

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU080118\
 Data File : VU025785.D
 Acq On : 01 Aug 2018 18:39
 Operator : MD/SY
 Sample : J4262-04MSD
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 50 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 GW-03MSD

Quant Time: Aug 02 04:48:39 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	186260	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.89	114	279801	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.09	117	267987	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.49	152	170079	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	5.31	65	146956	50.64	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.28%	
35) Dibromofluoromethane	4.89	113	123226	50.64	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.28%	
50) Toluene-d8	7.57	98	434745	51.05	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.10%	
62) 4-Bromofluorobenzene	10.31	95	170411	51.56	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.12%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.20	85	142722	50.70	ug/l	100
3) Chloromethane	1.33	50	113370	42.13	ug/l	99
4) Vinyl Chloride	1.40	62	122662	48.44	ug/l	99
5) Bromomethane	1.62	94	33074	26.74	ug/l	99
6) Chloroethane	1.70	64	74501	50.32	ug/l	97
7) Trichlorofluoromethane	1.89	101	180942	49.42	ug/l	97
8) Diethyl Ether	2.10	74	65176	49.20	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	2.28	101	102830	48.53	ug/l	99
10) Methyl Iodide	2.41	142	56703	32.36	ug/l	99
11) Tert butyl alcohol	2.83	59	181267	285.29	ug/l	100
12) 1,1-Dichloroethene	2.28	96	95908	47.96	ug/l	93
13) Acrolein	2.19	56	24423	104.96	ug/l	99
14) Allyl chloride	2.59	41	168887	46.99	ug/l	97
15) Acrylonitrile	2.94	53	339259	267.43	ug/l	99
16) Acetone	2.32	43	328900	232.45	ug/l	97
17) Carbon Disulfide	2.48	76	317551	49.06	ug/l	100
18) Methyl Acetate	2.62	43	204063	59.92	ug/l	99
19) Methyl tert-butyl Ether	3.00	73	375901	51.87	ug/l	99
20) Methylene Chloride	2.70	84	119670	47.72	ug/l	97
21) trans-1,2-Dichloroethene	2.98	96	111283	48.14	ug/l	98
22) Diisopropyl ether	3.58	45	359024	50.69	ug/l	93
23) Vinyl Acetate	3.53	43	1466847	237.66	ug/l	99
24) 1,1-Dichloroethane	3.45	63	212248	49.92	ug/l	99
25) 2-Butanone	4.27	43	499881	259.53	ug/l	98
26) 2,2-Dichloropropane	4.23	77	178701	46.25	ug/l	100
27) cis-1,2-Dichloroethene	4.23	96	130954	50.24	ug/l	96
28) Bromochloromethane	4.55	49	92769	48.80	ug/l	97
29) Tetrahydrofuran	4.64	42	310034	268.67	ug/l	100
30) Chloroform	4.68	83	221312	49.32	ug/l	99
31) Cyclohexane	5.00	56	180617	48.81	ug/l	98
32) 1,1,1-Trichloroethane	4.92	97	201133	49.78	ug/l	98
36) 1,1-Dichloropropene	5.14	75	163504	50.00	ug/l	97
37) Ethyl Acetate	4.38	43	171870	50.69	ug/l	100
38) Carbon Tetrachloride	5.14	117	183822	49.63	ug/l	99

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

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	6.42	83	177473	47.37	ug/l	97
40) Benzene	5.39	78	501312	52.45	ug/l	97
41) Methacrylonitrile	4.54	41	99527	52.85	ug/l	98
42) 1,2-Dichloroethane	5.41	62	179217	48.69	ug/l	98
43) Isopropyl Acetate	5.55	43	283336	50.57	ug/l	99
44) Trichloroethene	6.19	130	133030	49.98	ug/l	98
45) 1,2-Dichloropropane	6.44	63	123892	49.70	ug/l	100
46) Dibromomethane	6.56	93	89000	49.27	ug/l	97
47) Bromodichloromethane	6.76	83	172492	50.06	ug/l	97
48) Methyl methacrylate	6.63	41	147202	53.60	ug/l	96
49) 1,4-Dioxane	6.62	88	75939	1136.40	ug/l	96
51) 4-Methyl-2-Pentanone	7.46	43	936259	266.91	ug/l	99
52) Toluene	7.64	92	305185	51.39	ug/l	98
53) t-1,3-Dichloropropene	7.88	75	198180	51.23	ug/l	97
54) cis-1,3-Dichloropropene	7.27	75	203044	51.09	ug/l	97
55) 1,1,2-Trichloroethane	8.07	97	125253	50.76	ug/l	97
56) Ethyl methacrylate	8.02	69	191234	54.24	ug/l	95
57) 1,3-Dichloropropane	8.25	76	210165	50.64	ug/l	98
58) 2-Chloroethyl Vinyl ether	7.10	63	82	7.13	ug/l #	47
59) 2-Hexanone	8.36	43	744909	270.91	ug/l	98
60) Dibromochloromethane	8.48	129	150693	51.78	ug/l	98
61) 1,2-Dibromoethane	8.59	107	137384	50.06	ug/l	98
64) Tetrachloroethene	8.23	164	113325	48.04	ug/l	99
65) Chlorobenzene	9.12	112	350360	50.71	ug/l	98
66) 1,1,1,2-Tetrachloroethane	9.21	131	130869	52.36	ug/l	99
67) Ethyl Benzene	9.25	91	595262	52.01	ug/l	100
68) m/p-Xylenes	9.38	106	462445	105.25	ug/l	99
69) o-Xylene	9.78	106	227782	53.04	ug/l	100
70) Styrene	9.80	104	366979	52.91	ug/l	98
71) Bromoform	9.96	173	119063	54.94	ug/l #	100
73) Isopropylbenzene	10.17	105	602886	51.94	ug/l	100
74) N-amyl acetate	10.01	43	249919	52.74	ug/l	99
75) 1,1,2,2-Tetrachloroethane	10.46	83	206674	51.48	ug/l	98
76) 1,2,3-Trichloropropane	10.50	75	229310	61.19	ug/l	85
77) Bromobenzene	10.45	156	163778	51.15	ug/l	97
78) n-propylbenzene	10.59	91	698606	51.56	ug/l	99
79) 2-Chlorotoluene	10.66	91	411415	51.84	ug/l	99
80) 1,3,5-Trimethylbenzene	10.78	105	508307	51.56	ug/l	99
81) trans-1,4-Dichloro-2-buten	10.50	75	229310	153.44	ug/l #	100
82) 4-Chlorotoluene	10.78	91	486080	51.96	ug/l	99
83) tert-Butylbenzene	11.10	119	500752	51.12	ug/l	97
84) 1,2,4-Trimethylbenzene	11.15	105	531625	53.21	ug/l	99
85) sec-Butylbenzene	11.33	105	591695	49.48	ug/l	99
86) p-Isopropyltoluene	11.48	119	538190	50.26	ug/l	99
87) 1,3-Dichlorobenzene	11.42	146	303650	51.09	ug/l	99
88) 1,4-Dichlorobenzene	11.51	146	306484	49.47	ug/l	99
89) n-Butylbenzene	11.89	91	473303	47.90	ug/l	100
90) Hexachloroethane	12.15	117	89157	46.83	ug/l	99
91) 1,2-Dichlorobenzene	11.88	146	297126	51.00	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	12.66	75	53319	56.03	ug/l	98

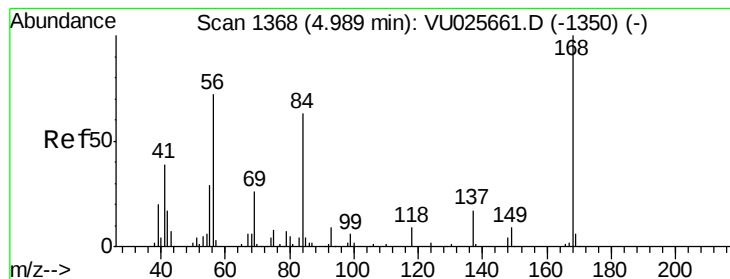
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Quant Title : SW846 8260
QLast Update : Tue Jul 31 16:07:47 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.51	180	212499	54.05	ug/l	100
94) Hexachlorobutadiene	13.70	225	83229	40.16	ug/l	100
95) Naphthalene	13.74	128	1207149	94.44	ug/l	99
96) 1,2,3-Trichlorobenzene	13.99	180	214268	54.63	ug/l	100

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



#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 4.99 min Scan# 1368

Delta R.T. 0.00 min

Lab File: VU025785.D

Acq: 01 Aug 2018 18:39

Instrument :

MSVOA_U

ClientSampleId :

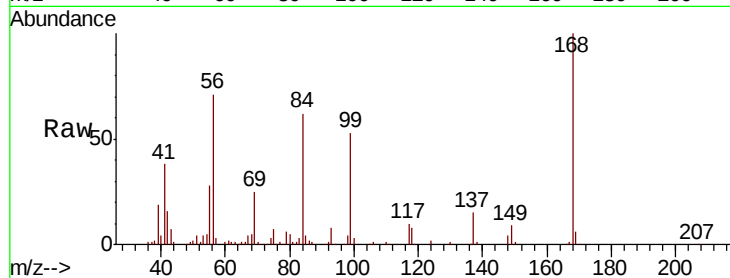
GW-03MSD

Tot Ion:168 Resp: 186260

Ion Ratio Lower Upper

168 100

99 53.1 42.8 64.2



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

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

4.99

80000

60000

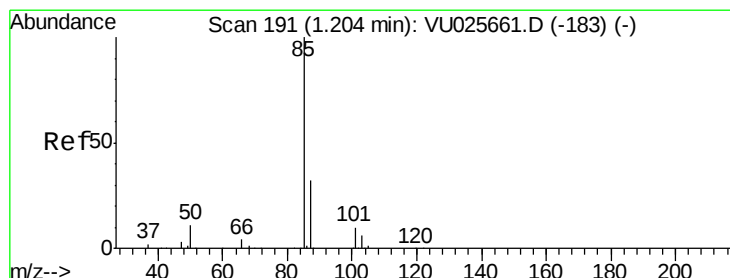
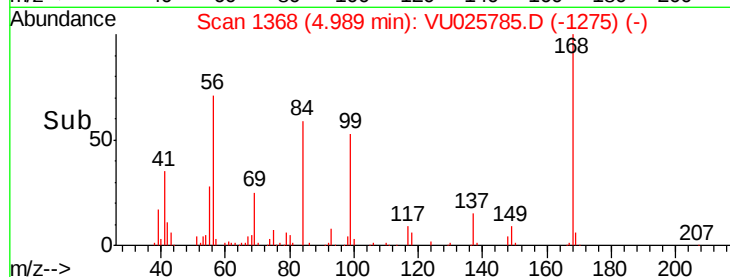
40000

20000

0

4.90 5.00 5.10

Time-->



#2

Dichlorodifluoromethane

Concen: 50.70 ug/l

RT: 1.20 min Scan# 191

Delta R.T. 0.00 min

Lab File: VU025785.D

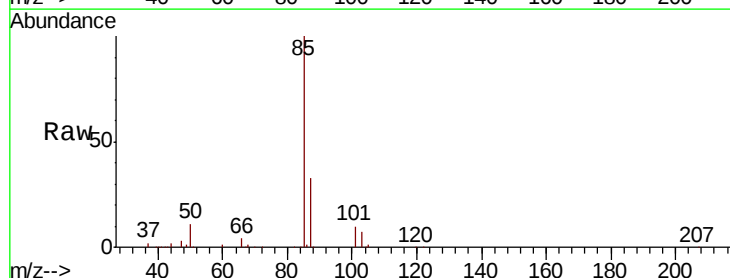
Acq: 01 Aug 2018 18:39

Tgt Ion: 85 Resp: 142722

Ion Ratio Lower Upper

85 100

87 33.0 16.5 49.5



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

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

1.20

150000

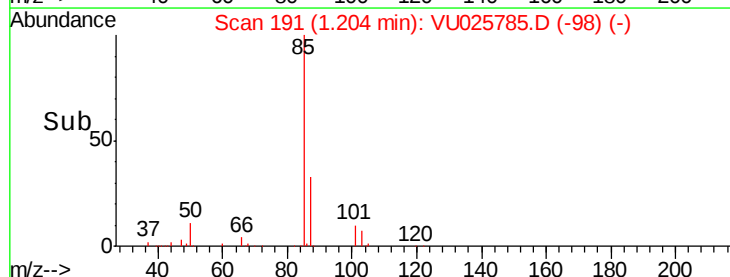
100000

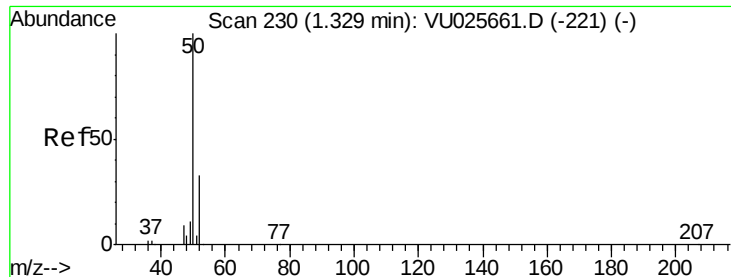
50000

0

1.15 1.20 1.25 1.30

Time-->





#3

Chloromethane

Concen: 42.13 ug/l

RT: 1.33 min Scan# 231

Delta R.T. 0.00 min

Lab File: VU025785.D

Acq: 01 Aug 2018 18:39

Instrument :

MSVOA_U

ClientSampleId :

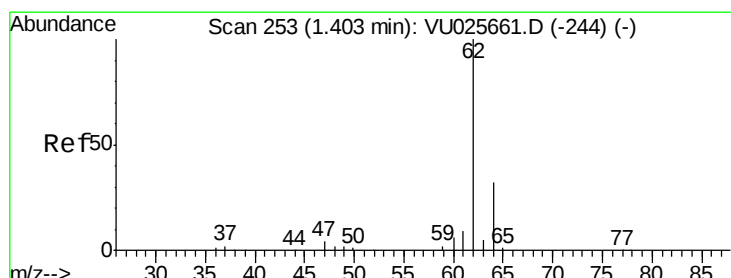
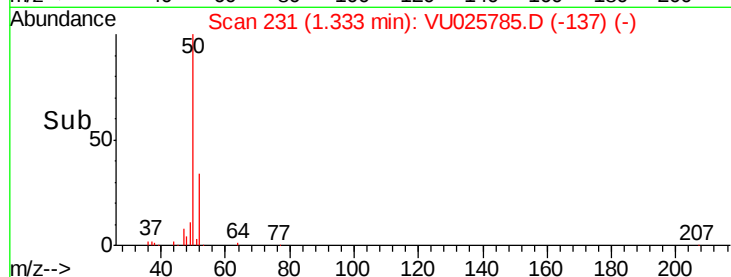
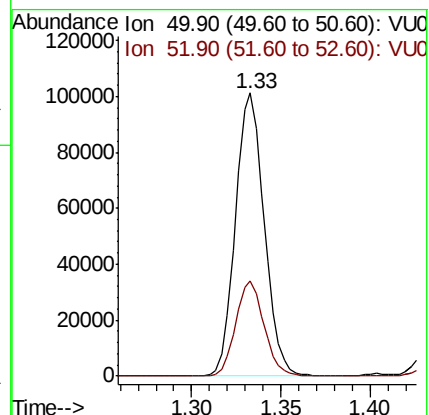
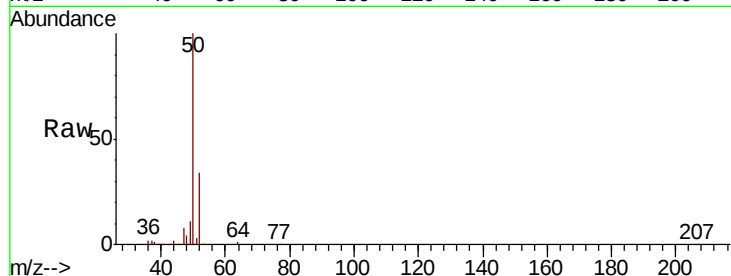
GW-03MSD

Tot Ion: 50 Resp: 113370

Ion Ratio Lower Upper

50 100

52 33.5 26.5 39.7



#4

Vinyl Chloride

Concen: 48.44 ug/l

RT: 1.40 min Scan# 253

Delta R.T. 0.00 min

Lab File: VU025785.D

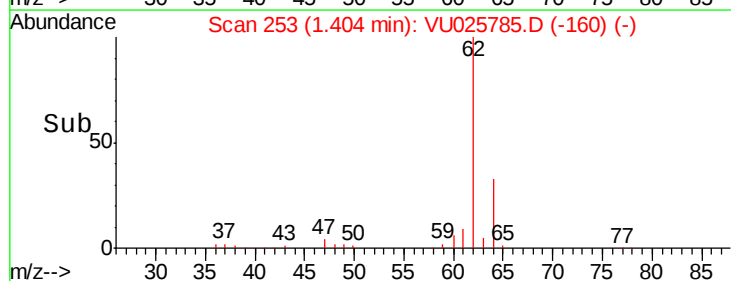
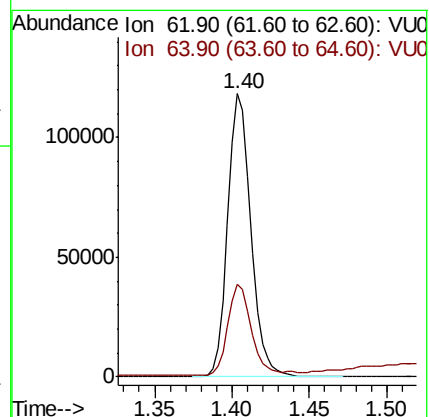
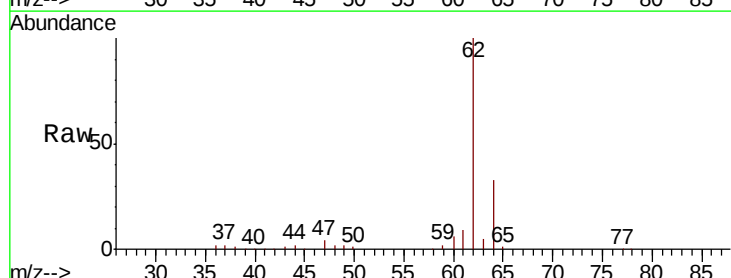
Acq: 01 Aug 2018 18:39

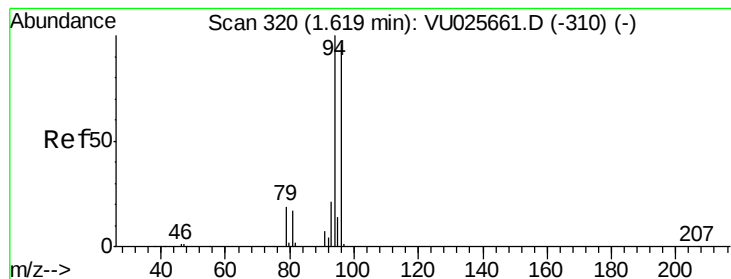
Tgt Ion: 62 Resp: 122662

Ion Ratio Lower Upper

62 100

64 32.0 25.4 38.0





#5

Bromomethane

Concen: 26.74 ug/l

RT: 1.62 min Scan# 320

Delta R.T. 0.00 min

Lab File: VU025785.D

Acq: 01 Aug 2018 18:39

Instrument :

MSVOA_U

ClientSampleId :

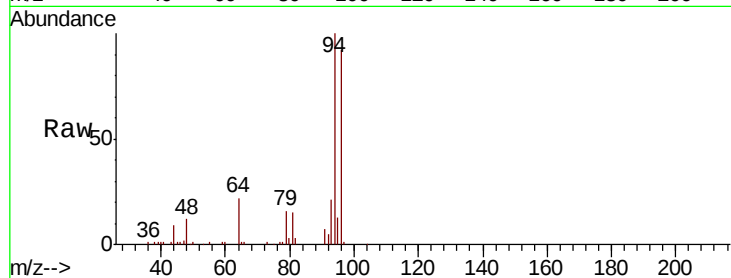
GW-03MSD

Tot Ion: 94 Resp: 33074

Ion Ratio Lower Upper

94 100

96 92.3 75.0 112.4

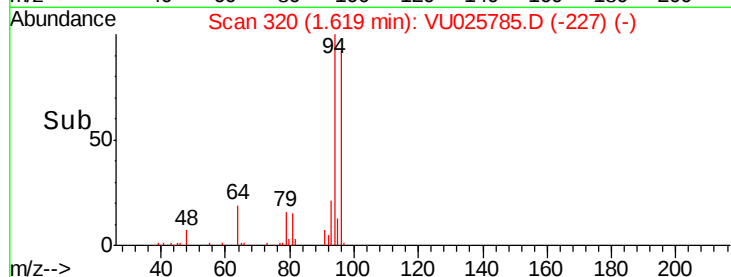


Abundance Ion 93.90 (93.60 to 94.60): VU025661.D (-310) (-)

Ion 95.90 (95.60 to 96.60): VU025661.D (-310) (-)

1.62

Time-->

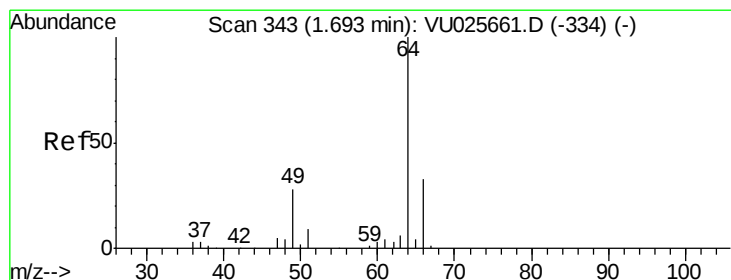


Abundance Ion 93.90 (93.60 to 94.60): VU025785.D (-227) (-)

Ion 95.90 (95.60 to 96.60): VU025785.D (-227) (-)

1.62

Time-->



#6

Chloroethane

Concen: 50.32 ug/l

RT: 1.70 min Scan# 344

Delta R.T. 0.00 min

Lab File: VU025785.D

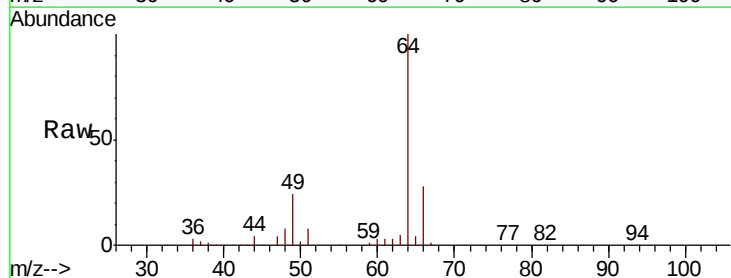
Acq: 01 Aug 2018 18:39

Tgt Ion: 64 Resp: 74501

Ion Ratio Lower Upper

64 100

66 29.7 25.0 37.4

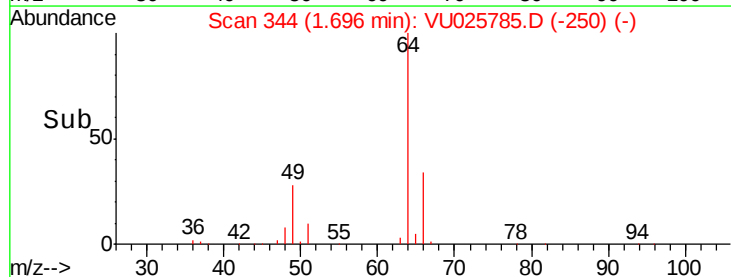


Abundance Ion 63.90 (63.60 to 64.60): VU025661.D (-334) (-)

Ion 65.90 (65.60 to 66.60): VU025661.D (-334) (-)

1.70

Time-->

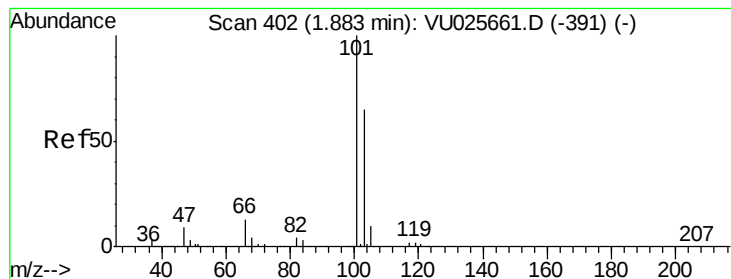


Abundance Ion 63.90 (63.60 to 64.60): VU025785.D (-250) (-)

Ion 65.90 (65.60 to 66.60): VU025785.D (-250) (-)

1.70

Time-->



#7

Trichlorofluoromethane

Concen: 49.42 ug/l

RT: 1.89 min Scan# 403

Delta R.T. 0.00 min

Lab File: VU025785.D

Acq: 01 Aug 2018 18:39

Instrument :

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ClientSampleId :

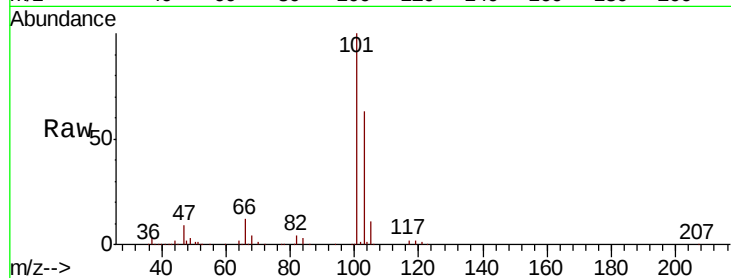
GW-03MSD

Tot Ion:101 Resp: 180942

Ion Ratio Lower Upper

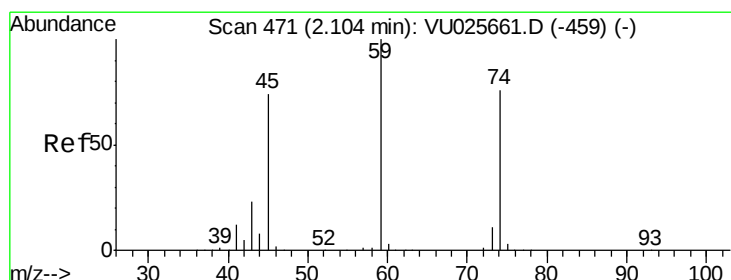
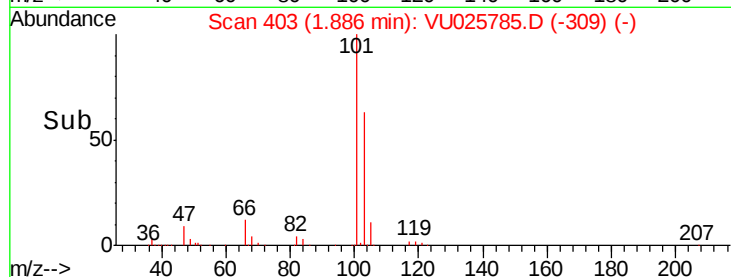
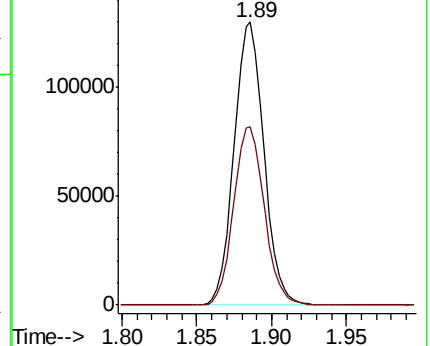
101 100

103 63.1 52.2 78.2



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 102.80 (102.50 to 103.50): V



#8

Diethyl Ether

Concen: 49.20 ug/l

RT: 2.10 min Scan# 471

Delta R.T. 0.00 min

Lab File: VU025785.D

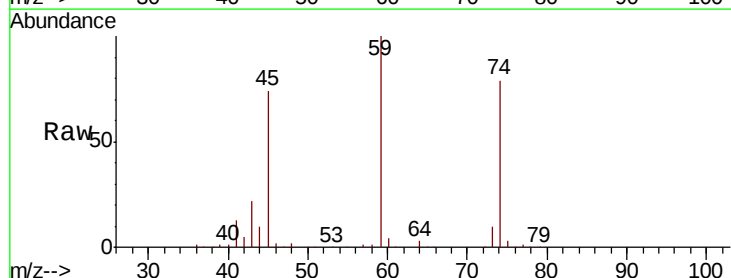
Acq: 01 Aug 2018 18:39

Tgt Ion: 74 Resp: 65176

Ion Ratio Lower Upper

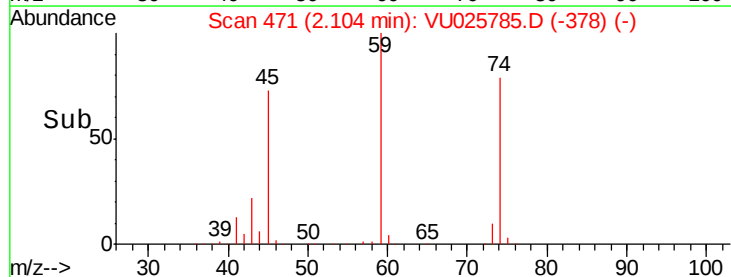
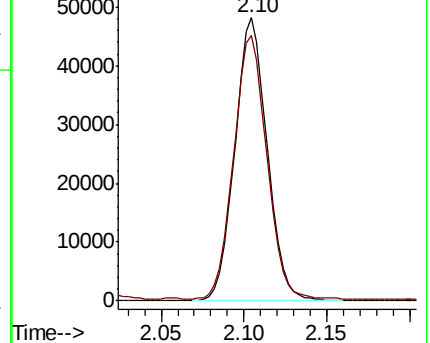
74 100

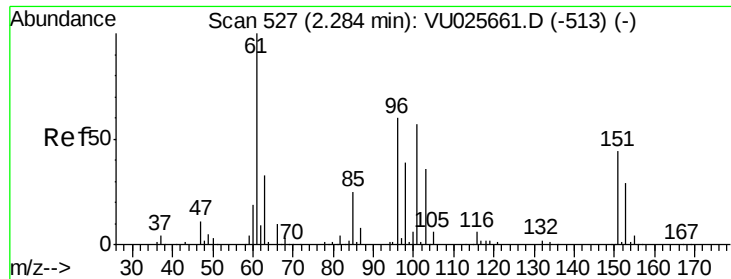
45 95.7 48.3 144.9



Abundance Ion 74.00 (73.70 to 74.70): VU0

Ion 45.00 (44.70 to 45.70): VU0





#9

1,1,2-Trichlorotrifluoroethane

Concen: 48.53 ug/l

RT: 2.28 min Scan# 527

Delta R.T. 0.00 min

Lab File: VU025785.D

Acq: 01 Aug 2018 18:39

Instrument :

MSVOA_U

ClientSampleId :

GW-03MSD

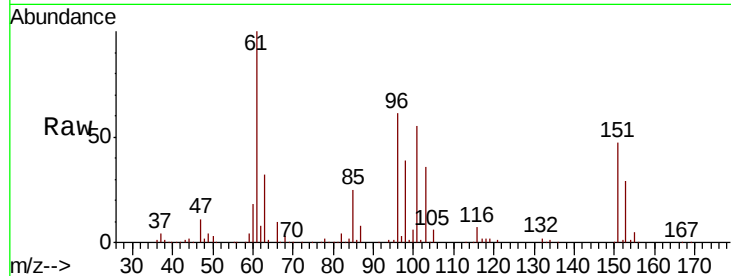
Tot Ion:101 Resp: 102830

Ion Ratio Lower Upper

101 100

85 43.9 36.0 54.0

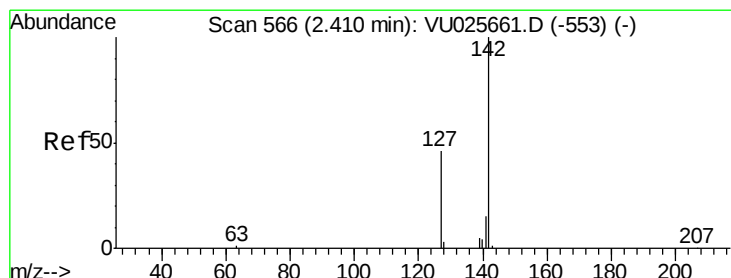
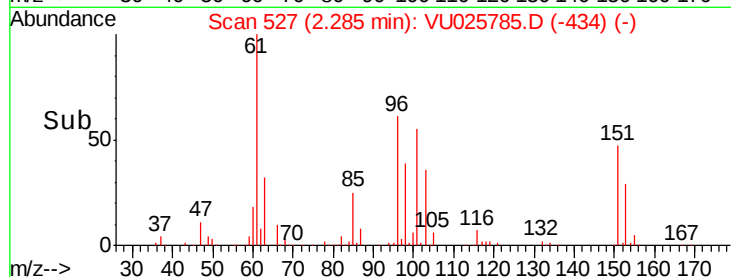
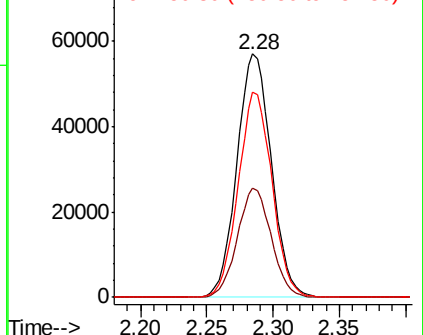
151 82.7 65.6 98.4



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: 32.36 ug/l

RT: 2.41 min Scan# 566

Delta R.T. 0.00 min

Lab File: VU025785.D

Acq: 01 Aug 2018 18:39

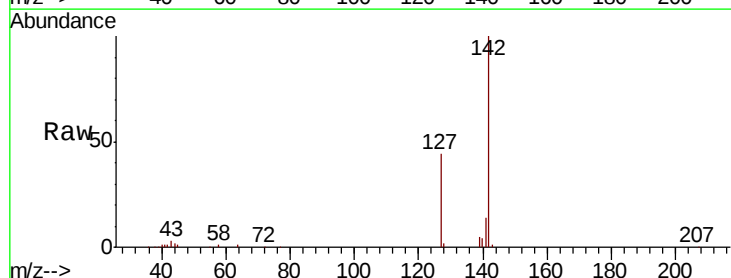
Tgt Ion:142 Resp: 56703

Ion Ratio Lower Upper

142 100

127 44.4 36.5 54.7

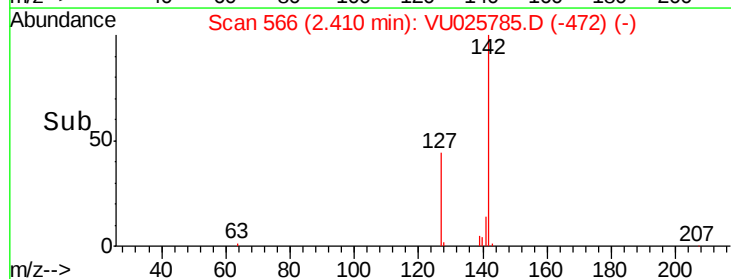
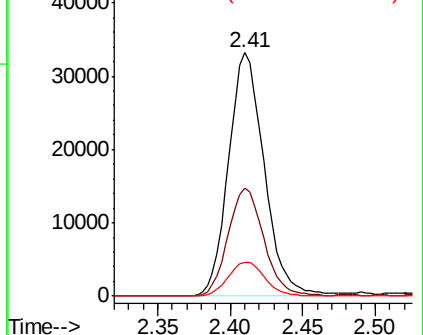
141 14.3 11.4 17.2

