

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU072718\
 Data File : VU025680.D
 Acq On : 27 Jul 2018 19:36
 Operator : MD/SY
 Sample : VU0727WBSD01
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VU0727WBSD01

Manual Integrations
 APPROVED

MMDadoda

7/31/2018 3:49:31 PM

Quant Time: Jul 28 05:17:03 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\82U072718W.M
 Quant Title : SW846 8260
 QLast Update : Fri Jul 27 13:11:52 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.99	168	166118	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.89	114	258930	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.09	117	250137	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.49	152	156224	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	5.31	65	134396	51.92	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.84%	
35) Dibromofluoromethane	4.89	113	108877	48.35	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.70%	
50) Toluene-d8	7.57	98	394103	50.01	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.02%	
62) 4-Bromofluorobenzene	10.31	95	148612	48.58	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.16%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.21	85	55259	22.01	ug/l	96
3) Chloromethane	1.33	50	47368	19.74	ug/l	97
4) Vinyl Chloride	1.40	62	45400	20.10	ug/l	98
5) Bromomethane	1.63	94	22727	20.60	ug/l	99
6) Chloroethane	1.70	64	26397	19.99	ug/l	100
7) Trichlorofluoromethane	1.89	101	67694	20.73	ug/l	94
8) Diethyl Ether	2.10	74	23794	20.14	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	2.29	101	36677	19.41	ug/l	99
10) Methyl Iodide	2.41	142	25692	20.67	ug/l	99
11) Tert butyl alcohol	2.83	59	62545	110.37	ug/l	99
12) 1,1-Dichloroethene	2.28	96	33890	19.00	ug/l	95
13) Acrolein	2.19	56	18658	89.61	ug/l	97
14) Allyl chloride	2.59	41	61293	19.12	ug/l	96
15) Acrylonitrile	2.94	53	124709	110.22	ug/l	99
16) Acetone	2.32	43	117487	93.10	ug/l	99
17) Carbon Disulfide	2.48	76	111786	19.37	ug/l	100
18) Methyl Acetate	2.62	43	70135	23.09	ug/l	99
19) Methyl tert-butyl Ether	3.00	73	131745	20.38	ug/l	100
20) Methylene Chloride	2.70	84	43901	19.63	ug/l	97
21) trans-1,2-Dichloroethene	2.99	96	41015	19.89	ug/l	96
22) Diisopropyl ether	3.58	45	129858	20.56	ug/l	95
23) Vinyl Acetate	3.53	43	571987	103.91	ug/l	100
24) 1,1-Dichloroethane	3.45	63	78885	20.81	ug/l	100
25) 2-Butanone	4.27	43	181809	105.84	ug/l	99
26) 2,2-Dichloropropane	4.23	77	61583	17.87	ug/l	98
27) cis-1,2-Dichloroethene	4.23	96	46609	20.05	ug/l	97
28) Bromochloromethane	4.55	49	36605	21.59	ug/l	99
29) Tetrahydrofuran	4.64	42	114429	111.19	ug/l	98
30) Chloroform	4.68	83	80922	20.22	ug/l	98
31) Cyclohexane	5.00	56	68305	19.90	ug/l	98
32) 1,1,1-Trichloroethane	4.92	97	75514	20.96	ug/l	98
36) 1,1-Dichloropropene	5.14	75	60473	19.98	ug/l	99
37) Ethyl Acetate	4.39	43	65579	20.90	ug/l	99
38) Carbon Tetrachloride	5.14	117	65666	19.16	ug/l	96

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 Quant Title : SW846 8260
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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	6.42	83	66181	19.09	ug/l	98
40) Benzene	5.39	78	172005	19.45	ug/l	99
41) Methacrylonitrile	4.55	41	36916	21.18	ug/l	99
42) 1,2-Dichloroethane	5.41	62	67897	19.94	ug/l	100
43) Isopropyl Acetate	5.55	43	103432	19.95	ug/l	99
44) Trichloroethene	6.19	130	48862	19.84	ug/l	96
45) 1,2-Dichloropropane	6.44	63	45878	19.89	ug/l	94
46) Dibromomethane	6.56	93	33220	19.87	ug/l	97
47) Bromodichloromethane	6.76	83	61897	19.41	ug/l	91
48) Methyl methacrylate	6.63	41	52950	20.84	ug/l	99
49) 1,4-Dioxane	6.62	88	25344	409.83	ug/l	99
51) 4-Methyl-2-Pentanone	7.46	43	338460	104.27	ug/l	100
52) Toluene	7.64	92	109510	19.93	ug/l	100
53) t-1,3-Dichloropropene	7.88	75	67771	18.93	ug/l	98
54) cis-1,3-Dichloropropene	7.27	75	71496	19.44	ug/l	96
55) 1,1,2-Trichloroethane	8.07	97	43847	19.20	ug/l	99
56) Ethyl methacrylate	8.02	69	64877	19.88	ug/l	98
57) 1,3-Dichloropropane	8.25	76	74912	19.51	ug/l	100
58) 2-Chloroethyl Vinyl ether	7.13	63	137308	97.38	ug/l	100
59) 2-Hexanone	8.36	43	264288	103.86	ug/l	98
60) Dibromochloromethane	8.48	129	51384	19.08	ug/l	98
61) 1,2-Dibromoethane	8.59	107	50516	19.89	ug/l	100
64) Tetrachloroethene	8.23	164	42672	19.38	ug/l	98
65) Chlorobenzene	9.12	112	126761	19.66	ug/l	99
66) 1,1,1,2-Tetrachloroethane	9.21	131	45347	19.44	ug/l	96
67) Ethyl Benzene	9.25	91	207047	19.38	ug/l	100
68) m/p-Xylenes	9.38	106	162690	39.67	ug/l	99
69) o-Xylene	9.78	106	78110	19.49	ug/l	99
70) Styrene	9.80	104	126819	19.59	ug/l	99
71) Bromoform	9.96	173	38604	19.08	ug/l	# 98
73) Isopropylbenzene	10.17	105	213462	20.02	ug/l	99
74) N-amyl acetate	10.02	43	91109	20.93	ug/l	98
75) 1,1,2,2-Tetrachloroethane	10.46	83	74941	20.32	ug/l	99
76) 1,2,3-Trichloropropane	10.50	75	66727m	19.39	ug/l	
77) Bromobenzene	10.46	156	57652	19.60	ug/l	99
78) n-propylbenzene	10.59	91	247826	19.91	ug/l	99
79) 2-Chlorotoluene	10.66	91	145951	20.02	ug/l	99
80) 1,3,5-Trimethylbenzene	10.78	105	181476	20.04	ug/l	98
81) trans-1,4-Dichloro-2-buten	10.50	75	53585m	39.04	ug/l	
82) 4-Chlorotoluene	10.78	91	173074	20.14	ug/l	99
83) tert-Butylbenzene	11.10	119	176349	19.60	ug/l	98
84) 1,2,4-Trimethylbenzene	11.15	105	184384	20.09	ug/l	97
85) sec-Butylbenzene	11.33	105	217758	19.82	ug/l	100
86) p-Isopropyltoluene	11.48	119	196112	19.94	ug/l	99
87) 1,3-Dichlorobenzene	11.42	146	106819	19.57	ug/l	98
88) 1,4-Dichlorobenzene	11.51	146	109013	19.16	ug/l	99
89) n-Butylbenzene	11.89	91	179368	19.76	ug/l	98
90) Hexachloroethane	12.15	117	31649	18.10	ug/l	98
91) 1,2-Dichlorobenzene	11.88	146	103404	19.32	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	12.66	75	18334	20.97	ug/l	98

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ALS Vial : 24 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
VU0727WBSD01

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Quant Title : SW846 8260
QLast Update : Fri Jul 27 13:11:52 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.51	180	72416	20.05	ug/l	99
94) Hexachlorobutadiene	13.70	225	36323	19.08	ug/l	96
95) Naphthalene	13.75	128	218852	19.64	ug/l	99
96) 1,2,3-Trichlorobenzene	13.99	180	74382	20.65	ug/l	99

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

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Misc : 5.0mL/MSVOA U/WATER
ALS Vial : 24 Sample Multiplier: 1

