

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

Manual Integrations
 APPROVED

MMDadoda
 8/2/2018 9:45:20 AM

Quant Time: Aug 02 05:14:27 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	50.698	ug/l	100
3) Chloromethane	1.33	50	113370	42.134	ug/l	99
4) Vinyl Chloride	1.40	62	122662	48.441	ug/l	99
5) Bromomethane	1.62	94	33074	26.742	ug/l	99
6) Chloroethane	1.70	64	74501	50.317	ug/l	97
7) Trichlorofluoromethane	1.89	101	180942	49.423	ug/l	97
8) Diethyl Ether	2.10	74	65176	49.202	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	2.28	101	102830	48.534	ug/l	99
10) Methyl Iodide	2.41	142	56703	32.356	ug/l	99
11) Tert butyl alcohol	2.83	59	181267	285.286	ug/l	100
12) 1,1-Dichloroethene	2.28	96	95908	47.956	ug/l	93
13) Acrolein	2.19	56	24423	104.958	ug/l	99
14) Allyl chloride	2.59	41	168887	46.992	ug/l	97
15) Acrylonitrile	2.94	53	339259	267.427	ug/l	99
16) Acetone	2.32	43	328900	232.453	ug/l	97
17) Carbon Disulfide	2.48	76	317551	49.062	ug/l	100
18) Methyl Acetate	2.62	43	204063	59.921	ug/l	99
19) Methyl tert-butyl Ether	3.00	73	375901	51.868	ug/l	99
20) Methylene Chloride	2.70	84	119670	47.724	ug/l	97
21) trans-1,2-Dichloroethene	2.98	96	111283	48.136	ug/l	98
22) Diisopropyl ether	3.58	45	359024	50.694	ug/l	93
23) Vinyl Acetate	3.53	43	1466847	237.661	ug/l	99
24) 1,1-Dichloroethane	3.45	63	212248	49.925	ug/l	99
25) 2-Butanone	4.27	43	499881	259.532	ug/l	98
26) 2,2-Dichloropropane	4.23	77	178701	46.246	ug/l	100
27) cis-1,2-Dichloroethene	4.23	96	130954	50.242	ug/l	96
28) Bromochloromethane	4.55	49	92769	48.805	ug/l	97
29) Tetrahydrofuran	4.64	42	310034	268.674	ug/l	100
30) Chloroform	4.68	83	221312	49.318	ug/l	99
31) Cyclohexane	5.00	56	180617	48.808	ug/l	98
32) 1,1,1-Trichloroethane	4.92	97	201133	49.783	ug/l	98
36) 1,1-Dichloropropene	5.14	75	163504	50.002	ug/l	97
37) Ethyl Acetate	4.38	43	171870	50.690	ug/l	100
38) Carbon Tetrachloride	5.14	117	183822	49.632	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	6.42	83	177473	47.369	ug/l	97
40) Benzene	5.39	78	501312	52.448	ug/l	97
41) Methacrylonitrile	4.54	41	99527	52.850	ug/l	98
42) 1,2-Dichloroethane	5.41	62	179217	48.695	ug/l	98
43) Isopropyl Acetate	5.55	43	283336	50.570	ug/l	99
44) Trichloroethene	6.19	130	133030	49.977	ug/l	98
45) 1,2-Dichloropropane	6.44	63	123892	49.700	ug/l	100
46) Dibromomethane	6.56	93	89000	49.274	ug/l	97
47) Bromodichloromethane	6.76	83	172492	50.064	ug/l	97
48) Methyl methacrylate	6.63	41	147202	53.605	ug/l	96
49) 1,4-Dioxane	6.62	88	75939	1136.398	ug/l	96
51) 4-Methyl-2-Pentanone	7.46	43	936259	266.911	ug/l	99
52) Toluene	7.64	92	305185	51.395	ug/l	98
53) t-1,3-Dichloropropene	7.88	75	198180	51.228	ug/l	97
54) cis-1,3-Dichloropropene	7.27	75	203044	51.094	ug/l	97
55) 1,1,2-Trichloroethane	8.07	97	125253	50.757	ug/l	97
56) Ethyl methacrylate	8.02	69	191234	54.238	ug/l	95
57) 1,3-Dichloropropane	8.25	76	210165	50.642	ug/l	98
59) 2-Hexanone	8.36	43	744909	270.910	ug/l	98
60) Dibromochloromethane	8.48	129	150693	51.783	ug/l	98
61) 1,2-Dibromoethane	8.59	107	137384	50.059	ug/l	98
64) Tetrachloroethene	8.23	164	113325	48.043	ug/l	99
65) Chlorobenzene	9.12	112	350360	50.708	ug/l	98
66) 1,1,1,2-Tetrachloroethane	9.21	131	130869	52.359	ug/l	99
67) Ethyl Benzene	9.25	91	595262	52.011	ug/l	100
68) m/p-Xylenes	9.38	106	462445	105.246	ug/l	99
69) o-Xylene	9.78	106	227782	53.043	ug/l	100
70) Styrene	9.80	104	366979	52.906	ug/l	98
71) Bromoform	9.96	173	119063	54.936	ug/l #	100
73) Isopropylbenzene	10.17	105	602886	51.936	ug/l	100
74) N-amyl acetate	10.01	43	249919	52.737	ug/l	99
75) 1,1,2,2-Tetrachloroethane	10.46	83	206674	51.485	ug/l	98
76) 1,2,3-Trichloropropane	10.50	75	191148m	51.008	ug/l	
77) Bromobenzene	10.45	156	163778	51.151	ug/l	97
78) n-propylbenzene	10.59	91	698606	51.562	ug/l	99
79) 2-Chlorotoluene	10.66	91	411415	51.843	ug/l	99
80) 1,3,5-Trimethylbenzene	10.78	105	508307	51.560	ug/l	99
81) trans-1,4-Dichloro-2-buten	10.52	75	48075m	32.169	ug/l	
82) 4-Chlorotoluene	10.78	91	486080	51.962	ug/l	99
83) tert-Butylbenzene	11.10	119	500752	51.123	ug/l	97
84) 1,2,4-Trimethylbenzene	11.15	105	531625	53.214	ug/l	99
85) sec-Butylbenzene	11.33	105	591695	49.477	ug/l	99
86) p-Isopropyltoluene	11.48	119	538190	50.258	ug/l	99
87) 1,3-Dichlorobenzene	11.42	146	303650	51.092	ug/l	99
88) 1,4-Dichlorobenzene	11.51	146	306484	49.471	ug/l	99
89) n-Butylbenzene	11.89	91	473303	47.896	ug/l	100
90) Hexachloroethane	12.15	117	89157	46.828	ug/l	99
91) 1,2-Dichlorobenzene	11.88	146	297126	51.004	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	12.66	75	53319	56.026	ug/l	98
93) 1,2,4-Trichlorobenzene	13.51	180	212499	54.047	ug/l	100

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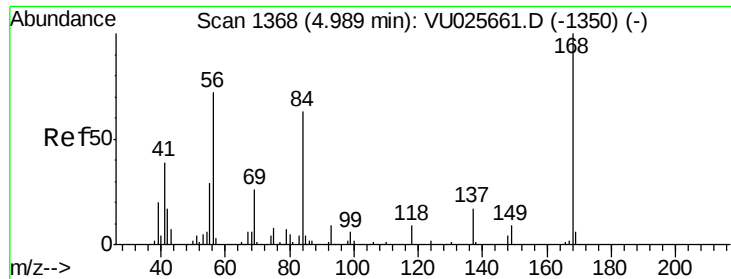
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Quant Title : SW846 8260
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
94) Hexachlorobutadiene	13.70	225	83229	40.158	ug/l	100
95) Naphthalene	13.74	128	1207149	94.445	ug/l	99
96) 1,2,3-Trichlorobenzene	13.99	180	214268	54.631	ug/l	100

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



#1

Pentafluorobenzene

Concen: 50.000 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

ClientSampled :

GW-03MSD

Tot Ion:168 Resp: 186260

Ion Ratio Lower Upper

168 100

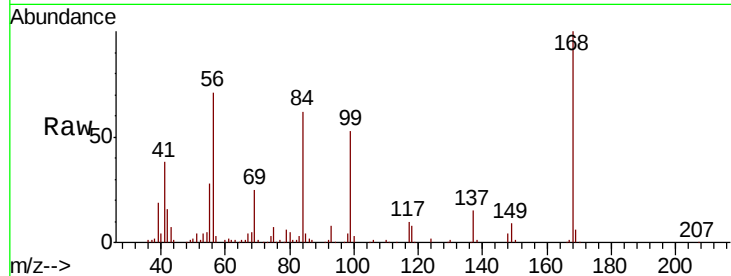
99 53.1 42.8 64.2

Manual Integrations

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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

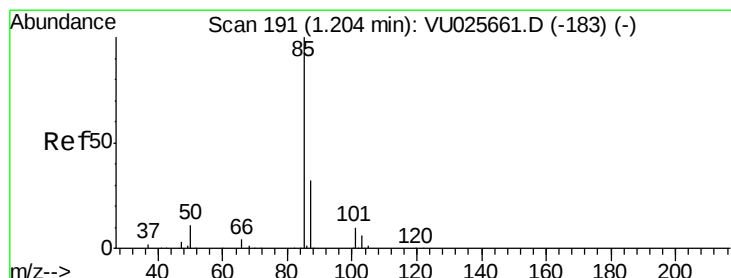
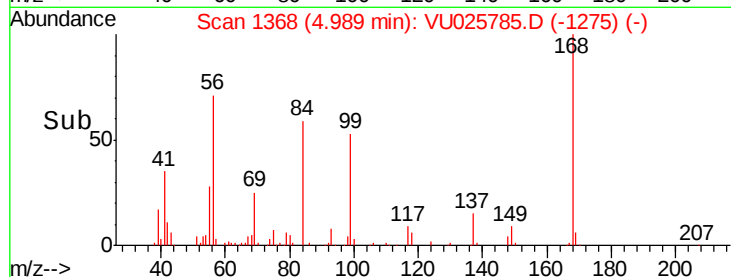
40000

20000

0

4.90 5.00 5.10

Time-->



#2

Dichlorodifluoromethane

Concen: 50.698 ug/l

RT: 1.20 min Scan# 191

Delta R.T. 0.00 min

Lab File: VU025785.D

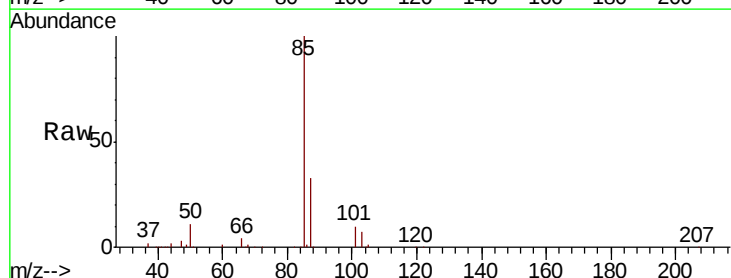
Acq: 01 Aug 2018 18:39

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

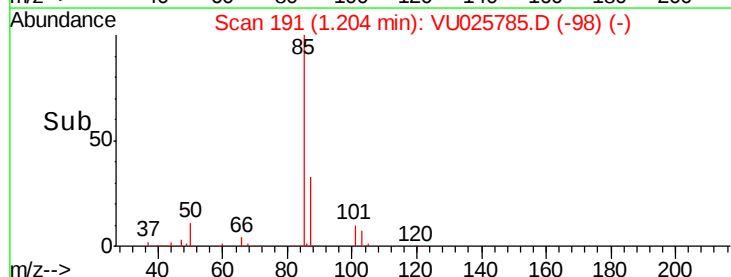
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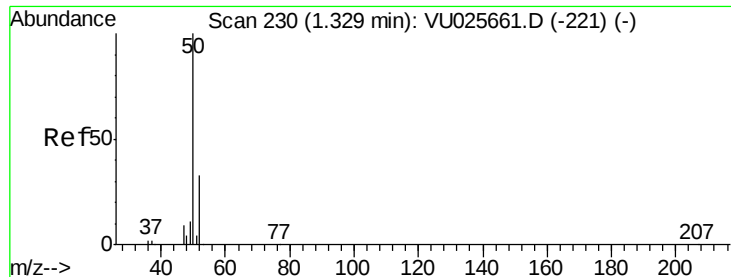
50000

0

1.15 1.20 1.25 1.30

Time-->





#3

Chloromethane

Concen: 42.134 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

ClientSampled :

GW-03MSD

Tot Ion: 50 Resp: 113370

Ion Ratio Lower Upper

50 100

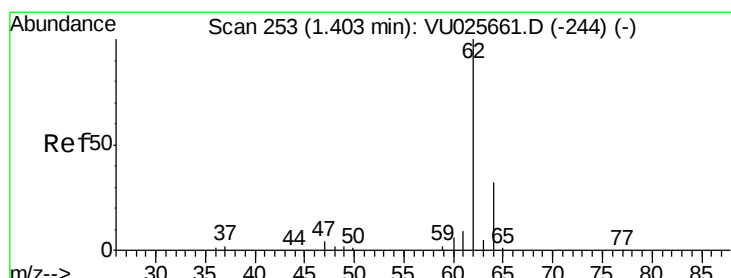
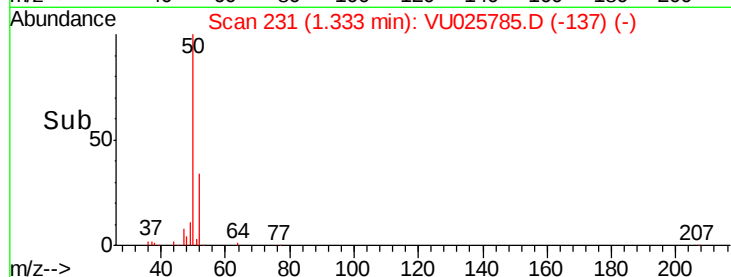
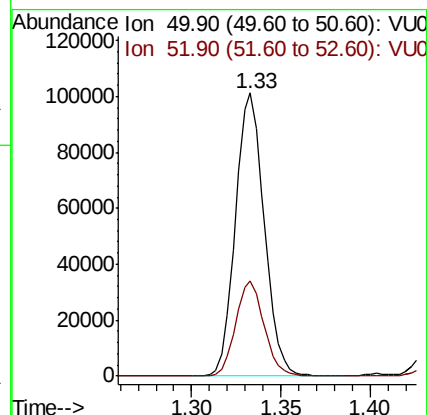
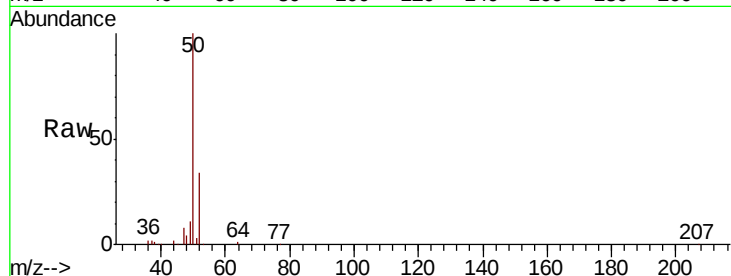
52 33.5 26.5 39.7

Manual Integrations

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8/2/2018 9:45:20 AM



#4

Vinyl Chloride

Concen: 48.441 ug/l

RT: 1.40 min Scan# 253

Delta R.T. 0.00 min

Lab File: VU025785.D

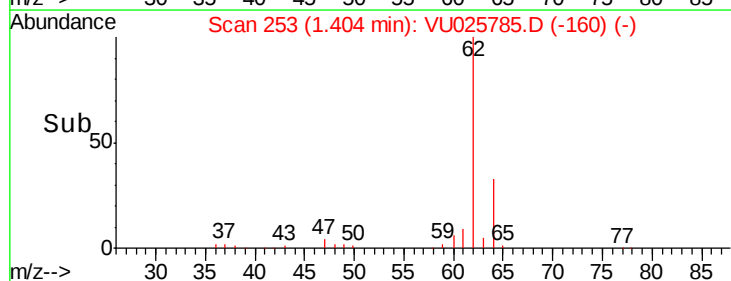
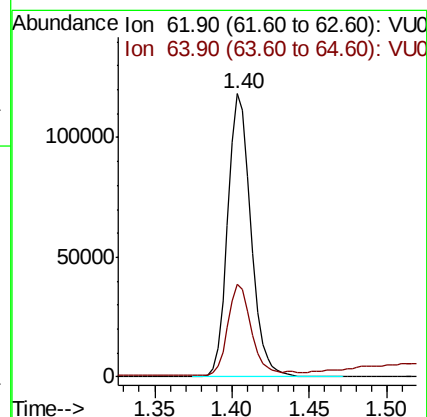
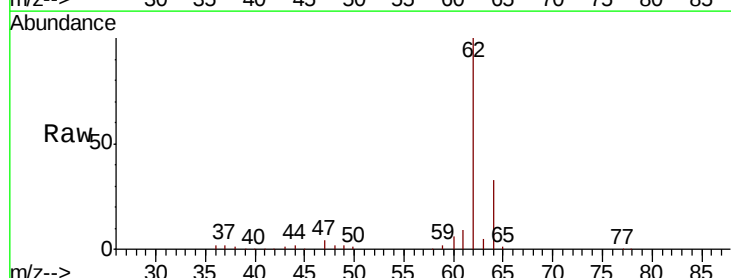
Acq: 01 Aug 2018 18:39

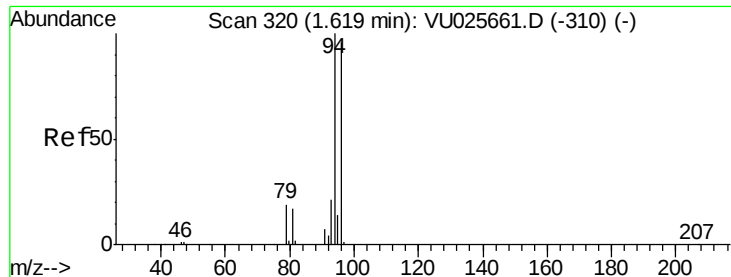
Tgt Ion: 62 Resp: 122662

Ion Ratio Lower Upper

62 100

64 32.0 25.4 38.0





#5

Bromomethane

Concen: 26.742 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

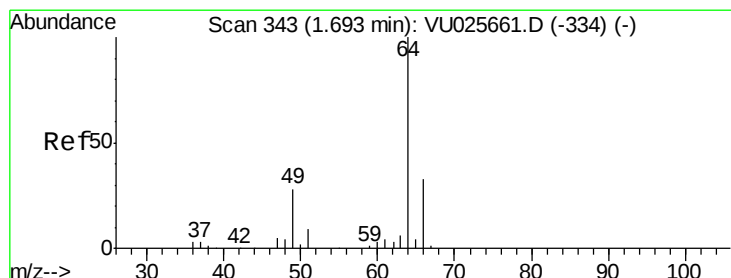
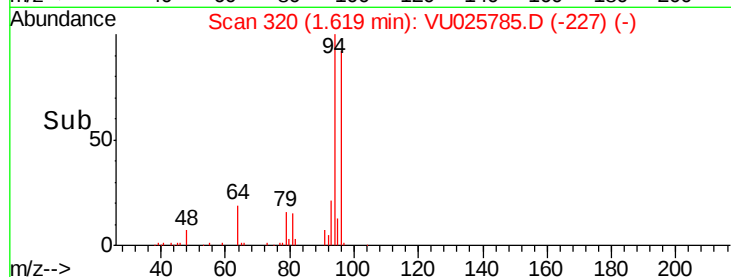
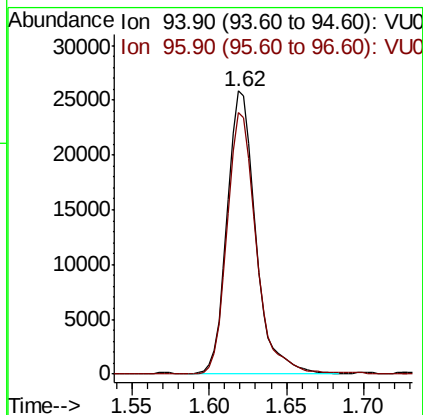
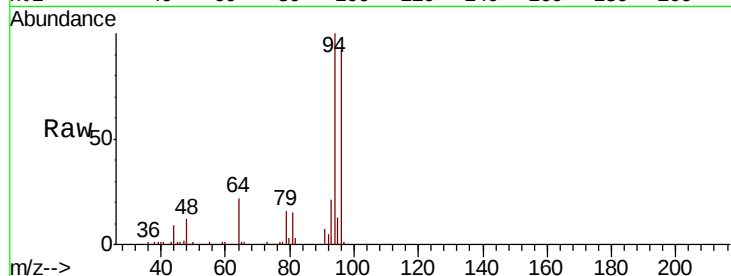
Ion Ratio Lower Upper

94 100

96 92.3 75.0 112.4

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#6

Chloroethane

Concen: 50.317 ug/l

RT: 1.70 min Scan# 344

Delta R.T. 0.00 min

Lab File: VU025785.D

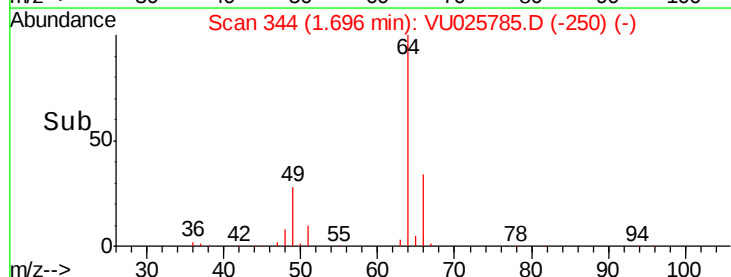
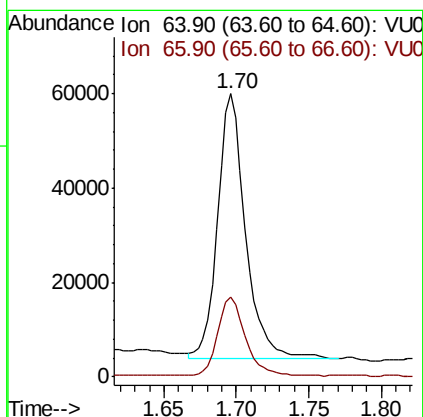
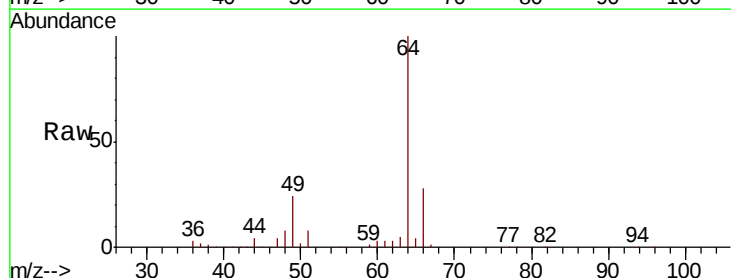
Acq: 01 Aug 2018 18:39

Tgt Ion: 64 Resp: 74501

Ion Ratio Lower Upper

64 100

66 29.7 25.0 37.4





#7

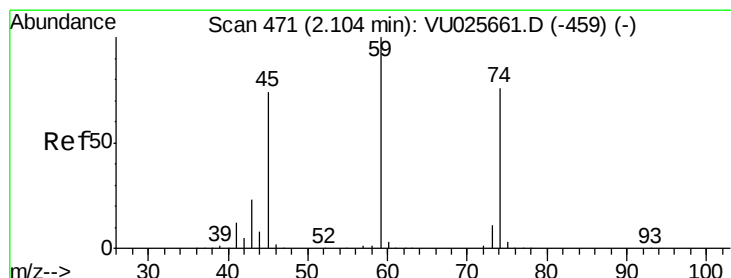
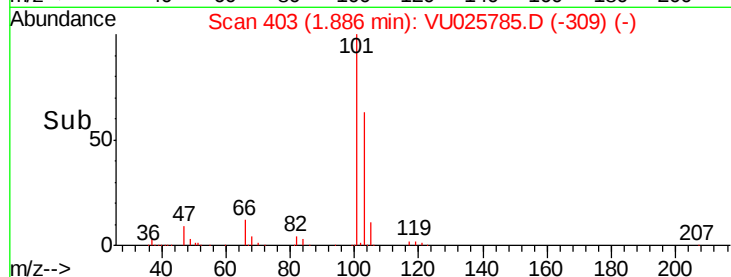
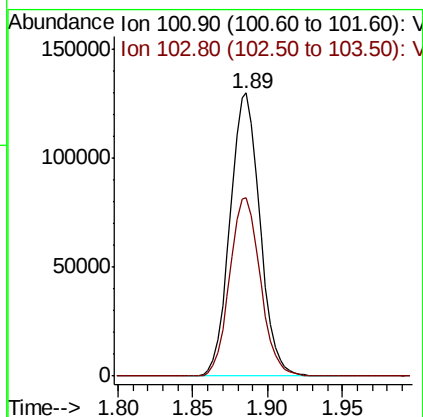
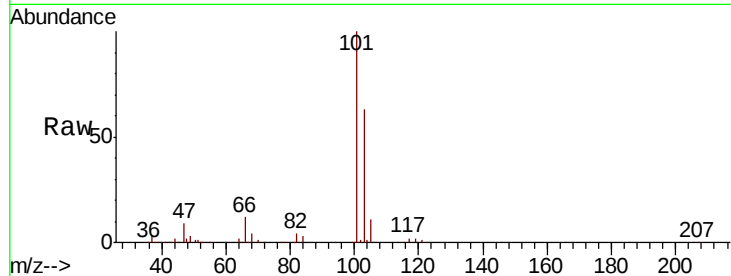
Trichlorofluoromethane
Concen: 49.423 ug/l
RT: 1.89 min Scan# 403
Delta R.T. 0.00 min
Lab File: VU025785.D
Acq: 01 Aug 2018 18:39

Instrument :
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ClientSampleId :
GW-03MSD

Tot Ion	Ratio	Resp	Lower	Upper
101	100	180942		
103	63.1	52.2	78.2	

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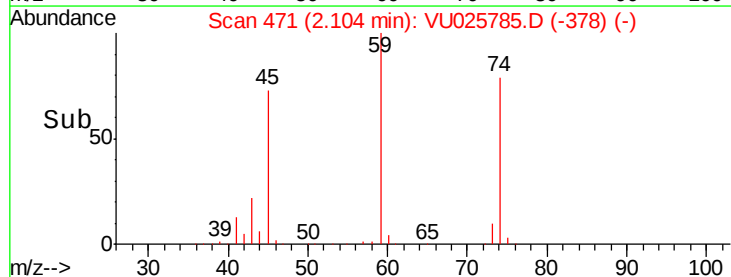
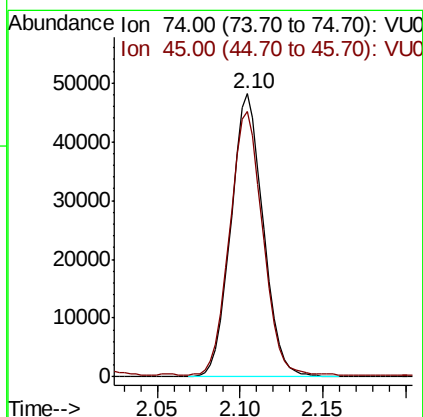
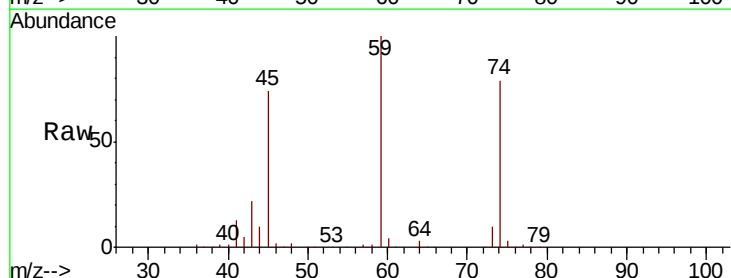
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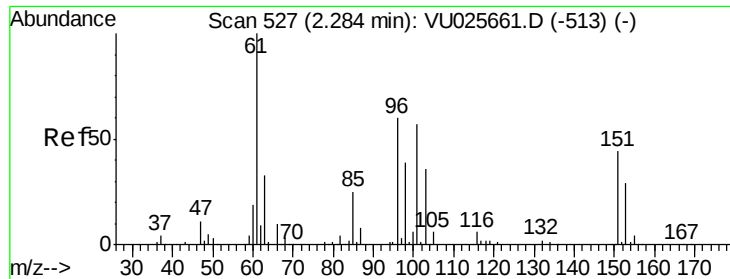


#8

Diethyl Ether
Concen: 49.202 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	Ratio	Resp	Lower	Upper
74	100	65176		
45	95.7	48.3	144.9	





#9

1,1,2-Trichlorotrifluoroethane

Concen: 48.534 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

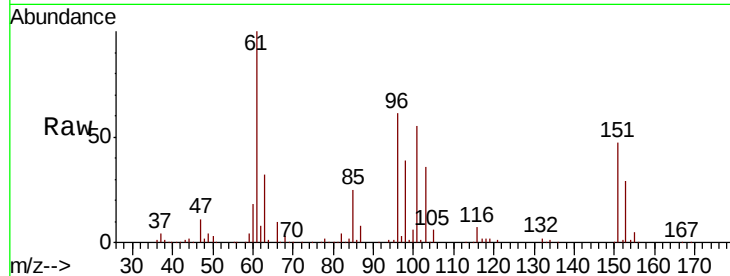
ClientSampleId :

GW-03MSD

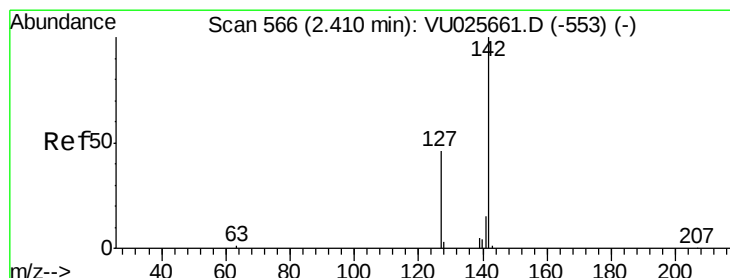
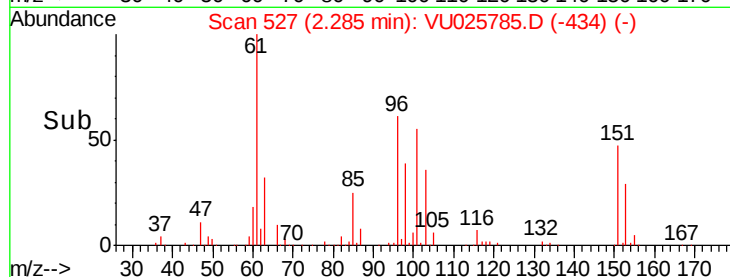
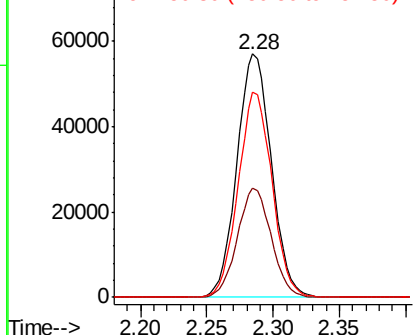
Tot Ion:	101	Resp:	102830
Ion Ratio	Lower	Upper	
101	100		
85	43.9	36.0	54.0
151	82.7	65.6	98.4

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Abundance Ion 100.90 (100.60 to 101.60): V
Ion 84.90 (84.60 to 85.60): VU
Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 32.356 ug/l

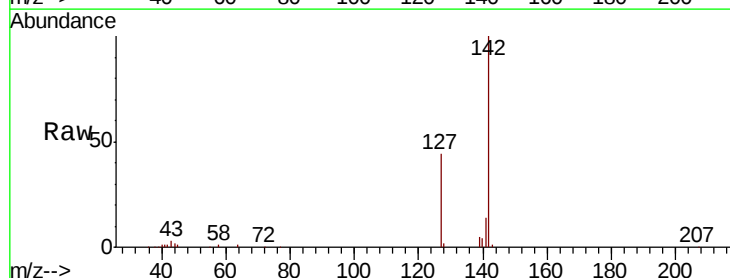
RT: 2.41 min Scan# 566

Delta R.T. 0.00 min

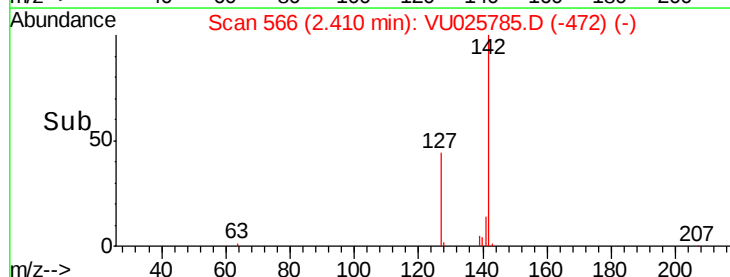
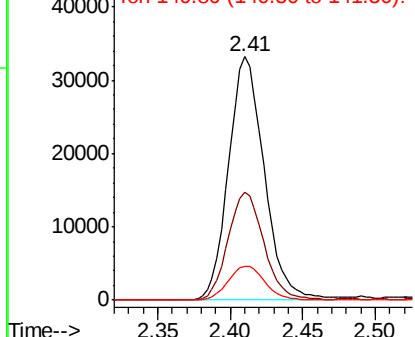
Lab File: VU025785.D