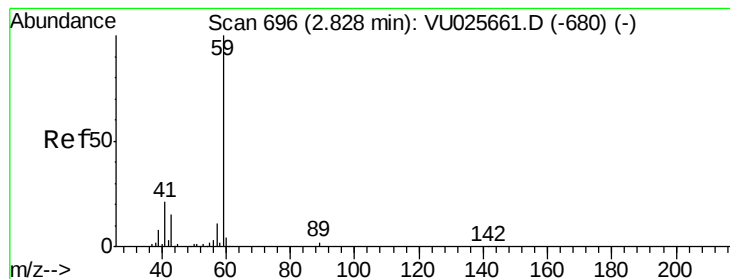


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



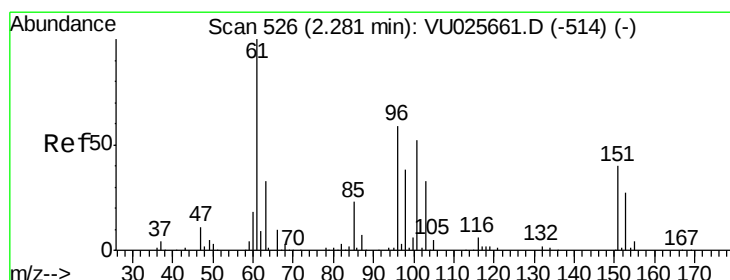
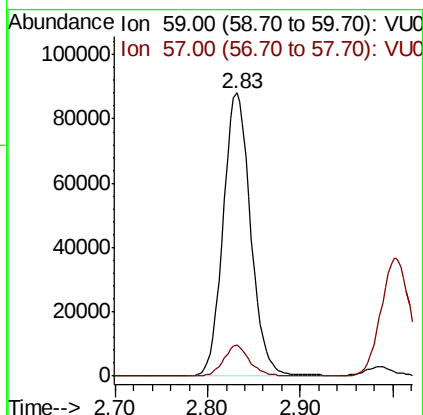
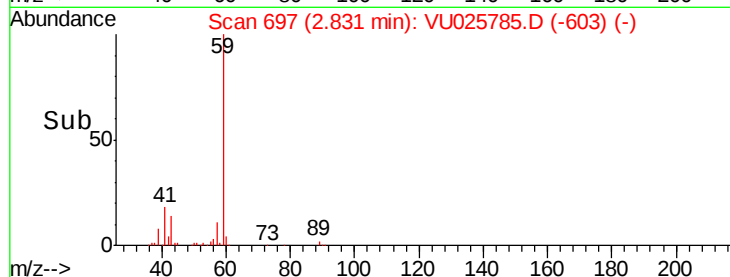
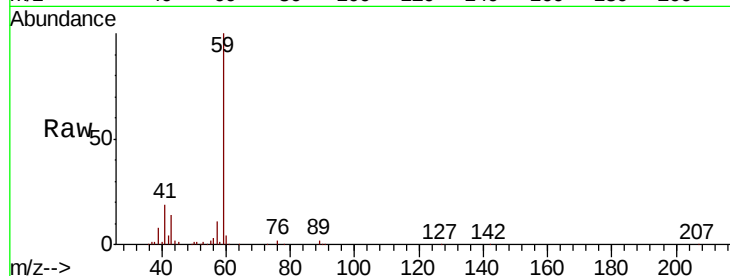


#11

Tert butyl alcohol
 Concen: 285.29 ug/l
 RT: 2.83 min Scan# 697
 Delta R.T. 0.00 min
 Lab File: VU025785.D
 Acq: 01 Aug 2018 18:39

Instrument :
 MSVOA_U
 ClientSampleId :
 GW-03MSD

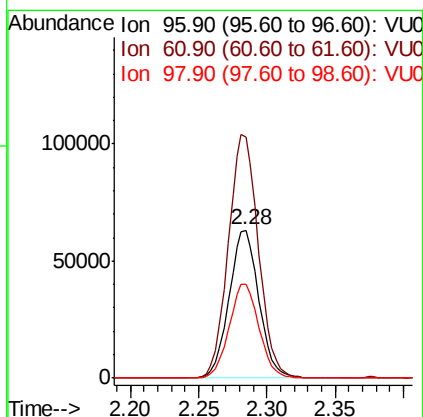
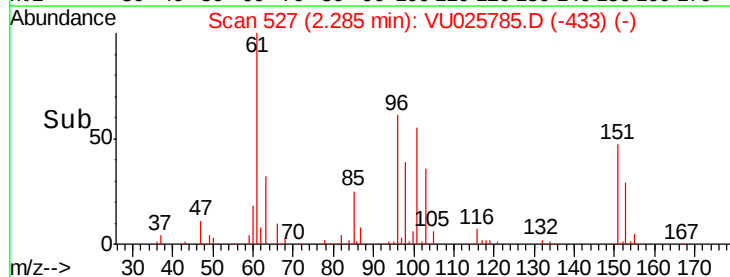
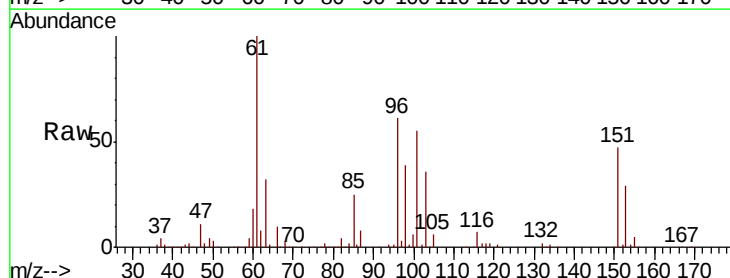
Tot Ion: 59 Resp: 181267
 Ion Ratio Lower Upper
 59 100
 57 10.2 8.2 12.2

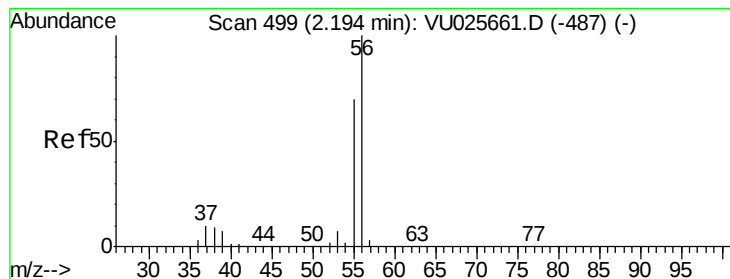


#12

1,1-Dichloroethene
 Concen: 47.96 ug/l
 RT: 2.28 min Scan# 527
 Delta R.T. 0.00 min
 Lab File: VU025785.D
 Acq: 01 Aug 2018 18:39

Tgt Ion: 96 Resp: 95908
 Ion Ratio Lower Upper
 96 100
 61 163.4 140.2 210.4
 98 63.9 49.3 73.9





#13

Acrolein

Concen: 104.96 ug/l

RT: 2.19 min Scan# 499

Delta R.T. 0.00 min

Lab File: VU025785.D

Acq: 01 Aug 2018 18:39

Instrument :

MSVOA_U

ClientSampleId :

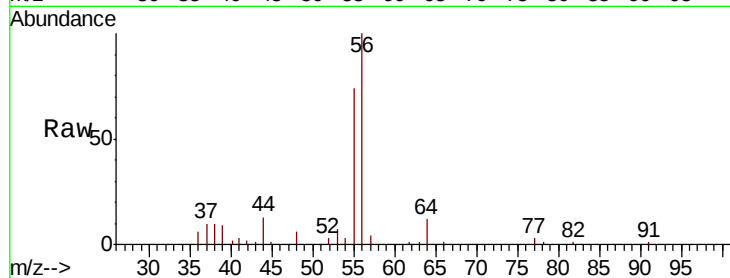
GW-03MSD

Tot Ion: 56 Resp: 24423

Ion Ratio Lower Upper

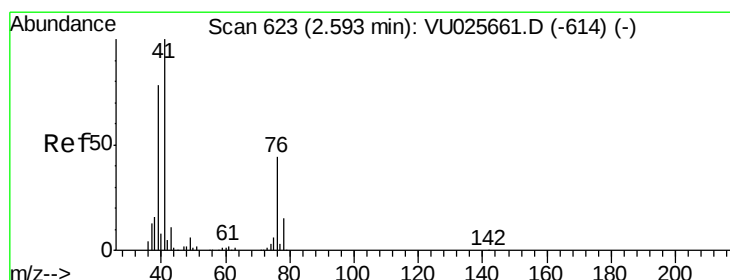
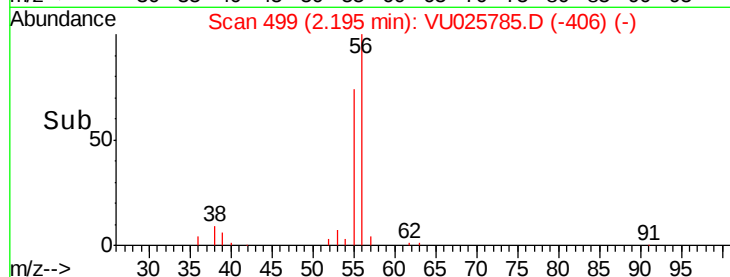
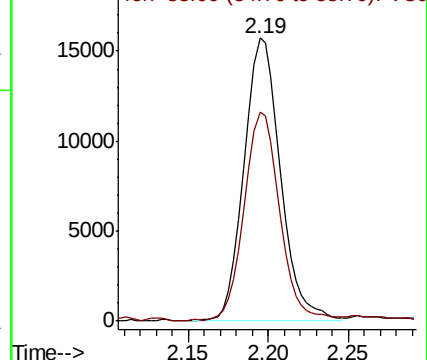
56 100

55 72.5 57.2 85.8



Abundance Ion 56.00 (55.70 to 56.70): VU0

Ion 55.00 (54.70 to 55.70): VU0



#14

Allyl chloride

Concen: 46.99 ug/l

RT: 2.59 min Scan# 623

Delta R.T. 0.00 min

Lab File: VU025785.D

Acq: 01 Aug 2018 18:39

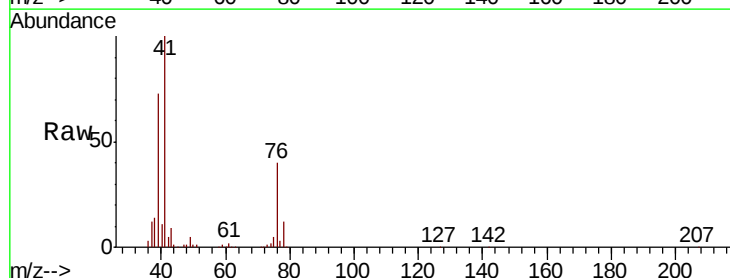
Tgt Ion: 41 Resp: 168887

Ion Ratio Lower Upper

41 100

39 72.7 60.6 91.0

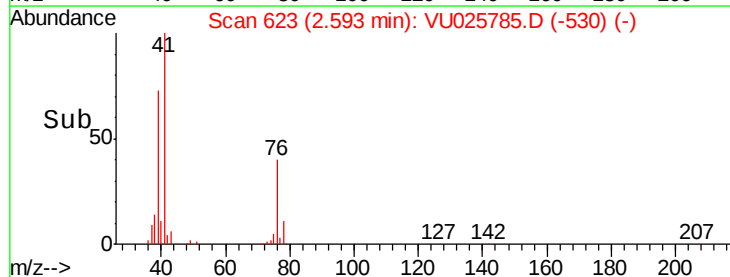
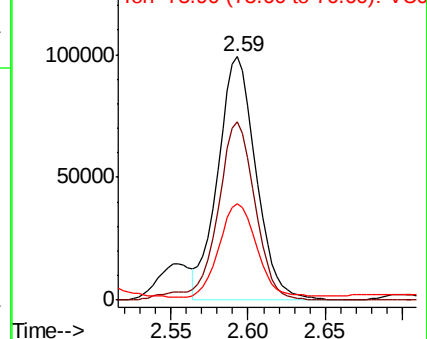
76 38.5 30.5 45.7

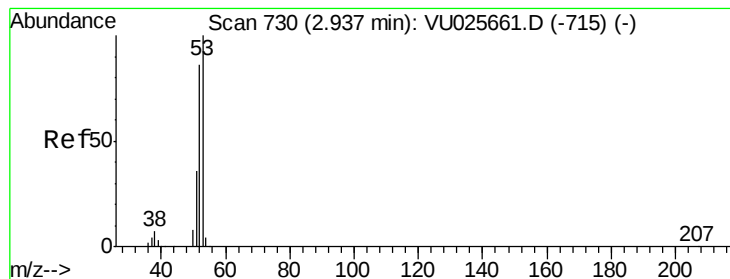


Abundance Ion 41.00 (40.70 to 41.70): VU0

Ion 39.00 (38.70 to 39.70): VU0

Ion 75.90 (75.60 to 76.60): VU0





#15

Acrylonitrile

Concen: 267.43 ug/l

RT: 2.94 min Scan# 730

Delta R.T. 0.00 min

Lab File: VU025785.D

Acq: 01 Aug 2018 18:39

Instrument :

MSVOA_U

ClientSampleId :

GW-03MSD

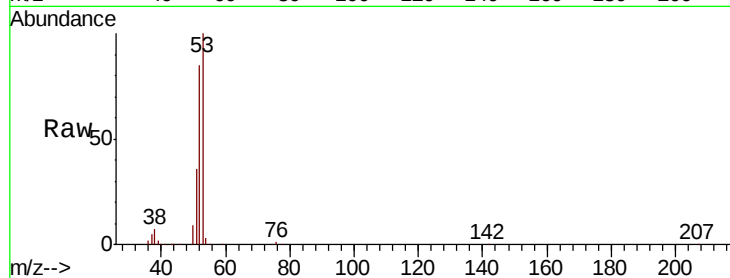
Tot Ion: 53 Resp: 339259

Ion Ratio Lower Upper

53 100

52 82.5 66.6 99.8

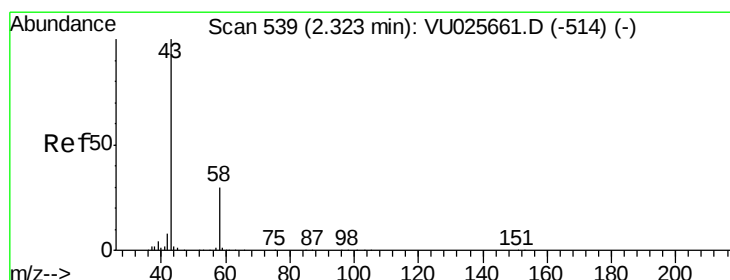
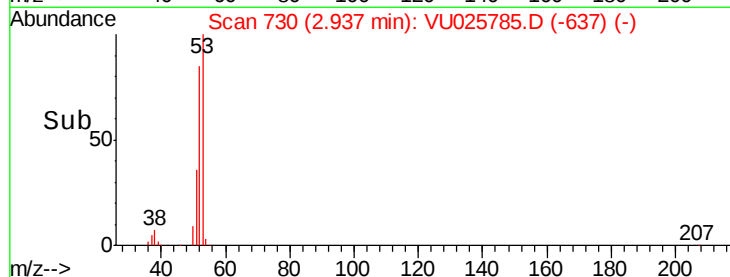
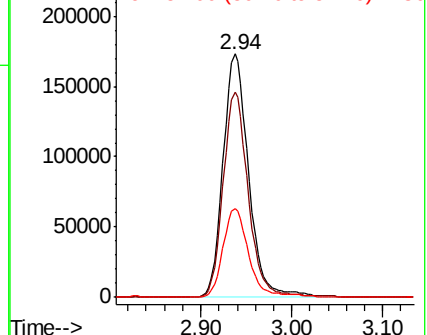
51 36.9 29.4 44.2



Abundance Ion 53.00 (52.70 to 53.70): VU0

Ion 52.00 (51.70 to 52.70): VU0

Ion 51.00 (50.70 to 51.70): VU0



#16

Acetone

Concen: 232.45 ug/l

RT: 2.32 min Scan# 539

Delta R.T. 0.00 min

Lab File: VU025785.D

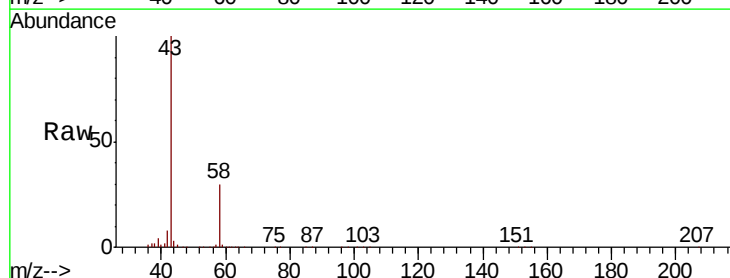
Acq: 01 Aug 2018 18:39

Tgt Ion: 43 Resp: 328900

Ion Ratio Lower Upper

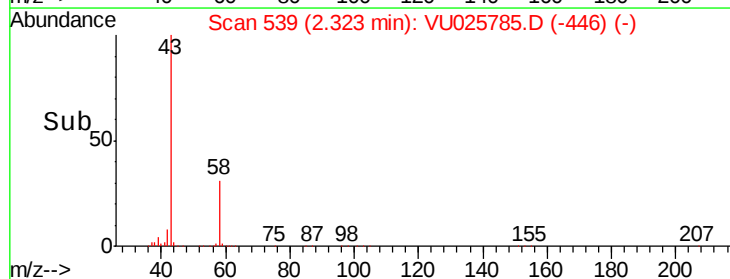
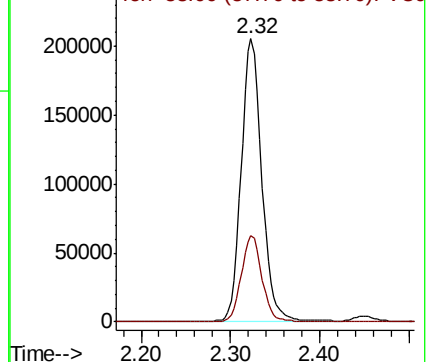
43 100

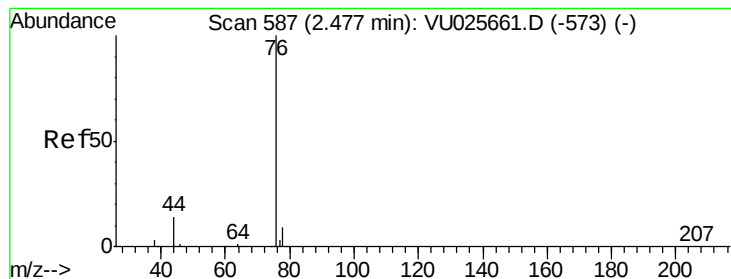
58 30.4 23.1 34.7



Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 58.00 (57.70 to 58.70): VU0





#17

Carbon Disulfide

Concen: 49.06 ug/l

RT: 2.48 min Scan# 587

Delta R.T. 0.00 min

Lab File: VU025785.D

Acq: 01 Aug 2018 18:39

Instrument :

MSVOA_U

ClientSampleId :

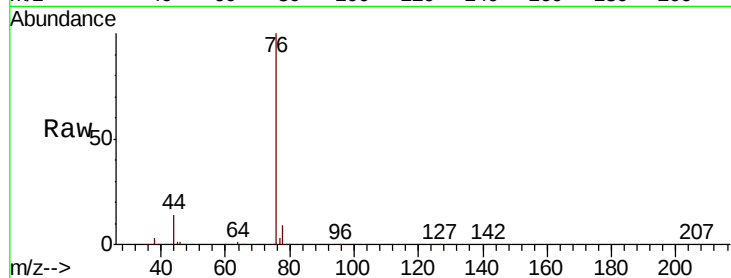
GW-03MSD

Tot Ion: 76 Resp: 317551

Ion Ratio Lower Upper

76 100

78 9.1 7.4 11.2



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

Ion 77.90 (77.60 to 78.60): VU025785.D (-494) (-)

2.48

200000

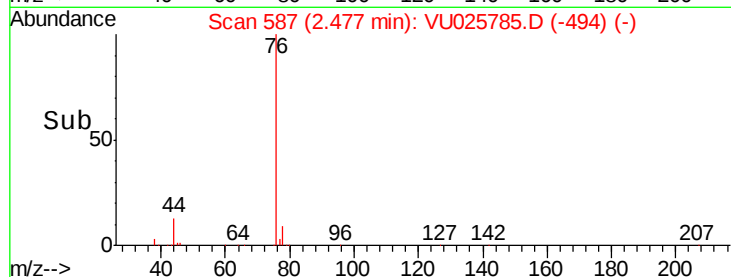
150000

100000

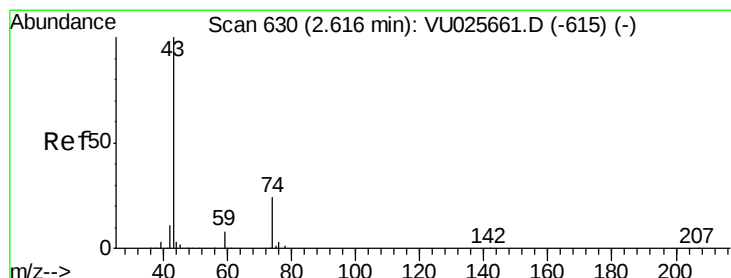
50000

0

Time-->



Time-->



#18

Methyl Acetate

Concen: 59.92 ug/l

RT: 2.62 min Scan# 631

Delta R.T. 0.00 min

Lab File: VU025785.D

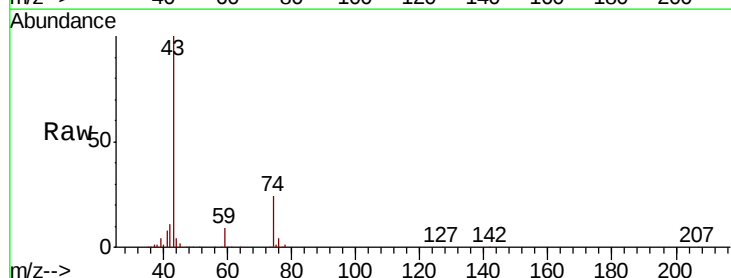
Acq: 01 Aug 2018 18:39

Tgt Ion: 43 Resp: 204063

Ion Ratio Lower Upper

43 100

74 23.6 18.5 27.7



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

Ion 74.00 (73.70 to 74.70): VU025785.D (-537) (-)

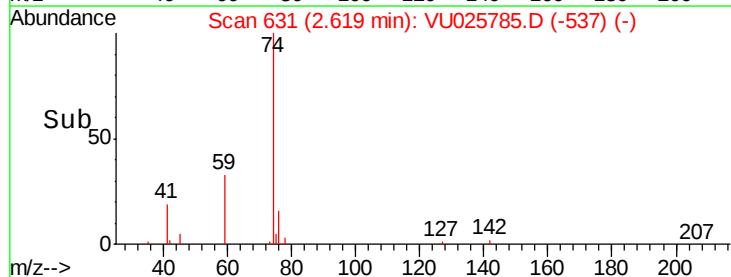
2.62

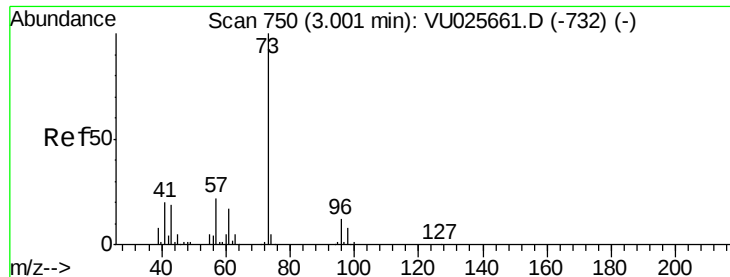
100000

50000

0

Time-->

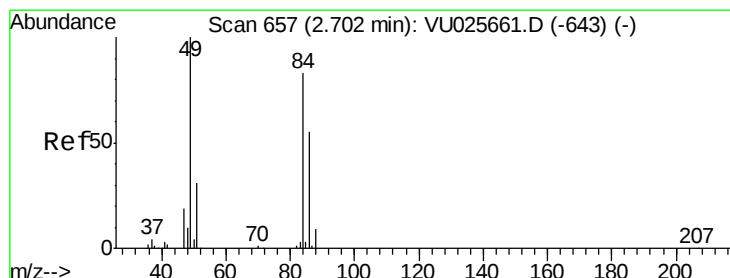
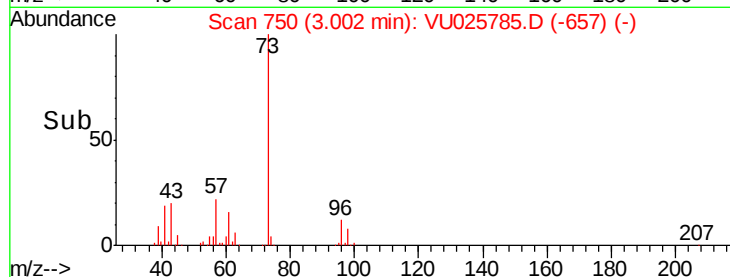
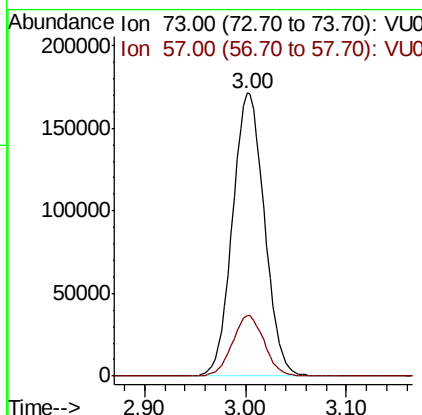
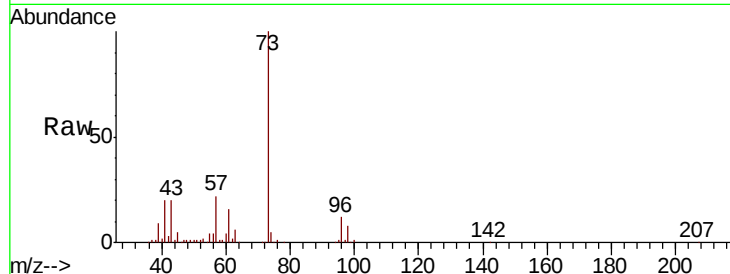




#19
Methyl tert-butyl Ether
Concen: 51.87 ug/l
RT: 3.00 min Scan# 750
Delta R.T. 0.00 min
Lab File: VU025785.D
Acq: 01 Aug 2018 18:39

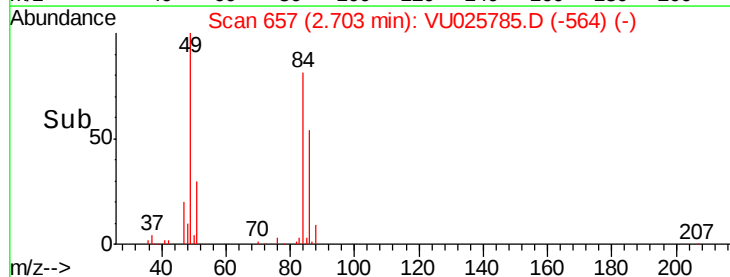
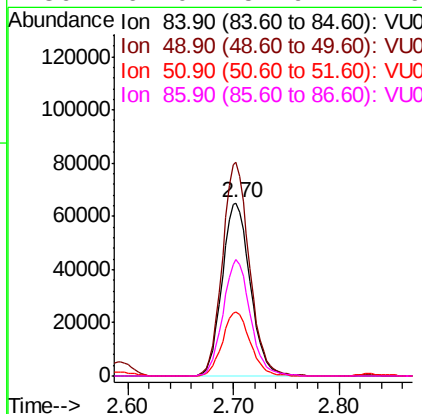
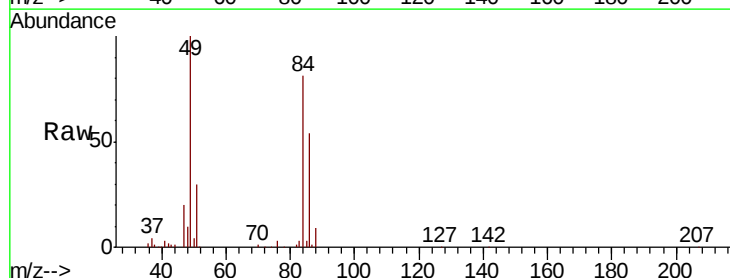
Instrument :
MSVOA_U
ClientSampleId :
GW-03MSD

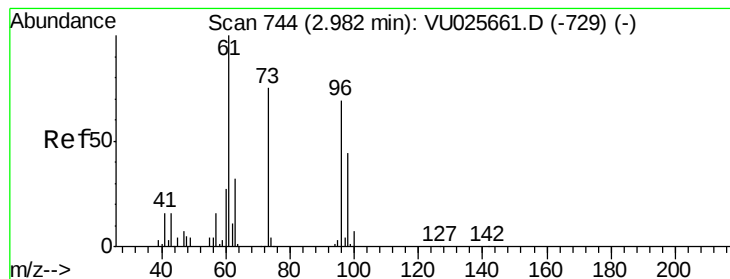
Tot Ion: 73 Resp: 375901
Ion Ratio Lower Upper
73 100
57 21.5 17.4 26.2



#20
Methylene Chloride
Concen: 47.72 ug/l
RT: 2.70 min Scan# 657
Delta R.T. 0.00 min
Lab File: VU025785.D
Acq: 01 Aug 2018 18:39

Tgt Ion: 84 Resp: 119670
Ion Ratio Lower Upper
84 100
49 123.3 101.8 152.6
51 37.2 30.8 46.2
86 67.0 51.9 77.9





#21

trans-1,2-Dichloroethene

Concen: 48.14 ug/l

RT: 2.98 min Scan# 744

Delta R.T. 0.00 min

Lab File: VU025785.D

Acq: 01 Aug 2018 18:39

Instrument :

MSVOA_U

ClientSampleId :

GW-03MSD

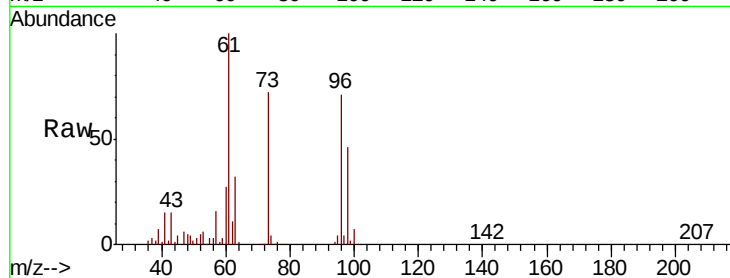
Tot Ion: 96 Resp: 111283

Ion Ratio Lower Upper

96 100

61 140.4 114.5 171.7

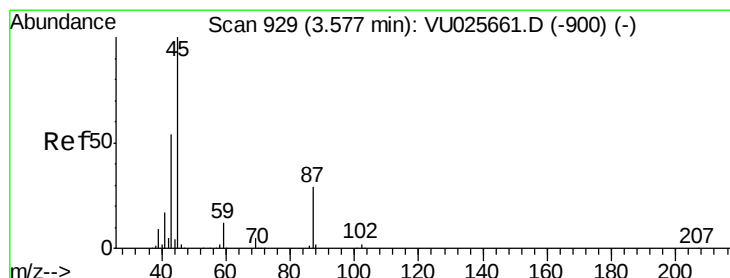
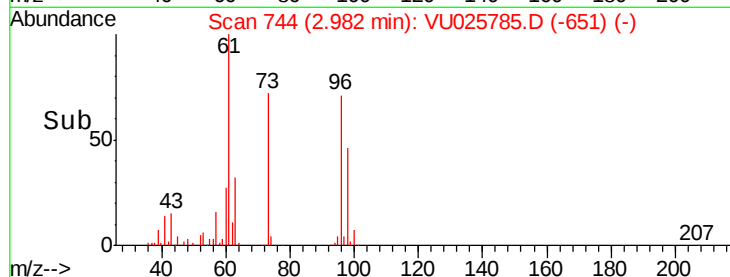
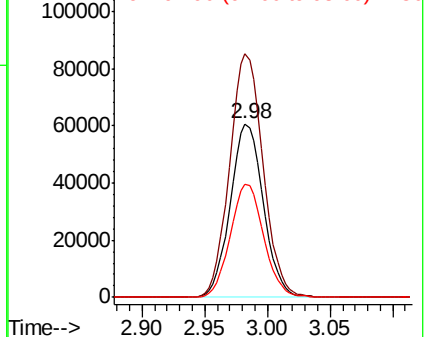
98 65.1 50.5 75.7



Abundance Ion 95.90 (95.60 to 96.60): VU025785.D (-651) (-)

Ion 60.90 (60.60 to 61.60): VU025785.D (-651) (-)

Ion 97.90 (97.60 to 98.60): VU025785.D (-651) (-)



#22

Diisopropyl ether

Concen: 50.69 ug/l

RT: 3.58 min Scan# 929

Delta R.T. 0.00 min

Lab File: VU025785.D

Acq: 01 Aug 2018 18:39

Tgt Ion: 45 Resp: 359024

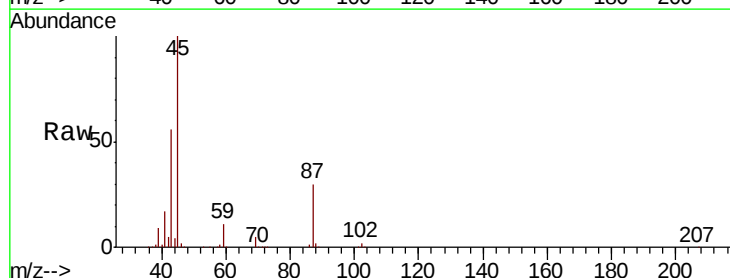
Ion Ratio Lower Upper

45 100

43 55.1 50.9 76.3

87 30.1 23.8 35.8

59 11.4 9.0 13.4

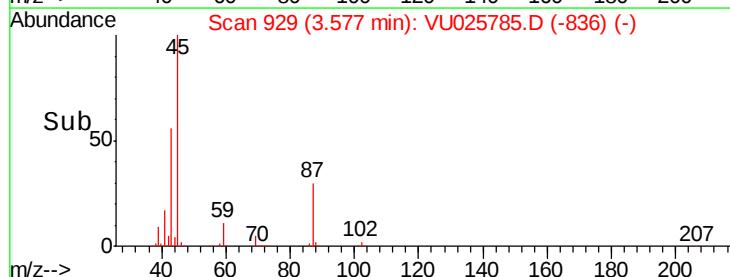
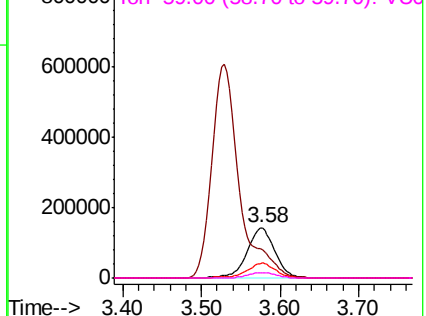