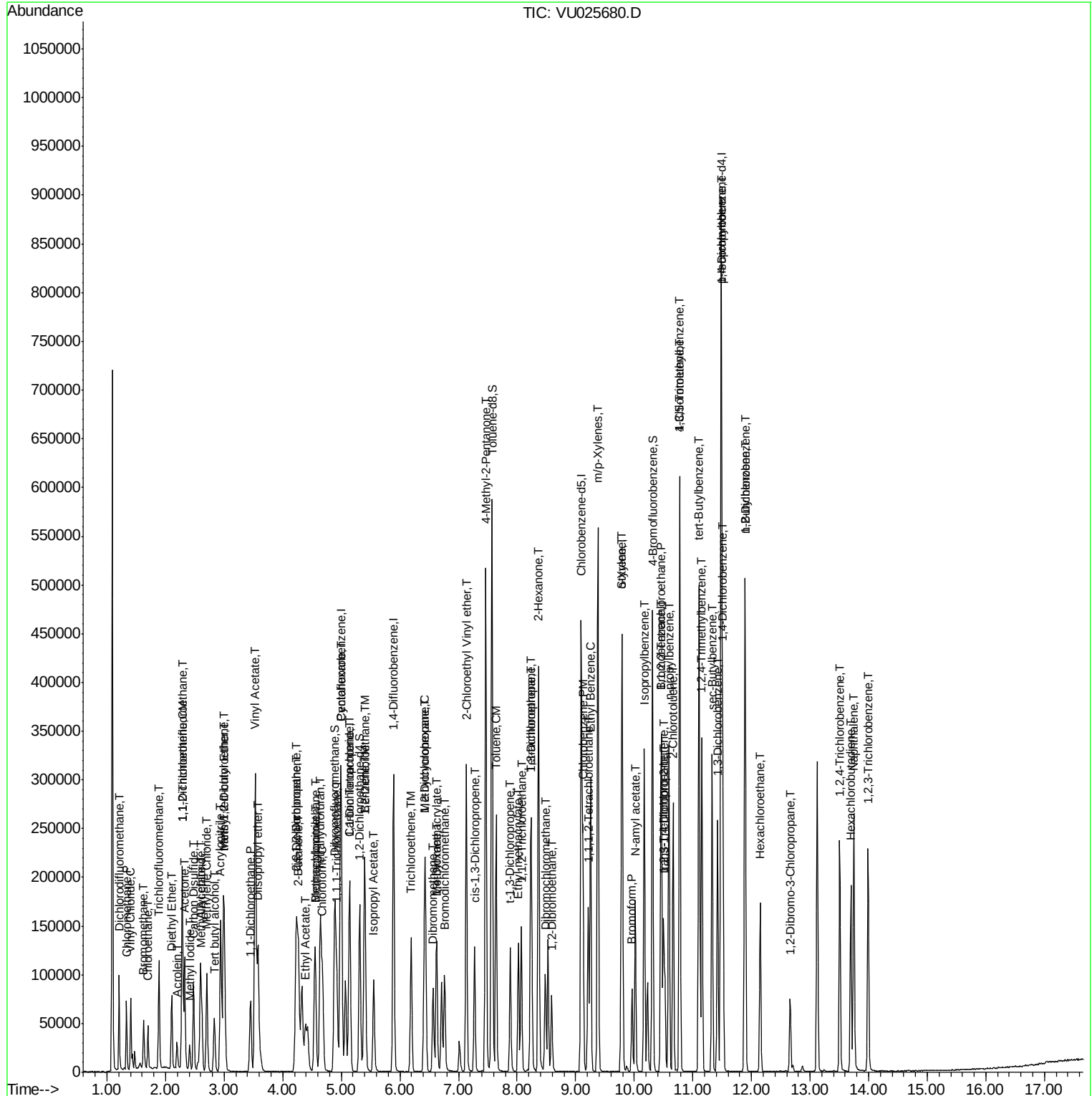
Instrument :
MSVOA_U
ClientSampleId :
VU0727WBSD01

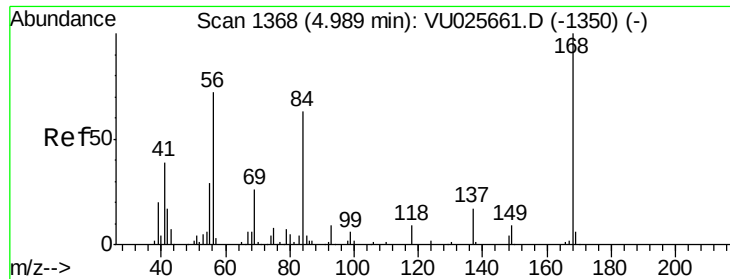
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Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 4.99 min Scan# 1368

Delta R.T. 0.00 min

Lab File: VU025680.D

Acq: 27 Jul 2018 19:36

Instrument :

MSVOA_U

ClientSampleId :

VU0727WBSD01

Tot Ion:168 Resp: 166118

Ion Ratio Lower Upper

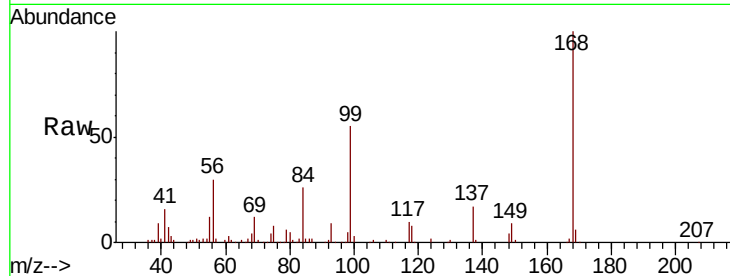
168 100

99 55.1 42.8 64.2

Manual Integrations
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Abundance Ion 167.90 (167.60 to 168.60): VU025680.D (-1275) (-)

Ion 98.90 (98.60 to 99.60): VU025680.D (-1275) (-)

4.99

80000

60000

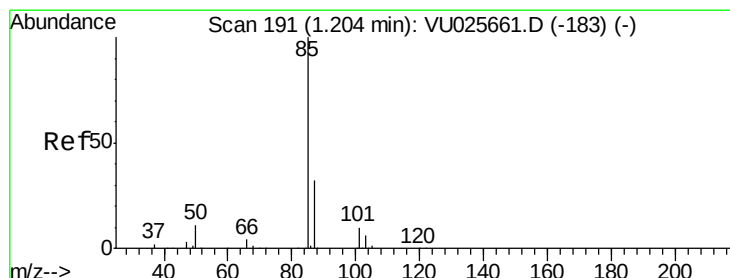
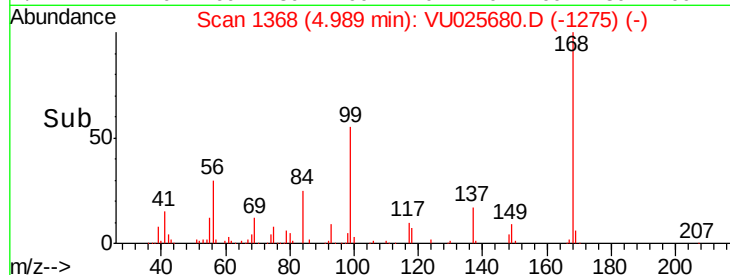
40000

20000

0

4.90 4.95 5.00 5.05 5.10

Time-->



#2

Dichlorodifluoromethane

Concen: 22.01 ug/l

RT: 1.21 min Scan# 192

Delta R.T. 0.00 min

Lab File: VU025680.D

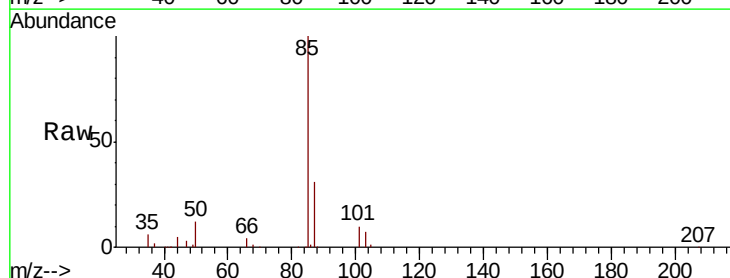
Acq: 27 Jul 2018 19:36

Tgt Ion: 85 Resp: 55259

Ion Ratio Lower Upper

85 100

87 30.9 16.5 49.5



Abundance Ion 84.90 (84.60 to 85.60): VU025680.D (-98) (-)

Ion 86.90 (86.60 to 87.60): VU025680.D (-98) (-)

