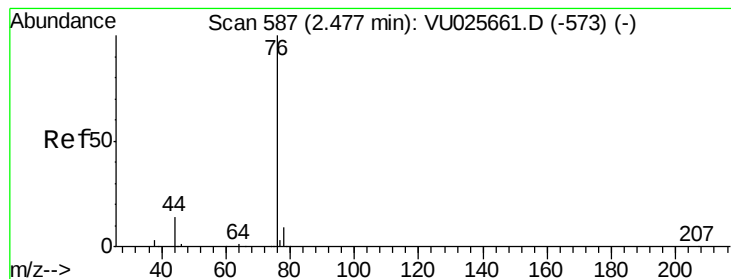
Tgt Ion: 43 Resp: 124416

Ion Ratio Lower Upper

43 100

58 30.4 23.1 34.7





#17

Carbon Disulfide

Concen: 18.19 ug/l

RT: 2.48 min Scan# 587

Delta R.T. 0.00 min

Lab File: VU025769.D

Acq: 01 Aug 2018 12:07

Instrument :

MSVOA_U

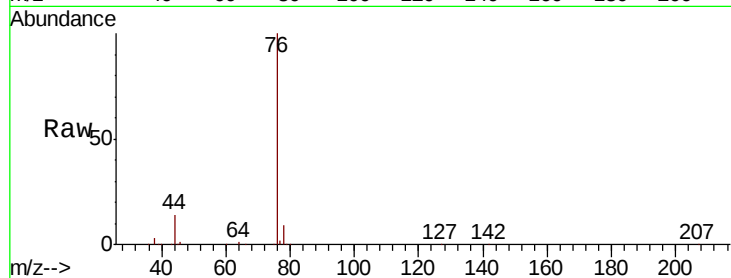
ClientSampleId :

Tot Ion: 76 Resp: 110066

Ion Ratio Lower Upper

76 100

78 9.4 7.4 11.2



Abundance Ion 75.90 (75.60 to 76.60): VU025661.D (-573) (-)

Ion 77.90 (77.60 to 78.60): VU025661.D (-573) (-)

2.48

80000

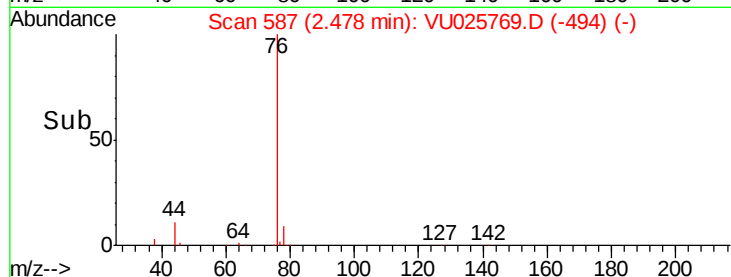
60000

40000

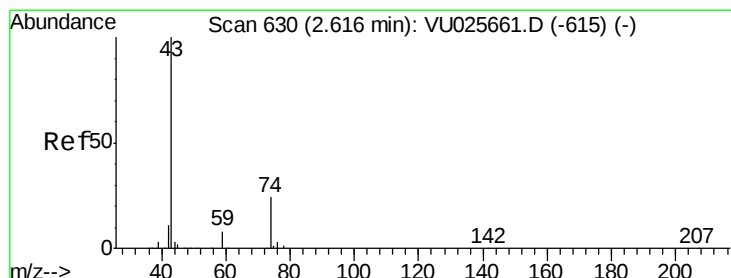
20000

0

Time-->



Time-->



#18

Methyl Acetate

Concen: 23.45 ug/l

RT: 2.62 min Scan# 631

Delta R.T. 0.00 min

Lab File: VU025769.D

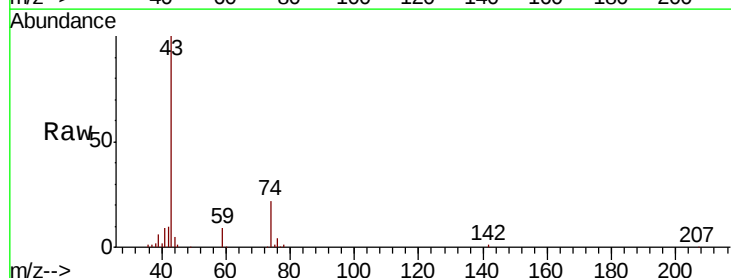
Acq: 01 Aug 2018 12:07

Tgt Ion: 43 Resp: 74669

Ion Ratio Lower Upper

43 100

74 22.8 18.5 27.7



Abundance Ion 43.00 (42.70 to 43.70): VU025661.D (-615) (-)

Ion 74.00 (73.70 to 74.70): VU025661.D (-615) (-)

2.62

50000

40000

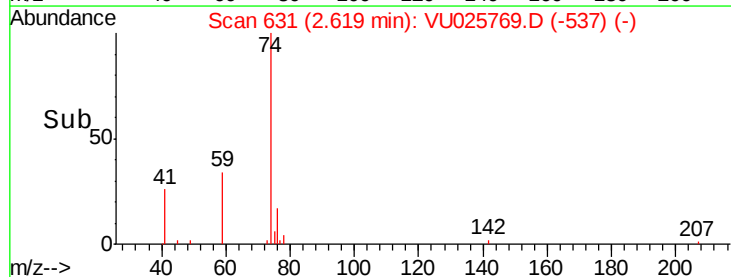
30000

20000

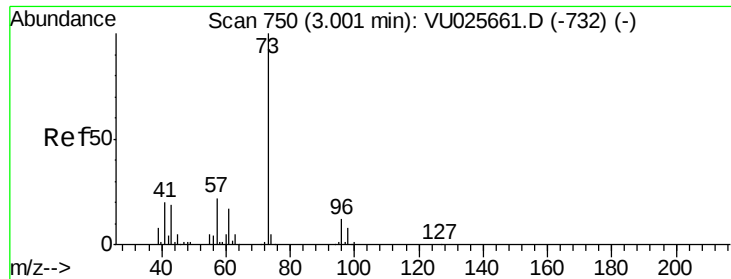
10000

0

Time-->



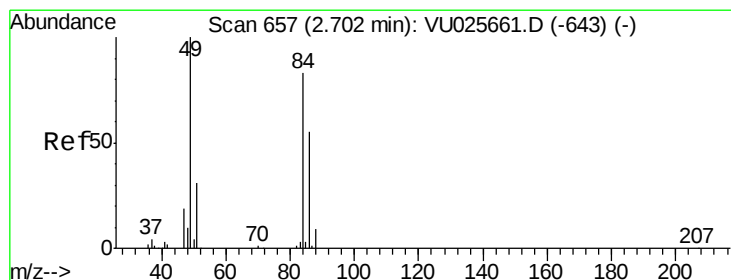
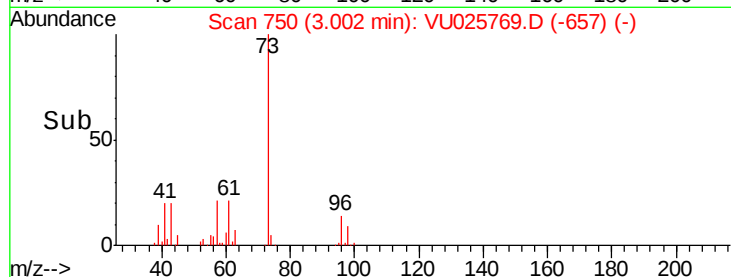
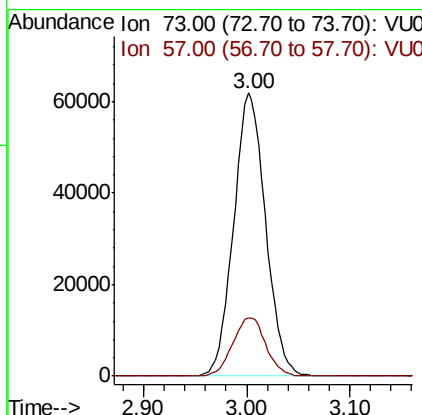
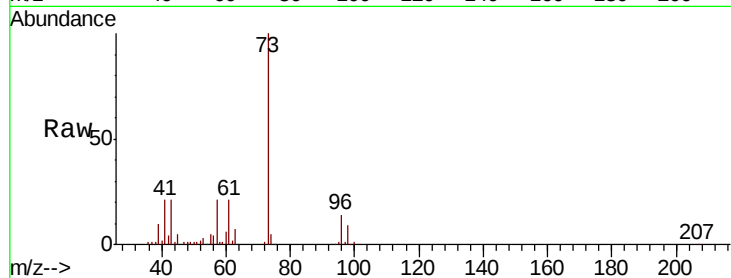
Time-->



#19
Methvl tert-butvl Ether
Concen: 19.70 ug/l
RT: 3.00 min Scan# 750
Delta R.T. 0.00 min
Lab File: VU025769.D
Acq: 01 Aug 2018 12:07

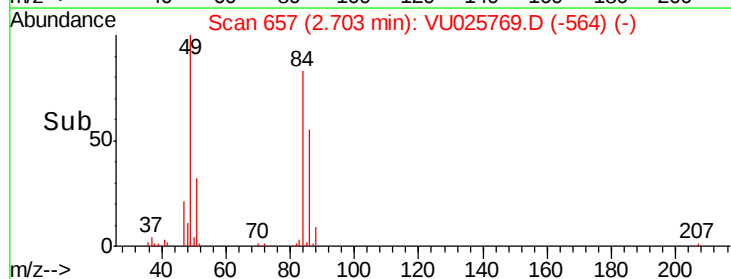
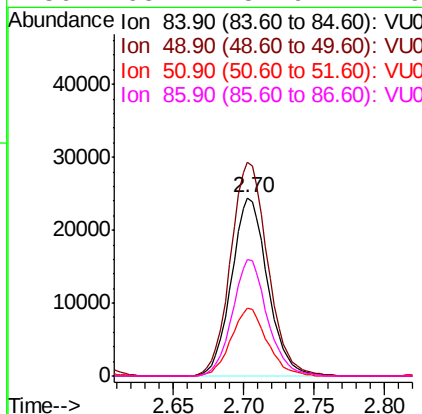
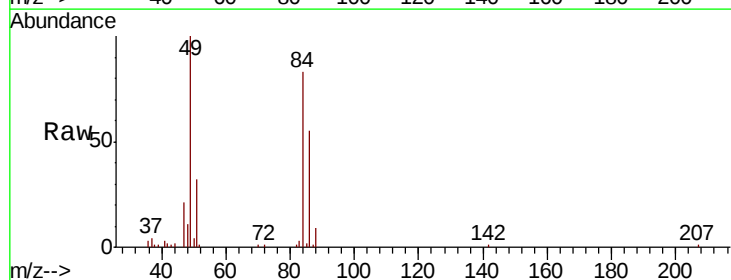
Instrument :
MSVOA_U
ClientSampleId :

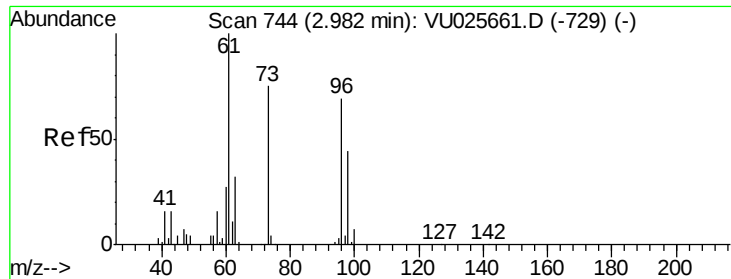
Tot Ion: 73 Resp: 133482
Ion Ratio Lower Upper
73 100
57 20.5 17.4 26.2



#20
Methylene Chloride
Concen: 18.75 ug/l
RT: 2.70 min Scan# 657
Delta R.T. 0.00 min
Lab File: VU025769.D
Acq: 01 Aug 2018 12:07

Tgt Ion: 84 Resp: 43963
Ion Ratio Lower Upper
84 100
49 119.8 101.8 152.6
51 37.9 30.8 46.2
86 65.4 51.9 77.9





#21

trans-1,2-Dichloroethene

Concen: 19.21 ug/l

RT: 2.99 min Scan# 745

Delta R.T. 0.00 min

Lab File: VU025769.D

Acq: 01 Aug 2018 12:07

Instrument :

MSVOA_U

ClientSampleId :

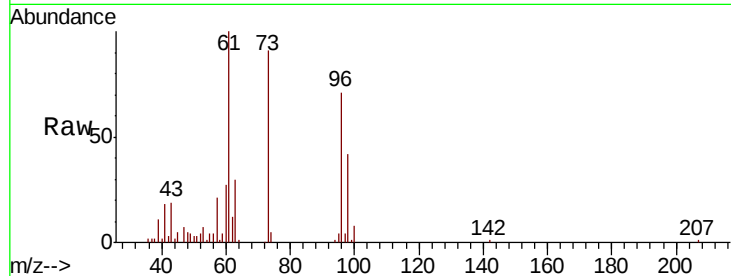
Tot Ion: 96 Resp: 41510

Ion Ratio Lower Upper

96 100

61 141.0 114.5 171.7

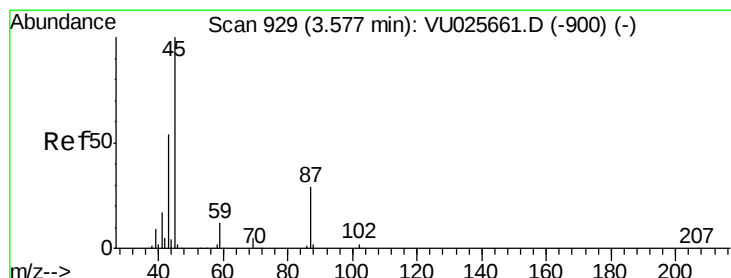
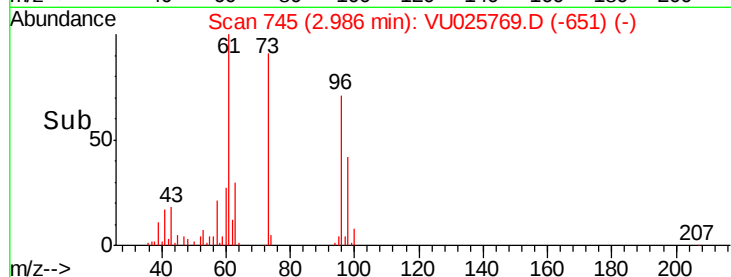
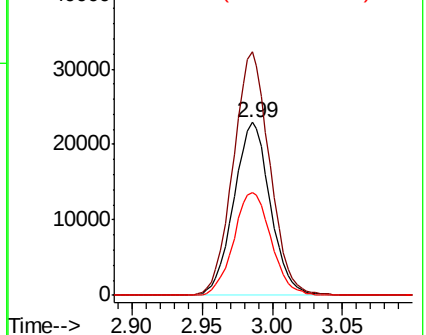
98 59.9 50.5 75.7



Abundance Ion 95.90 (95.60 to 96.60): VU025661.D (-729) (-)

Ion 60.90 (60.60 to 61.60): VU025661.D (-729) (-)

Ion 97.90 (97.60 to 98.60): VU025661.D (-729) (-)



#22

Diisopropyl ether

Concen: 19.72 ug/l

RT: 3.58 min Scan# 929

Delta R.T. 0.00 min

Lab File: VU025769.D

Acq: 01 Aug 2018 12:07

Tgt Ion: 45 Resp: 130526

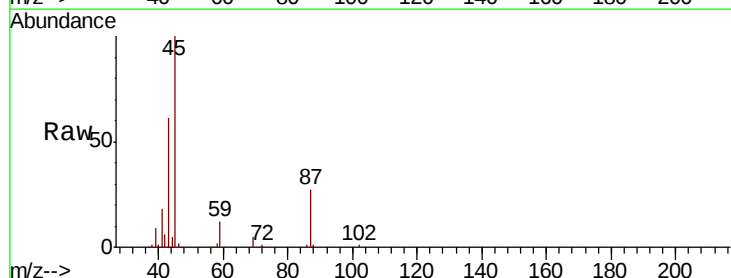
Ion Ratio Lower Upper

45 100

43 59.3 50.9 76.3

87 27.4 23.8 35.8

59 12.5 9.0 13.4

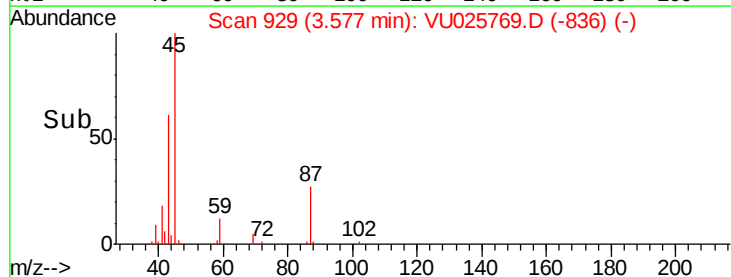
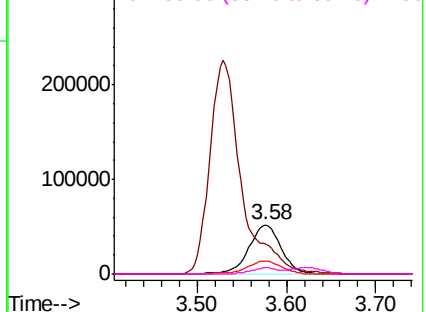


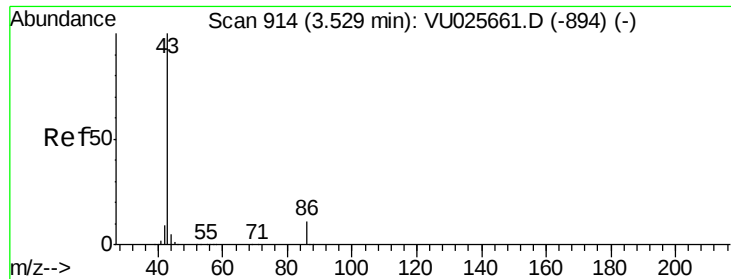
Abundance Ion 45.00 (44.70 to 45.70): VU025661.D (-900) (-)

Ion 43.00 (42.70 to 43.70): VU025661.D (-900) (-)

Ion 87.00 (86.70 to 87.70): VU025661.D (-900) (-)

Ion 59.00 (58.70 to 59.70): VU025661.D (-900) (-)

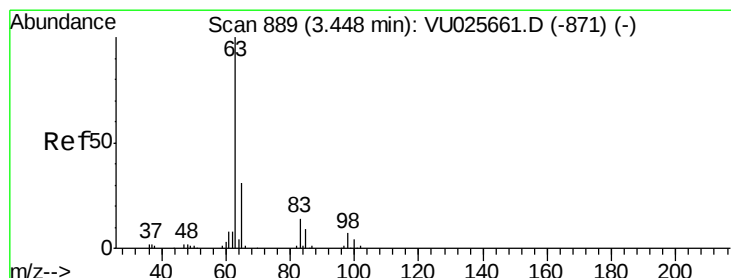
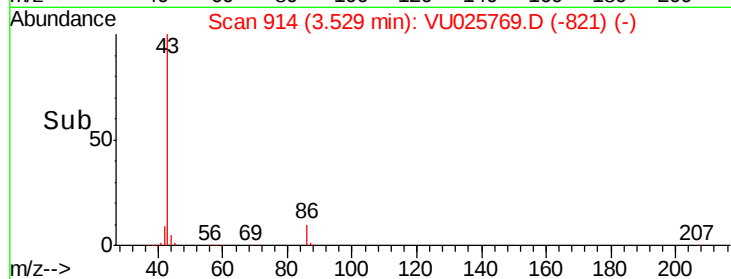
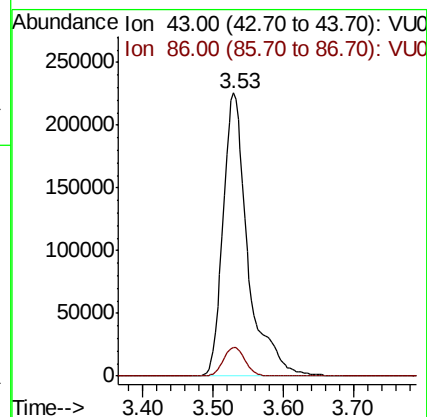
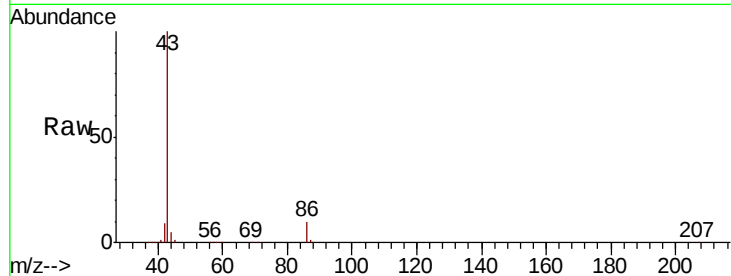




#23
 Vinyl Acetate
 Concen: 96.22 ug/l
 RT: 3.53 min Scan# 914
 Delta R.T. 0.00 min
 Lab File: VU025769.D
 Acq: 01 Aug 2018 12:07

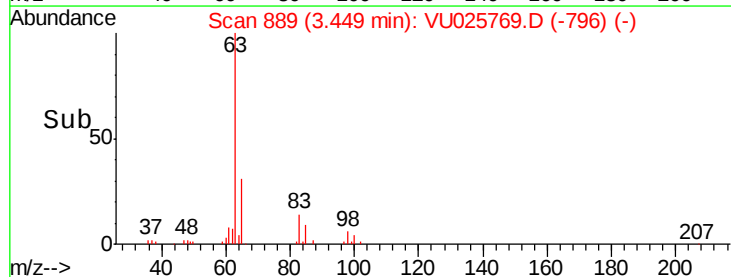
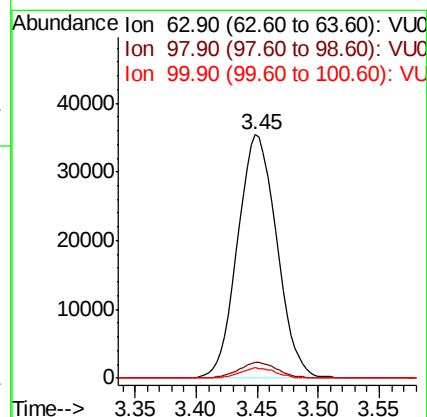
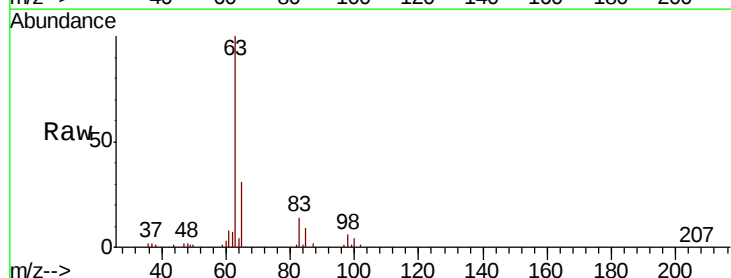
Instrument :
 MSVOA_U
 ClientSampled :

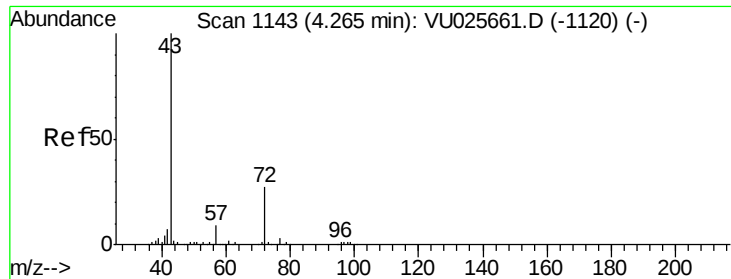
Tot Ion: 43 Resp: 555162
 Ion Ratio Lower Upper
 43 100
 86 10.1 8.2 12.2



#24
 1,1-Dichloroethane
 Concen: 19.82 ug/l
 RT: 3.45 min Scan# 889
 Delta R.T. 0.00 min
 Lab File: VU025769.D
 Acq: 01 Aug 2018 12:07

Tgt Ion: 63 Resp: 78764
 Ion Ratio Lower Upper
 63 100
 98 6.5 3.4 10.1
 100 4.1 2.0 6.0

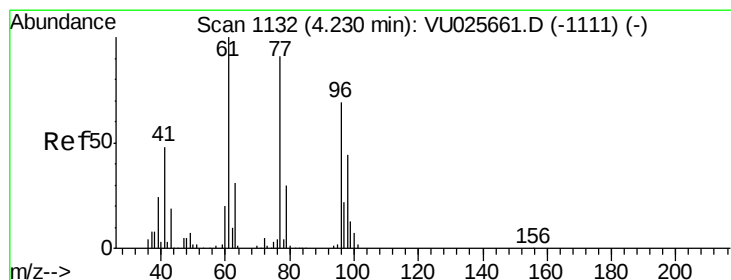
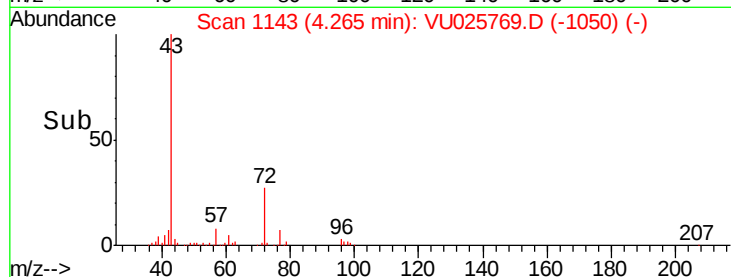
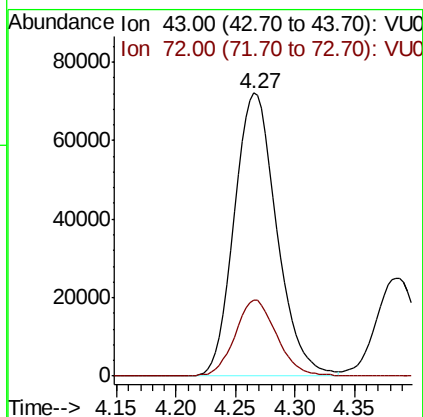
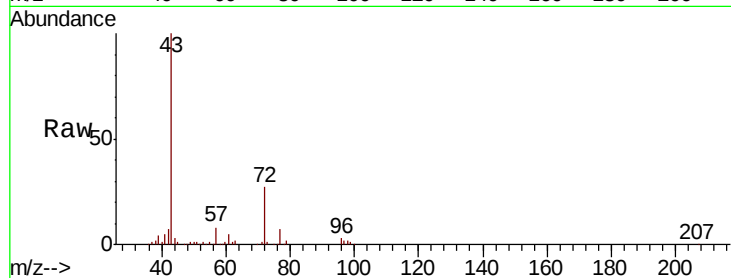




#25
 2-Butanone
 Concen: 98.50 ug/l
 RT: 4.27 min Scan# 1143
 Delta R.T. 0.00 min
 Lab File: VU025769.D
 Acq: 01 Aug 2018 12:07

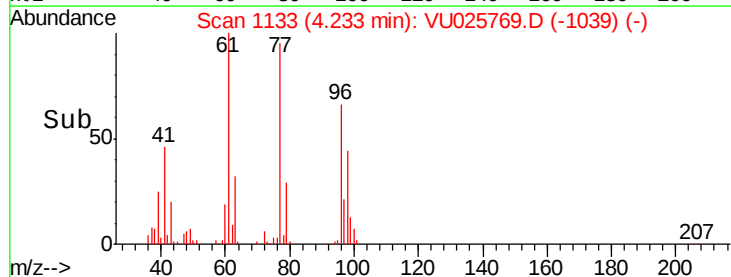
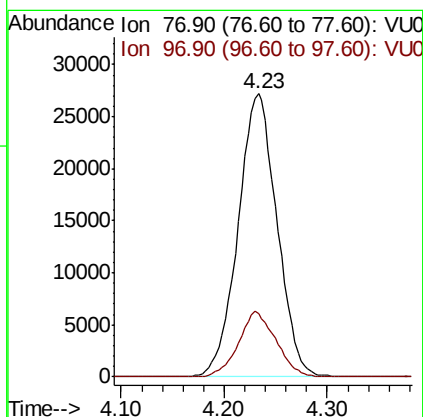
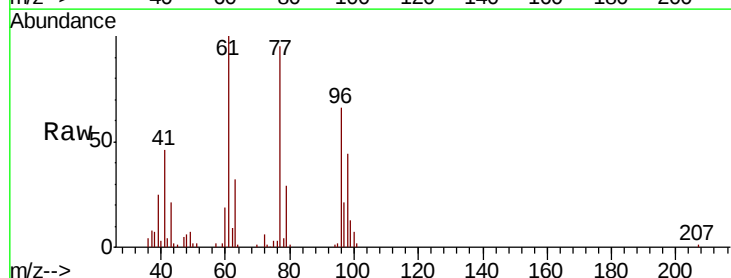
Instrument :
 MSVOA_U
 ClientSampled :