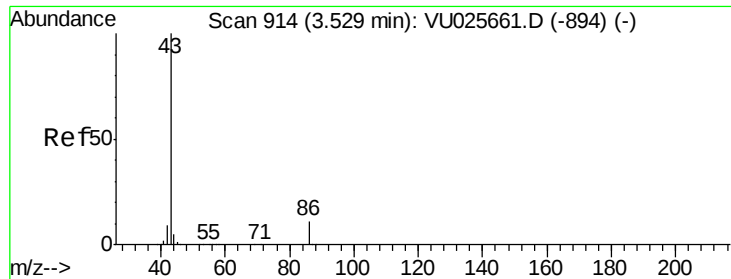
Abundance Ion 45.00 (44.70 to 45.70): VU025785.D (-836) (-)

Ion 43.00 (42.70 to 43.70): VU025785.D (-836) (-)

Ion 87.00 (86.70 to 87.70): VU025785.D (-836) (-)

Ion 59.00 (58.70 to 59.70): VU025785.D (-836) (-)





#23

Vinyl Acetate

Concen: 237.66 ug/l

RT: 3.53 min Scan# 914

Delta R.T. 0.00 min

Lab File: VU025785.D

Acq: 01 Aug 2018 18:39

Instrument :

MSVOA_U

ClientSampleId :

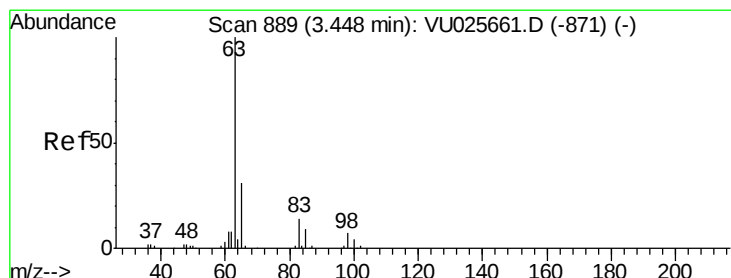
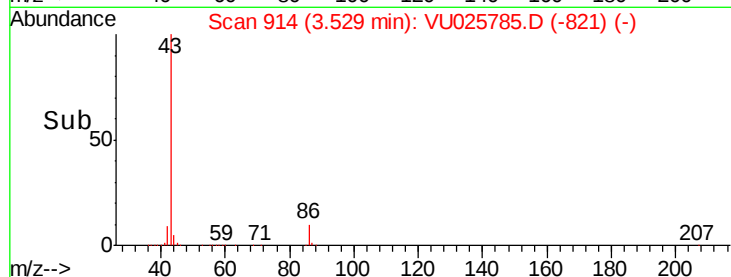
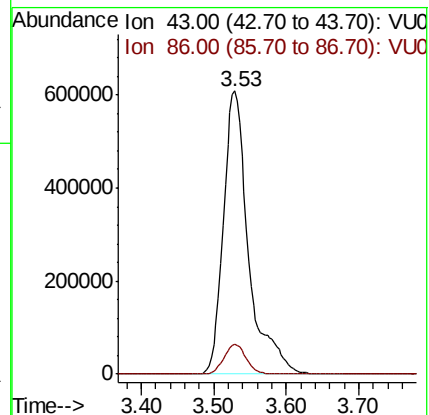
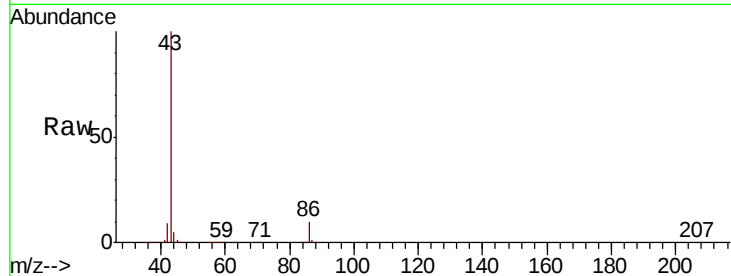
GW-03MSD

Tot Ion: 43 Resp: 1466847

Ion Ratio Lower Upper

43 100

86 10.5 8.2 12.2



#24

1,1-Dichloroethane

Concen: 49.92 ug/l

RT: 3.45 min Scan# 889

Delta R.T. 0.00 min

Lab File: VU025785.D

Acq: 01 Aug 2018 18:39

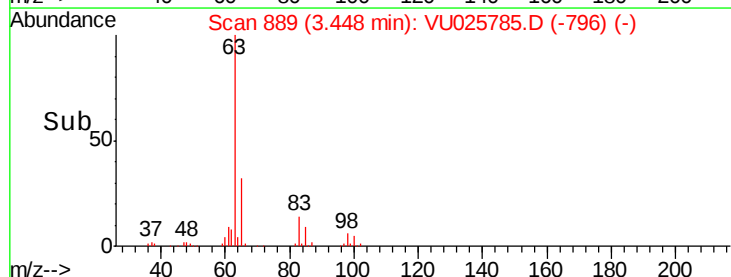
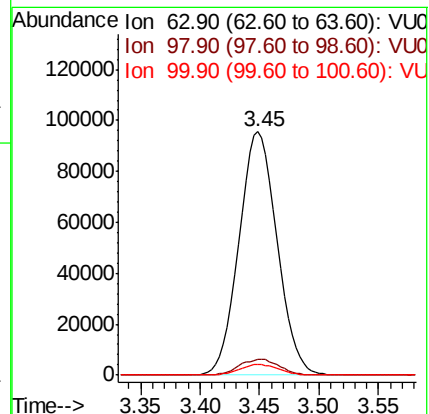
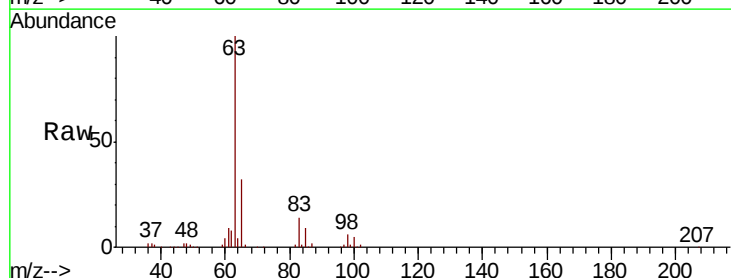
Tgt Ion: 63 Resp: 212248

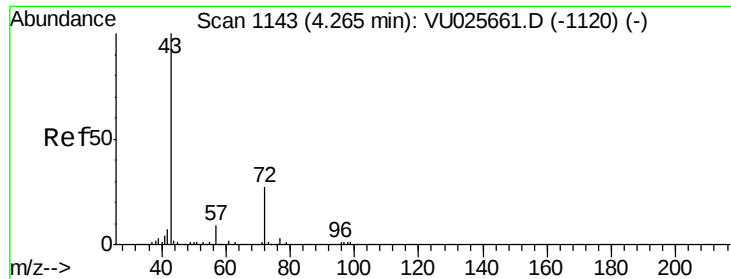
Ion Ratio Lower Upper

63 100

98 6.5 3.4 10.1

100 4.6 2.0 6.0

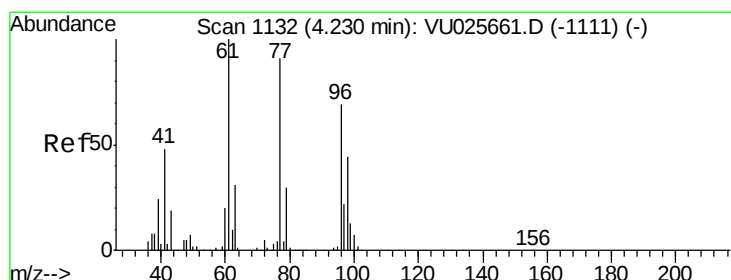
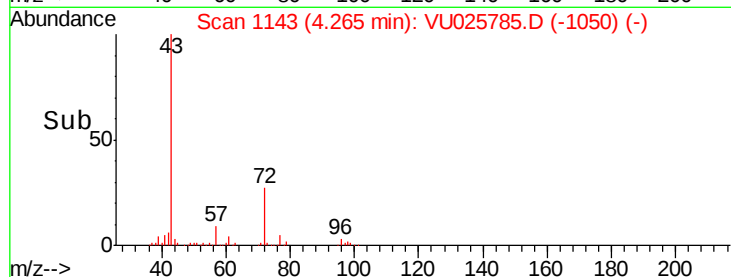
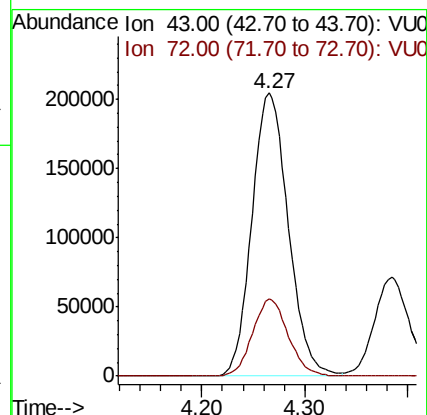
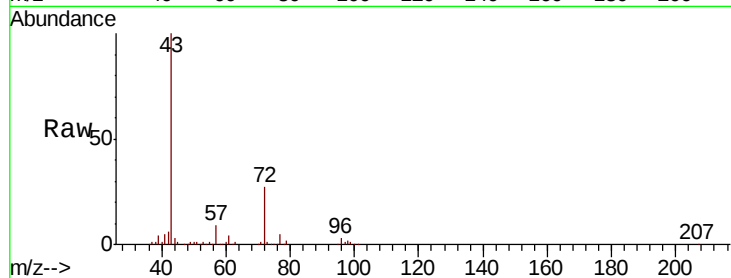




#25
2-Butanone
Concen: 259.53 ug/l
RT: 4.27 min Scan# 1143
Delta R.T. 0.00 min
Lab File: VU025785.D
Acq: 01 Aug 2018 18:39

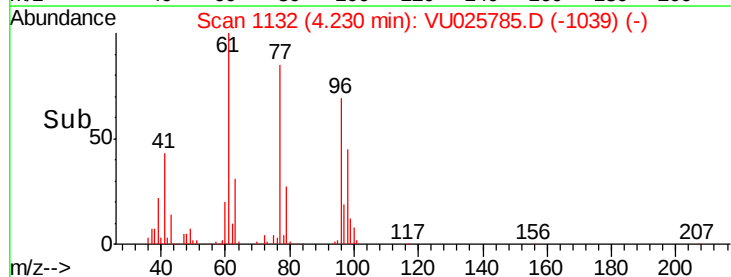
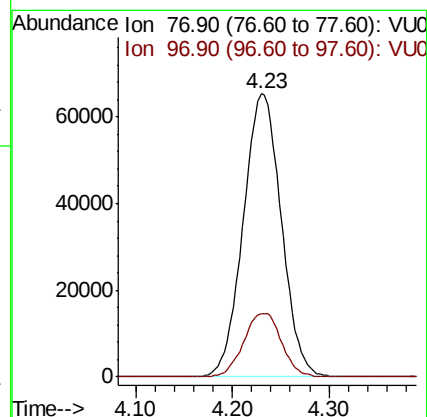
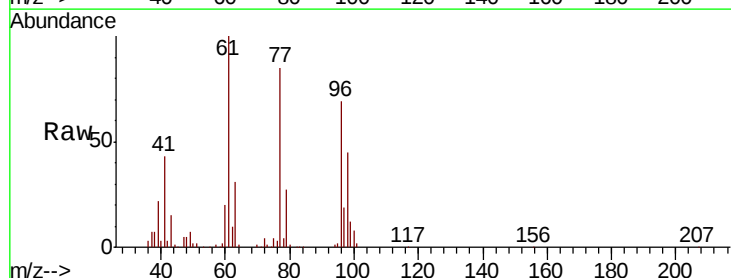
Instrument :
MSVOA_U
ClientSampleId :
GW-03MSD

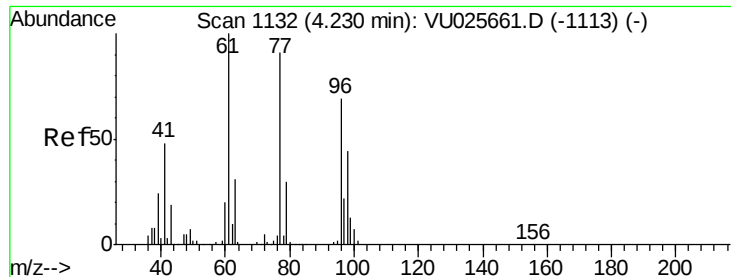
Tot Ion: 43 Resp: 499881
Ion Ratio Lower Upper
43 100
72 27.1 21.0 31.4



#26
2,2-Dichloropropane
Concen: 46.25 ug/l
RT: 4.23 min Scan# 1132
Delta R.T. 0.00 min
Lab File: VU025785.D
Acq: 01 Aug 2018 18:39

Tgt Ion: 77 Resp: 178701
Ion Ratio Lower Upper
77 100
97 22.4 11.2 33.5





#27

cis-1,2-Dichloroethene

Concen: 50.24 ug/l

RT: 4.23 min Scan# 1132

Delta R.T. 0.00 min

Lab File: VU025785.D

Acq: 01 Aug 2018 18:39

Instrument :

MSVOA_U

ClientSampleId :

GW-03MSD

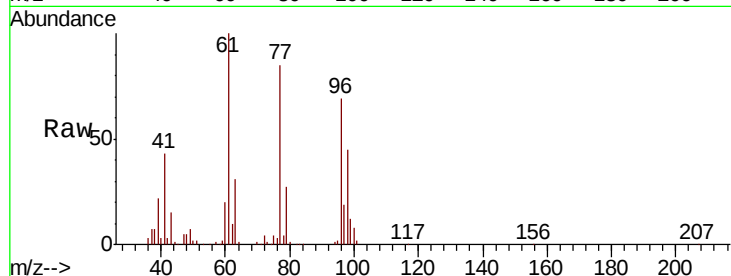
Tot Ion: 96 Resp: 130954

Ion Ratio Lower Upper

96 100

61 143.0 0.0 299.8

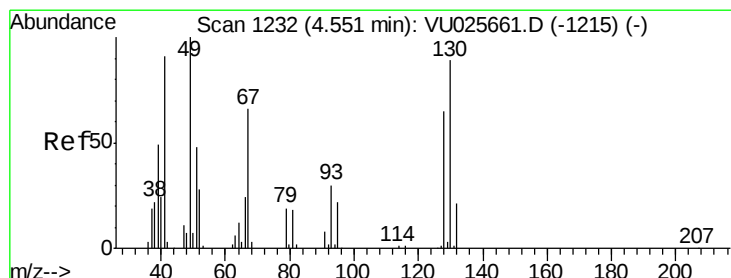
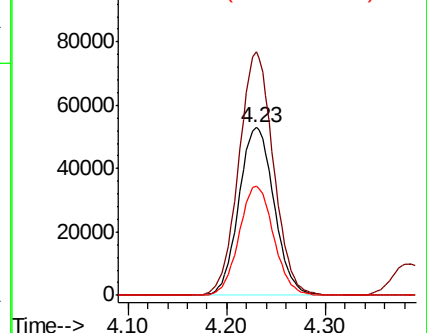
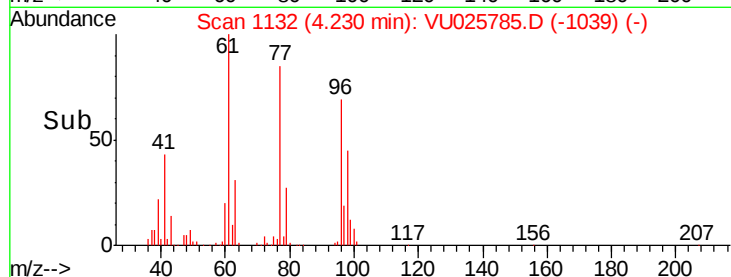
98 64.1 0.0 128.6



Abundance Ion 95.90 (95.60 to 96.60): VU0

Ion 60.90 (60.60 to 61.60): VU0

Ion 97.90 (97.60 to 98.60): VU0



#28

Bromochloromethane

Concen: 48.80 ug/l

RT: 4.55 min Scan# 1233

Delta R.T. 0.00 min

Lab File: VU025785.D

Acq: 01 Aug 2018 18:39

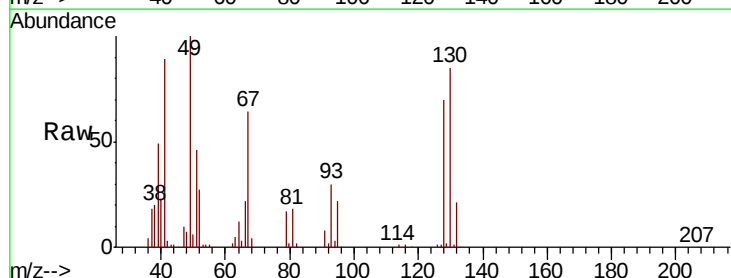
Tgt Ion: 49 Resp: 92769

Ion Ratio Lower Upper

49 100

129 2.3 0.0 4.6

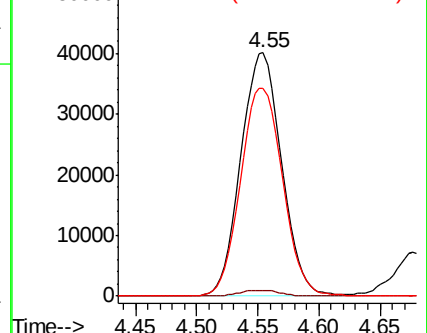
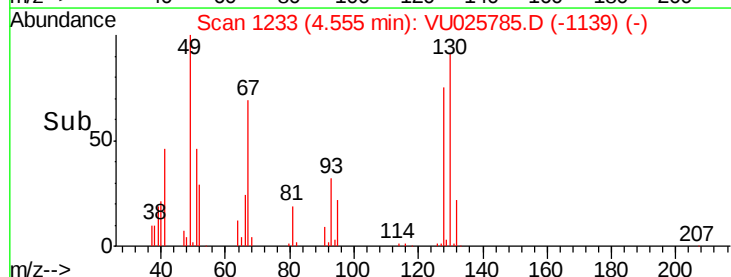
130 88.5 68.6 102.8

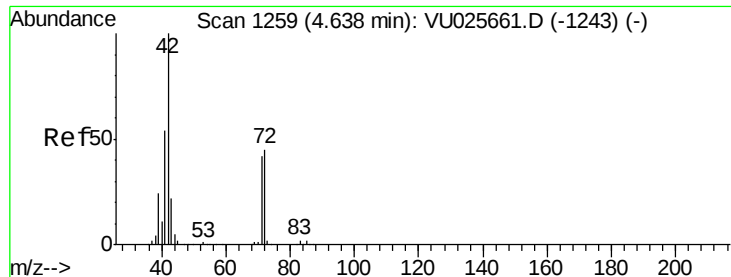


Abundance Ion 48.90 (48.60 to 49.60): VU0

Ion 128.80 (128.50 to 129.50): V

Ion 129.80 (129.50 to 130.50): V





#29

Tetrahydrofuran

Concen: 268.67 ug/l

RT: 4.64 min Scan# 1260

Delta R.T. 0.00 min

Lab File: VU025785.D

Acq: 01 Aug 2018 18:39

Instrument :

MSVOA_U

ClientSampleId :

GW-03MSD

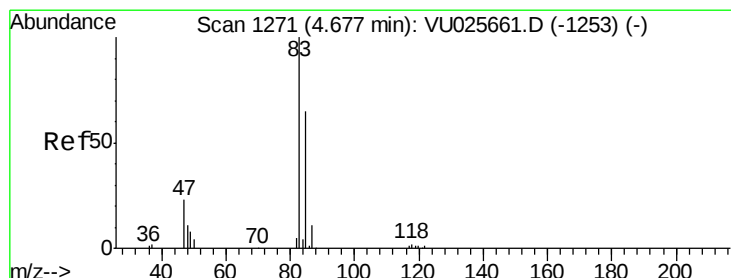
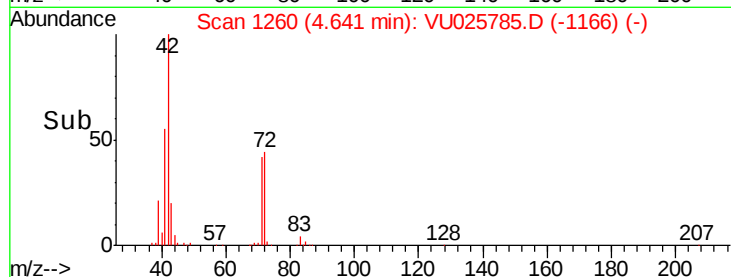
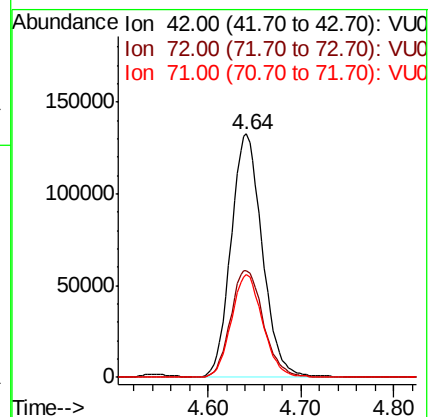
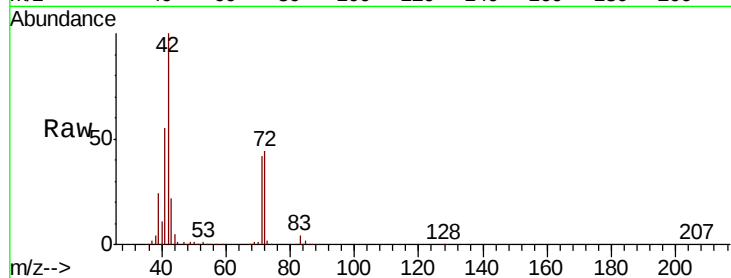
Tot Ion: 42 Resp: 310034

Ion Ratio Lower Upper

42 100

72 46.2 36.7 55.1

71 42.3 33.9 50.9



#30

Chloroform

Concen: 49.32 ug/l

RT: 4.68 min Scan# 1272

Delta R.T. 0.00 min

Lab File: VU025785.D

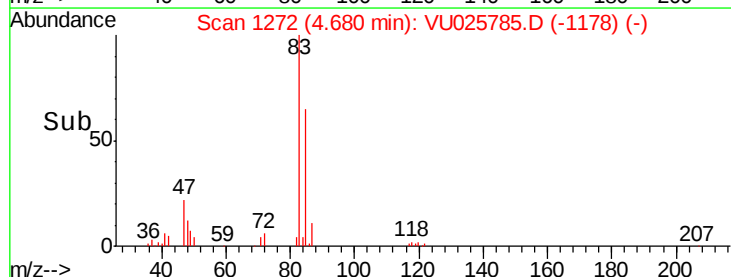
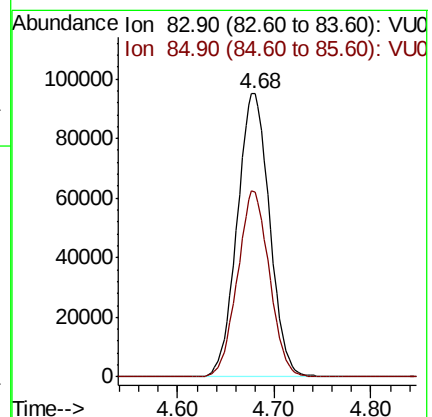
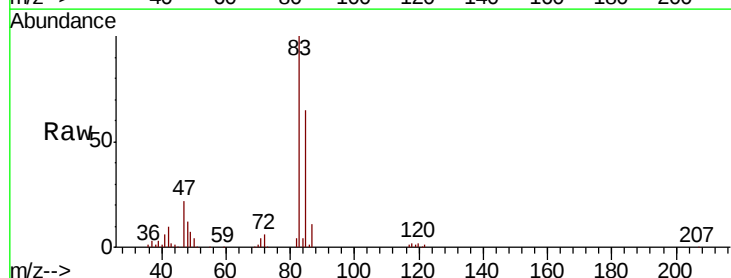
Acq: 01 Aug 2018 18:39

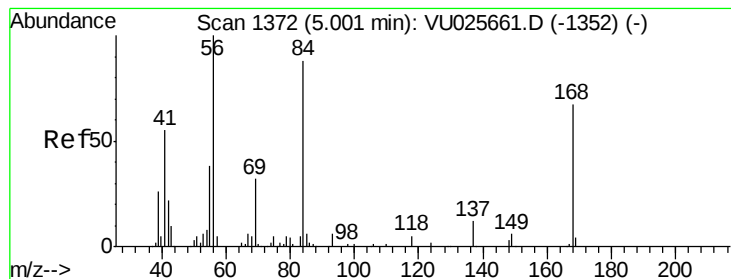
Tgt Ion: 83 Resp: 221312

Ion Ratio Lower Upper

83 100

85 65.2 51.5 77.3





#31

Cyclohexane

Concen: 48.81 ug/l

RT: 5.00 min Scan# 1372

Delta R.T. 0.00 min

Lab File: VU025785.D

Acq: 01 Aug 2018 18:39

Instrument :

MSVOA_U

ClientSampleId :

GW-03MSD

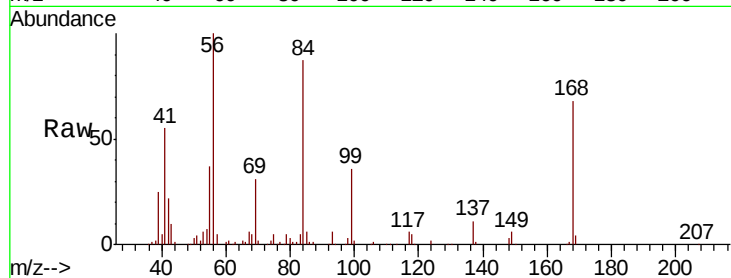
Tot Ion: 56 Resp: 180617

Ion Ratio Lower Upper

56 100

69 31.0 26.8 40.2

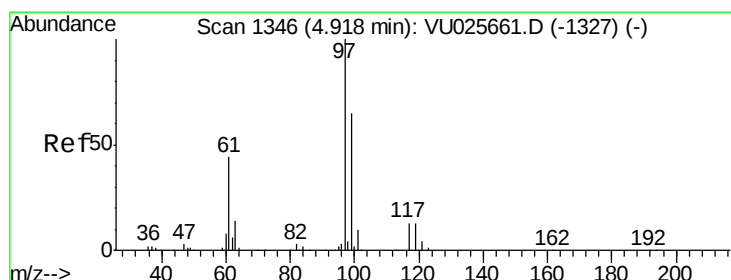
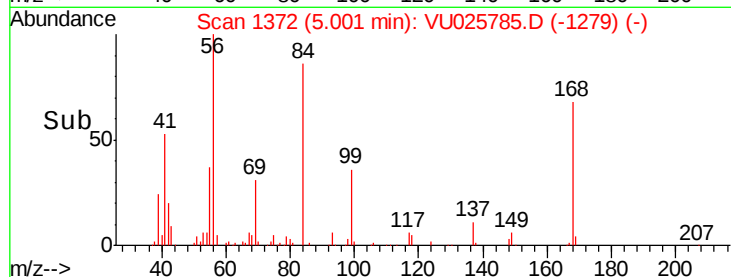
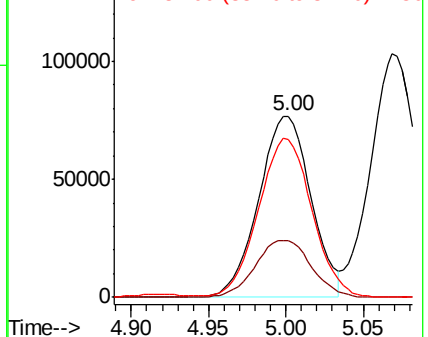
84 86.0 69.7 104.5



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: 49.78 ug/l

RT: 4.92 min Scan# 1347

Delta R.T. 0.00 min

Lab File: VU025785.D

Acq: 01 Aug 2018 18:39

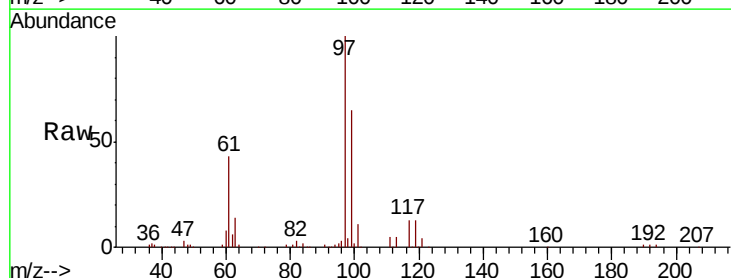
Tgt Ion: 97 Resp: 201133

Ion Ratio Lower Upper

97 100

99 65.9 50.8 76.2

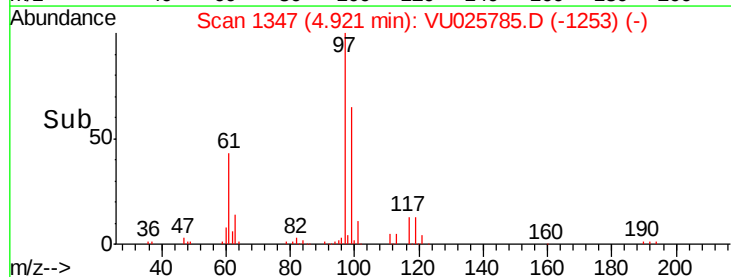
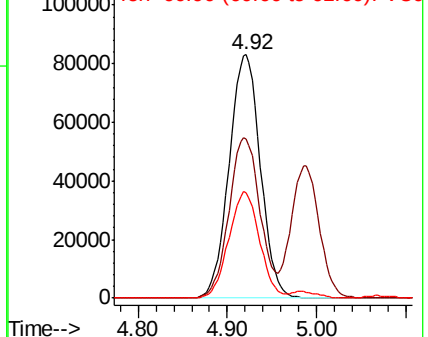
61 43.1 35.2 52.8

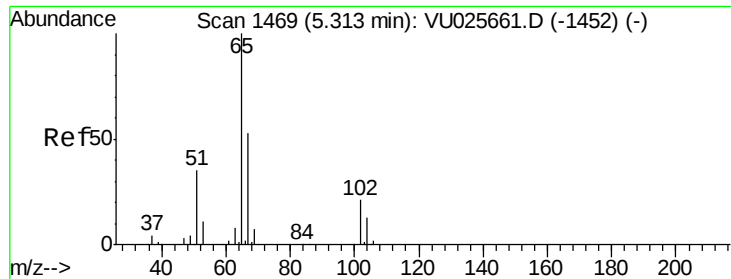


Abundance Ion 96.90 (96.60 to 97.60): VU0

Ion 98.90 (98.60 to 99.60): VU0

Ion 60.90 (60.60 to 61.60): VU0





#33

1,2-Dichloroethane-d4

Concen: 50.64 ug/l

RT: 5.31 min Scan# 1469

Delta R.T. 0.00 min

Lab File: VU025785.D

Acq: 01 Aug 2018 18:39

Instrument :

MSVOA_U

ClientSampleId :

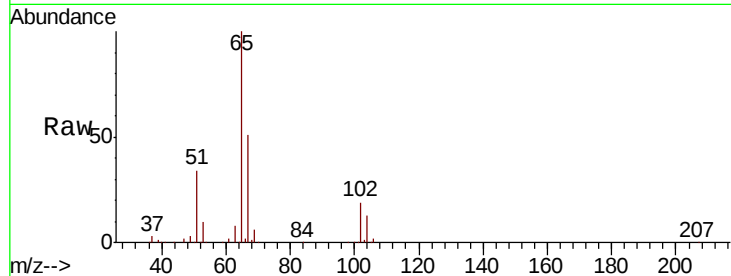
GW-03MSD

Tot Ion: 65 Resp: 146956

Ion Ratio Lower Upper

65 100

67 51.9 0.0 103.6

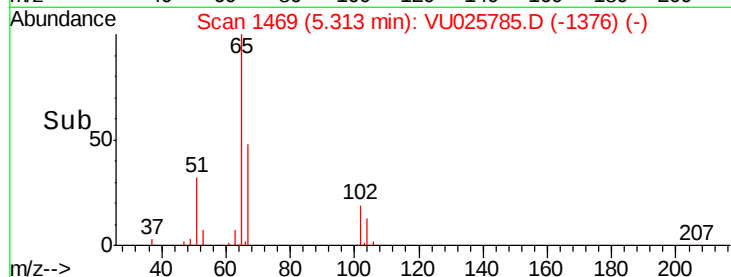


Abundance Ion 64.90 (64.60 to 65.60): VU025661.D (-1452) (-)

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

5.31

Time-->

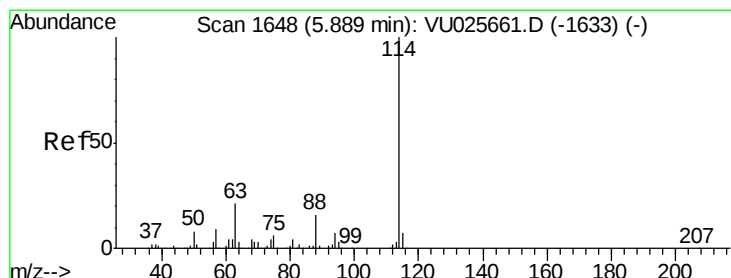


Abundance Ion 64.90 (64.60 to 65.60): VU025785.D (-1376) (-)

Ion 66.90 (66.60 to 67.60): VU025785.D (-1376) (-)

5.31

Time-->



#34

1,4-Difluorobenzene

Concen: 50.00 ug/l

RT: 5.89 min Scan# 1649

Delta R.T. 0.00 min

Lab File: VU025785.D

Acq: 01 Aug 2018 18:39

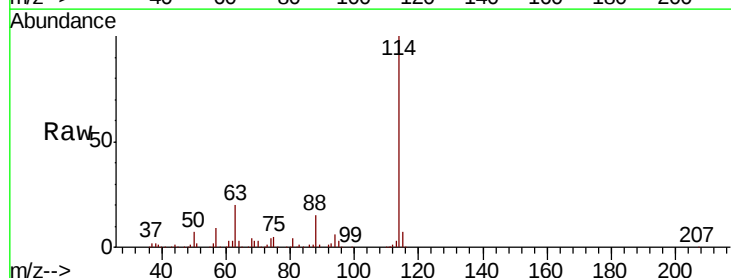
Tgt Ion: 114 Resp: 279801

Ion Ratio Lower Upper

114 100

63 20.0 0.0 41.6

88 15.3 0.0 32.4



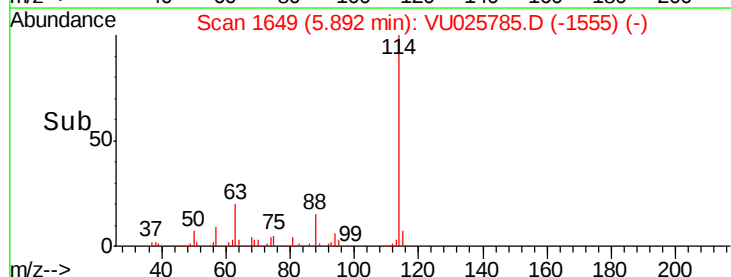
Abundance Ion 113.90 (113.60 to 114.60): VU025661.D (-1633) (-)

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

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

5.89

Time-->



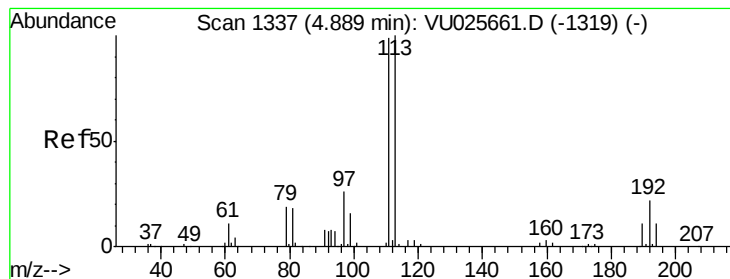
Abundance Ion 113.90 (113.60 to 114.60): VU025785.D (-1555) (-)