1.21

60000

50000

40000

30000

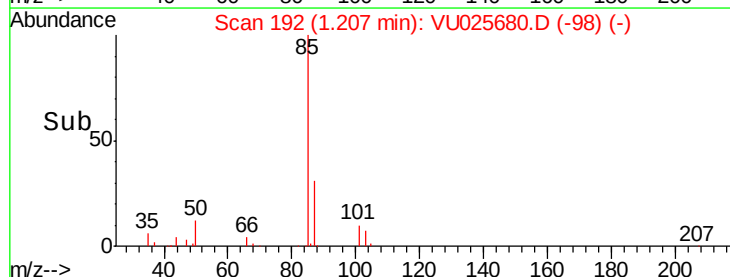
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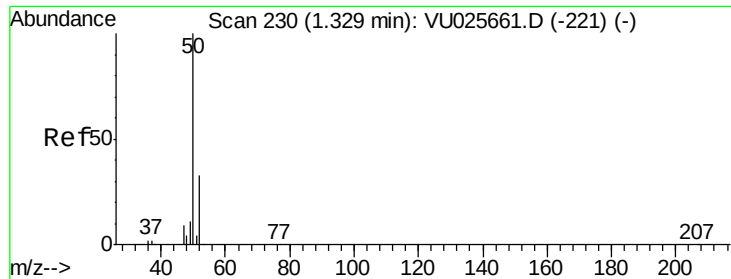
10000

0

1.15 1.20 1.25

Time-->





#3

Chloromethane

Concen: 19.74 ug/l

RT: 1.33 min Scan# 231

Delta R.T. 0.00 min

Lab File: VU025680.D

Acq: 27 Jul 2018 19:36

Instrument :

MSVOA_U

ClientSampleId :

VU0727WBSD01

Tot Ion: 50 Resp: 47368

Ion Ratio Lower Upper

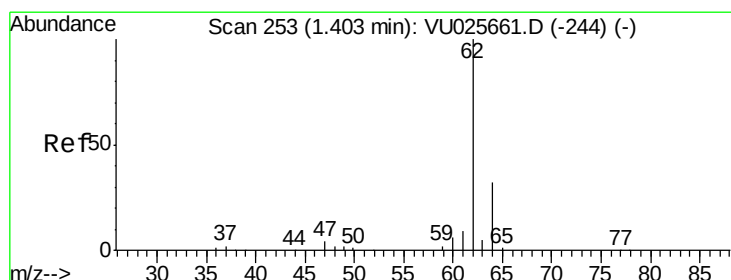
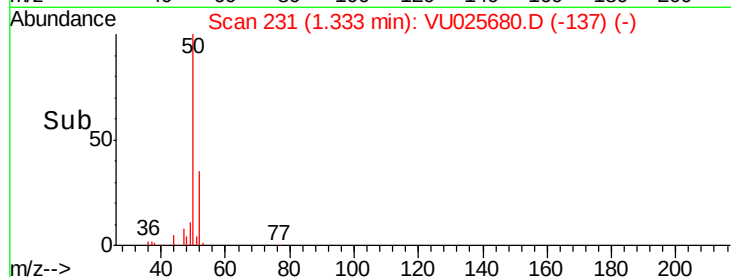
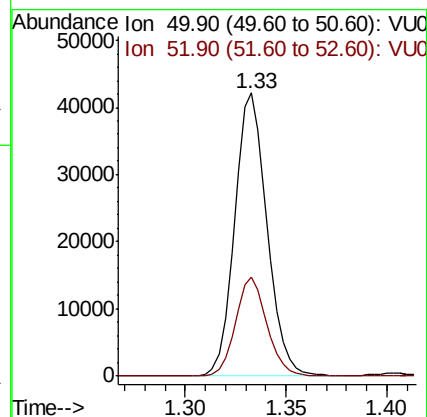
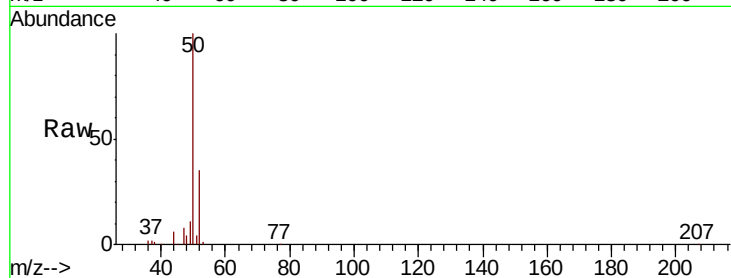
50 100

52 35.1 26.5 39.7

Manual Integrations
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#4

Vinyl Chloride

Concen: 20.10 ug/l

RT: 1.40 min Scan# 253

Delta R.T. 0.00 min

Lab File: VU025680.D

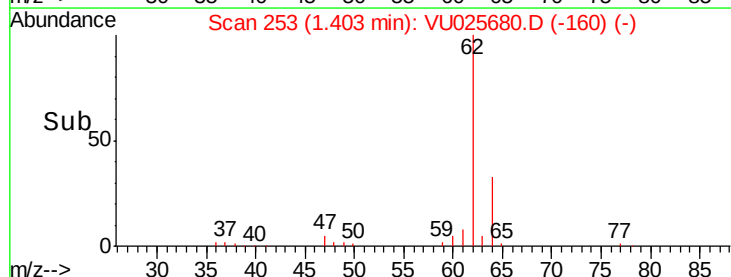
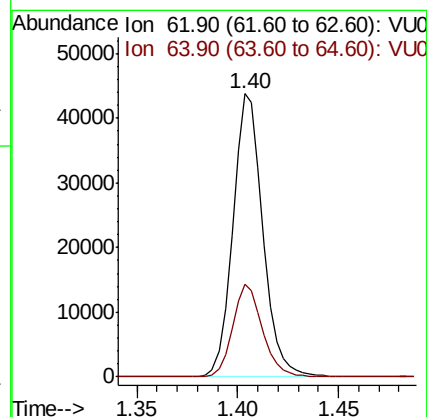
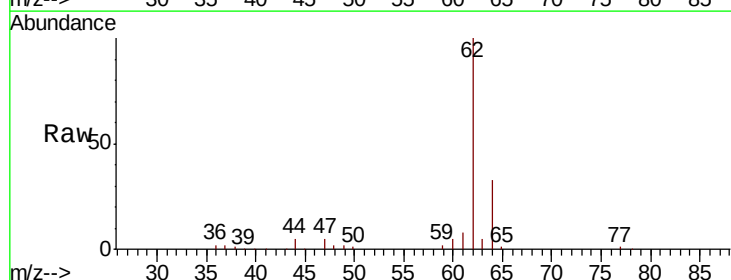
Acq: 27 Jul 2018 19:36

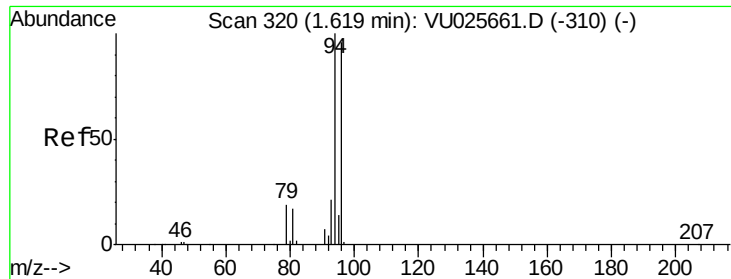
Tgt Ion: 62 Resp: 45400

Ion Ratio Lower Upper

62 100

64 32.6 25.4 38.0





#5

Bromomethane

Concen: 20.60 ug/l

RT: 1.63 min Scan# 322

Delta R.T. 0.01 min

Lab File: VU025680.D

Acq: 27 Jul 2018 19:36

Instrument :

MSVOA_U

ClientSampleId :