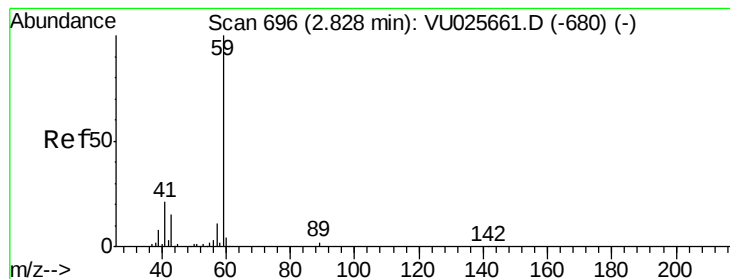
Acq: 01 Aug 2018 18:39

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

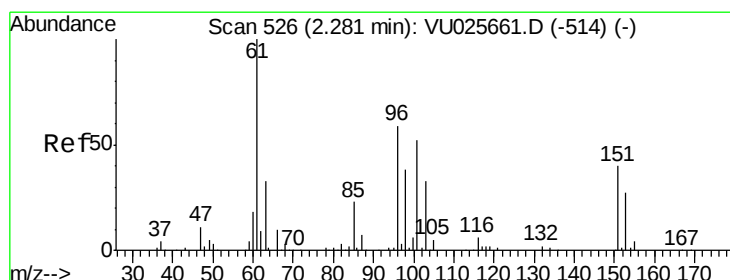
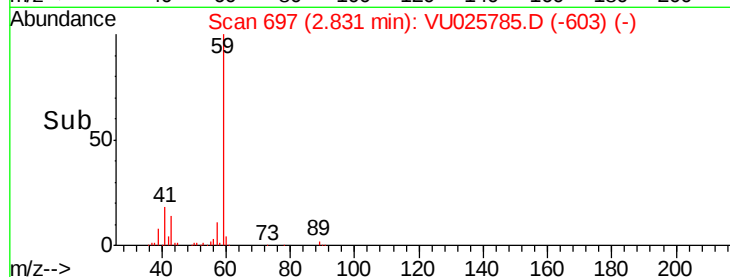
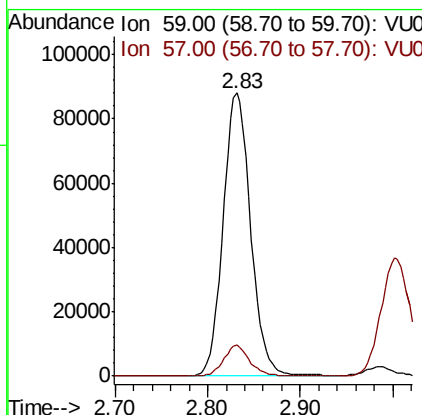
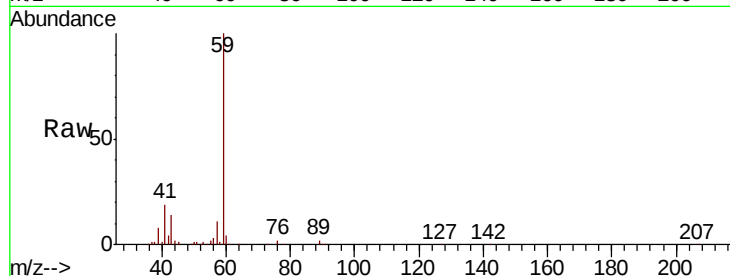
Tert butyl alcohol
 Concen: 285.286 ug/l
 RT: 2.83 min Scan# 697
 Delta R.T. 0.00 min
 Lab File: VU025785.D
 Acq: 01 Aug 2018 18:39

Instrument :
 MSVOA_U
 ClientSampled :
 GW-03MSD

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

Manual Integrations
 APPROVED

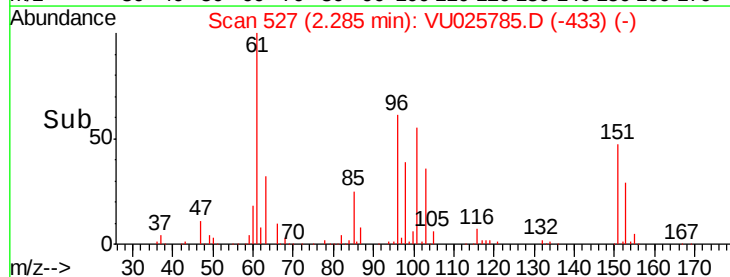
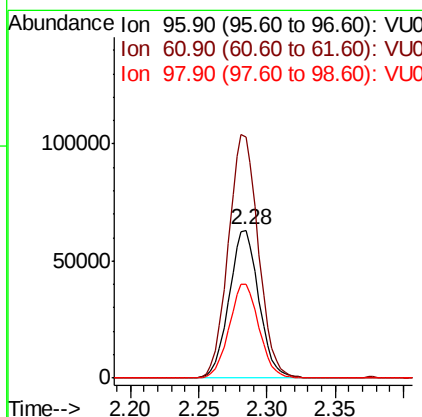
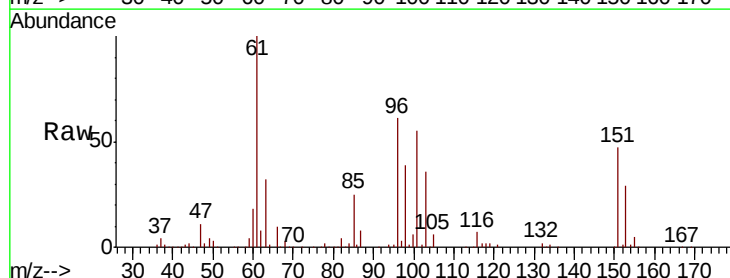
MMDadoda
 8/2/2018 9:45:20 AM

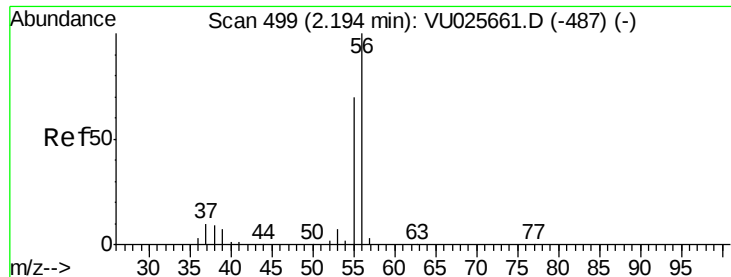


#12

1,1-Dichloroethene
 Concen: 47.956 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	100	Lower	Upper
61	163.4	140.2	210.4
98	63.9	49.3	73.9





#13

Acrolein

Concen: 104.958 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

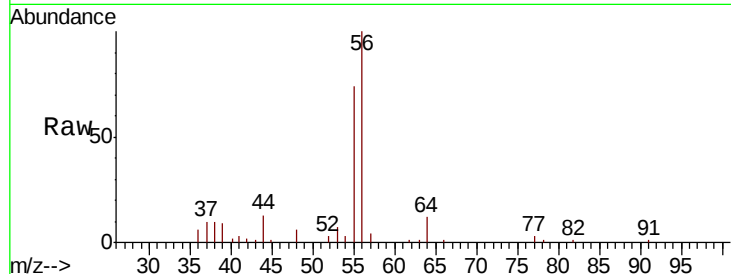
Ion Ratio Lower Upper

56 100

55 72.5 57.2 85.8

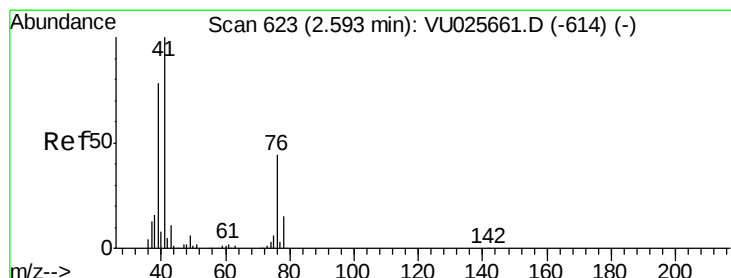
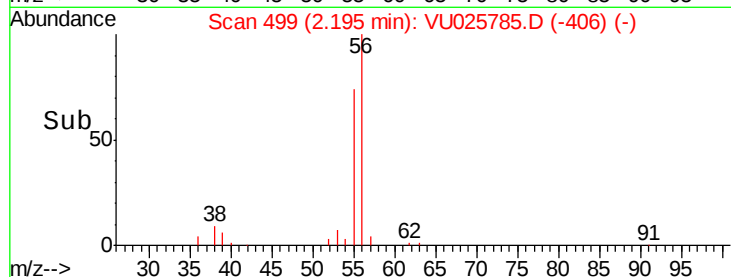
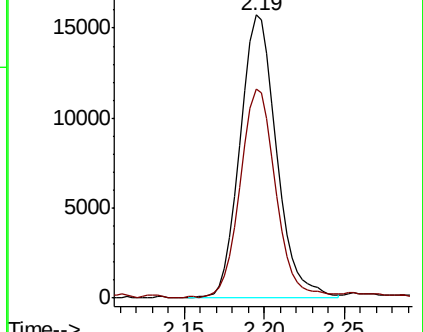
Manual Integrations
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8/2/2018 9:45:20 AM



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

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



#14

Allyl chloride

Concen: 46.992 ug/l

RT: 2.59 min Scan# 623

Delta R.T. 0.00 min

Lab File: VU025785.D

Acq: 01 Aug 2018 18:39

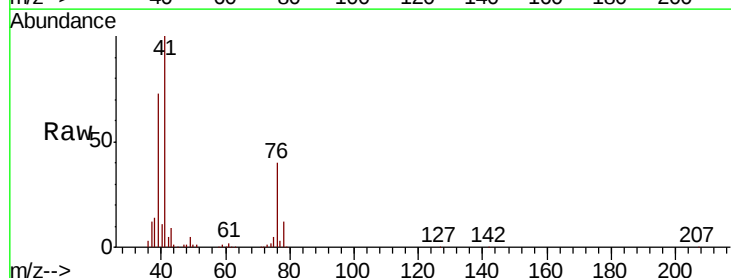
Tgt Ion: 41 Resp: 168887

Ion Ratio Lower Upper

41 100

39 72.7 60.6 91.0

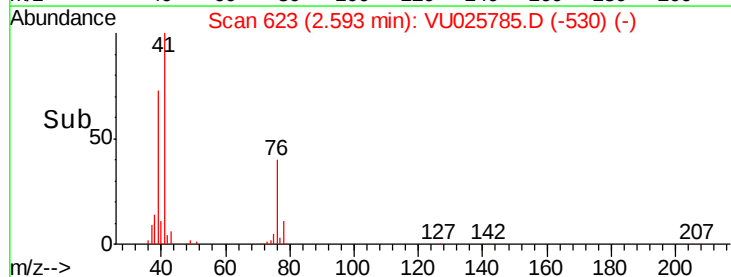
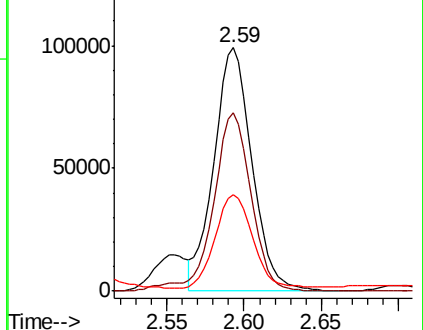
76 38.5 30.5 45.7

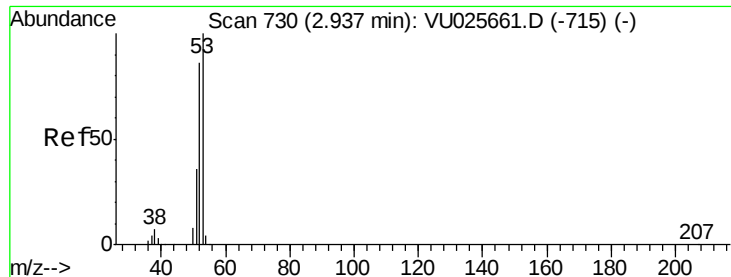


Abundance Ion 41.00 (40.70 to 41.70): VU025661.D (-614) (-)

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

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





#15

Acrylonitrile

Concen: 267.427 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

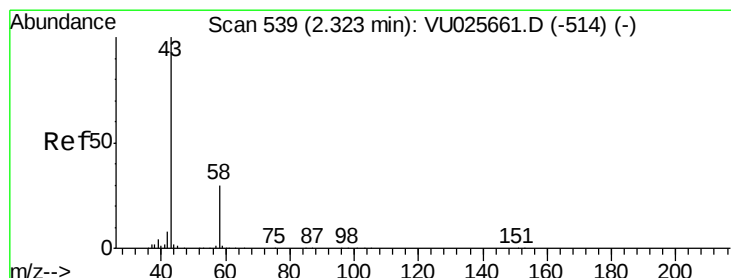
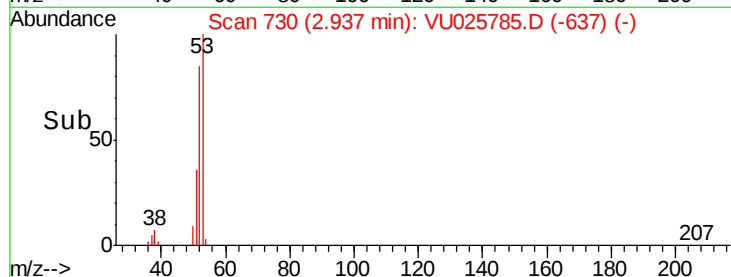
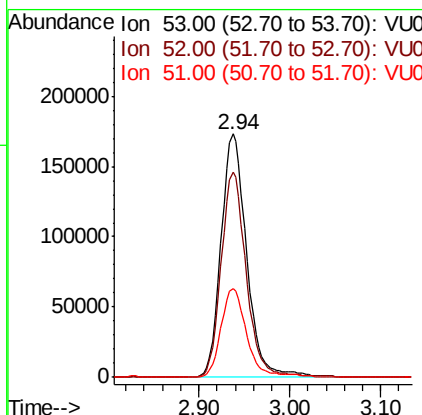
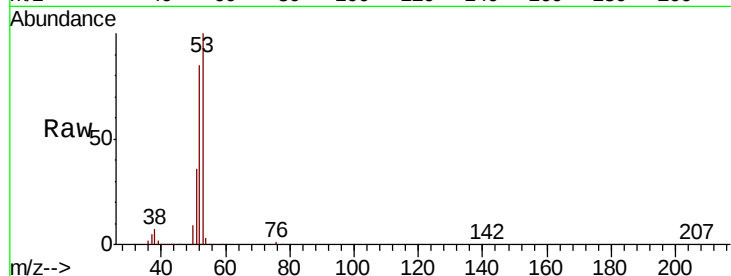
ClientSampleId :

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

Manual Integrations
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#16

Acetone

Concen: 232.453 ug/l

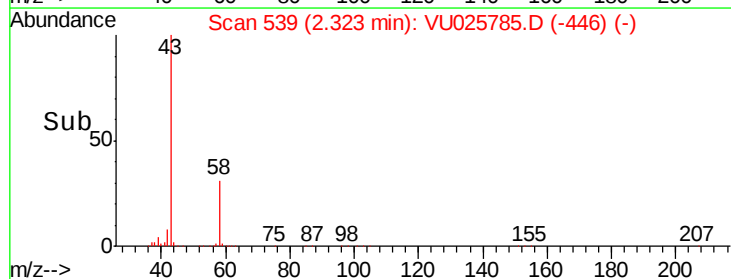
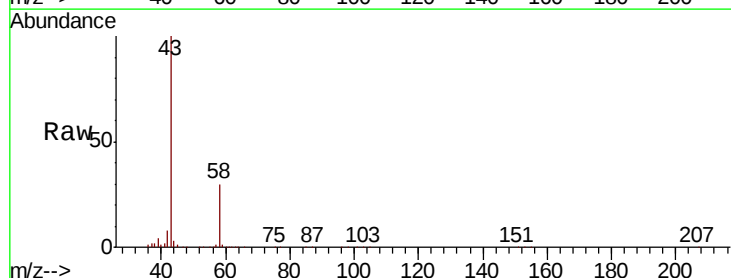
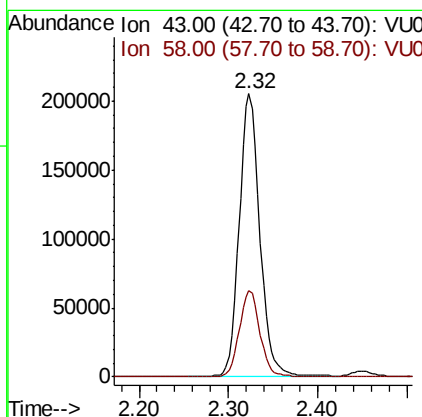
RT: 2.32 min Scan# 539

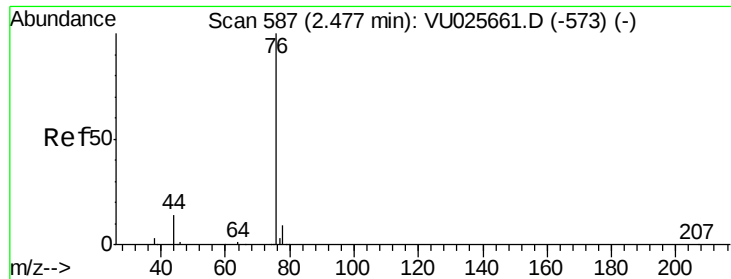
Delta R.T. 0.00 min

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





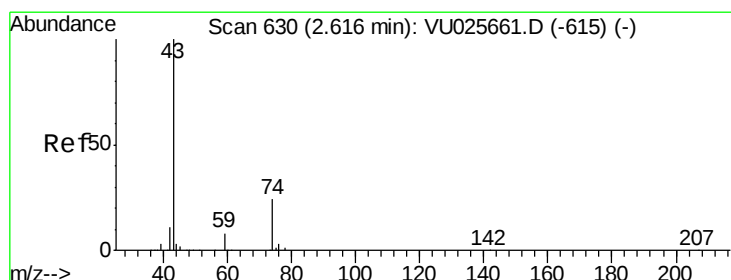
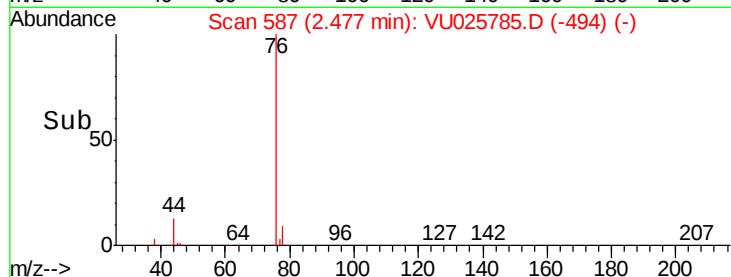
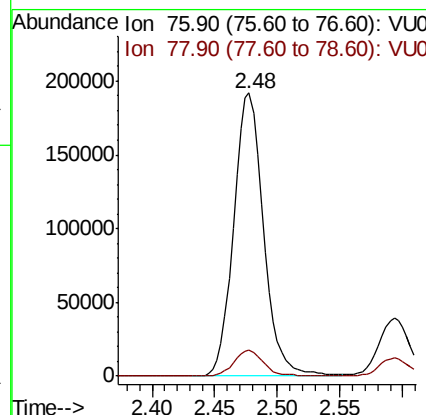
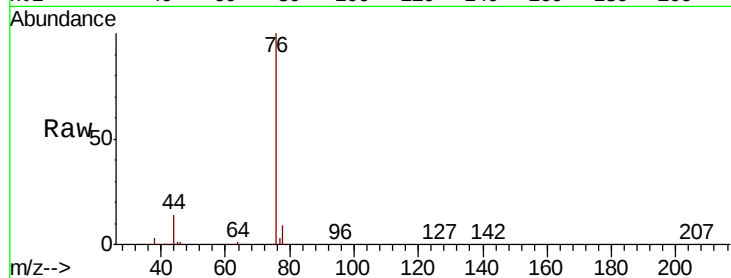
#17
Carbon Disulfide
Concen: 49.062 ug/l
RT: 2.48 min Scan# 587
Delta R.T. 0.00 min
Lab File: VU025785.D
Acq: 01 Aug 2018 18:39

Instrument :
MSVOA_U
ClientSampleId :
GW-03MSD

Tot Ion	Ratio	Lower	Upper
76	100		
78	9.1	7.4	11.2

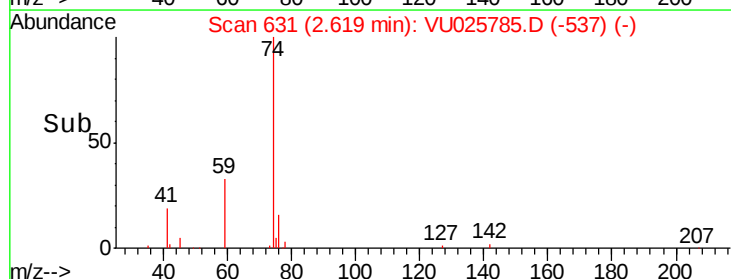
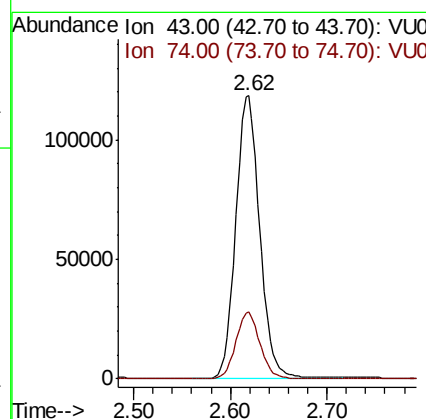
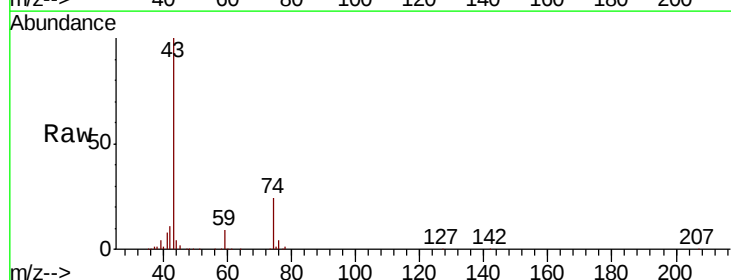
Manual Integrations
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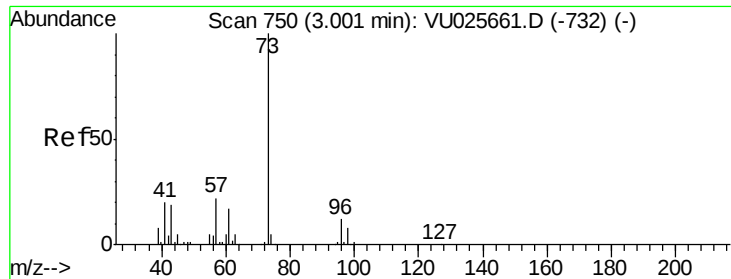
MMDadoda
8/2/2018 9:45:20 AM



#18
Methyl Acetate
Concen: 59.921 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	Ratio	Lower	Upper
43	100		
74	23.6	18.5	27.7





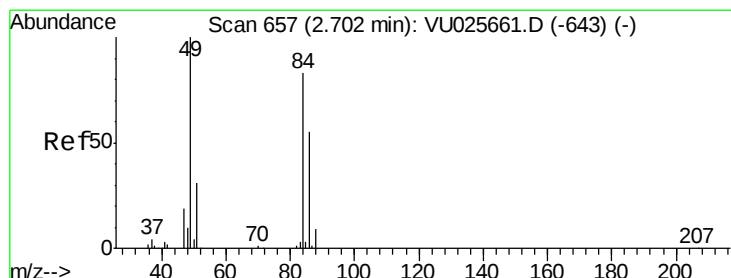
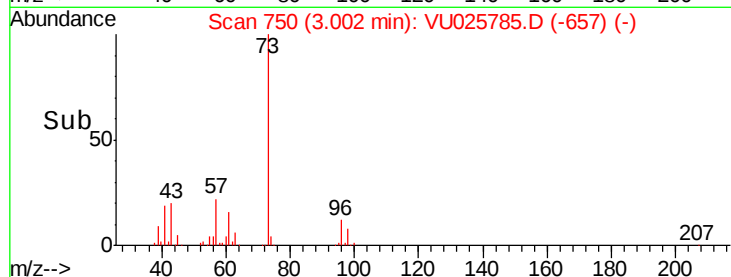
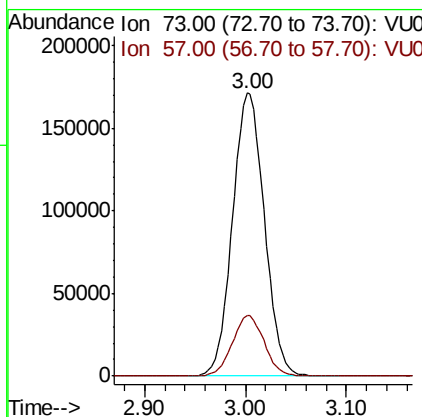
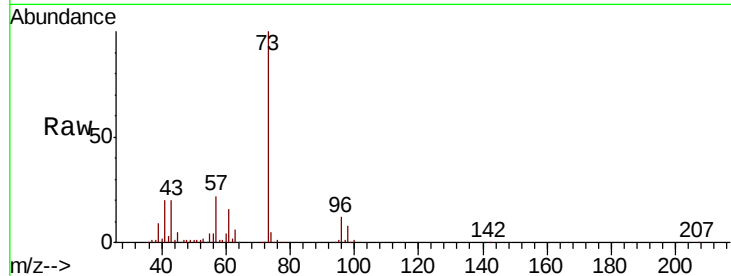
#19
Methyl tert-butyl Ether
Concen: 51.868 ug/l
RT: 3.00 min Scan# 750
Delta R.T. 0.00 min
Lab File: VU025785.D
Acq: 01 Aug 2018 18:39

Instrument :
MSVOA_U
ClientSampleId :
GW-03MSD

Tot Ion	Ratio	Lower	Upper
73	100		
57	21.5	17.4	26.2

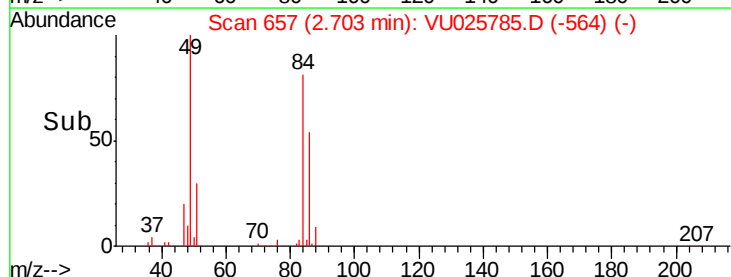
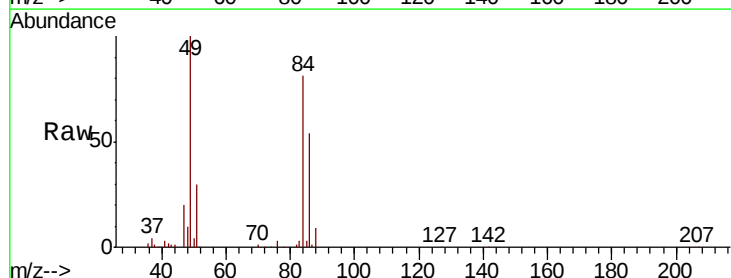
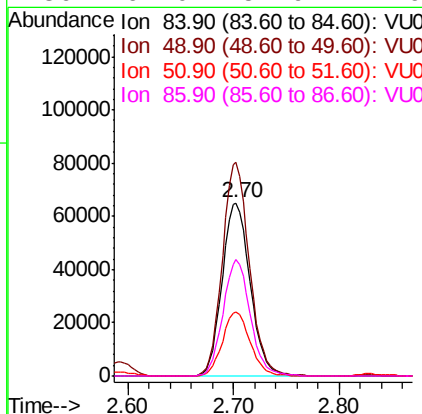
Manual Integrations
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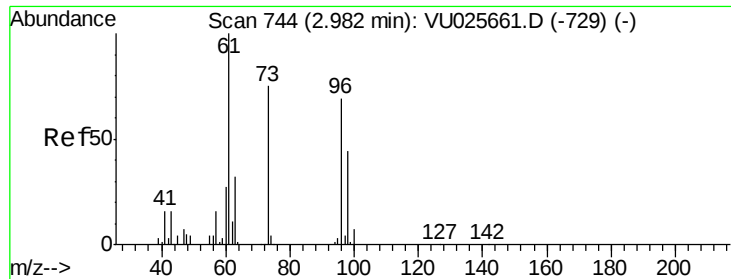
MMDadoda
8/2/2018 9:45:20 AM



#20
Methylene Chloride
Concen: 47.724 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	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: 48.136 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

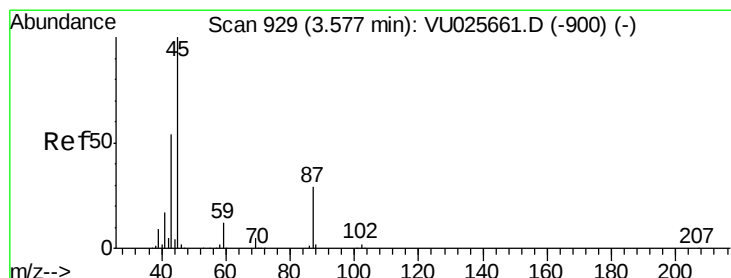
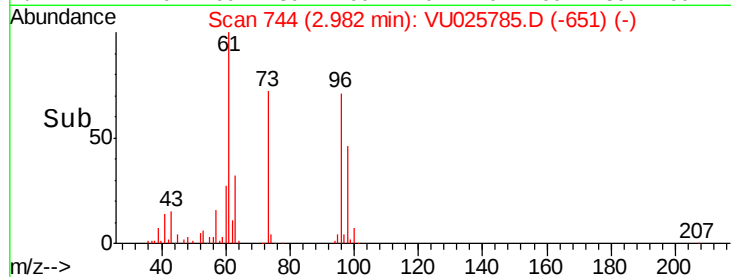
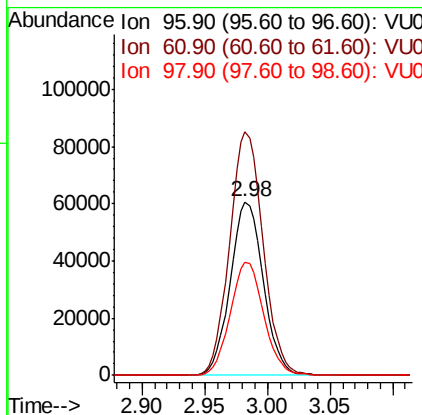
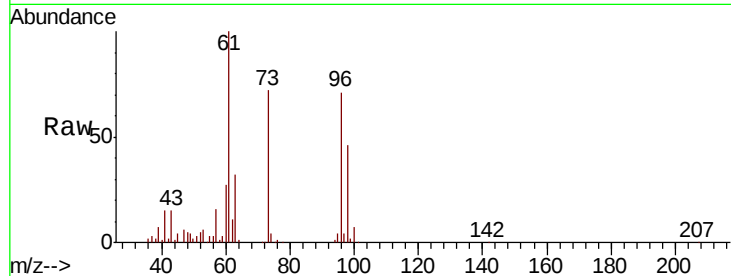
ClientSampled :

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

Manual Integrations
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#22

Diisopropyl ether

Concen: 50.694 ug/l

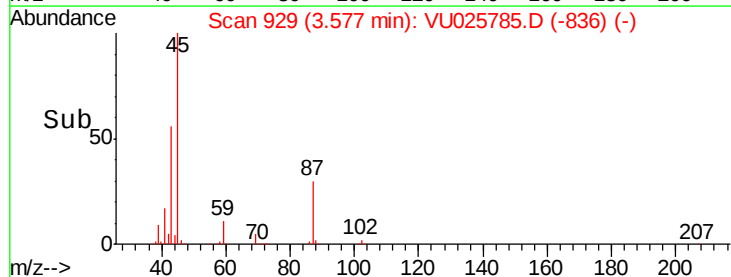
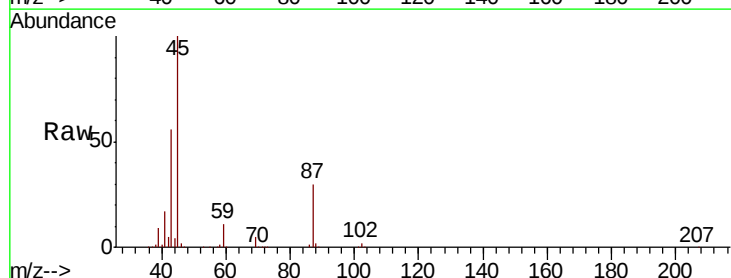
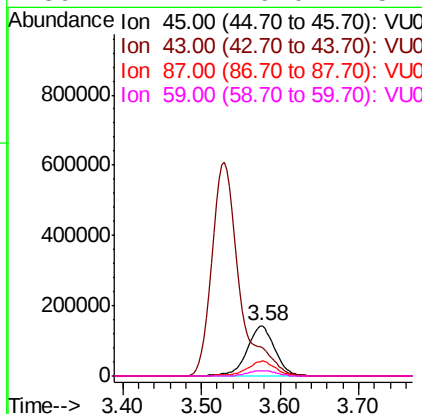
RT: 3.58 min Scan# 929

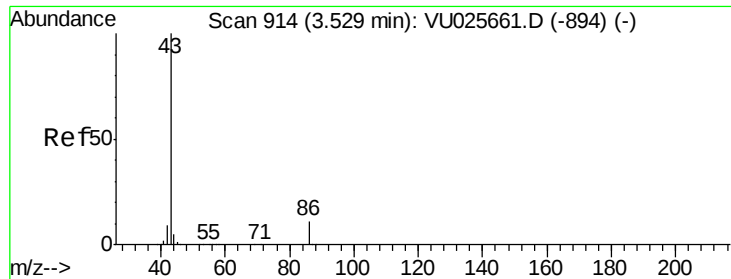
Delta R.T. 0.00 min

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





#23

Vinyl Acetate

Concen: 237.661 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

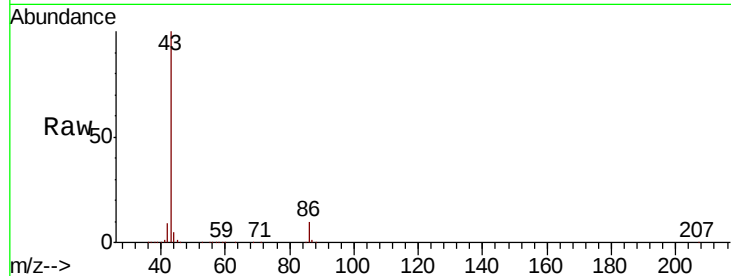
86 10.5 8.2 12.2

Manual Integrations

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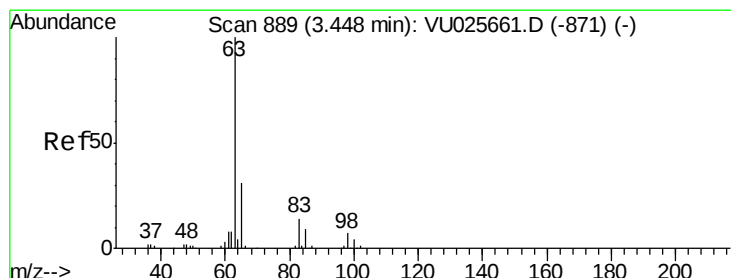
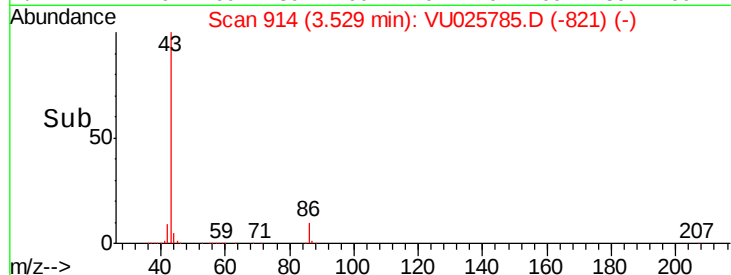
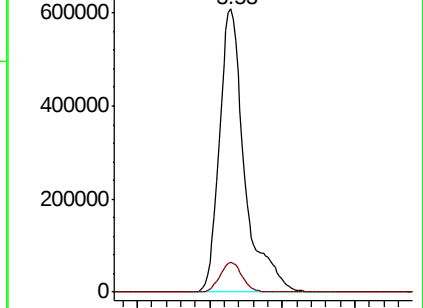
MMDadoda