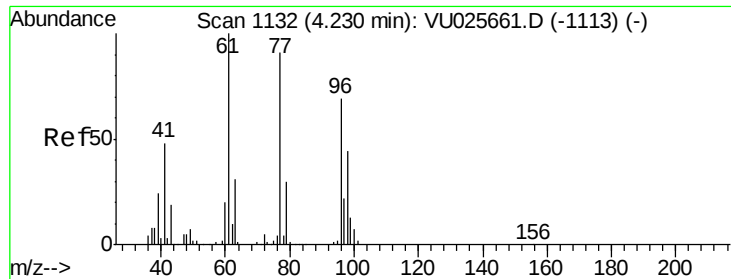
Tot Ion: 43 Resp: 177347
 Ion Ratio Lower Upper
 43 100
 72 26.9 21.0 31.4



#26
 2,2-Dichloropropane
 Concen: 19.70 ug/l
 RT: 4.23 min Scan# 1133
 Delta R.T. 0.00 min
 Lab File: VU025769.D
 Acq: 01 Aug 2018 12:07

Tgt Ion: 77 Resp: 71177
 Ion Ratio Lower Upper
 77 100
 97 22.2 11.2 33.5

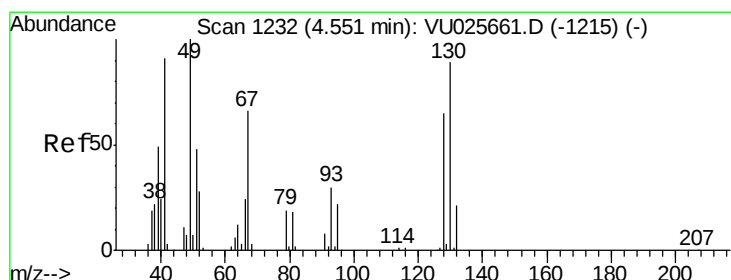
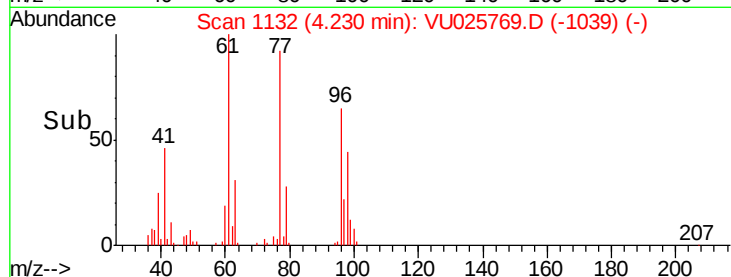
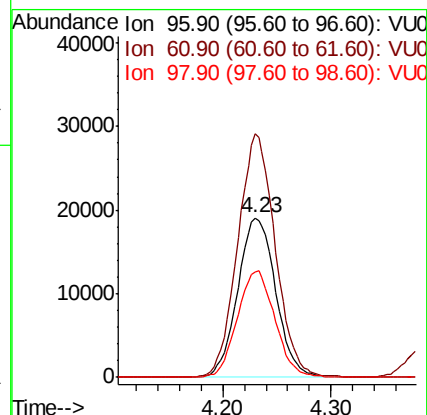
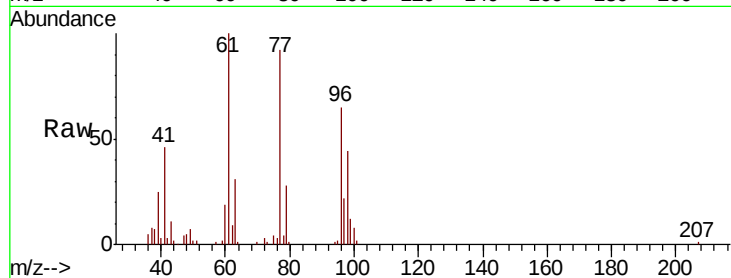




#27
 cis-1,2-Dichloroethene
 Concen: 19.23 ug/l
 RT: 4.23 min Scan# 1132
 Delta R.T. 0.00 min
 Lab File: VU025769.D
 Acq: 01 Aug 2018 12:07

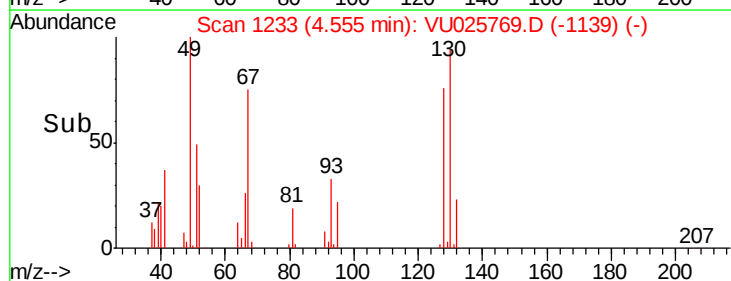
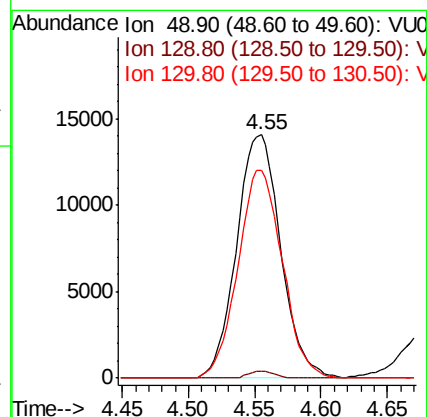
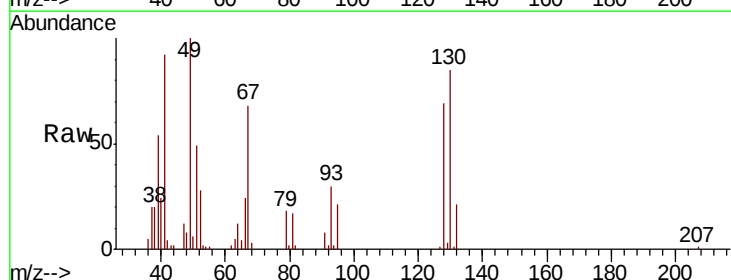
Instrument :
 MSVOA_U
 ClientSampled :

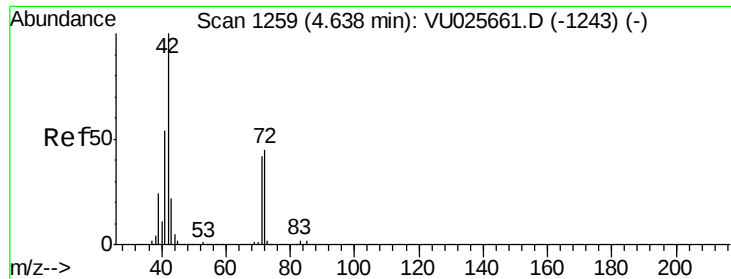
Tot Ion	96	Resp	46858
Ion	Ratio	Lower	Upper
96	100		
61	149.8	0.0	299.8
98	65.7	0.0	128.6



#28
 Bromochloromethane
 Concen: 18.35 ug/l
 RT: 4.55 min Scan# 1233
 Delta R.T. 0.00 min
 Lab File: VU025769.D
 Acq: 01 Aug 2018 12:07

Tgt Ion	49	Resp	32610
Ion	Ratio	Lower	Upper
49	100		
129	1.7	0.0	4.6
130	85.9	68.6	102.8

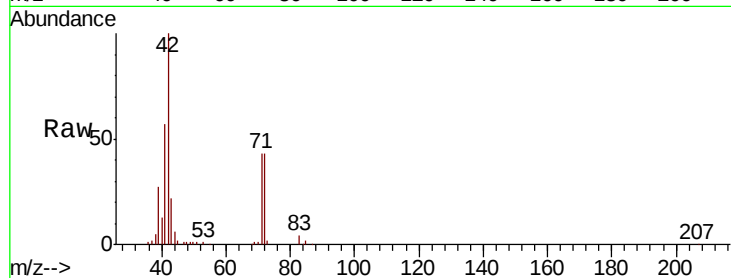




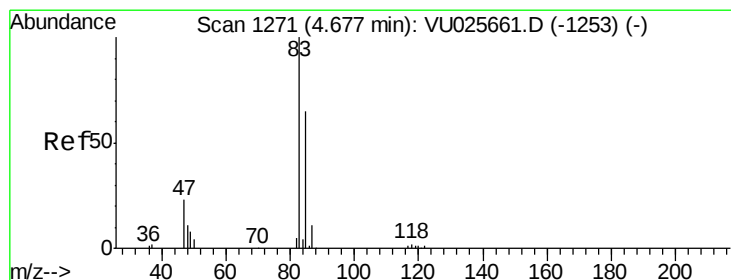
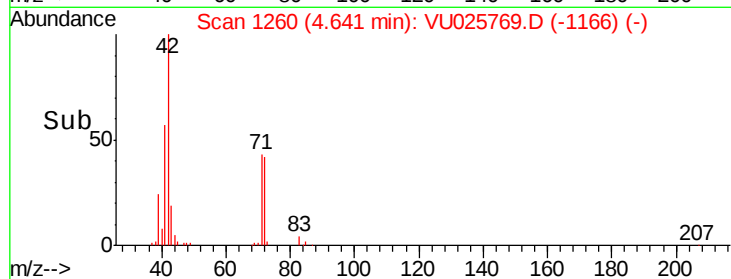
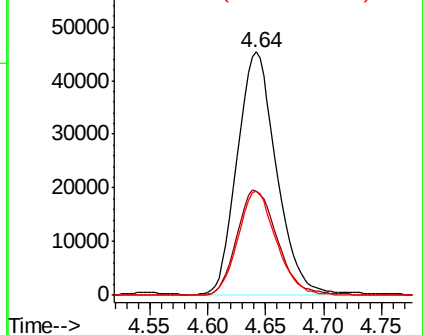
#29
Tetrahydrofuran
Concen: 99.22 ug/l
RT: 4.64 min Scan# 1260
Delta R.T. 0.00 min
Lab File: VU025769.D
Acq: 01 Aug 2018 12:07

Instrument :
MSVOA_U
ClientSampled :

Tot Ion: 42 Resp: 107033
Ion Ratio Lower Upper
42 100
72 44.4 36.7 55.1
71 41.8 33.9 50.9

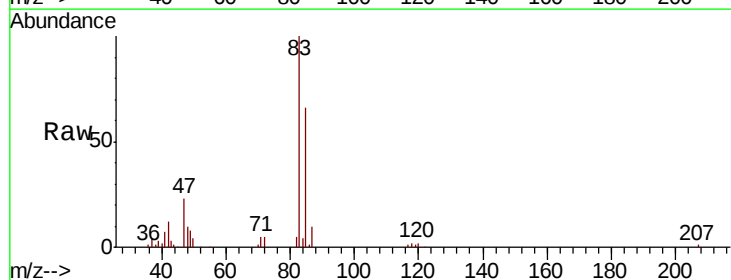


Abundance Ion 42.00 (41.70 to 42.70): VU0
Ion 72.00 (71.70 to 72.70): VU0
Ion 71.00 (70.70 to 71.70): VU0

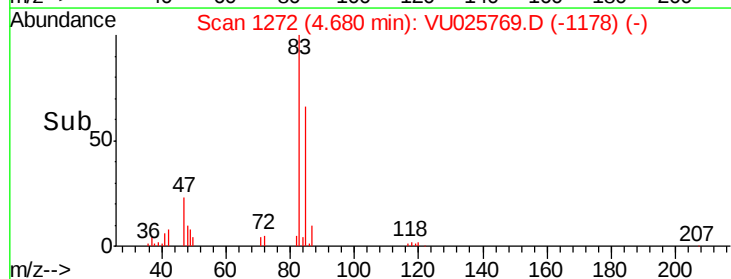
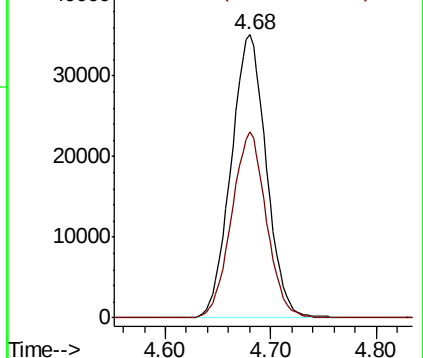


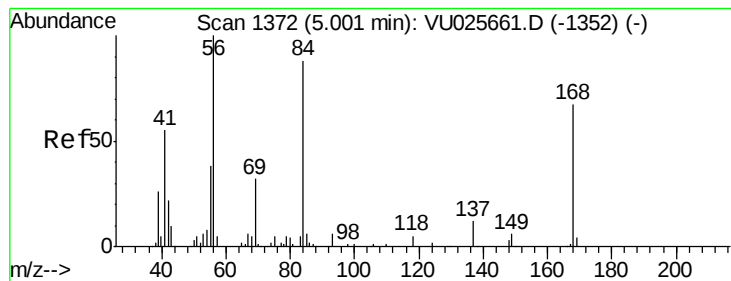
#30
Chloroform
Concen: 19.41 ug/l
RT: 4.68 min Scan# 1272
Delta R.T. 0.00 min
Lab File: VU025769.D
Acq: 01 Aug 2018 12:07

Tgt Ion: 83 Resp: 81439
Ion Ratio Lower Upper
83 100
85 65.7 51.5 77.3



Abundance Ion 82.90 (82.60 to 83.60): VU0
Ion 84.90 (84.60 to 85.60): VU0





#31

Cyclohexane

Concen: 18.82 ug/l

RT: 5.00 min Scan# 1371

Delta R.T. -0.00 min

Lab File: VU025769.D

Acq: 01 Aug 2018 12:07

Instrument :
MSVOA_U
ClientSampled :

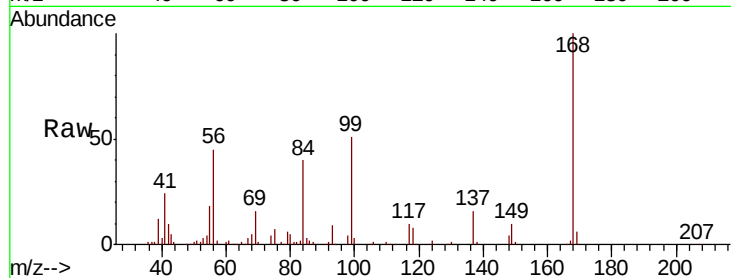
Tot Ion: 56 Resp: 67965

Ion Ratio Lower Upper

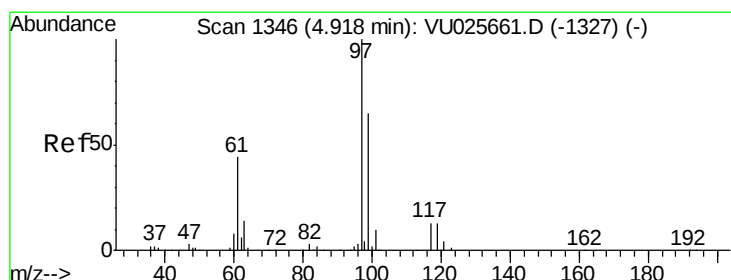
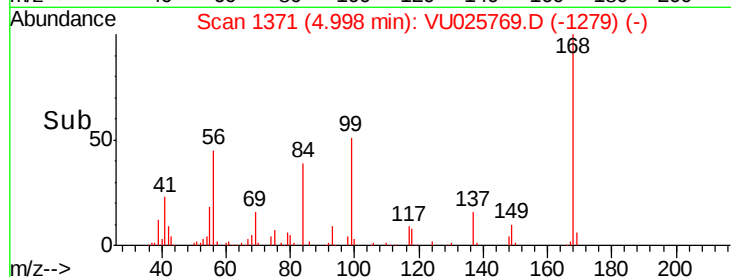
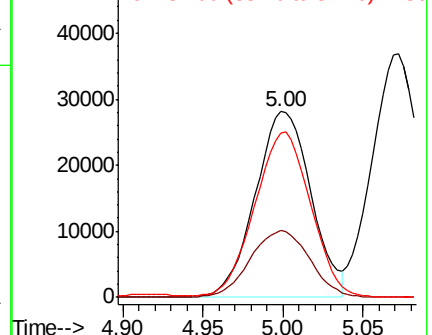
56 100

69 35.7 26.8 40.2

84 88.0 69.7 104.5



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



#32

1,1,1-Trichloroethane

Concen: 20.15 ug/l

RT: 4.92 min Scan# 1346

Delta R.T. 0.00 min

Lab File: VU025769.D

Acq: 01 Aug 2018 12:07

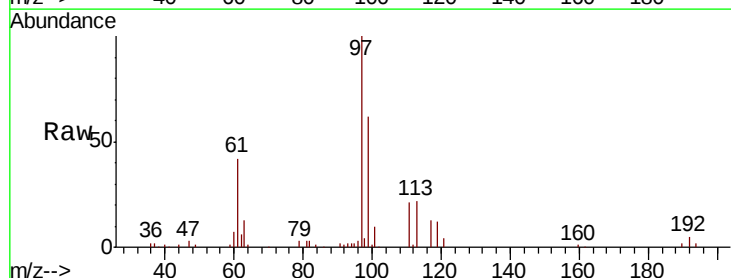
Tgt Ion: 97 Resp: 76090

Ion Ratio Lower Upper

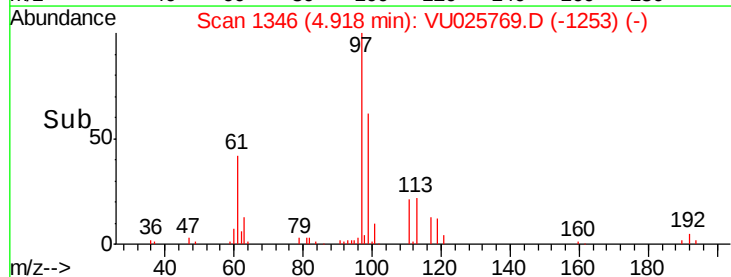
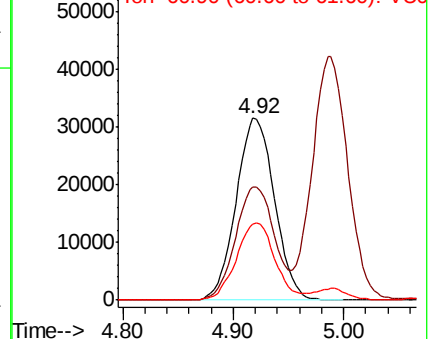
97 100

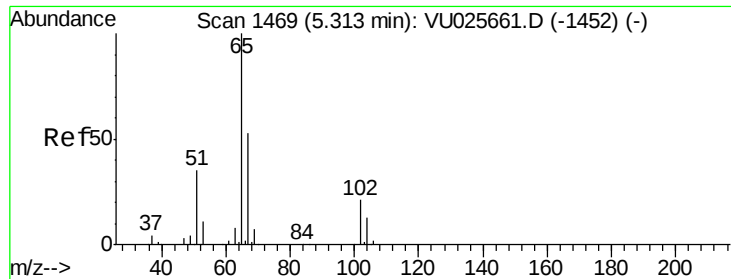
99 63.9 50.8 76.2

61 42.5 35.2 52.8



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





#33

1,2-Dichloroethane-d4

Concen: 50.89 ug/l

RT: 5.31 min Scan# 1469

Delta R.T. 0.00 min

Lab File: VU025769.D

Acq: 01 Aug 2018 12:07

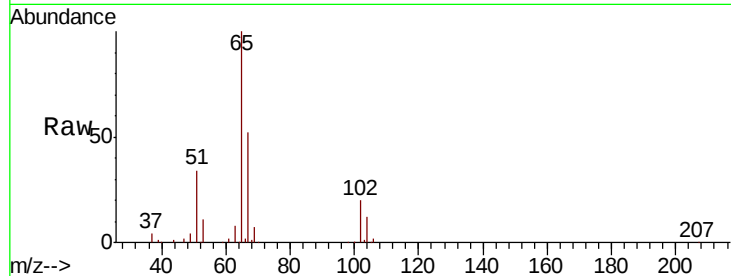
Instrument :
MSVOA_U
ClientSampleId :

Tot Ion: 65 Resp: 138066

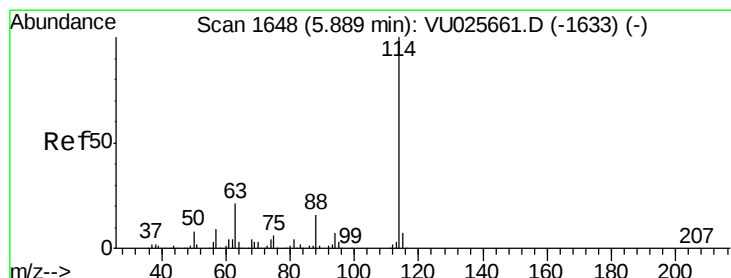
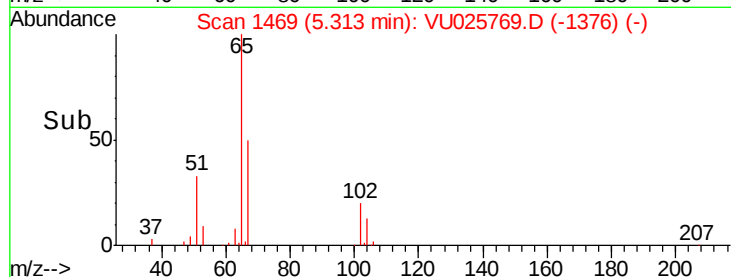
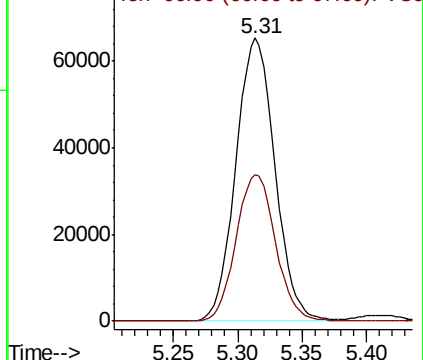
Ion Ratio Lower Upper

65 100

67 52.3 0.0 103.6



Abundance Ion 64.90 (64.60 to 65.60): VU0
Ion 66.90 (66.60 to 67.60): VU0



#34

1,4-Difluorobenzene

Concen: 50.00 ug/l

RT: 5.89 min Scan# 1648

Delta R.T. 0.00 min

Lab File: VU025769.D

Acq: 01 Aug 2018 12:07

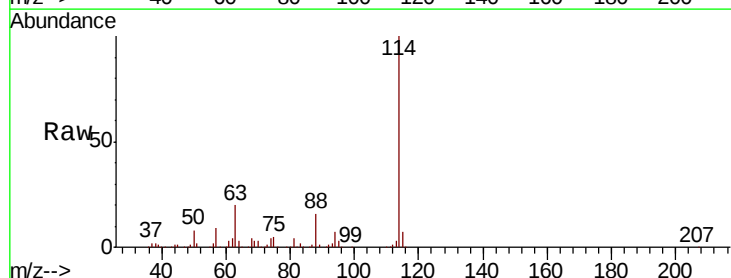
Tgt Ion: 114 Resp: 262531

Ion Ratio Lower Upper

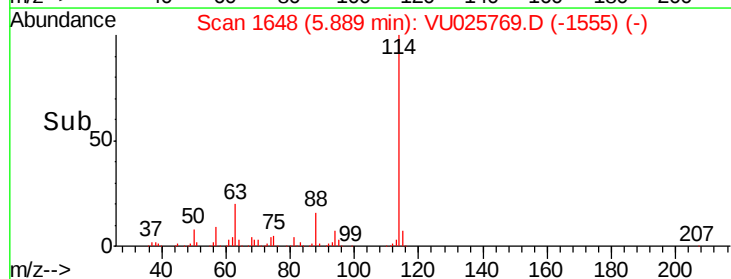
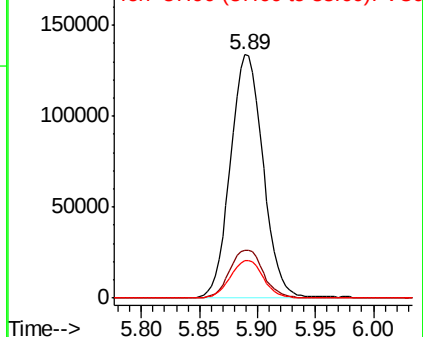
114 100

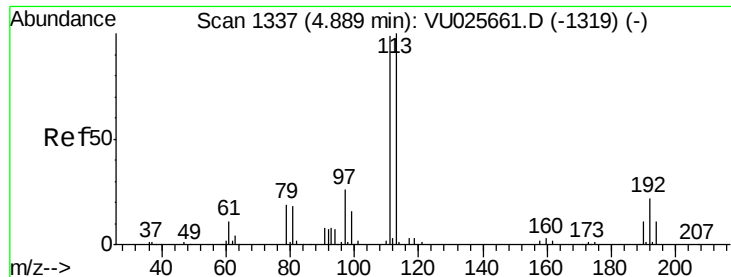
63 19.9 0.0 41.6

88 15.6 0.0 32.4



Abundance Ion 113.90 (113.60 to 114.60): V
Ion 63.00 (62.70 to 63.70): VU0
Ion 87.90 (87.60 to 88.60): VU0

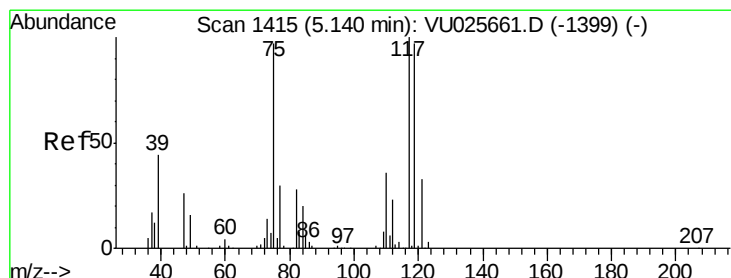
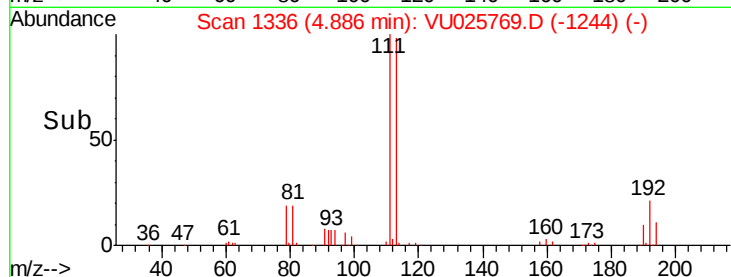
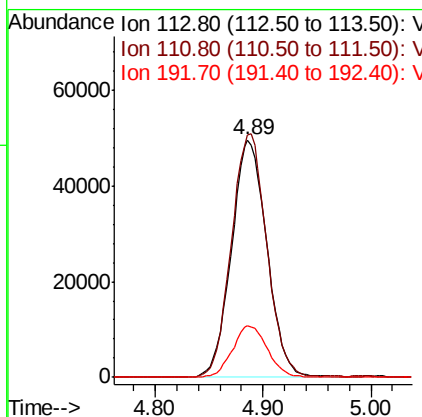
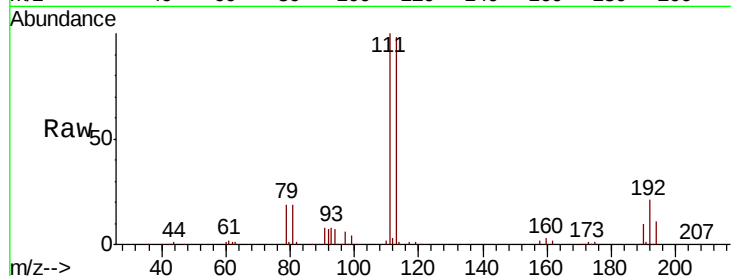




#35
 Dibromofluoromethane
 Concen: 49.52 ug/l
 RT: 4.89 min Scan# 1336
 Delta R.T. -0.00 min
 Lab File: VU025769.D
 Acq: 01 Aug 2018 12:07

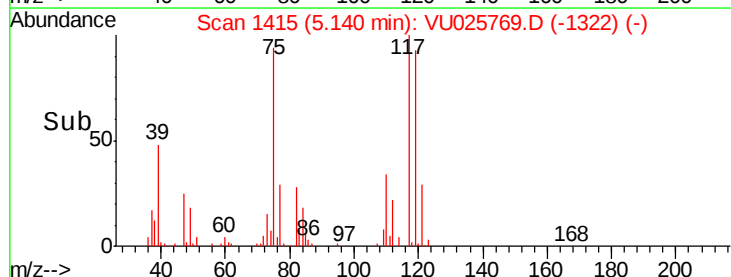
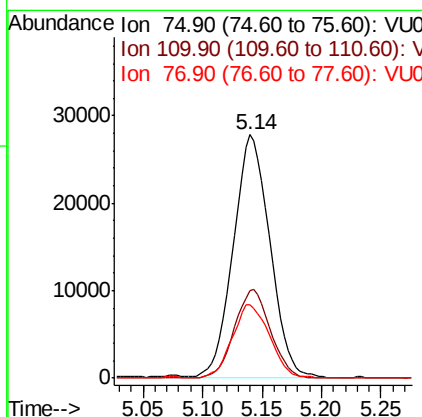
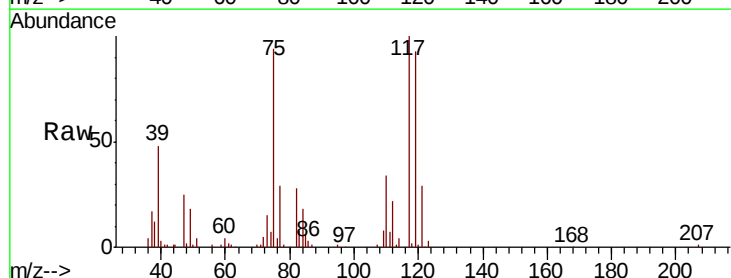
Instrument :
 MSVOA_U
 ClientSampleId :