VU0727WBSD01

Tot Ion: 94 Resp: 22727

Ion Ratio Lower Upper

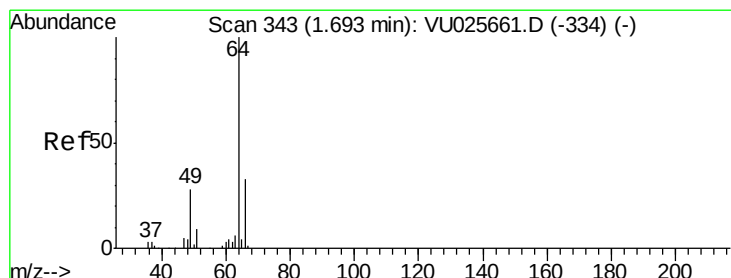
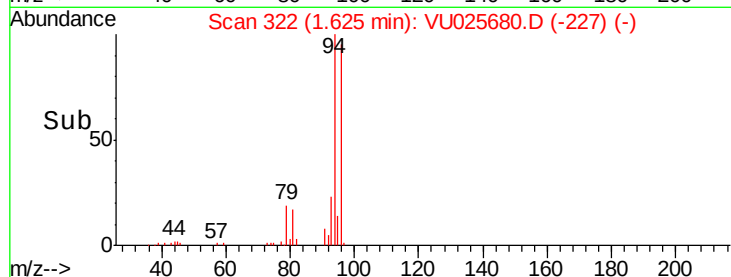
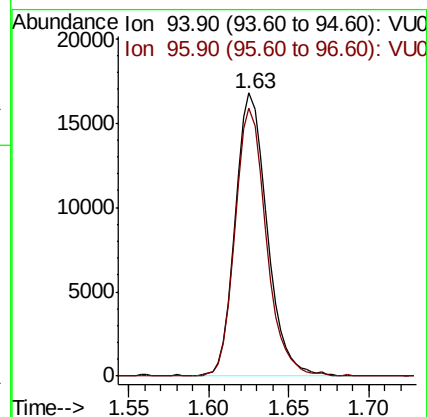
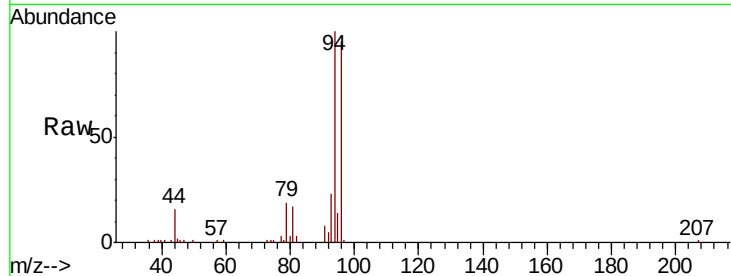
94 100

96 94.5 75.0 112.4

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#6

Chloroethane

Concen: 19.99 ug/l

RT: 1.70 min Scan# 345

Delta R.T. 0.01 min

Lab File: VU025680.D

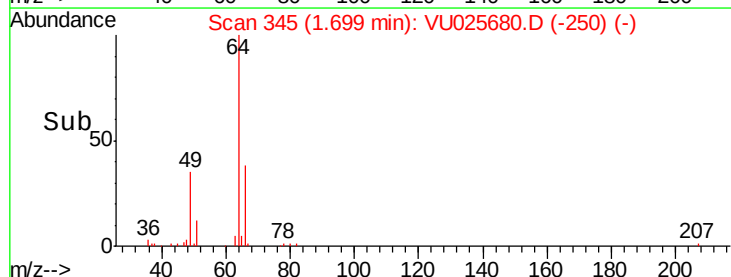
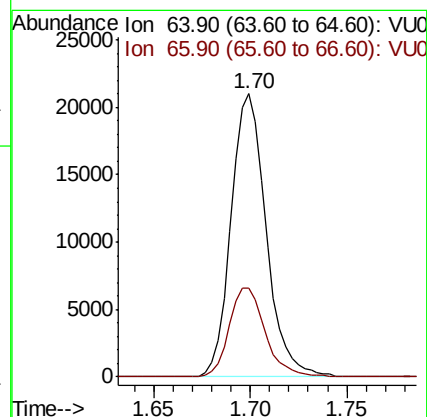
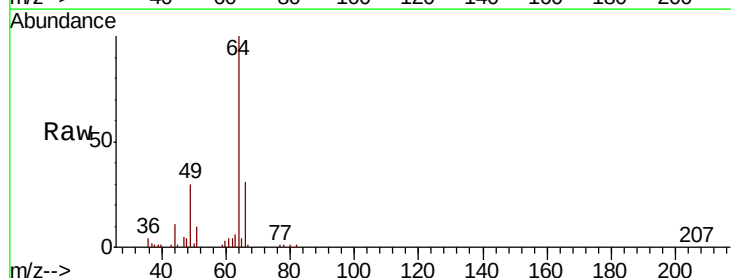
Acq: 27 Jul 2018 19:36

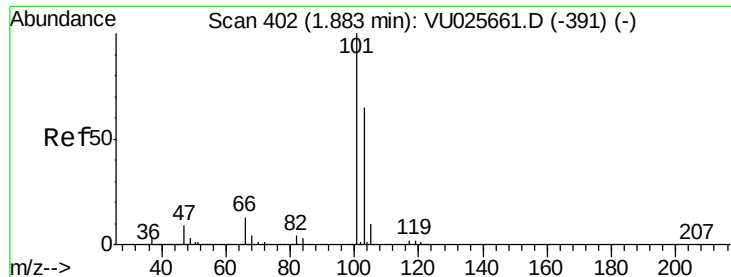
Tgt Ion: 64 Resp: 26397

Ion Ratio Lower Upper

64 100

66 31.4 25.0 37.4





#7

Trichlorofluoromethane
 Concen: 20.73 ug/l
 RT: 1.89 min Scan# 403
 Delta R.T. 0.00 min
 Lab File: VU025680.D
 Acq: 27 Jul 2018 19:36

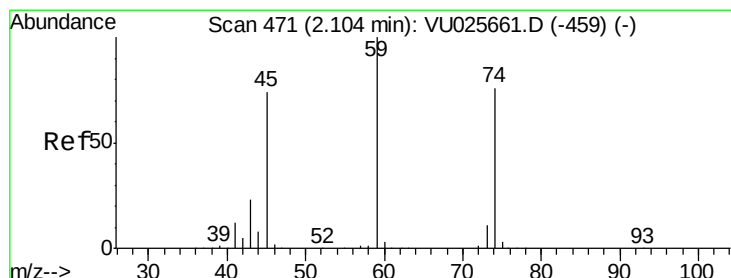
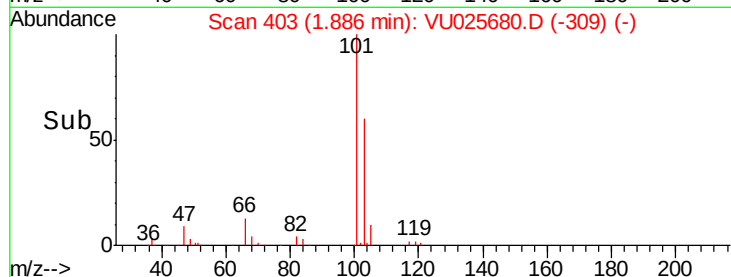
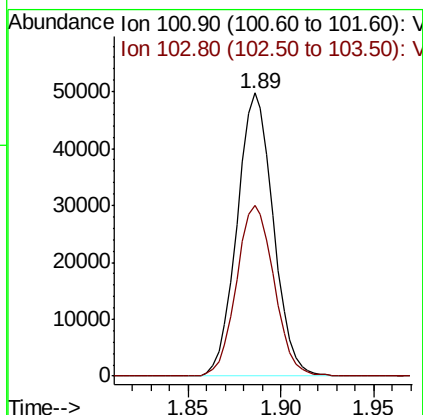
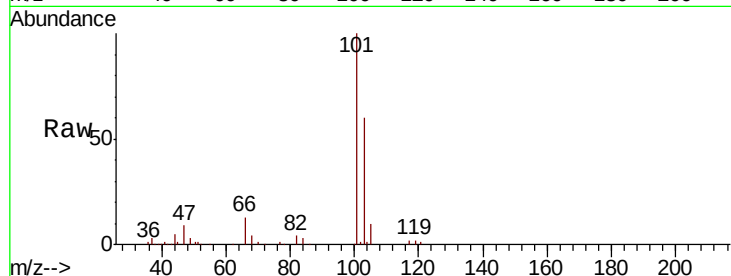
Instrument :
 MSVOA_U
 ClientSampled :
 VU0727WBSD01