8/2/2018 9:45:20 AM



Abundance Ion 43.00 (42.70 to 43.70): VU025661.D (-894) (-)

Ion 86.00 (85.70 to 86.70): VU025661.D (-894) (-)



#24

1,1-Dichloroethane

Concen: 49.925 ug/l

RT: 3.45 min Scan# 889

Delta R.T. 0.00 min

Lab File: VU025785.D

Acq: 01 Aug 2018 18:39

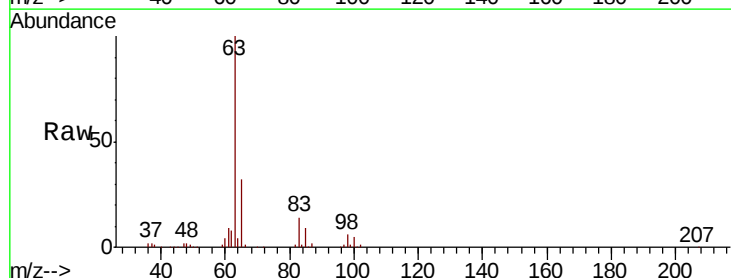
Tgt Ion: 63 Resp: 212248

Ion Ratio Lower Upper

63 100

98 6.5 3.4 10.1

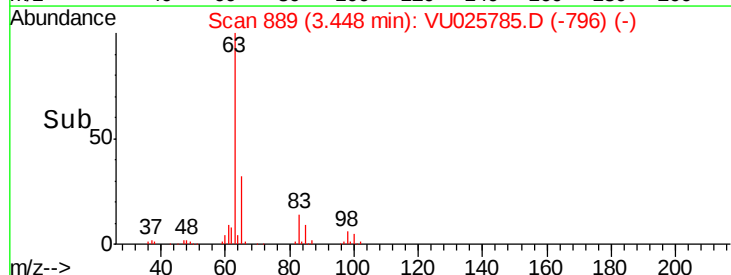
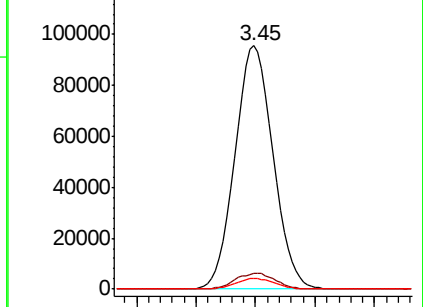
100 4.6 2.0 6.0

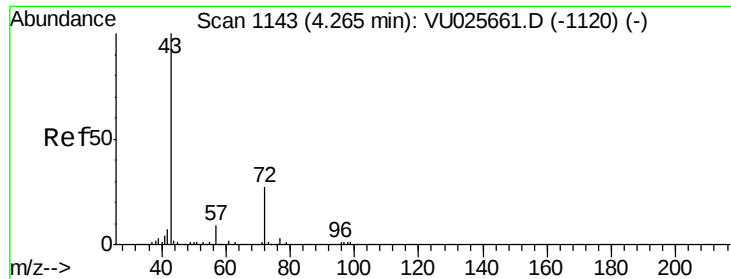


Abundance Ion 62.90 (62.60 to 63.60): VU025661.D (-871) (-)

Ion 97.90 (97.60 to 98.60): VU025661.D (-871) (-)

Ion 99.90 (99.60 to 100.60): VU025661.D (-871) (-)





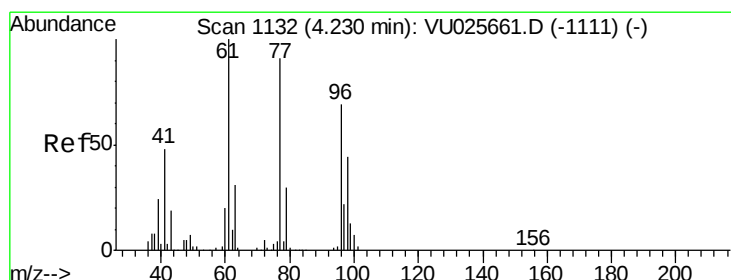
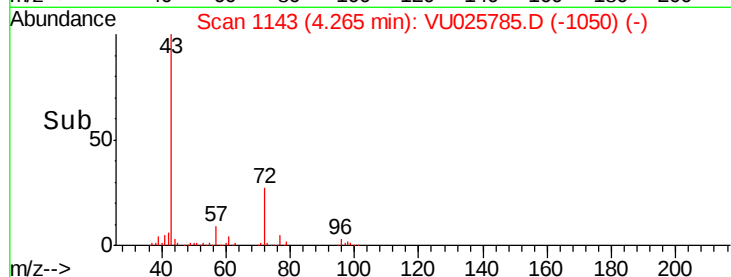
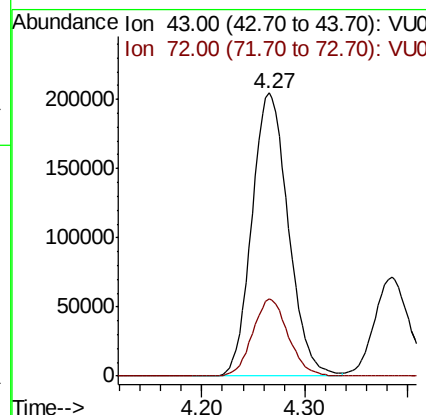
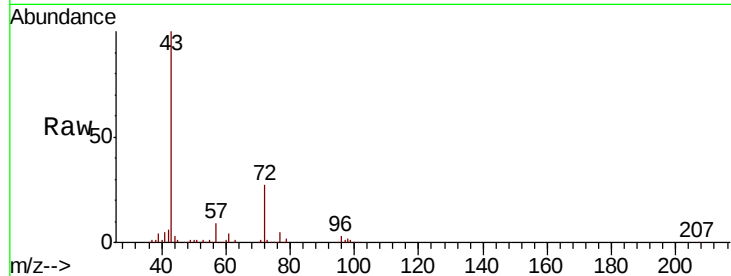
#25
2-Butanone
Concen: 259.532 ug/l
RT: 4.27 min Scan# 1143
Delta R.T. 0.00 min
Lab File: VU025785.D
Acq: 01 Aug 2018 18:39

Instrument :
MSVOA_U
ClientSampleId :
GW-03MSD

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

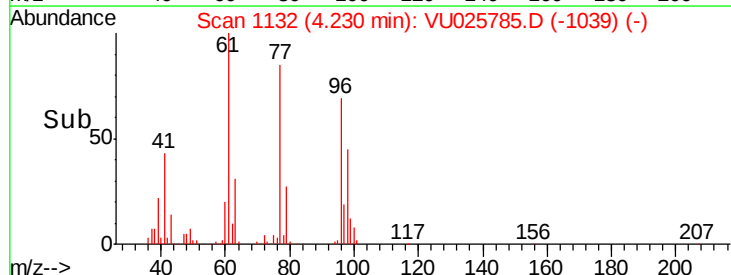
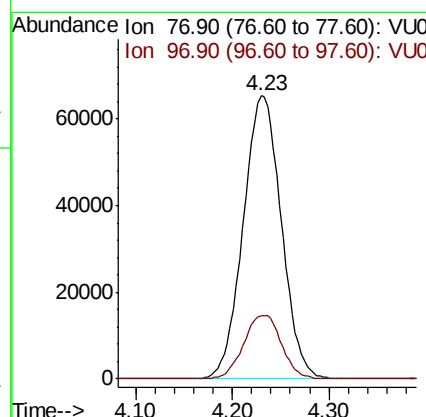
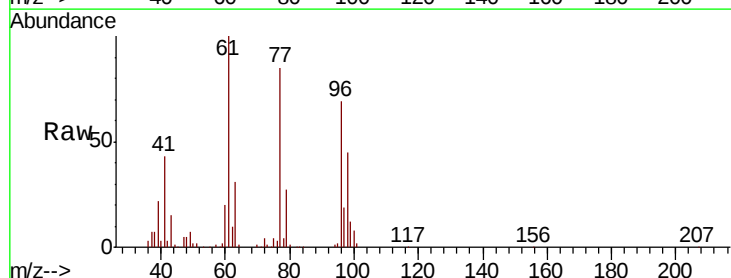
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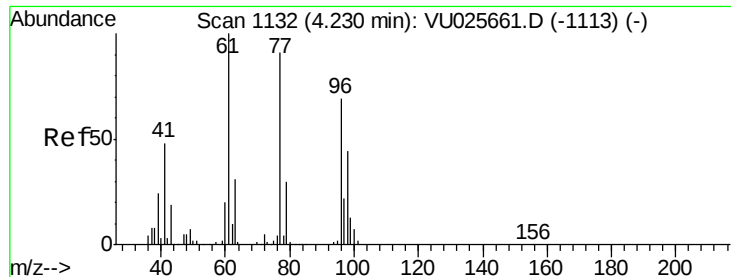
MMDadoda
8/2/2018 9:45:20 AM



#26
2,2-Dichloropropane
Concen: 46.246 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	100	Lower	Upper
97	22.4	11.2	33.5





#27

cis-1,2-Dichloroethene

Concen: 50.242 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

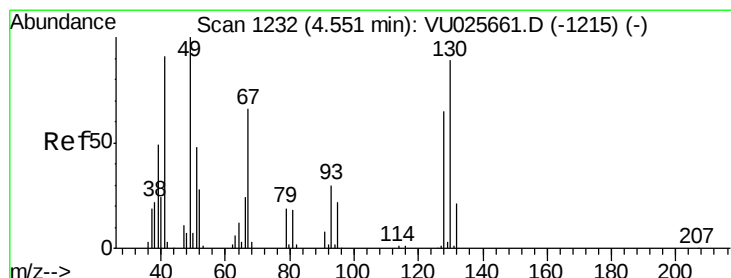
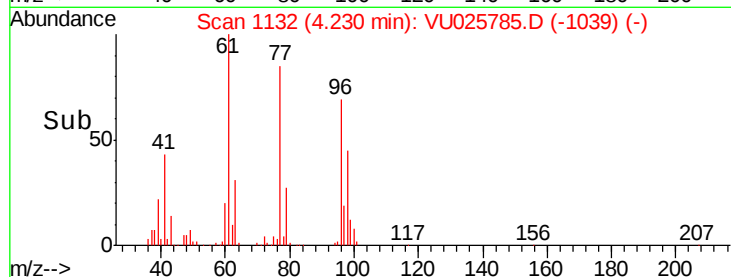
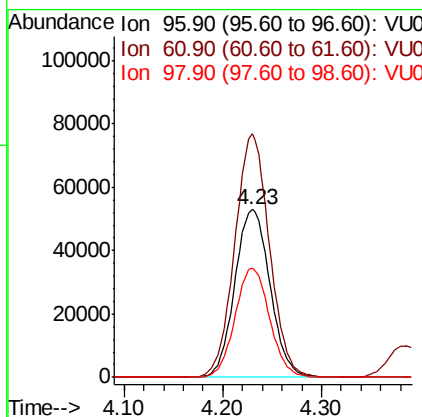
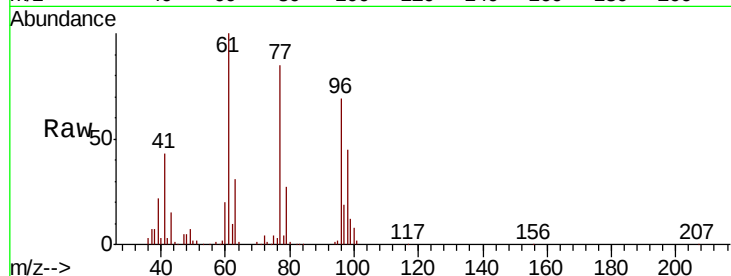
ClientSampled :

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

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#28

Bromochloromethane

Concen: 48.805 ug/l

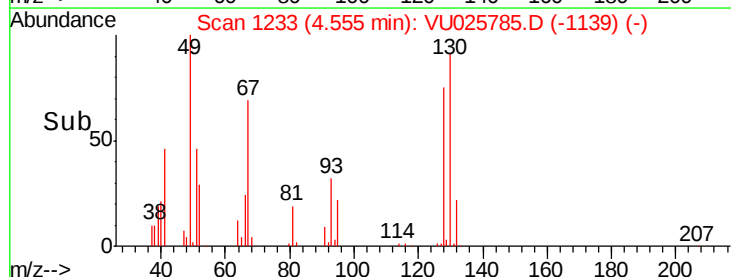
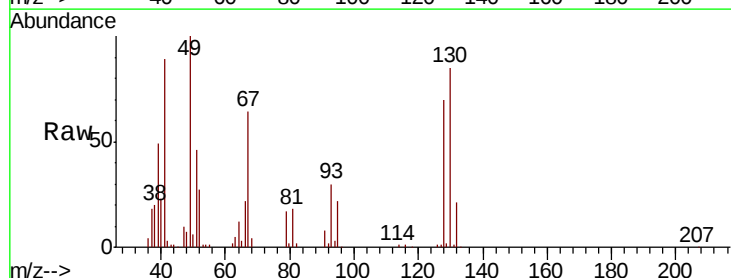
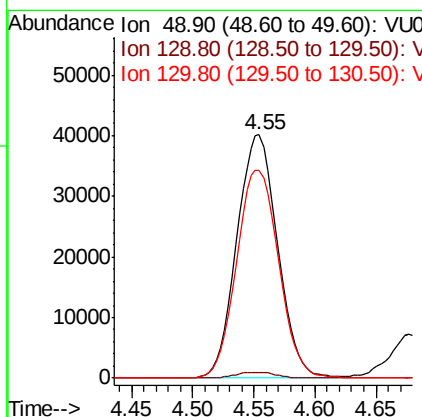
RT: 4.55 min Scan# 1233

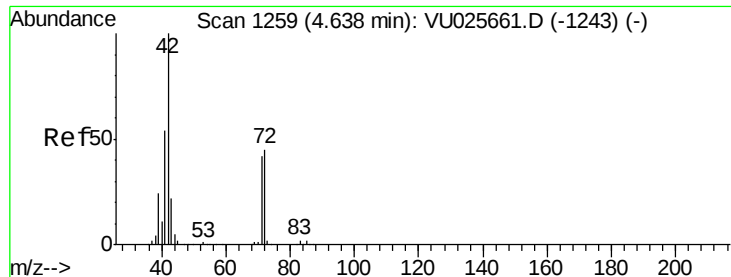
Delta R.T. 0.00 min

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





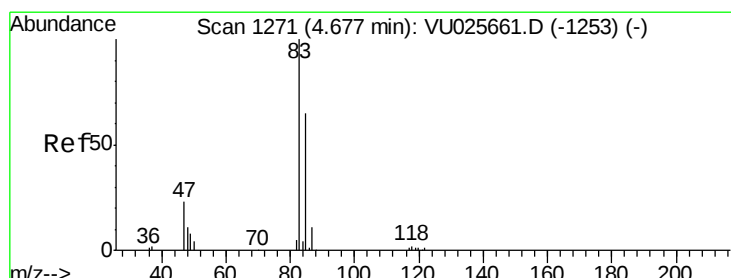
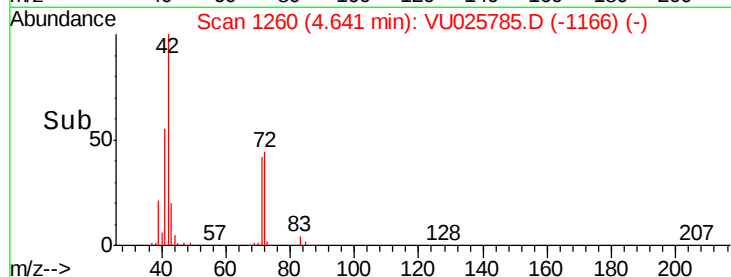
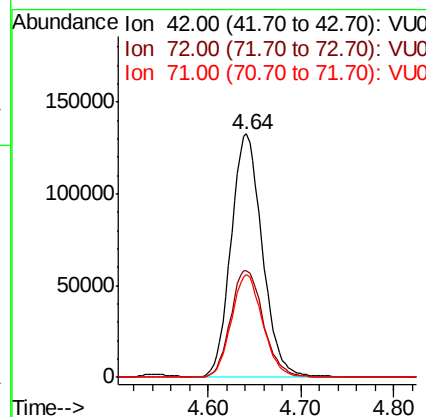
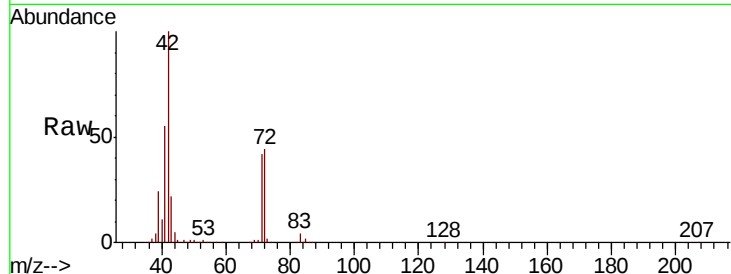
#29
Tetrahydrofuran
Concen: 268.674 ug/l
RT: 4.64 min Scan# 1260
Delta R.T. 0.00 min
Lab File: VU025785.D
Acq: 01 Aug 2018 18:39

Instrument :
MSVOA_U
ClientSampleId :
GW-03MSD

Tot Ion	Ratio	Lower	Upper
42	100		
72	46.2	36.7	55.1
71	42.3	33.9	50.9

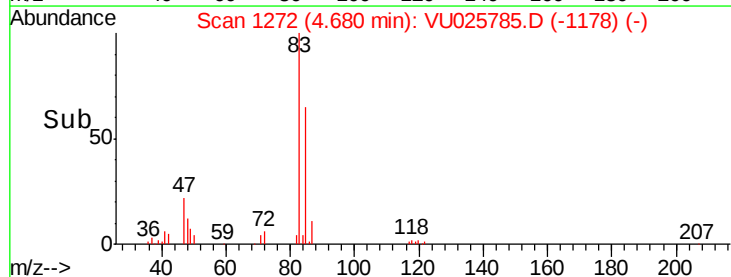
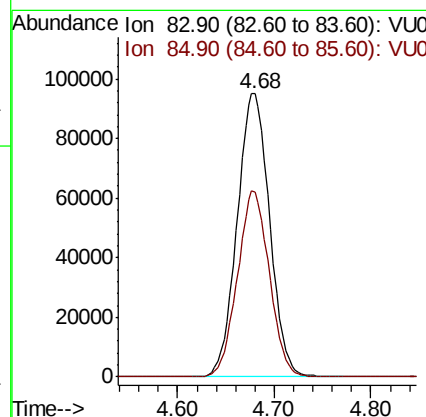
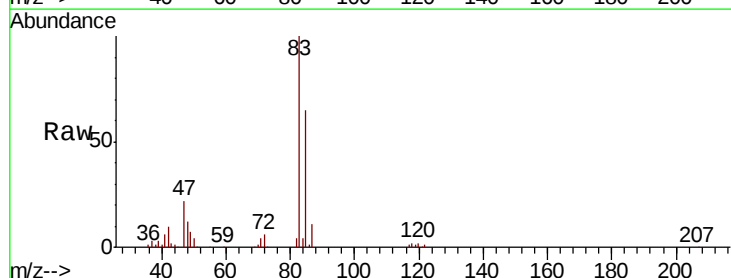
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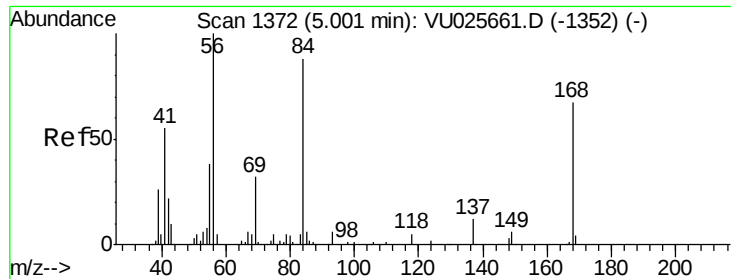
MMDadoda
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#30
Chloroform
Concen: 49.318 ug/l
RT: 4.68 min Scan# 1272
Delta R.T. 0.00 min
Lab File: VU025785.D
Acq: 01 Aug 2018 18:39

Tgt Ion	Ratio	Lower	Upper
83	100		
85	65.2	51.5	77.3





#31

Cyclohexane

Concen: 48.808 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

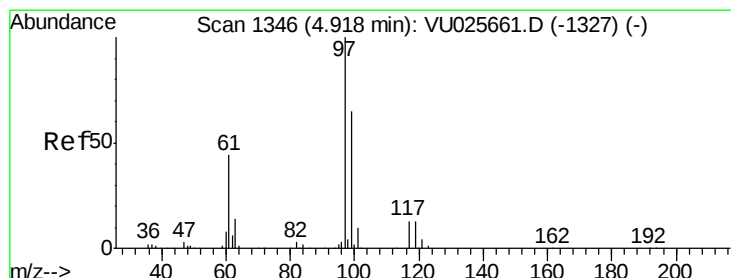
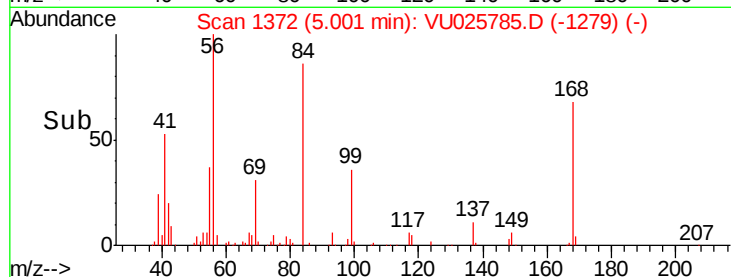
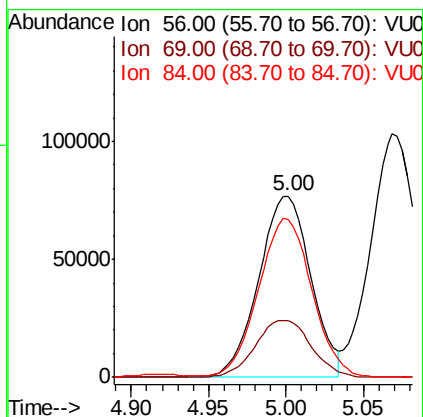
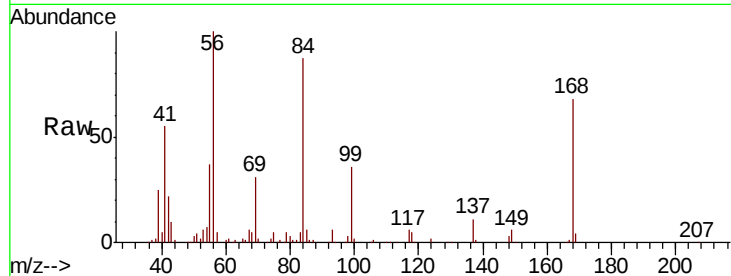
ClientSampled :

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

Manual Integrations
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#32

1,1,1-Trichloroethane

Concen: 49.783 ug/l

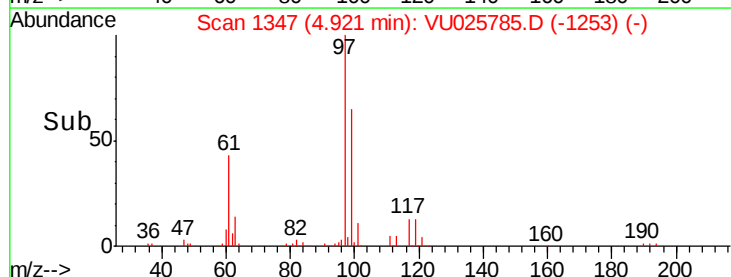
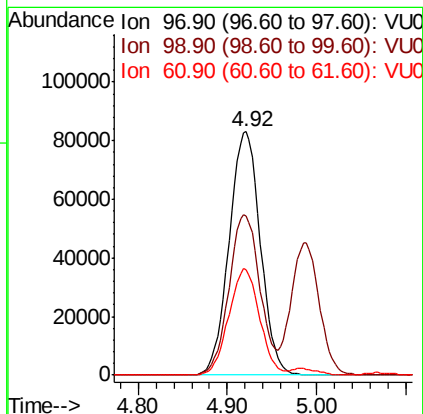
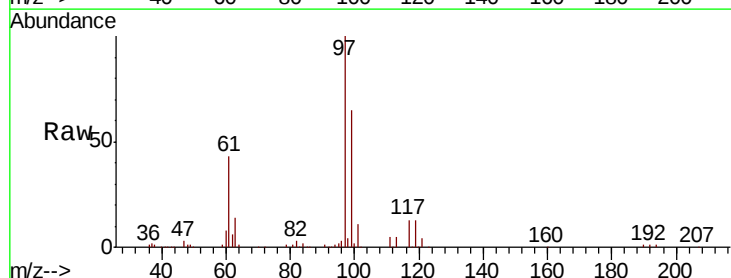
RT: 4.92 min Scan# 1347

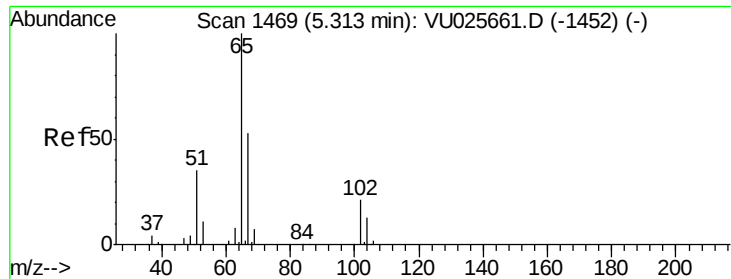
Delta R.T. 0.00 min

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





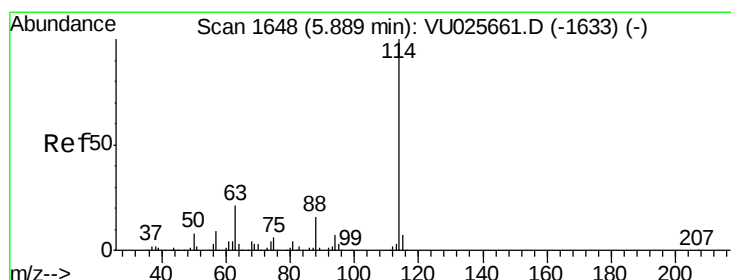
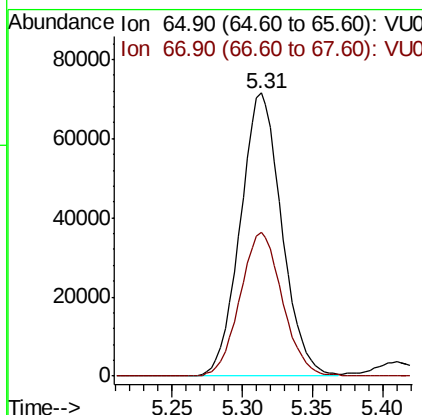
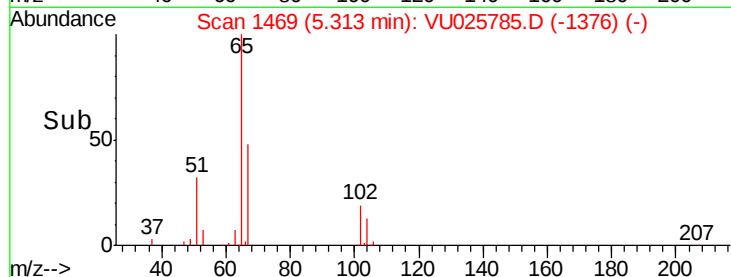
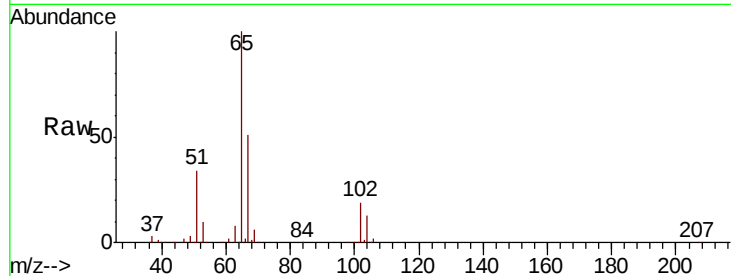
#33
 1,2-Dichloroethane-d4
 Concen: 50.637 ug/l
 RT: 5.31 min Scan# 1469
 Delta R.T. 0.00 min
 Lab File: VU025785.D
 Acq: 01 Aug 2018 18:39

Instrument :
 MSVOA_U
 ClientSampleId :
 GW-03MSD

Tot Ion	Ratio	Resp	Lower	Upper
65	100	146956		
67	51.9	0.0	103.6	

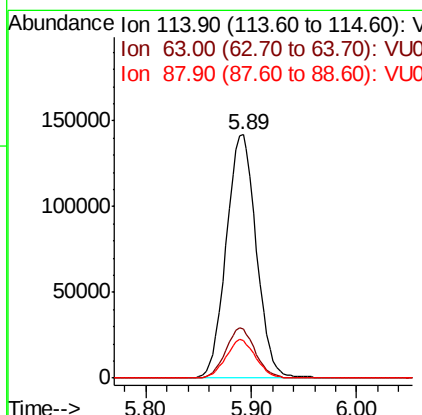
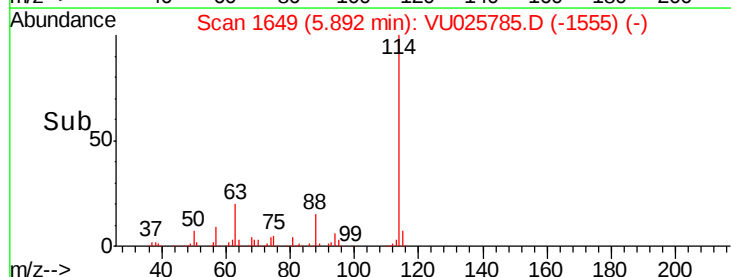
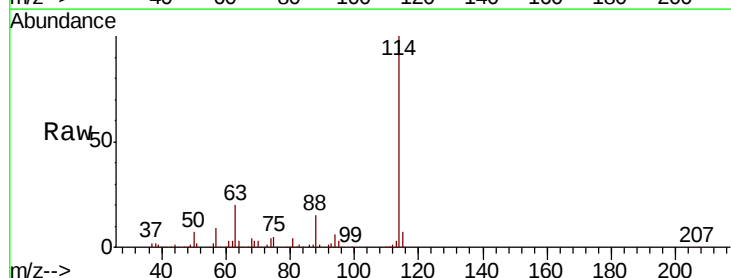
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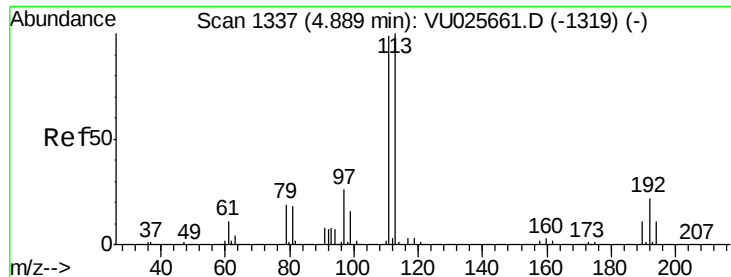
MMDadoda
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 5.89 min Scan# 1649
 Delta R.T. 0.00 min
 Lab File: VU025785.D
 Acq: 01 Aug 2018 18:39

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	279801		
63	20.0	0.0	41.6	
88	15.3	0.0	32.4	





#35

Dibromofluoromethane

Concen: 50.636 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

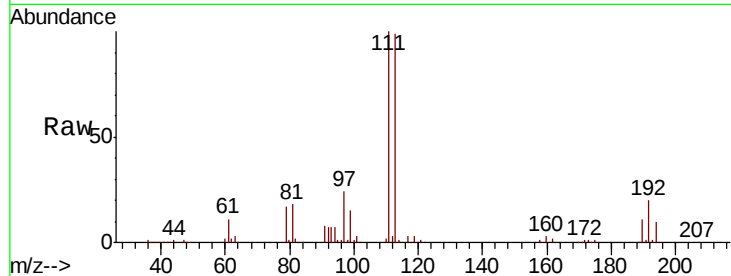
ClientSampleId :