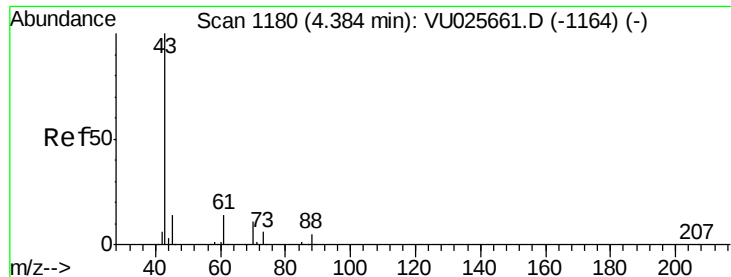
Tot Ion:113 Resp: 113067
 Ion Ratio Lower Upper
 113 100
 111 102.5 81.7 122.5
 192 21.4 17.1 25.7



#36
 1,1-Dichloropropene
 Concen: 19.45 ug/l
 RT: 5.14 min Scan# 1415
 Delta R.T. 0.00 min
 Lab File: VU025769.D
 Acq: 01 Aug 2018 12:07

Tgt Ion: 75 Resp: 59667
 Ion Ratio Lower Upper
 75 100
 110 35.5 17.6 52.9
 77 30.7 24.4 36.6

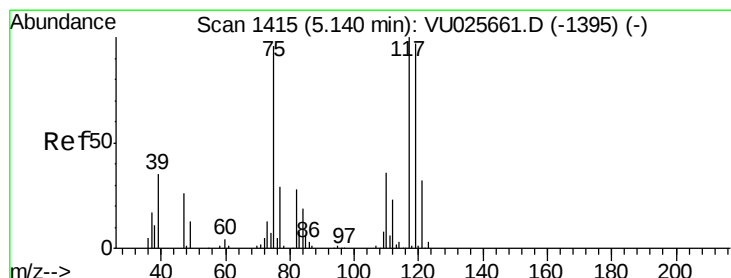
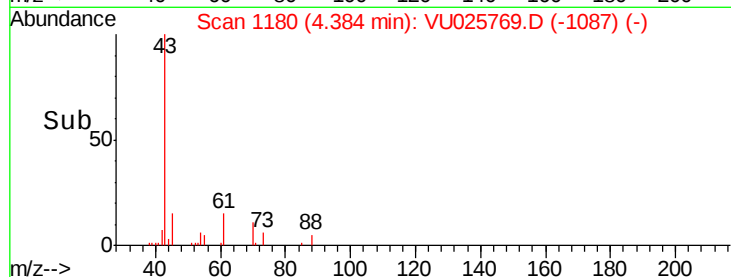
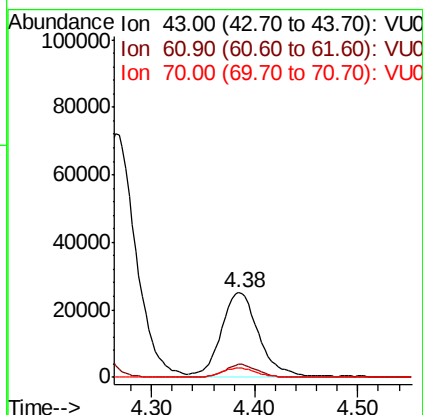
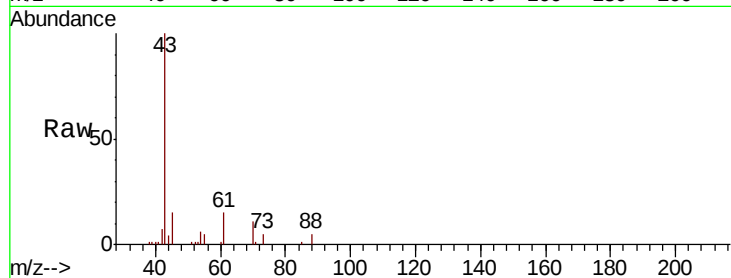




#37
Ethyl Acetate
Concen: 19.69 ug/l
RT: 4.38 min Scan# 1180
Delta R.T. 0.00 min
Lab File: VU025769.D
Acq: 01 Aug 2018 12:07

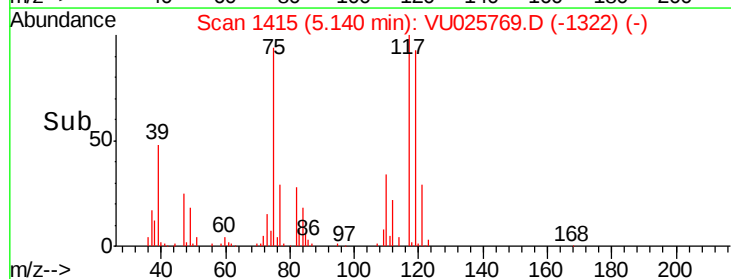
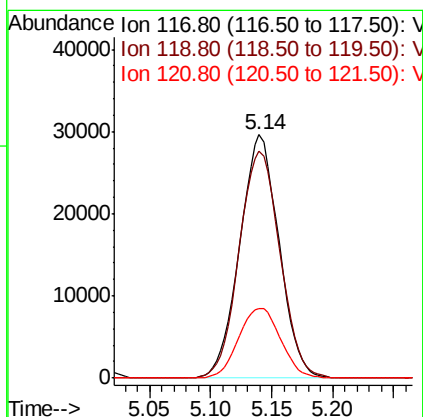
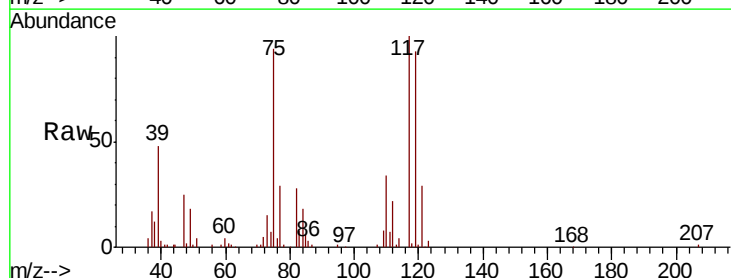
Instrument :
MSVOA_U
ClientSampled :

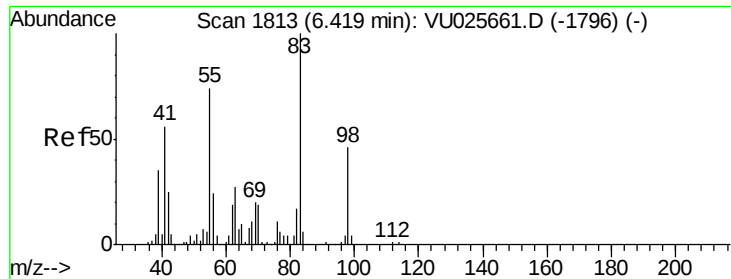
Tot Ion	43	Resp	62656
Ion Ratio	Lower	Upper	
43	100		
61	13.7	10.7	16.1
70	10.1	8.4	12.6



#38
Carbon Tetrachloride
Concen: 18.92 ug/l
RT: 5.14 min Scan# 1415
Delta R.T. 0.00 min
Lab File: VU025769.D
Acq: 01 Aug 2018 12:07

Tgt Ion	117	Resp	65738
Ion Ratio	Lower	Upper	
117	100		
119	93.0	75.7	113.5
121	28.6	24.6	36.8

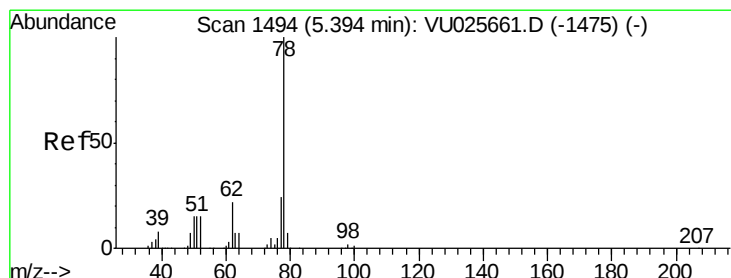
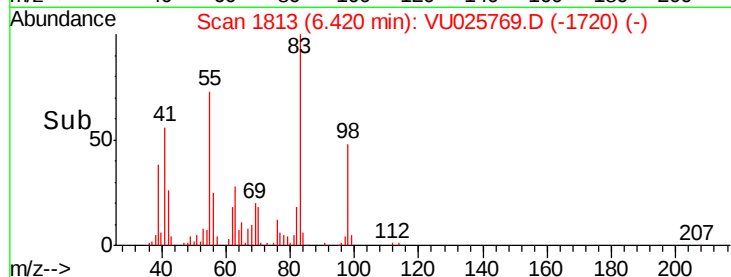
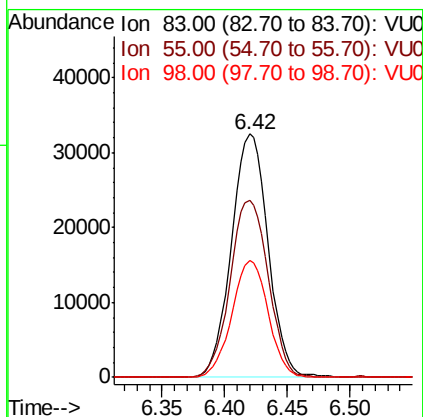
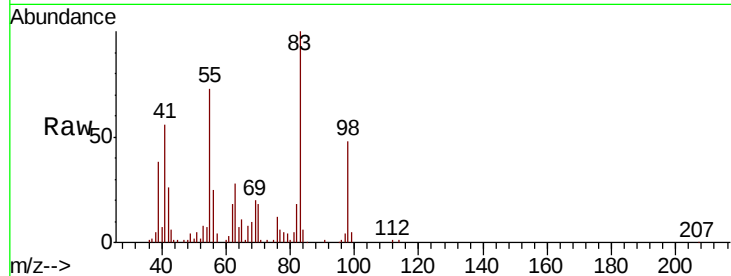




#39
Methvlcvclohexane
Concen: 18.81 ug/l
RT: 6.42 min Scan# 1813
Delta R.T. 0.00 min
Lab File: VU025769.D
Acq: 01 Aug 2018 12:07

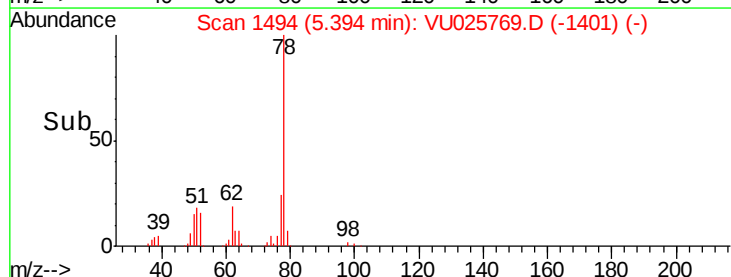
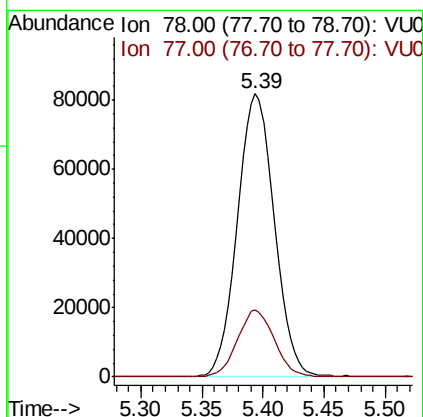
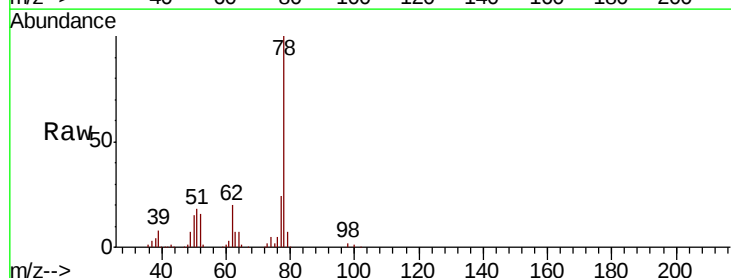
Instrument :
MSVOA_U
ClientSampled :

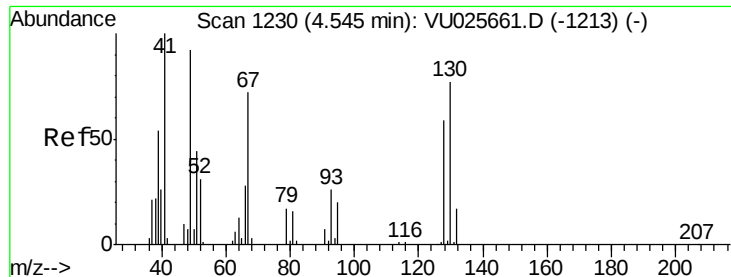
Tot Ion: 83 Resp: 66130
Ion Ratio Lower Upper
83 100
55 72.6 60.0 90.0
98 47.9 36.1 54.1



#40
Benzene
Concen: 19.11 ug/l
RT: 5.39 min Scan# 1494
Delta R.T. 0.00 min
Lab File: VU025769.D
Acq: 01 Aug 2018 12:07

Tgt Ion: 78 Resp: 171395
Ion Ratio Lower Upper
78 100
77 23.8 19.8 29.6

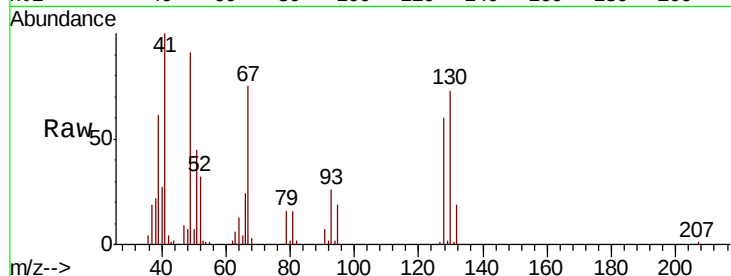




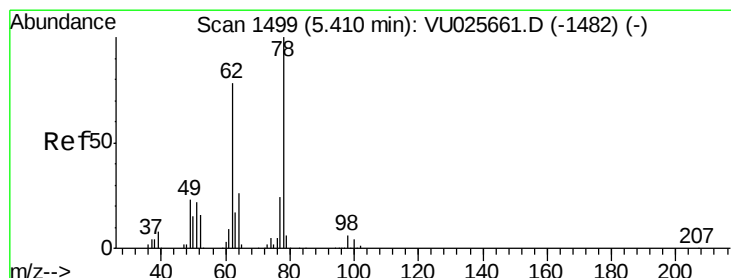
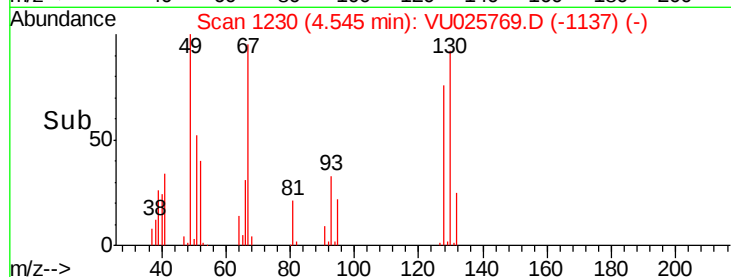
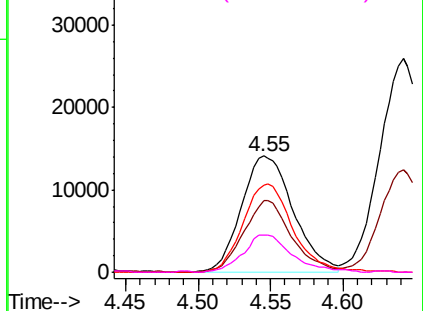
#41
Methacrylonitrile
Concen: 19.99 ug/l
RT: 4.55 min Scan# 1230
Delta R.T. 0.00 min
Lab File: VU025769.D
Acq: 01 Aug 2018 12:07

Instrument :
MSVOA_U
ClientSampleId :

Tot Ion:	41	Resp:	35315
Ion	Ratio	Lower	Upper
41	100		
39	56.7	44.4	66.6
67	72.2	56.0	84.0
52	30.4	24.6	36.8

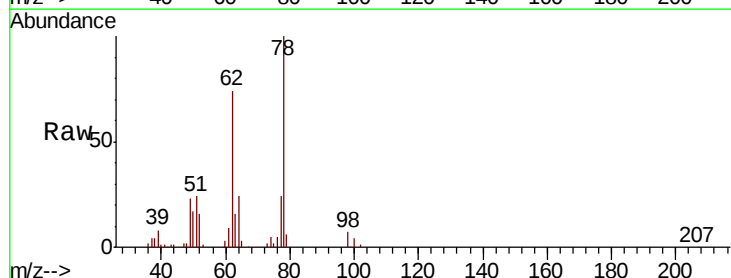


Abundance Ion 41.00 (40.70 to 41.70): VU0
Ion 39.00 (38.70 to 39.70): VU0
Ion 67.00 (66.70 to 67.70): VU0
Ion 52.00 (51.70 to 52.70): VU0

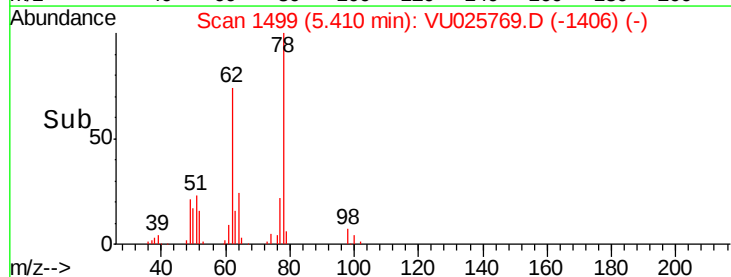
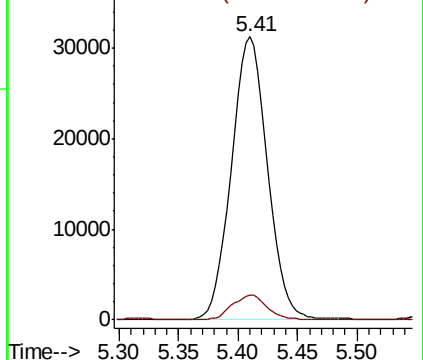


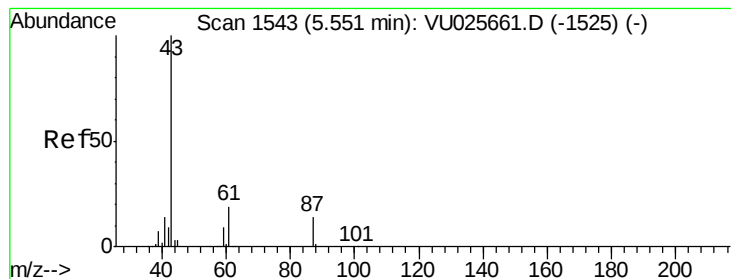
#42
1,2-Dichloroethane
Concen: 19.03 ug/l
RT: 5.41 min Scan# 1499
Delta R.T. 0.00 min
Lab File: VU025769.D
Acq: 01 Aug 2018 12:07

Tgt Ion:	62	Resp:	65723
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



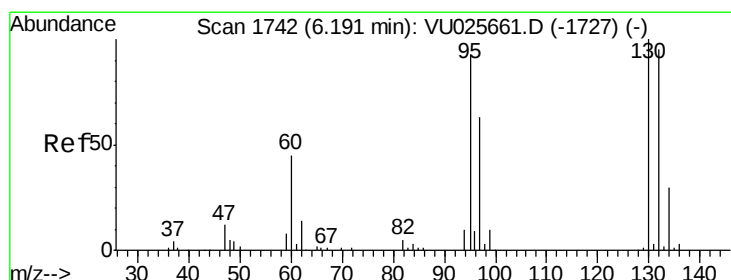
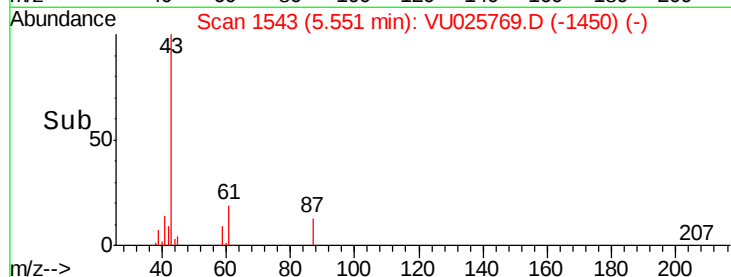
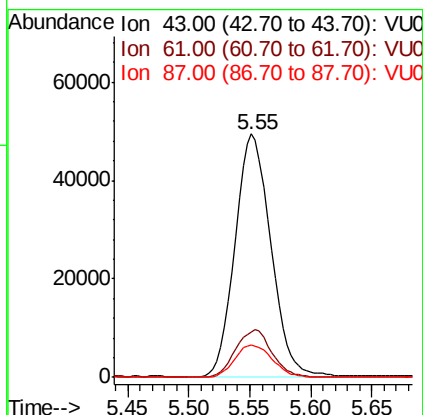
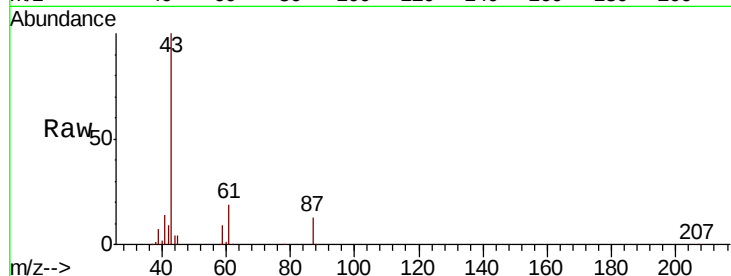


#43

Isopropyl Acetate
 Concen: 19.23 ug/l
 RT: 5.55 min Scan# 1543
 Delta R.T. 0.00 min
 Lab File: VU025769.D
 Acq: 01 Aug 2018 12:07

Instrument :
 MSVOA_U
 ClientSampleId :

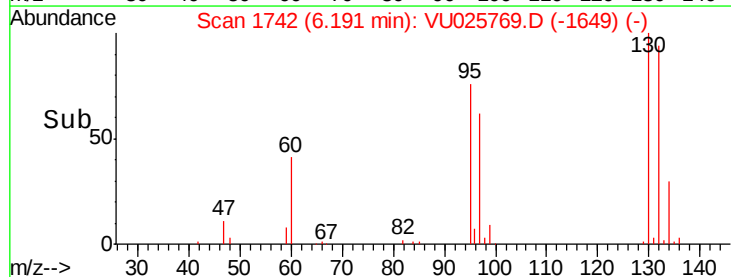
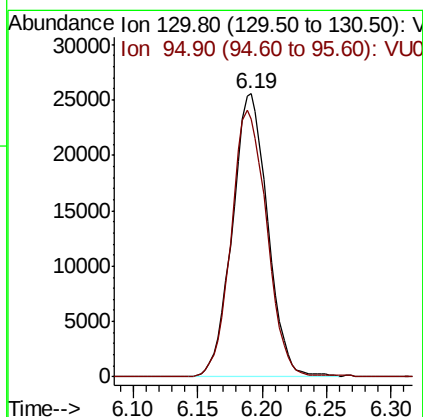
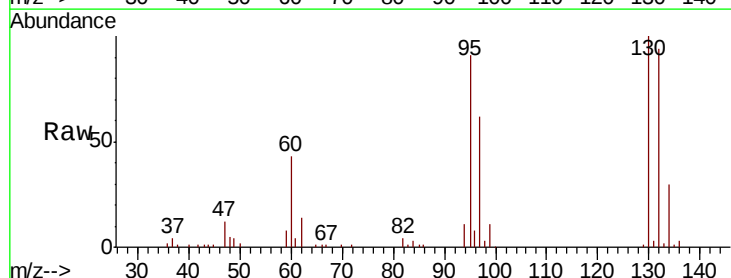
Tot Ion	Ratio	Lower	Upper
43	100		
61	19.8	15.5	23.3
87	13.8	10.6	16.0

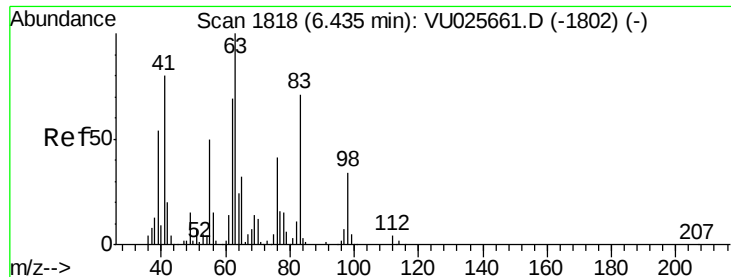


#44

Trichloroethene
 Concen: 19.54 ug/l
 RT: 6.19 min Scan# 1742
 Delta R.T. 0.00 min
 Lab File: VU025769.D
 Acq: 01 Aug 2018 12:07

Tgt Ion	Ratio	Lower	Upper
130	100		
95	91.1	0.0	192.2

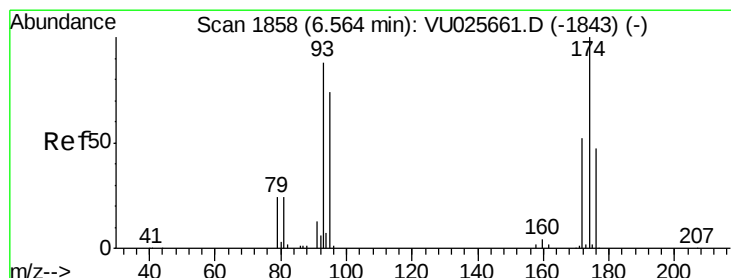
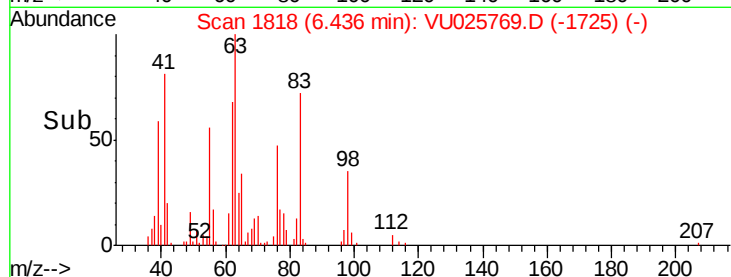
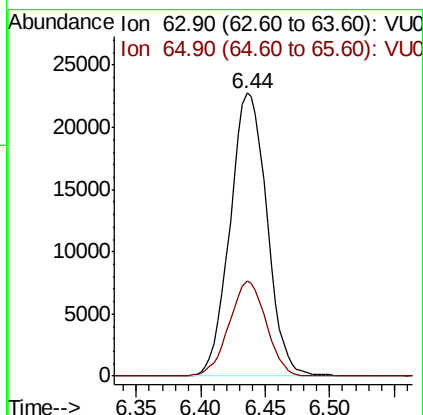
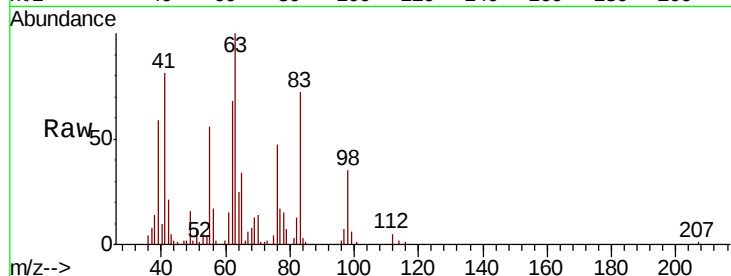




#45
 1,2-Dichloropropane
 Concen: 19.33 ug/l
 RT: 6.44 min Scan# 1818
 Delta R.T. 0.00 min
 Lab File: VU025769.D
 Acq: 01 Aug 2018 12:07

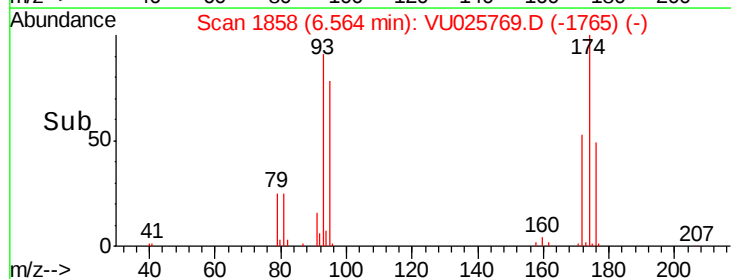
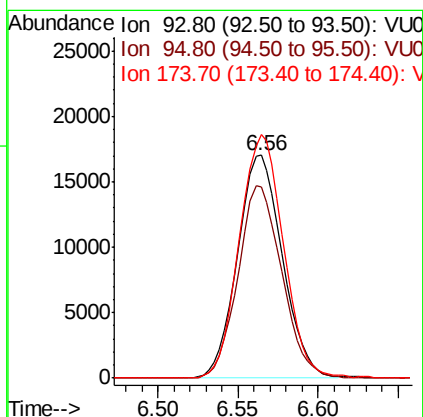
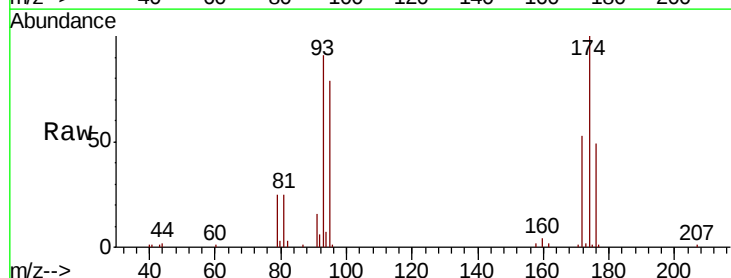
Instrument :
 MSVOA_U
 ClientSampled :