Ion 63.00 (62.70 to 63.70): VU025785.D (-1555) (-)

Ion 87.90 (87.60 to 88.60): VU025785.D (-1555) (-)

5.89

Time-->



#35

Dibromofluoromethane

Concen: 50.64 ug/l

RT: 4.89 min Scan# 1337

Delta R.T. 0.00 min

Lab File: VU025785.D

Acq: 01 Aug 2018 18:39

Instrument :

MSVOA_U

ClientSampleId :

GW-03MSD

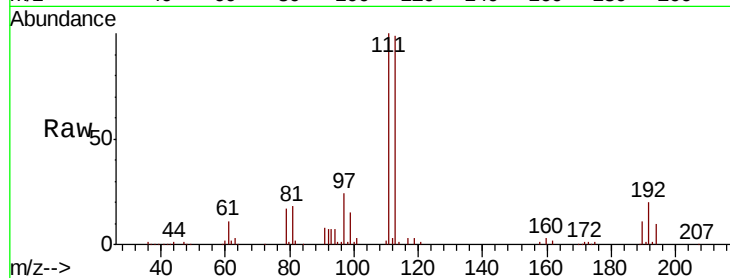
Tot Ion:113 Resp: 123226

Ion Ratio Lower Upper

113 100

111 101.4 81.7 122.5

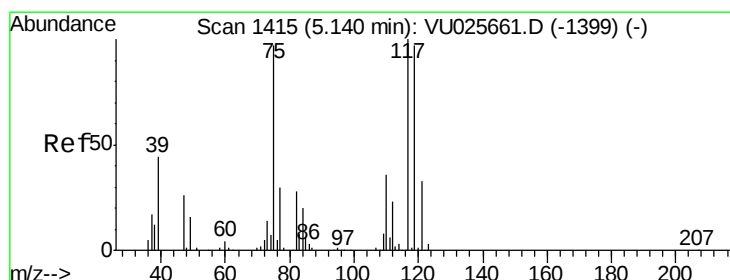
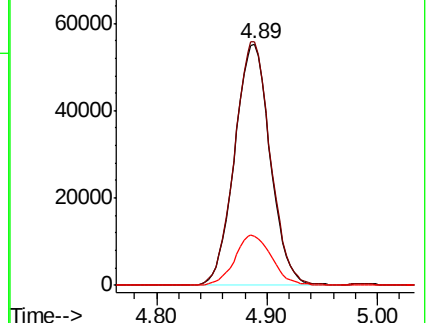
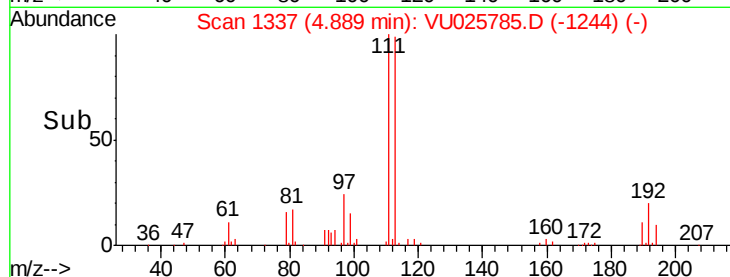
192 21.4 17.1 25.7



Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V



#36

1,1-Dichloropropene

Concen: 50.00 ug/l

RT: 5.14 min Scan# 1415

Delta R.T. 0.00 min

Lab File: VU025785.D

Acq: 01 Aug 2018 18:39

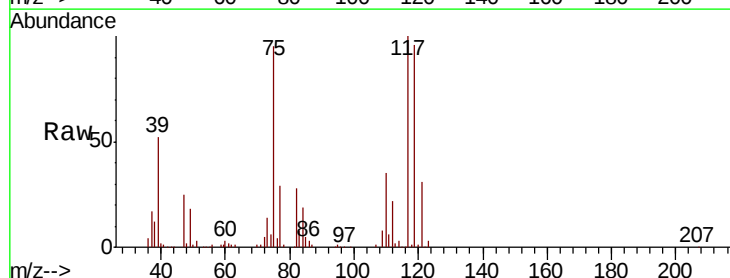
Tgt Ion: 75 Resp: 163504

Ion Ratio Lower Upper

75 100

110 37.3 17.6 52.9

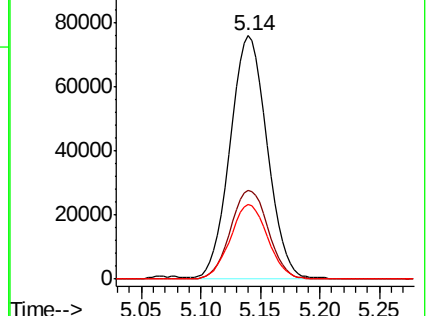
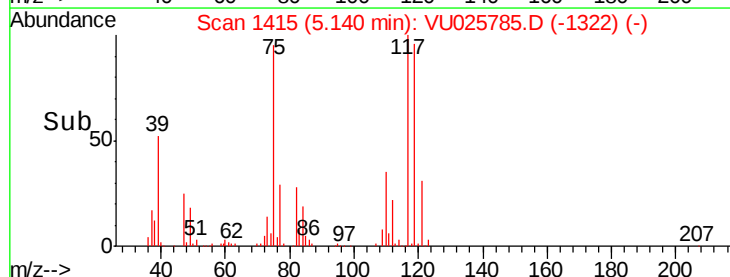
77 31.3 24.4 36.6

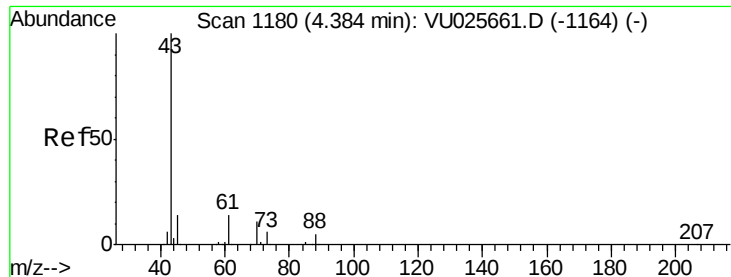


Abundance Ion 74.90 (74.60 to 75.60): VU0

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VU0

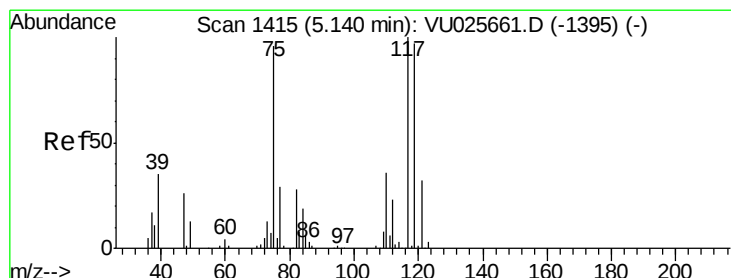
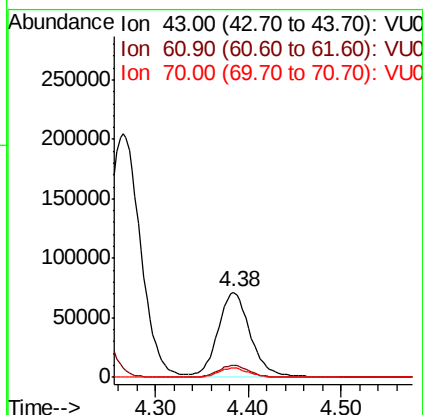
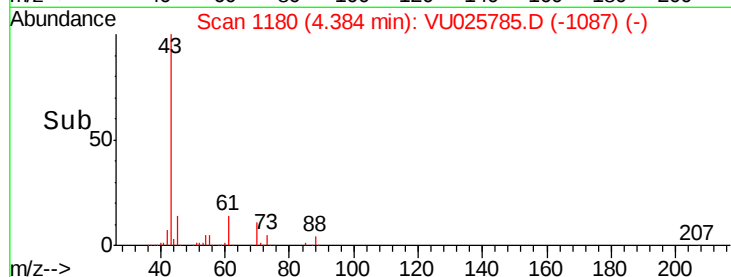
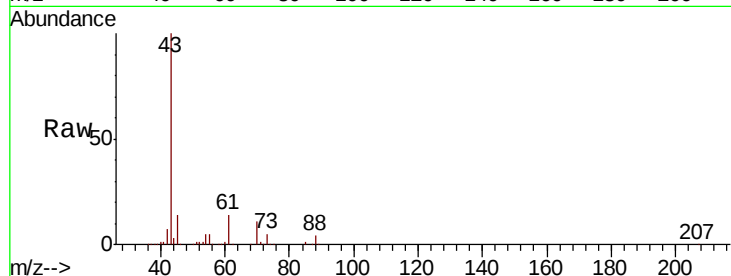




#37
Ethyl Acetate
Concen: 50.69 ug/l
RT: 4.38 min Scan# 1180
Delta R.T. 0.00 min
Lab File: VU025785.D
Acq: 01 Aug 2018 18:39

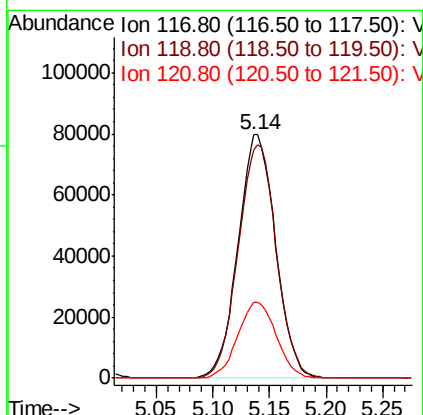
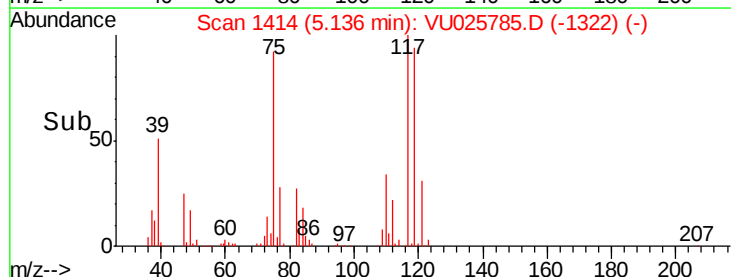
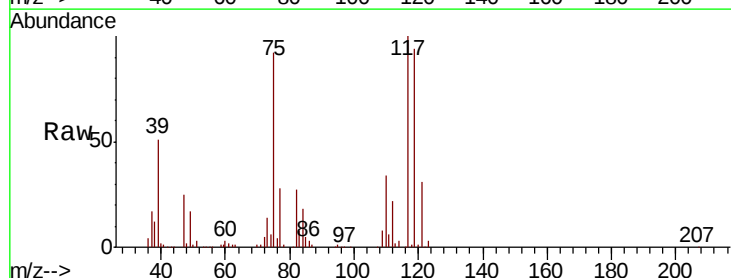
Instrument :
MSVOA_U
ClientSampled :
GW-03MSD

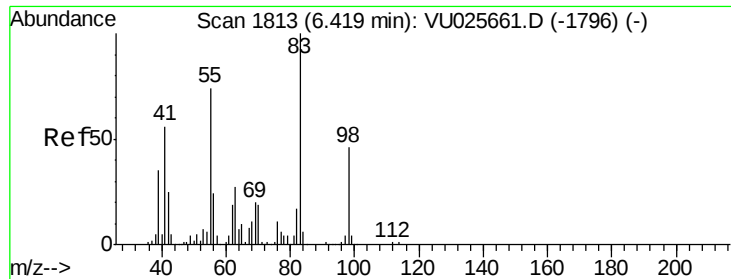
Tot Ion: 43 Resp: 171870
Ion Ratio Lower Upper
43 100
61 13.5 10.7 16.1
70 10.3 8.4 12.6



#38
Carbon Tetrachloride
Concen: 49.63 ug/l
RT: 5.14 min Scan# 1414
Delta R.T. -0.00 min
Lab File: VU025785.D
Acq: 01 Aug 2018 18:39

Tgt Ion: 117 Resp: 183822
Ion Ratio Lower Upper
117 100
119 93.9 75.7 113.5
121 31.1 24.6 36.8

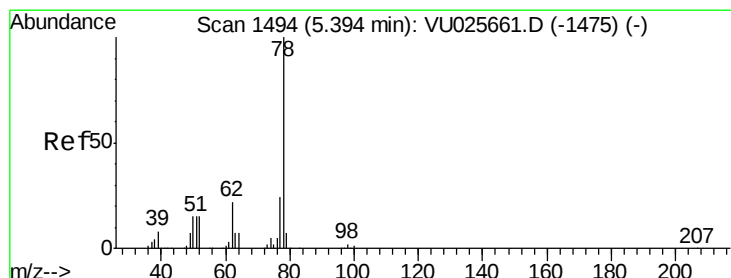
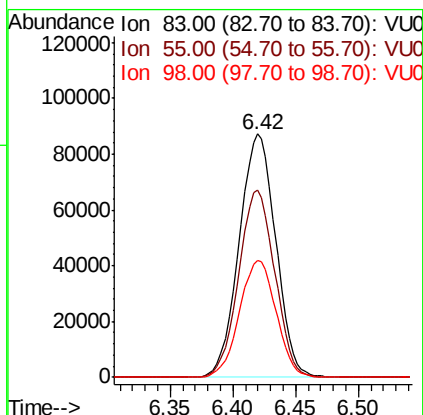
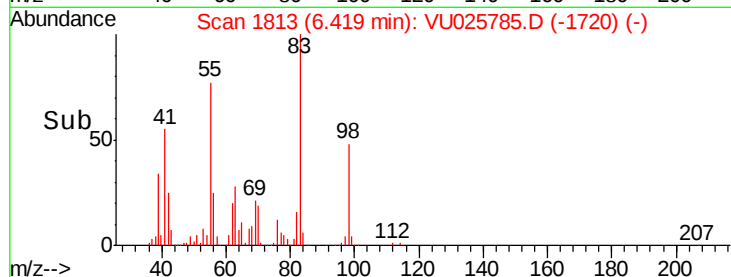
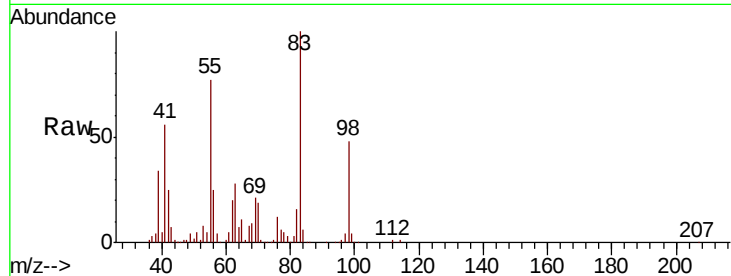




#39
Methvlcvclohexane
Concen: 47.37 ug/l
RT: 6.42 min Scan# 1813
Delta R.T. 0.00 min
Lab File: VU025785.D
Acq: 01 Aug 2018 18:39

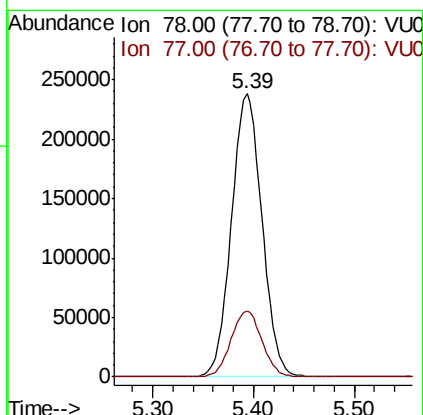
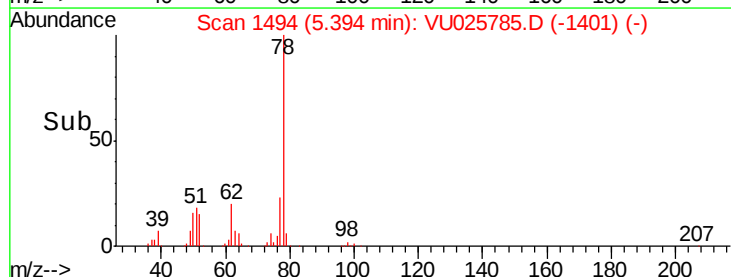
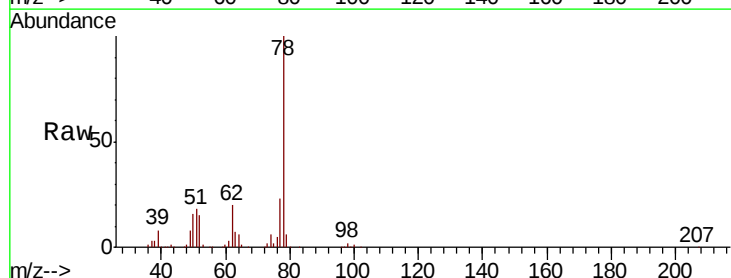
Instrument :
MSVOA_U
ClientSampleId :
GW-03MSD

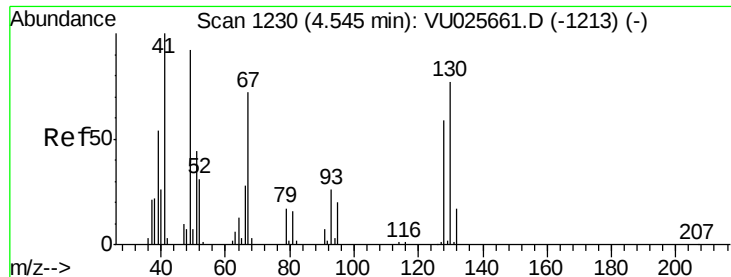
Tot Ion: 83 Resp: 177473
Ion Ratio Lower Upper
83 100
55 76.8 60.0 90.0
98 48.2 36.1 54.1



#40
Benzene
Concen: 52.45 ug/l
RT: 5.39 min Scan# 1494
Delta R.T. 0.00 min
Lab File: VU025785.D
Acq: 01 Aug 2018 18:39

Tgt Ion: 78 Resp: 501312
Ion Ratio Lower Upper
78 100
77 23.4 19.8 29.6

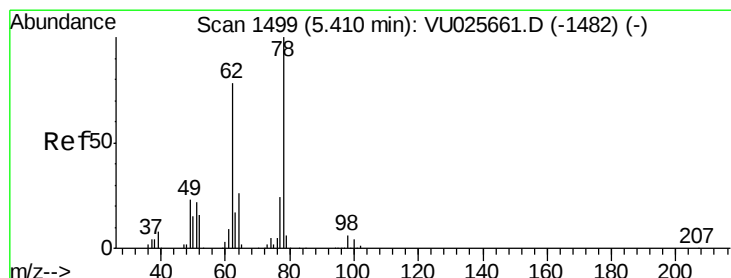
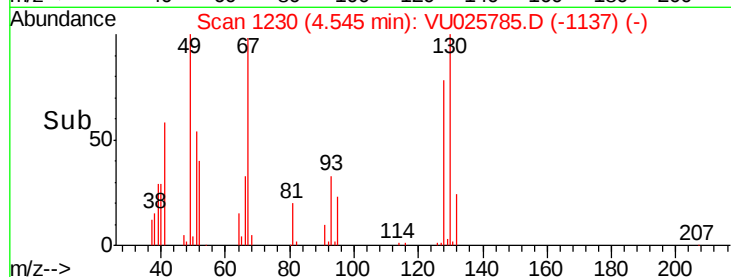
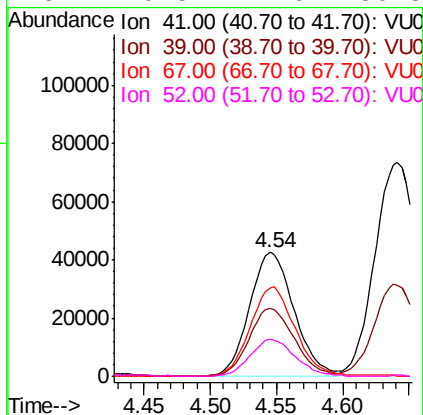
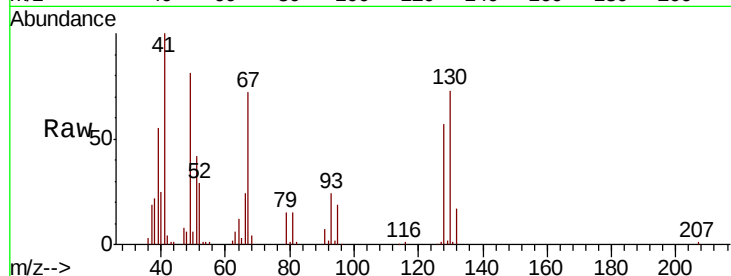




#41
Methacrylonitrile
Concen: 52.85 ug/l
RT: 4.54 min Scan# 1230
Delta R.T. 0.00 min
Lab File: VU025785.D
Acq: 01 Aug 2018 18:39

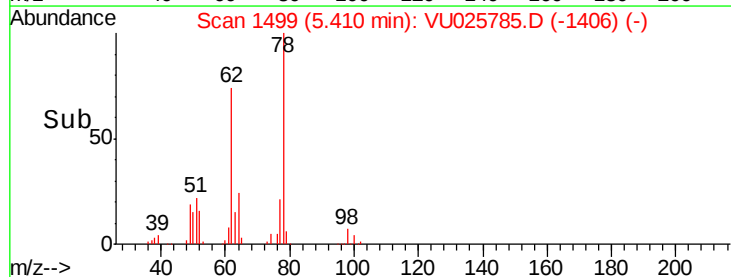
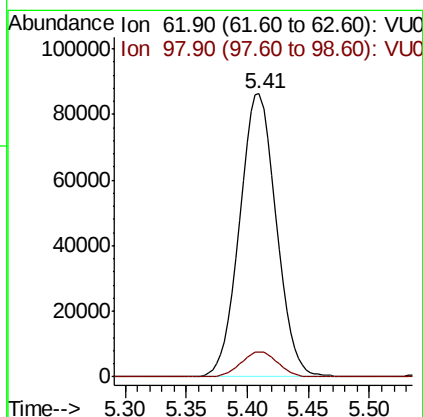
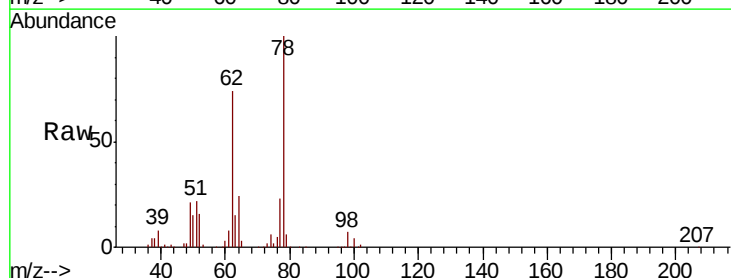
Instrument :
MSVOA_U
ClientSampleId :
GW-03MSD

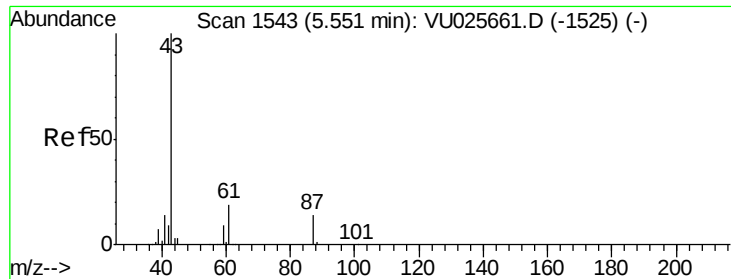
Tot Ion:	41	Resp:	99527
Ion	Ratio	Lower	Upper
41	100		
39	55.9	44.4	66.6
67	72.7	56.0	84.0
52	29.5	24.6	36.8



#42
1,2-Dichloroethane
Concen: 48.69 ug/l
RT: 5.41 min Scan# 1499
Delta R.T. 0.00 min
Lab File: VU025785.D
Acq: 01 Aug 2018 18:39

Tgt Ion:	62	Resp:	179217
Ion	Ratio	Lower	Upper
62	100		
98	8.8	0.0	16.4





#43

Isopropyl Acetate

Concen: 50.57 ug/l

RT: 5.55 min Scan# 1543

Delta R.T. 0.00 min

Lab File: VU025785.D

Acq: 01 Aug 2018 18:39

Instrument :

MSVOA_U

ClientSampleId :

GW-03MSD

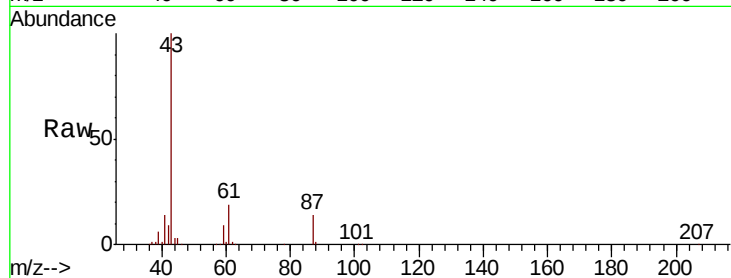
Tot Ion: 43 Resp: 283336

Ion Ratio Lower Upper

43 100

61 19.9 15.5 23.3

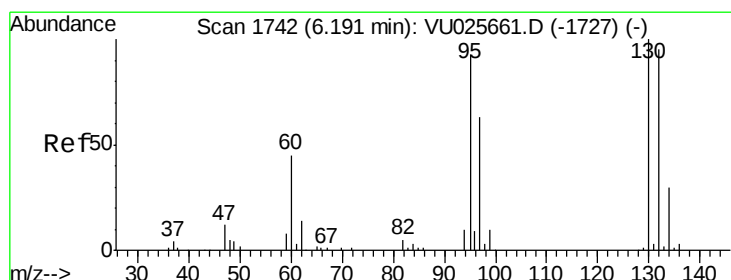
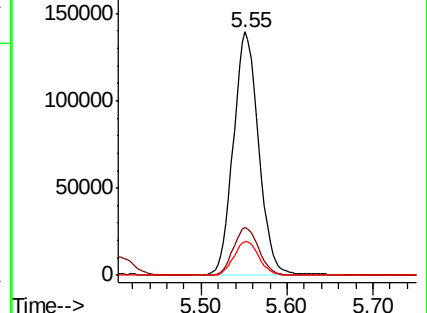
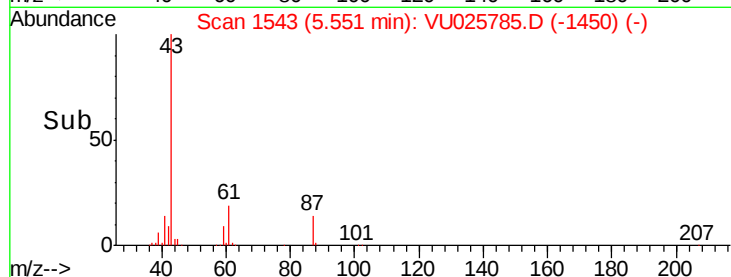
87 13.8 10.6 16.0



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

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

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



#44

Trichloroethene

Concen: 49.98 ug/l

RT: 6.19 min Scan# 1741

Delta R.T. -0.00 min

Lab File: VU025785.D

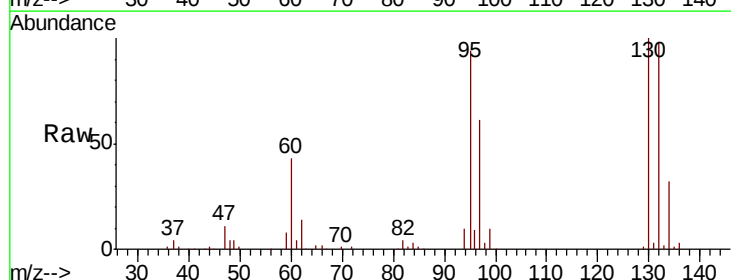
Acq: 01 Aug 2018 18:39

Tgt Ion: 130 Resp: 133030

Ion Ratio Lower Upper

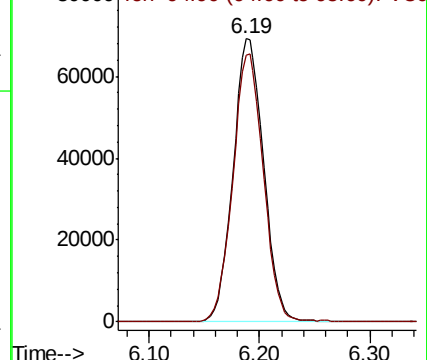
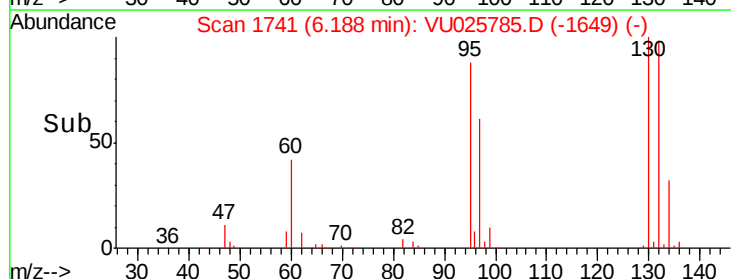
130 100

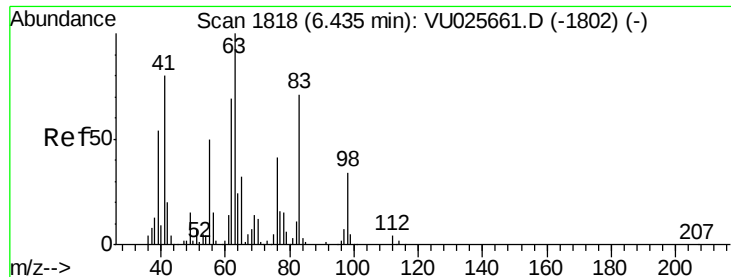
95 94.4 0.0 192.2



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

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

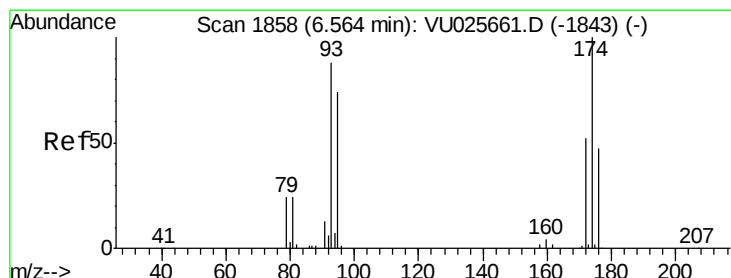
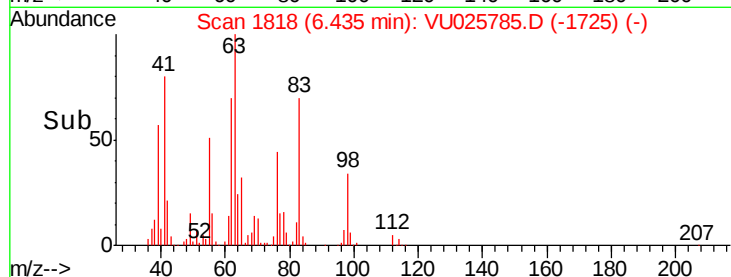
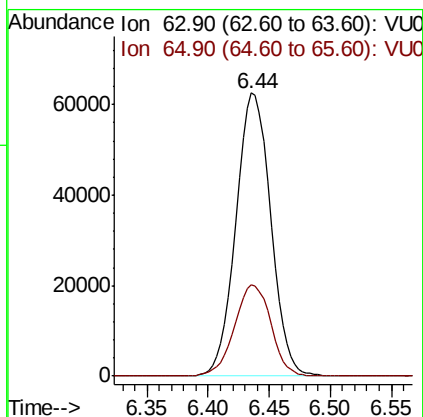
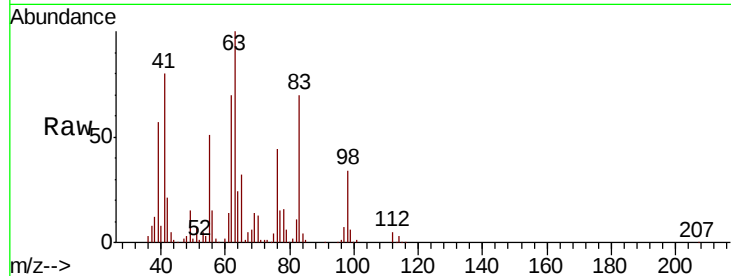




#45
 1,2-Dichloropropane
 Concen: 49.70 ug/l
 RT: 6.44 min Scan# 1818
 Delta R.T. 0.00 min
 Lab File: VU025785.D
 Acq: 01 Aug 2018 18:39

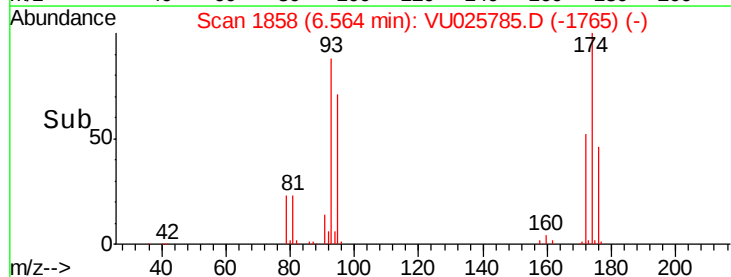
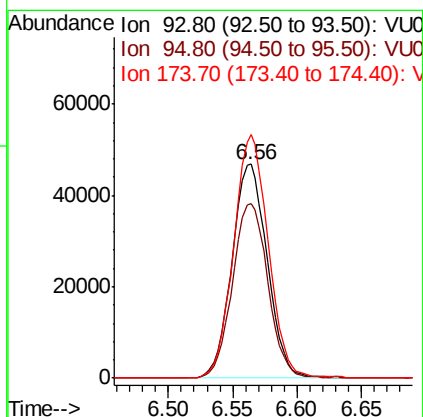
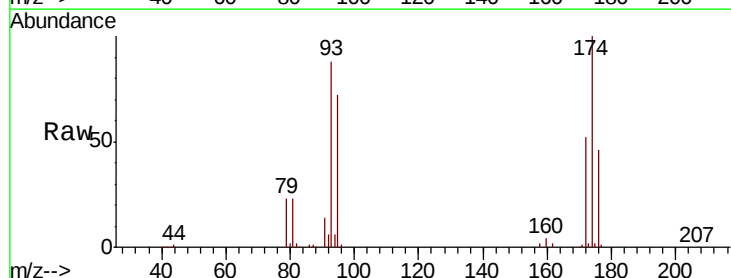
Instrument :
 MSVOA_U
 ClientSampleId :
 GW-03MSD

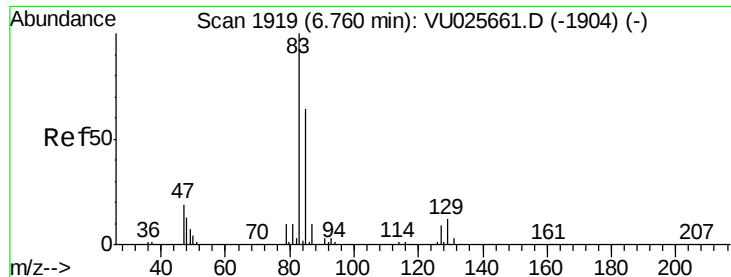
Tot Ion: 63 Resp: 123892
 Ion Ratio Lower Upper
 63 100
 65 32.4 26.1 39.1