GW-03MSD

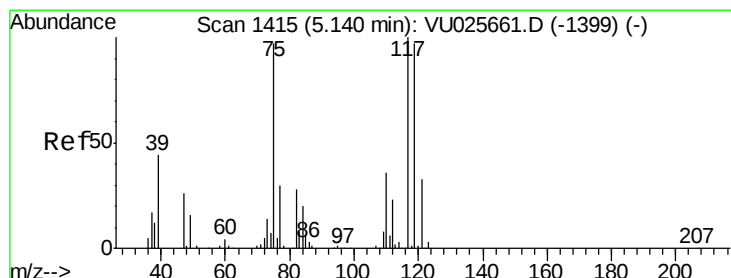
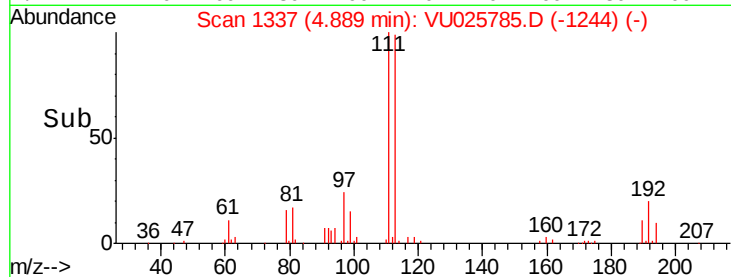
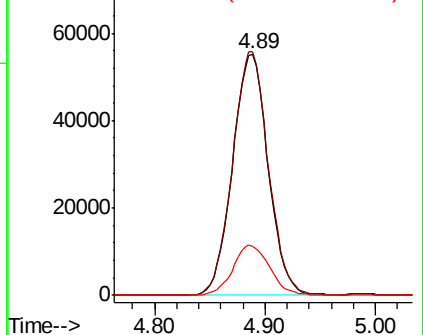
Tot Ion:	113	Resp:	123226
Ion Ratio	Lower	Upper	
113	100		
111	101.4	81.7	122.5
192	21.4	17.1	25.7

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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: 50.002 ug/l

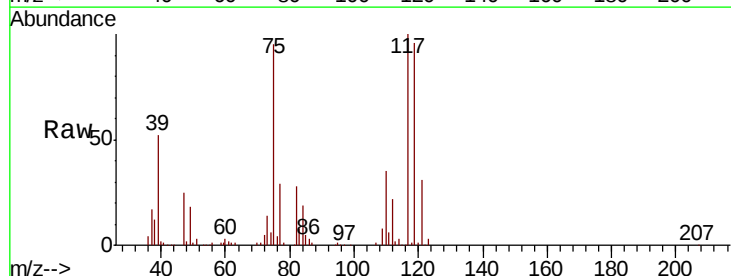
RT: 5.14 min Scan# 1415

Delta R.T. 0.00 min

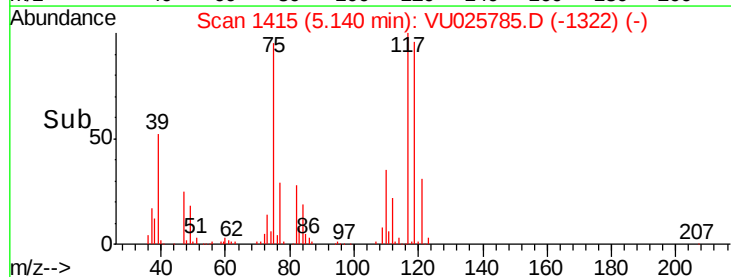
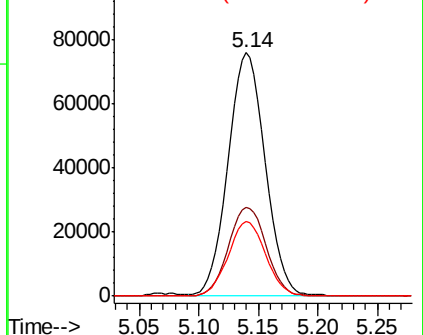
Lab File: VU025785.D

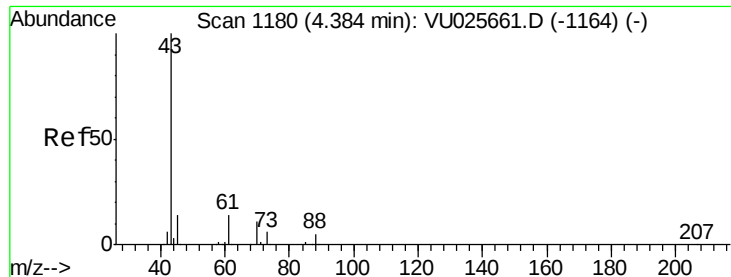
Acq: 01 Aug 2018 18:39

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





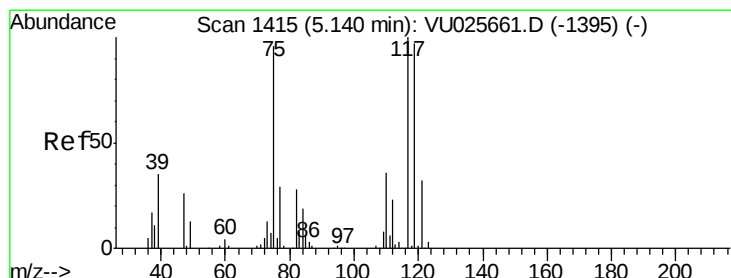
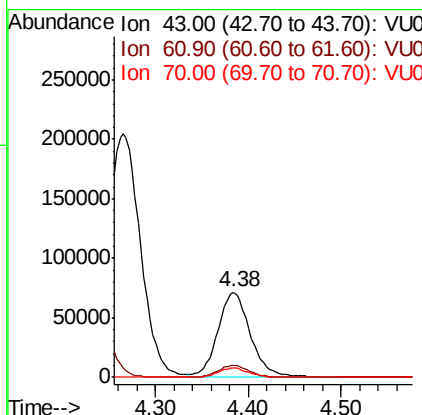
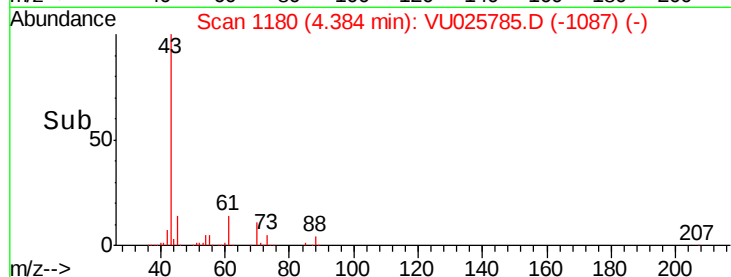
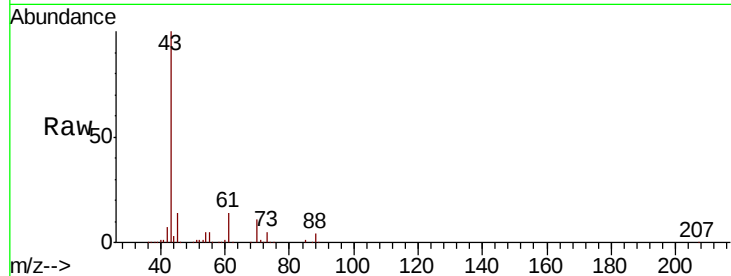
#37
Ethyl Acetate
Concen: 50.690 ug/l
RT: 4.38 min Scan# 1180
Delta R.T. 0.00 min
Lab File: VU025785.D
Acq: 01 Aug 2018 18:39

Instrument :
MSVOA_U
ClientSampled :
GW-03MSD

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

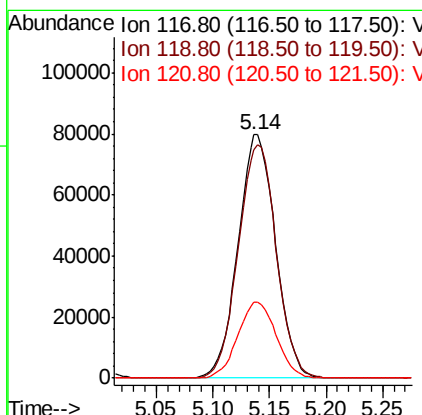
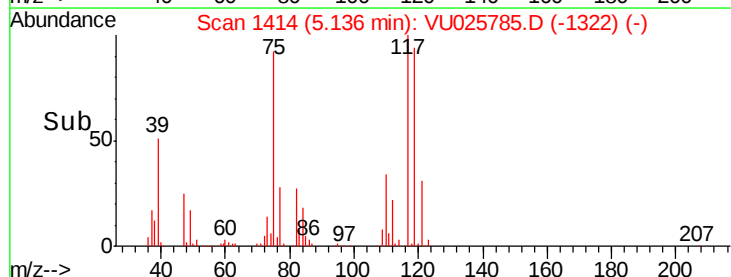
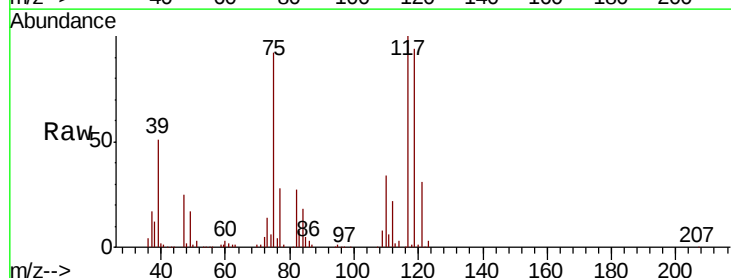
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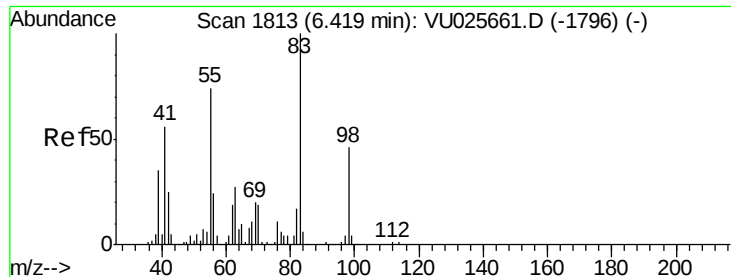
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#38
Carbon Tetrachloride
Concen: 49.632 ug/l
RT: 5.14 min Scan# 1414
Delta R.T. -0.00 min
Lab File: VU025785.D
Acq: 01 Aug 2018 18:39

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





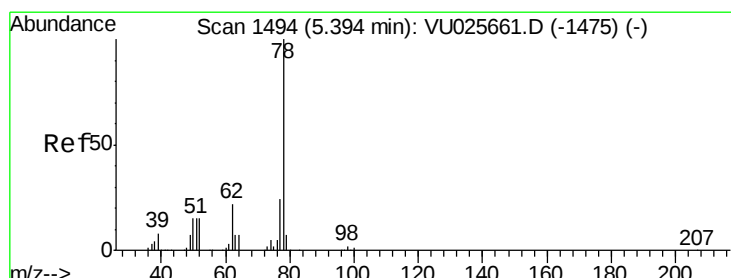
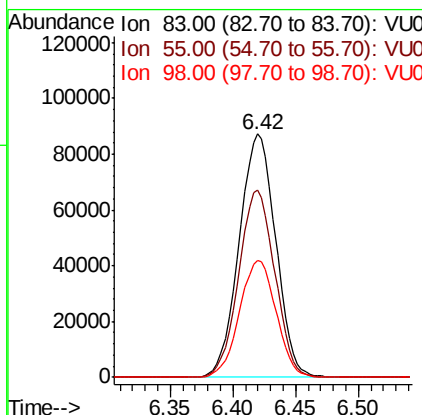
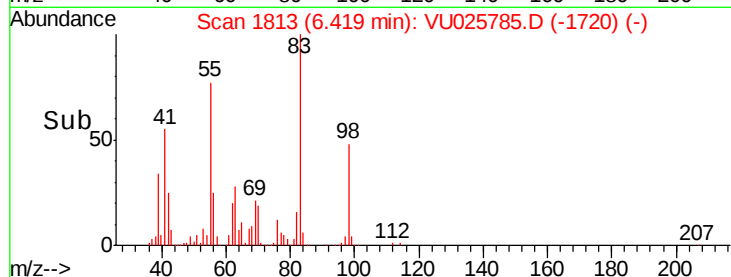
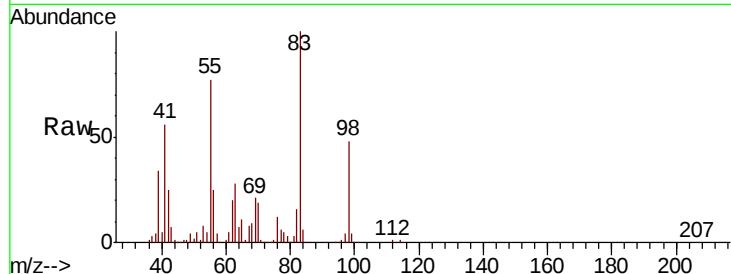
#39
Methvlcvclohexane
Concen: 47.369 ug/l
RT: 6.42 min Scan# 1813
Delta R.T. 0.00 min
Lab File: VU025785.D
Acq: 01 Aug 2018 18:39

Instrument :
MSVOA_U
ClientSampleId :
GW-03MSD

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

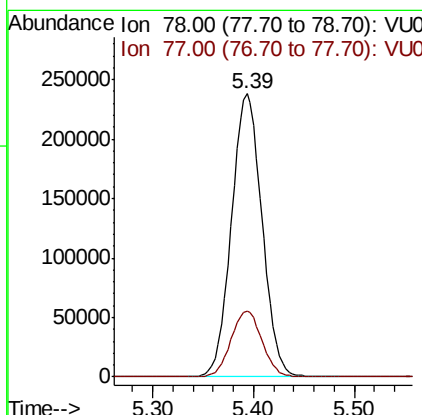
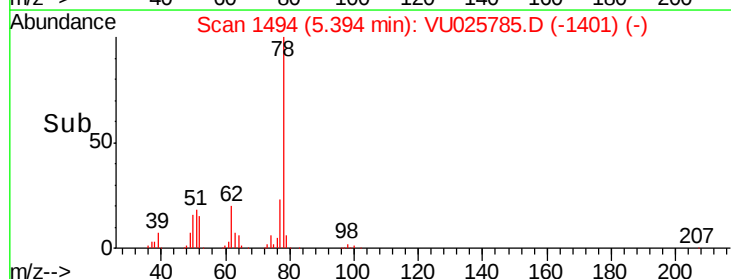
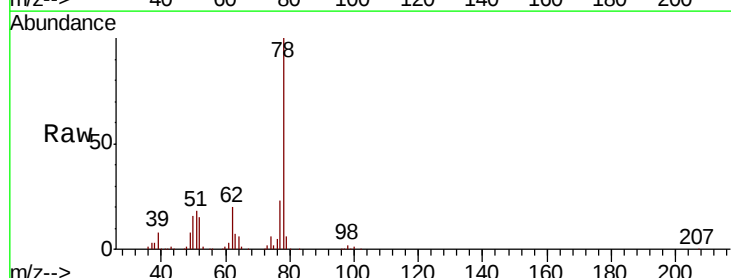
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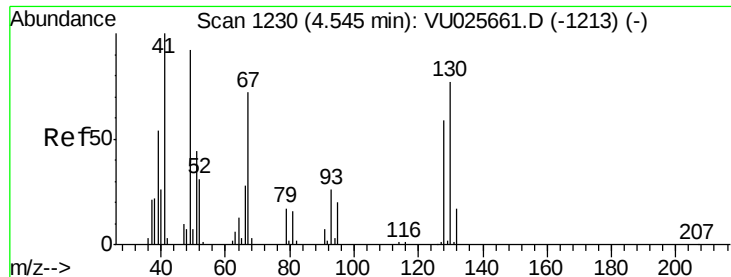
MMDadoda
8/2/2018 9:45:20 AM



#40
Benzene
Concen: 52.448 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	Ratio	Resp	Lower	Upper
78	100	501312		
77	23.4	19.8	29.6	





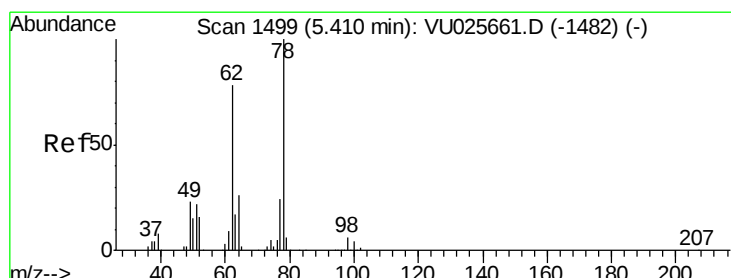
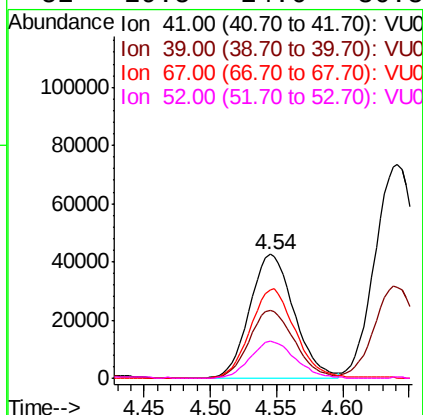
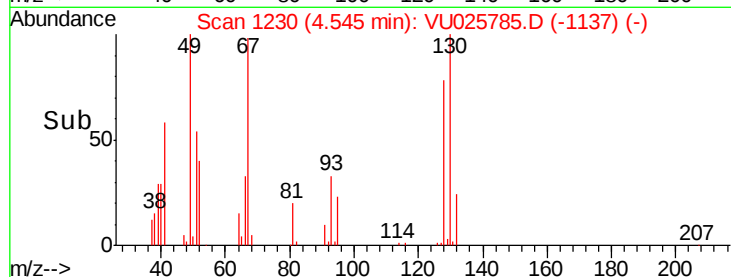
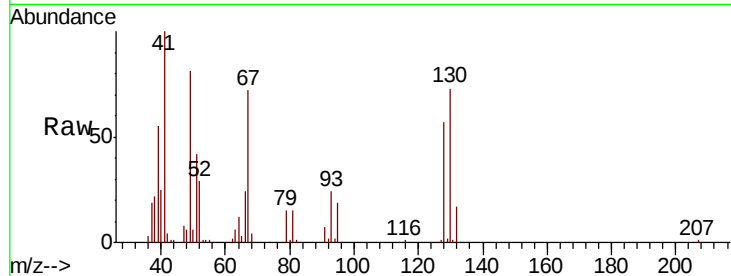
#41
Methacrylonitrile
Concen: 52.850 ug/l
RT: 4.54 min Scan# 1230
Delta R.T. 0.00 min
Lab File: VU025785.D
Acq: 01 Aug 2018 18:39

Instrument :
MSVOA_U
ClientSampleId :
GW-03MSD

Tot Ion	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

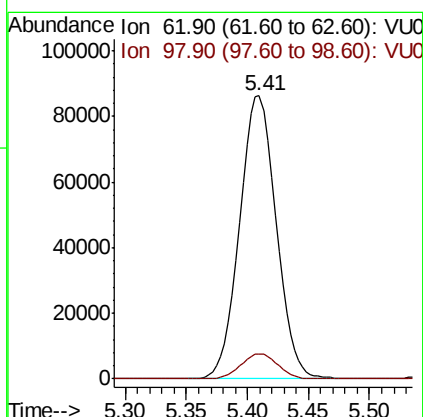
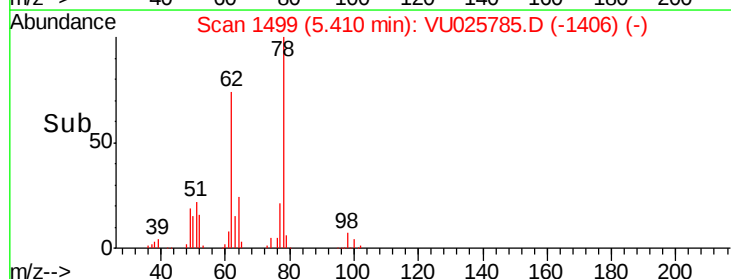
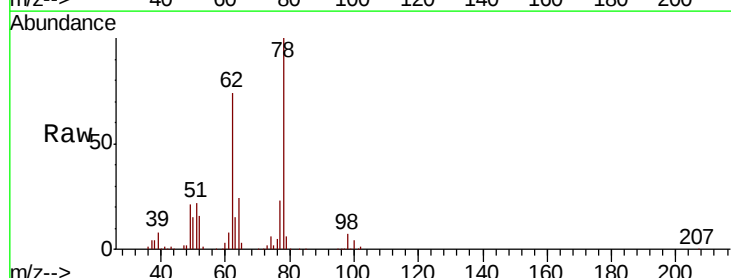
Manual Integrations
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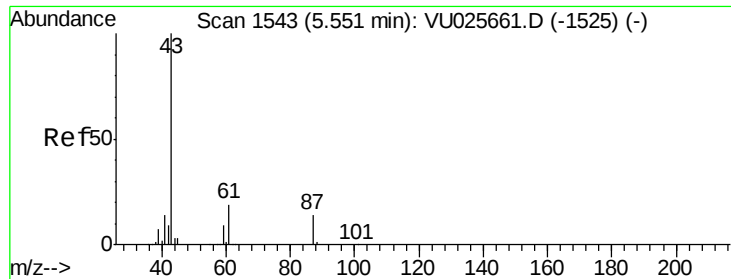
MMDadoda
8/2/2018 9:45:20 AM



#42
1,2-Dichloroethane
Concen: 48.695 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	Ratio	Lower	Upper
62	100		
98	8.8	0.0	16.4





#43

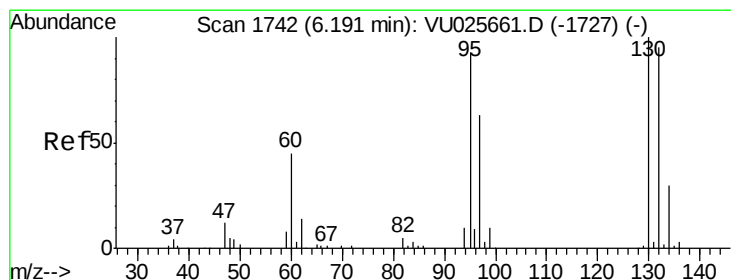
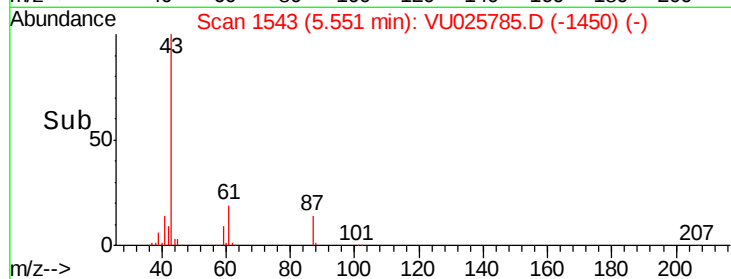
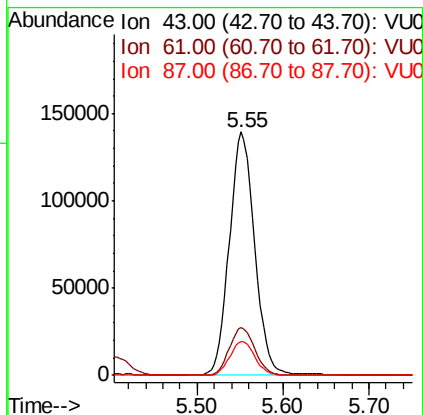
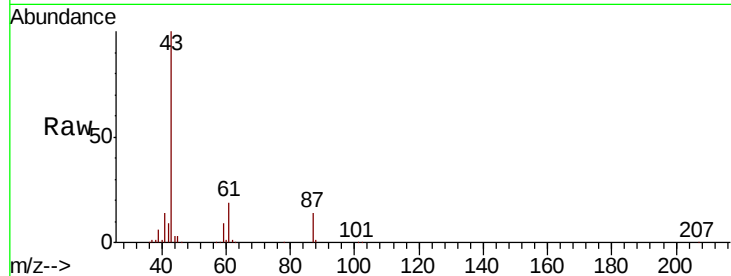
Isopropyl Acetate
 Concen: 50.570 ug/l
 RT: 5.55 min Scan# 1543
 Delta R.T. 0.00 min
 Lab File: VU025785.D
 Acq: 01 Aug 2018 18:39

Instrument :
 MSVOA_U
 ClientSampleId :
 GW-03MSD

Tot Ion	Ratio	Lower	Upper
43	100		
61	19.9	15.5	23.3
87	13.8	10.6	16.0

Manual Integrations
 APPROVED

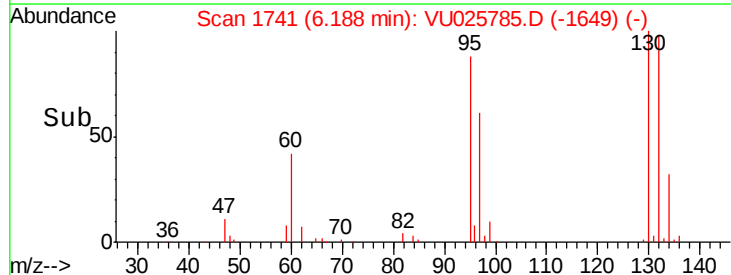
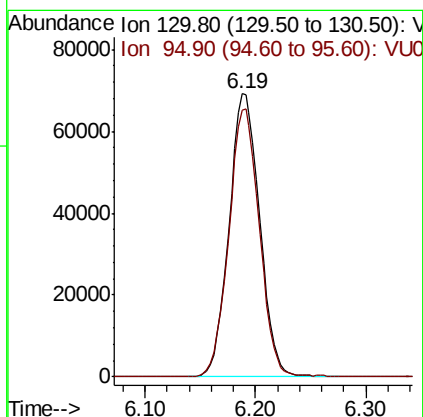
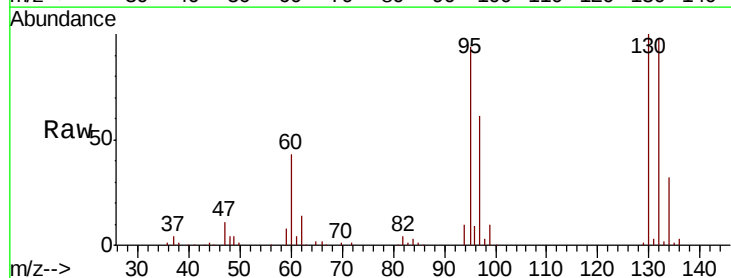
MMDadoda
 8/2/2018 9:45:20 AM

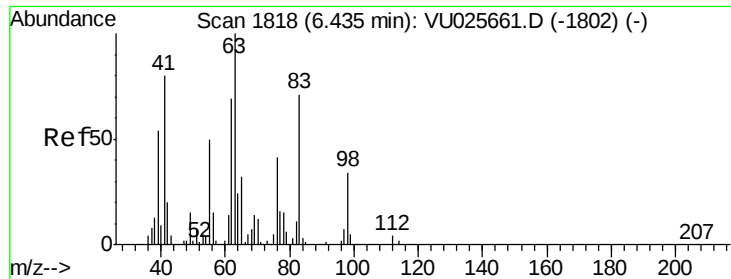


#44

Trichloroethene
 Concen: 49.977 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	Ratio	Lower	Upper
130	100		
95	94.4	0.0	192.2





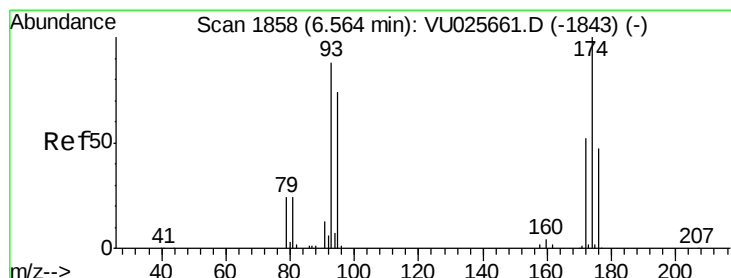
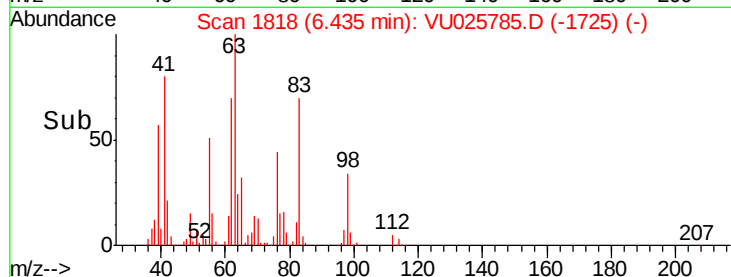
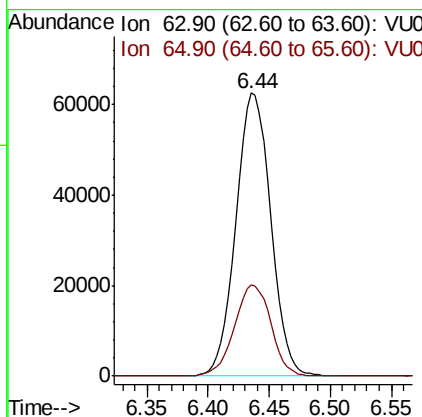
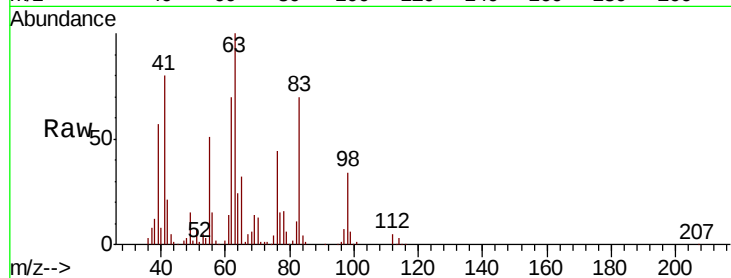
#45
 1,2-Dichloropropane
 Concen: 49.700 ug/l
 RT: 6.44 min Scan# 1818
 Delta R.T. 0.00 min
 Lab File: VU025785.D
 Acq: 01 Aug 2018 18:39

Instrument :
 MSVOA_U
 ClientSampleId :
 GW-03MSD

Tot Ion	Ratio	Lower	Upper
63	100		
65	32.4	26.1	39.1

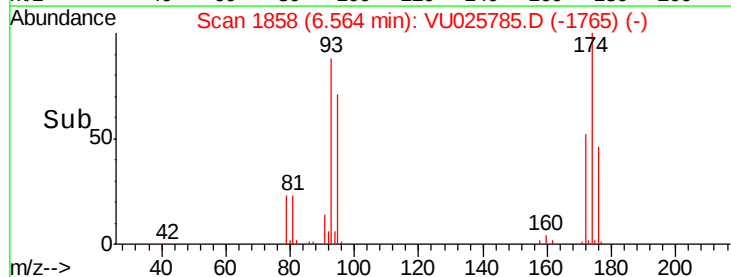
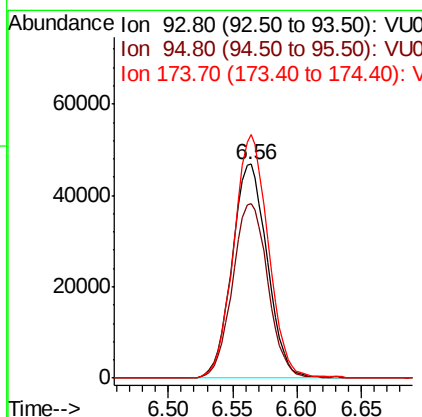
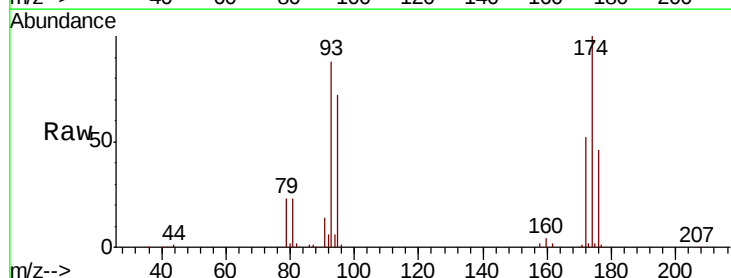
Manual Integrations
 APPROVED

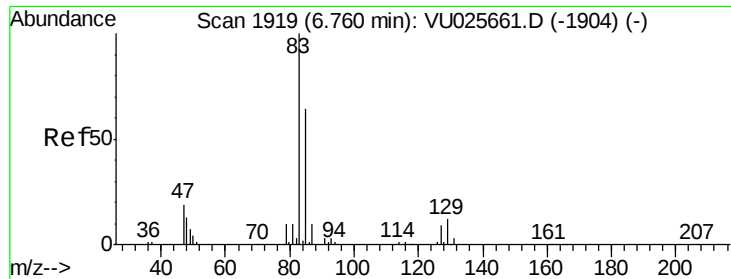
MMDadoda
 8/2/2018 9:45:20 AM



#46
 Dibromomethane
 Concen: 49.274 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	Ratio	Lower	Upper
93	100		
95	81.9	66.6	100.0
174	112.0	85.8	128.8





#47

Bromodichloromethane

Concen: 50.064 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

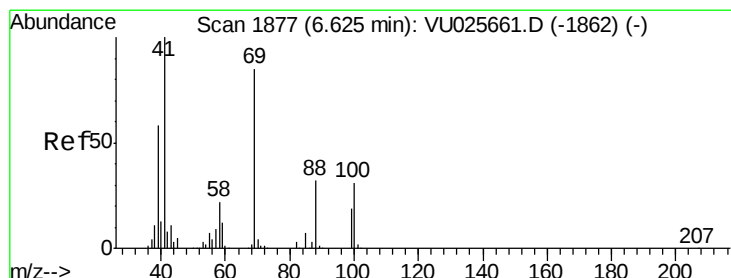
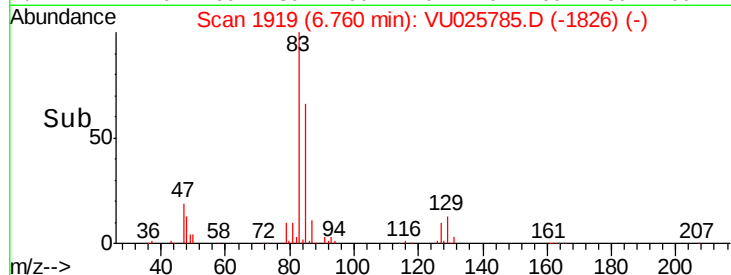
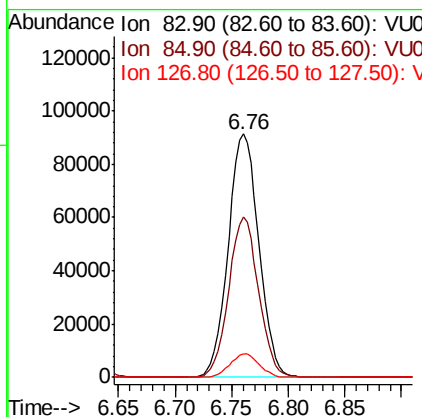
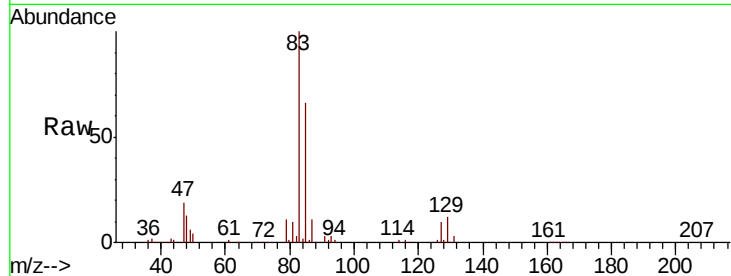
ClientSampleId :