Tot Ion	Ratio	Lower	Upper
101	100		
103	60.5	52.2	78.2

Manual Integrations
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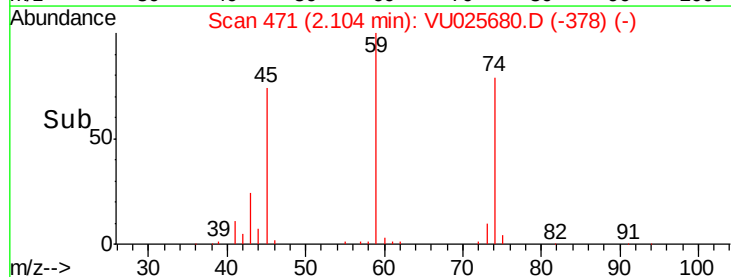
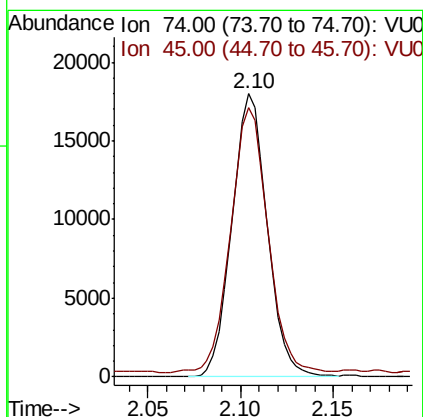
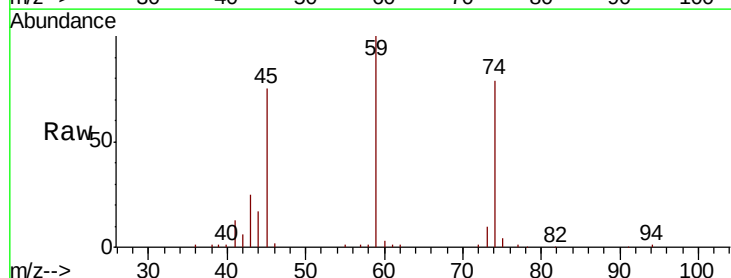
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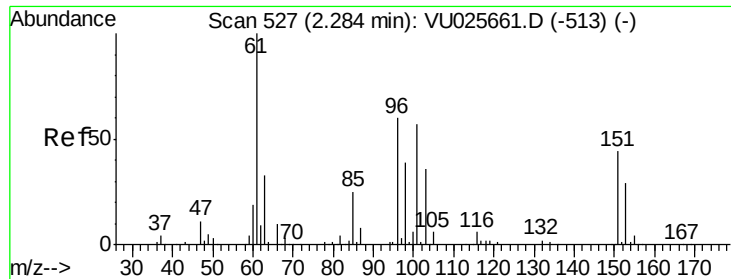


#8

Diethyl Ether
 Concen: 20.14 ug/l
 RT: 2.10 min Scan# 471
 Delta R.T. 0.00 min
 Lab File: VU025680.D
 Acq: 27 Jul 2018 19:36

Tgt Ion	Ratio	Lower	Upper
74	100		
45	98.1	48.3	144.9





#9

1,1,2-Trichlorotrifluoroethane

Concen: 19.41 ug/l

RT: 2.29 min Scan# 528

Delta R.T. 0.00 min

Lab File: VU025680.D

Acq: 27 Jul 2018 19:36

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MSVOA_U

ClientSampleId :

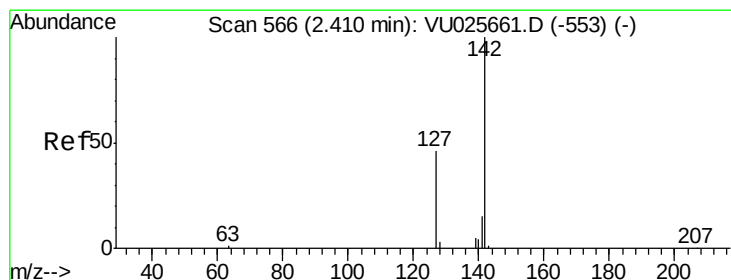
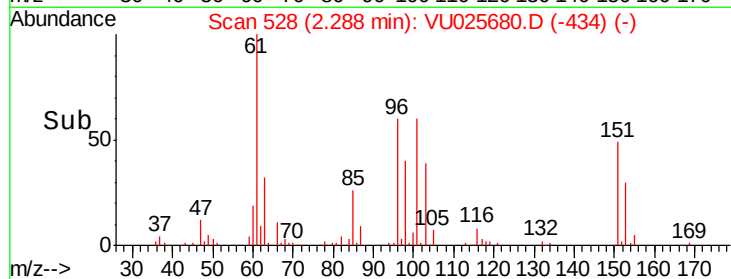
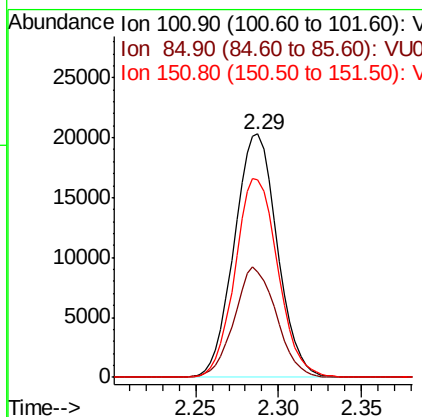
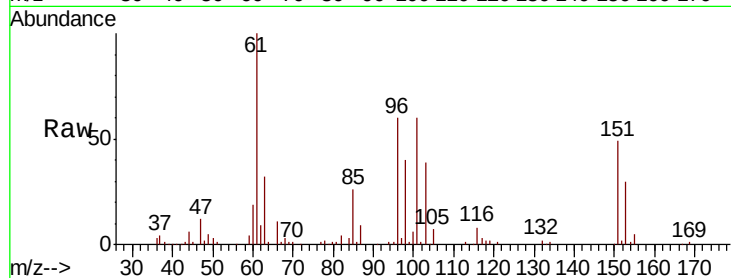
VU0727WBSD01

Tot Ion:	101	Resp:	36677
Ion Ratio	Lower	Upper	
101	100		
85	44.2	36.0	54.0
151	81.4	65.6	98.4

Manual Integrations
APPROVED

MM Dadoda

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#10

Methyl Iodide

Concen: 20.67 ug/l

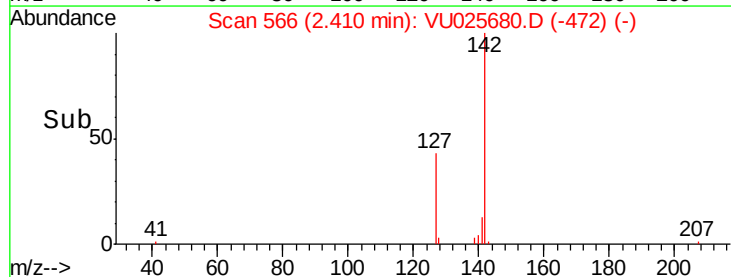
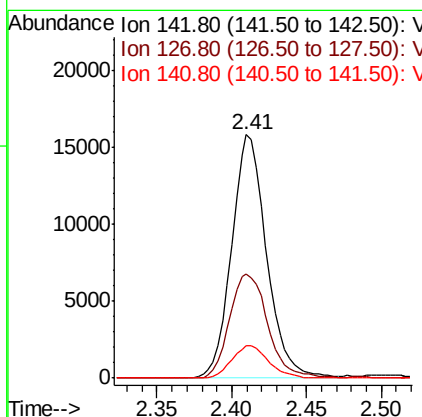
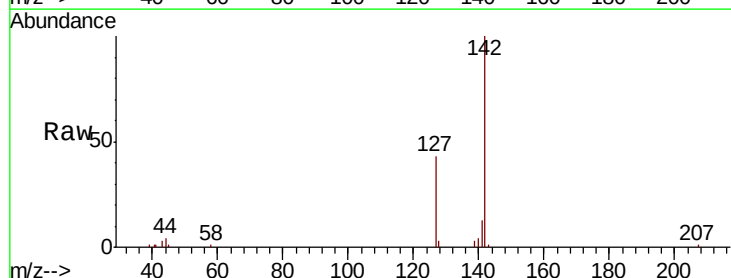
RT: 2.41 min Scan# 566

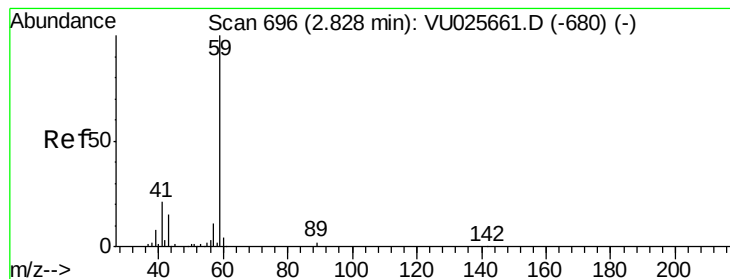
Delta R.T. 0.00 min

Lab File: VU025680.D

Acq: 27 Jul 2018 19:36

Tgt Ion:	142	Resp:	25692
Ion Ratio	Lower	Upper	
142	100		
127	46.7	36.5	54.7
141	14.0	11.4	17.2