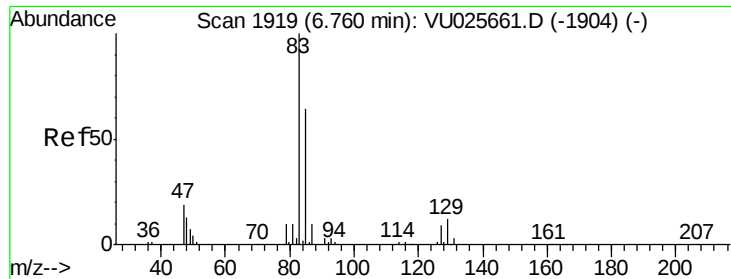
Tot Ion: 63 Resp: 45208
 Ion Ratio Lower Upper
 63 100
 65 33.6 26.1 39.1



#46
 Dibromomethane
 Concen: 19.25 ug/l
 RT: 6.56 min Scan# 1858
 Delta R.T. 0.00 min
 Lab File: VU025769.D
 Acq: 01 Aug 2018 12:07

Tgt Ion: 93 Resp: 32621
 Ion Ratio Lower Upper
 93 100
 95 84.1 66.6 100.0
 174 107.0 85.8 128.8





#47

Bromodichloromethane

Concen: 19.12 ug/l

RT: 6.76 min Scan# 1919

Delta R.T. 0.00 min

Lab File: VU025769.D

Acq: 01 Aug 2018 12:07

Instrument :

MSVOA_U

ClientSampleId :

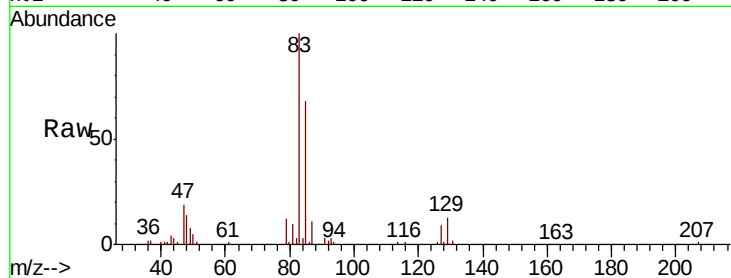
Tot Ion: 83 Resp: 61800

Ion Ratio Lower Upper

83 100

85 67.7 50.2 75.4

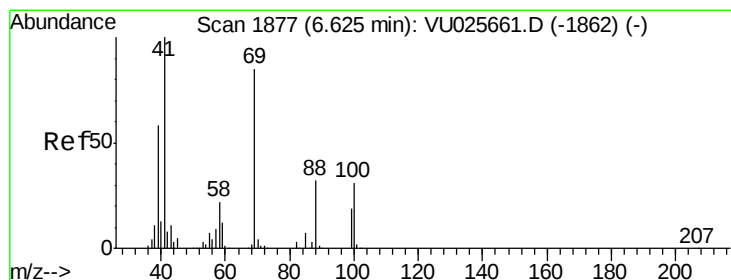
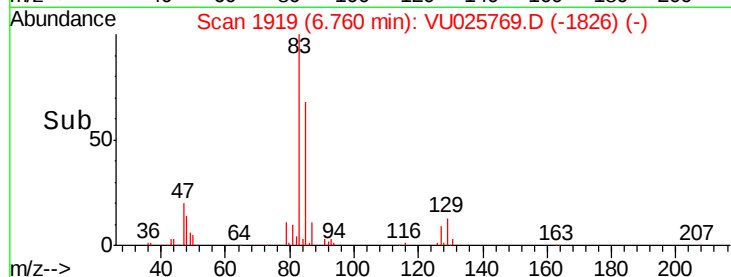
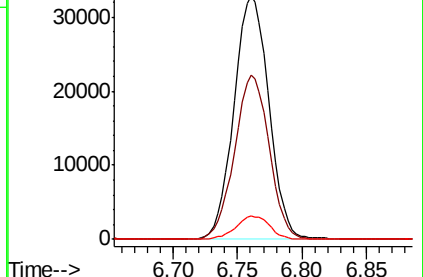
127 9.4 7.2 10.8



Abundance Ion 82.90 (82.60 to 83.60): VU025661.D (-1904) (-)

Ion 84.90 (84.60 to 85.60): VU025661.D (-1904) (-)

Ion 126.80 (126.50 to 127.50): VU025661.D (-1904) (-)



#48

Methyl methacrylate

Concen: 20.22 ug/l

RT: 6.63 min Scan# 1877

Delta R.T. 0.00 min

Lab File: VU025769.D

Acq: 01 Aug 2018 12:07

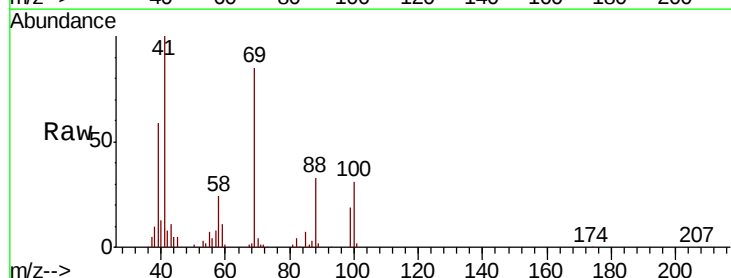
Tgt Ion: 41 Resp: 52107

Ion Ratio Lower Upper

41 100

69 82.0 65.0 97.4

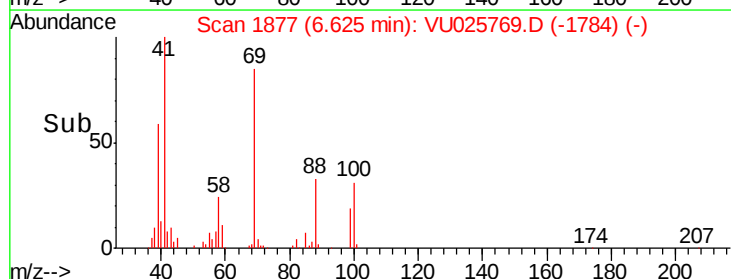
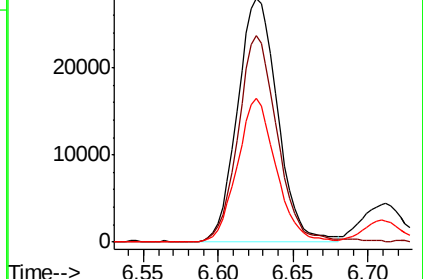
39 56.9 46.4 69.6

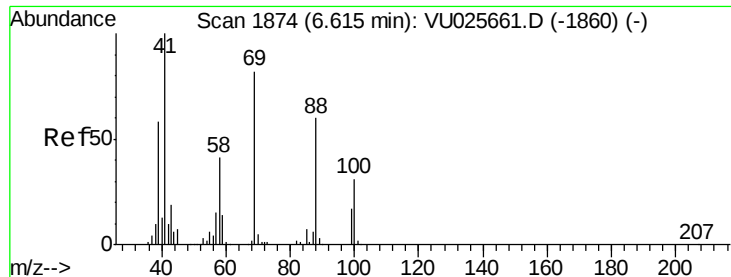


Abundance Ion 41.00 (40.70 to 41.70): VU025661.D (-1862) (-)

Ion 69.00 (68.70 to 69.70): VU025661.D (-1862) (-)

Ion 39.00 (38.70 to 39.70): VU025661.D (-1862) (-)

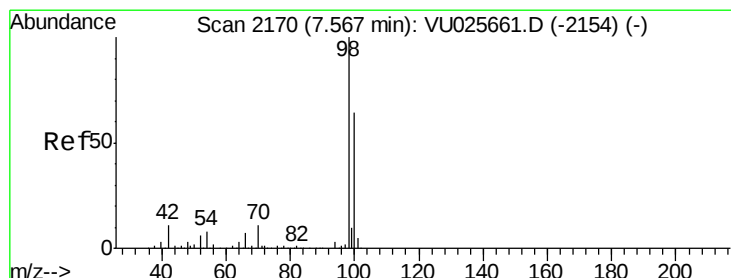
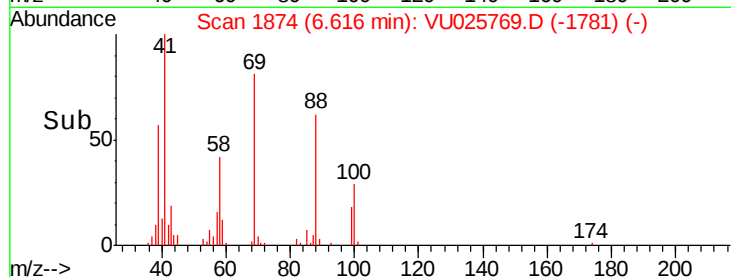
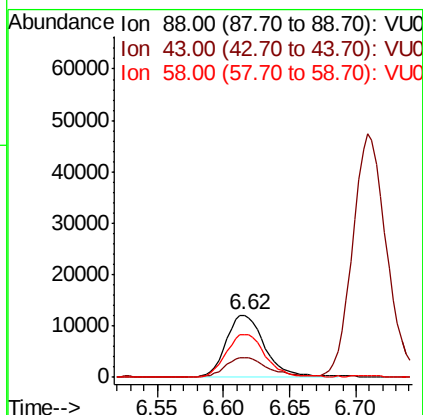
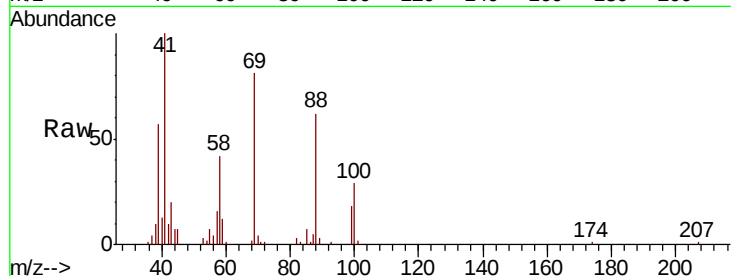




#49
1,4-Dioxane
Concen: 394.07 ug/l
RT: 6.62 min Scan# 1874
Delta R.T. 0.00 min
Lab File: VU025769.D
Acq: 01 Aug 2018 12:07

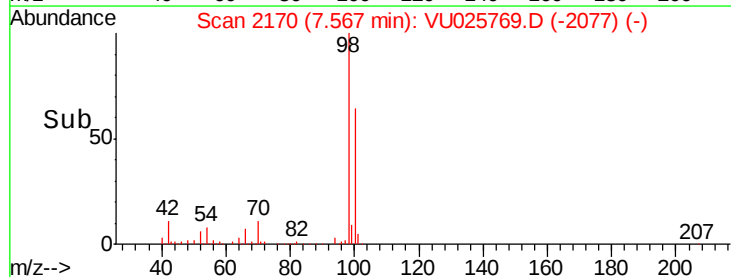
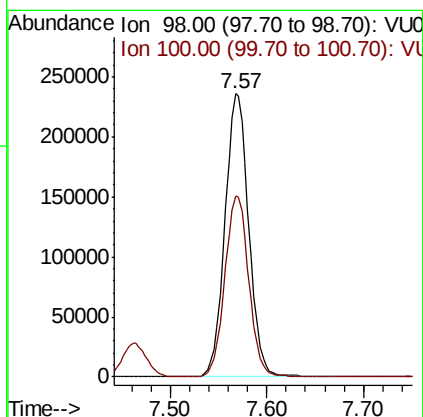
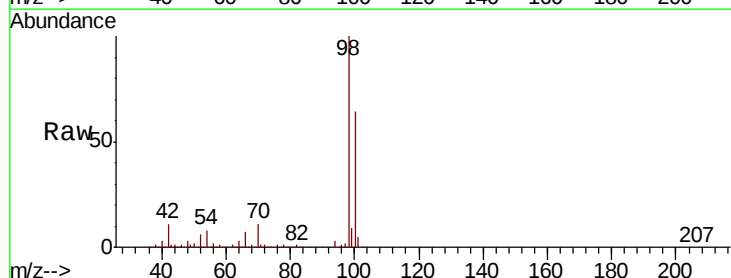
Instrument :
MSVOA_U
ClientSampleId :

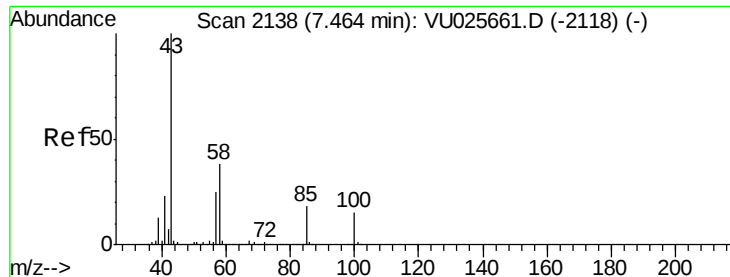
Tot Ion: 88 Resp: 24708
Ion Ratio Lower Upper
88 100
43 35.8 27.3 40.9
58 68.5 57.6 86.4



#50
Toluene-d8
Concen: 50.30 ug/l
RT: 7.57 min Scan# 2170
Delta R.T. 0.00 min
Lab File: VU025769.D
Acq: 01 Aug 2018 12:07

Tgt Ion: 98 Resp: 401907
Ion Ratio Lower Upper
98 100
100 64.1 51.1 76.7

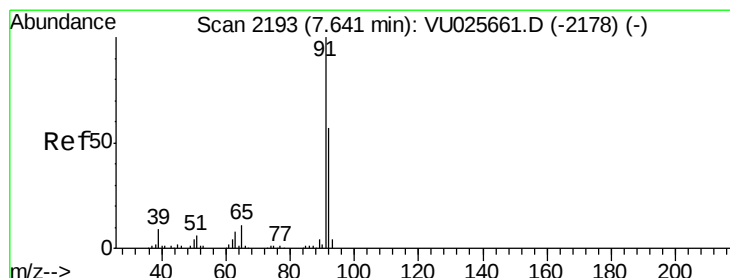
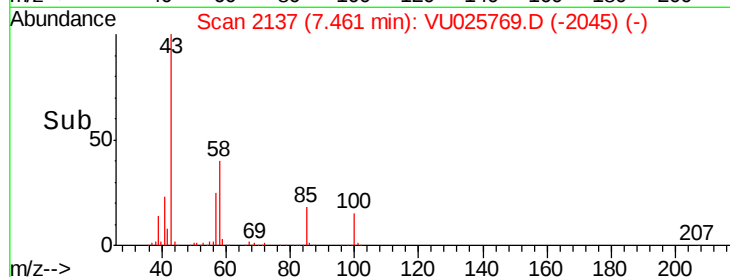
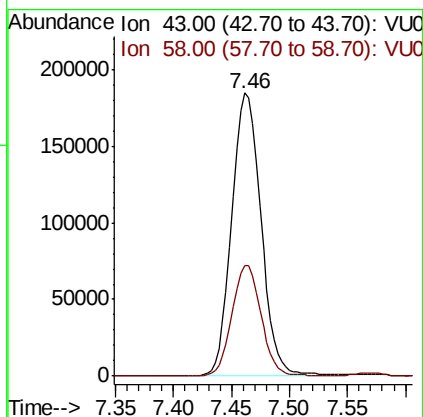
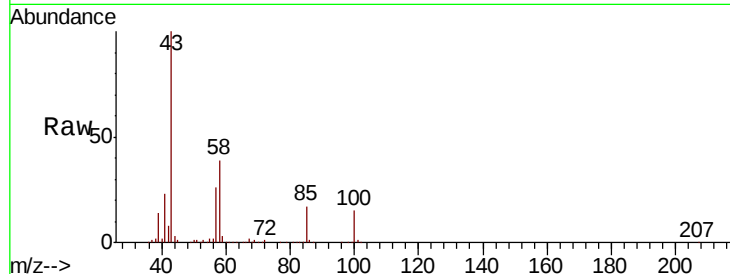




#51
 4-Methyl-2-Pentanone
 Concen: 98.41 ug/l
 RT: 7.46 min Scan# 2137
 Delta R.T. -0.00 min
 Lab File: VU025769.D
 Acq: 01 Aug 2018 12:07

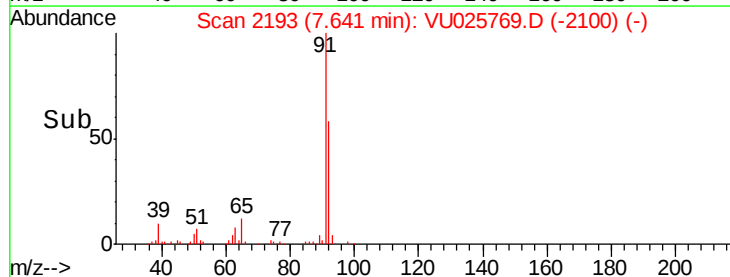
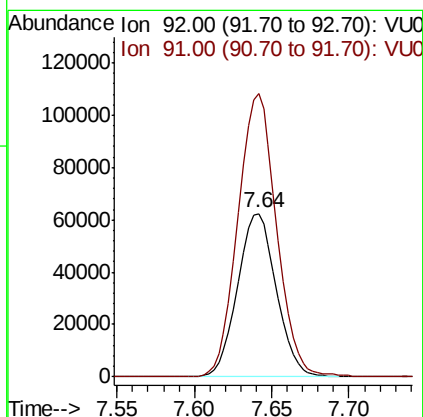
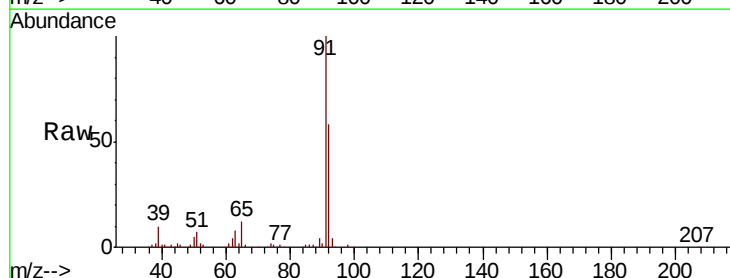
Instrument :
 MSVOA_U
 ClientSampled :

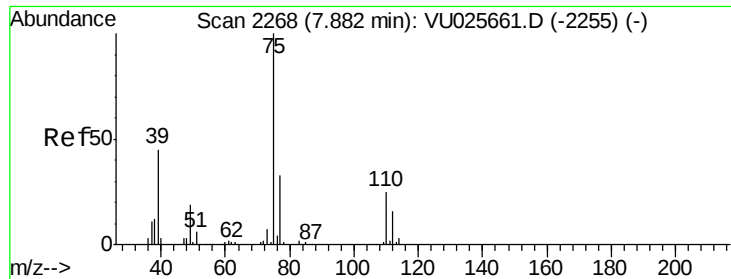
Tot Ion: 43 Resp: 323881
 Ion Ratio Lower Upper
 43 100
 58 38.9 31.0 46.4



#52
 Toluene
 Concen: 19.45 ug/l
 RT: 7.64 min Scan# 2193
 Delta R.T. 0.00 min
 Lab File: VU025769.D
 Acq: 01 Aug 2018 12:07

Tgt Ion: 92 Resp: 108373
 Ion Ratio Lower Upper
 92 100
 91 173.7 139.2 208.8





#53

t-1,3-Dichloropropene

Concen: 19.69 ug/l

RT: 7.88 min Scan# 2268

Delta R.T. 0.00 min

Lab File: VU025769.D

Acq: 01 Aug 2018 12:07

Instrument :

MSVOA_U

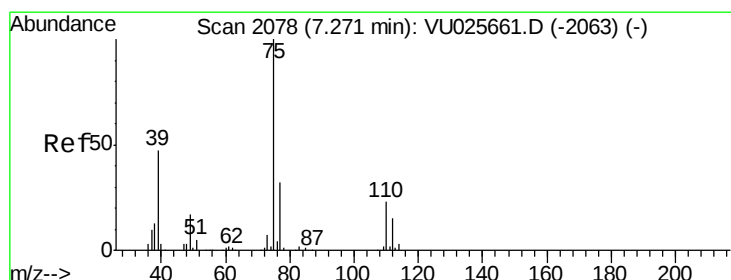
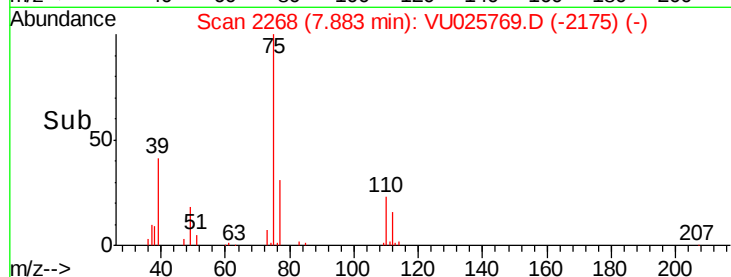
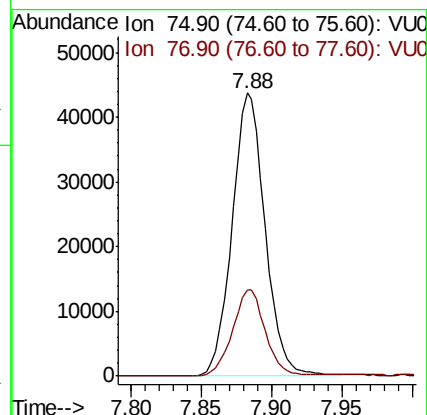
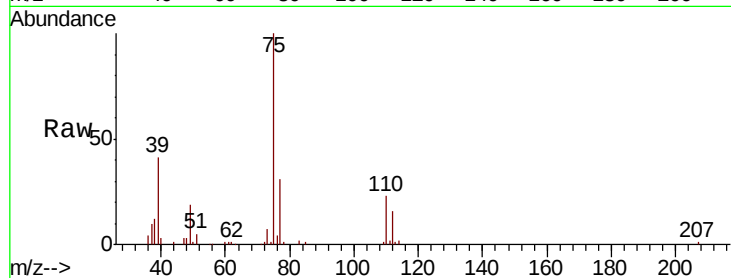
ClientSampleId :

Tot Ion: 75 Resp: 71477

Ion Ratio Lower Upper

75 100

77 30.6 24.5 36.7



#54

cis-1,3-Dichloropropene

Concen: 19.42 ug/l

RT: 7.27 min Scan# 2079

Delta R.T. 0.00 min

Lab File: VU025769.D

Acq: 01 Aug 2018 12:07

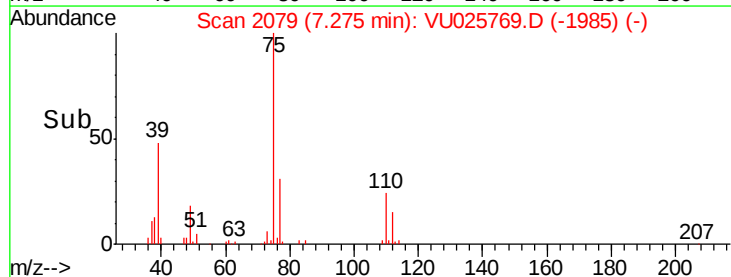
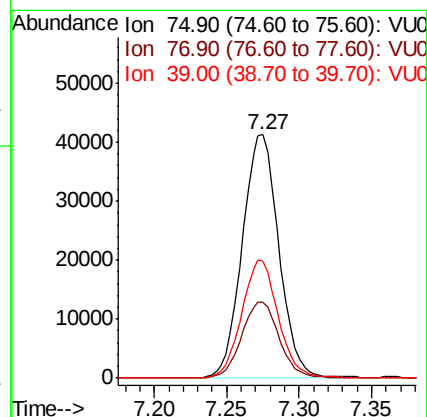
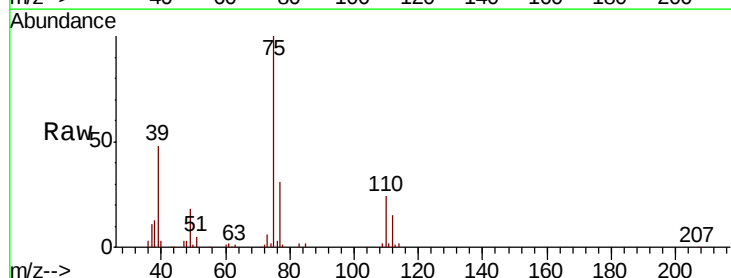
Tgt Ion: 75 Resp: 72421

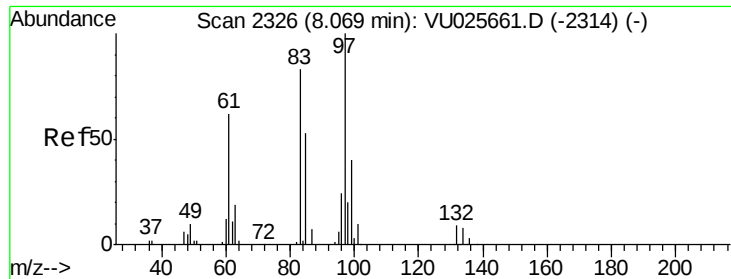
Ion Ratio Lower Upper

75 100

77 31.2 25.6 38.4

39 48.0 40.0 60.0

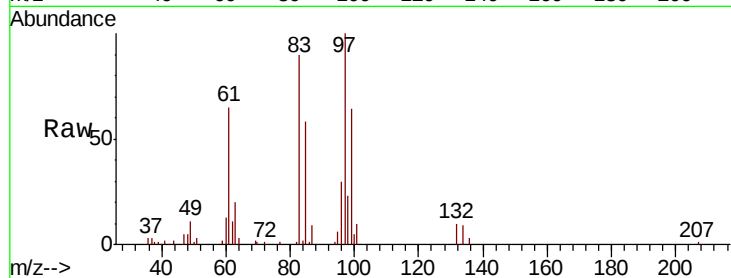




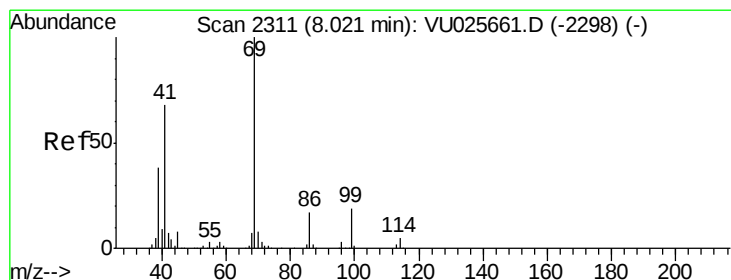
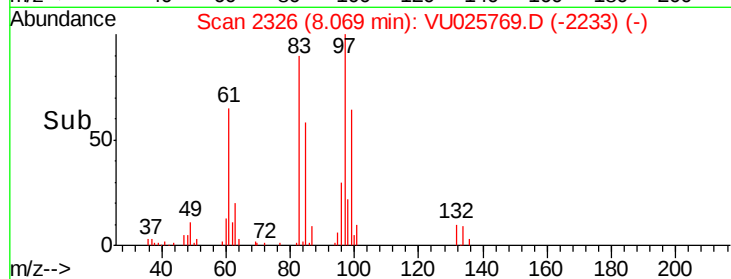
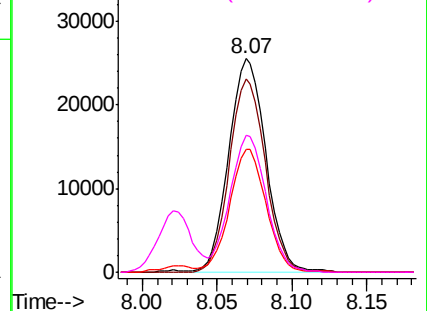
#55
 1,1,2-Trichloroethane
 Concen: 19.11 ug/l
 RT: 8.07 min Scan# 2326
 Delta R.T. 0.00 min
 Lab File: VU025769.D
 Acq: 01 Aug 2018 12:07

Instrument :
 MSVOA_U
 ClientSampleId :

Tot Ion:	97	Resp:	44243
Ion	Ratio	Lower	Upper
97	100		
83	90.3	68.9	103.3
85	57.7	44.4	66.6
99	64.1	51.0	76.4