#46
 Dibromomethane
 Concen: 49.27 ug/l
 RT: 6.56 min Scan# 1858
 Delta R.T. 0.00 min
 Lab File: VU025785.D
 Acq: 01 Aug 2018 18:39

Tgt Ion: 93 Resp: 89000
 Ion Ratio Lower Upper
 93 100
 95 81.9 66.6 100.0
 174 112.0 85.8 128.8





#47

Bromodichloromethane

Concen: 50.06 ug/l

RT: 6.76 min Scan# 1919

Delta R.T. 0.00 min

Lab File: VU025785.D

Acq: 01 Aug 2018 18:39

Instrument :

MSVOA_U

ClientSampleId :

GW-03MSD

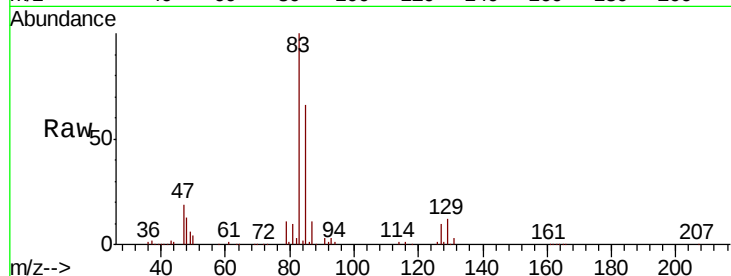
Tot Ion: 83 Resp: 172492

Ion Ratio Lower Upper

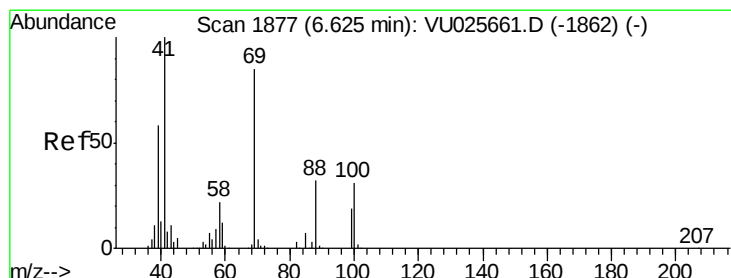
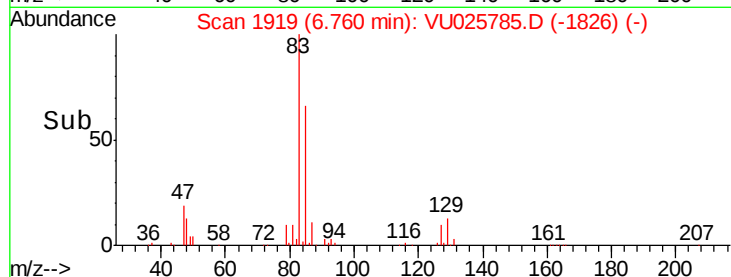
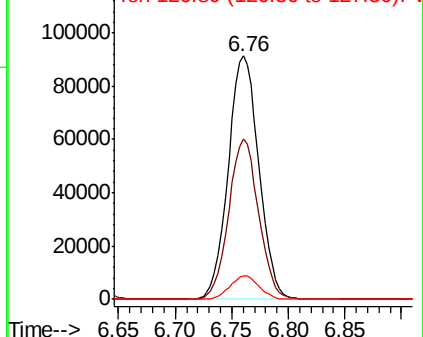
83 100

85 65.7 50.2 75.4

127 9.5 7.2 10.8



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



#48

Methyl methacrylate

Concen: 53.60 ug/l

RT: 6.63 min Scan# 1877

Delta R.T. 0.00 min

Lab File: VU025785.D

Acq: 01 Aug 2018 18:39

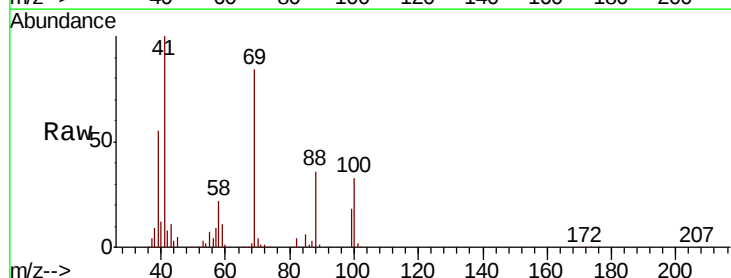
Tgt Ion: 41 Resp: 147202

Ion Ratio Lower Upper

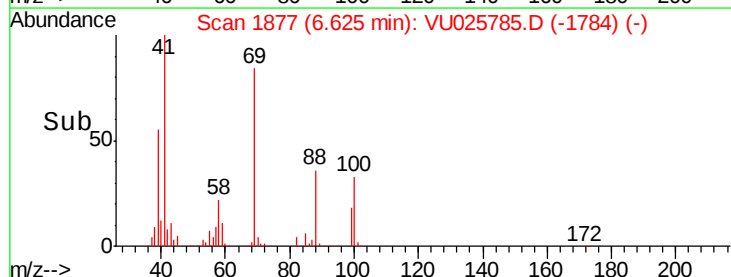
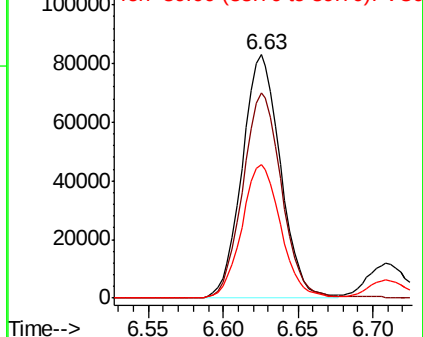
41 100

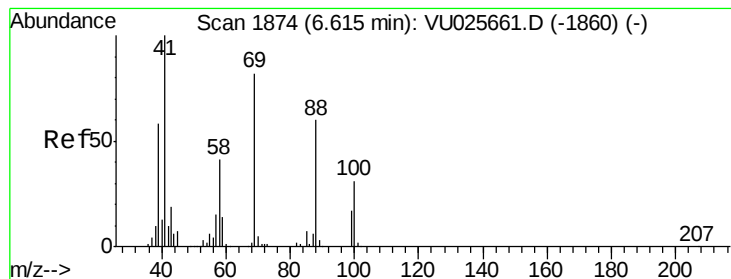
69 85.7 65.0 97.4

39 56.1 46.4 69.6



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





#49

1,4-Dioxane

Concen: 1136.40 ug/l

RT: 6.62 min Scan# 1874

Delta R.T. 0.00 min

Lab File: VU025785.D

Acq: 01 Aug 2018 18:39

Instrument :

MSVOA_U

ClientSampleId :

GW-03MSD

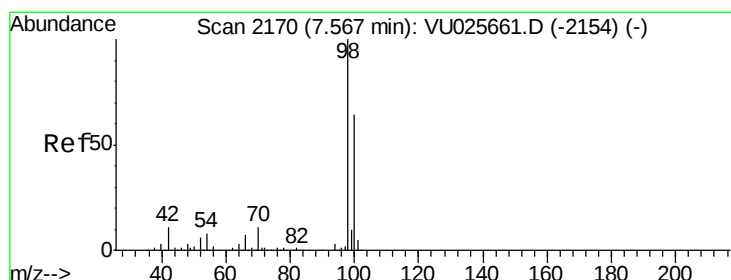
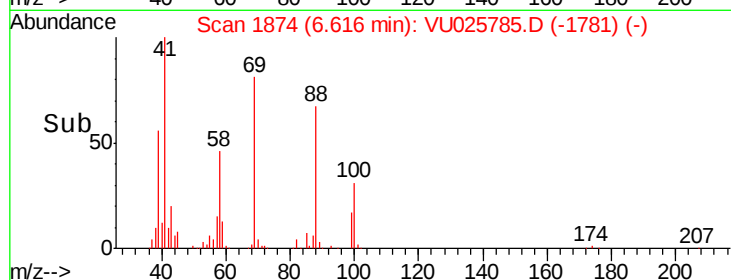
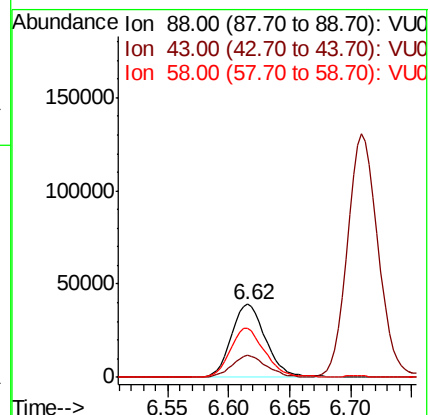
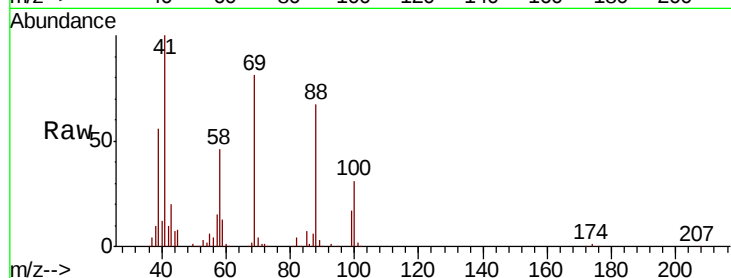
Tot Ion: 88 Resp: 75939

Ion Ratio Lower Upper

88 100

43 31.4 27.3 40.9

58 68.7 57.6 86.4



#50

Toluene-d8

Concen: 51.05 ug/l

RT: 7.57 min Scan# 2170

Delta R.T. 0.00 min

Lab File: VU025785.D

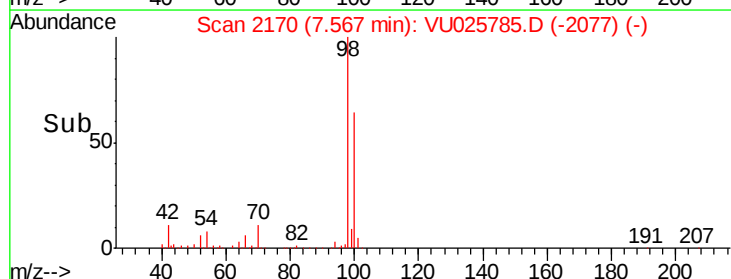
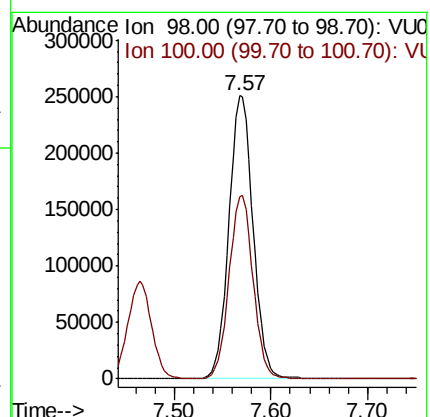
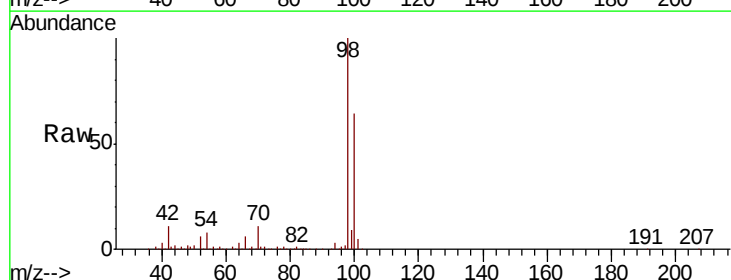
Acq: 01 Aug 2018 18:39

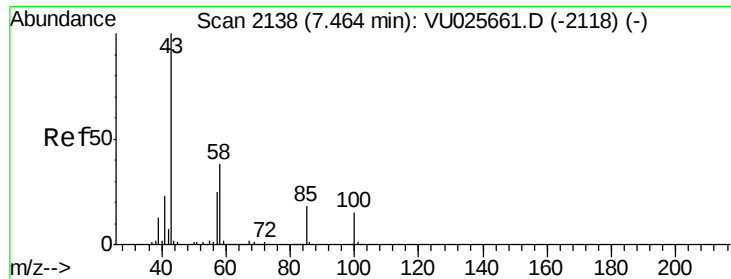
Tgt Ion: 98 Resp: 434745

Ion Ratio Lower Upper

98 100

100 64.1 51.1 76.7

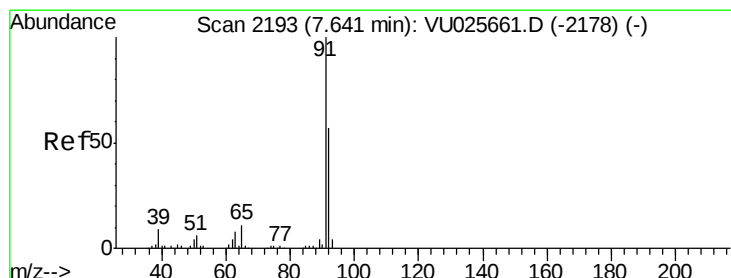
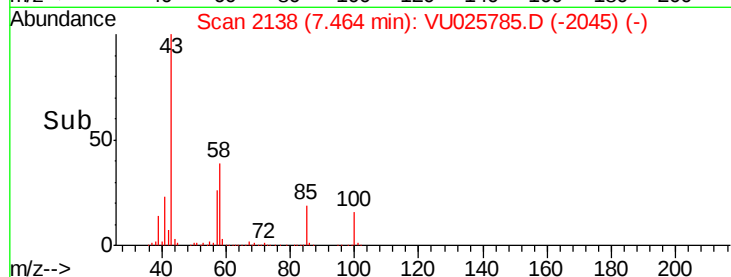
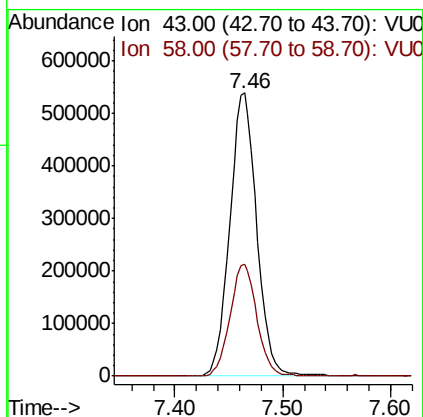
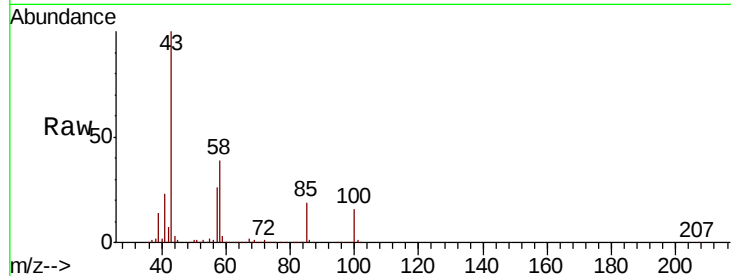




#51
 4-Methyl-2-Pentanone
 Concen: 266.91 ug/l
 RT: 7.46 min Scan# 2138
 Delta R.T. 0.00 min
 Lab File: VU025785.D
 Acq: 01 Aug 2018 18:39

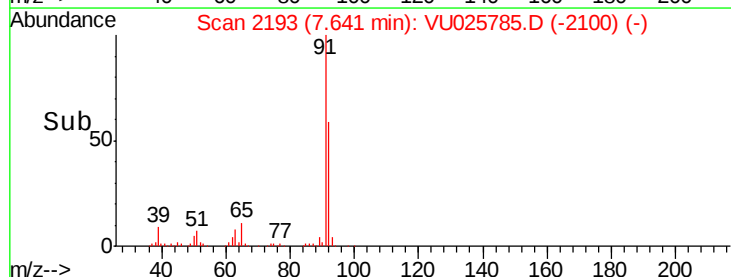
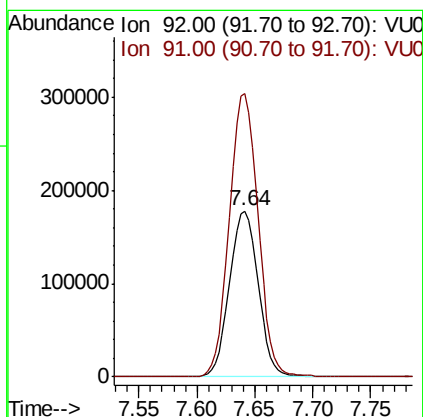
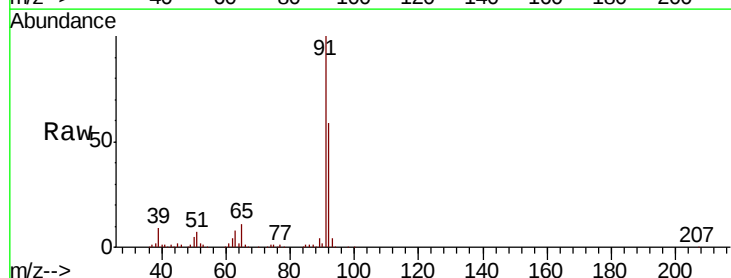
Instrument :
 MSVOA_U
 ClientSampleID :
 GW-03MSD

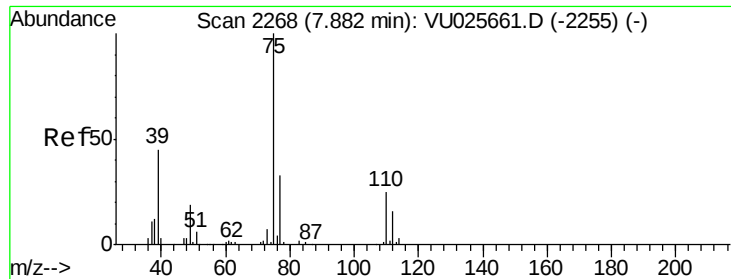
Tot Ion: 43 Resp: 936259
 Ion Ratio Lower Upper
 43 100
 58 39.4 31.0 46.4



#52
 Toluene
 Concen: 51.39 ug/l
 RT: 7.64 min Scan# 2193
 Delta R.T. 0.00 min
 Lab File: VU025785.D
 Acq: 01 Aug 2018 18:39

Tgt Ion: 92 Resp: 305185
 Ion Ratio Lower Upper
 92 100
 91 171.1 139.2 208.8

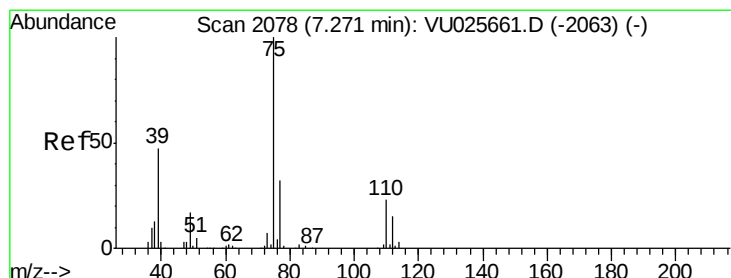
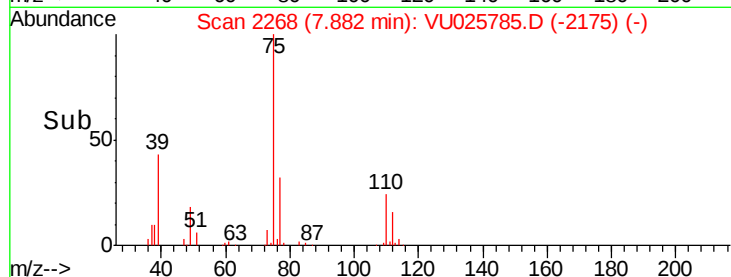
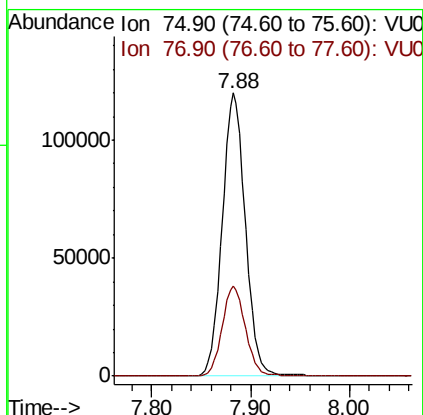
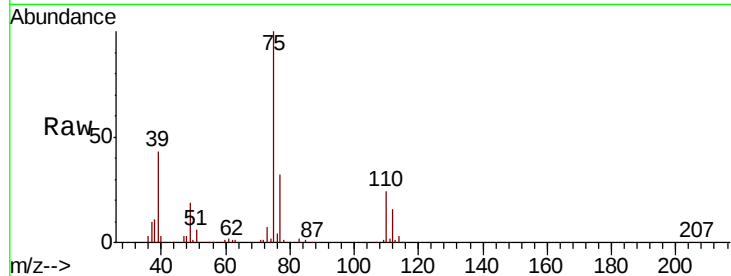




#53
 t-1,3-Dichloropropene
 Concen: 51.23 ug/l
 RT: 7.88 min Scan# 2268
 Delta R.T. 0.00 min
 Lab File: VU025785.D
 Acq: 01 Aug 2018 18:39

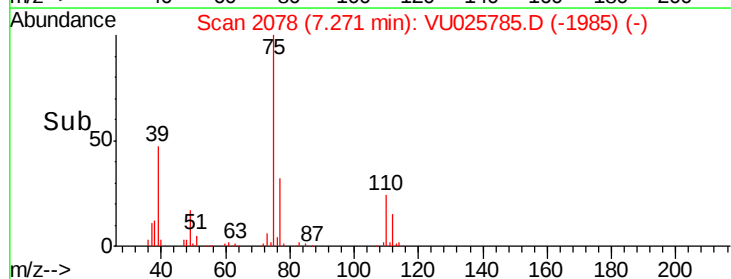
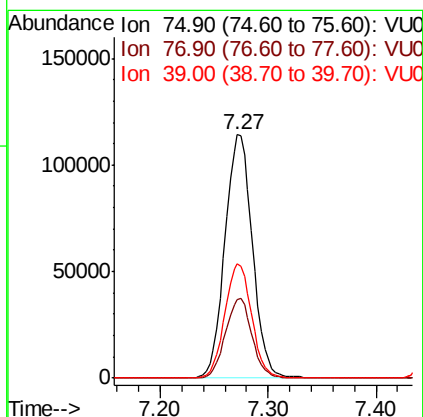
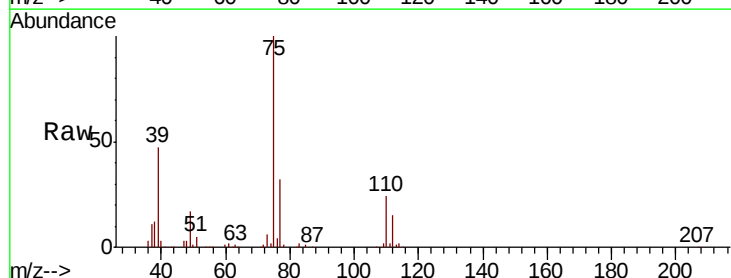
Instrument :
 MSVOA_U
 ClientSampleId :
 GW-03MSD

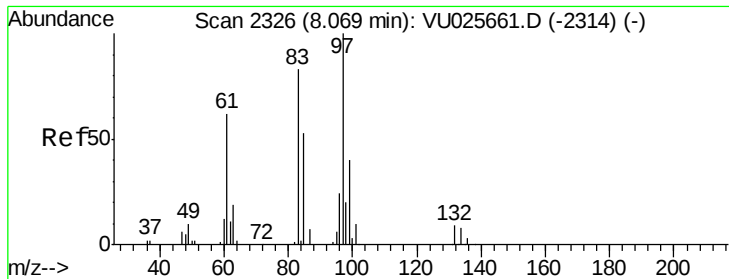
Tot Ion: 75 Resp: 198180
 Ion Ratio Lower Upper
 75 100
 77 32.0 24.5 36.7



#54
 cis-1,3-Dichloropropene
 Concen: 51.09 ug/l
 RT: 7.27 min Scan# 2078
 Delta R.T. 0.00 min
 Lab File: VU025785.D
 Acq: 01 Aug 2018 18:39

Tgt Ion: 75 Resp: 203044
 Ion Ratio Lower Upper
 75 100
 77 32.4 25.6 38.4
 39 47.1 40.0 60.0

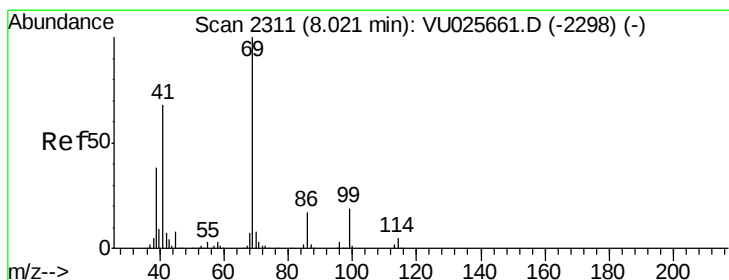
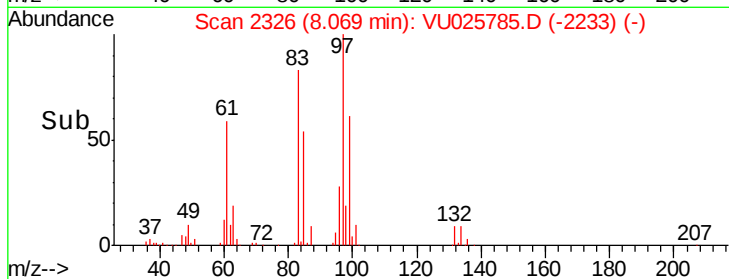
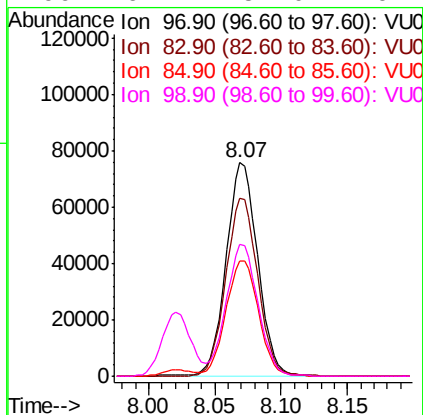
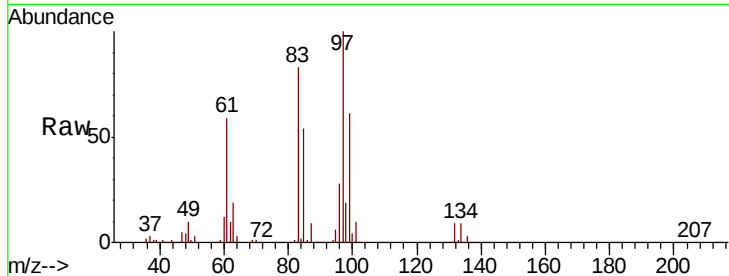




#55
 1,1,2-Trichloroethane
 Concen: 50.76 ug/l
 RT: 8.07 min Scan# 2326
 Delta R.T. 0.00 min
 Lab File: VU025785.D
 Acq: 01 Aug 2018 18:39

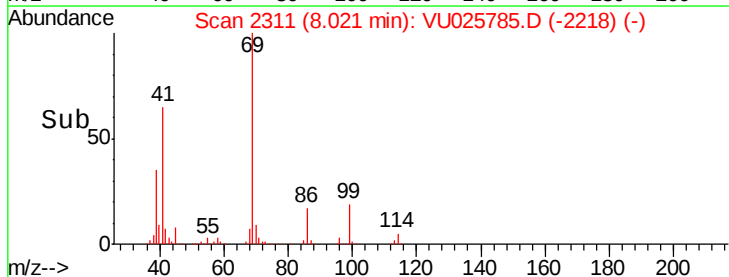
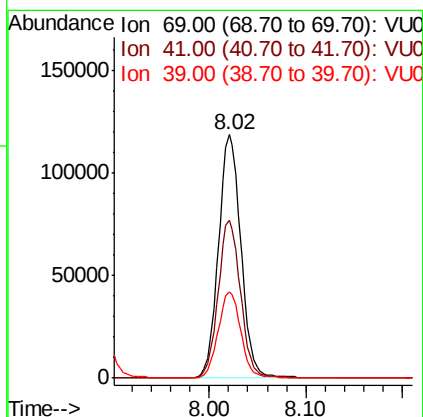
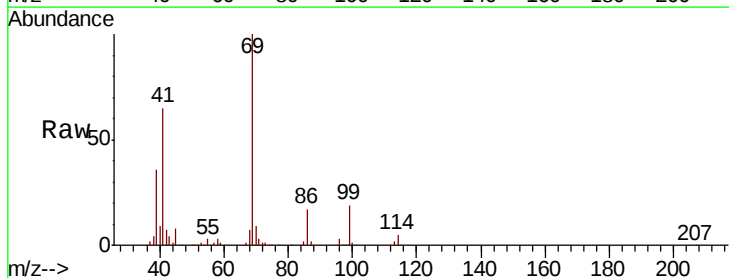
Instrument :
 MSVOA_U
 ClientSampleId :
 GW-03MSD

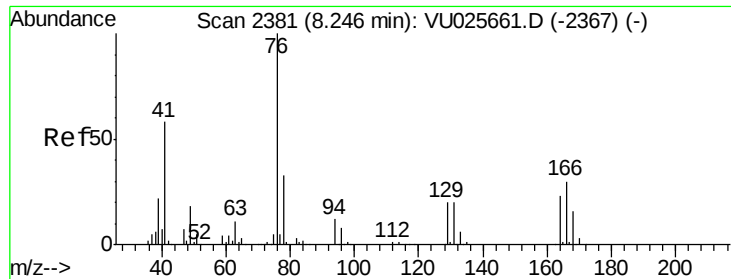
Tot Ion:	97	Resp:	125253
Ion	Ratio	Lower	Upper
97	100		
83	83.3	68.9	103.3
85	53.5	44.4	66.6
99	61.4	51.0	76.4



#56
 Ethyl methacrylate
 Concen: 54.24 ug/l
 RT: 8.02 min Scan# 2311
 Delta R.T. 0.00 min
 Lab File: VU025785.D
 Acq: 01 Aug 2018 18:39

Tgt Ion:	69	Resp:	191234
Ion	Ratio	Lower	Upper
69	100		
41	64.9	54.8	82.2
39	35.6	31.1	46.7





#57

1,3-Dichloropropane

Concen: 50.64 ug/l

RT: 8.25 min Scan# 2381

Delta R.T. 0.00 min

Lab File: VU025785.D

Acq: 01 Aug 2018 18:39

Instrument :

MSVOA_U

ClientSampleId :

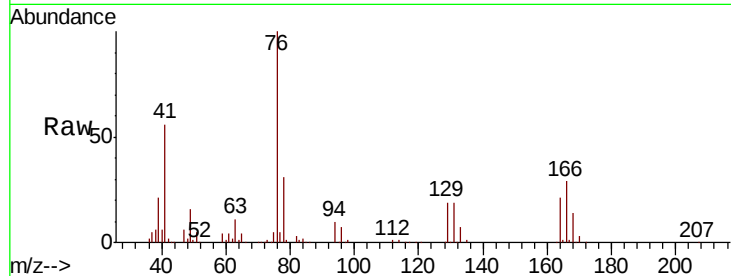
GW-03MSD

Tot Ion: 76 Resp: 210165

Ion Ratio Lower Upper

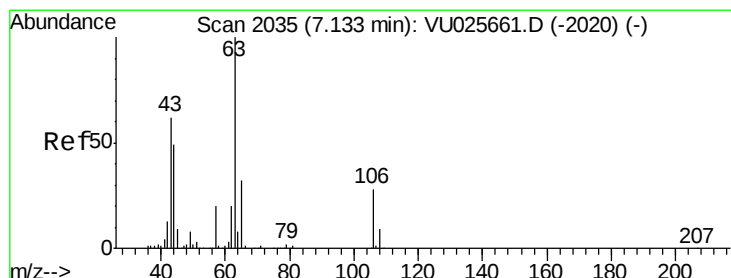
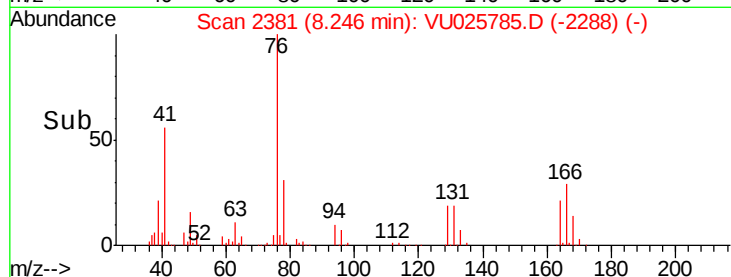
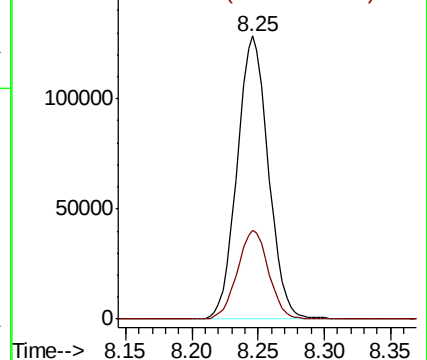
76 100

78 31.4 26.1 39.1



Abundance Ion 75.90 (75.60 to 76.60): VU0

Ion 77.90 (77.60 to 78.60): VU0



#58

2-Chloroethyl Vinyl ether

Concen: 7.13 ug/l

RT: 7.10 min Scan# 2026

Delta R.T. -0.03 min

Lab File: VU025785.D

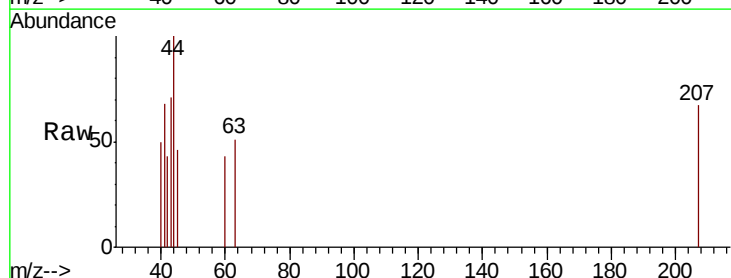
Acq: 01 Aug 2018 18:39

Tgt Ion: 63 Resp: 82

Ion Ratio Lower Upper

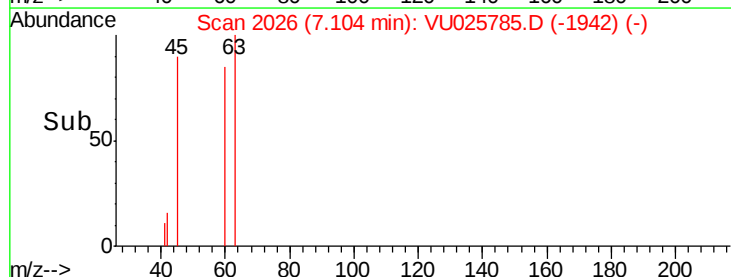
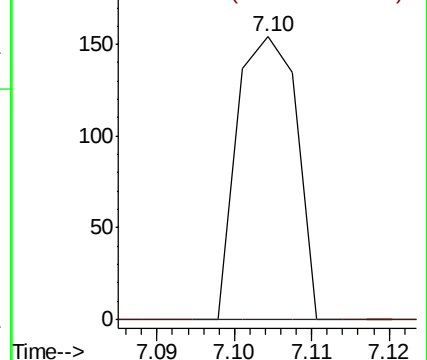
63 100