#11

Tert butyl alcohol
Concen: 110.37 ug/l
RT: 2.83 min Scan# 697
Delta R.T. 0.00 min
Lab File: VU025680.D
Acq: 27 Jul 2018 19:36

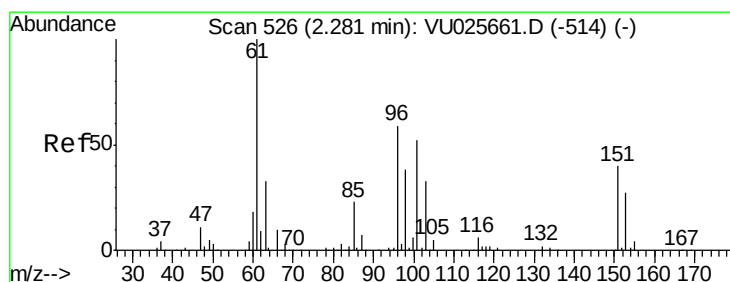
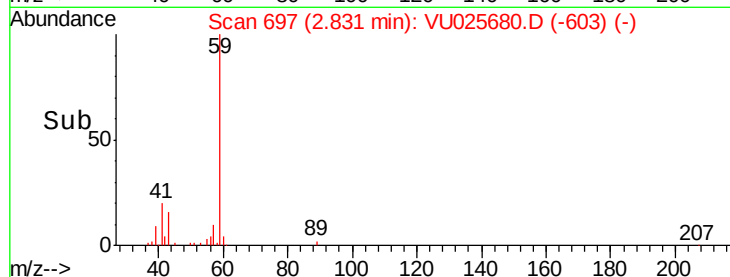
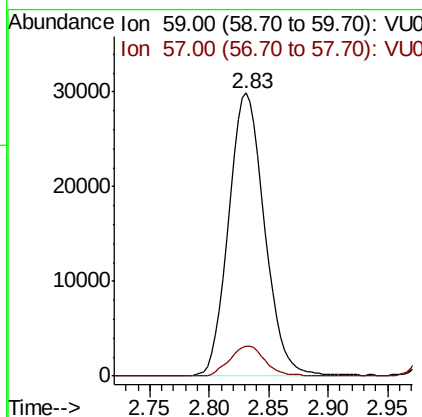
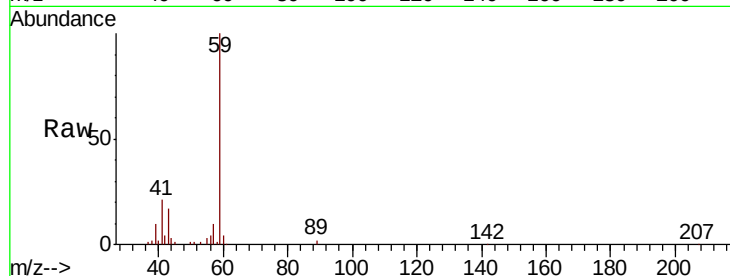
Instrument :
MSVOA_U
ClientSampled :
VU0727WBSD01

Tot Ion	59.00	Resp	62545
Ion Ratio	100	Lower	Upper
57	10.5	8.2	12.2

Manual Integrations
APPROVED

MMDadoda

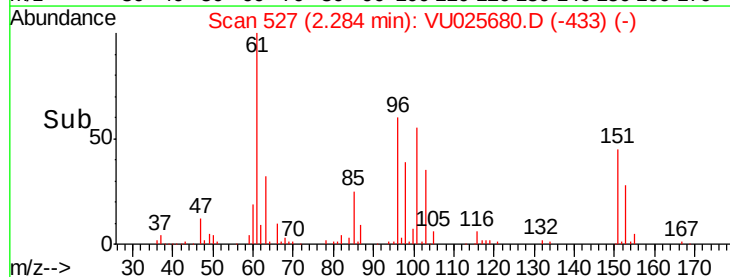
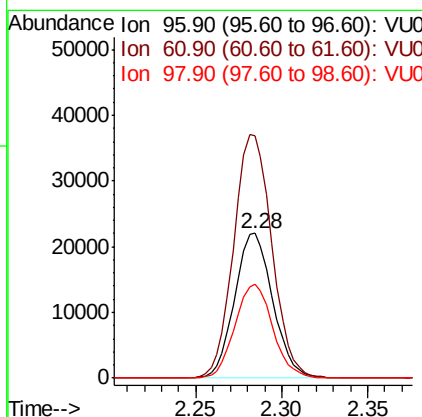
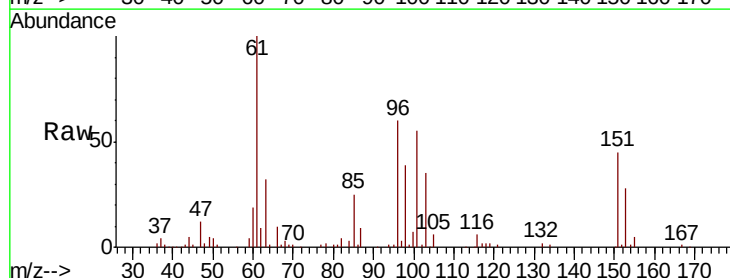
7/31/2018 3:49:31 PM

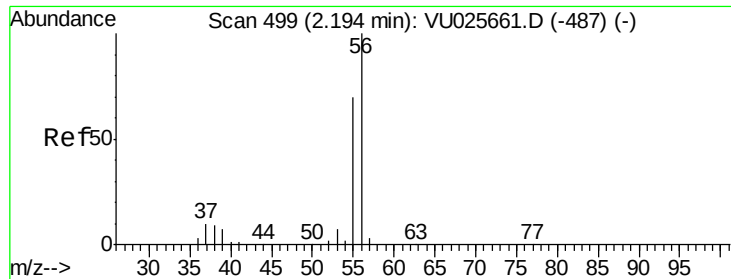


#12

1,1-Dichloroethene
Concen: 19.00 ug/l
RT: 2.28 min Scan# 527
Delta R.T. 0.00 min
Lab File: VU025680.D
Acq: 27 Jul 2018 19:36

Tgt Ion	96	Resp	33890
Ion Ratio	100	Lower	Upper
61	167.6	140.2	210.4
98	64.8	49.3	73.9





#13
Acrolein
Concen: 89.61 ug/l
RT: 2.19 min Scan# 499
Delta R.T. 0.00 min
Lab File: VU025680.D
Acq: 27 Jul 2018 19:36

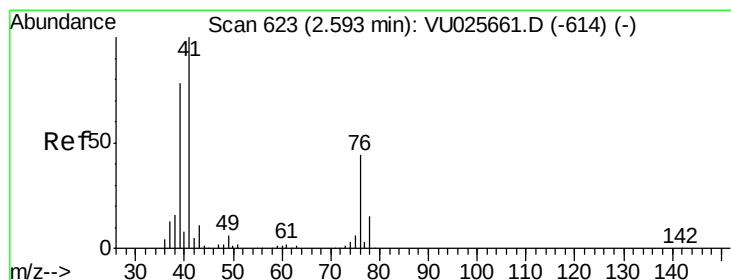
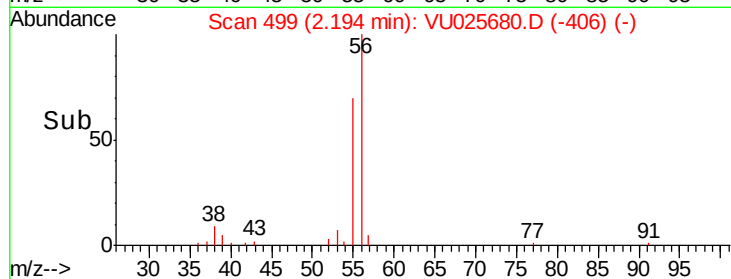
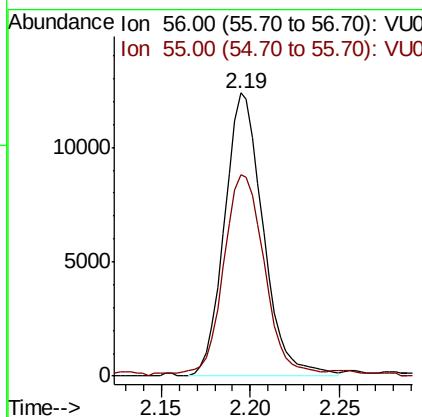
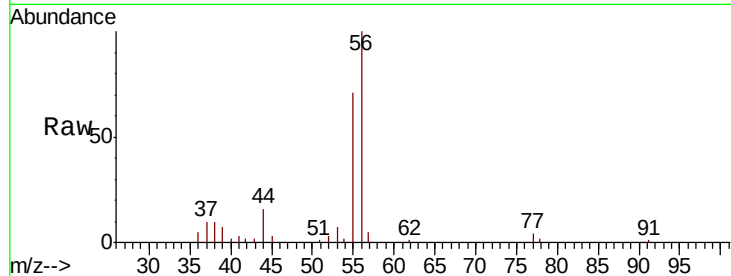
Instrument :
MSVOA_U
ClientSampleId :
VU0727WBSD01