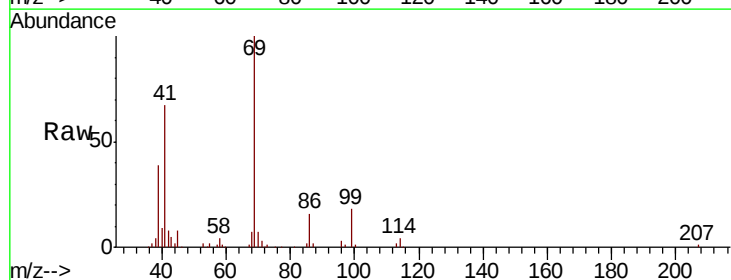


Abundance Ion 96.90 (96.60 to 97.60): VU0
 Ion 82.90 (82.60 to 83.60): VU0
 Ion 84.90 (84.60 to 85.60): VU0
 Ion 98.90 (98.60 to 99.60): VU0

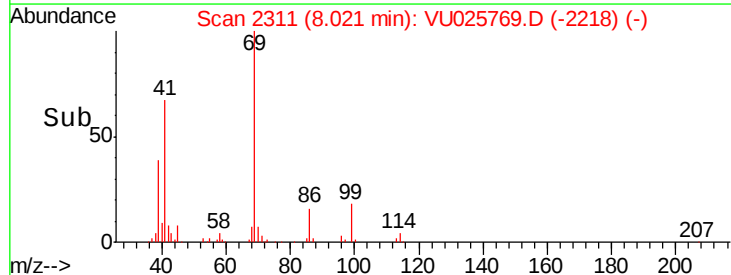
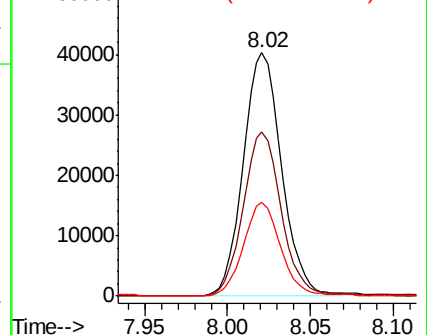


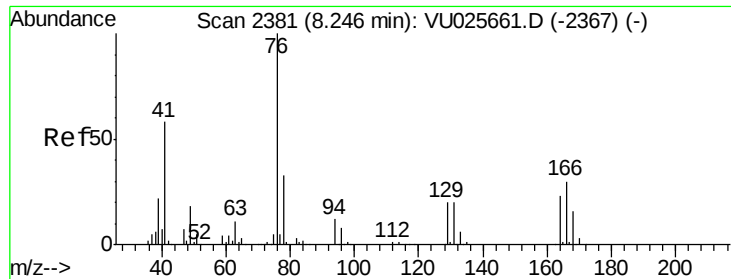
#56
 Ethyl methacrylate
 Concen: 19.59 ug/l
 RT: 8.02 min Scan# 2311
 Delta R.T. 0.00 min
 Lab File: VU025769.D
 Acq: 01 Aug 2018 12:07

Tgt Ion:	69	Resp:	64812
Ion	Ratio	Lower	Upper
69	100		
41	67.1	54.8	82.2
39	37.8	31.1	46.7



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





#57

1,3-Dichloropropane

Concen: 19.46 ug/l

RT: 8.25 min Scan# 2381

Delta R.T. 0.00 min

Lab File: VU025769.D

Acq: 01 Aug 2018 12:07

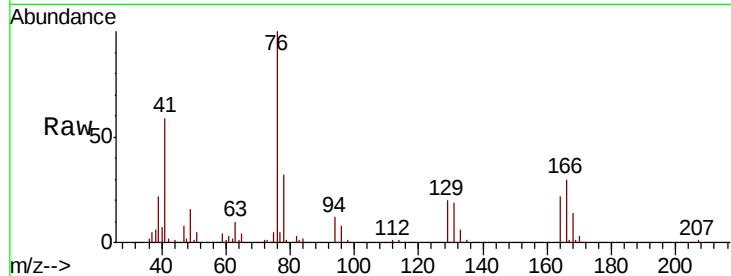
Instrument :
MSVOA_U
ClientSampled :

Tot Ion: 76 Resp: 75764

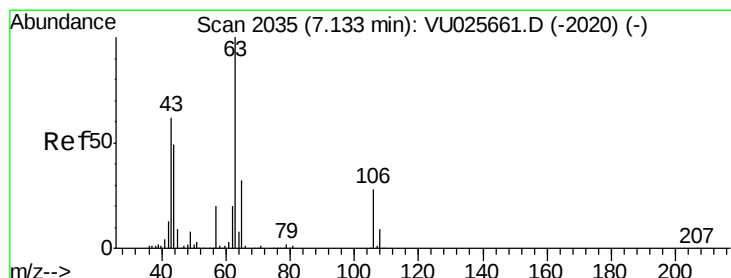
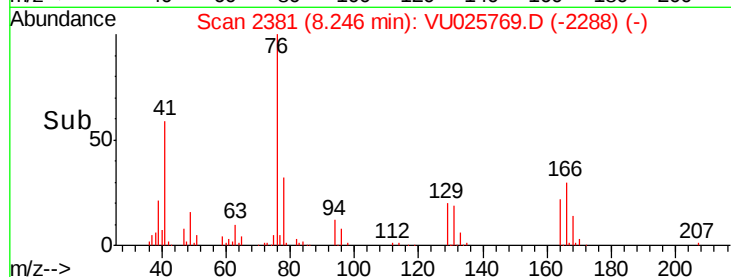
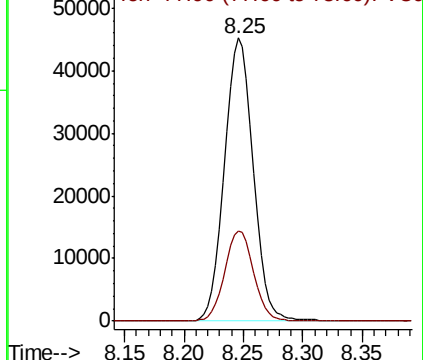
Ion Ratio Lower Upper

76 100

78 32.2 26.1 39.1



Abundance Ion 75.90 (75.60 to 76.60): VU0
Ion 77.90 (77.60 to 78.60): VU0



#58

2-Chloroethyl Vinyl ether

Concen: 96.02 ug/l

RT: 7.13 min Scan# 2034

Delta R.T. -0.00 min

Lab File: VU025769.D

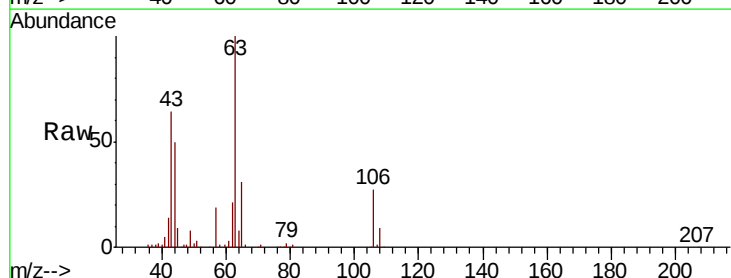
Acq: 01 Aug 2018 12:07

Tgt Ion: 63 Resp: 137134

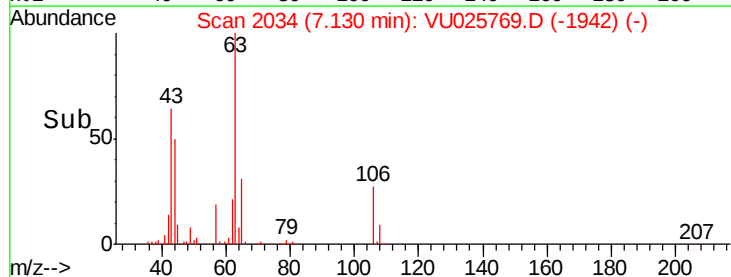
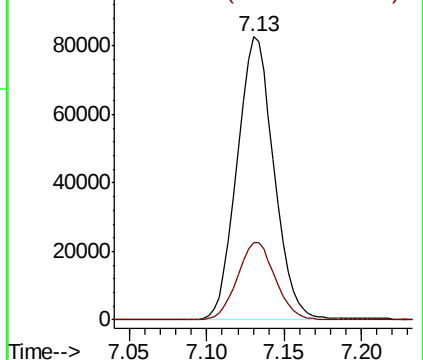
Ion Ratio Lower Upper

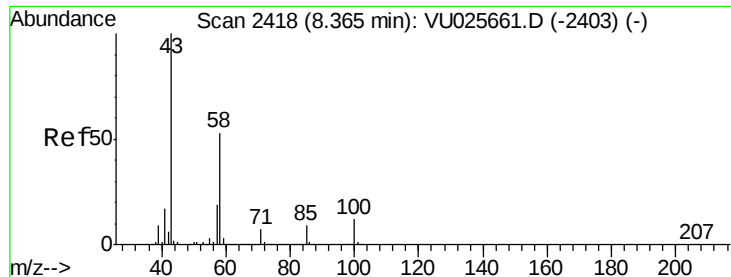
63 100

106 28.0 22.3 33.5



Abundance Ion 62.90 (62.60 to 63.60): VU0
Ion 105.90 (105.60 to 106.60): V

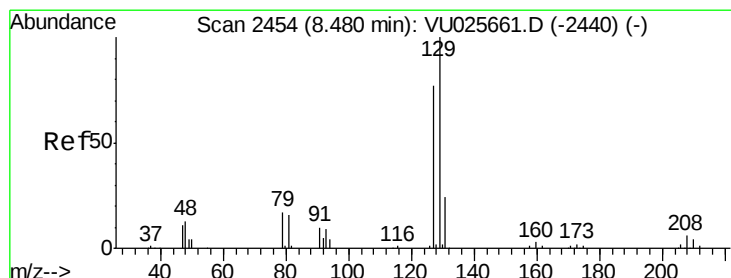
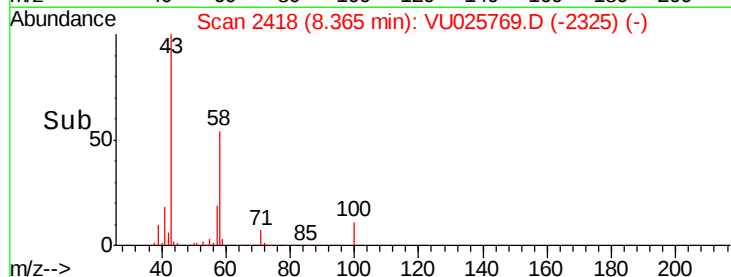
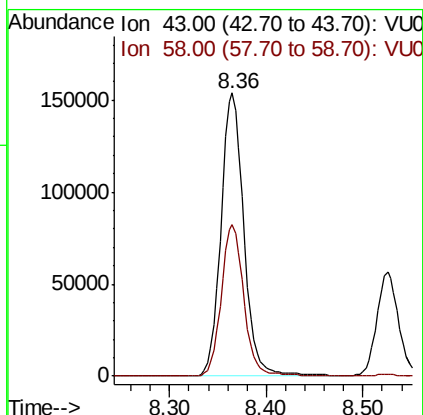
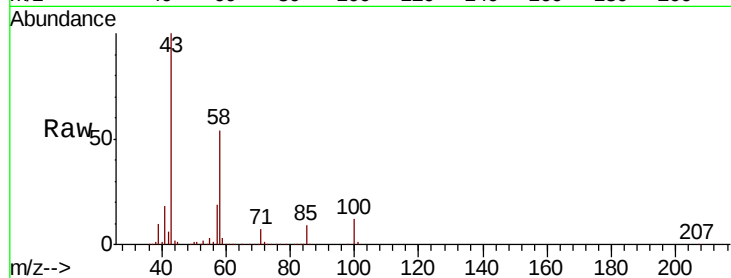




#59
2-Hexanone
Concen: 97.51 ug/l
RT: 8.36 min Scan# 2418
Delta R.T. 0.00 min
Lab File: VU025769.D
Acq: 01 Aug 2018 12:07

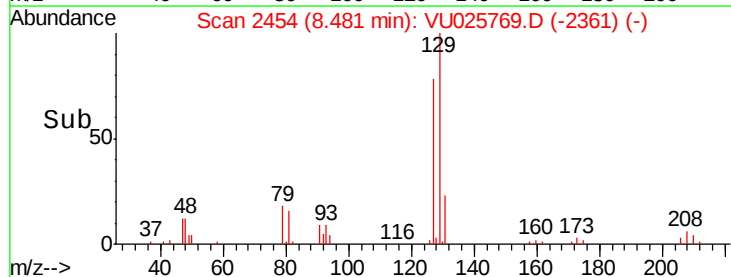
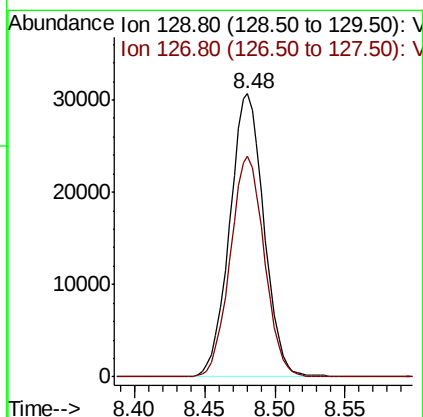
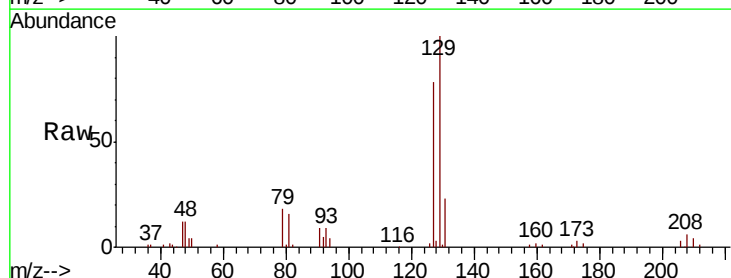
Instrument :
MSVOA_U
ClientSampleId :

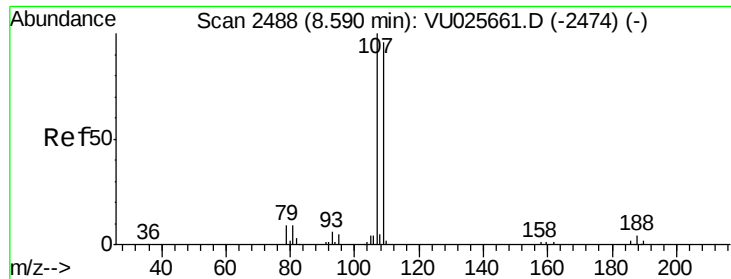
Tot Ion: 43 Resp: 251576
Ion Ratio Lower Upper
43 100
58 53.2 26.2 78.5



#60
Dibromochloromethane
Concen: 19.06 ug/l
RT: 8.48 min Scan# 2454
Delta R.T. 0.00 min
Lab File: VU025769.D
Acq: 01 Aug 2018 12:07

Tgt Ion: 129 Resp: 52046
Ion Ratio Lower Upper
129 100
127 77.6 38.6 115.8

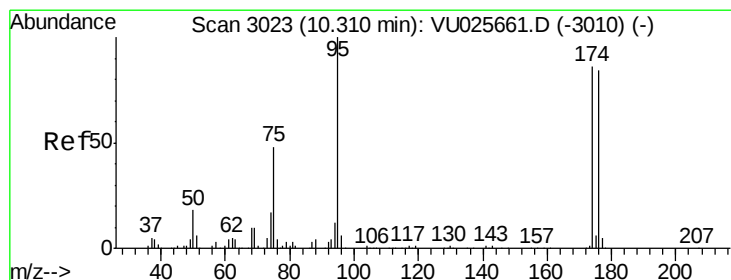
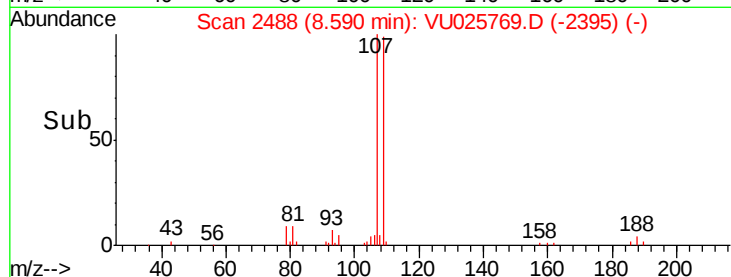
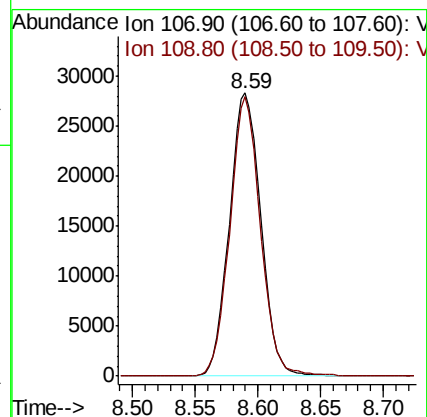
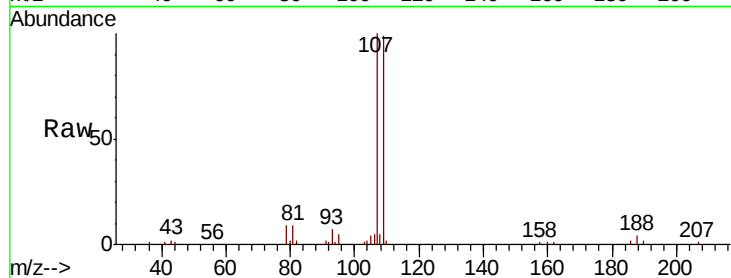




#61
 1,2-Dibromoethane
 Concen: 19.15 ug/l
 RT: 8.59 min Scan# 2488
 Delta R.T. 0.00 min
 Lab File: VU025769.D
 Acq: 01 Aug 2018 12:07

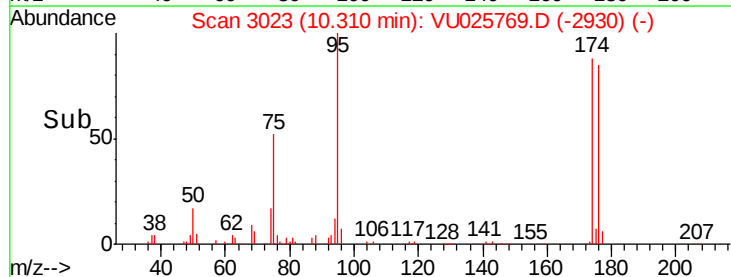
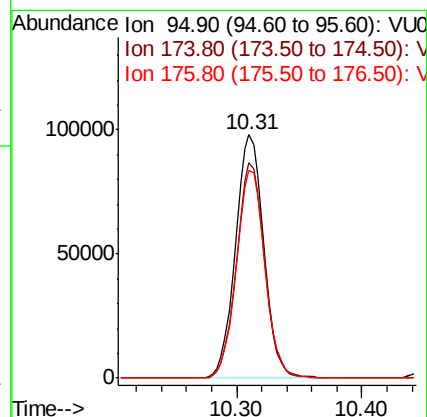
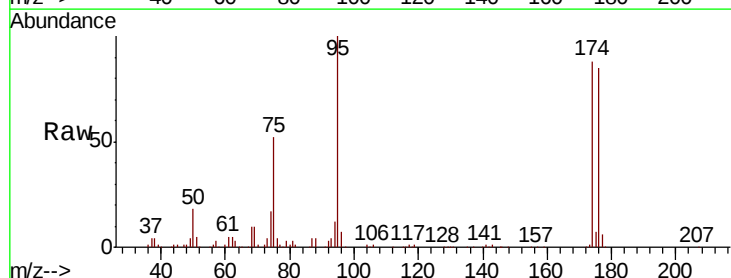
Instrument :
 MSVOA_U
 ClientSampleId :

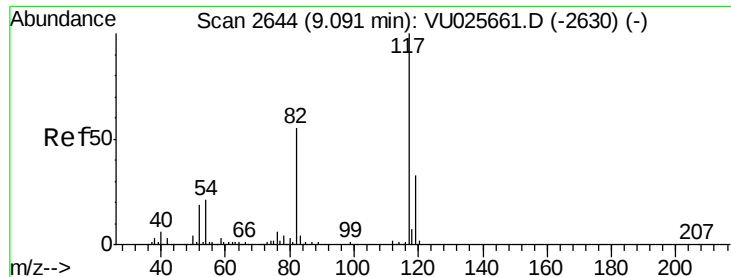
Tot Ion:107 Resp: 49317
 Ion Ratio Lower Upper
 107 100
 109 95.6 75.8 113.8



#62
 4-Bromofluorobenzene
 Concen: 49.44 ug/l
 RT: 10.31 min Scan# 3023
 Delta R.T. 0.00 min
 Lab File: VU025769.D
 Acq: 01 Aug 2018 12:07

Tgt Ion: 95 Resp: 153338
 Ion Ratio Lower Upper
 95 100
 174 87.8 0.0 172.2
 176 85.8 0.0 162.6

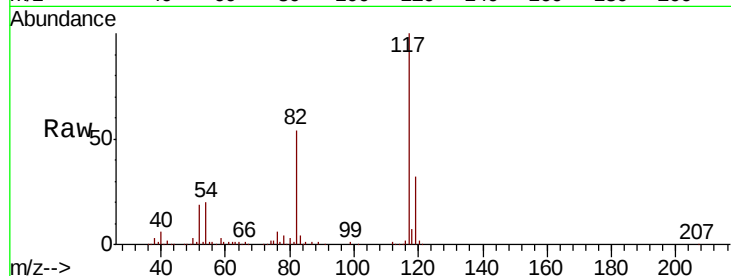




#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 9.09 min Scan# 2644
Delta R.T. 0.00 min
Lab File: VU025769.D
Acq: 01 Aug 2018 12:07

Instrument :
MSVOA_U
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
117	100		
82	54.0	46.0	69.0
119	31.6	26.0	39.0

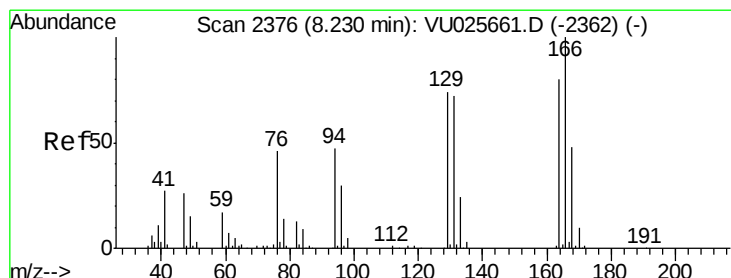
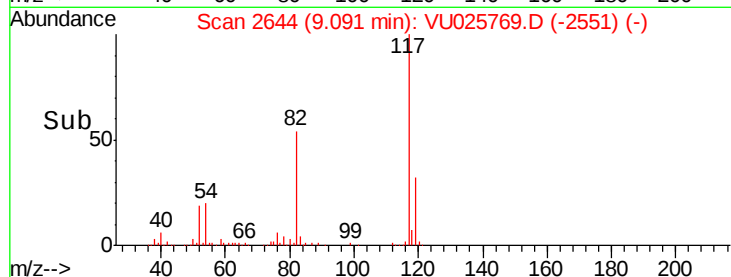
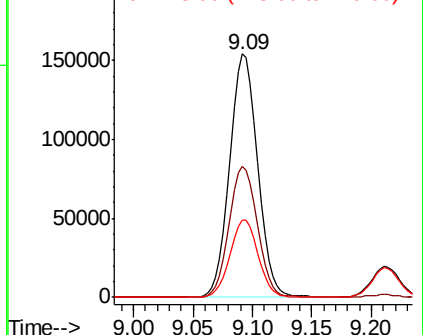


Abundance

Ion 116.90 (116.60 to 117.60): V

Ion 82.00 (81.70 to 82.70): V

Ion 118.90 (118.60 to 119.60): V



#64
Tetrachloroethene
Concen: 18.38 ug/l
RT: 8.23 min Scan# 2376
Delta R.T. 0.00 min
Lab File: VU025769.D
Acq: 01 Aug 2018 12:07

Tgt Ion	Ratio	Lower	Upper
164	100		
166	127.5	101.1	151.7
129	95.7	73.0	109.6
131	93.3	72.1	108.1

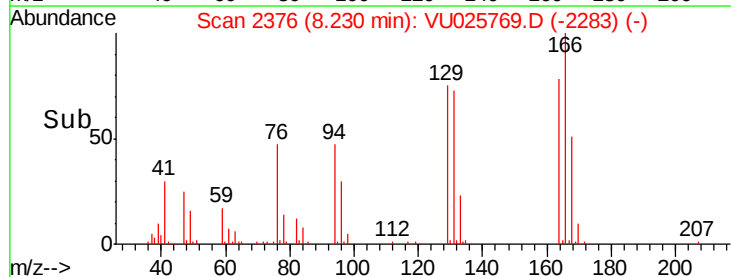
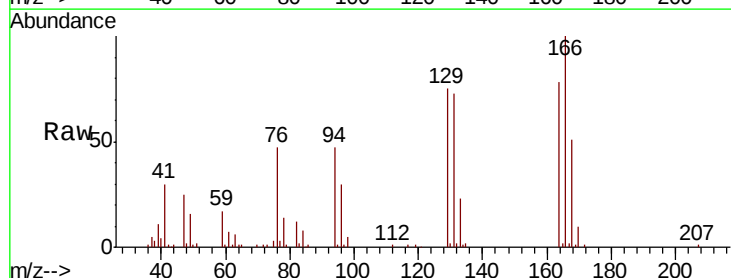
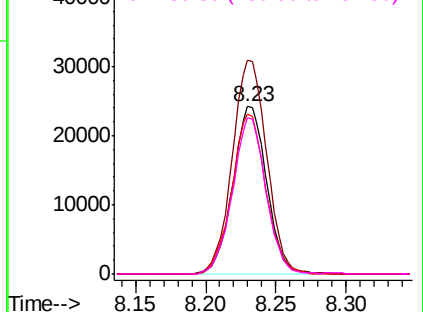
Abundance

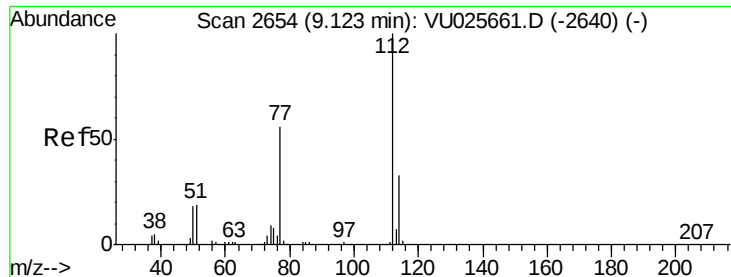
Ion 163.80 (163.50 to 164.50): V

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

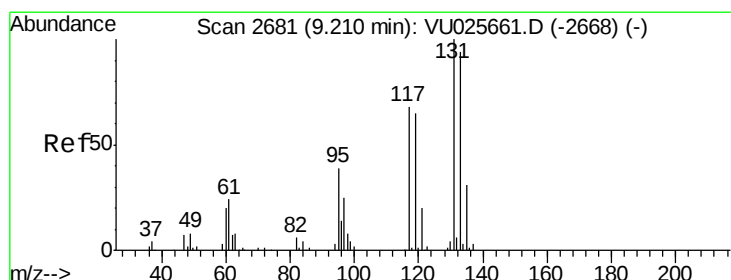
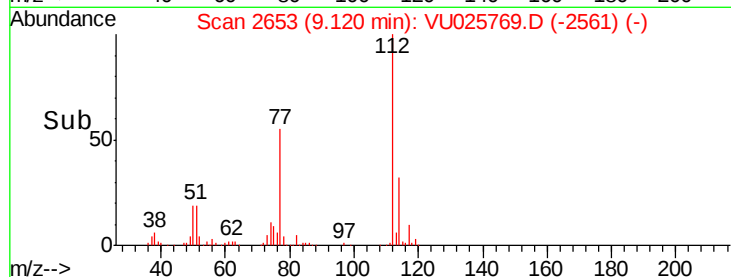
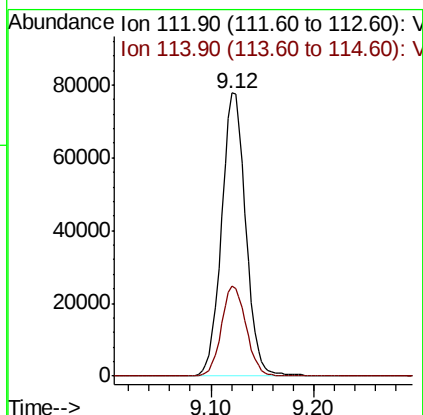
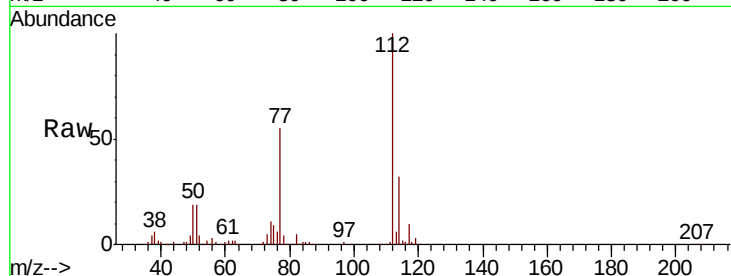




#65
Chlorobenzene
Concen: 19.53 ug/l
RT: 9.12 min Scan# 2653
Delta R.T. -0.00 min
Lab File: VU025769.D
Acq: 01 Aug 2018 12:07