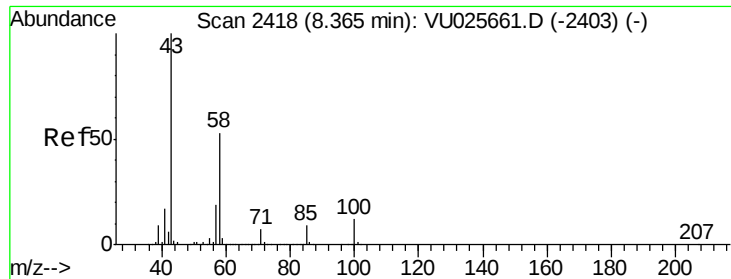
106 0.0 22.3 33.5#



Abundance Ion 62.90 (62.60 to 63.60): VU0

Ion 105.90 (105.60 to 106.60): V

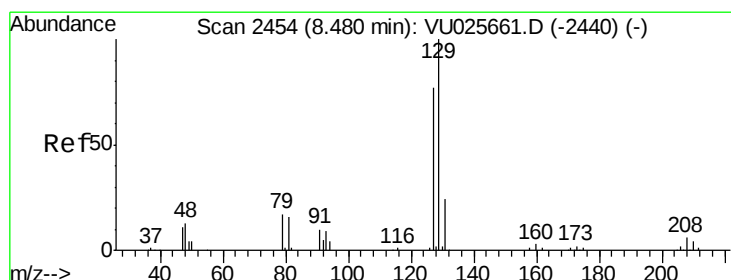
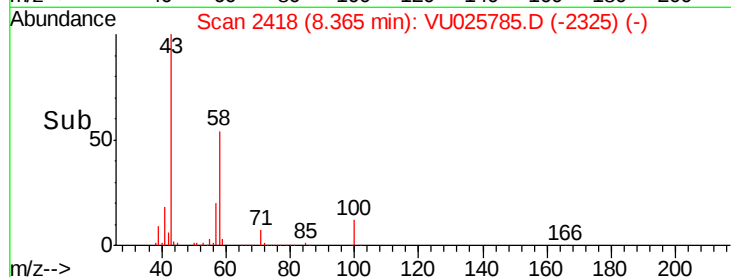
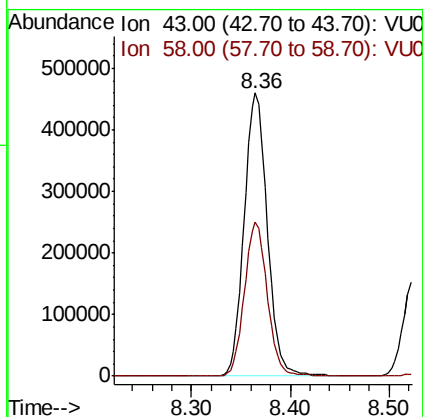
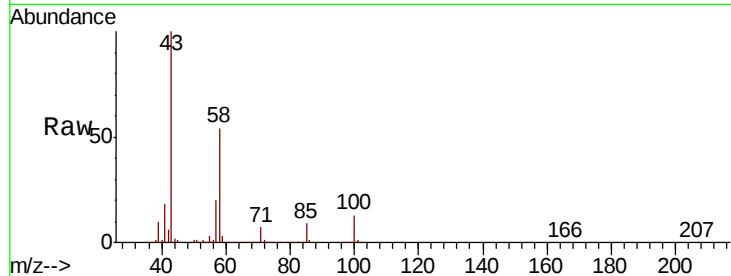




#59
2-Hexanone
Concen: 270.91 ug/l
RT: 8.36 min Scan# 2418
Delta R.T. 0.00 min
Lab File: VU025785.D
Acq: 01 Aug 2018 18:39

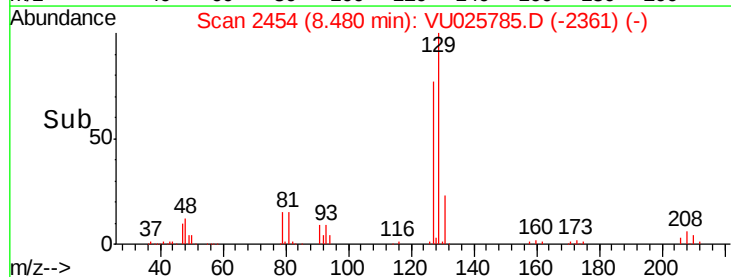
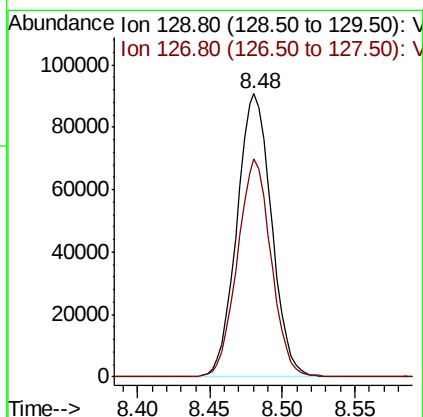
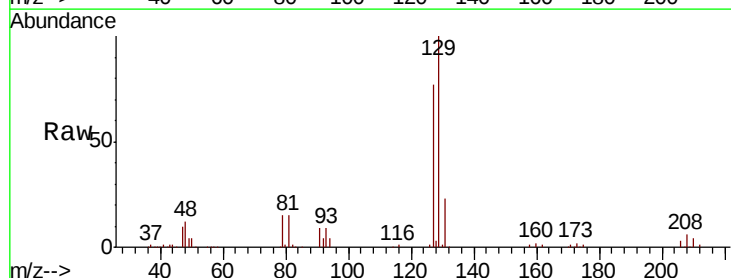
Instrument :
MSVOA_U
ClientSampleId :
GW-03MSD

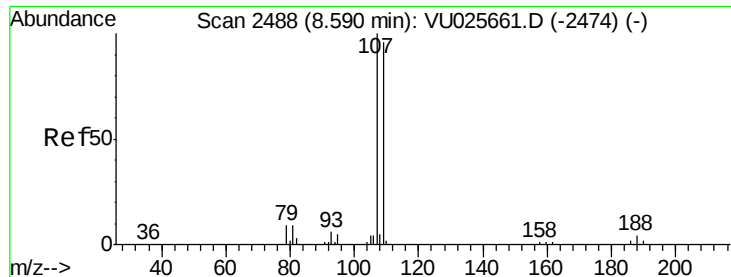
Tot Ion: 43 Resp: 744909
Ion Ratio Lower Upper
43 100
58 53.9 26.2 78.5



#60
Dibromochloromethane
Concen: 51.78 ug/l
RT: 8.48 min Scan# 2454
Delta R.T. 0.00 min
Lab File: VU025785.D
Acq: 01 Aug 2018 18:39

Tgt Ion: 129 Resp: 150693
Ion Ratio Lower Upper
129 100
127 75.1 38.6 115.8





#61

1,2-Dibromoethane

Concen: 50.06 ug/l

RT: 8.59 min Scan# 2488

Delta R.T. 0.00 min

Lab File: VU025785.D

Acq: 01 Aug 2018 18:39

Instrument :

MSVOA_U

ClientSampleId :

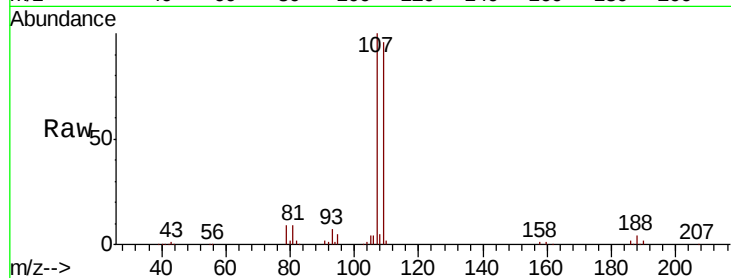
GW-03MSD

Tot Ion:107 Resp: 137384

Ion Ratio Lower Upper

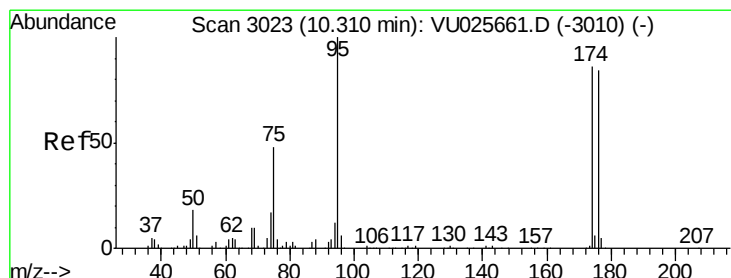
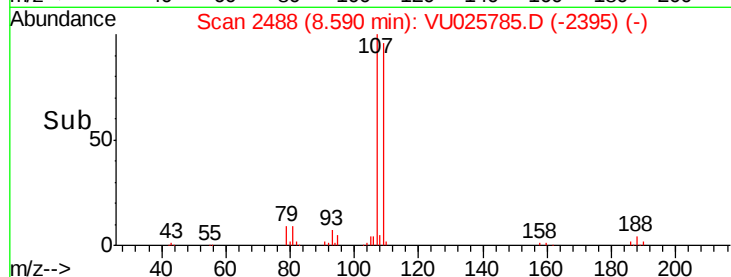
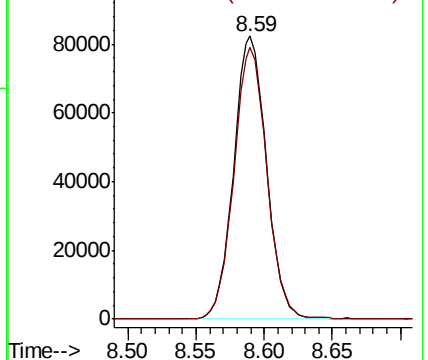
107 100

109 96.5 75.8 113.8



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V



#62

4-Bromofluorobenzene

Concen: 51.56 ug/l

RT: 10.31 min Scan# 3023

Delta R.T. 0.00 min

Lab File: VU025785.D

Acq: 01 Aug 2018 18:39

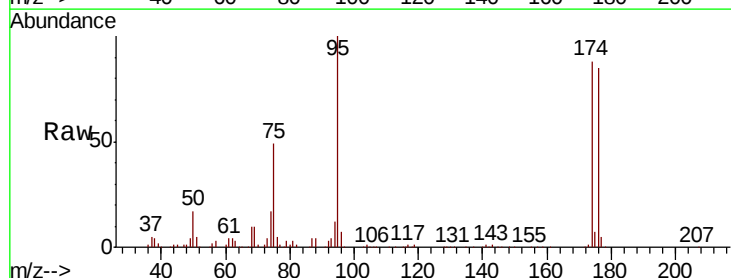
Tgt Ion: 95 Resp: 170411

Ion Ratio Lower Upper

95 100

174 88.0 0.0 172.2

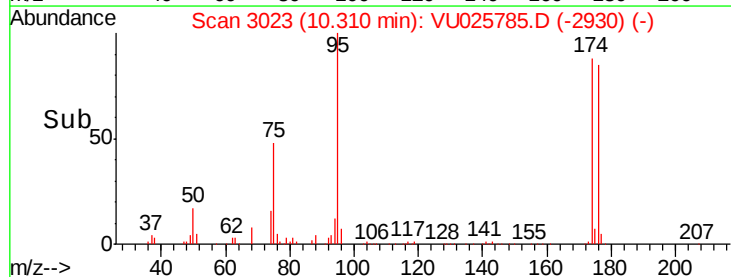
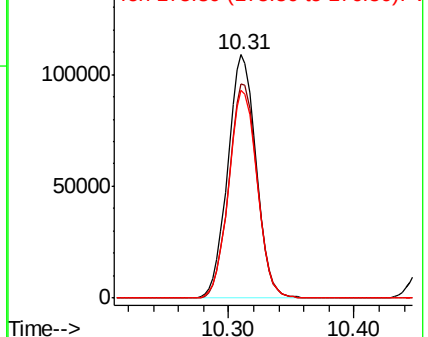
176 85.8 0.0 162.6

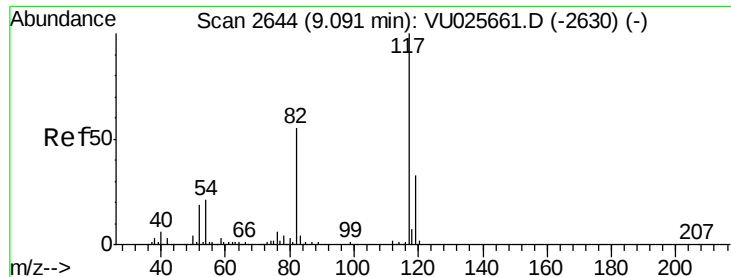


Abundance Ion 94.90 (94.60 to 95.60): VU0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

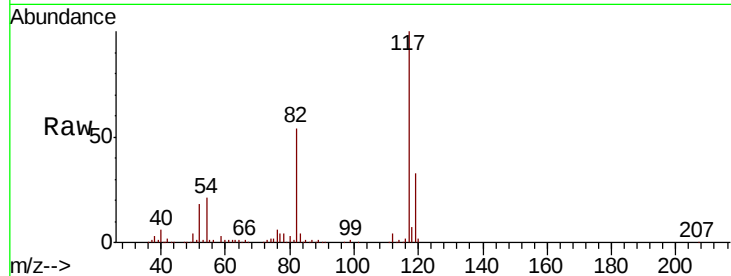




#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 9.09 min Scan# 2645
Delta R.T. 0.00 min
Lab File: VU025785.D
Acq: 01 Aug 2018 18:39

Instrument :
MSVOA_U
ClientSampleId :
GW-03MSD

Tot Ion	Ratio	Lower	Upper
117	100		
82	54.3	46.0	69.0
119	33.0	26.0	39.0

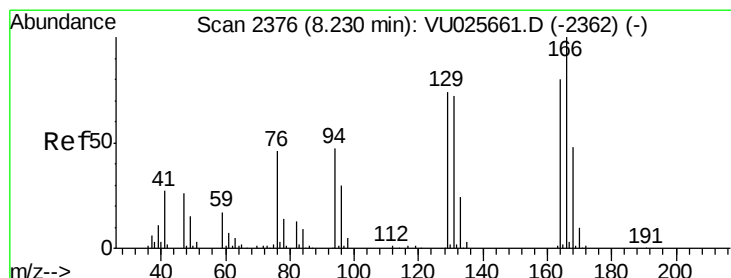
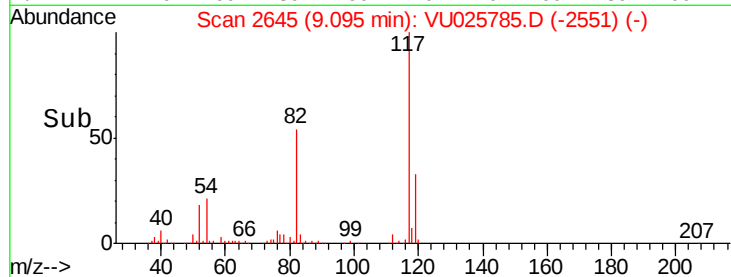
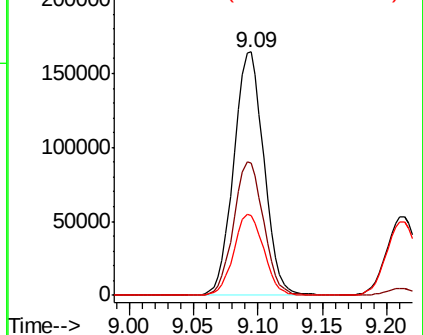


Abundance

Ion 116.90 (116.60 to 117.60): V

Ion 82.00 (81.70 to 82.70): V

Ion 118.90 (118.60 to 119.60): V



#64
Tetrachloroethene
Concen: 48.04 ug/l
RT: 8.23 min Scan# 2376
Delta R.T. 0.00 min
Lab File: VU025785.D
Acq: 01 Aug 2018 18:39

Tgt Ion	Ratio	Lower	Upper
164	100		
166	125.2	101.1	151.7
129	91.8	73.0	109.6
131	89.7	72.1	108.1

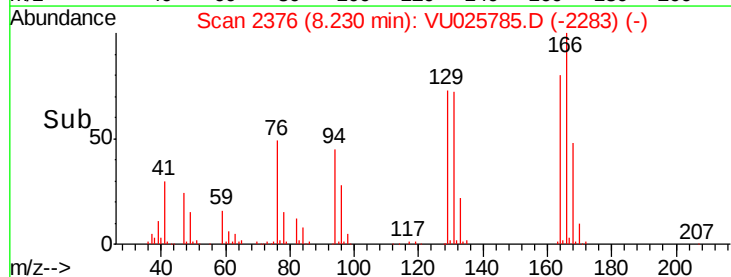
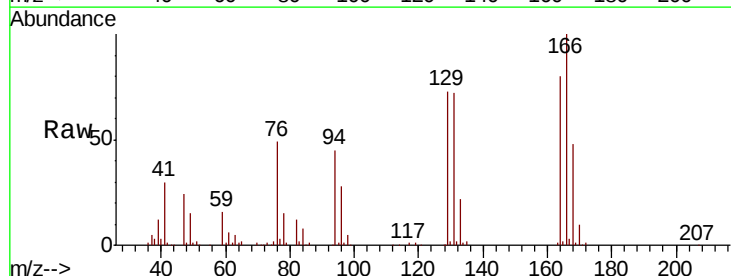
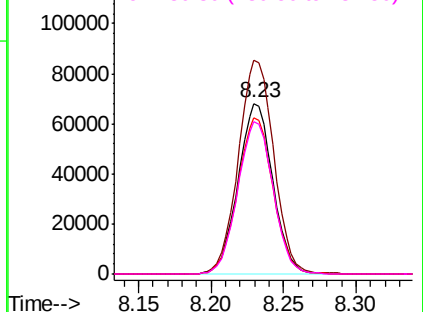
Abundance

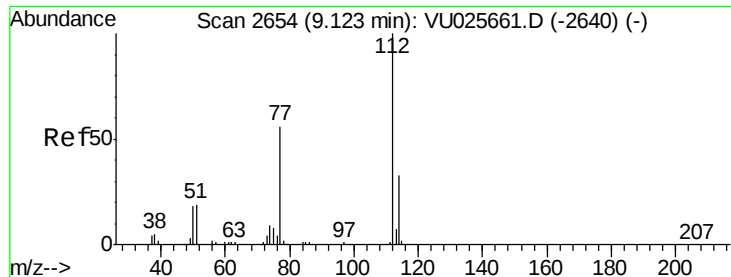
Ion 163.80 (163.50 to 164.50): V

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

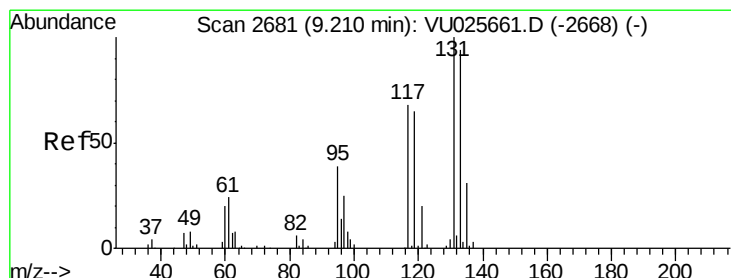
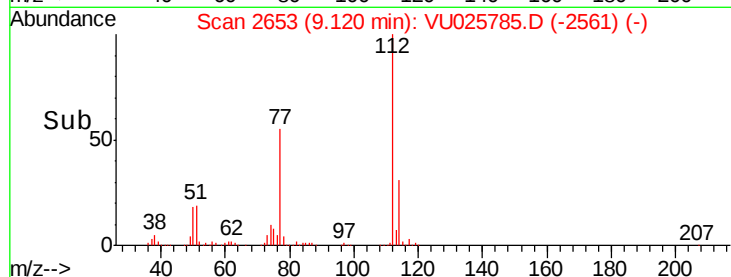
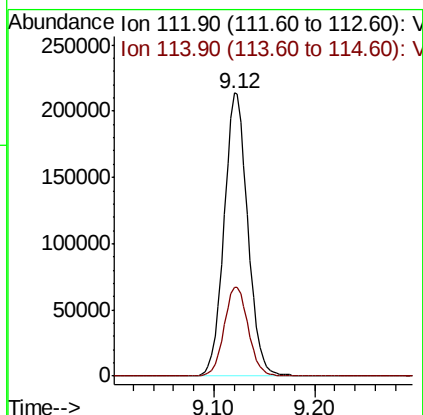
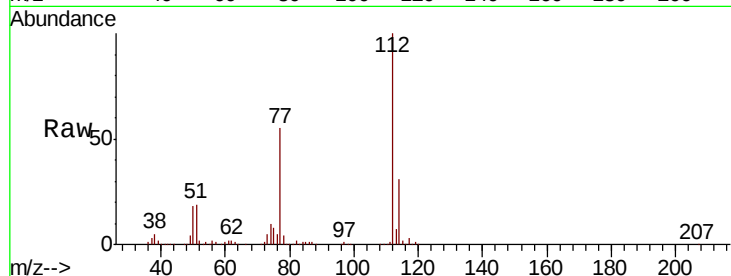




#65
Chlorobenzene
Concen: 50.71 ug/l
RT: 9.12 min Scan# 2653
Delta R.T. -0.00 min
Lab File: VU025785.D
Acq: 01 Aug 2018 18:39

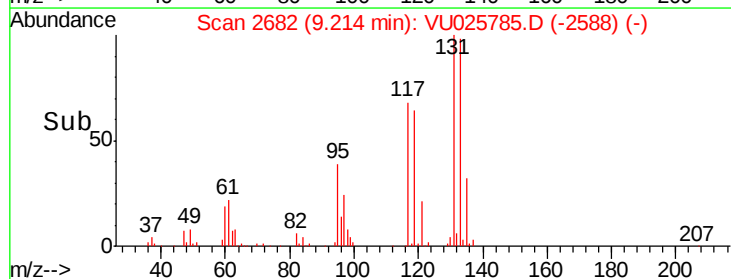
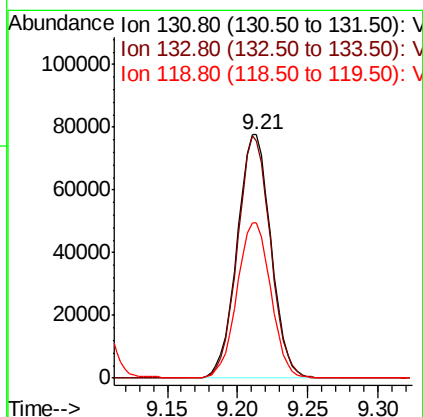
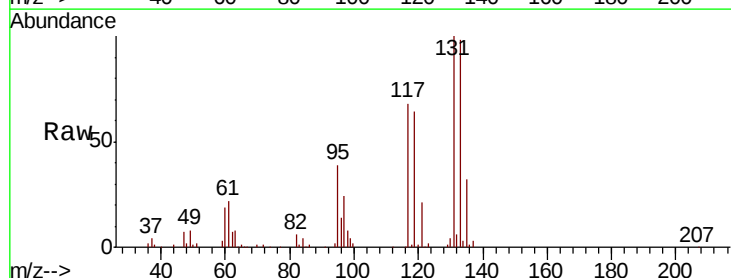
Instrument :
MSVOA_U
ClientSampleId :
GW-03MSD

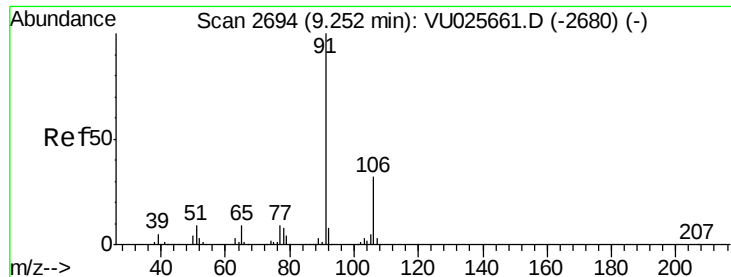
Tot Ion:112 Resp: 350360
Ion Ratio Lower Upper
112 100
114 31.4 25.8 38.8



#66
1,1,1,2-Tetrachloroethane
Concen: 52.36 ug/l
RT: 9.21 min Scan# 2682
Delta R.T. 0.00 min
Lab File: VU025785.D
Acq: 01 Aug 2018 18:39

Tgt Ion:131 Resp: 130869
Ion Ratio Lower Upper
131 100
133 96.9 47.8 143.3
119 63.7 31.6 95.0

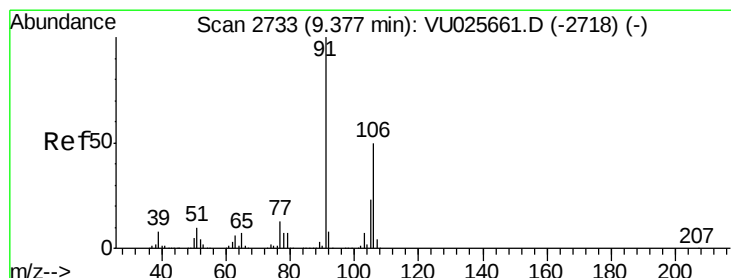
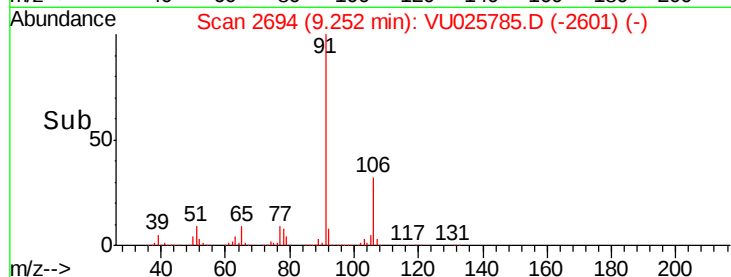
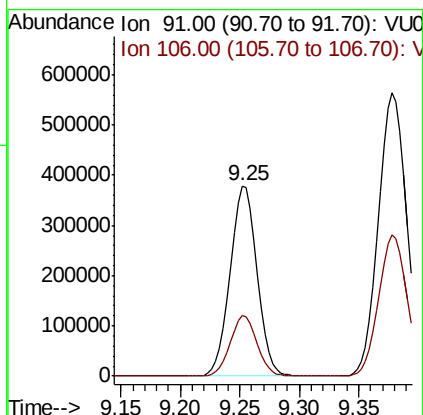
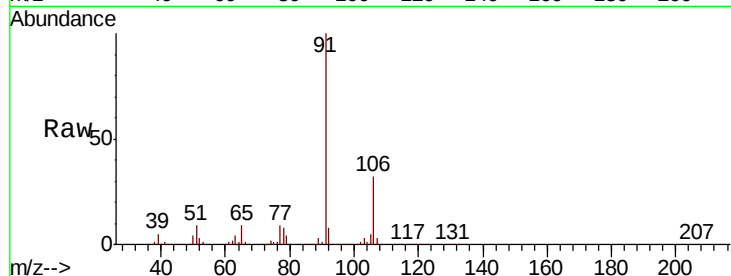




#67
Ethyl Benzene
Concen: 52.01 ug/l
RT: 9.25 min Scan# 2694
Delta R.T. 0.00 min
Lab File: VU025785.D
Acq: 01 Aug 2018 18:39

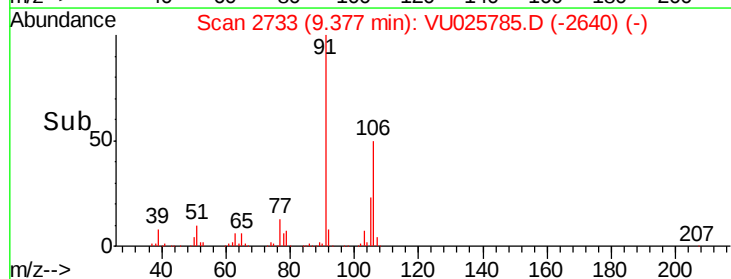
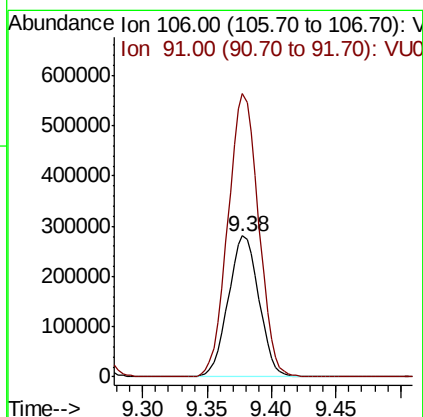
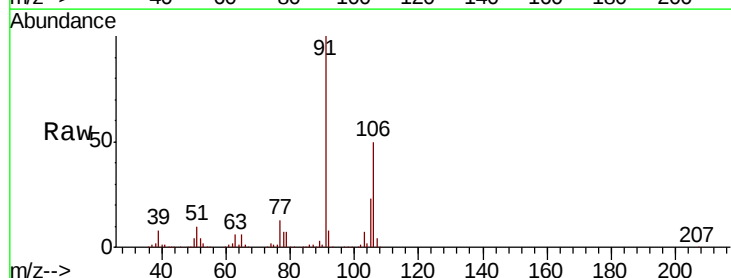
Instrument :
MSVOA_U
ClientSampleId :
GW-03MSD

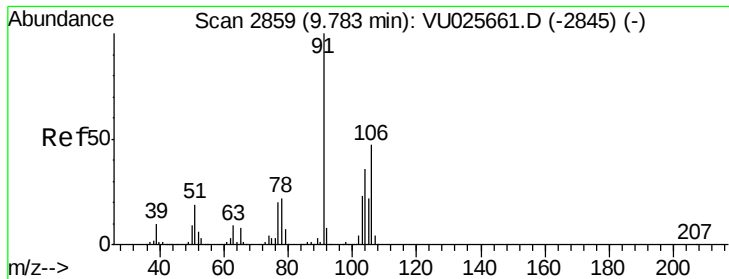
Tot Ion: 91 Resp: 595262
Ion Ratio Lower Upper
91 100
106 31.6 25.3 37.9



#68
m/p-Xylenes
Concen: 105.25 ug/l
RT: 9.38 min Scan# 2733
Delta R.T. 0.00 min
Lab File: VU025785.D
Acq: 01 Aug 2018 18:39

Tgt Ion: 106 Resp: 462445
Ion Ratio Lower Upper
106 100
91 201.2 162.3 243.5

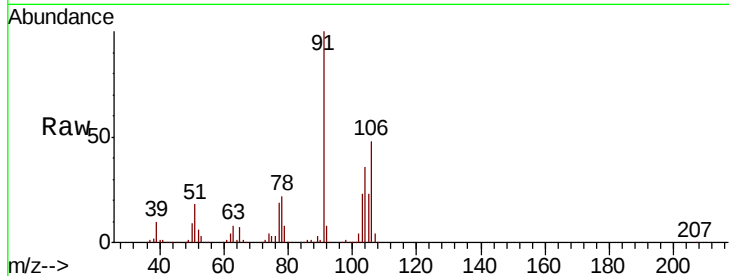




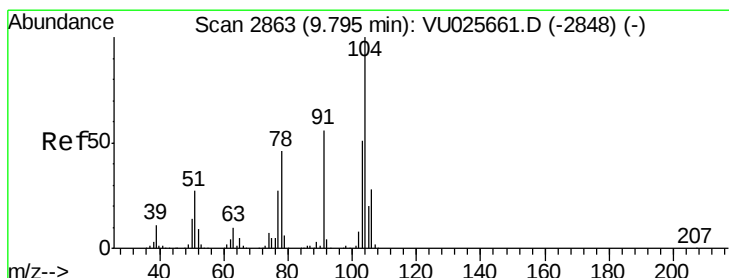
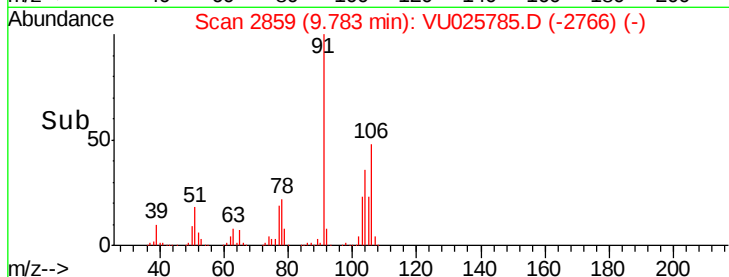
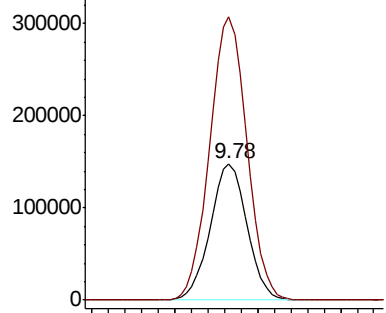
#69
o-Xylene
Concen: 53.04 ug/l
RT: 9.78 min Scan# 2859
Delta R.T. 0.00 min
Lab File: VU025785.D
Acq: 01 Aug 2018 18:39

Instrument :
MSVOA_U
ClientSampled :
GW-03MSD

Tot Ion:106 Resp: 227782
Ion Ratio Lower Upper
106 100
91 211.1 105.3 315.8

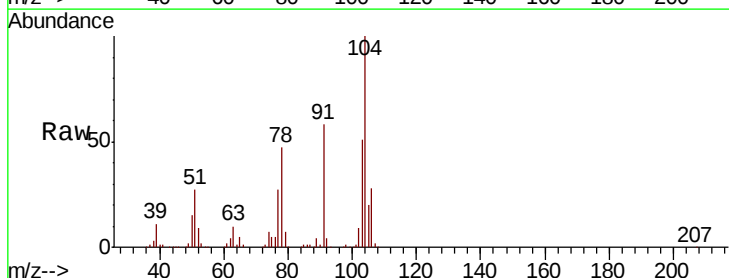


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VU0

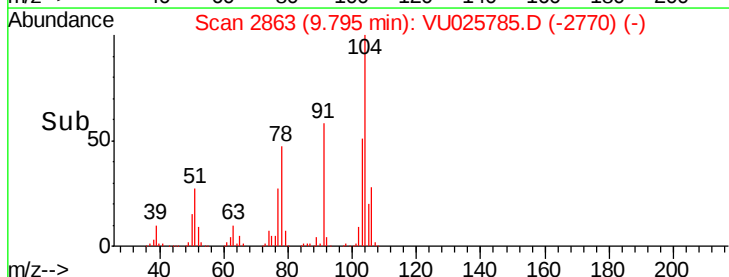
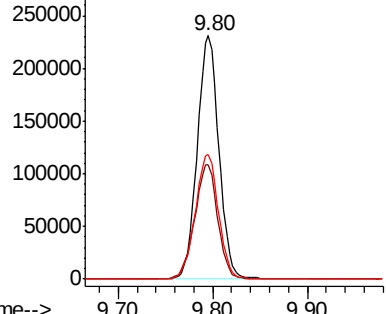


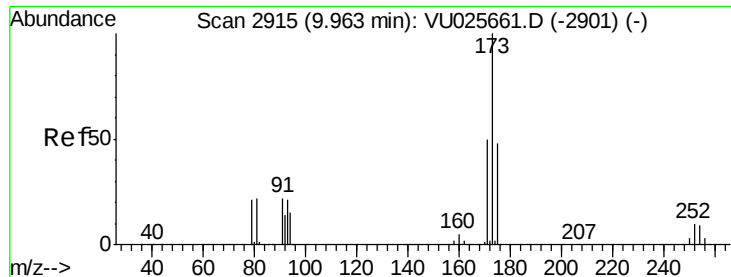
#70
Styrene
Concen: 52.91 ug/l
RT: 9.80 min Scan# 2863
Delta R.T. 0.00 min
Lab File: VU025785.D
Acq: 01 Aug 2018 18:39