Tot Ion	56	55	Ratio	Lower	Upper
18658	100	73.6		57.2	85.8

Manual Integrations
APPROVED

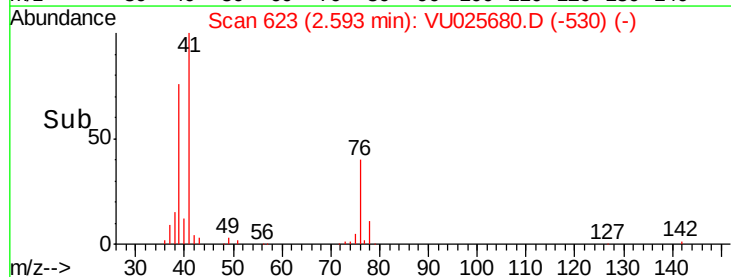
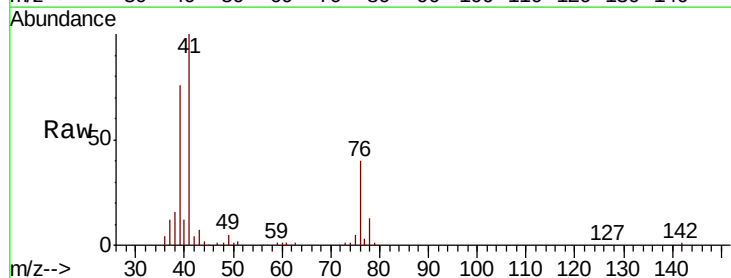
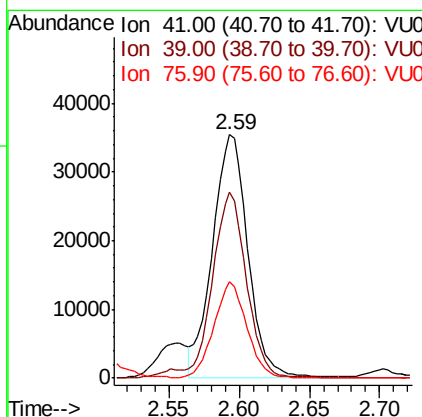
MM Dadoda

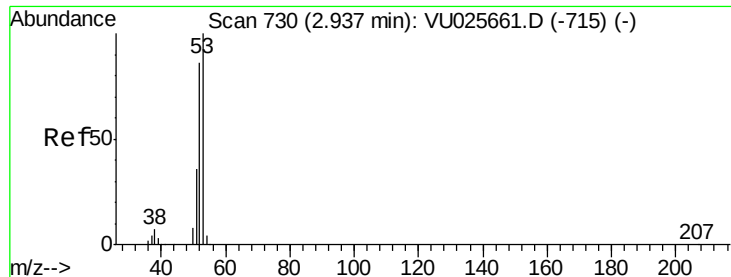
7/31/2018 3:49:31 PM



#14
Allyl chloride
Concen: 19.12 ug/l
RT: 2.59 min Scan# 623
Delta R.T. 0.00 min
Lab File: VU025680.D
Acq: 27 Jul 2018 19:36

Tgt Ion	41	39	76	Ratio	Lower	Upper
61293	100	72.0	37.1		60.6	91.0





#15

Acrylonitrile

Concen: 110.22 ug/l

RT: 2.94 min Scan# 730

Delta R.T. 0.00 min

Lab File: VU025680.D

Acq: 27 Jul 2018 19:36

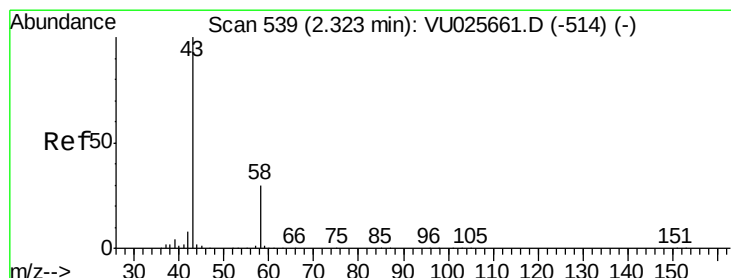
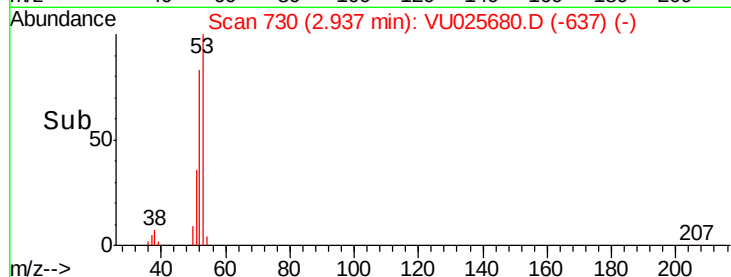
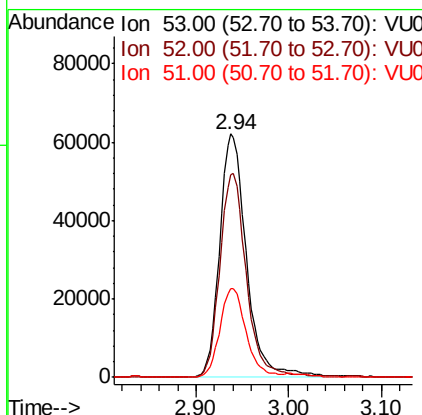
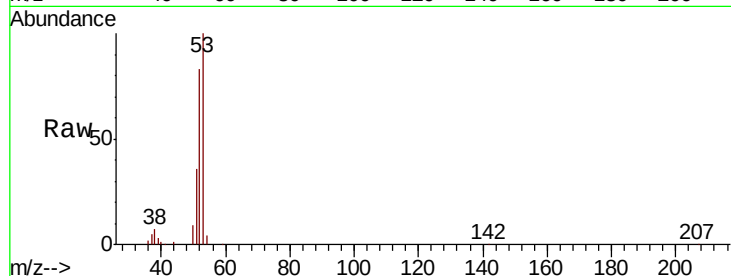
Tot Ion:	53	Resp:	124709
Ion	Ratio	Lower	Upper
53	100		
52	83.1	66.6	99.8
51	35.7	29.4	44.2

Instrument :
MSVOA_U
ClientSampleId :
VU0727WBSD01

Manual Integrations
APPROVED

MMDadoda

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#16

Acetone

Concen: 93.10 ug/l

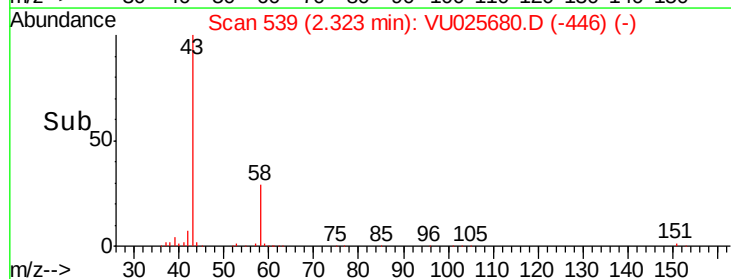
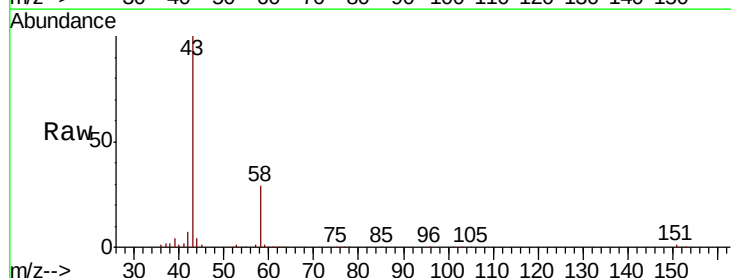
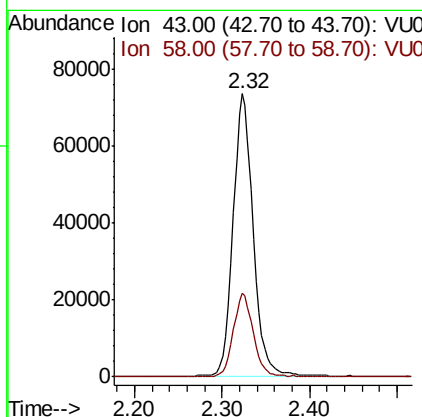
RT: 2.32 min Scan# 539