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

Manual Integrations
APPROVED

MMDadoda
8/2/2018 9:45:20 AM



#48

Methyl methacrylate

Concen: 53.605 ug/l

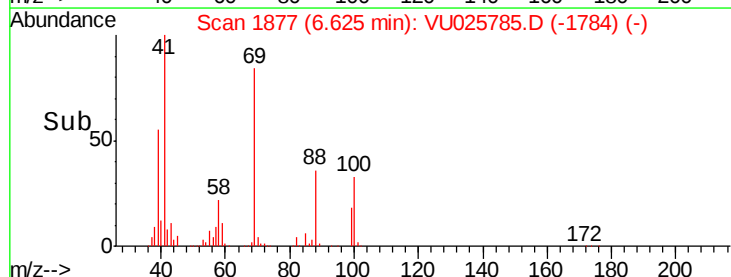
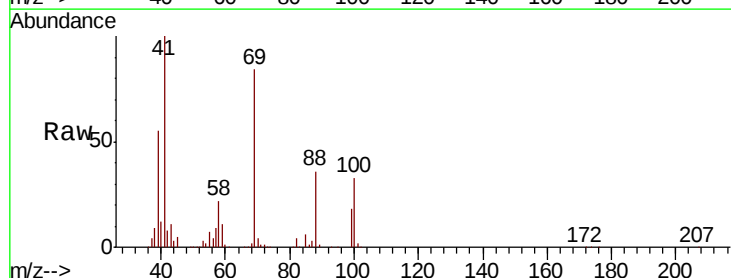
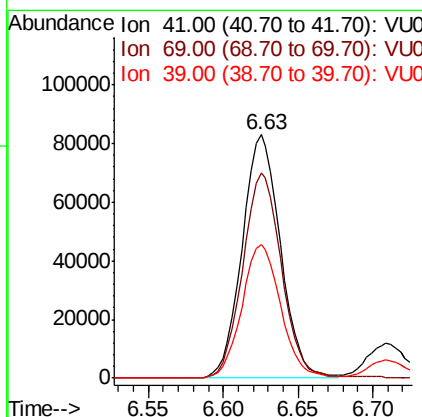
RT: 6.63 min Scan# 1877

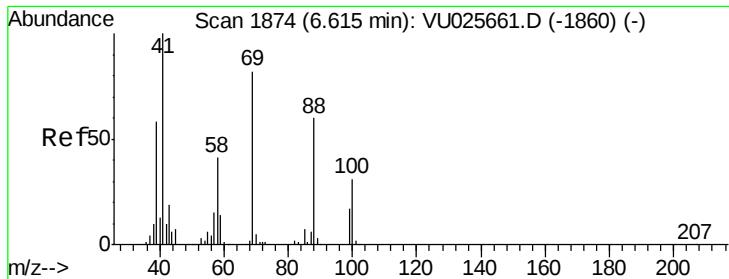
Delta R.T. 0.00 min

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





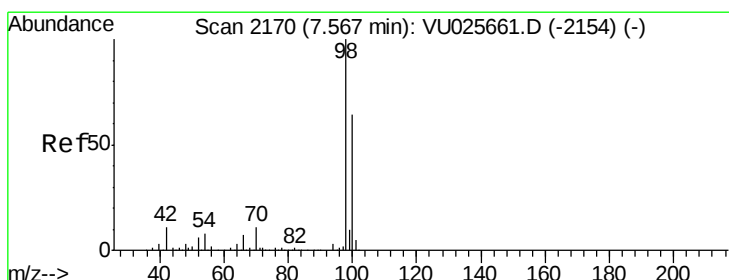
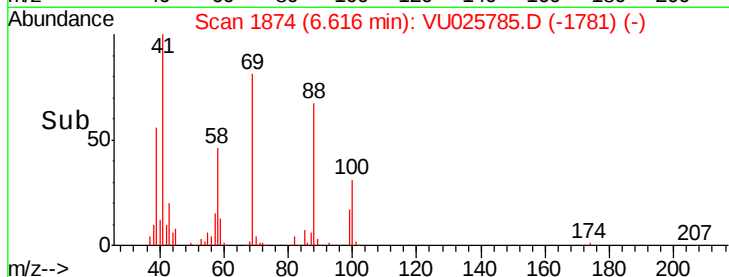
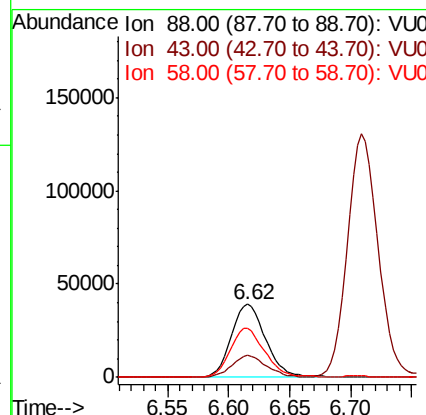
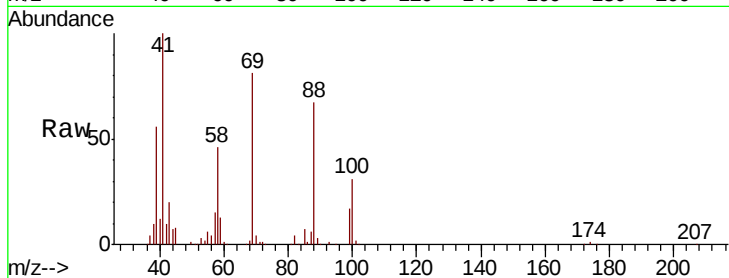
#49
1,4-Dioxane
Concen: 1136.398 ug/l
RT: 6.62 min Scan# 1874
Delta R.T. 0.00 min
Lab File: VU025785.D
Acq: 01 Aug 2018 18:39

Instrument :
MSVOA_U
ClientSampleId :
GW-03MSD

Tot Ion	Ratio	Lower	Upper
88	100		
43	31.4	27.3	40.9
58	68.7	57.6	86.4

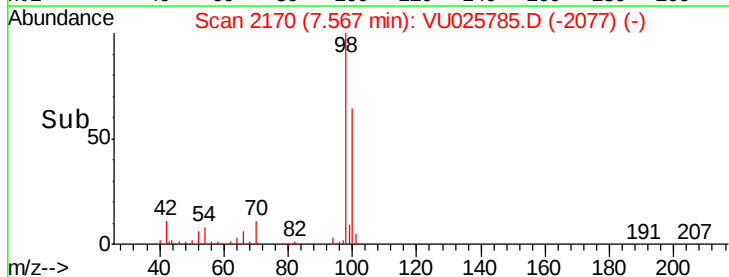
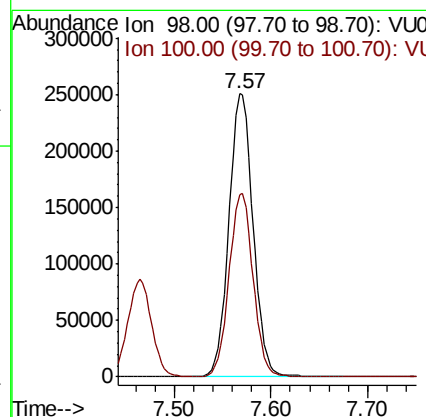
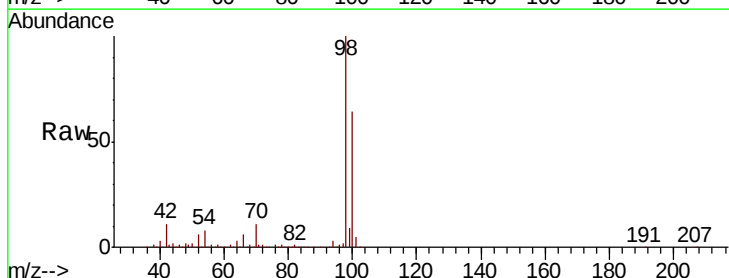
Manual Integrations
APPROVED

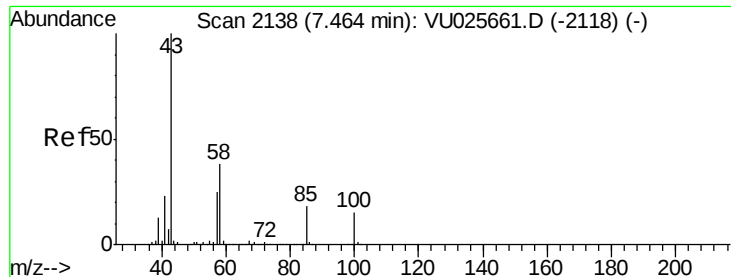
MMDadoda
8/2/2018 9:45:20 AM



#50
Toluene-d8
Concen: 51.051 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	Ratio	Lower	Upper
98	100		
100	64.1	51.1	76.7





#51

4-Methyl-2-Pentanone

Concen: 266.911 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

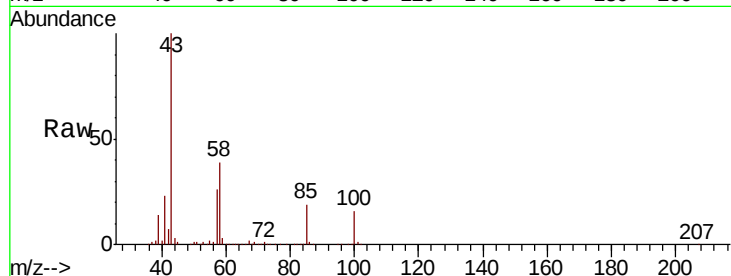
58 39.4 31.0 46.4

Manual Integrations

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MMDadoda

8/2/2018 9:45:20 AM



Abundance Ion 43.00 (42.70 to 43.70): VU025661.D (-2118) (-)

Ion 58.00 (57.70 to 58.70): VU025661.D (-2118) (-)

7.46

600000

500000

400000

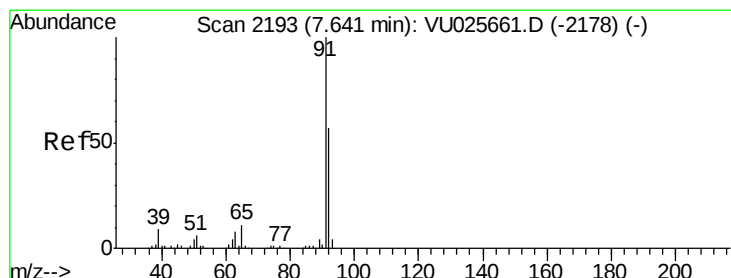
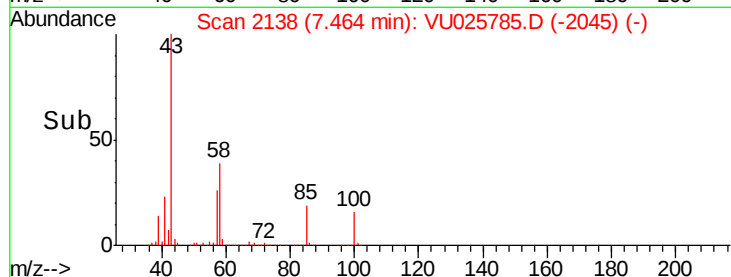
300000

200000

100000

0

Time-->



#52

Toluene

Concen: 51.395 ug/l

RT: 7.64 min Scan# 2193

Delta R.T. 0.00 min

Lab File: VU025785.D

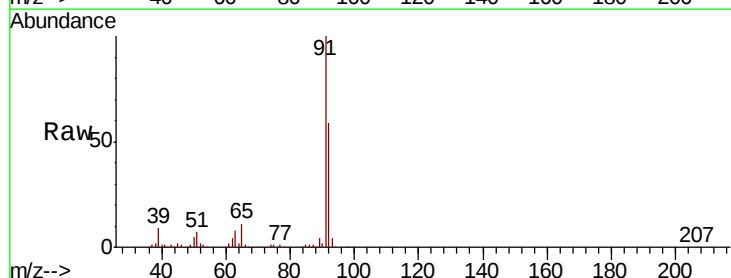
Acq: 01 Aug 2018 18:39

Tgt Ion: 92 Resp: 305185

Ion Ratio Lower Upper

92 100

91 171.1 139.2 208.8



Abundance Ion 92.00 (91.70 to 92.70): VU025661.D (-2178) (-)

Ion 91.00 (90.70 to 91.70): VU025661.D (-2178) (-)

7.64

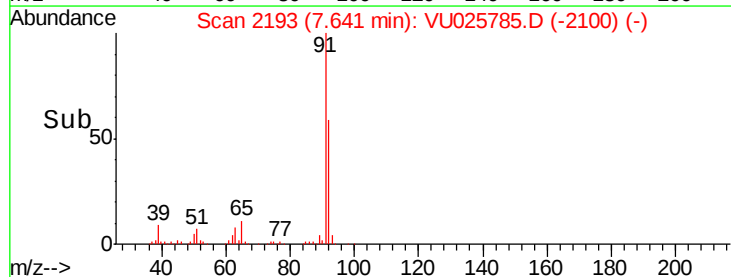
300000

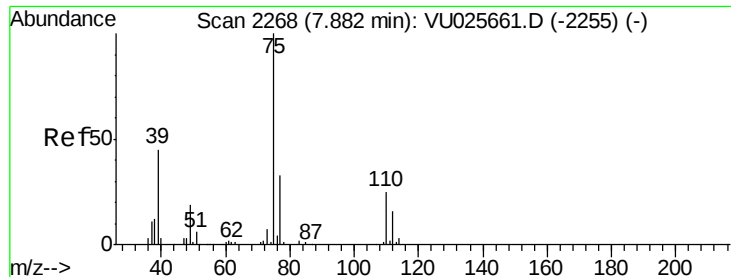
200000

100000

0

Time-->





#53

t-1,3-Dichloropropene

Concen: 51.228 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

ClientSampled :

GW-03MSD

Tot Ion: 75 Resp: 198180

Ion Ratio Lower Upper

75 100

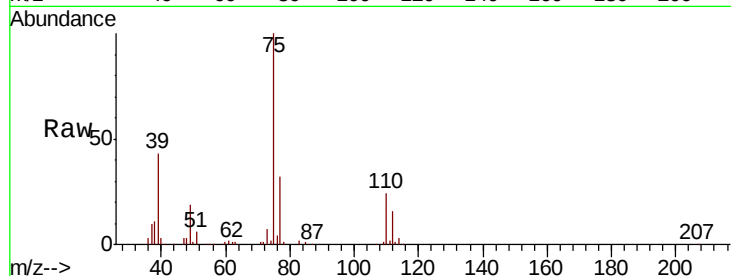
77 32.0 24.5 36.7

Manual Integrations

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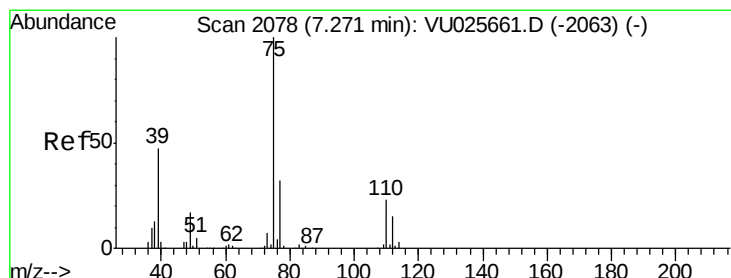
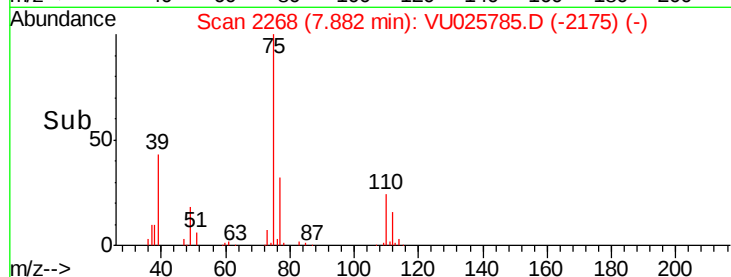
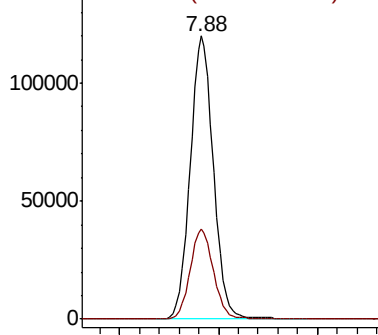
MMDadoda

8/2/2018 9:45:20 AM



Abundance Ion 74.90 (74.60 to 75.60): VU0

Ion 76.90 (76.60 to 77.60): VU0



#54

cis-1,3-Dichloropropene

Concen: 51.094 ug/l

RT: 7.27 min Scan# 2078

Delta R.T. 0.00 min

Lab File: VU025785.D

Acq: 01 Aug 2018 18:39

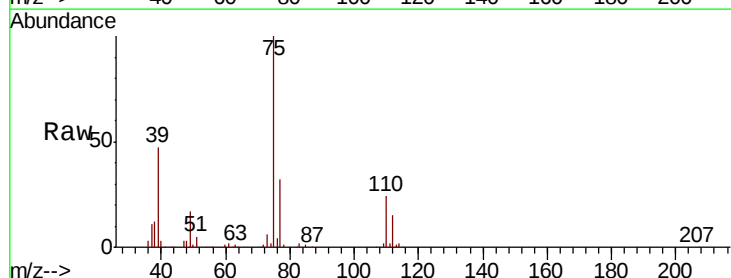
Tgt Ion: 75 Resp: 203044

Ion Ratio Lower Upper

75 100

77 32.4 25.6 38.4

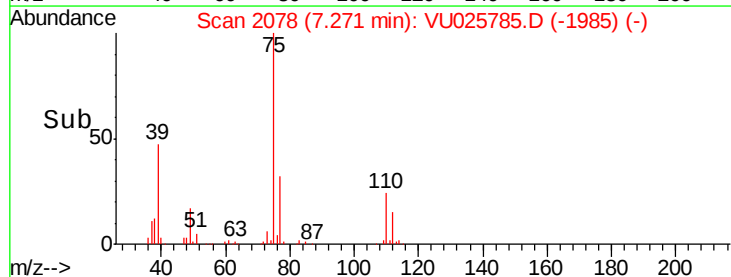
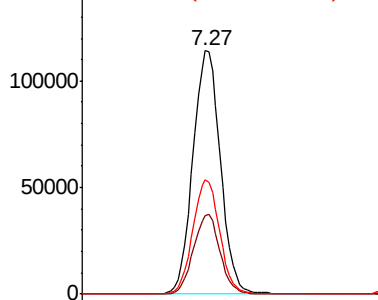
39 47.1 40.0 60.0

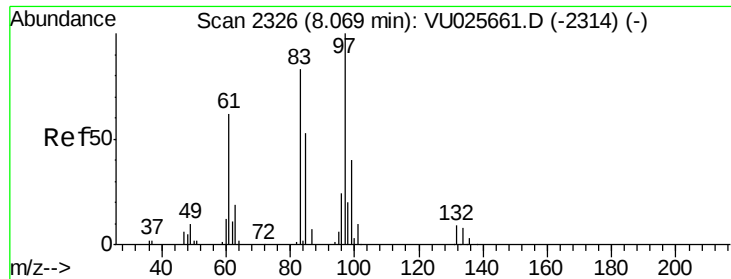


Abundance Ion 74.90 (74.60 to 75.60): VU0

Ion 76.90 (76.60 to 77.60): VU0

Ion 39.00 (38.70 to 39.70): VU0





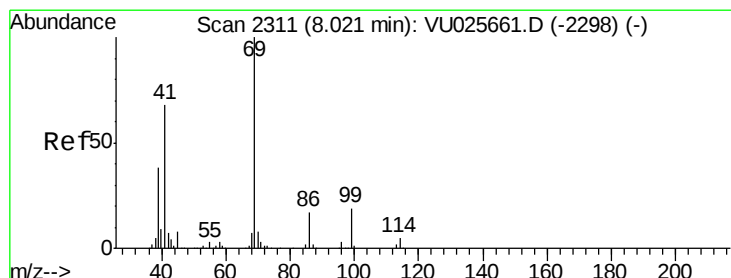
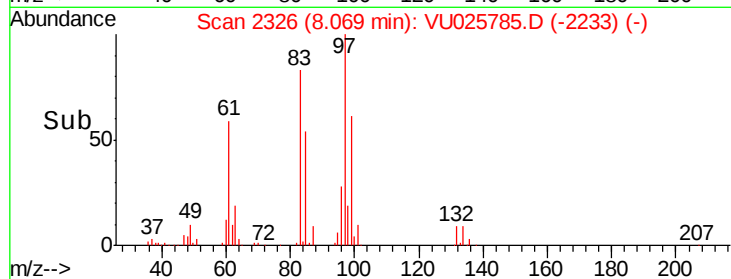
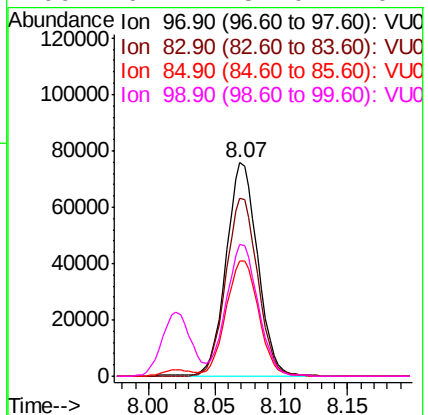
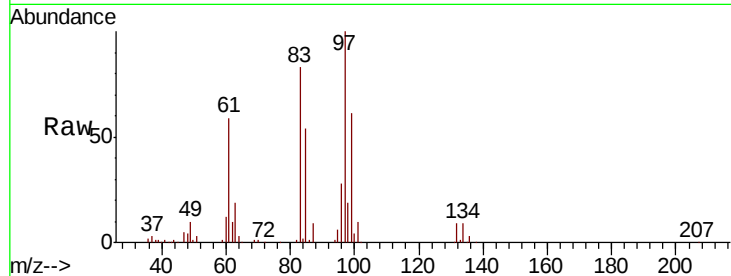
#55
 1,1,2-Trichloroethane
 Concen: 50.757 ug/l
 RT: 8.07 min Scan# 2326
 Delta R.T. 0.00 min
 Lab File: VU025785.D
 Acq: 01 Aug 2018 18:39

Instrument :
 MSVOA_U
 ClientSampled :
 GW-03MSD

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

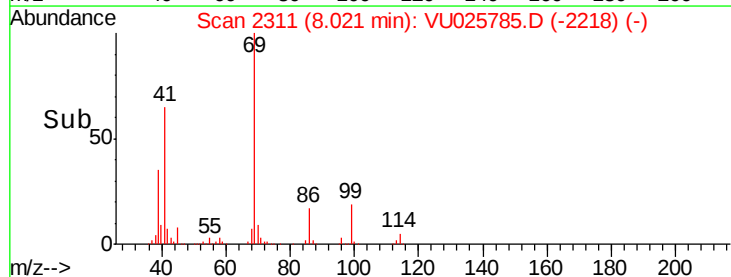
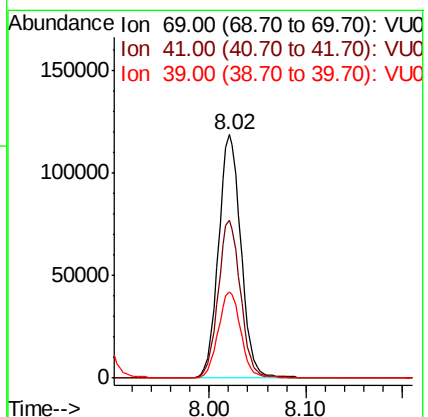
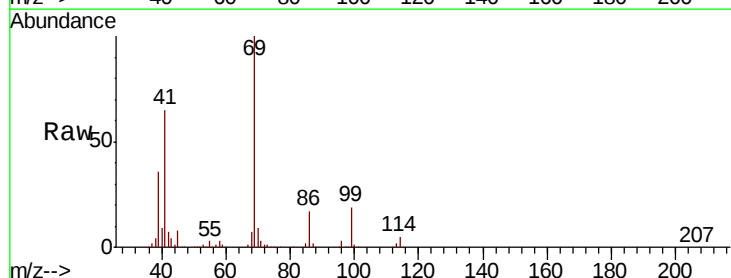
Manual Integrations
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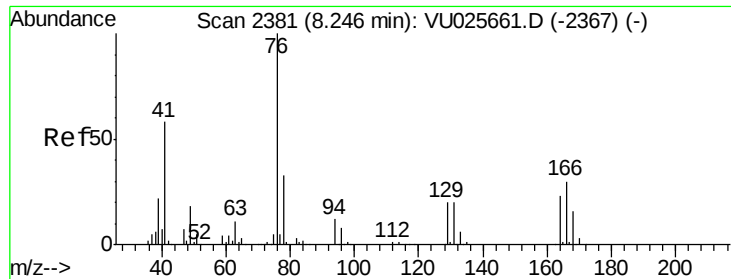
MMDadoda
 8/2/2018 9:45:20 AM



#56
 Ethyl methacrylate
 Concen: 54.238 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	Ion	Ratio	Resp	Lower	Upper
69	100		191234		
41	64.9	54.8	82.2		
39	35.6	31.1	46.7		





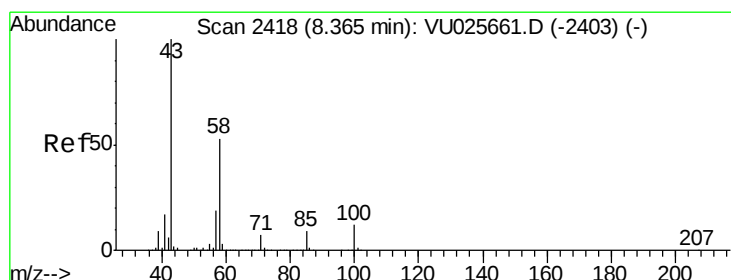
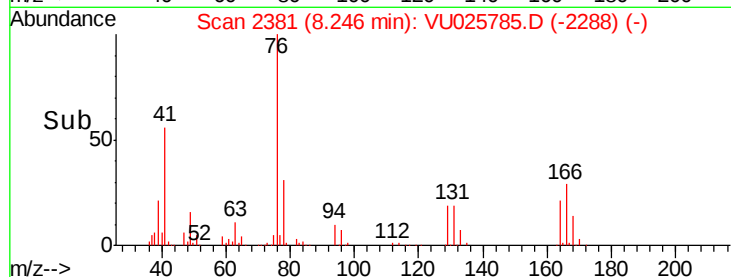
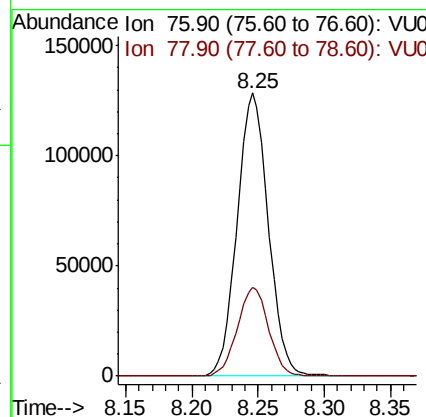
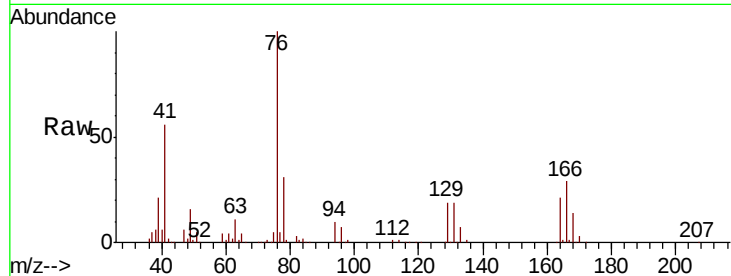
#57
 1,3-Dichloropropane
 Concen: 50.642 ug/l
 RT: 8.25 min Scan# 2381
 Delta R.T. 0.00 min
 Lab File: VU025785.D
 Acq: 01 Aug 2018 18:39

Instrument :
 MSVOA_U
 ClientSampled :
 GW-03MSD

Tot Ion	Ratio	Lower	Upper
76	100		
78	31.4	26.1	39.1

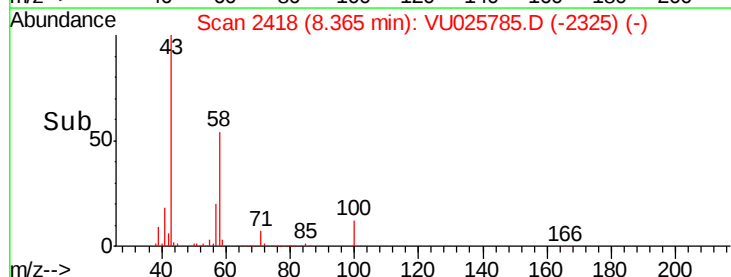
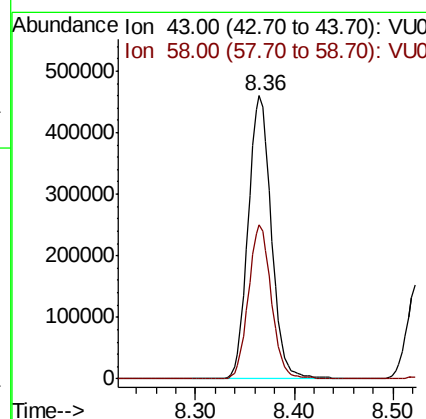
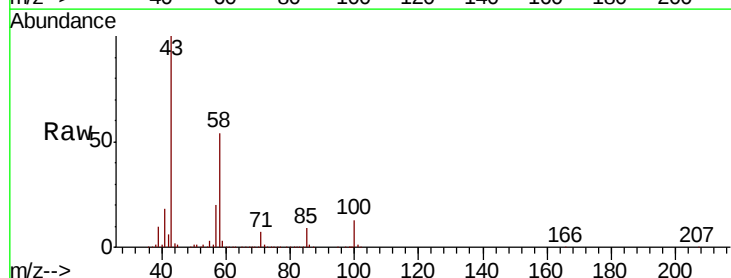
Manual Integrations
 APPROVED

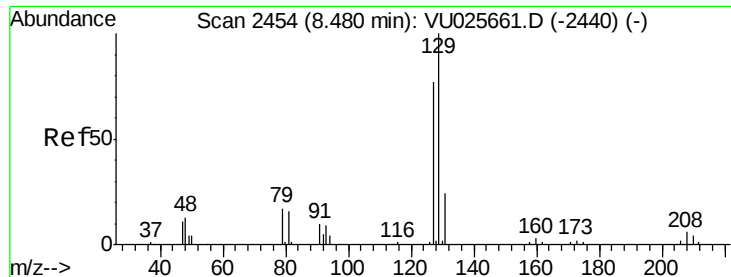
MMDadoda
 8/2/2018 9:45:20 AM



#59
 2-Hexanone
 Concen: 270.910 ug/l
 RT: 8.36 min Scan# 2418
 Delta R.T. 0.00 min
 Lab File: VU025785.D
 Acq: 01 Aug 2018 18:39

Tgt Ion	Ratio	Lower	Upper
43	100		
58	53.9	26.2	78.5





#60

Dibromochloromethane

Concen: 51.783 ug/l

RT: 8.48 min Scan# 2454

Delta R.T. 0.00 min

Lab File: VU025785.D

Acq: 01 Aug 2018 18:39

Instrument :

MSVOA_U

ClientSampled :

GW-03MSD

Tot Ion:129 Resp: 150693

Ion Ratio Lower Upper

129 100

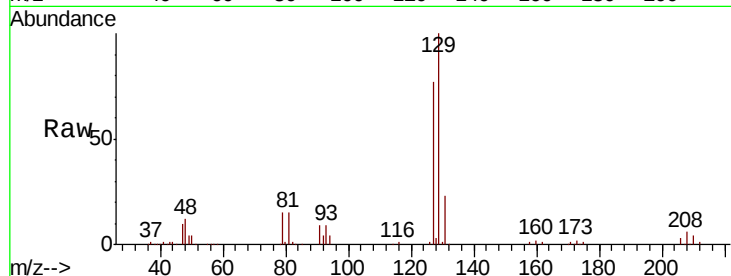
127 75.1 38.6 115.8

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Abundance Ion 128.80 (128.50 to 129.50): V

Ion 126.80 (126.50 to 127.50): V

8.48

100000

80000

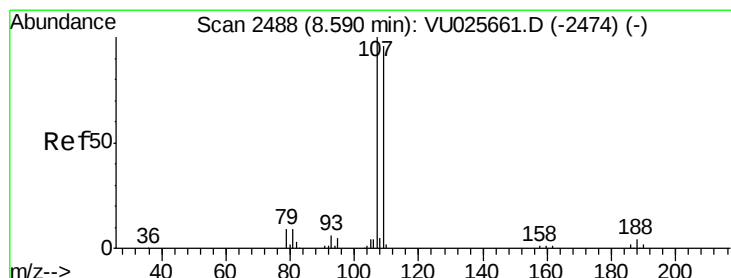
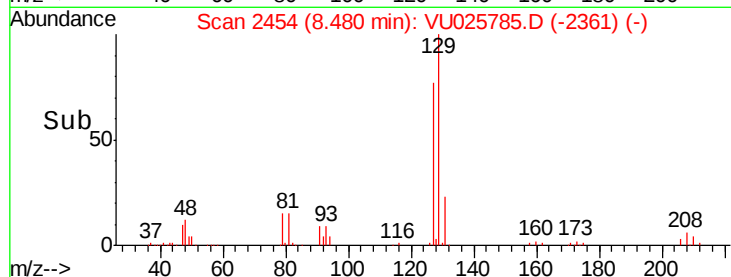
60000