Tgt Ion:104 Resp: 366979
Ion Ratio Lower Upper
104 100
78 50.1 41.6 62.4
103 55.0 44.6 66.8



Abundance Ion 104.00 (103.70 to 104.70): V
Ion 78.00 (77.70 to 78.70): VU0
Ion 103.00 (102.70 to 103.70): V





#71

Bromoform

Concen: 54.94 ug/l

RT: 9.96 min Scan# 2915

Delta R.T. 0.00 min

Lab File: VU025785.D

Acq: 01 Aug 2018 18:39

Instrument :
MSVOA_U
ClientSampleId :
GW-03MSD

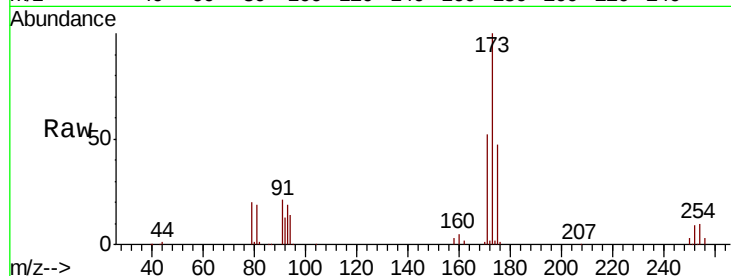
Tot Ion:173 Resp: 119063

Ion Ratio Lower Upper

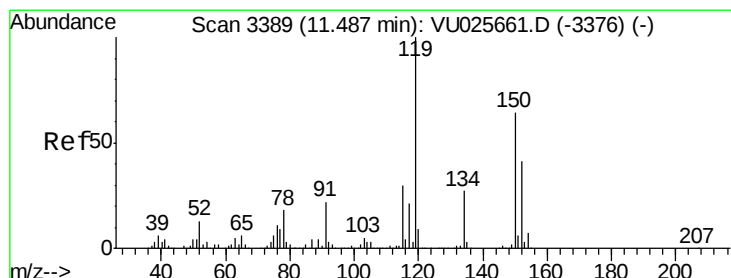
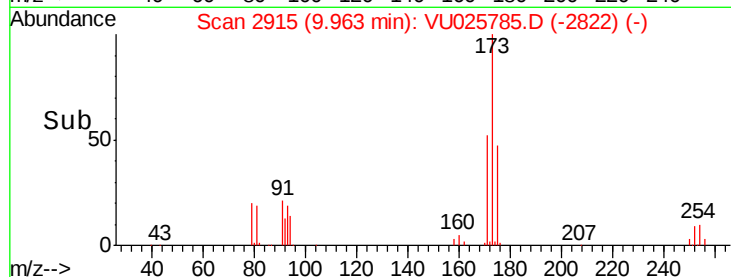
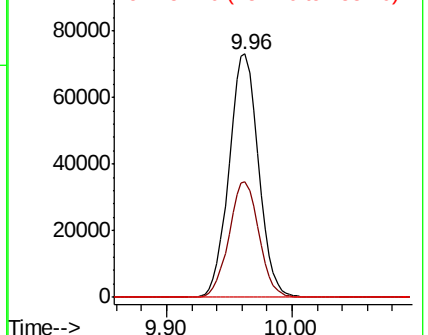
173 100

175 48.1 24.0 72.0

254 0.1 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: VU025785.D

Acq: 01 Aug 2018 18:39

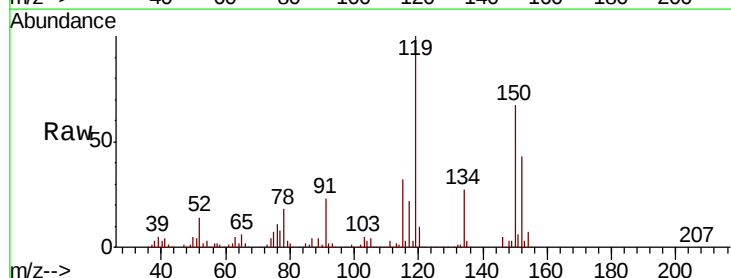
Tgt Ion:152 Resp: 170079

Ion Ratio Lower Upper

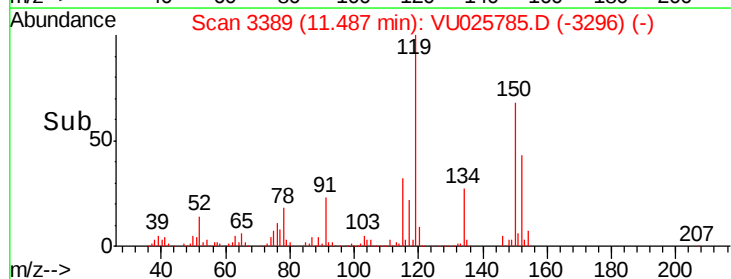
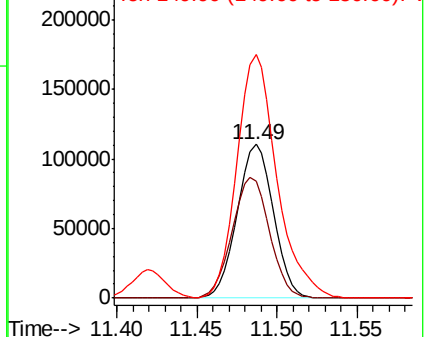
152 100

115 81.0 40.1 120.3

150 175.4 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: 51.94 ug/l

RT: 10.17 min Scan# 2979

Delta R.T. 0.00 min

Lab File: VU025785.D

Acq: 01 Aug 2018 18:39

Instrument :

MSVOA_U

ClientSampleId :

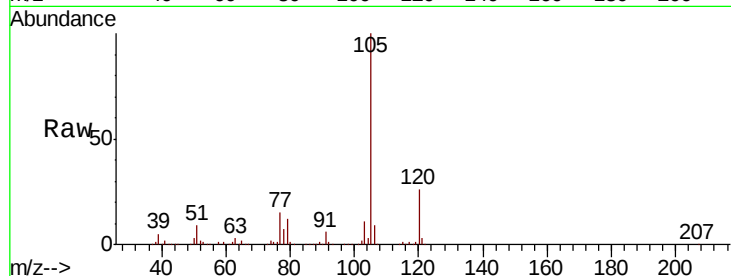
GW-03MSD

Tot Ion:105 Resp: 602886

Ion Ratio Lower Upper

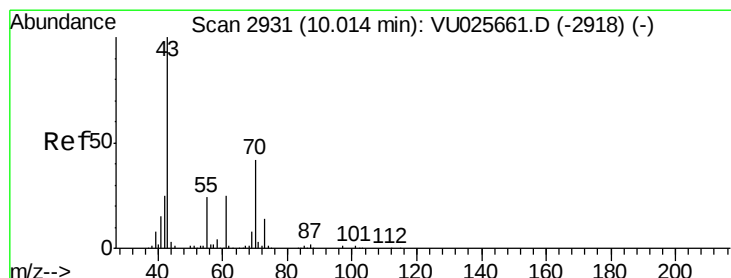
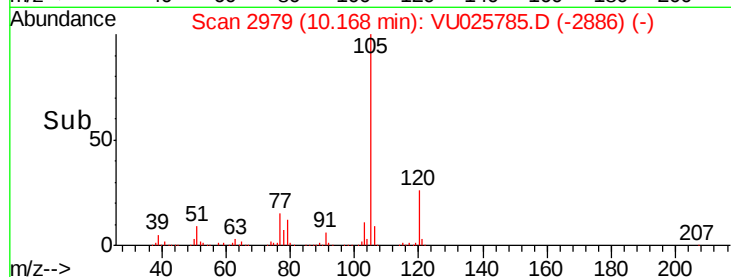
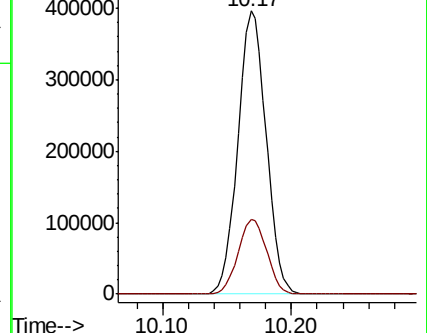
105 100

120 26.9 13.5 40.5



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 52.74 ug/l

RT: 10.01 min Scan# 2931

Delta R.T. 0.00 min

Lab File: VU025785.D

Acq: 01 Aug 2018 18:39

Tgt Ion: 43 Resp: 249919

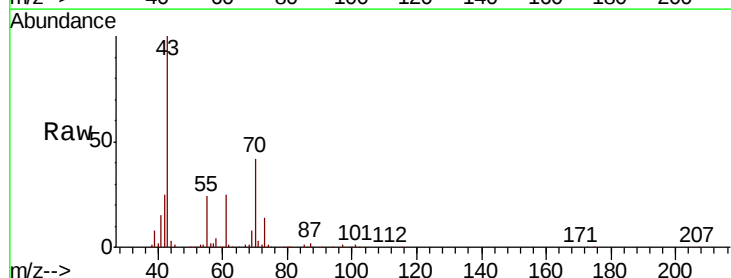
Ion Ratio Lower Upper

43 100

70 42.2 33.4 50.2

55 24.0 19.0 28.6

61 24.7 19.3 28.9

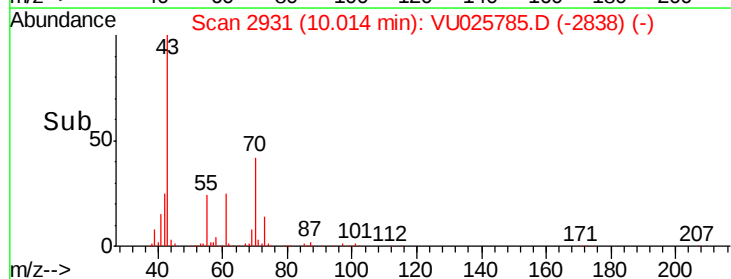
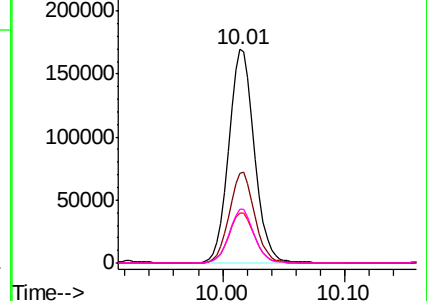


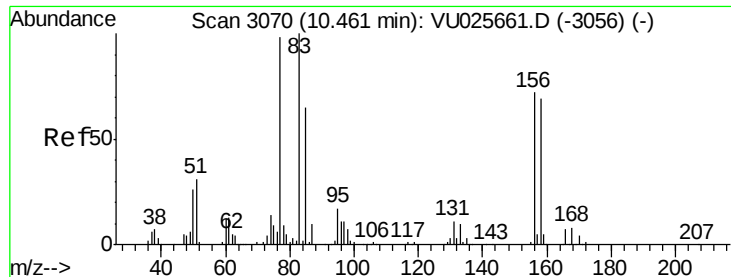
Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 70.00 (69.70 to 70.70): VU0

Ion 55.00 (54.70 to 55.70): VU0

Ion 61.00 (60.70 to 61.70): VU0





#75

1,1,2,2-Tetrachloroethane

Concen: 51.48 ug/l

RT: 10.46 min Scan# 3070

Delta R.T. 0.00 min

Lab File: VU025785.D

Acq: 01 Aug 2018 18:39

Instrument :

MSVOA_U

ClientSampleId :

GW-03MSD

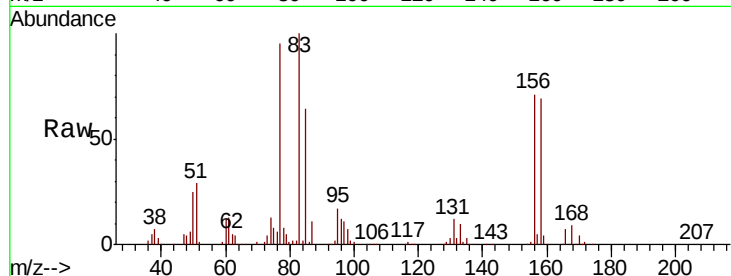
Tot Ion: 83 Resp: 206674

Ion Ratio Lower Upper

83 100

131 11.0 5.5 16.4

85 64.9 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) (-)

10.46

150000

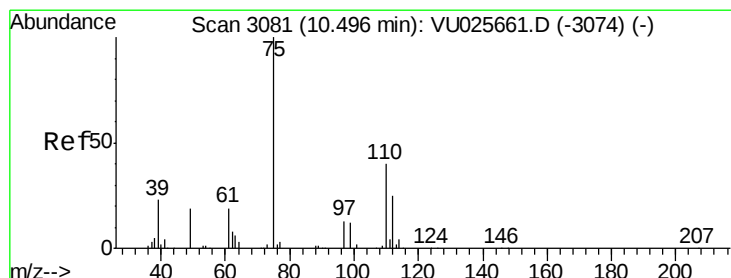
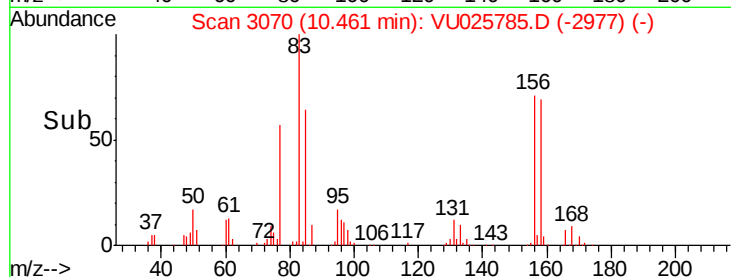
100000

50000

0

10.40 10.50

Time-->



#76

1,2,3-Trichloropropane

Concen: 61.19 ug/l

RT: 10.50 min Scan# 3081

Delta R.T. 0.00 min

Lab File: VU025785.D

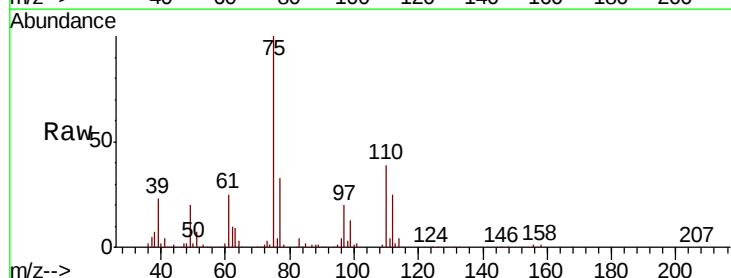
Acq: 01 Aug 2018 18:39

Tgt Ion: 75 Resp: 229310

Ion Ratio Lower Upper

75 100

77 31.6 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) (-)

10.50

150000

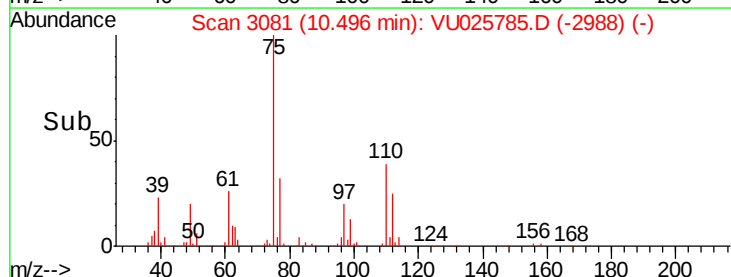
100000

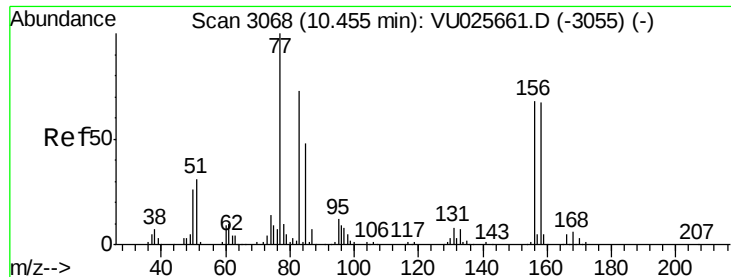
50000

0

10.45 10.50 10.55

Time-->





#77

Bromobenzene

Concen: 51.15 ug/l

RT: 10.45 min Scan# 3068

Delta R.T. 0.00 min

Lab File: VU025785.D

Acq: 01 Aug 2018 18:39

Instrument :

MSVOA_U

ClientSampleId :

GW-03MSD

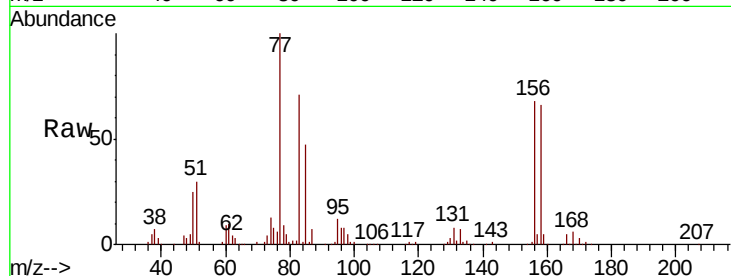
Tot Ion:156 Resp: 163778

Ion Ratio Lower Upper

156 100

77 143.6 73.8 221.4

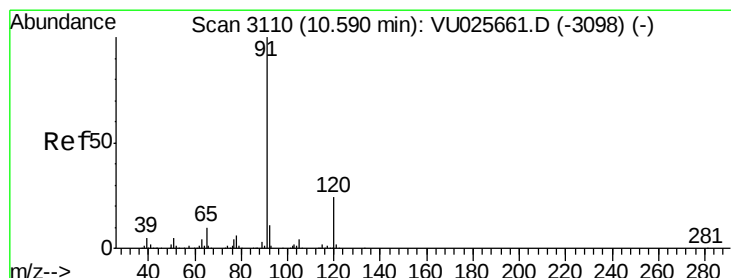
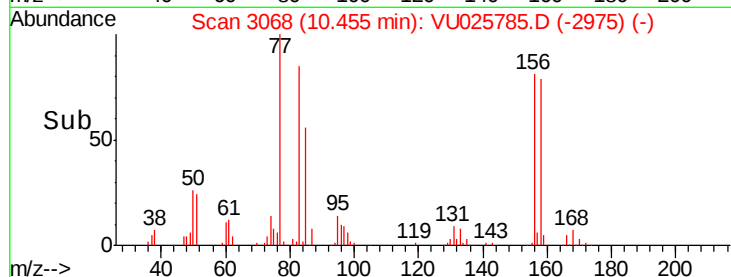
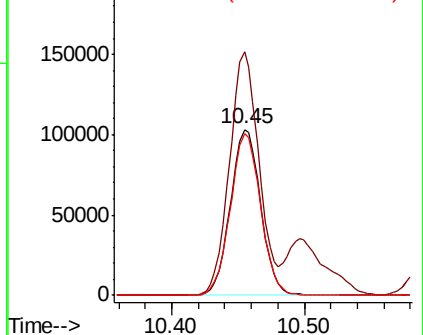
158 97.5 48.0 144.0



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VU0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 51.56 ug/l

RT: 10.59 min Scan# 3110

Delta R.T. 0.00 min

Lab File: VU025785.D

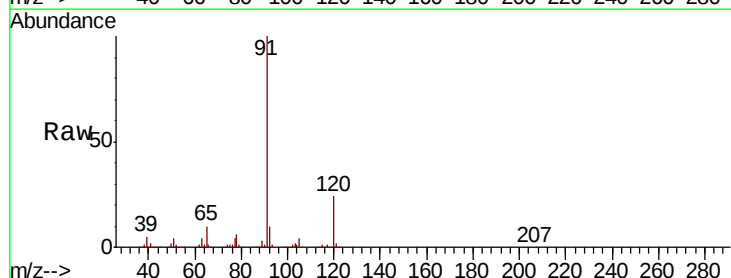
Acq: 01 Aug 2018 18:39

Tgt Ion: 91 Resp: 698606

Ion Ratio Lower Upper

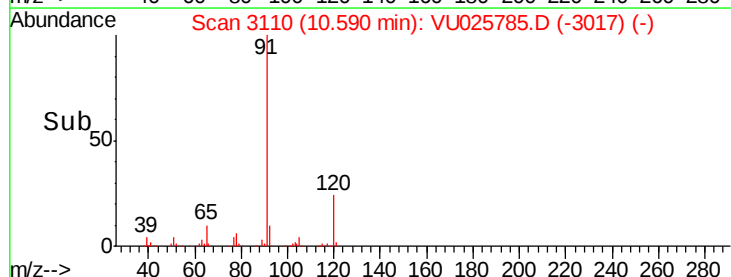
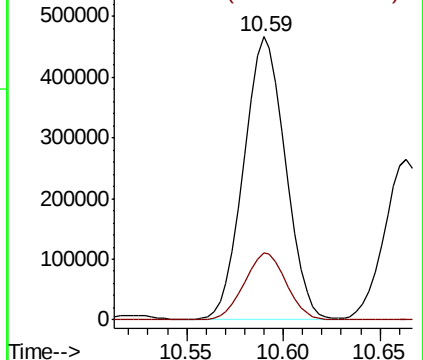
91 100

120 23.8 11.8 35.3



Abundance Ion 91.00 (90.70 to 91.70): VU0

Ion 120.00 (119.70 to 120.70): V

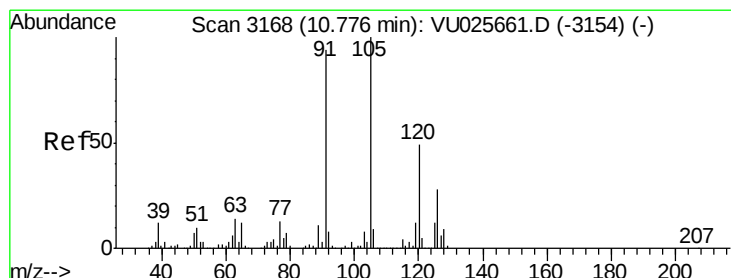
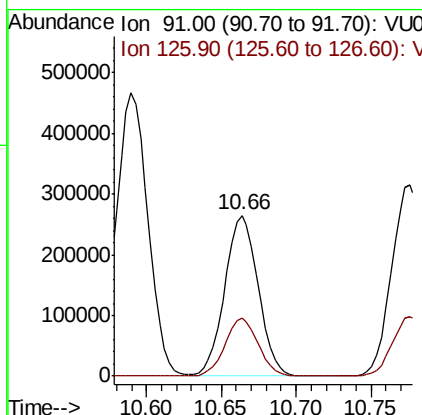
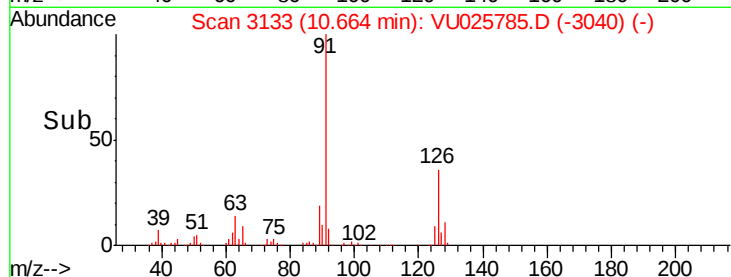
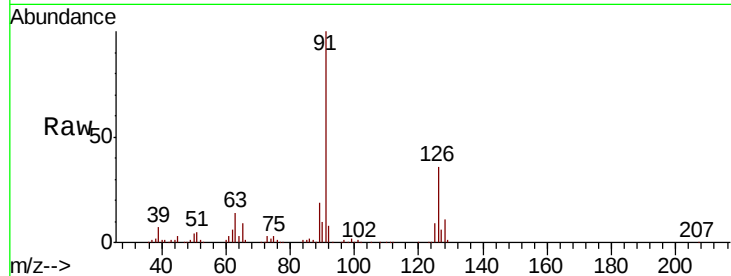




#79
 2-Chlorotoluene
 Concen: 51.84 ug/l
 RT: 10.66 min Scan# 3133
 Delta R.T. 0.00 min
 Lab File: VU025785.D
 Acq: 01 Aug 2018 18:39

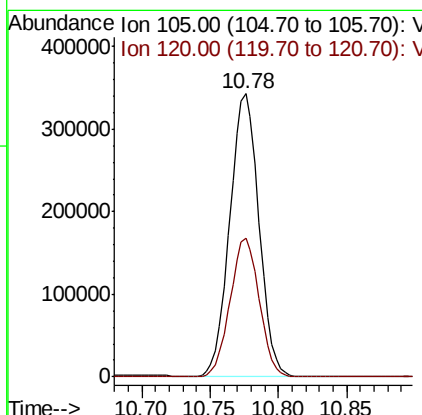
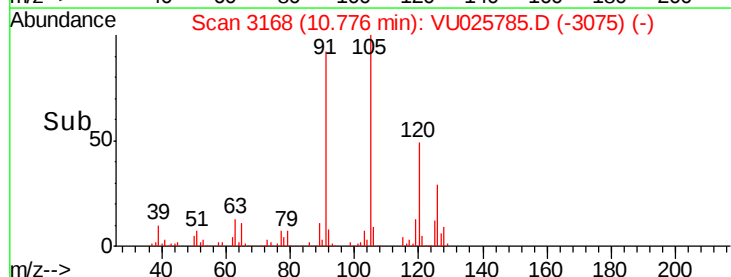
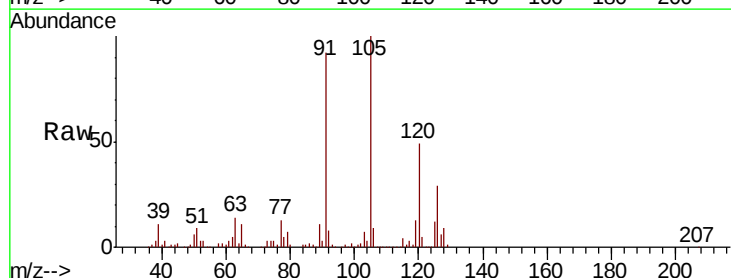
Instrument :
 MSVOA_U
 ClientSampleId :
 GW-03MSD

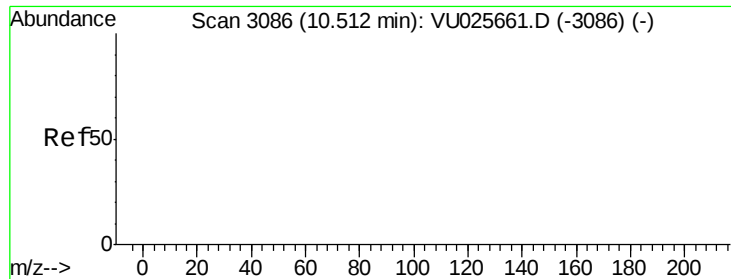
Tot Ion: 91 Resp: 411415
 Ion Ratio Lower Upper
 91 100
 126 35.8 17.5 52.6



#80
 1,3,5-Trimethylbenzene
 Concen: 51.56 ug/l
 RT: 10.78 min Scan# 3168
 Delta R.T. 0.00 min
 Lab File: VU025785.D
 Acq: 01 Aug 2018 18:39

Tgt Ion: 105 Resp: 508307
 Ion Ratio Lower Upper
 105 100
 120 49.0 24.1 72.2

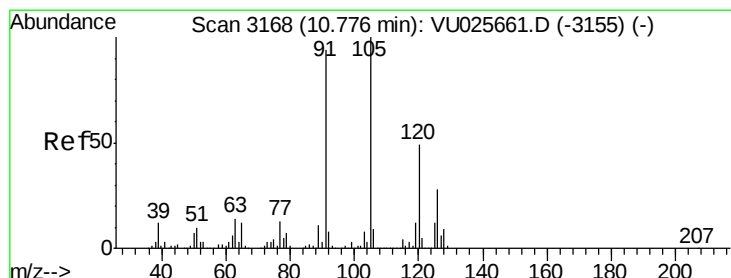
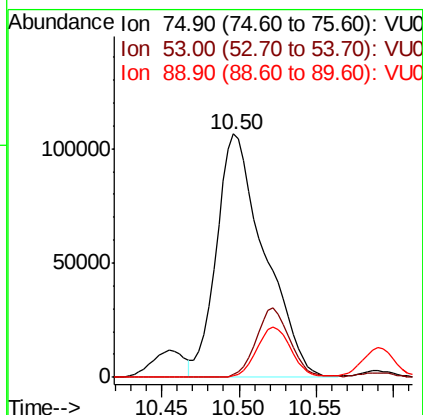
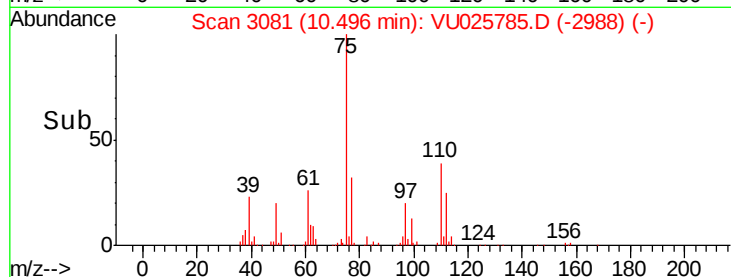
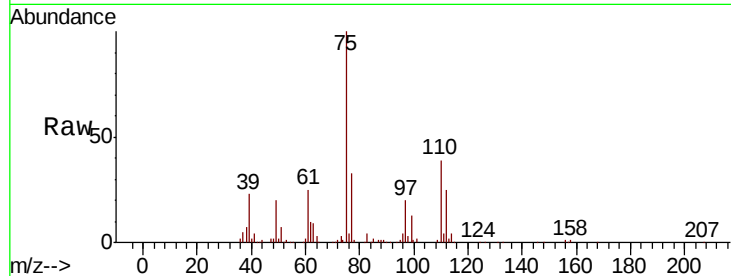




#81
trans-1,4-Dichloro-2-butene
Concen: 153.44 ug/l
RT: 10.50 min Scan# 3081
Delta R.T. 0.00 min
Lab File: VU025785.D
Acq: 01 Aug 2018 18:39

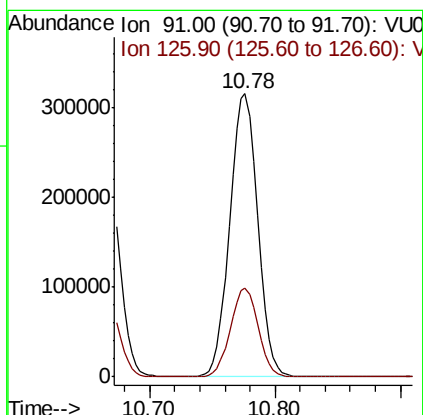
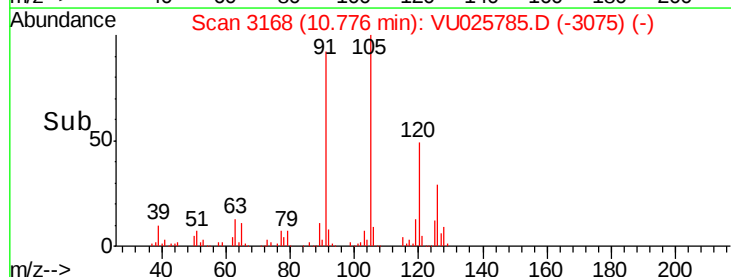
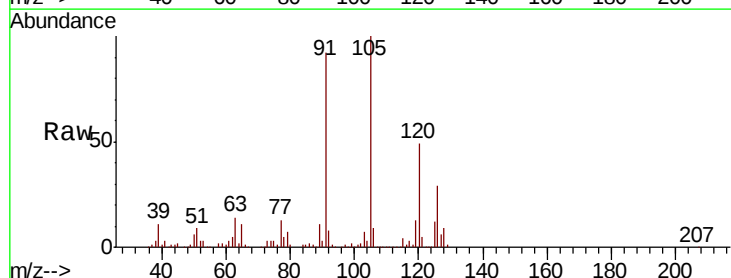
Instrument :
MSVOA_U
ClientSampleId :
GW-03MSD

Tot Ion: 75 Resp: 229310
Ion Ratio Lower Upper
75 100
53 0.0 0.0 0.0
89 0.0 0.0 0.0



#82
4-Chlorotoluene
Concen: 51.96 ug/l
RT: 10.78 min Scan# 3168
Delta R.T. 0.00 min
Lab File: VU025785.D
Acq: 01 Aug 2018 18:39

Tgt Ion: 91 Resp: 486080
Ion Ratio Lower Upper
91 100
126 31.3 15.3 45.9

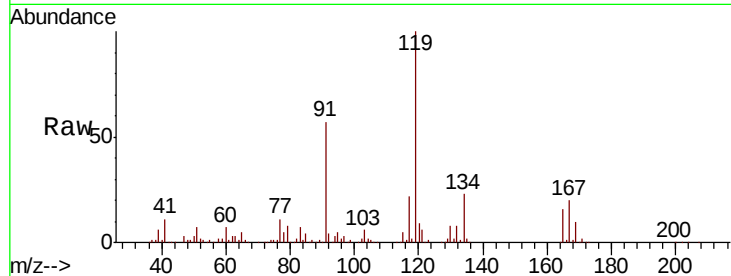




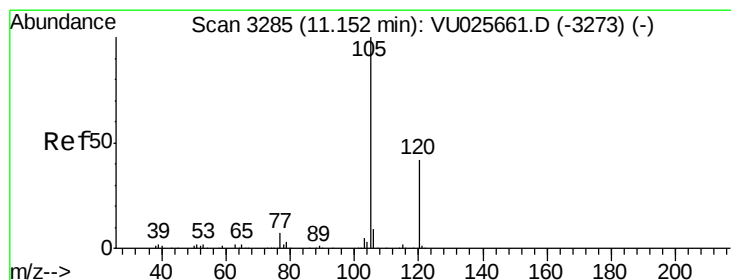
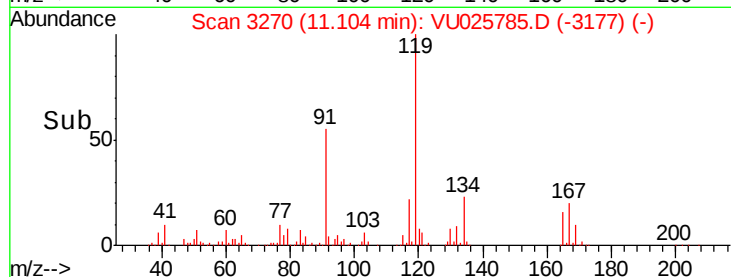
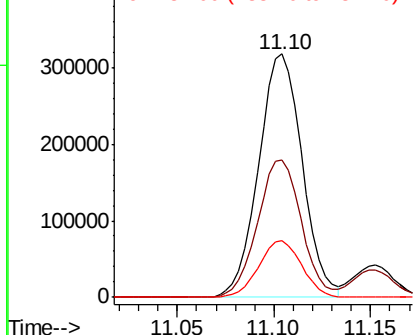
#83
 tert-Butylbenzene
 Concen: 51.12 ug/l
 RT: 11.10 min Scan# 3270
 Delta R.T. 0.00 min
 Lab File: VU025785.D
 Acq: 01 Aug 2018 18:39