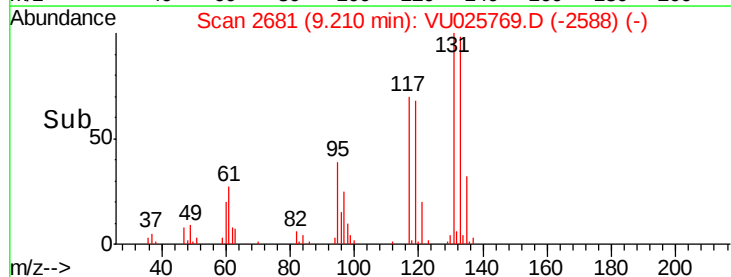
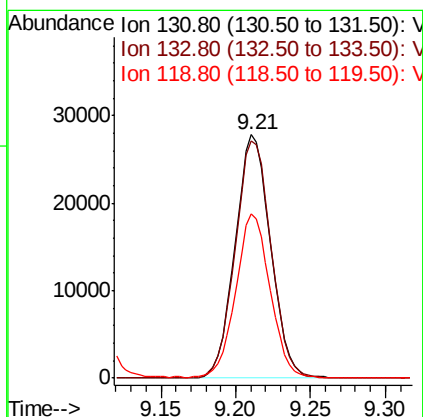
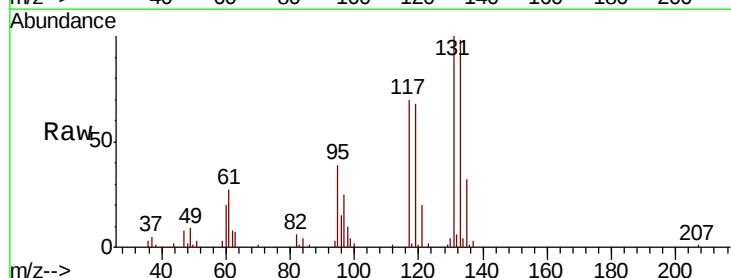
Instrument :
MSVOA_U
ClientSampled :

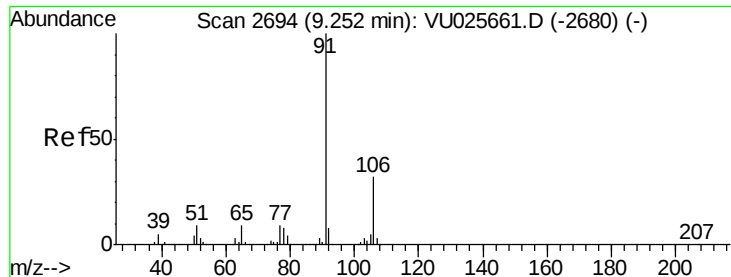
Tot Ion:112 Resp: 127054
Ion Ratio Lower Upper
112 100
114 31.7 25.8 38.8



#66
1,1,1,2-Tetrachloroethane
Concen: 19.47 ug/l
RT: 9.21 min Scan# 2681
Delta R.T. 0.00 min
Lab File: VU025769.D
Acq: 01 Aug 2018 12:07

Tgt Ion:131 Resp: 45838
Ion Ratio Lower Upper
131 100
133 99.1 47.8 143.3
119 65.9 31.6 95.0





#67

Ethyl Benzene

Concen: 19.22 ug/l

RT: 9.25 min Scan# 2694

Delta R.T. 0.00 min

Lab File: VU025769.D

Acq: 01 Aug 2018 12:07

Instrument :

MSVOA_U

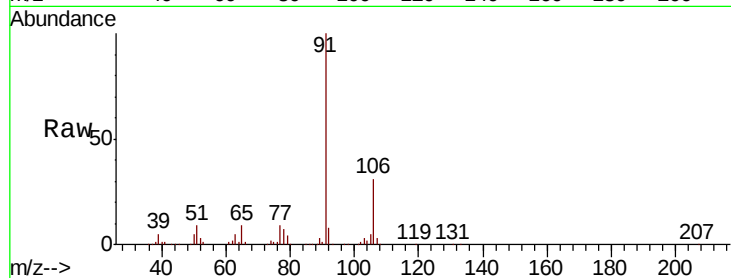
ClientSampleId :

Tot Ion: 91 Resp: 207118

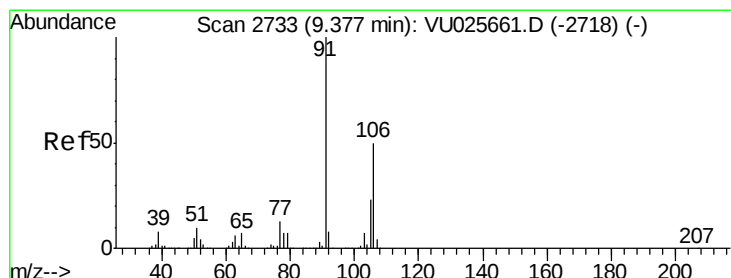
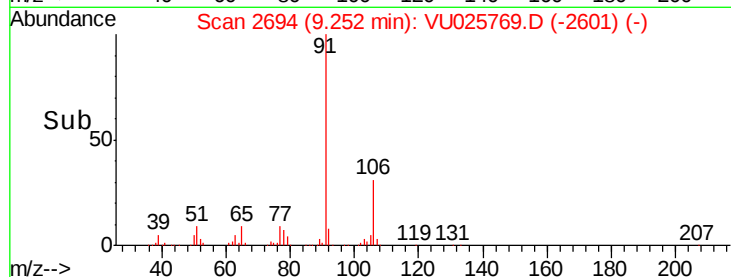
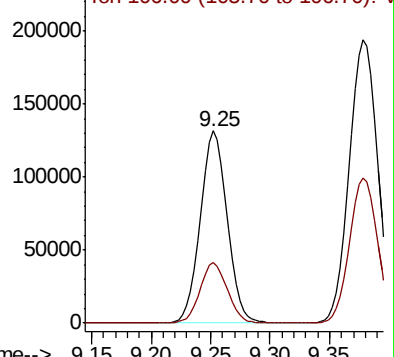
Ion Ratio Lower Upper

91 100

106 31.5 25.3 37.9



Abundance Ion 91.00 (90.70 to 91.70): VU025769.D (-2680) (-)



#68

m/p-Xylenes

Concen: 39.79 ug/l

RT: 9.38 min Scan# 2733

Delta R.T. 0.00 min

Lab File: VU025769.D

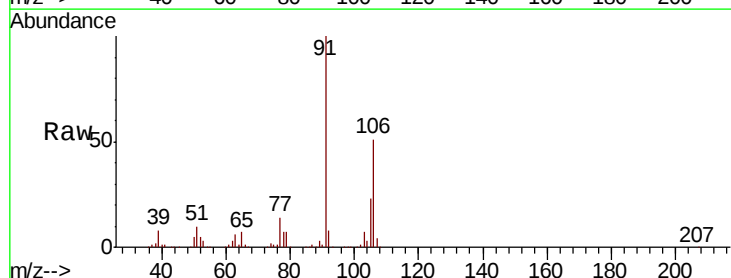
Acq: 01 Aug 2018 12:07

Tgt Ion: 106 Resp: 164664

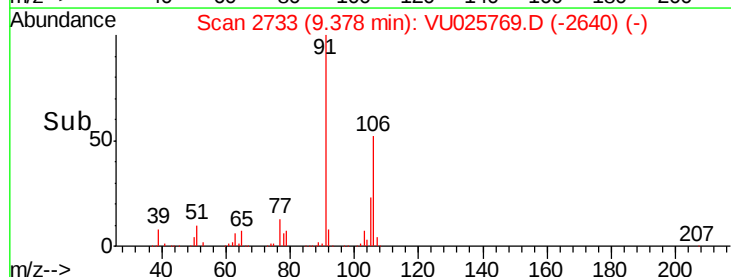
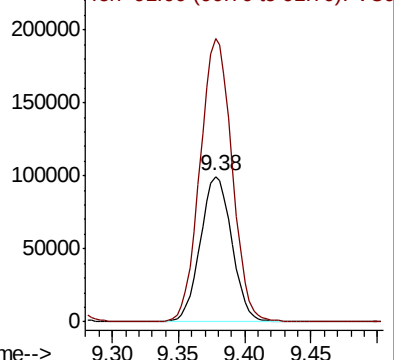
Ion Ratio Lower Upper

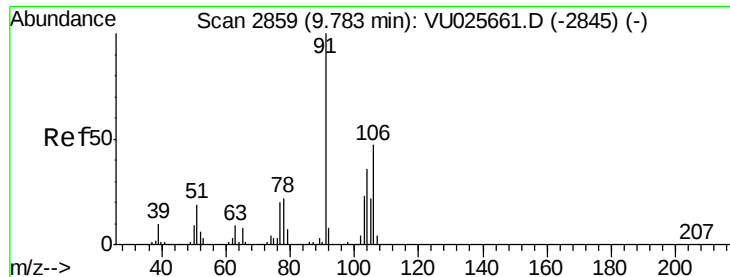
106 100

91 197.7 162.3 243.5



Abundance Ion 106.00 (105.70 to 106.70): VU025769.D (-2718) (-)

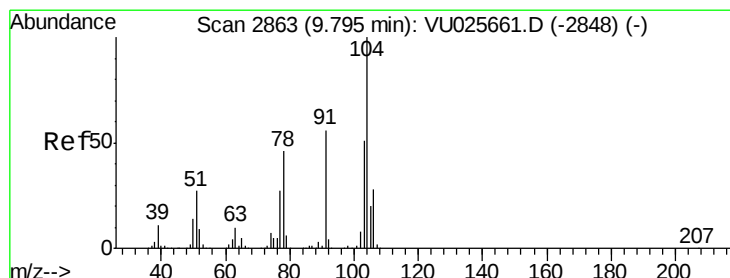
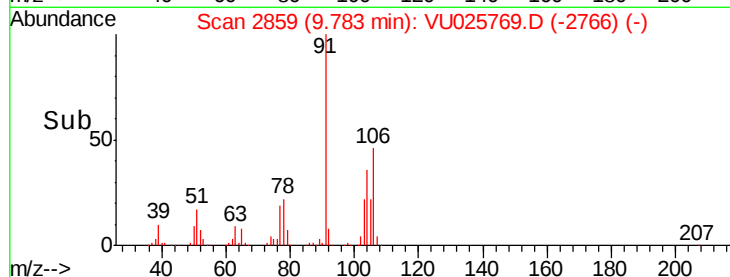
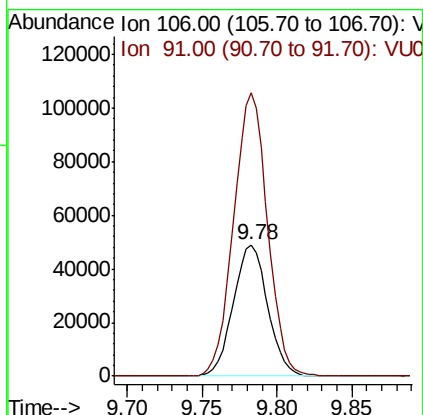
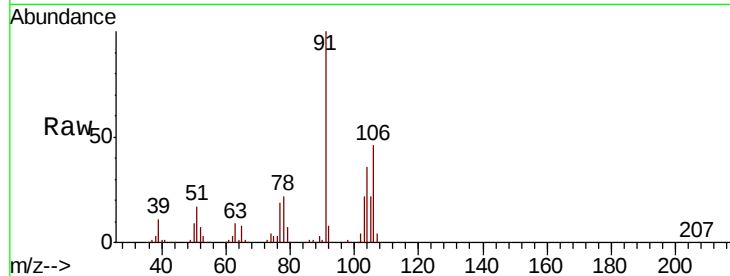




#69
o-Xylene
Concen: 19.35 ug/l
RT: 9.78 min Scan# 2859
Delta R.T. 0.00 min
Lab File: VU025769.D
Acq: 01 Aug 2018 12:07

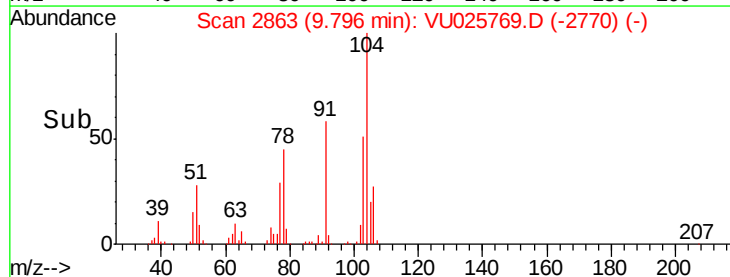
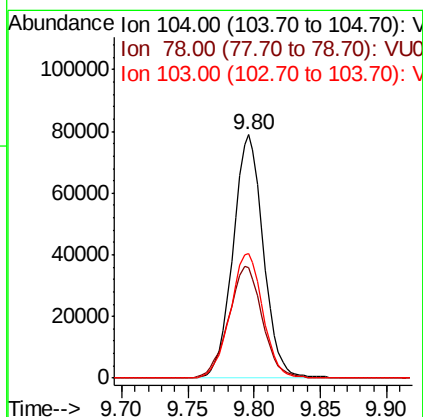
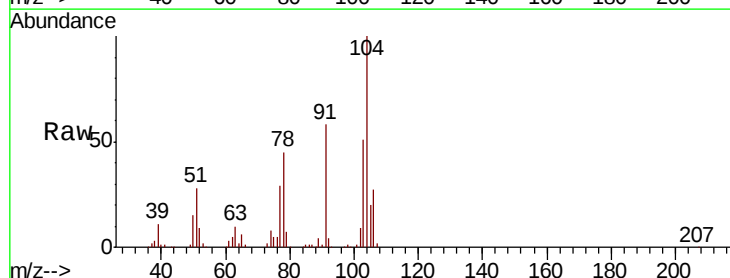
Instrument :
MSVOA_U
ClientSampled :

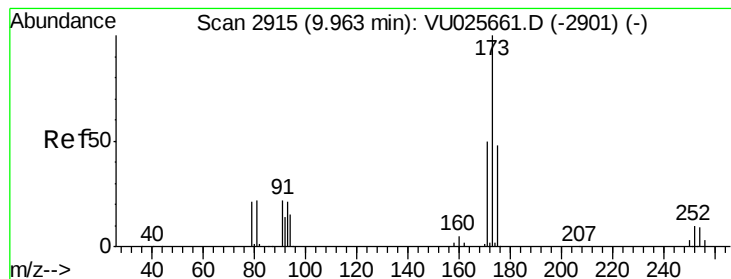
Tot Ion:106 Resp: 78239
Ion Ratio Lower Upper
106 100
91 212.7 105.3 315.8



#70
Styrene
Concen: 19.22 ug/l
RT: 9.80 min Scan# 2863
Delta R.T. 0.00 min
Lab File: VU025769.D
Acq: 01 Aug 2018 12:07

Tgt Ion:104 Resp: 125536
Ion Ratio Lower Upper
104 100
78 51.3 41.6 62.4
103 55.3 44.6 66.8





#71

Bromoform

Concen: 19.21 ug/l

RT: 9.96 min Scan# 2914

Delta R.T. -0.00 min

Lab File: VU025769.D

Acq: 01 Aug 2018 12:07

Instrument :
MSVOA_U
ClientSampleId :

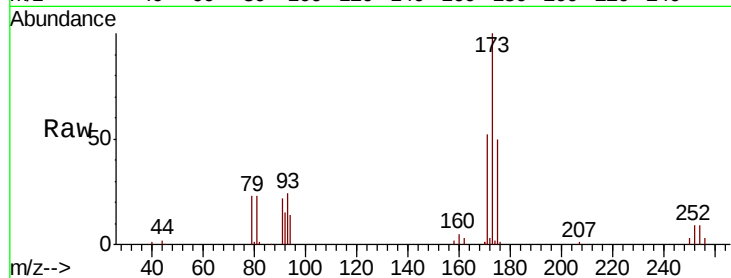
Tot Ion:173 Resp: 39216

Ion Ratio Lower Upper

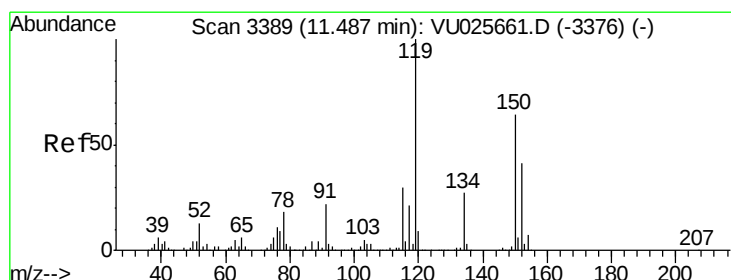
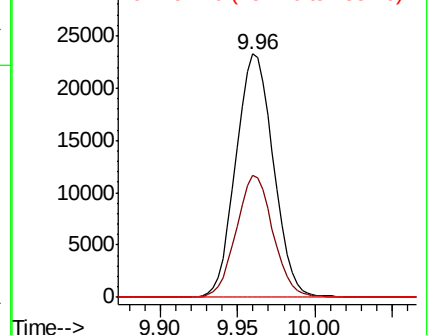
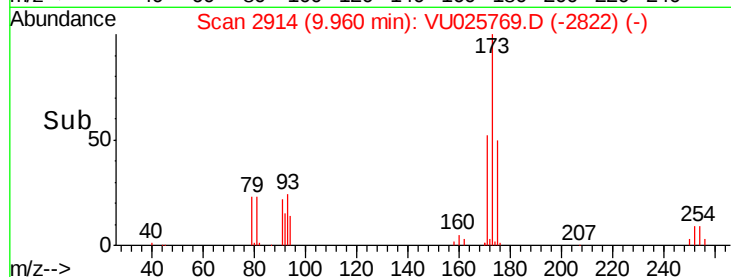
173 100

175 49.0 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: VU025769.D

Acq: 01 Aug 2018 12:07

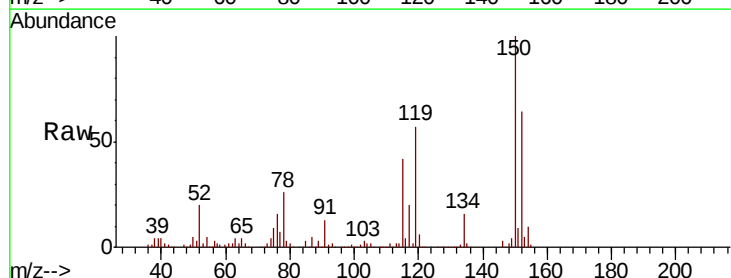
Tgt Ion:152 Resp: 155403

Ion Ratio Lower Upper

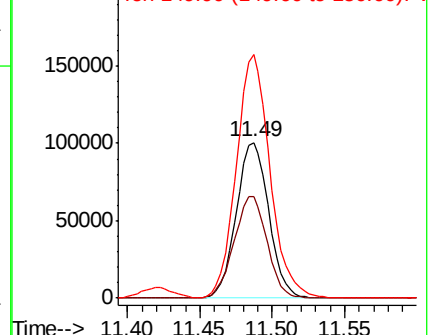
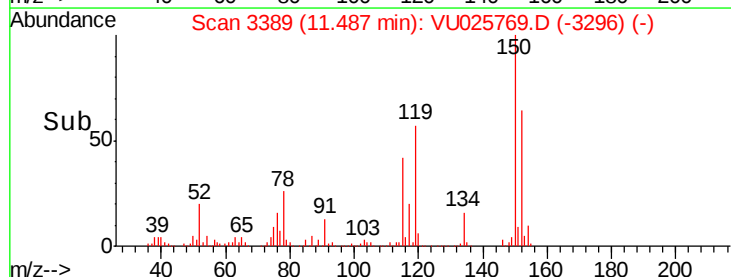
152 100

115 66.9 40.1 120.3

150 163.3 0.0 351.4



Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 19.89 ug/l

RT: 10.17 min Scan# 2979

Delta R.T. 0.00 min

Lab File: VU025769.D

Acq: 01 Aug 2018 12:07

Instrument :

MSVOA_U

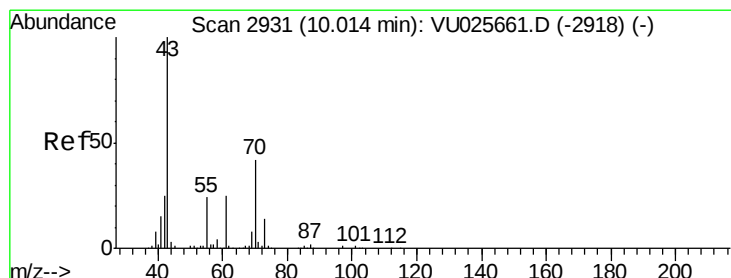
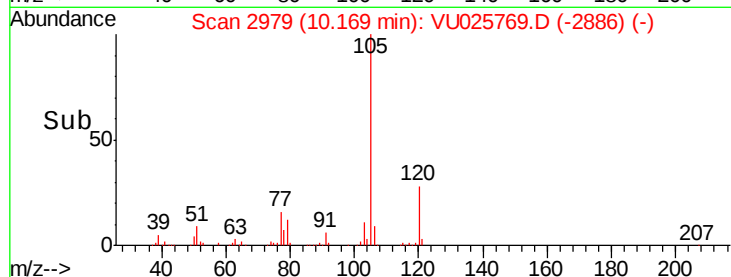
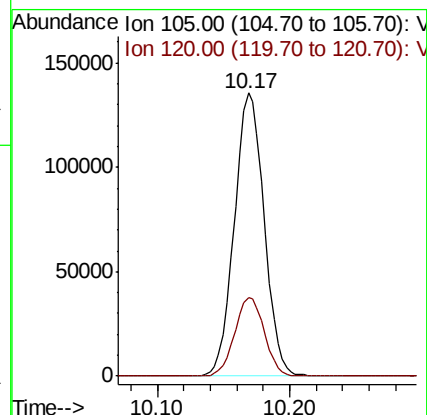
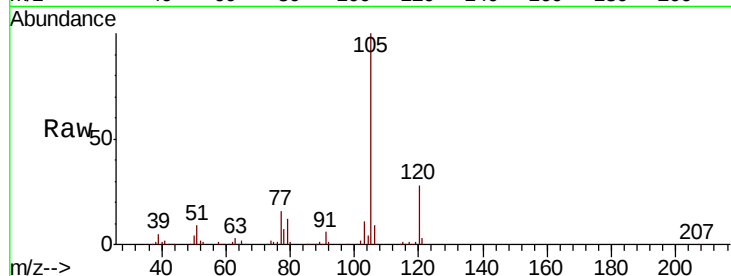
ClientSampleId :

Tot Ion:105 Resp: 210990

Ion Ratio Lower Upper

105 100

120 27.6 13.5 40.5



#74

N-ethyl acetate

Concen: 20.29 ug/l

RT: 10.01 min Scan# 2931

Delta R.T. 0.00 min

Lab File: VU025769.D

Acq: 01 Aug 2018 12:07

Tgt Ion: 43 Resp: 87855

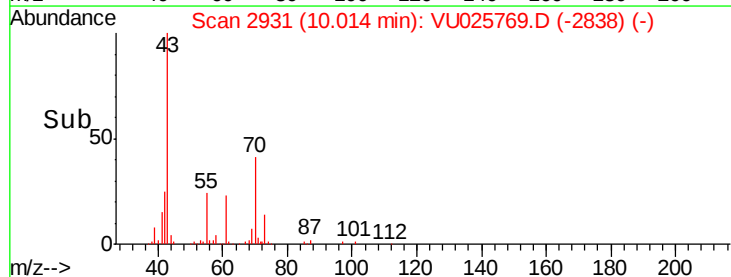
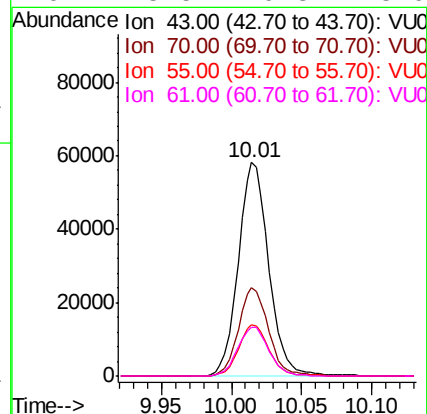
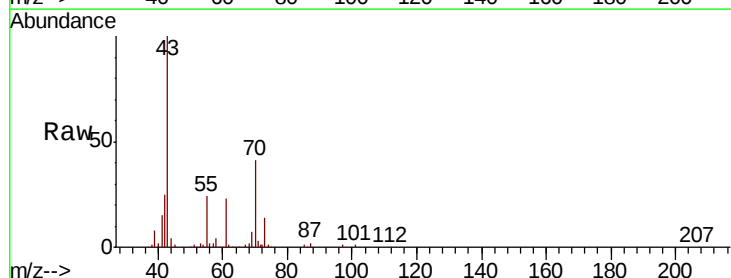
Ion Ratio Lower Upper

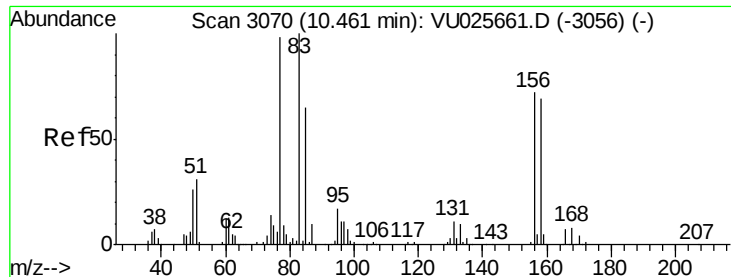
43 100

70 40.7 33.4 50.2

55 23.9 19.0 28.6

61 23.5 19.3 28.9





#75

1,1,2,2-Tetrachloroethane

Concen: 19.64 ug/l

RT: 10.46 min Scan# 3070

Delta R.T. 0.00 min

Lab File: VU025769.D

Acq: 01 Aug 2018 12:07

Instrument :

MSVOA_U

ClientSampleId :

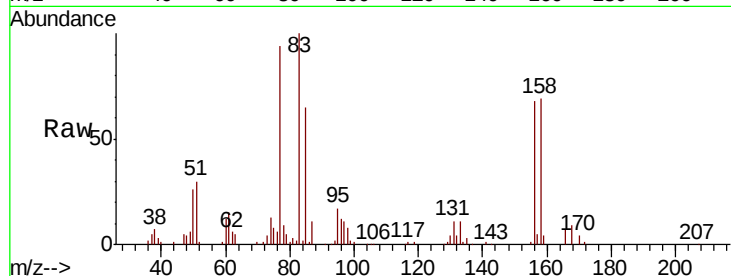
Tot Ion: 83 Resp: 72031

Ion Ratio Lower Upper

83 100

131 10.6 5.5 16.4

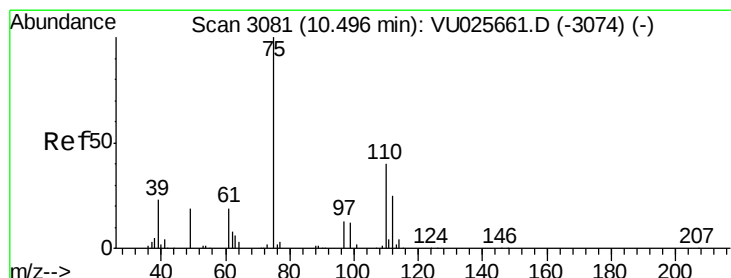
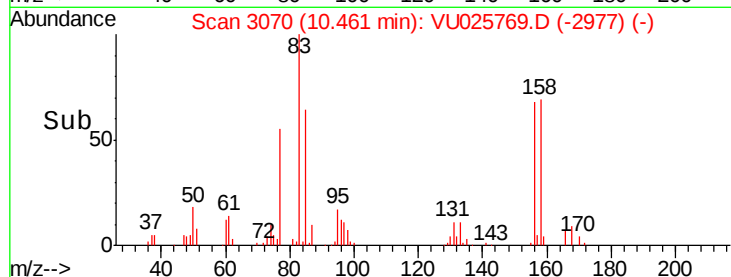
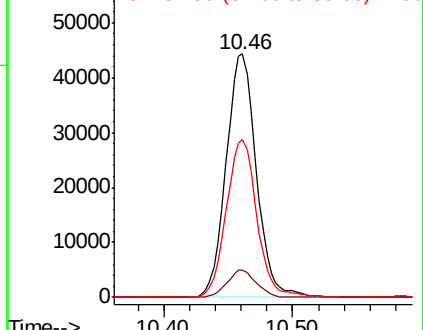
85 65.8 31.6 94.8



Abundance Ion 82.90 (82.60 to 83.60): VU025661.D (-3056) (-)

Ion 130.80 (130.50 to 131.50): VU025661.D (-3056) (-)

Ion 84.90 (84.60 to 85.60): VU025661.D (-3056) (-)