40000

20000

0

Time--> 8.40 8.45 8.50 8.55



#61

1,2-Dibromoethane

Concen: 50.059 ug/l

RT: 8.59 min Scan# 2488

Delta R.T. 0.00 min

Lab File: VU025785.D

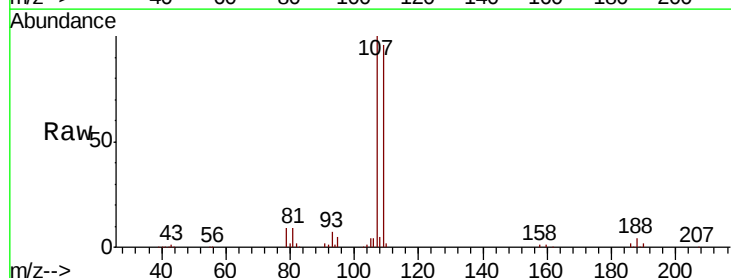
Acq: 01 Aug 2018 18:39

Tgt 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

8.59

80000

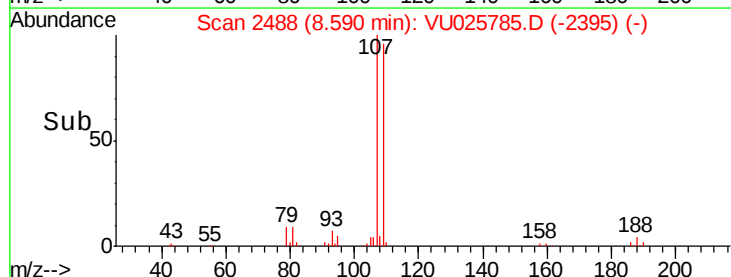
60000

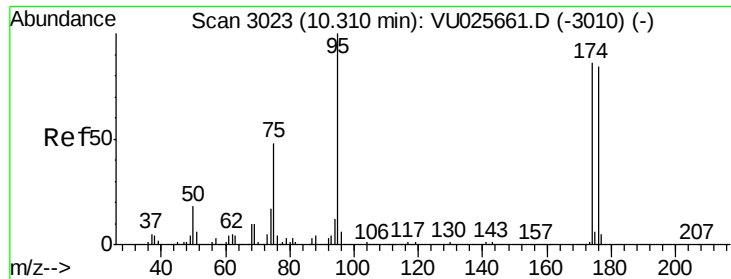
40000

20000

0

Time--> 8.50 8.55 8.60 8.65





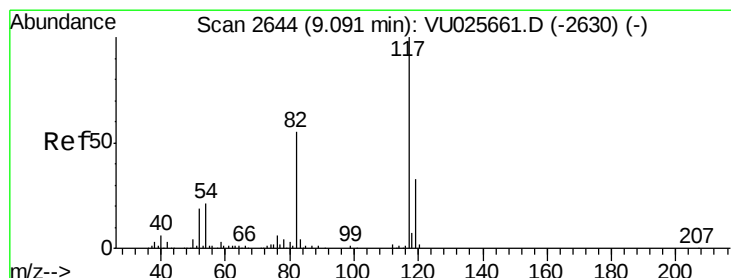
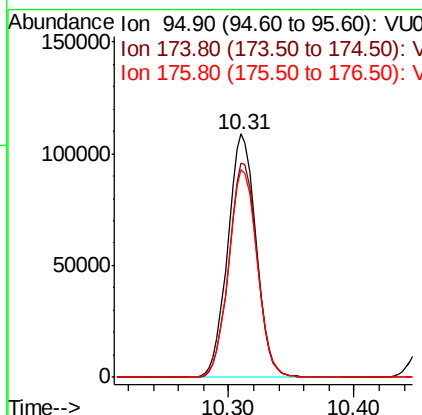
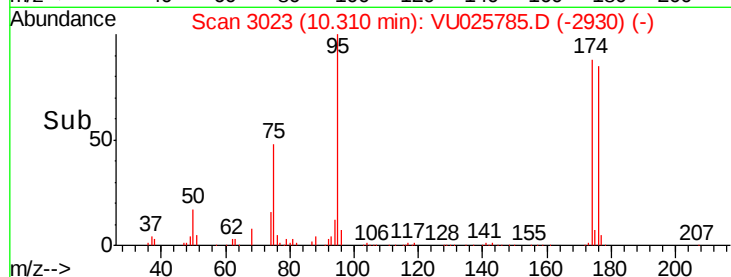
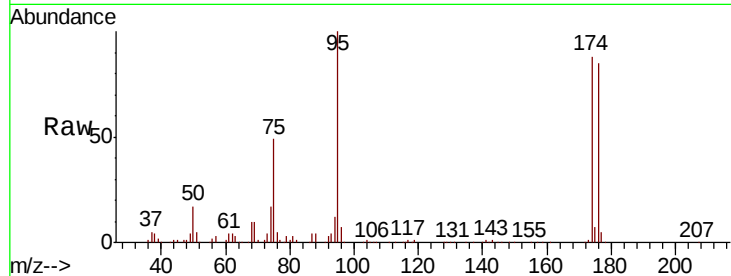
#62
4-Bromofluorobenzene
Concen: 51.556 ug/l
RT: 10.31 min Scan# 3023
Delta R.T. 0.00 min
Lab File: VU025785.D
Acq: 01 Aug 2018 18:39

Instrument :
MSVOA_U
ClientSampleId :
GW-03MSD

Tot Ion	Ratio	Resp	Lower	Upper
95	100	170411		
174	88.0	0.0	172.2	
176	85.8	0.0	162.6	

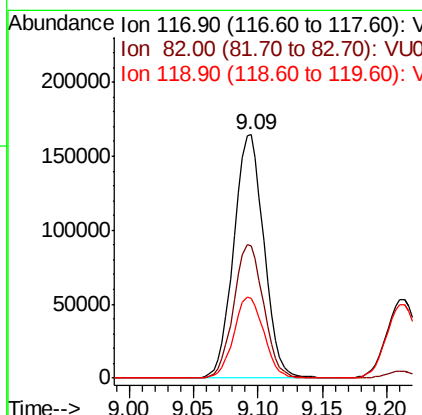
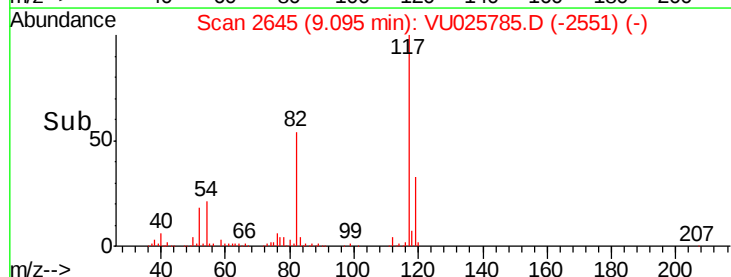
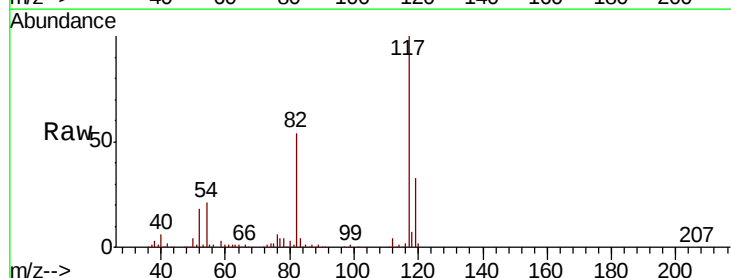
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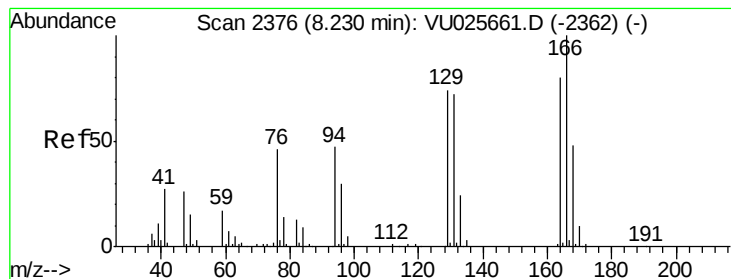
MMDadoda
8/2/2018 9:45:20 AM



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.09 min Scan# 2645
Delta R.T. 0.00 min
Lab File: VU025785.D
Acq: 01 Aug 2018 18:39

Tgt Ion	Ratio	Resp	Lower	Upper
117	100	267987		
82	54.3	46.0	69.0	
119	33.0	26.0	39.0	





#64

Tetrachloroethene

Concen: 48.043 ug/l

RT: 8.23 min Scan# 2376

Delta R.T. 0.00 min

Lab File: VU025785.D

Acq: 01 Aug 2018 18:39

Instrument :

MSVOA_U

ClientSampleId :

GW-03MSD

Tot Ion:164 Resp: 113325

Ion Ratio Lower Upper

164 100

166 125.2 101.1 151.7

129 91.8 73.0 109.6

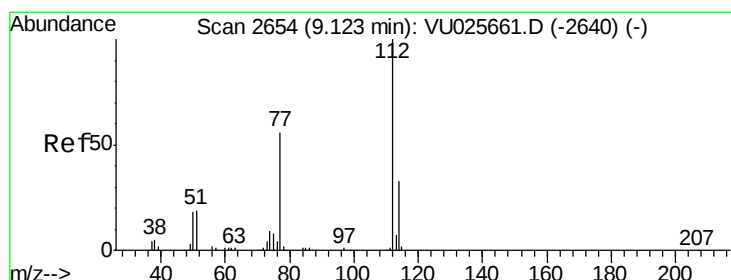
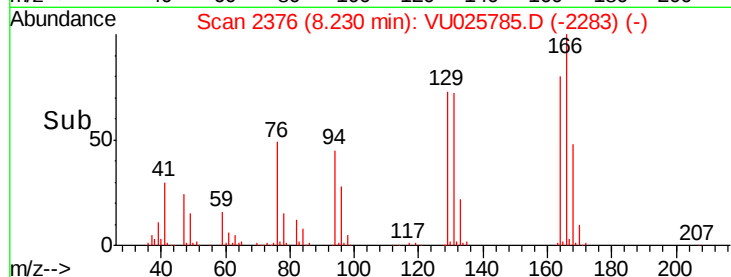
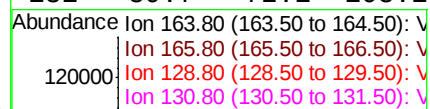
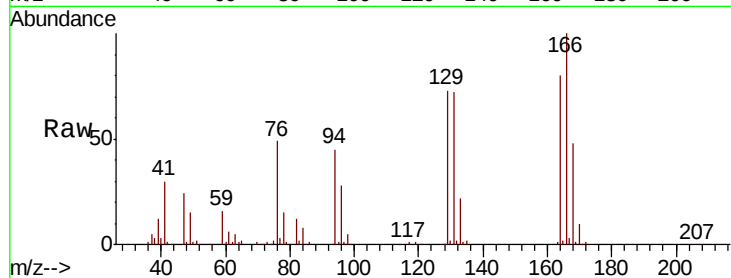
131 89.7 72.1 108.1

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#65

Chlorobenzene

Concen: 50.708 ug/l

RT: 9.12 min Scan# 2653

Delta R.T. -0.00 min

Lab File: VU025785.D

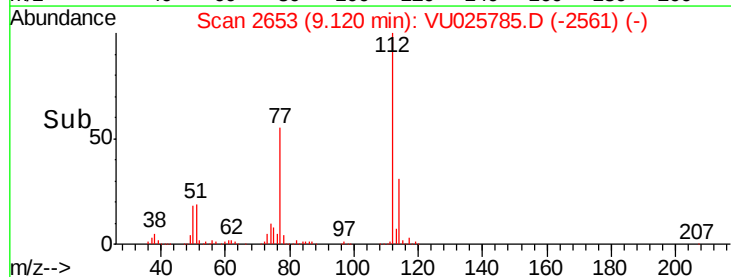
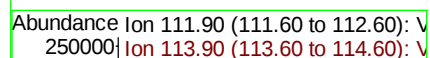
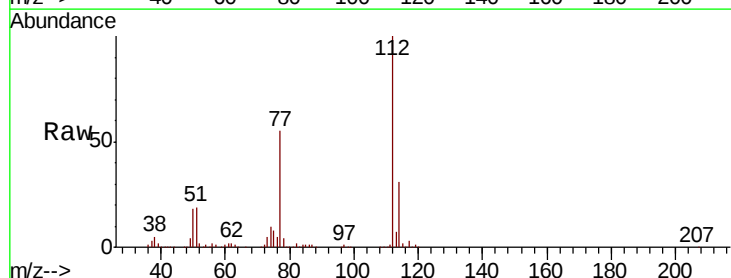
Acq: 01 Aug 2018 18:39

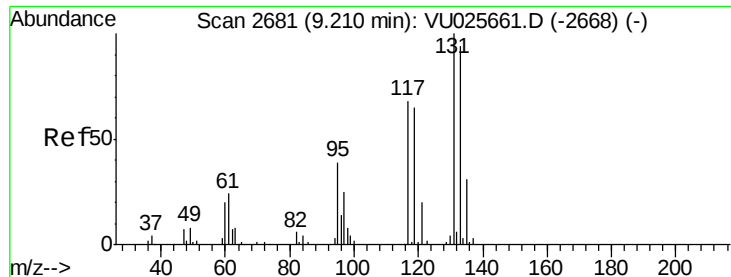
Tgt Ion:112 Resp: 350360

Ion Ratio Lower Upper

112 100

114 31.4 25.8 38.8





#66

1,1,1,2-Tetrachloroethane

Concen: 52.359 ug/l

RT: 9.21 min Scan# 2682

Delta R.T. 0.00 min

Lab File: VU025785.D

Acq: 01 Aug 2018 18:39

Instrument :

MSVOA_U

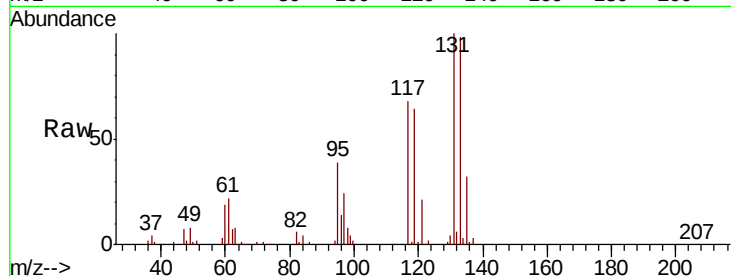
ClientSampled :

GW-03MSD

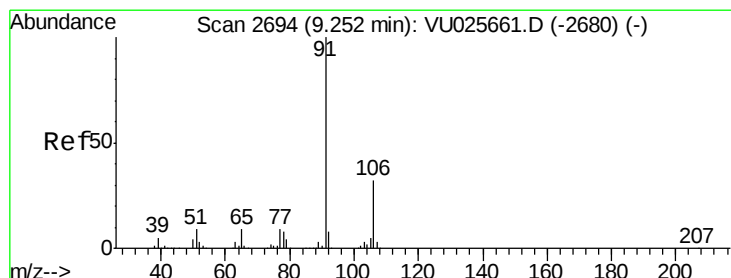
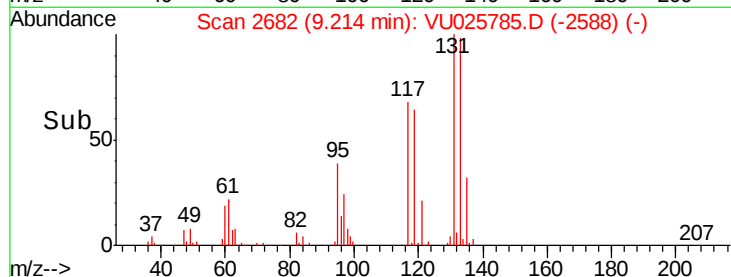
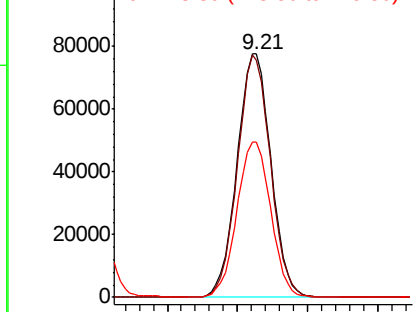
Tot Ion:	131	Resp:	130869
Ion Ratio	Lower	Upper	
131	100		
133	96.9	47.8	143.3
119	63.7	31.6	95.0

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Abundance Ion 130.80 (130.50 to 131.50): V
Ion 132.80 (132.50 to 133.50): V
Ion 118.80 (118.50 to 119.50): V



#67

Ethyl Benzene

Concen: 52.011 ug/l

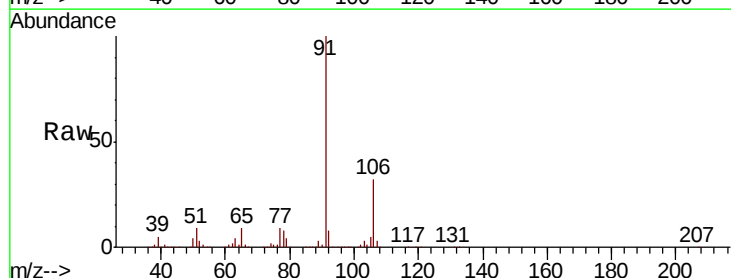
RT: 9.25 min Scan# 2694

Delta R.T. 0.00 min

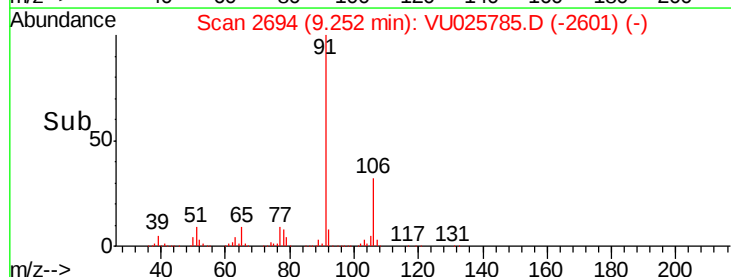
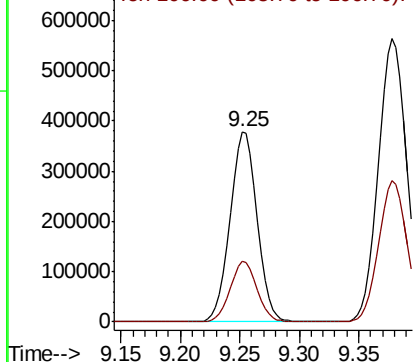
Lab File: VU025785.D

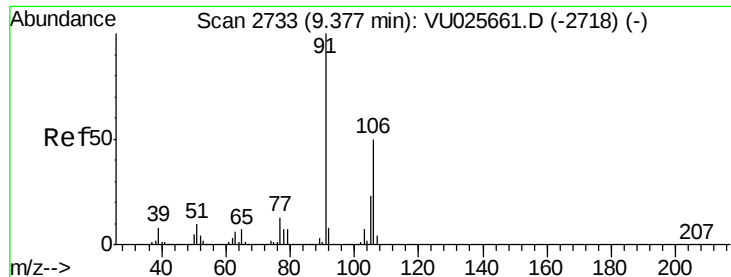
Acq: 01 Aug 2018 18:39

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



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





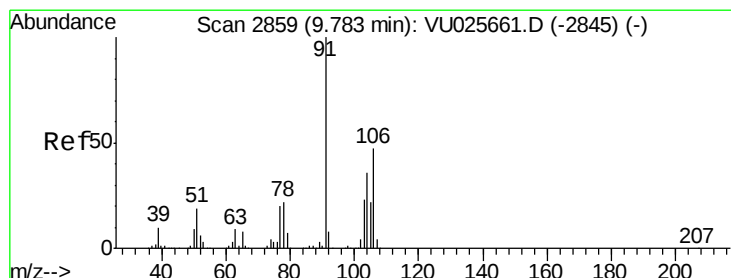
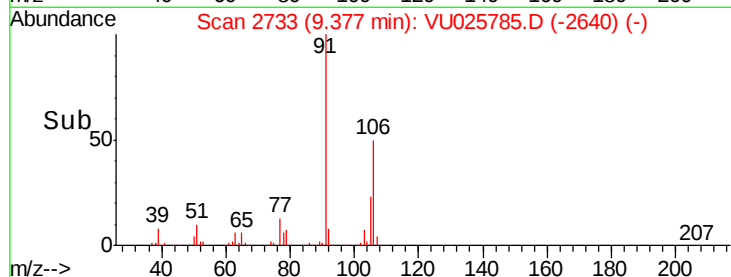
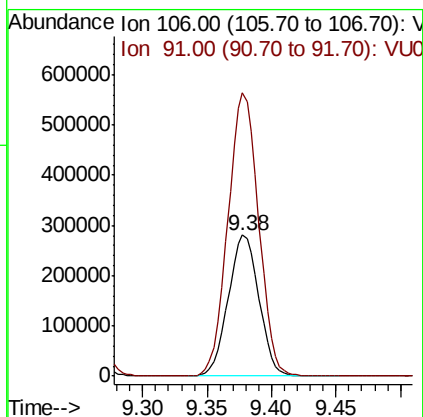
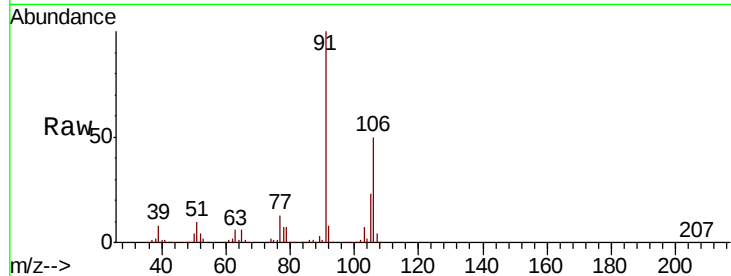
#68
m/p-Xylenes
Concen: 105.246 ug/l
RT: 9.38 min Scan# 2733
Delta R.T. 0.00 min
Lab File: VU025785.D
Acq: 01 Aug 2018 18:39

Instrument :
MSVOA_U
ClientSampled :
GW-03MSD

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

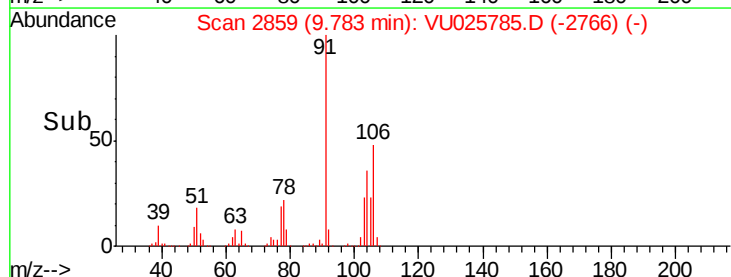
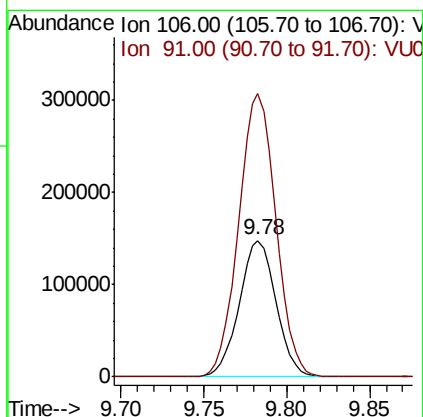
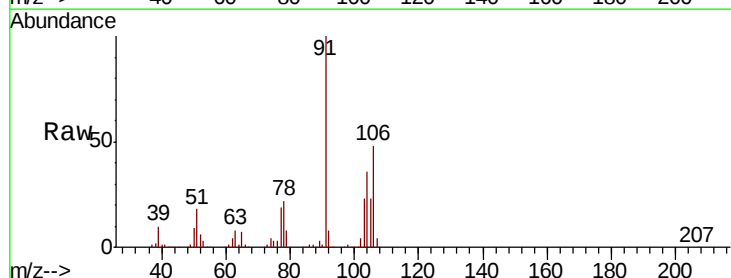
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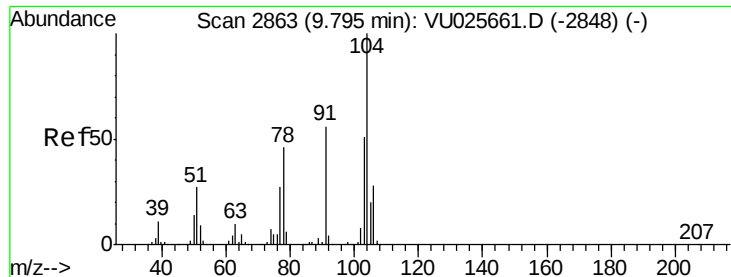
MMDadoda
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#69
o-Xylene
Concen: 53.043 ug/l
RT: 9.78 min Scan# 2859
Delta R.T. 0.00 min
Lab File: VU025785.D
Acq: 01 Aug 2018 18:39

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





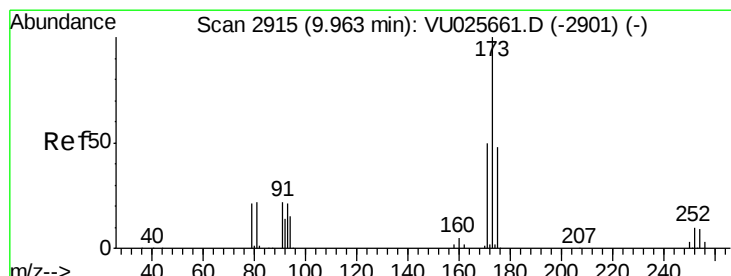
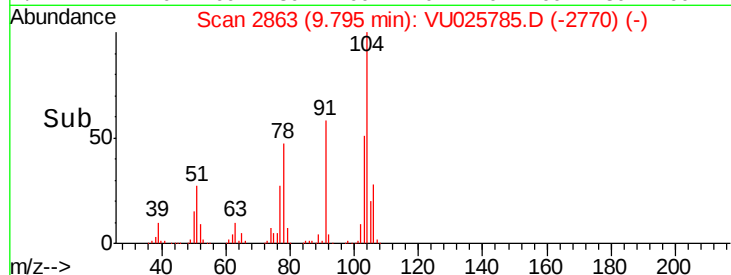
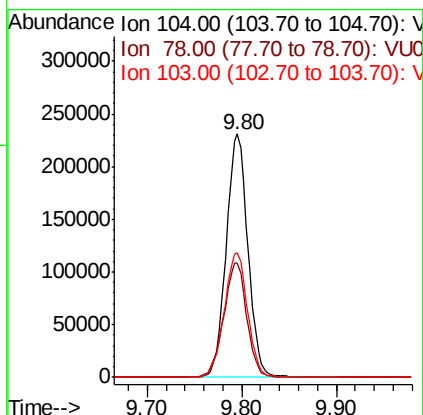
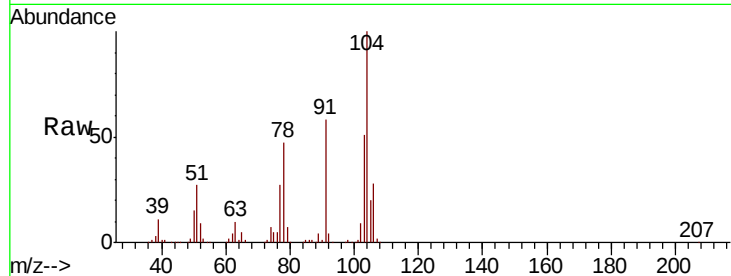
#70
Stvrene
Concen: 52.906 ug/l
RT: 9.80 min Scan# 2863
Delta R.T. 0.00 min
Lab File: VU025785.D
Acq: 01 Aug 2018 18:39

Instrument :
MSVOA_U
ClientSampleId :
GW-03MSD

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

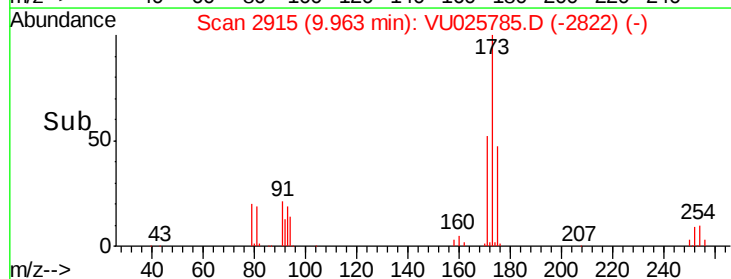
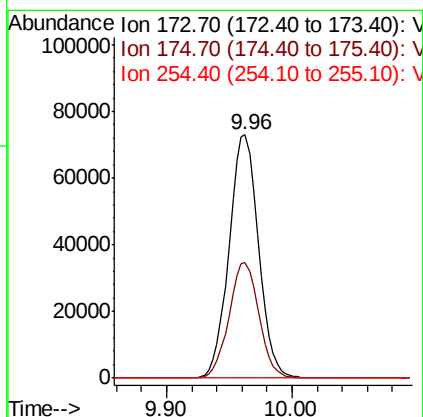
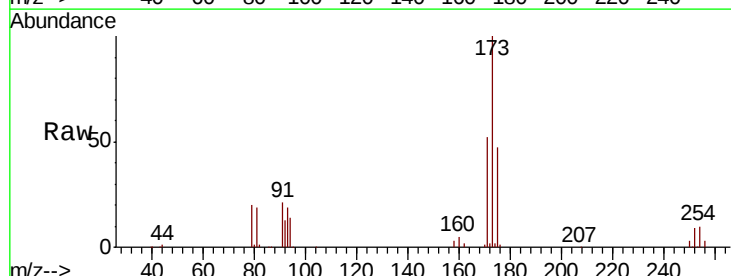
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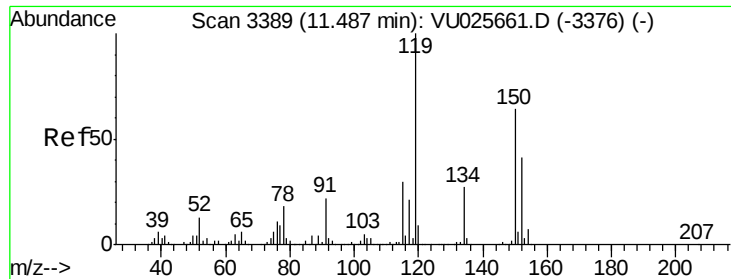
MMDadoda
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#71
Bromoform
Concen: 54.936 ug/l
RT: 9.96 min Scan# 2915
Delta R.T. 0.00 min
Lab File: VU025785.D
Acq: 01 Aug 2018 18:39

Tgt Ion	Ratio	Resp	Lower	Upper
173	100	119063		
175	48.1		24.0	72.0
254	0.1		0.0	0.0#





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 11.49 min Scan# 3389

Delta R.T. 0.00 min

Lab File: VU025785.D

Acq: 01 Aug 2018 18:39

Instrument :

MSVOA_U

ClientSampleId :

GW-03MSD

Tot Ion:152 Resp: 170079

Ion Ratio Lower Upper

152 100

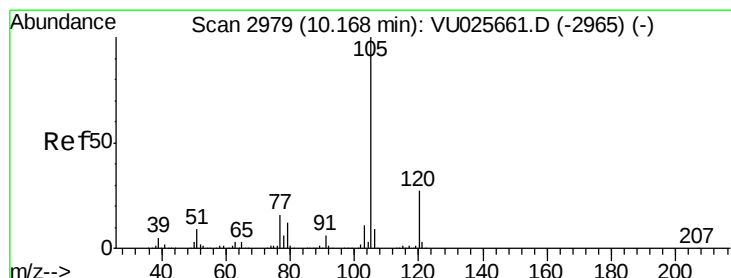
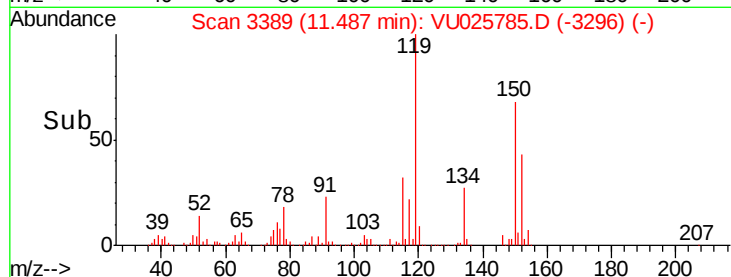
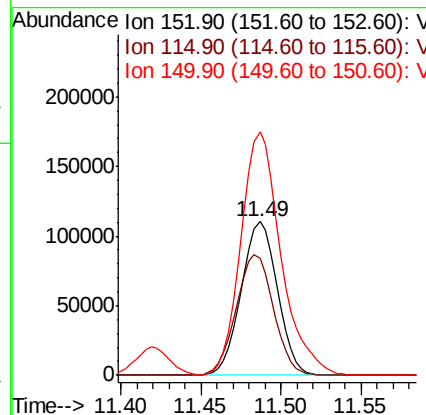
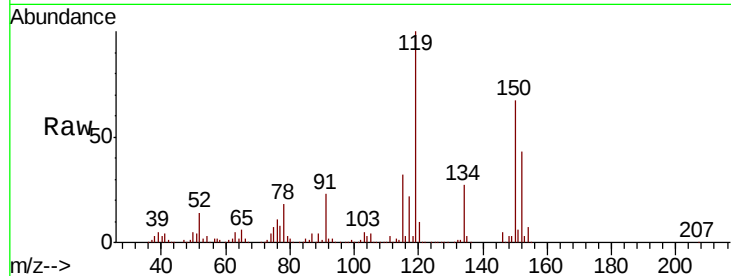
115 81.0 40.1 120.3