Instrument :
 MSVOA_U
 ClientSampleId :
 GW-03MSD

Tot Ion:119 Resp: 500752
 Ion Ratio Lower Upper
 119 100
 91 56.3 29.7 89.1
 134 23.1 11.5 34.5

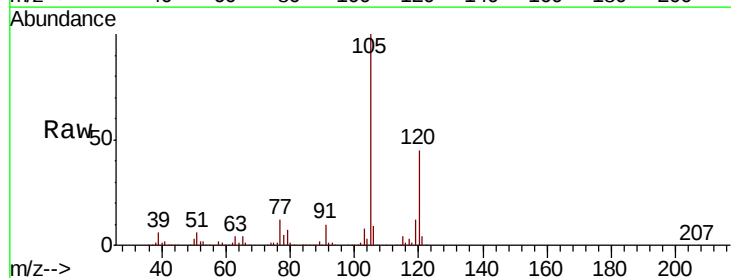


Abundance Ion 119.00 (118.70 to 119.70): V
 Ion 91.00 (90.70 to 91.70): VU0
 Ion 134.00 (133.70 to 134.70): V

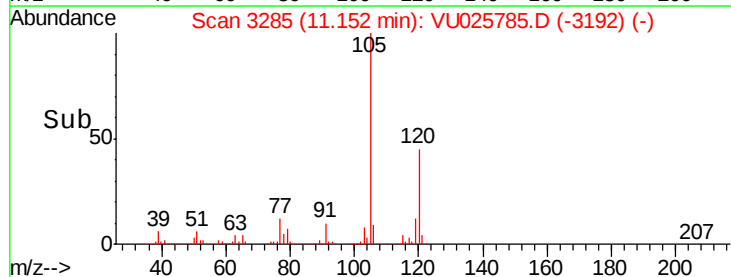
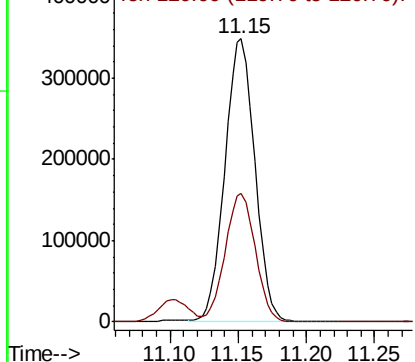


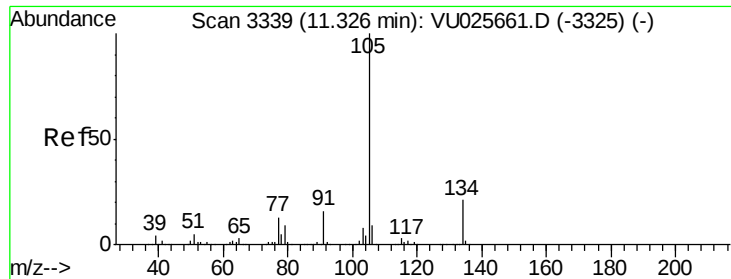
#84
 1,2,4-Trimethylbenzene
 Concen: 53.21 ug/l
 RT: 11.15 min Scan# 3285
 Delta R.T. 0.00 min
 Lab File: VU025785.D
 Acq: 01 Aug 2018 18:39

Tgt Ion:105 Resp: 531625
 Ion Ratio Lower Upper
 105 100
 120 45.4 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: 49.48 ug/l

RT: 11.33 min Scan# 3339

Delta R.T. 0.00 min

Lab File: VU025785.D

Acq: 01 Aug 2018 18:39

Instrument :

MSVOA_U

ClientSampleId :

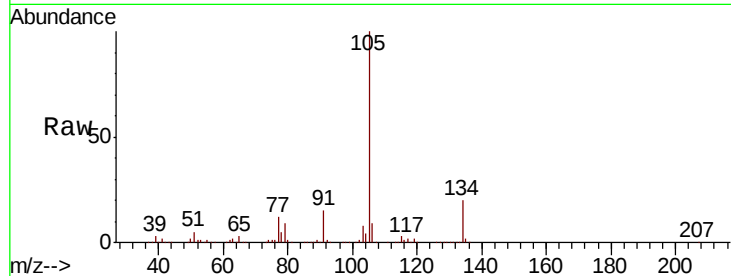
GW-03MSD

Tot Ion:105 Resp: 591695

Ion Ratio Lower Upper

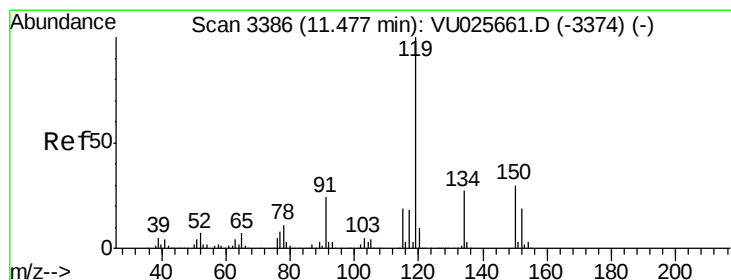
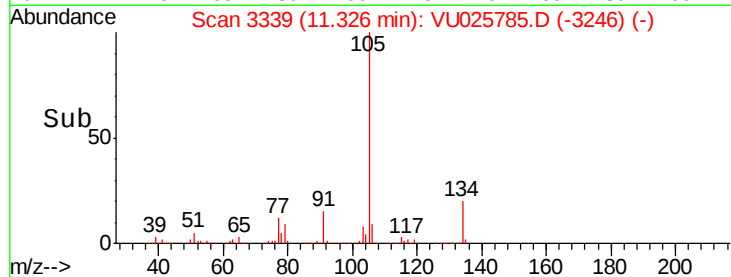
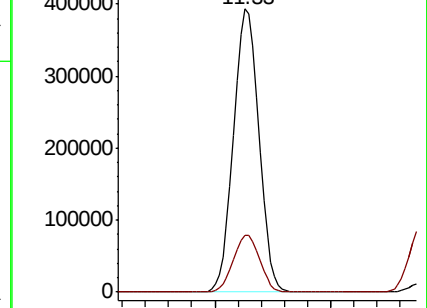
105 100

134 20.8 10.3 30.8



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 50.26 ug/l

RT: 11.48 min Scan# 3386

Delta R.T. 0.00 min

Lab File: VU025785.D

Acq: 01 Aug 2018 18:39

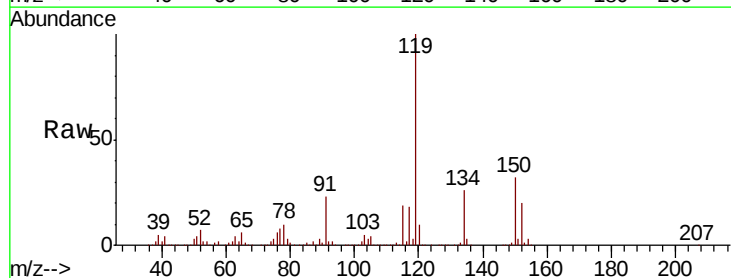
Tgt Ion:119 Resp: 538190

Ion Ratio Lower Upper

119 100

134 26.5 13.2 39.5

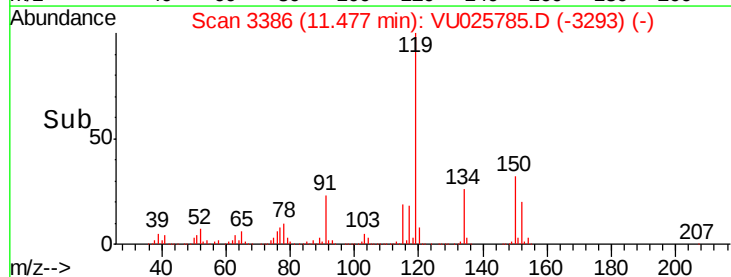
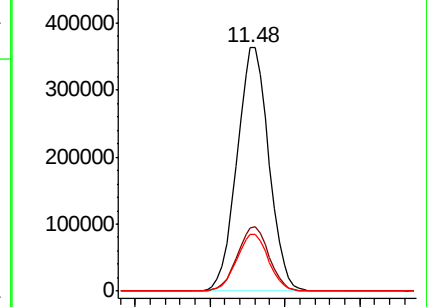
91 23.4 12.0 36.1

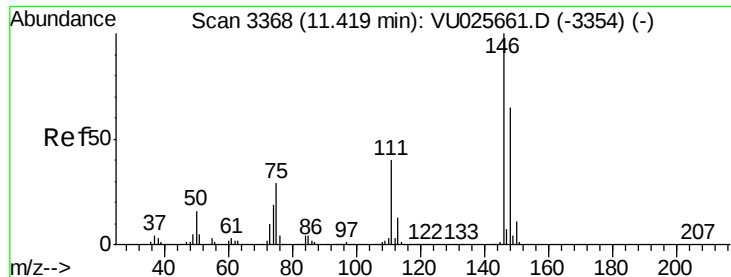


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): VU0





#87

1,3-Dichlorobenzene

Concen: 51.09 ug/l

RT: 11.42 min Scan# 3368

Delta R.T. 0.00 min

Lab File: VU025785.D

Acq: 01 Aug 2018 18:39

Instrument :

MSVOA_U

ClientSampled :

GW-03MSD

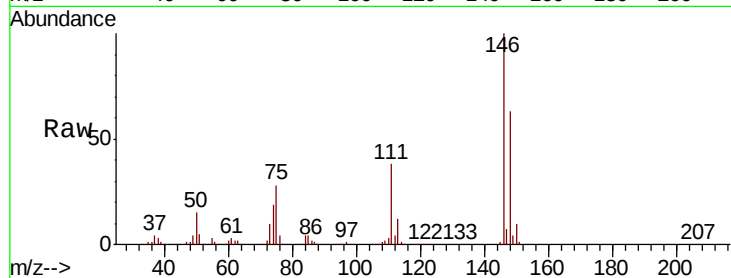
Tot Ion:146 Resp: 303650

Ion Ratio Lower Upper

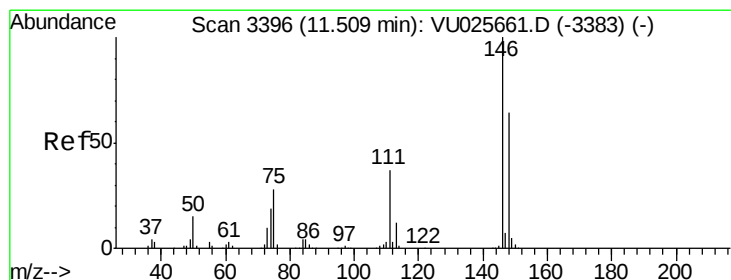
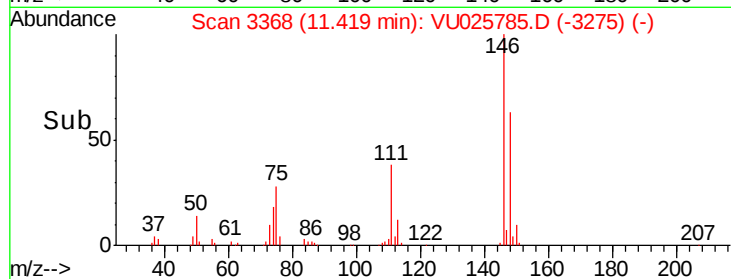
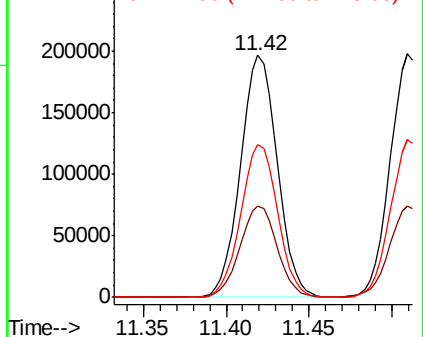
146 100

111 38.3 19.7 59.1

148 63.2 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: 49.47 ug/l

RT: 11.51 min Scan# 3396

Delta R.T. 0.00 min

Lab File: VU025785.D

Acq: 01 Aug 2018 18:39

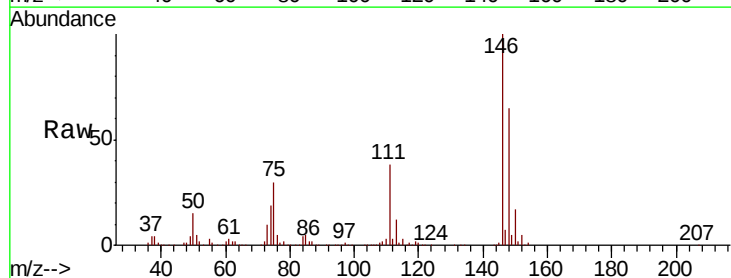
Tgt Ion:146 Resp: 306484

Ion Ratio Lower Upper

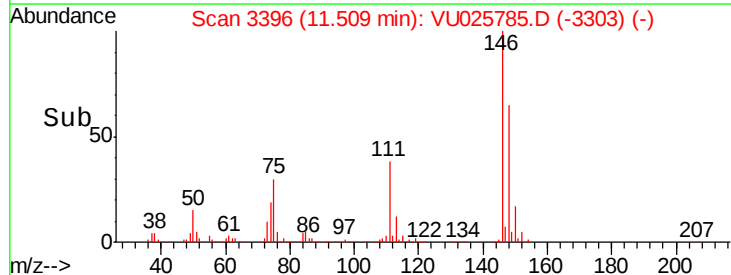
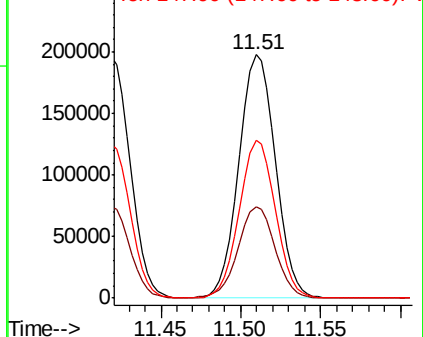
146 100

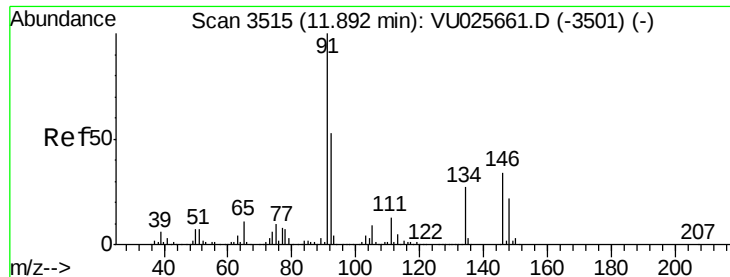
111 38.1 19.4 58.1

148 64.3 31.7 95.1



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

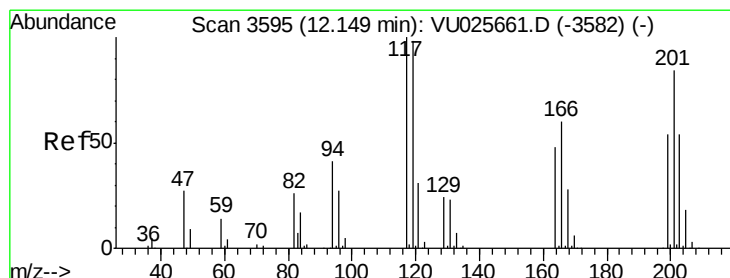
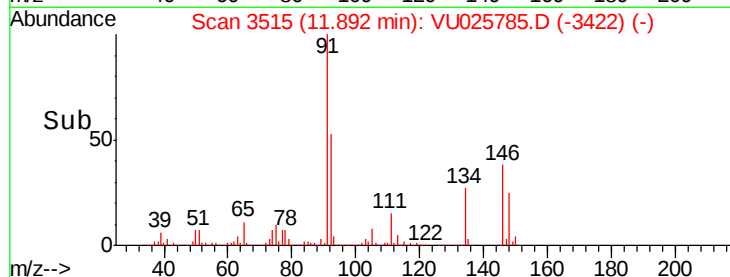
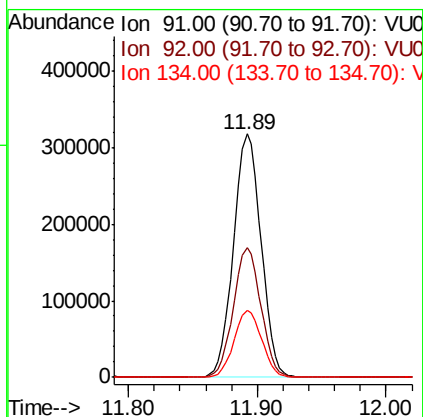
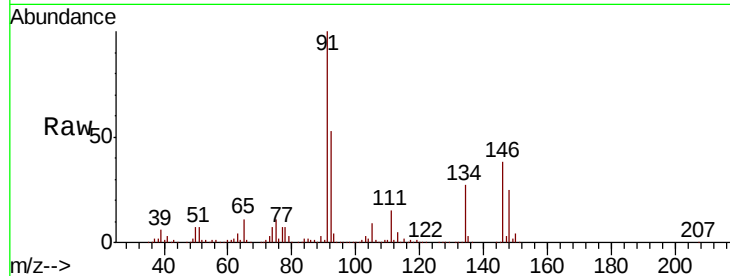




#89
n-Butylbenzene
Concen: 47.90 ug/l
RT: 11.89 min Scan# 3515
Delta R.T. 0.00 min
Lab File: VU025785.D
Acq: 01 Aug 2018 18:39

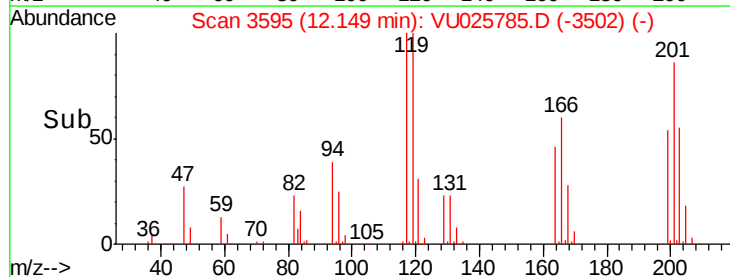
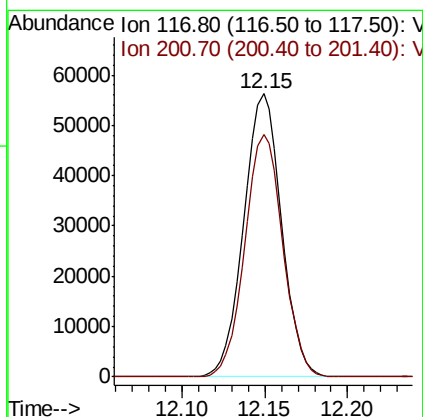
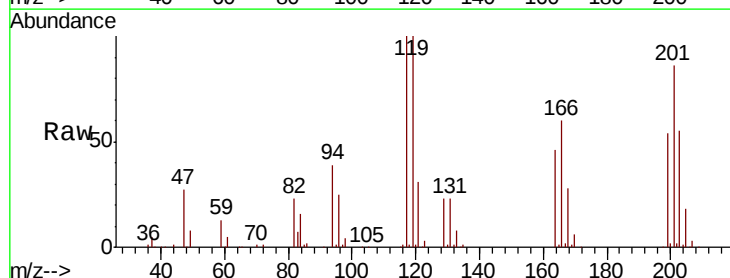
Instrument :
MSVOA_U
ClientSampleId :
GW-03MSD

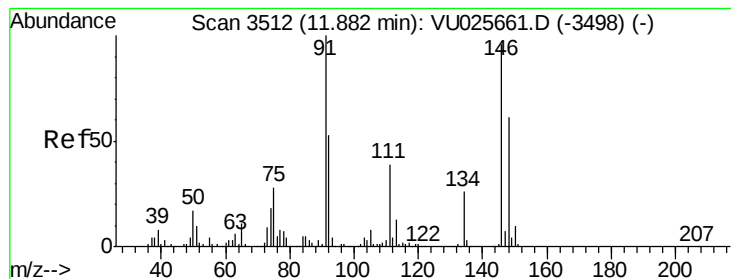
Tot Ion: 91 Resp: 473303
Ion Ratio Lower Upper
91 100
92 53.0 26.5 79.5
134 27.4 13.6 40.7



#90
Hexachloroethane
Concen: 46.83 ug/l
RT: 12.15 min Scan# 3595
Delta R.T. 0.00 min
Lab File: VU025785.D
Acq: 01 Aug 2018 18:39

Tgt Ion: 117 Resp: 89157
Ion Ratio Lower Upper
117 100
201 86.0 42.5 127.6





#91

1,2-Dichlorobenzene

Concen: 51.00 ug/l

RT: 11.88 min Scan# 3512

Delta R.T. 0.00 min

Lab File: VU025785.D

Acq: 01 Aug 2018 18:39

Instrument :

MSVOA_U

ClientSampleId :

GW-03MSD

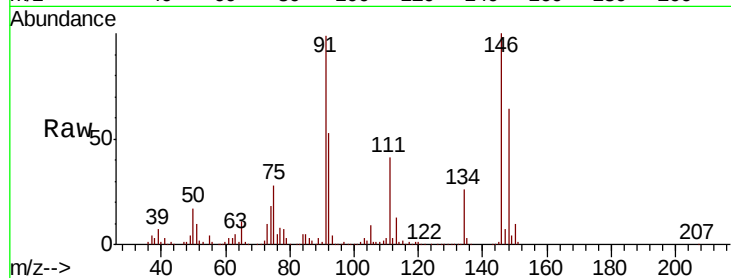
Tot Ion:146 Resp: 297126

Ion Ratio Lower Upper

146 100

111 40.6 20.6 61.8

148 64.4 31.5 94.5

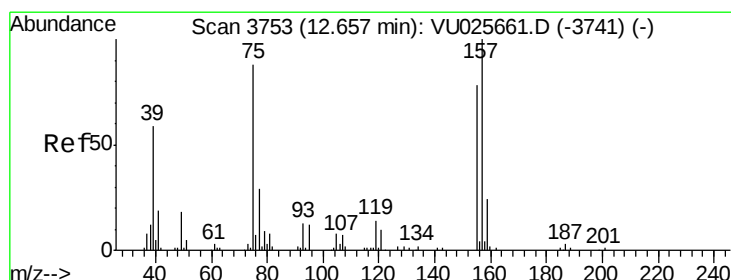
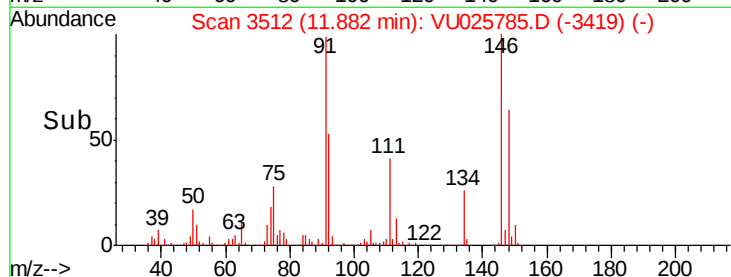
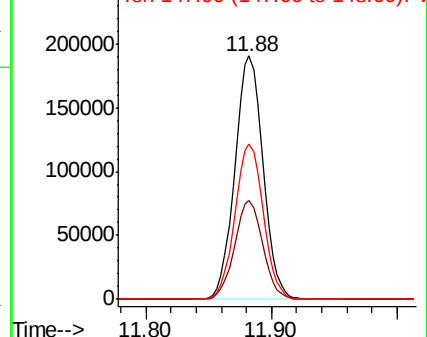


Abundance

Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#92

1,2-Dibromo-3-Chloropropane

Concen: 56.03 ug/l

RT: 12.66 min Scan# 3753

Delta R.T. 0.00 min

Lab File: VU025785.D

Acq: 01 Aug 2018 18:39

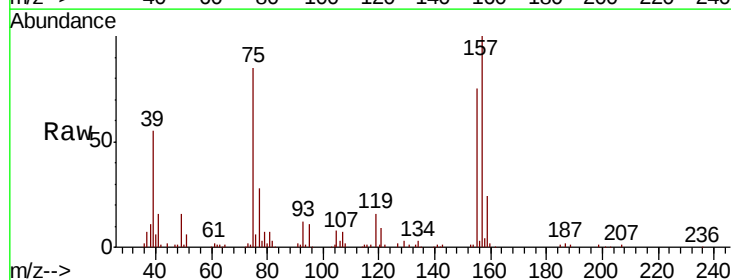
Tgt Ion: 75 Resp: 53319

Ion Ratio Lower Upper

75 100

155 89.3 44.5 133.3

157 117.4 57.0 170.8

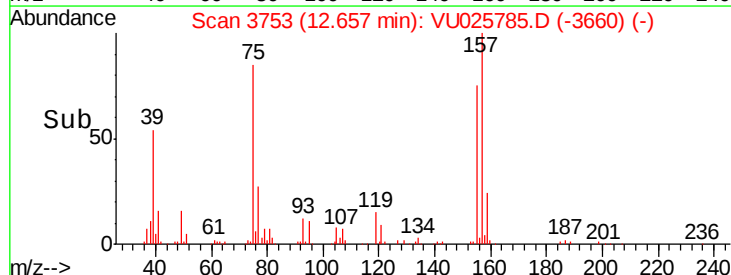
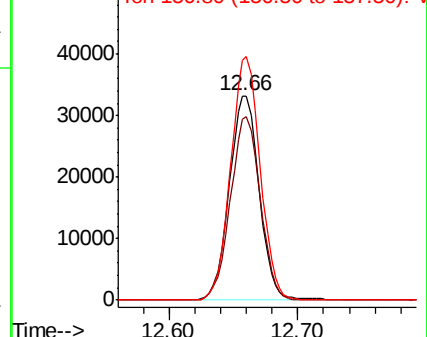


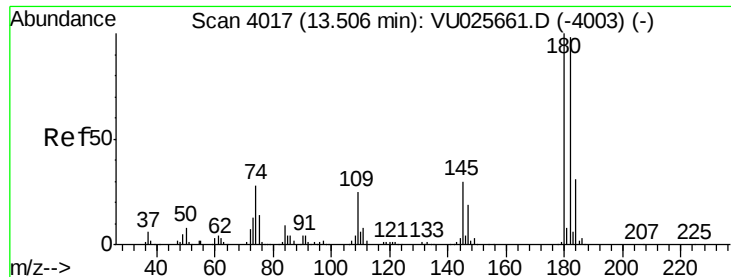
Abundance

Ion 74.90 (74.60 to 75.60): VU0

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V

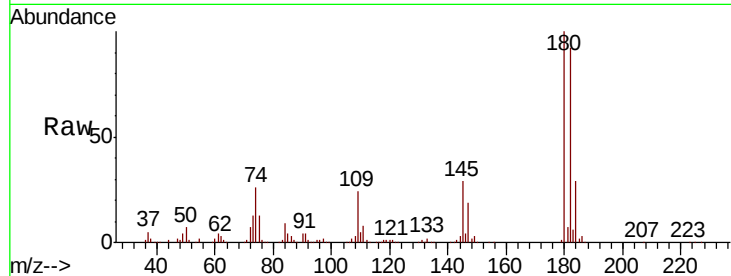




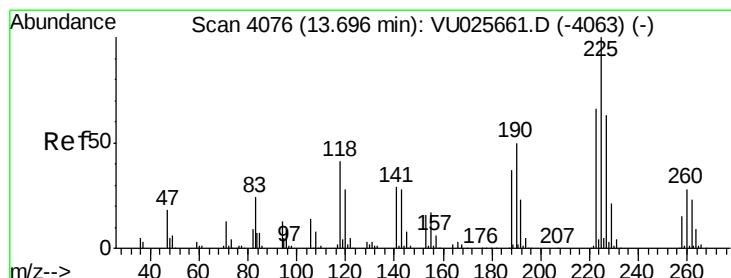
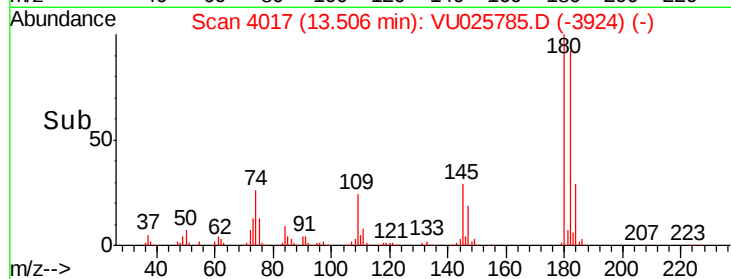
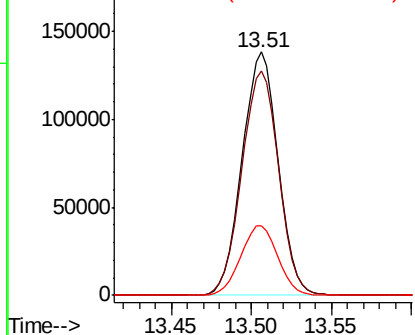
#93
 1,2,4-Trichlorobenzene
 Concen: 54.05 ug/l
 RT: 13.51 min Scan# 4017
 Delta R.T. 0.00 min
 Lab File: VU025785.D
 Acq: 01 Aug 2018 18:39

Instrument :
 MSVOA_U
 ClientSampleId :
 GW-03MSD

Tot Ion	Ratio	Lower	Upper
180	100		
182	94.3	47.3	141.9
145	29.4	14.9	44.7

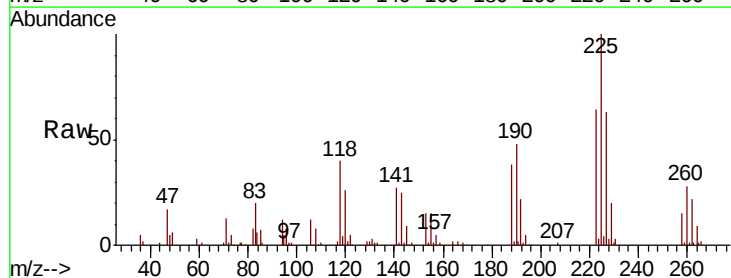


Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

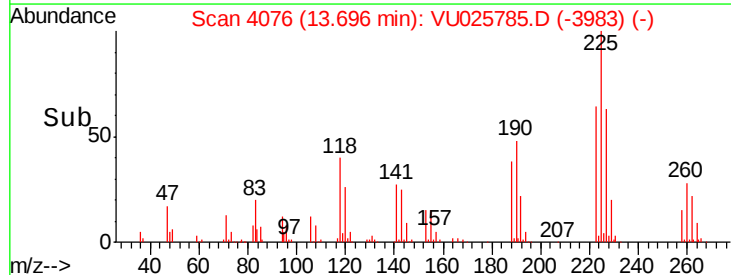
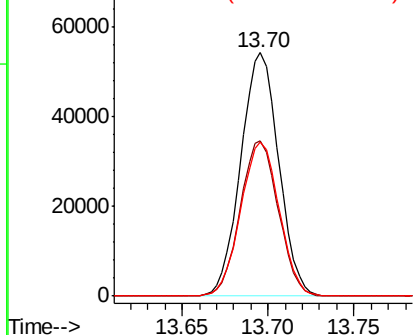


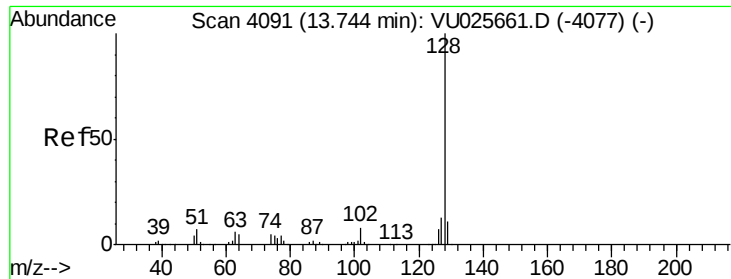
#94
 Hexachlorobutadiene
 Concen: 40.16 ug/l
 RT: 13.70 min Scan# 4076
 Delta R.T. 0.00 min
 Lab File: VU025785.D
 Acq: 01 Aug 2018 18:39

Tgt Ion	Ratio	Lower	Upper
225	100		
223	63.9	31.9	95.7
227	64.1	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

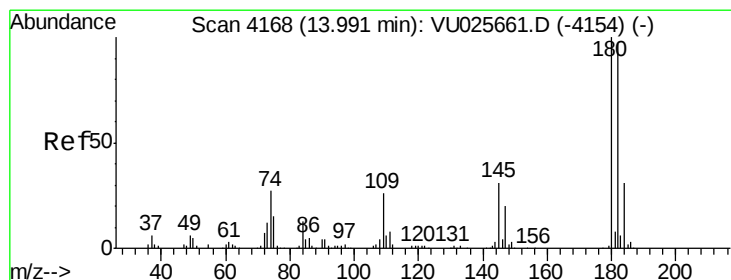
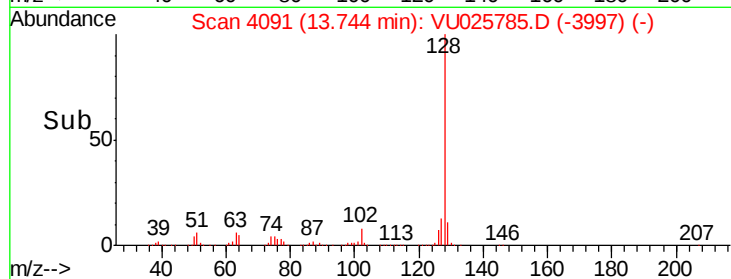
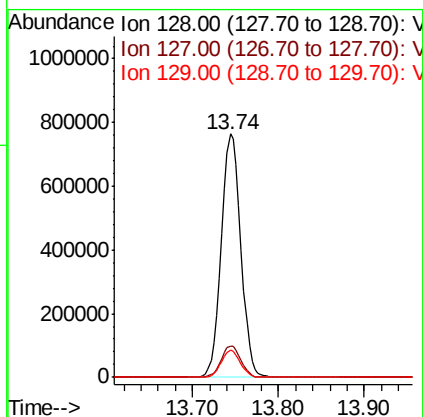
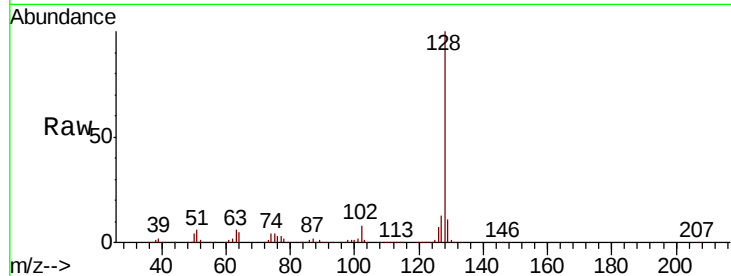




#95
Naphthalene
Concen: 94.44 ug/l
RT: 13.74 min Scan# 4091
Delta R.T. 0.00 min
Lab File: VU025785.D
Acq: 01 Aug 2018 18:39

Instrument :
MSVOA_U
ClientSampleId :
GW-03MSD

Tot Ion:128 Resp: 1207149
Ion Ratio Lower Upper
128 100
127 13.0 10.5 15.7
129 10.8 8.3 12.5



#96
1,2,3-Trichlorobenzene
Concen: 54.63 ug/l
RT: 13.99 min Scan# 4167
Delta R.T. -0.00 min
Lab File: VU025785.D
Acq: 01 Aug 2018 18:39

Tgt Ion:180 Resp: 214268
Ion Ratio Lower Upper
180 100
182 95.6 47.8 143.3
145 31.6 15.6 46.8