#76

1,2,3-Trichloropropane

Concen: 24.81 ug/l

RT: 10.50 min Scan# 3081

Delta R.T. 0.00 min

Lab File: VU025769.D

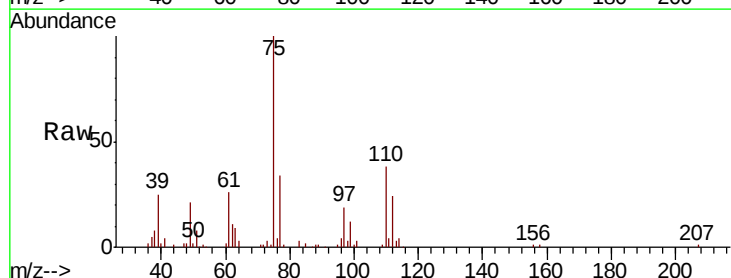
Acq: 01 Aug 2018 12:07

Tgt Ion: 75 Resp: 84950

Ion Ratio Lower Upper

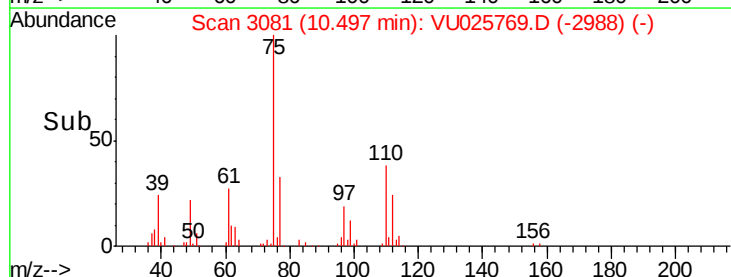
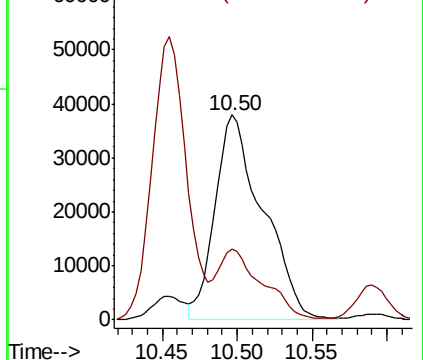
75 100

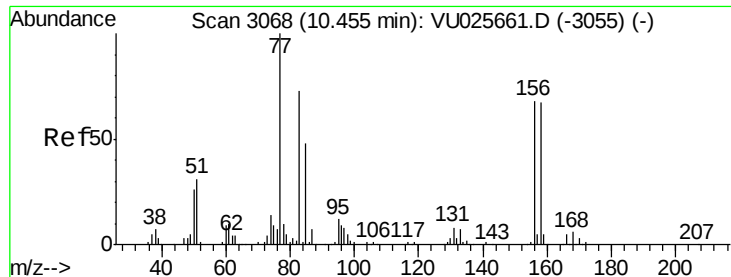
77 32.5 20.4 61.3



Abundance Ion 74.90 (74.60 to 75.60): VU025661.D (-3074) (-)

Ion 77.00 (76.70 to 77.70): VU025661.D (-3074) (-)





#77

Bromobenzene

Concen: 19.60 ug/l

RT: 10.45 min Scan# 3068

Delta R.T. 0.00 min

Lab File: VU025769.D

Acq: 01 Aug 2018 12:07

Instrument :

MSVOA_U

ClientSampleId :

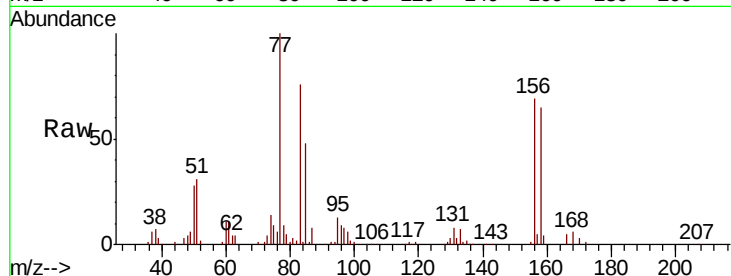
Tot Ion:156 Resp: 57347

Ion Ratio Lower Upper

156 100

77 145.2 73.8 221.4

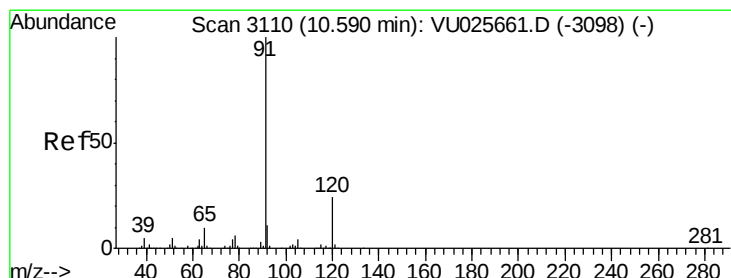
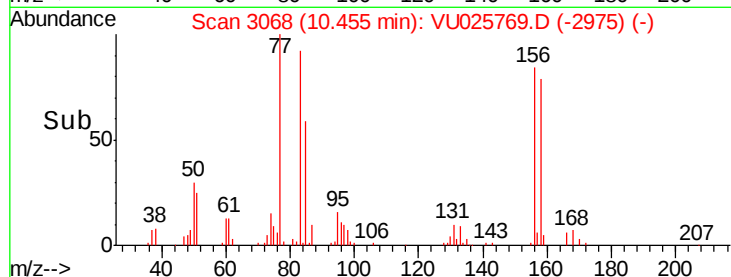
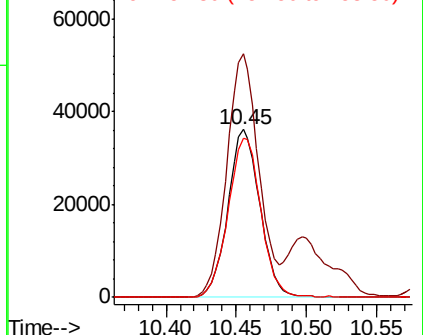
158 97.3 48.0 144.0



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VU0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 19.89 ug/l

RT: 10.59 min Scan# 3110

Delta R.T. 0.00 min

Lab File: VU025769.D

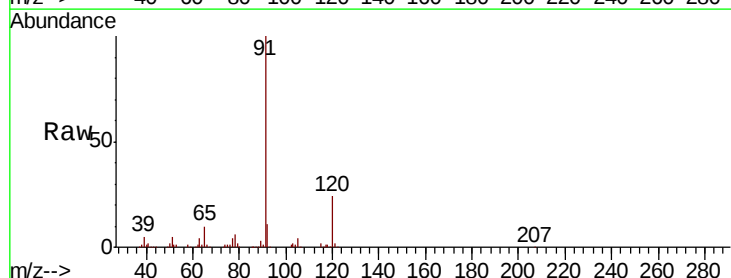
Acq: 01 Aug 2018 12:07

Tgt Ion: 91 Resp: 246249

Ion Ratio Lower Upper

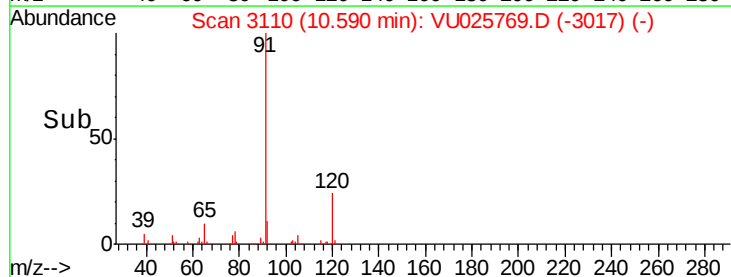
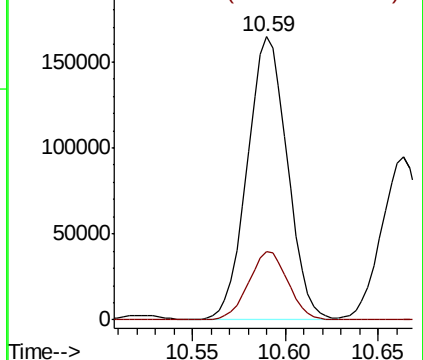
91 100

120 23.9 11.8 35.3



Abundance Ion 91.00 (90.70 to 91.70): VU0

Ion 120.00 (119.70 to 120.70): V

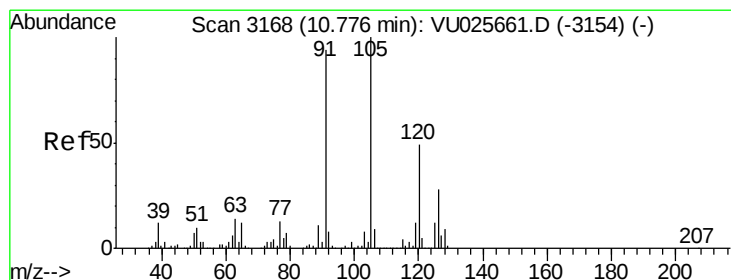
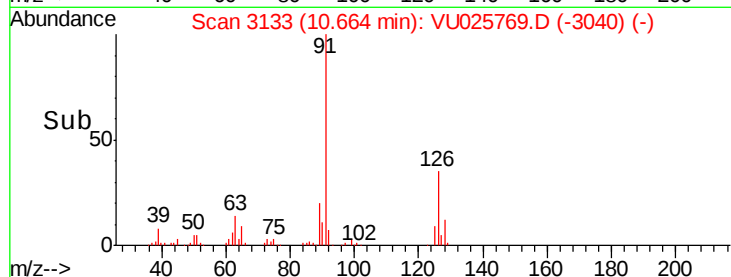
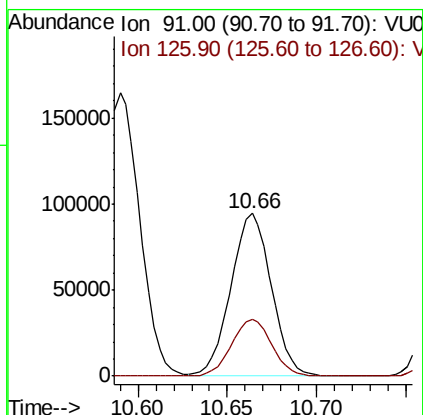
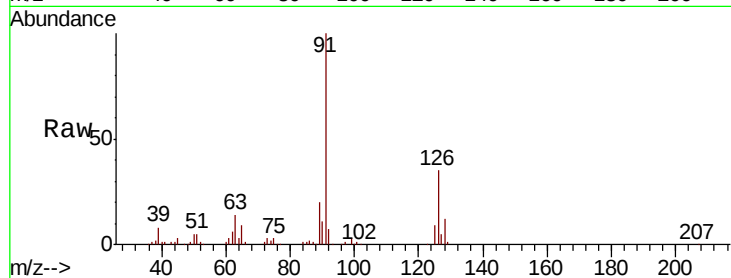




#79
2-Chlorotoluene
Concen: 20.32 ug/l
RT: 10.66 min Scan# 3133
Delta R.T. 0.00 min
Lab File: VU025769.D
Acq: 01 Aug 2018 12:07

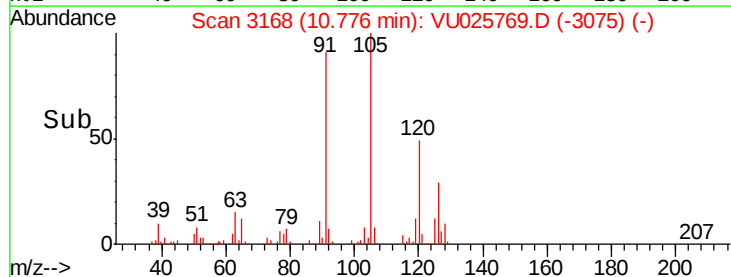
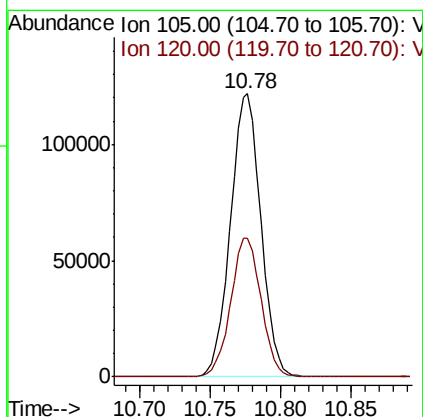
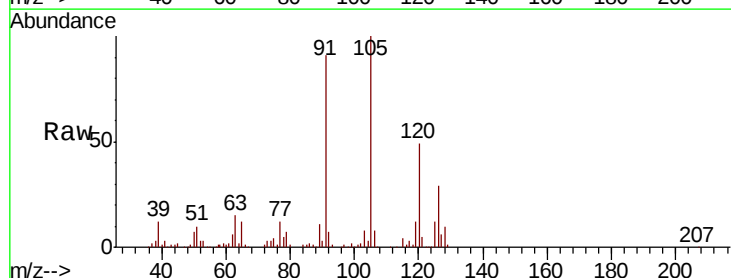
Instrument :
MSVOA_U
ClientSampled :

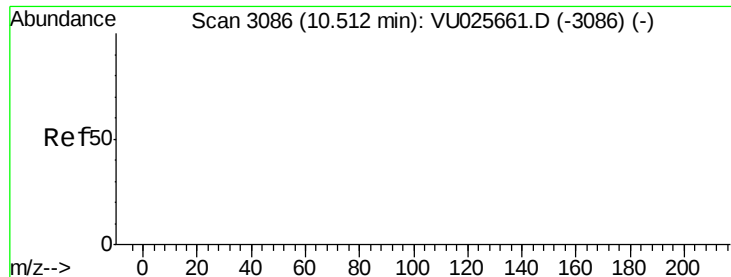
Tot Ion: 91 Resp: 147345
Ion Ratio Lower Upper
91 100
126 35.2 17.5 52.6



#80
1,3,5-Trimethylbenzene
Concen: 20.38 ug/l
RT: 10.78 min Scan# 3168
Delta R.T. 0.00 min
Lab File: VU025769.D
Acq: 01 Aug 2018 12:07

Tgt Ion: 105 Resp: 183620
Ion Ratio Lower Upper
105 100
120 49.1 24.1 72.2

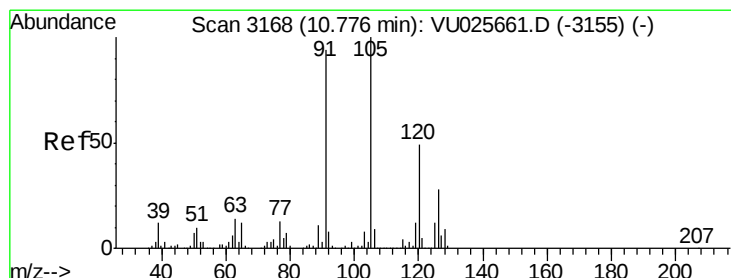
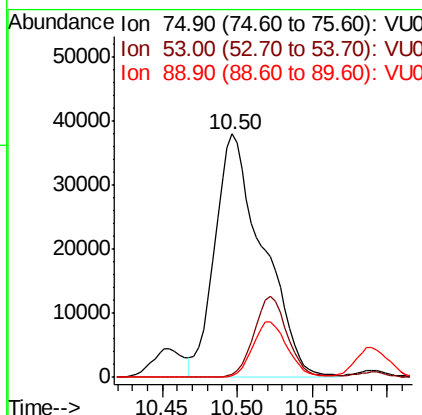
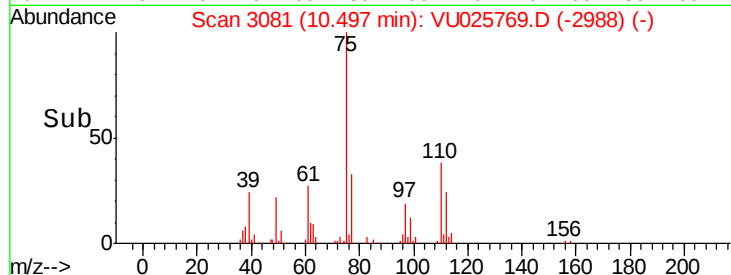
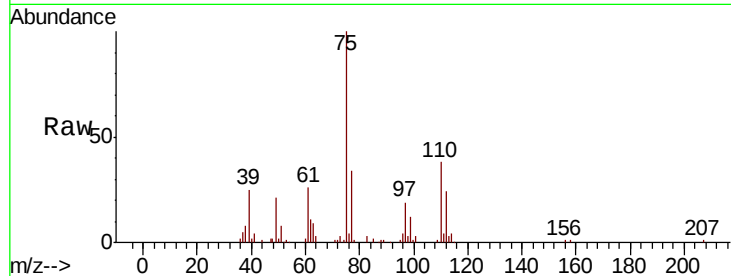




#81
trans-1,4-Dichloro-2-butene
Concen: 62.21 ug/l
RT: 10.50 min Scan# 3081
Delta R.T. 0.00 min
Lab File: VU025769.D
Acq: 01 Aug 2018 12:07

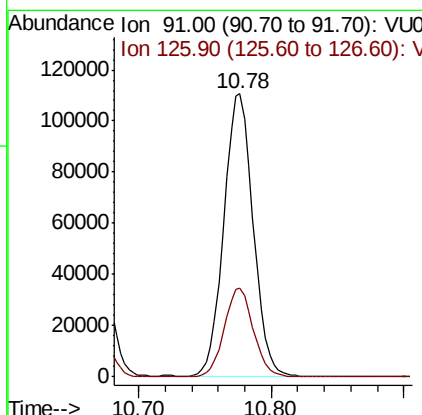
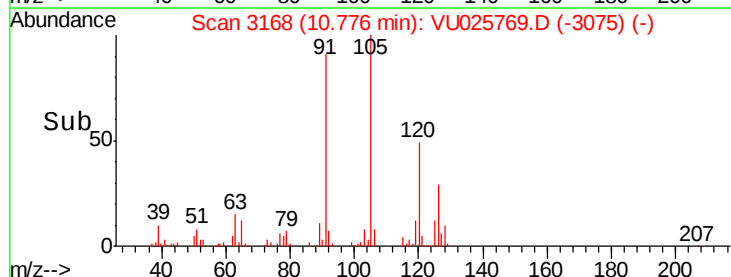
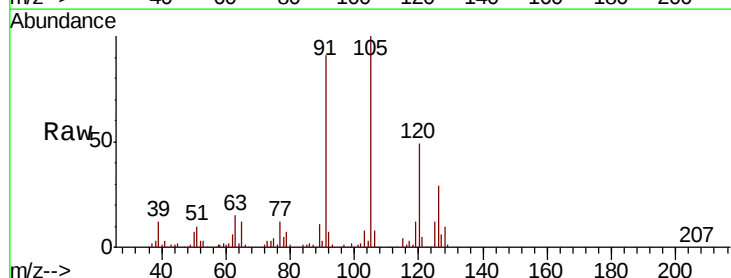
Instrument :
MSVOA_U
ClientSampleId :

Tot Ion: 75 Resp: 84950
Ion Ratio Lower Upper
75 100
53 0.0 0.0 0.0
89 0.0 0.0 0.0



#82
4-Chlorotoluene
Concen: 19.83 ug/l
RT: 10.78 min Scan# 3168
Delta R.T. 0.00 min
Lab File: VU025769.D
Acq: 01 Aug 2018 12:07

Tgt Ion: 91 Resp: 169497
Ion Ratio Lower Upper
91 100
126 31.2 15.3 45.9

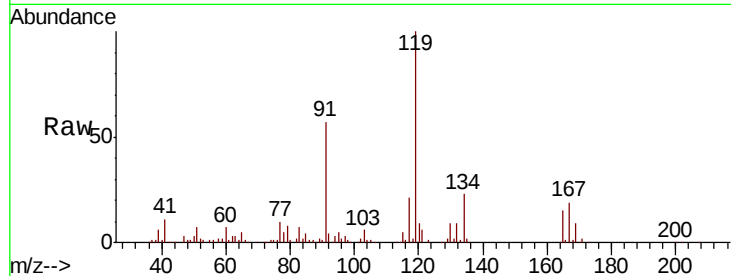




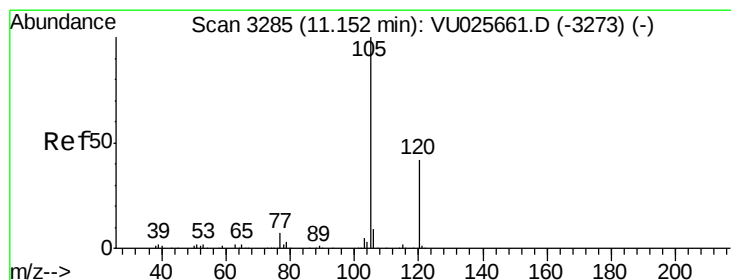
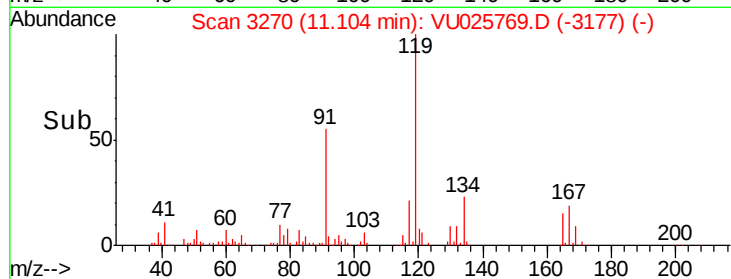
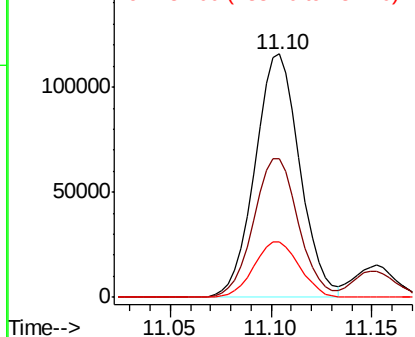
#83
 tert-Butylbenzene
 Concen: 20.05 ug/l
 RT: 11.10 min Scan# 3270
 Delta R.T. 0.00 min
 Lab File: VU025769.D
 Acq: 01 Aug 2018 12:07

Instrument :
 MSVOA_U
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
119	100		
91	57.5	29.7	89.1
134	23.2	11.5	34.5

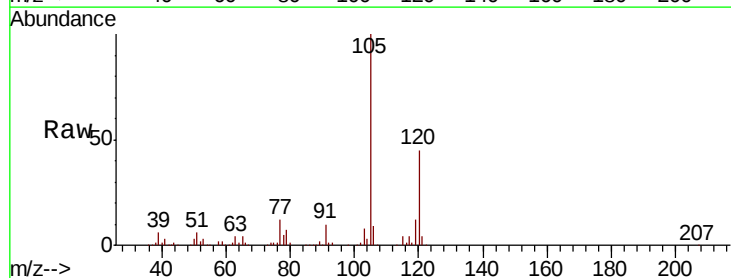


Abundance Ion 119.00 (118.70 to 119.70): V
 Ion 91.00 (90.70 to 91.70): VU0
 Ion 134.00 (133.70 to 134.70): V

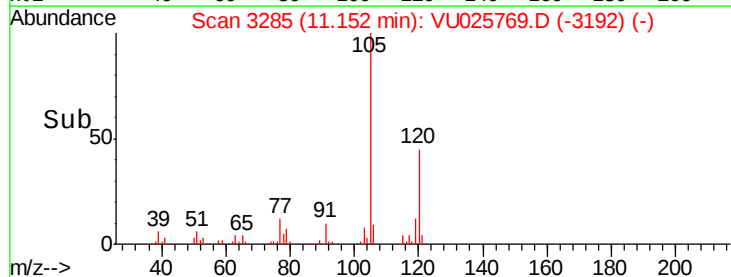
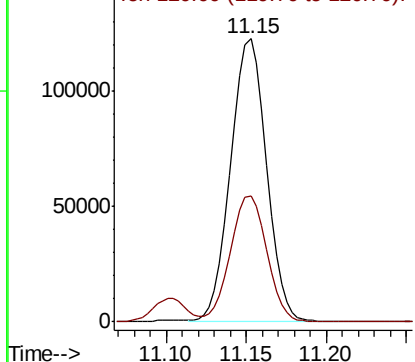


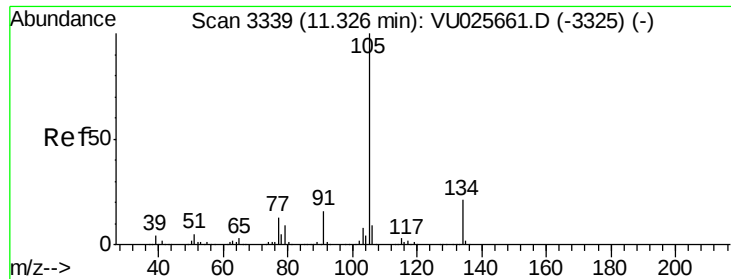
#84
 1,2,4-Trimethylbenzene
 Concen: 20.48 ug/l
 RT: 11.15 min Scan# 3285
 Delta R.T. 0.00 min
 Lab File: VU025769.D
 Acq: 01 Aug 2018 12:07

Tgt Ion	Ratio	Lower	Upper
105	100		
120	45.3	22.3	66.8



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

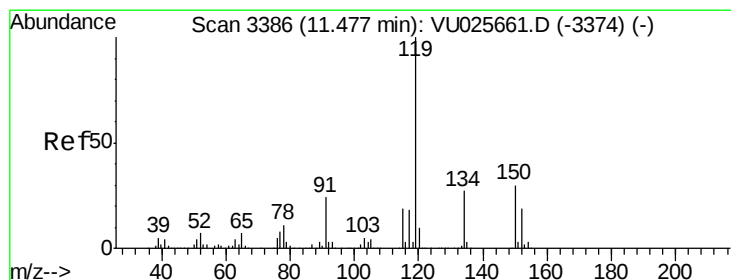
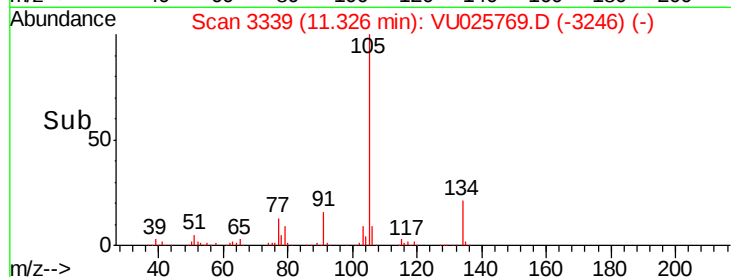
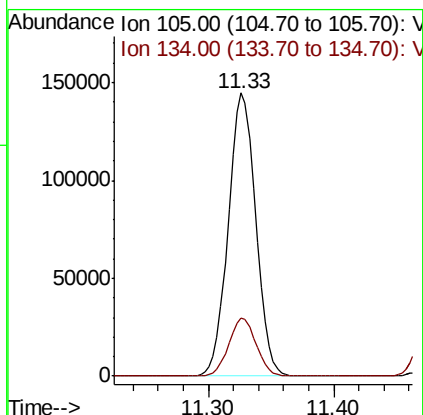
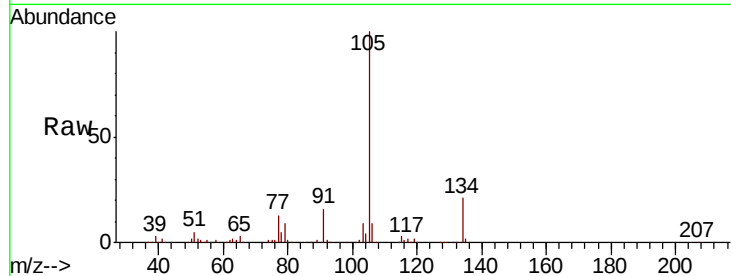




#85
 sec-Butylbenzene
 Concen: 20.11 ug/l
 RT: 11.33 min Scan# 3339
 Delta R.T. 0.00 min
 Lab File: VU025769.D
 Acq: 01 Aug 2018 12:07

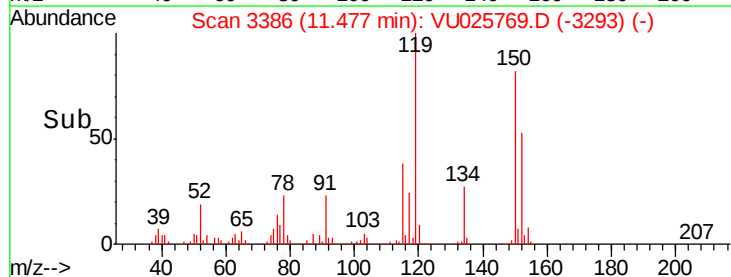
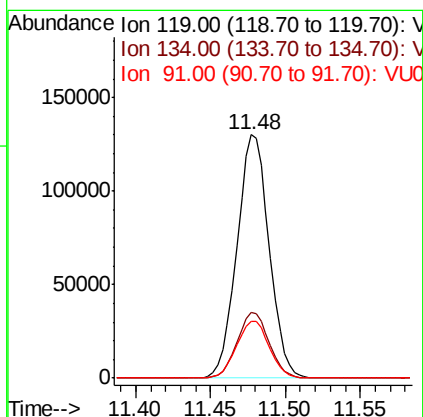
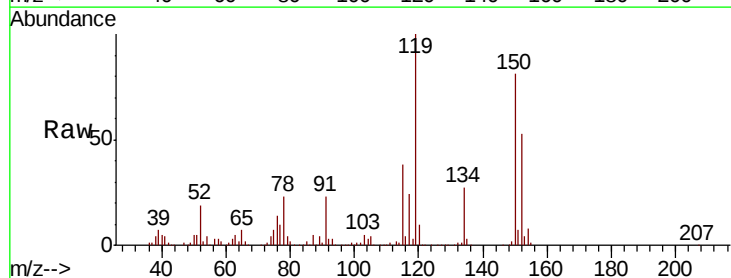
Instrument :
 MSVOA_U
 ClientSampleId :