150 175.4 0.0 351.4

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#73

Isopropylbenzene

Concen: 51.936 ug/l

RT: 10.17 min Scan# 2979

Delta R.T. 0.00 min

Lab File: VU025785.D

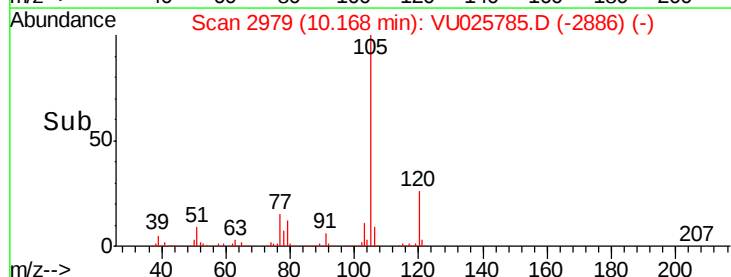
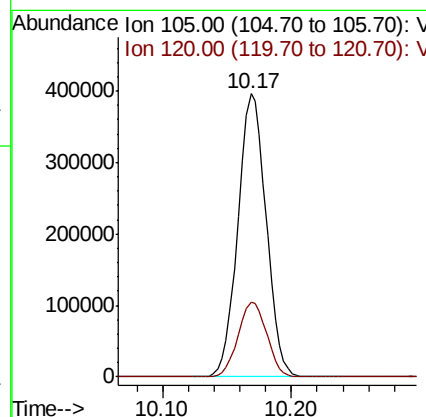
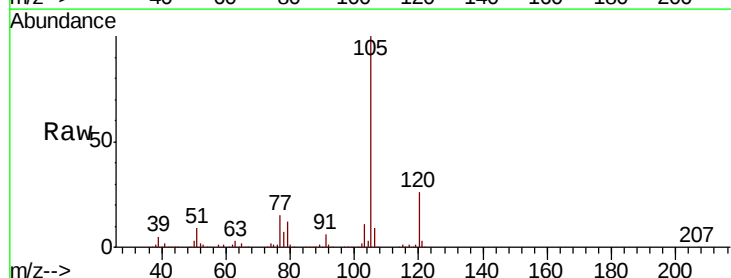
Acq: 01 Aug 2018 18:39

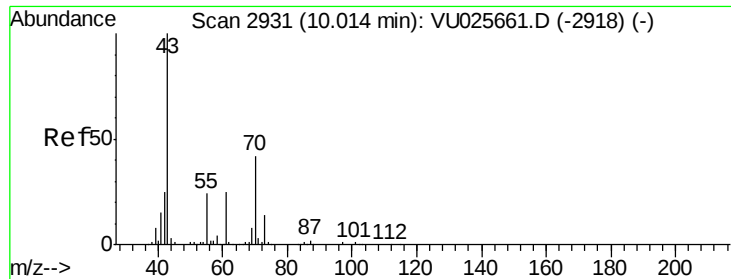
Tgt Ion:105 Resp: 602886

Ion Ratio Lower Upper

105 100

120 26.9 13.5 40.5





#74

N-amvl acetate

Concen: 52.737 ug/l

RT: 10.01 min Scan# 2931

Delta R.T. 0.00 min

Lab File: VU025785.D

Acq: 01 Aug 2018 18:39

Instrument :

MSVOA_U

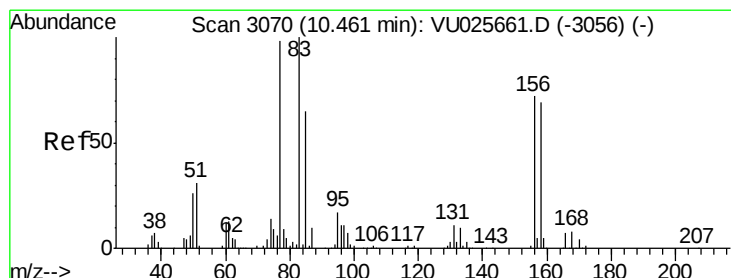
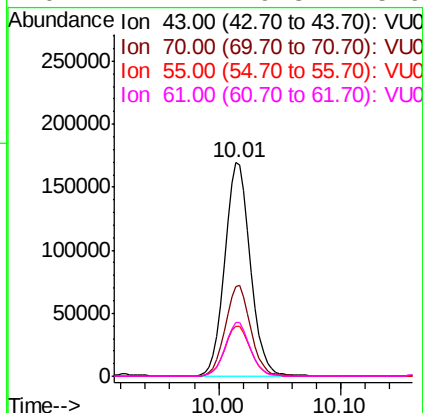
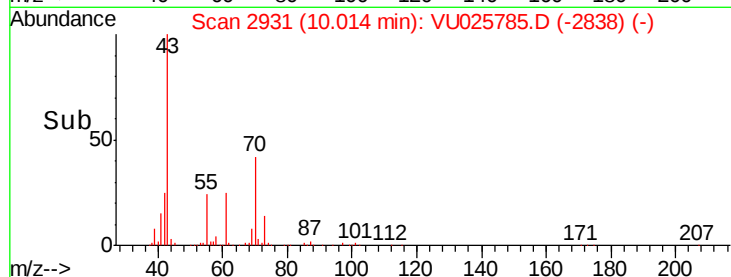
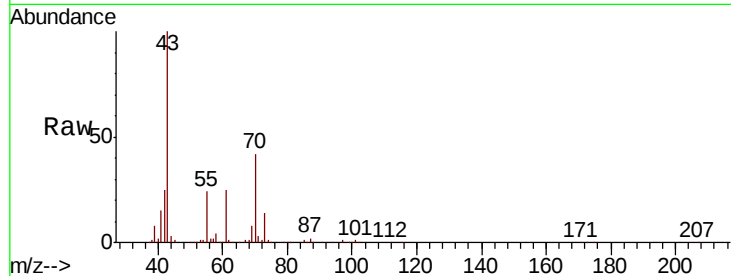
ClientSampleId :

GW-03MSD

Tot Ion:	43	Resp:	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

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#75

1,1,2,2-Tetrachloroethane

Concen: 51.485 ug/l

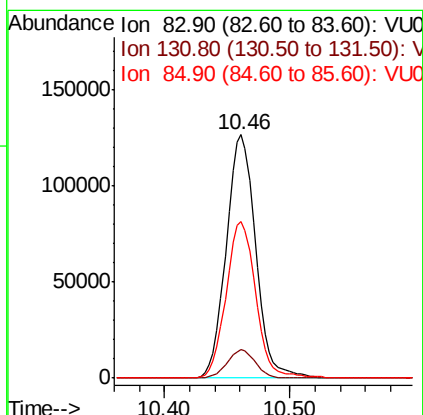
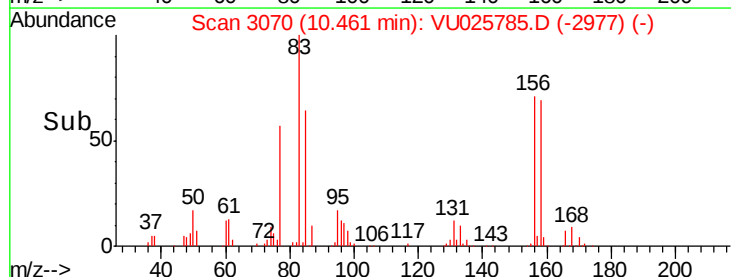
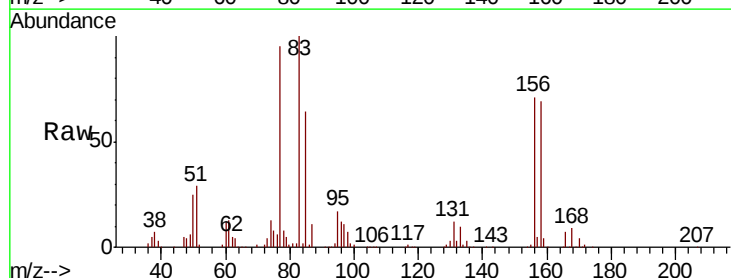
RT: 10.46 min Scan# 3070

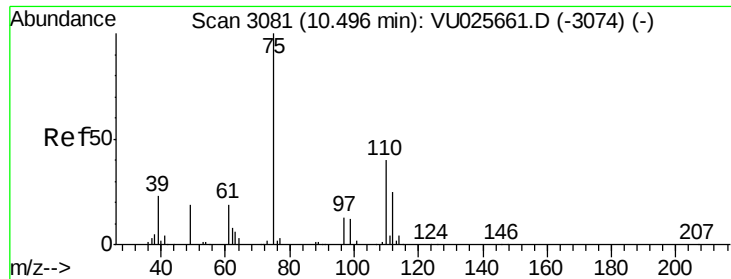
Delta R.T. 0.00 min

Lab File: VU025785.D

Acq: 01 Aug 2018 18:39

Tgt Ion:	83	Resp:	206674
Ion	Ratio	Lower	Upper
83	100		
131	11.0	5.5	16.4
85	64.9	31.6	94.8





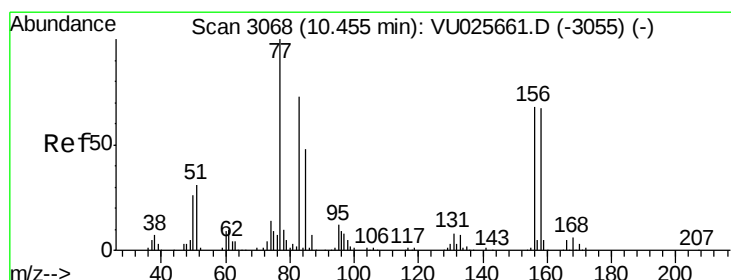
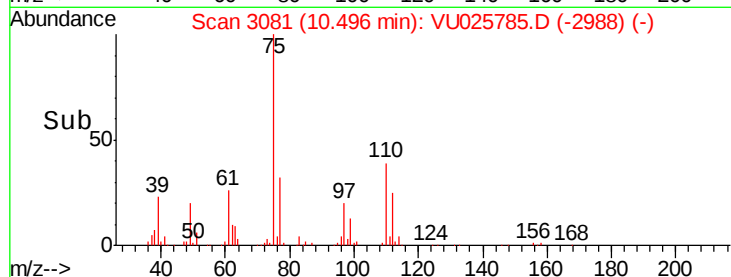
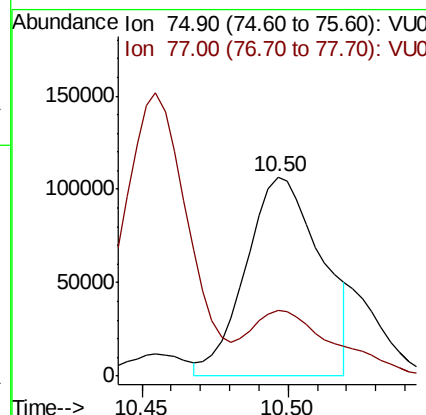
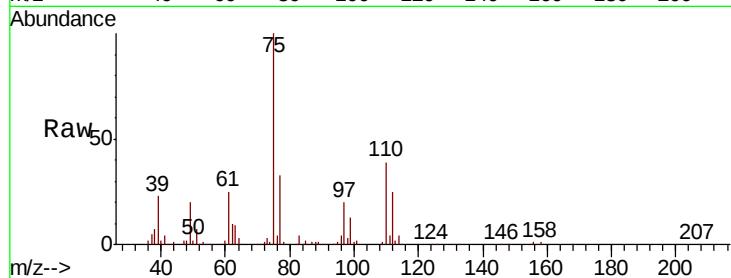
#76
 1,2,3-Trichloropropane
 Concen: 51.008 ug/l m
 RT: 10.50 min Scan# 3081
 Delta R.T. 0.00 min
 Lab File: VU025785.D
 Acq: 01 Aug 2018 18:39

Instrument :
 MSVOA_U
 ClientSampleId :
 GW-03MSD

Tot Ion: 75 Resp: 191148
 Ion Ratio Lower Upper
 75 100
 77 37.9 20.4 61.3

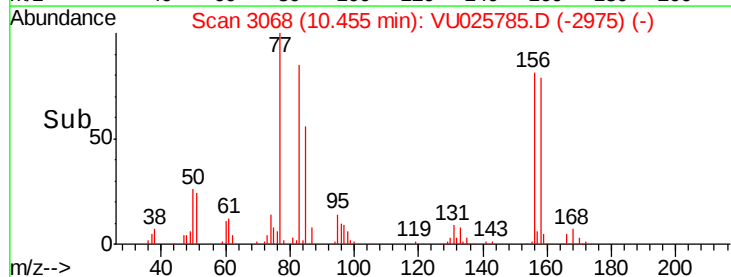
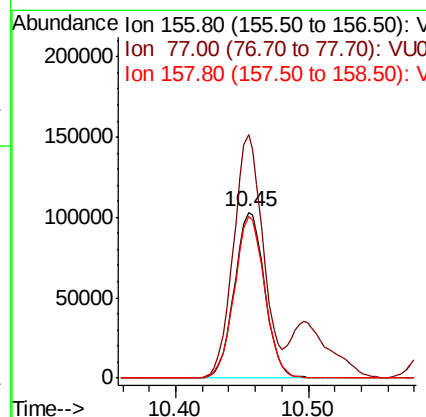
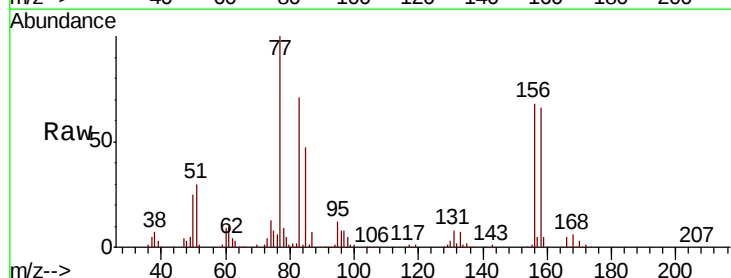
Manual Integrations
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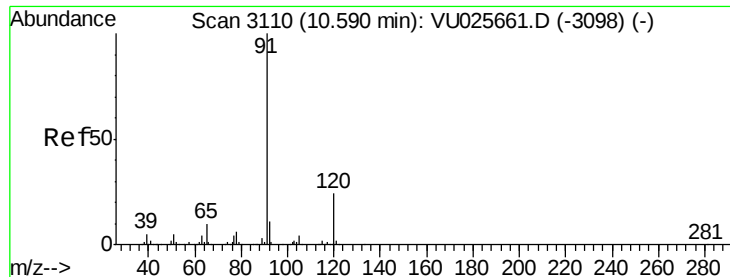
MMDadoda
 8/2/2018 9:45:20 AM



#77
 Bromobenzene
 Concen: 51.151 ug/l
 RT: 10.45 min Scan# 3068
 Delta R.T. 0.00 min
 Lab File: VU025785.D
 Acq: 01 Aug 2018 18:39

Tgt Ion: 156 Resp: 163778
 Ion Ratio Lower Upper
 156 100
 77 143.6 73.8 221.4
 158 97.5 48.0 144.0





#78

n-propylbenzene

Concen: 51.562 ug/l

RT: 10.59 min Scan# 3110

Delta R.T. 0.00 min

Lab File: VU025785.D

Acq: 01 Aug 2018 18:39

Instrument :

MSVOA_U

ClientSampled :

GW-03MSD

Tot Ion: 91 Resp: 698606

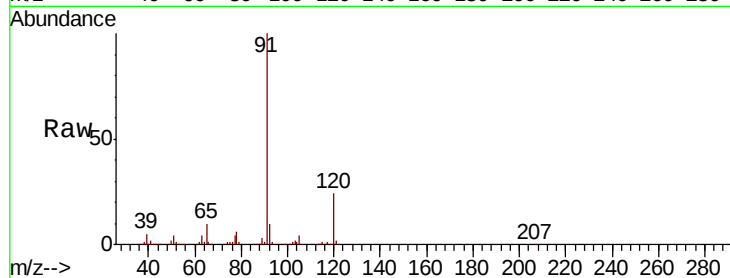
Ion Ratio Lower Upper

91 100

120 23.8 11.8 35.3

Manual Integrations
APPROVED

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8/2/2018 9:45:20 AM



Abundance Ion 91.00 (90.70 to 91.70): VU025661.D (-3098) (-)

Ion 120.00 (119.70 to 120.70): VU025661.D (-3098) (-)

10.59

500000

400000

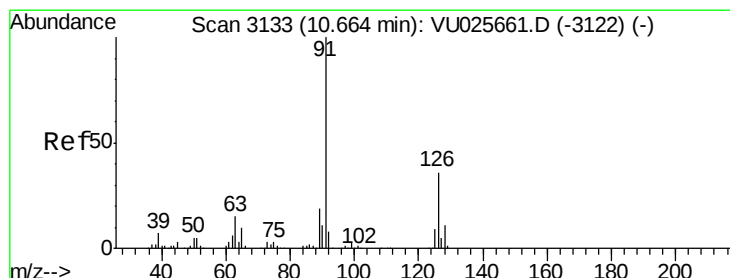
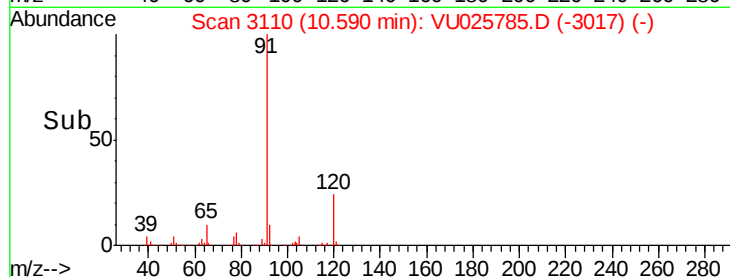
300000

200000

100000

0

Time-->



#79

2-Chlorotoluene

Concen: 51.843 ug/l

RT: 10.66 min Scan# 3133

Delta R.T. 0.00 min

Lab File: VU025785.D

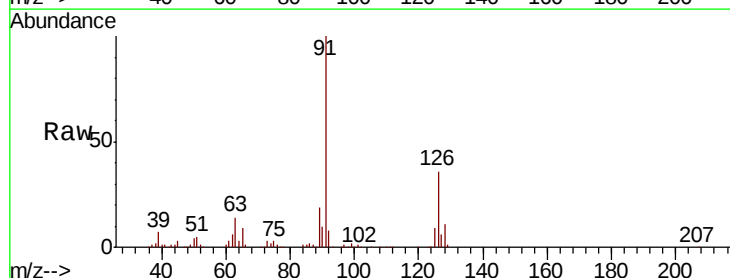
Acq: 01 Aug 2018 18:39

Tgt Ion: 91 Resp: 411415

Ion Ratio Lower Upper

91 100

126 35.8 17.5 52.6



Abundance Ion 91.00 (90.70 to 91.70): VU025661.D (-3122) (-)

Ion 125.90 (125.60 to 126.60): VU025661.D (-3122) (-)

10.66

500000

400000

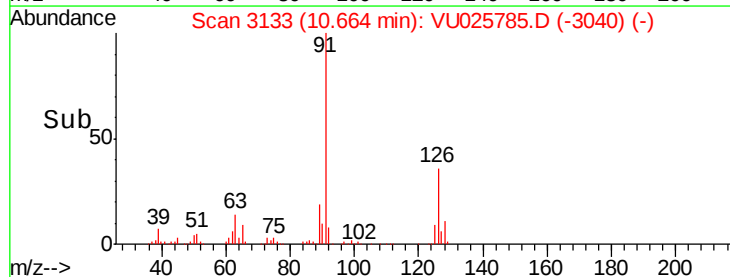
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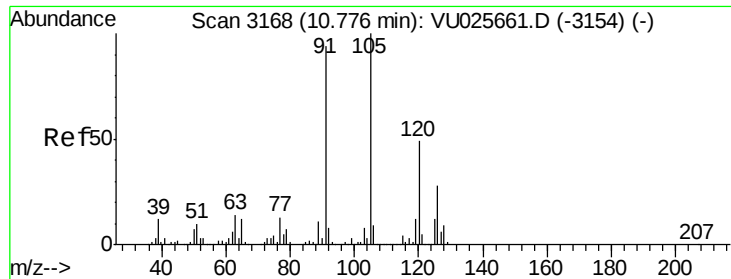
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Time-->





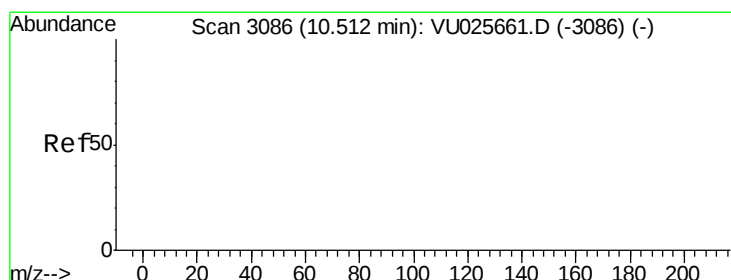
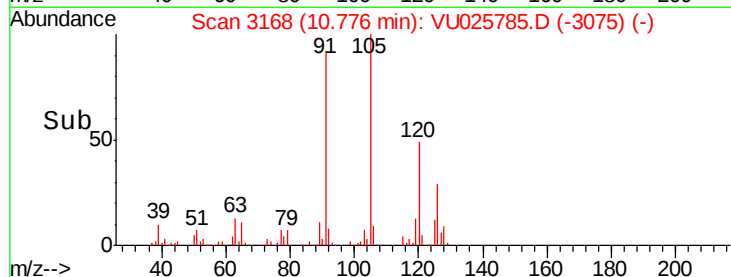
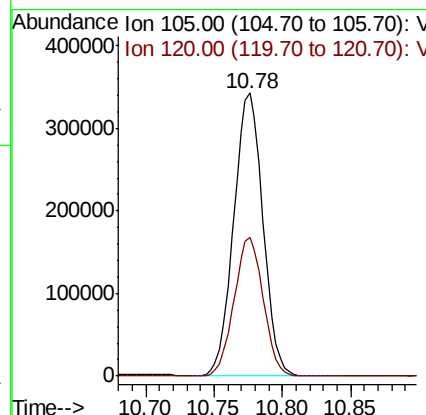
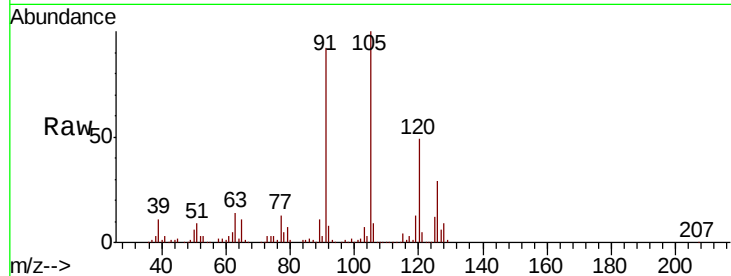
#80
 1,3,5-Trimethylbenzene
 Concen: 51.560 ug/l
 RT: 10.78 min Scan# 3168
 Delta R.T. 0.00 min
 Lab File: VU025785.D
 Acq: 01 Aug 2018 18:39

Instrument :
 MSVOA_U
 ClientSampleId :
 GW-03MSD

Tot Ion	Ratio	Lower	Upper
105	100		
120	49.0	24.1	72.2

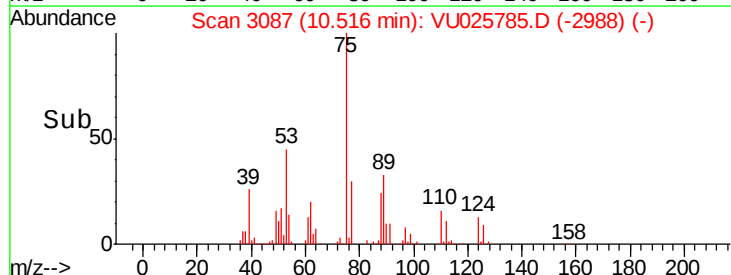
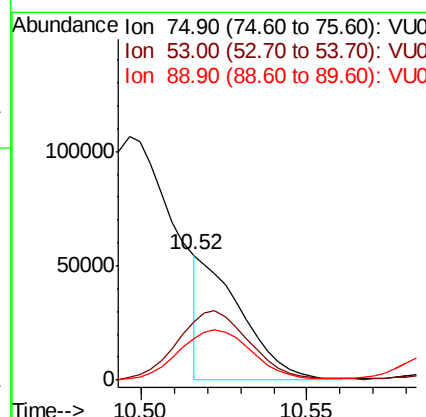
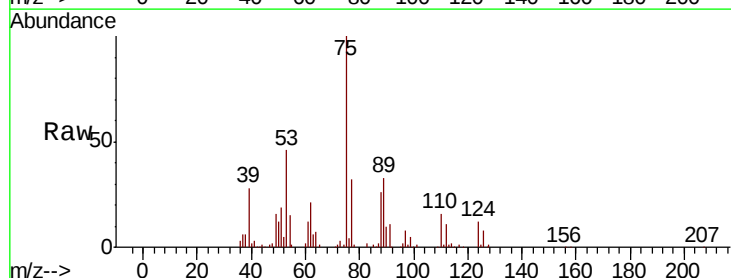
Manual Integrations
 APPROVED

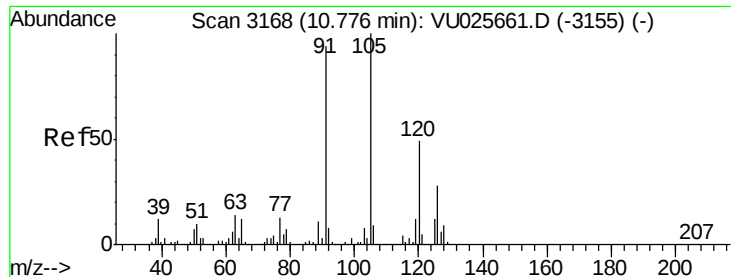
MMDadoda
 8/2/2018 9:45:20 AM



#81
 trans-1,4-Dichloro-2-butene
 Concen: 32.169 ug/l m
 RT: 10.52 min Scan# 3087
 Delta R.T. 0.02 min
 Lab File: VU025785.D
 Acq: 01 Aug 2018 18:39

Tgt Ion	Ratio	Lower	Upper
75	100		
53	0.0	0.0	0.0
89	0.0	0.0	0.0





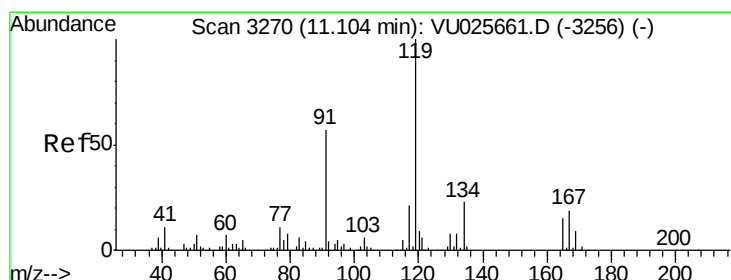
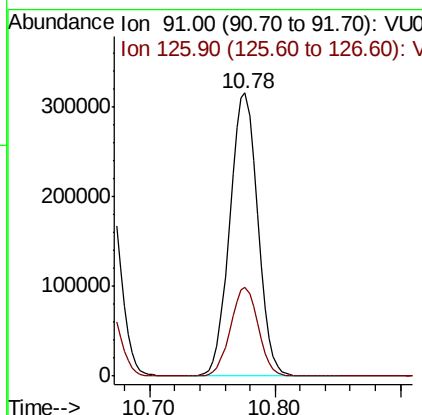
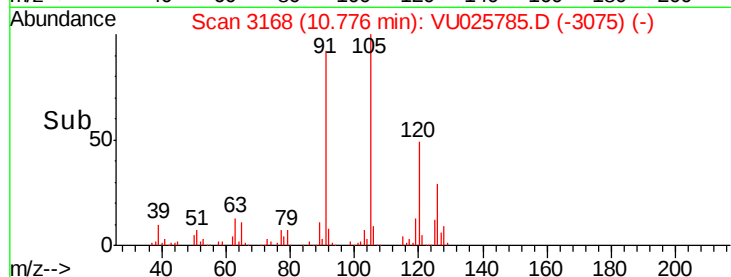
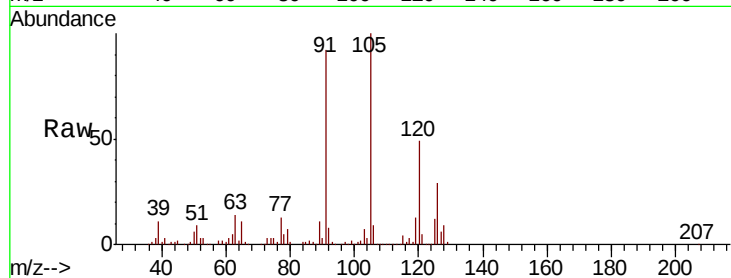
#82
4-Chlorotoluene
Concen: 51.962 ug/l
RT: 10.78 min Scan# 3168
Delta R.T. 0.00 min
Lab File: VU025785.D
Acq: 01 Aug 2018 18:39

Instrument :
MSVOA_U
ClientSampleId :
GW-03MSD

Tot Ion	Ratio	Lower	Upper
91	100		
126	31.3	15.3	45.9

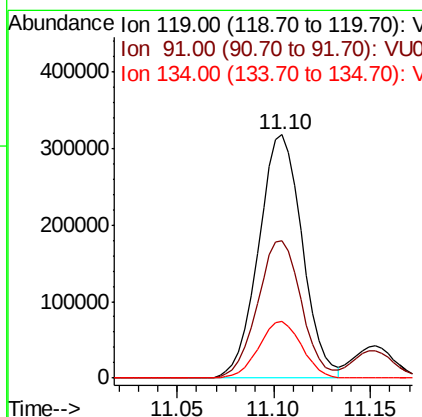
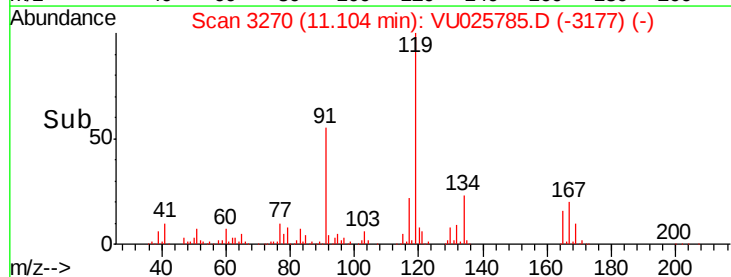
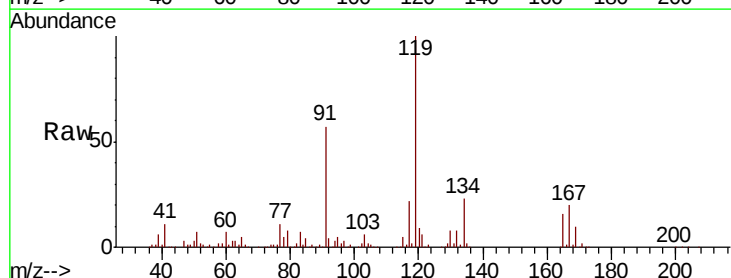
Manual Integrations
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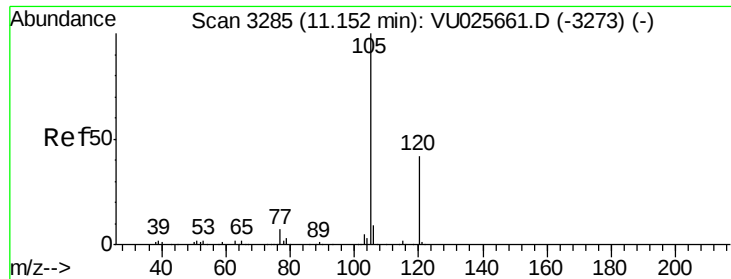
MMDadoda
8/2/2018 9:45:20 AM



#83
tert-Butylbenzene
Concen: 51.123 ug/l
RT: 11.10 min Scan# 3270
Delta R.T. 0.00 min
Lab File: VU025785.D
Acq: 01 Aug 2018 18:39

Tgt Ion	Ratio	Lower	Upper
119	100		
91	56.3	29.7	89.1
134	23.1	11.5	34.5





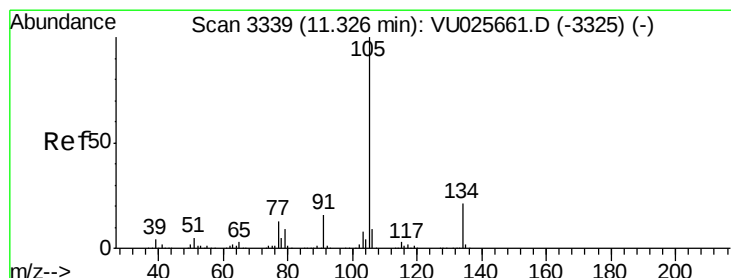
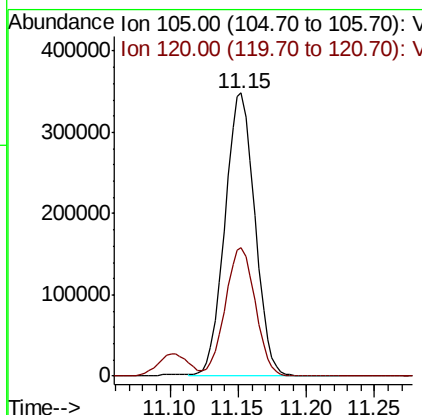
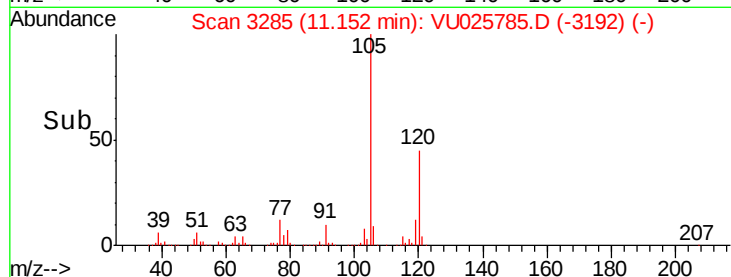
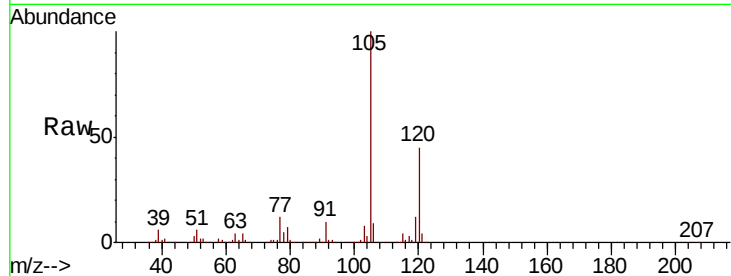
#84
 1,2,4-Trimethylbenzene
 Concen: 53.214 ug/l
 RT: 11.15 min Scan# 3285
 Delta R.T. 0.00 min
 Lab File: VU025785.D
 Acq: 01 Aug 2018 18:39