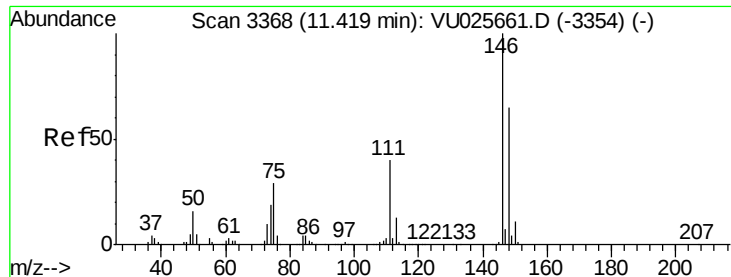
Tot Ion:105 Resp: 219760
 Ion Ratio Lower Upper
 105 100
 134 20.4 10.3 30.8



#86
 p-Isopropyltoluene
 Concen: 19.87 ug/l
 RT: 11.48 min Scan# 3386
 Delta R.T. 0.00 min
 Lab File: VU025769.D
 Acq: 01 Aug 2018 12:07

Tgt Ion:119 Resp: 194459
 Ion Ratio Lower Upper
 119 100
 134 26.7 13.2 39.5
 91 23.9 12.0 36.1





#87

1,3-Dichlorobenzene

Concen: 19.52 ug/l

RT: 11.42 min Scan# 3368

Delta R.T. 0.00 min

Lab File: VU025769.D

Acq: 01 Aug 2018 12:07

Instrument :

MSVOA_U

ClientSampleId :

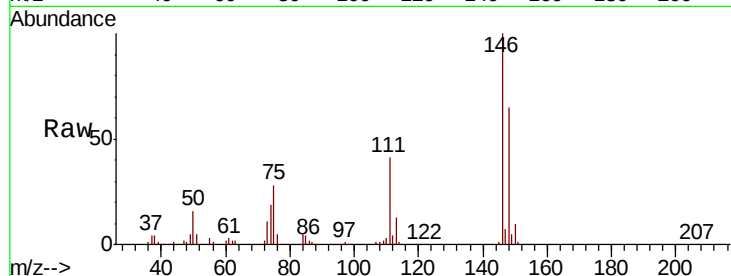
Tot Ion:146 Resp: 105986

Ion Ratio Lower Upper

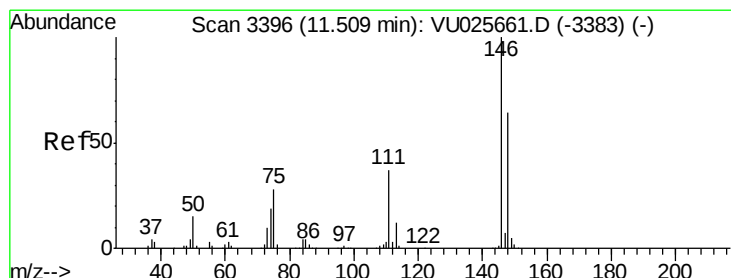
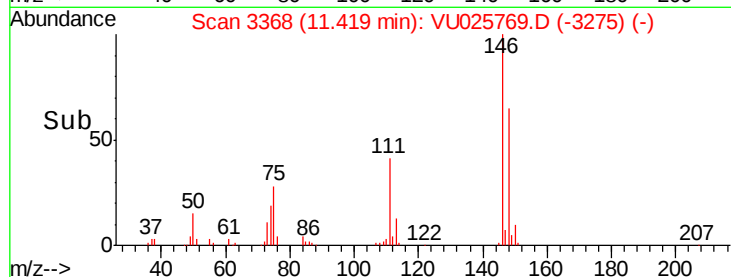
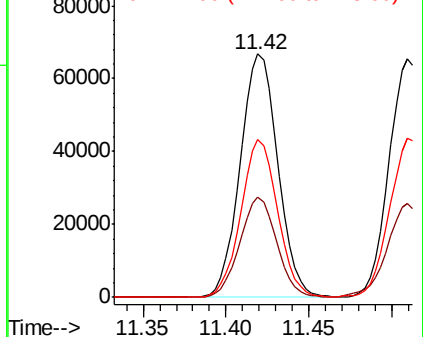
146 100

111 40.0 19.7 59.1

148 63.0 32.1 96.3



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



#88

1,4-Dichlorobenzene

Concen: 18.72 ug/l

RT: 11.51 min Scan# 3396

Delta R.T. 0.00 min

Lab File: VU025769.D

Acq: 01 Aug 2018 12:07

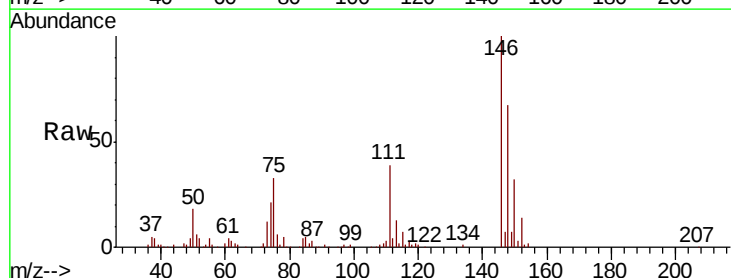
Tgt Ion:146 Resp: 105946

Ion Ratio Lower Upper

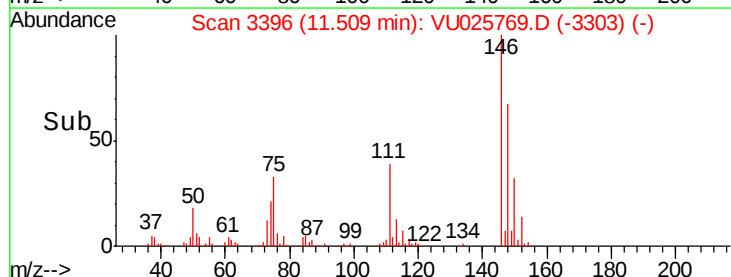
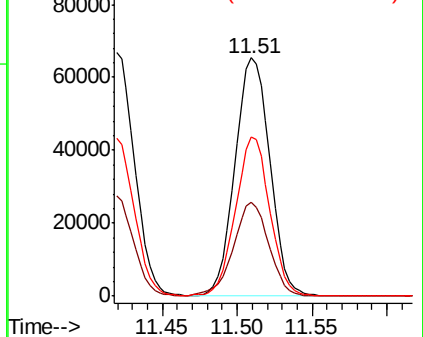
146 100

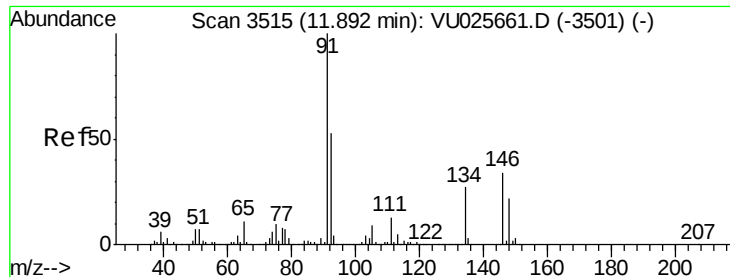
111 40.3 19.4 58.1

148 65.9 31.7 95.1



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





#89

n-Butylbenzene

Concen: 19.33 ug/l

RT: 11.89 min Scan# 3515

Delta R.T. 0.00 min

Lab File: VU025769.D

Acq: 01 Aug 2018 12:07

Instrument :

MSVOA_U

ClientSampled :

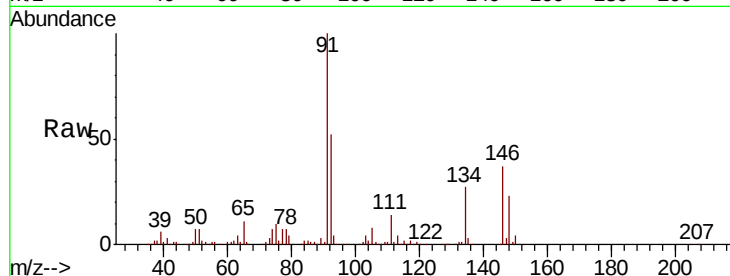
Tot Ion: 91 Resp: 174503

Ion Ratio Lower Upper

91 100

92 52.1 26.5 79.5

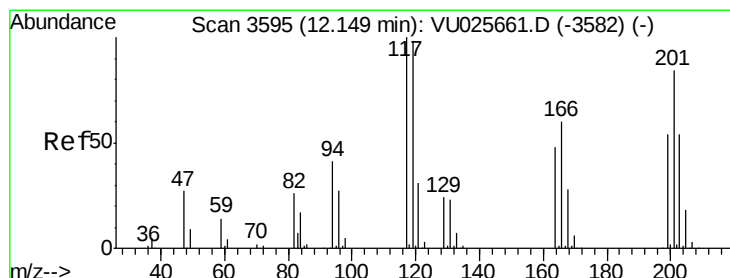
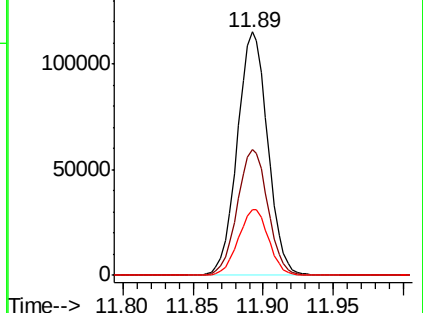
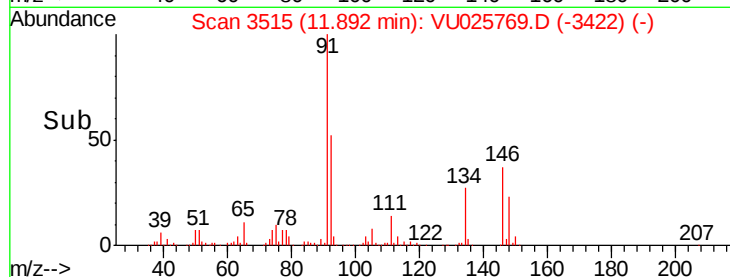
134 26.8 13.6 40.7



Abundance Ion 91.00 (90.70 to 91.70): VU025661.D (-3501) (-)

Ion 92.00 (91.70 to 92.70): VU025661.D (-3501) (-)

Ion 134.00 (133.70 to 134.70): VU025661.D (-3501) (-)



#90

Hexachloroethane

Concen: 19.27 ug/l

RT: 12.15 min Scan# 3595

Delta R.T. 0.00 min

Lab File: VU025769.D

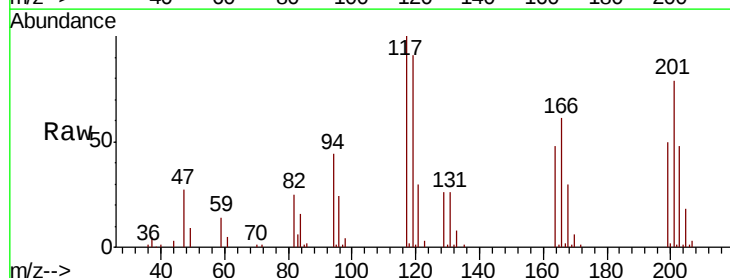
Acq: 01 Aug 2018 12:07

Tgt Ion: 117 Resp: 33518

Ion Ratio Lower Upper

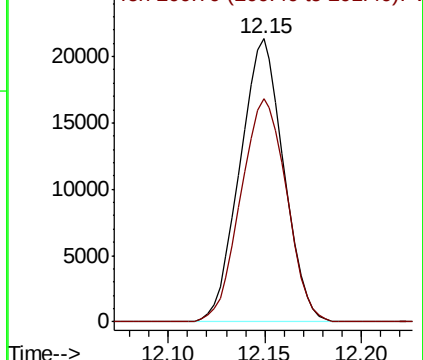
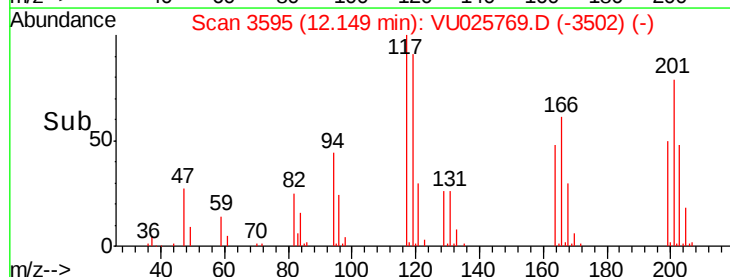
117 100

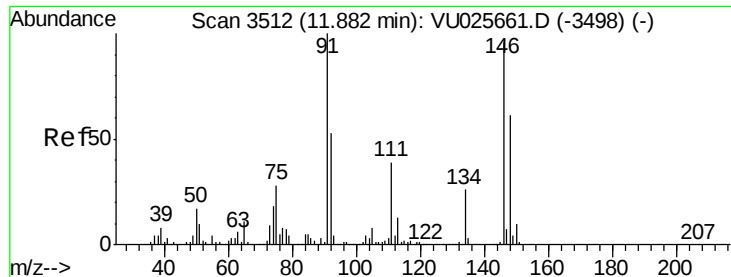
201 82.6 42.5 127.6



Abundance Ion 116.80 (116.50 to 117.50): VU025661.D (-3582) (-)

Ion 200.70 (200.40 to 201.40): VU025661.D (-3582) (-)

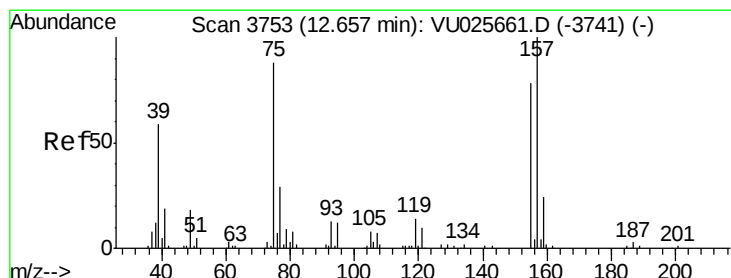
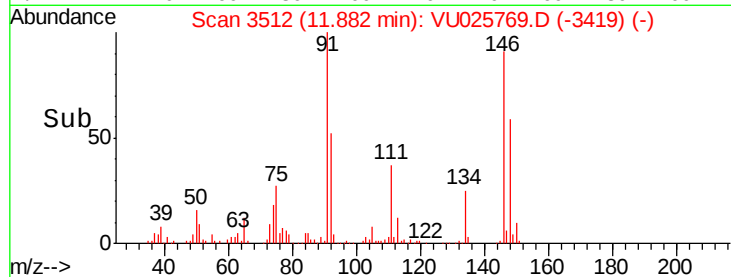
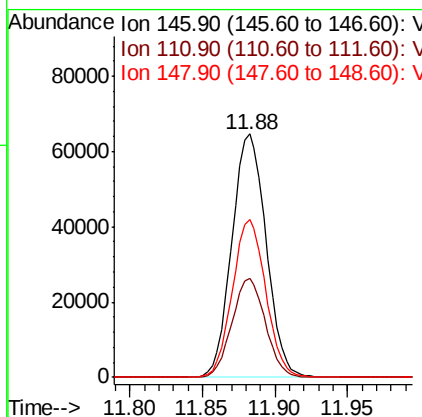
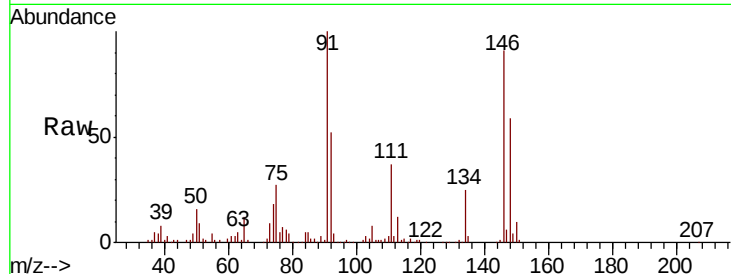




#91
 1,2-Dichlorobenzene
 Concen: 19.94 ug/l
 RT: 11.88 min Scan# 3512
 Delta R.T. 0.00 min
 Lab File: VU025769.D
 Acq: 01 Aug 2018 12:07

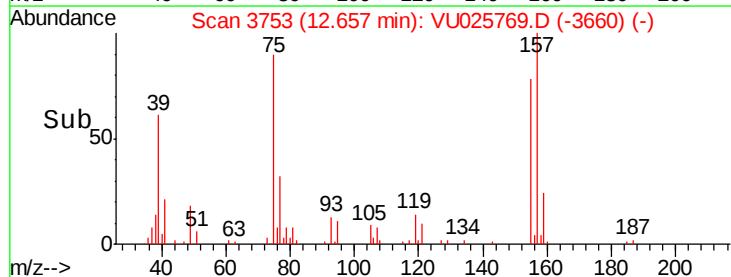
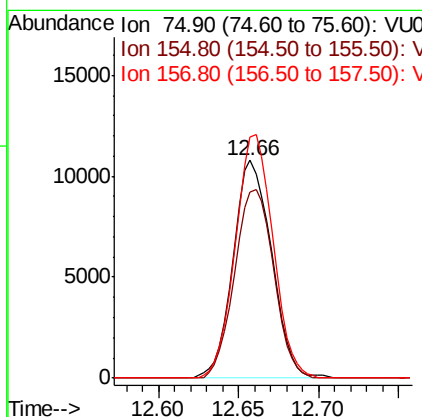
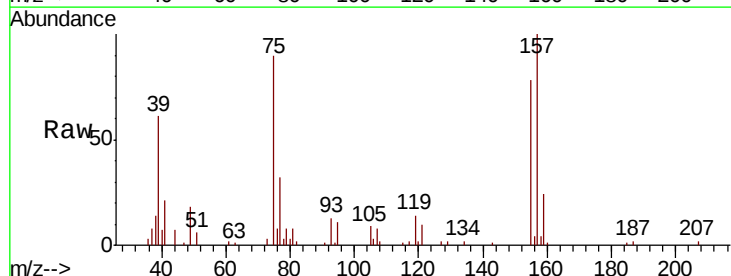
Instrument :
 MSVOA_U
 ClientSampleId :

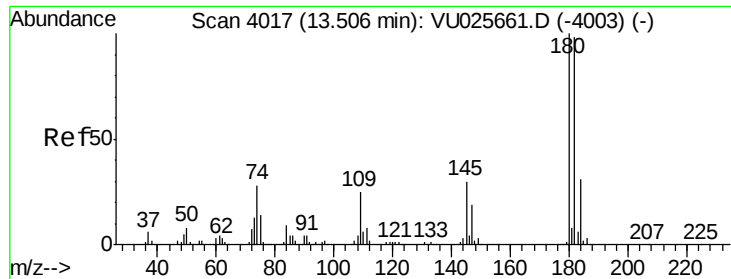
Tot Ion	Ratio	Lower	Upper
146	100		
111	39.6	20.6	61.8
148	63.1	31.5	94.5



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 20.28 ug/l
 RT: 12.66 min Scan# 3753
 Delta R.T. 0.00 min
 Lab File: VU025769.D
 Acq: 01 Aug 2018 12:07

Tgt Ion	Ratio	Lower	Upper
75	100		
155	87.9	44.5	133.3
157	109.6	57.0	170.8

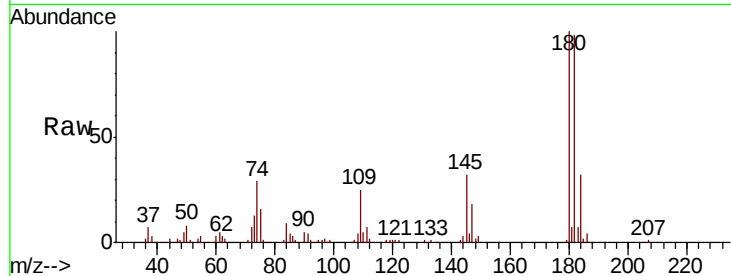




#93
 1,2,4-Trichlorobenzene
 Concen: 19.85 ug/l
 RT: 13.51 min Scan# 4017
 Delta R.T. 0.00 min
 Lab File: VU025769.D
 Acq: 01 Aug 2018 12:07

Instrument :
 MSVOA_U
 ClientSampled :

Tot Ion	Ratio	Lower	Upper
180	100		
182	94.9	47.3	141.9
145	30.6	14.9	44.7

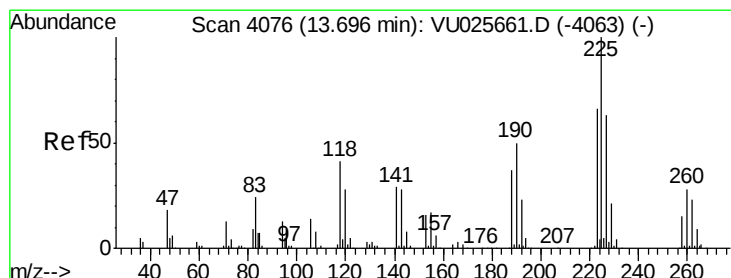
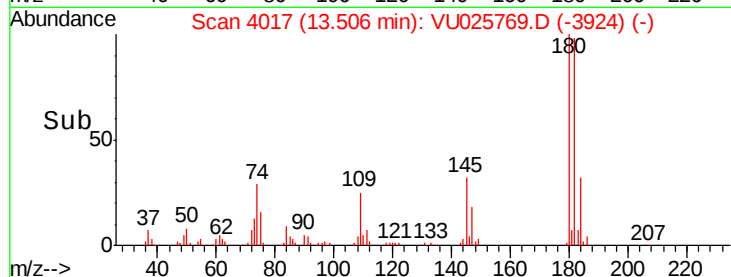
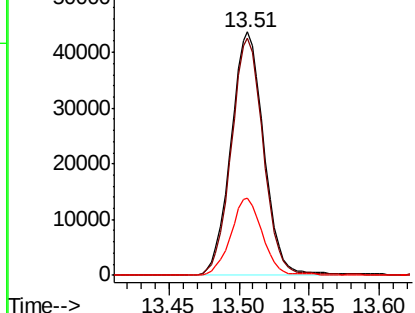


Abundance

Ion 179.80 (179.50 to 180.50): V

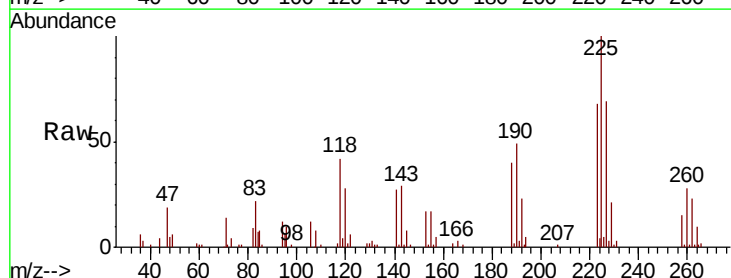
Ion 181.80 (181.50 to 182.50): V

Ion 144.80 (144.50 to 145.50): V



#94
 Hexachlorobutadiene
 Concen: 17.92 ug/l
 RT: 13.70 min Scan# 4076
 Delta R.T. 0.00 min
 Lab File: VU025769.D
 Acq: 01 Aug 2018 12:07

Tgt Ion	Ratio	Lower	Upper
225	100		
223	65.4	31.9	95.7
227	67.3	32.3	96.9

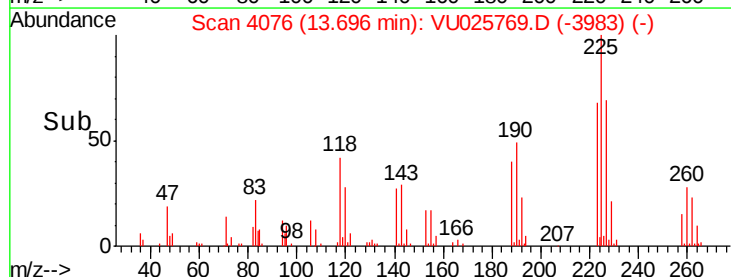
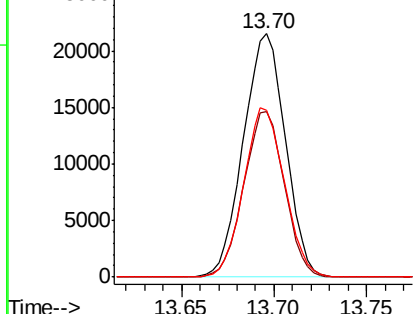


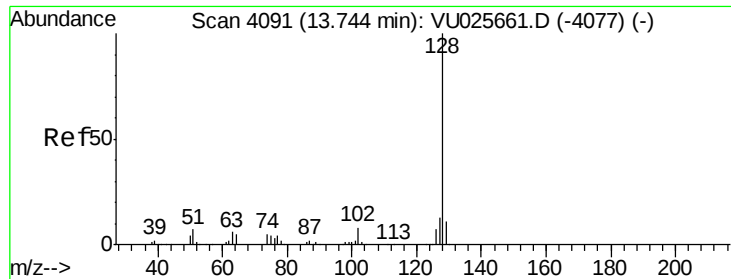
Abundance

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: 19.58 ug/l

RT: 13.74 min Scan# 4091

Delta R.T. 0.00 min

Lab File: VU025769.D

Acq: 01 Aug 2018 12:07

Instrument :

MSVOA_U

ClientSampleId :

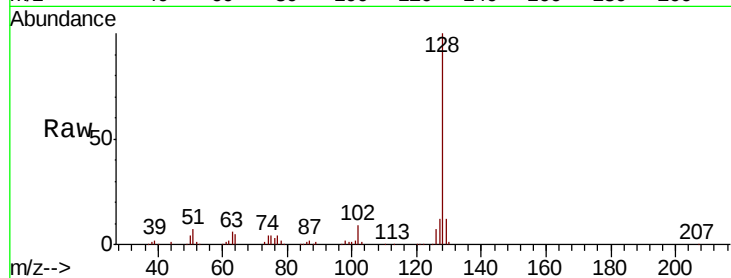
Tot Ion:128 Resp: 216913

Ion Ratio Lower Upper

128 100

127 12.7 10.5 15.7

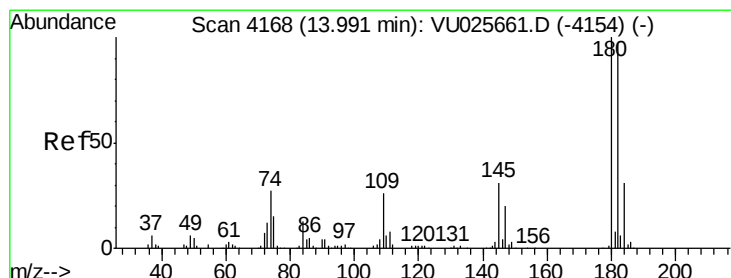
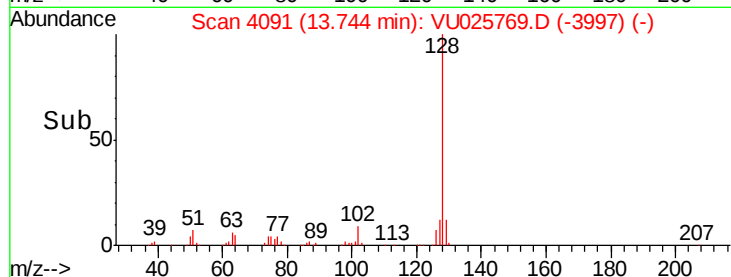
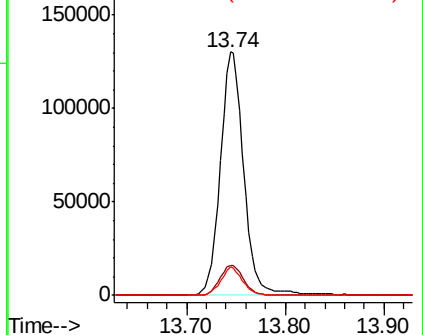
129 10.7 8.3 12.5



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#96

1,2,3-Trichlorobenzene

Concen: 20.28 ug/l

RT: 13.99 min Scan# 4167

Delta R.T. -0.00 min

Lab File: VU025769.D

Acq: 01 Aug 2018 12:07

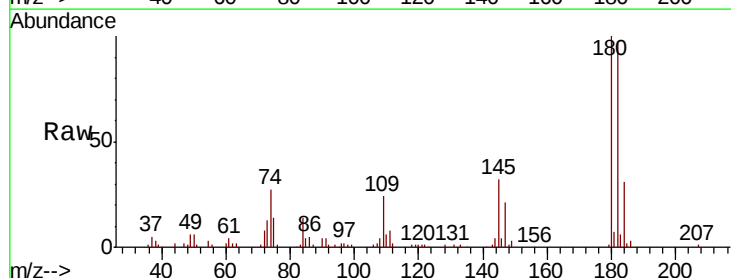
Tgt Ion:180 Resp: 72693

Ion Ratio Lower Upper

180 100

182 96.3 47.8 143.3

145 31.6 15.6 46.8



Abundance Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.90 (144.60 to 145.60): V