Instrument :
 MSVOA_U
 ClientSampleId :
 GW-03MSD

Tot Ion	Ratio	Lower	Upper
105	100		
120	45.4	22.3	66.8

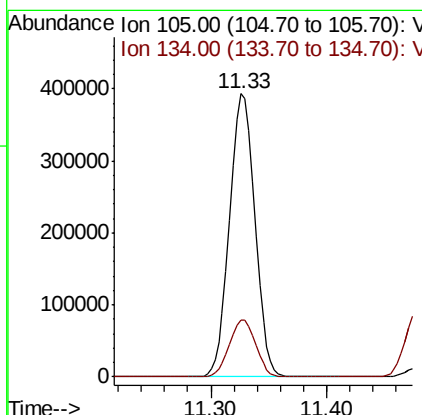
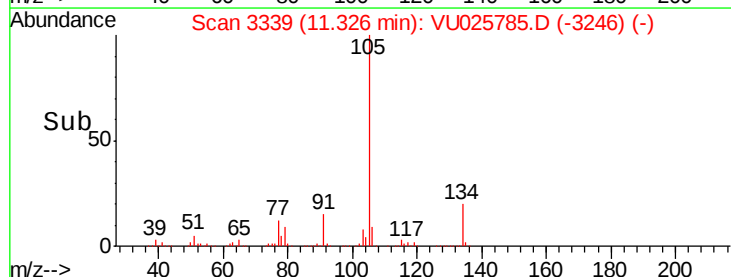
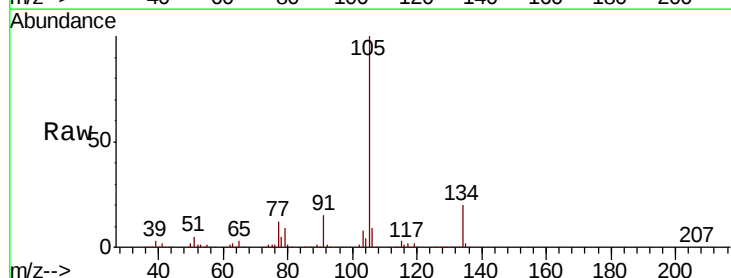
Manual Integrations
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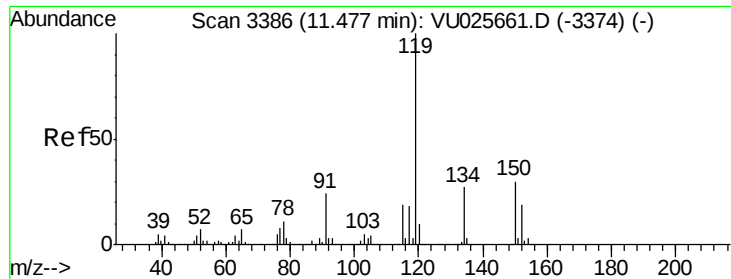
MMDadoda
 8/2/2018 9:45:20 AM



#85
 sec-Butylbenzene
 Concen: 49.477 ug/l
 RT: 11.33 min Scan# 3339
 Delta R.T. 0.00 min
 Lab File: VU025785.D
 Acq: 01 Aug 2018 18:39

Tgt Ion	Ratio	Lower	Upper
105	100		
134	20.8	10.3	30.8





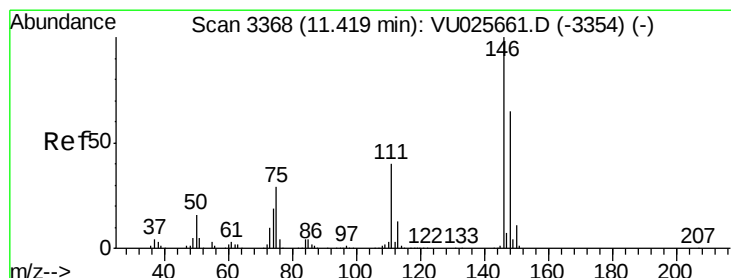
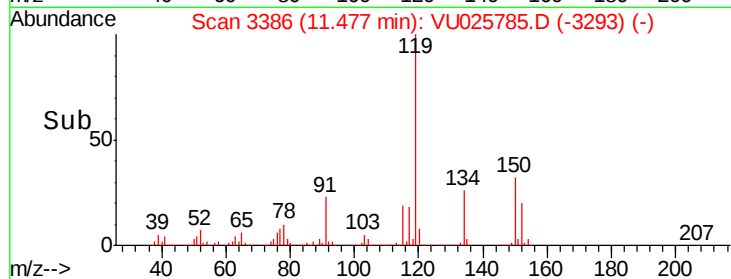
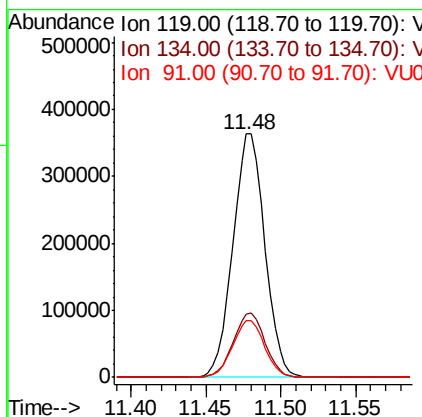
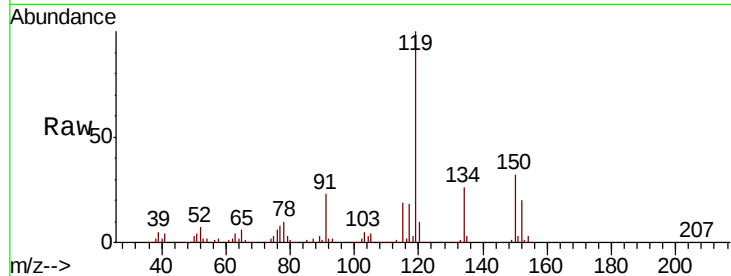
#86
p-Isopropyltoluene
Concen: 50.258 ug/l
RT: 11.48 min Scan# 3386
Delta R.T. 0.00 min
Lab File: VU025785.D
Acq: 01 Aug 2018 18:39

Instrument :
MSVOA_U
ClientSampleId :
GW-03MSD

Tot Ion	Ratio	Resp Lower	Upper
119	100		
134	26.5	13.2	39.5
91	23.4	12.0	36.1

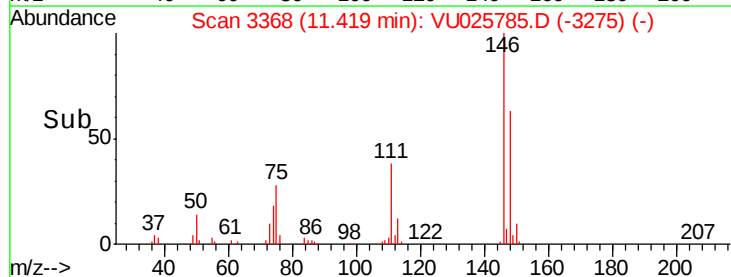
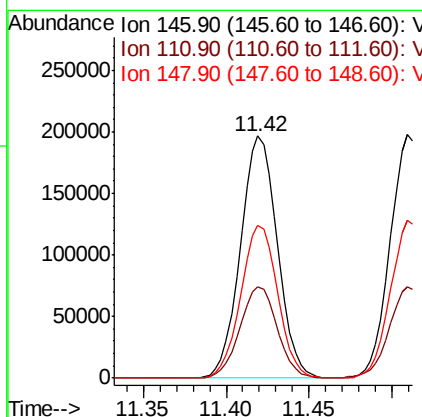
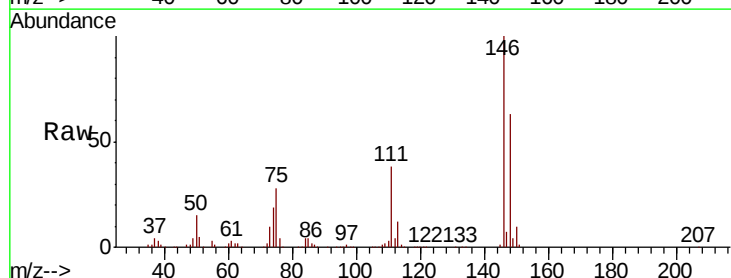
Manual Integrations
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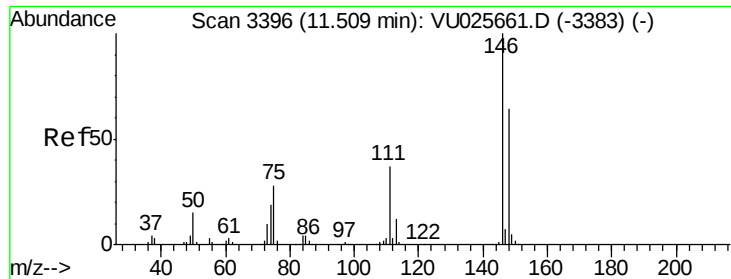
MMDadoda
8/2/2018 9:45:20 AM



#87
1,3-Dichlorobenzene
Concen: 51.092 ug/l
RT: 11.42 min Scan# 3368
Delta R.T. 0.00 min
Lab File: VU025785.D
Acq: 01 Aug 2018 18:39

Tgt Ion	Ratio	Resp Lower	Upper
146	100		
111	38.3	19.7	59.1
148	63.2	32.1	96.3





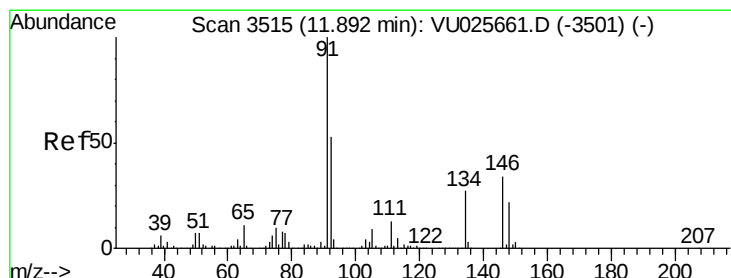
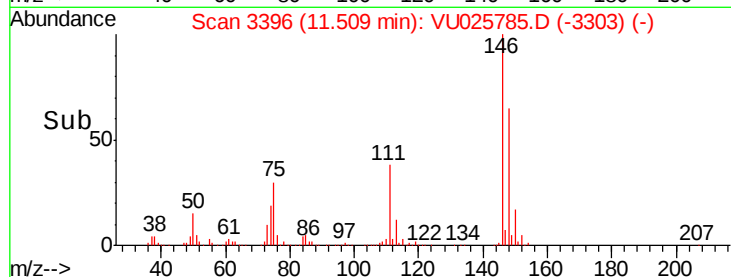
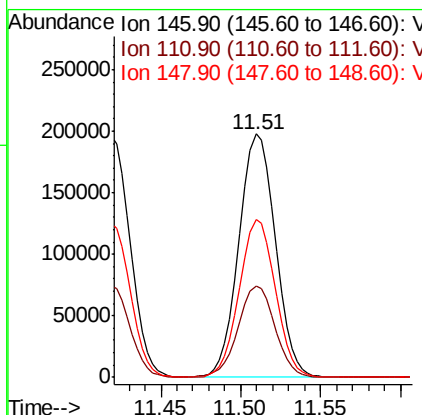
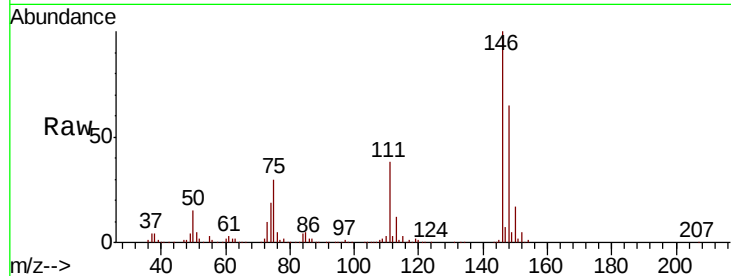
#88
 1,4-Dichlorobenzene
 Concen: 49.471 ug/l
 RT: 11.51 min Scan# 3396
 Delta R.T. 0.00 min
 Lab File: VU025785.D
 Acq: 01 Aug 2018 18:39

Instrument :
 MSVOA_U
 ClientSampleId :
 GW-03MSD

Tot Ion	Ratio	Lower	Upper
146	100		
111	38.1	19.4	58.1
148	64.3	31.7	95.1

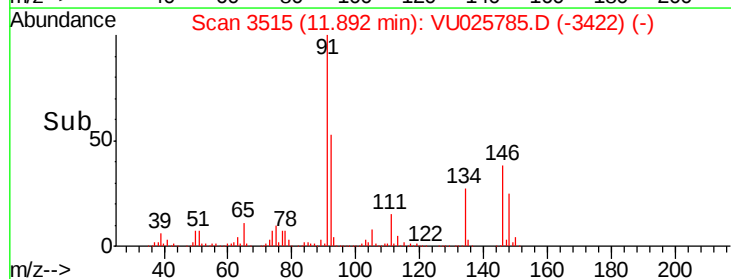
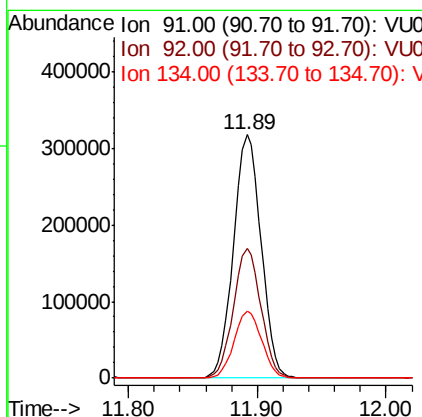
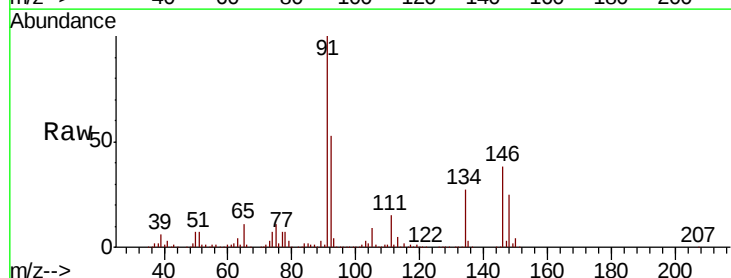
Manual Integrations
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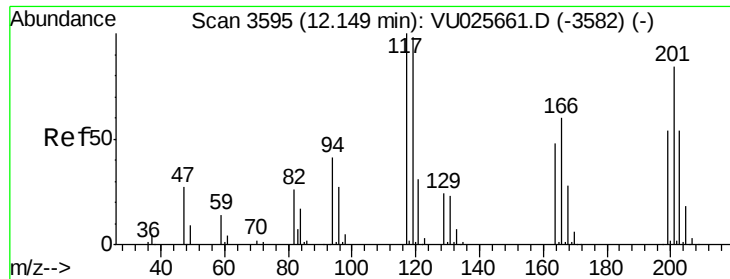
MMDadoda
 8/2/2018 9:45:20 AM



#89
 n-Butylbenzene
 Concen: 47.896 ug/l
 RT: 11.89 min Scan# 3515
 Delta R.T. 0.00 min
 Lab File: VU025785.D
 Acq: 01 Aug 2018 18:39

Tgt Ion	Ratio	Lower	Upper
91	100		
92	53.0	26.5	79.5
134	27.4	13.6	40.7





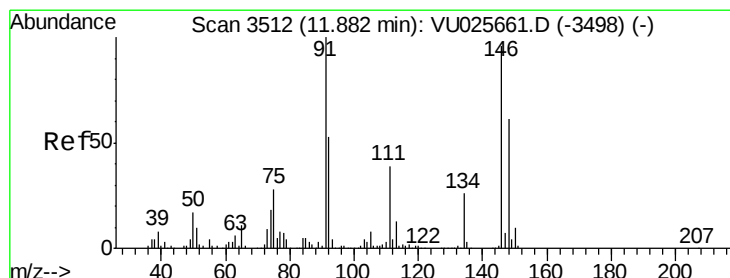
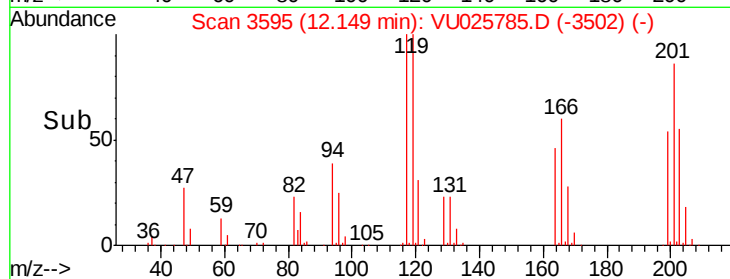
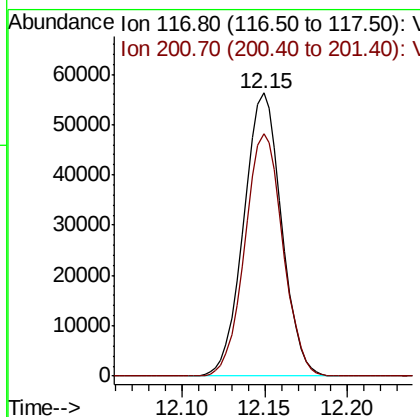
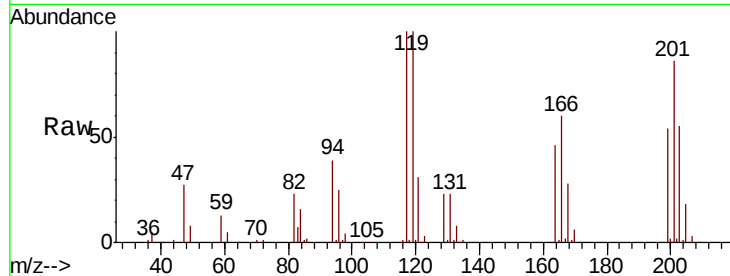
#90
Hexachloroethane
Concen: 46.828 ug/l
RT: 12.15 min Scan# 3595
Delta R.T. 0.00 min
Lab File: VU025785.D
Acq: 01 Aug 2018 18:39

Instrument :
MSVOA_U
ClientSampleId :
GW-03MSD

Tot Ion	Ratio	Lower	Upper
117	100		
201	86.0	42.5	127.6

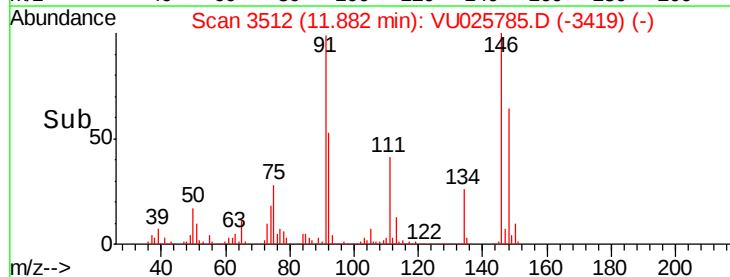
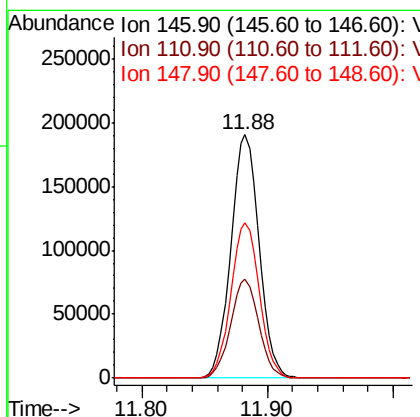
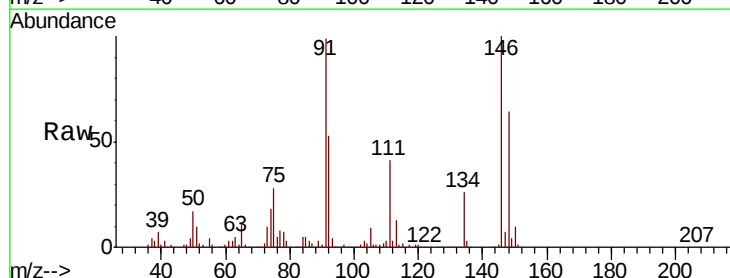
Manual Integrations
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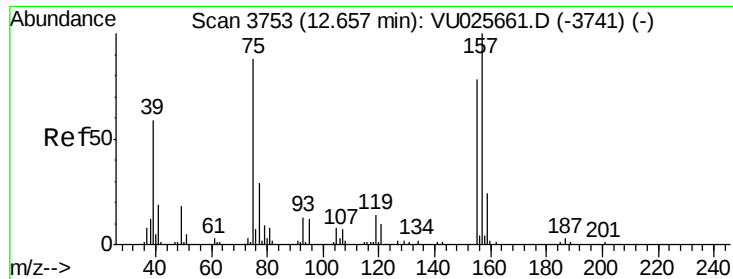
MMDadoda
8/2/2018 9:45:20 AM



#91
1,2-Dichlorobenzene
Concen: 51.004 ug/l
RT: 11.88 min Scan# 3512
Delta R.T. 0.00 min
Lab File: VU025785.D
Acq: 01 Aug 2018 18:39

Tgt Ion	Ratio	Lower	Upper
146	100		
111	40.6	20.6	61.8
148	64.4	31.5	94.5





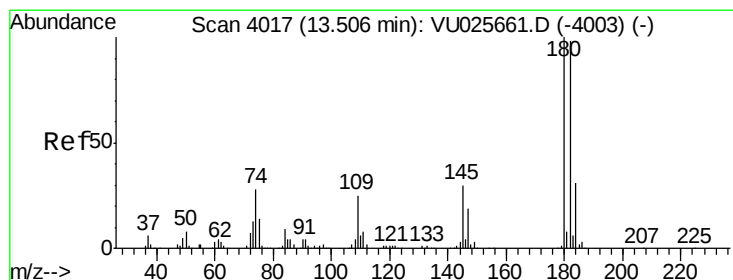
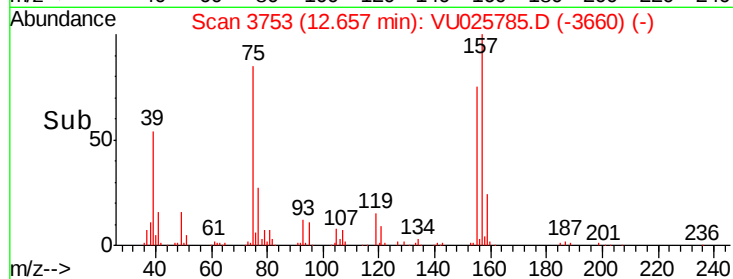
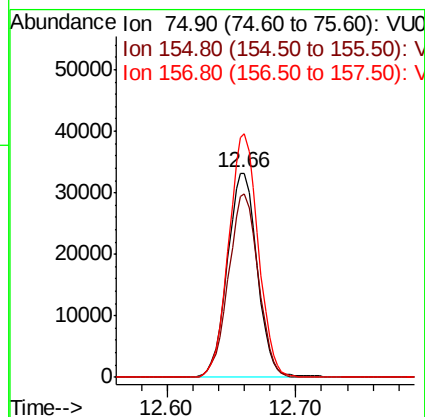
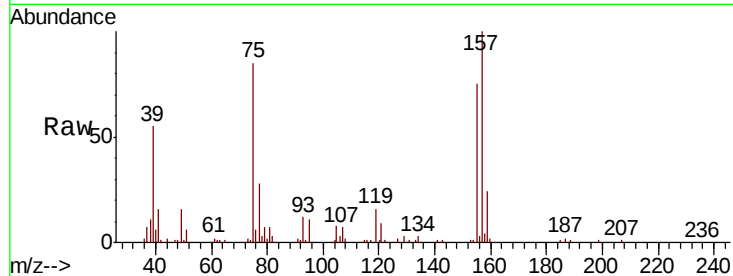
#92
 1,2-Dibromo-3-Chloropropane
 Concen: 56.026 ug/l
 RT: 12.66 min Scan# 3753
 Delta R.T. 0.00 min
 Lab File: VU025785.D
 Acq: 01 Aug 2018 18:39

Instrument :
 MSVOA_U
 ClientSampleId :
 GW-03MSD

Tot Ion	Ratio	Lower	Upper
75	100		
155	89.3	44.5	133.3
157	117.4	57.0	170.8

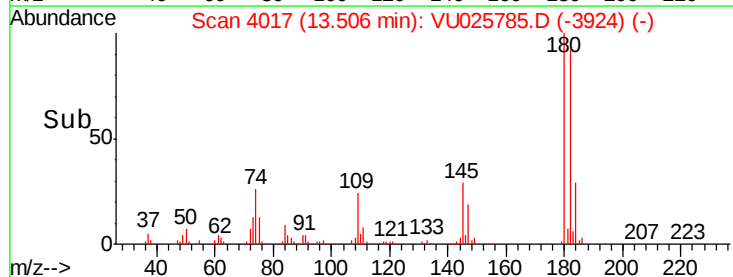
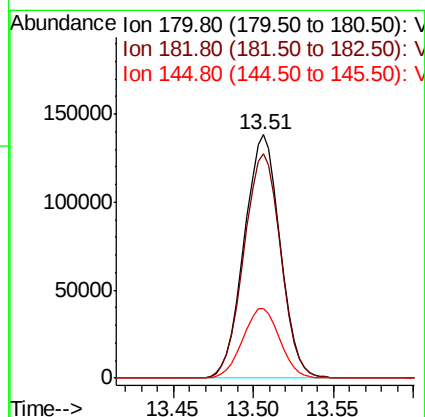
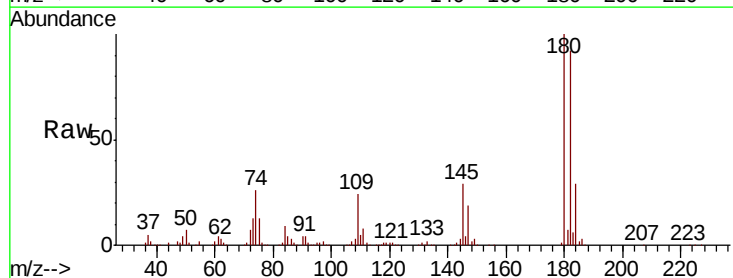
Manual Integrations
 APPROVED

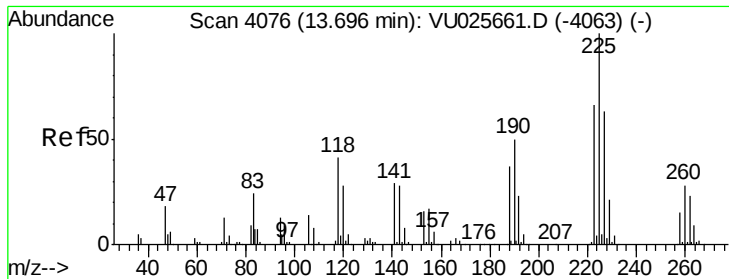
MMDadoda
 8/2/2018 9:45:20 AM



#93
 1,2,4-Trichlorobenzene
 Concen: 54.047 ug/l
 RT: 13.51 min Scan# 4017
 Delta R.T. 0.00 min
 Lab File: VU025785.D
 Acq: 01 Aug 2018 18:39

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





#94

Hexachlorobutadiene

Concen: 40.158 ug/l

RT: 13.70 min Scan# 4076

Delta R.T. 0.00 min

Lab File: VU025785.D

Acq: 01 Aug 2018 18:39

Instrument :

MSVOA_U

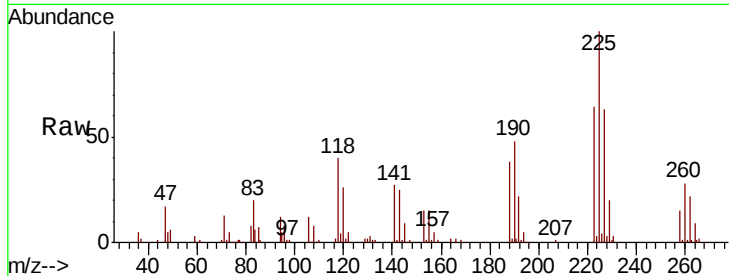
ClientSampleId :

GW-03MSD

Tot Ion:	225	Resp:	83229
Ion Ratio	Lower	Upper	
225	100		
223	63.9	31.9	95.7
227	64.1	32.3	96.9

Manual Integrations
APPROVED

MMDadoda
8/2/2018 9:45:20 AM

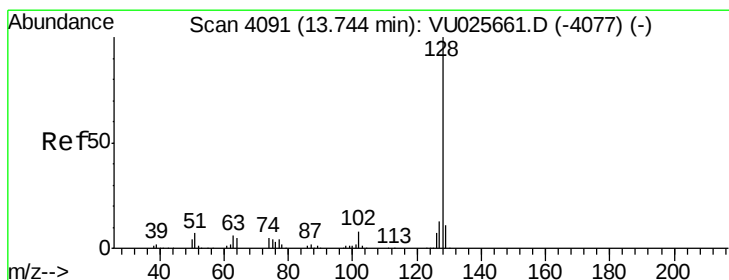
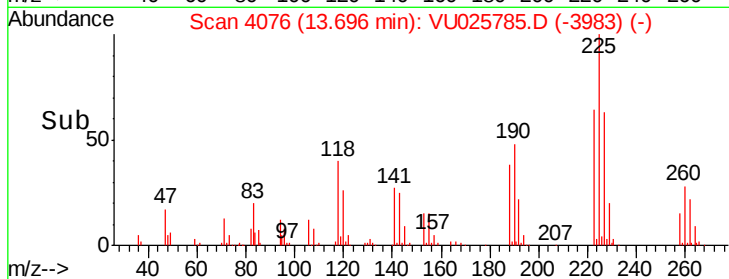
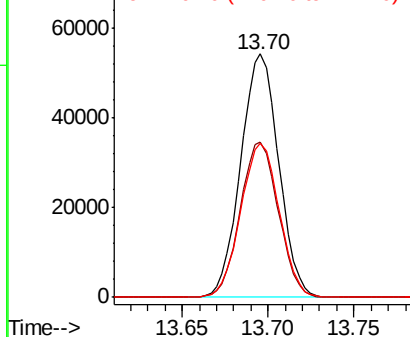


Abundance

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: 94.445 ug/l

RT: 13.74 min Scan# 4091

Delta R.T. 0.00 min

Lab File: VU025785.D

Acq: 01 Aug 2018 18:39

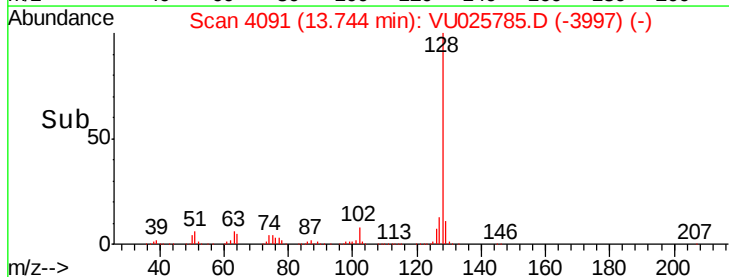
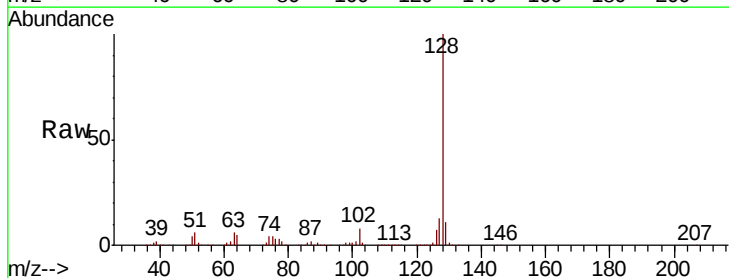
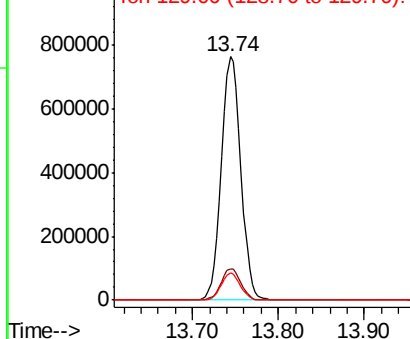
Tgt Ion:	128	Resp:	1207149
Ion Ratio	Lower	Upper	
128	100		
127	13.0	10.5	15.7
129	10.8	8.3	12.5

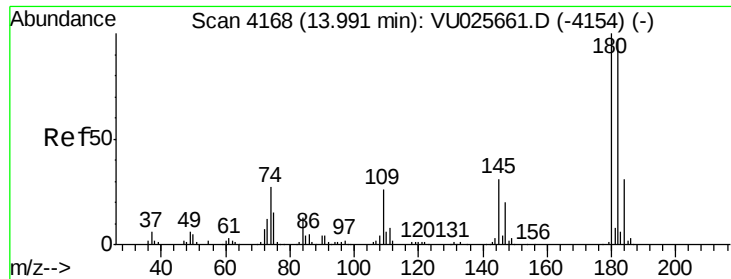
Abundance

Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V





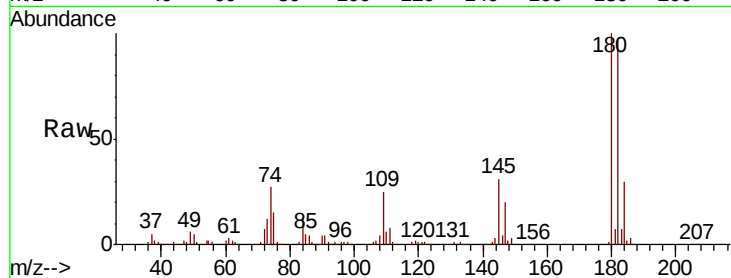
#96
 1,2,3-Trichlorobenzene
 Concen: 54.631 ug/l
 RT: 13.99 min Scan# 4167
 Delta R.T. -0.00 min
 Lab File: VU025785.D
 Acq: 01 Aug 2018 18:39

Instrument :
 MSVOA_U
 ClientSampleId :
 GW-03MSD

Tot Ion	Ratio	Resp Lower	Upper
180	100		
182	95.6	47.8	143.3
145	31.6	15.6	46.8

Manual Integrations
 APPROVED

MMDadoda
 8/2/2018 9:45:20 AM



Abundance

Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.90 (144.60 to 145.60): V