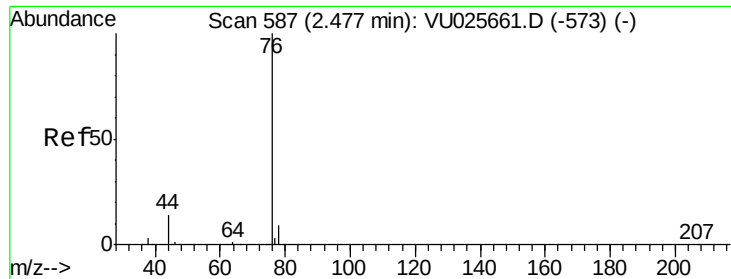
Delta R.T. 0.00 min

Lab File: VU025680.D

Acq: 27 Jul 2018 19:36

Tgt Ion:	43	Resp:	117487
Ion	Ratio	Lower	Upper
43	100		
58	29.5	23.1	34.7





#17
Carbon Disulfide
Concen: 19.37 ug/l
RT: 2.48 min Scan# 587
Delta R.T. 0.00 min
Lab File: VU025680.D
Acq: 27 Jul 2018 19:36

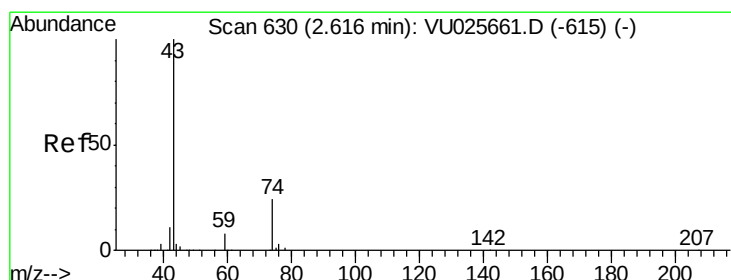
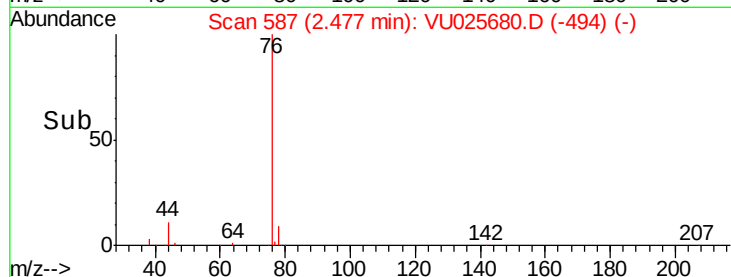
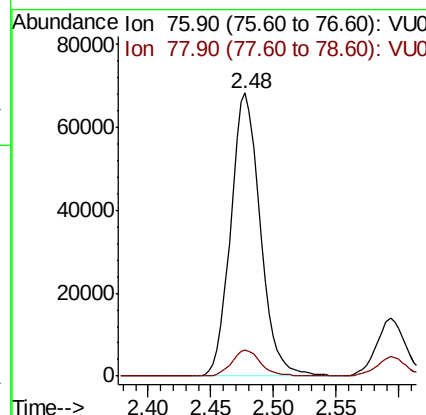
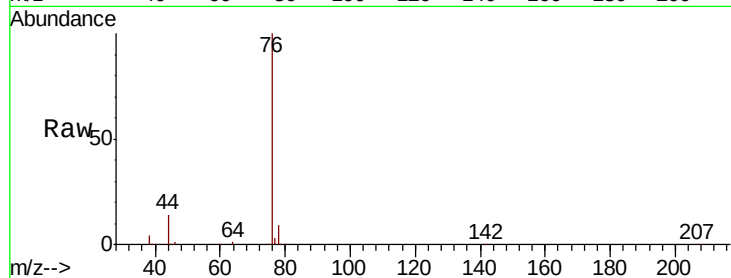
Instrument :
MSVOA_U
ClientSampleId :
VU0727WBSD01

Tot Ion	Ratio	Lower	Upper
76	100		
78	9.3	7.4	11.2

Manual Integrations
APPROVED

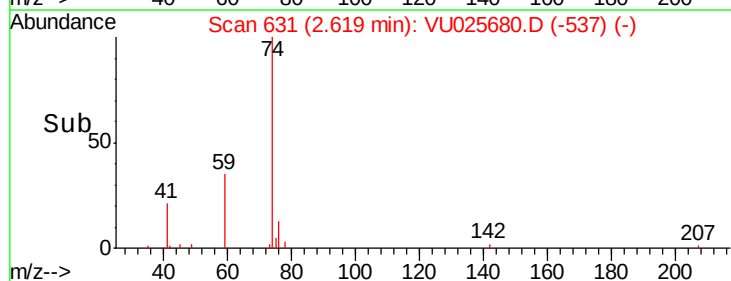
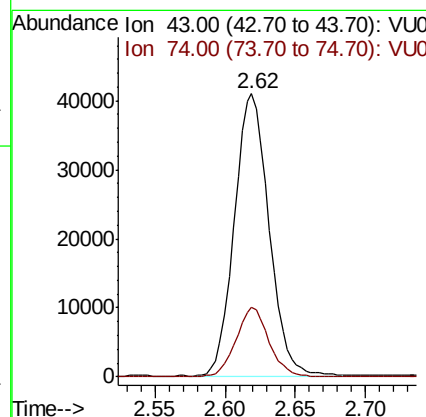
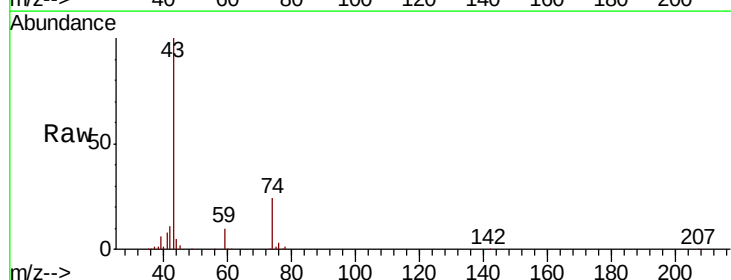
MMDadoda

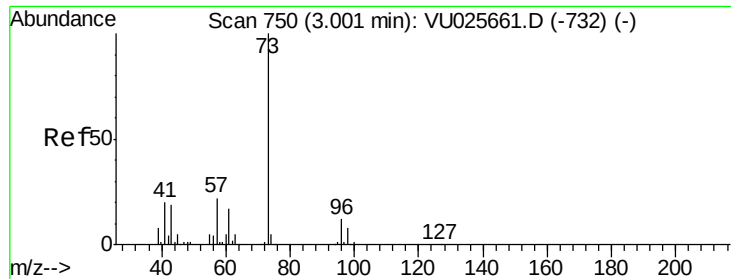
7/31/2018 3:49:31 PM



#18
Methyl Acetate
Concen: 23.09 ug/l
RT: 2.62 min Scan# 631
Delta R.T. 0.00 min
Lab File: VU025680.D
Acq: 27 Jul 2018 19:36

Tgt Ion	Ratio	Lower	Upper
43	100		
74	23.5	18.5	27.7





#19
Methvl tert-butvl Ether
Concen: 20.38 ug/l
RT: 3.00 min Scan# 750
Delta R.T. 0.00 min
Lab File: VU025680.D
Acq: 27 Jul 2018 19:36

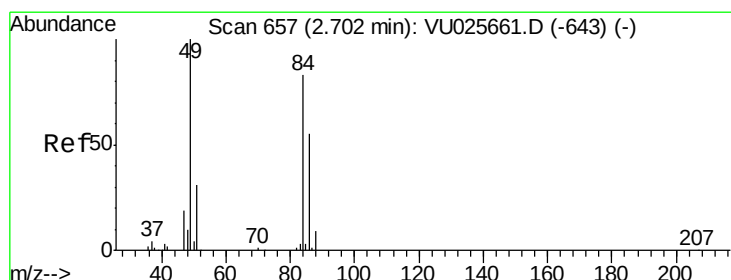
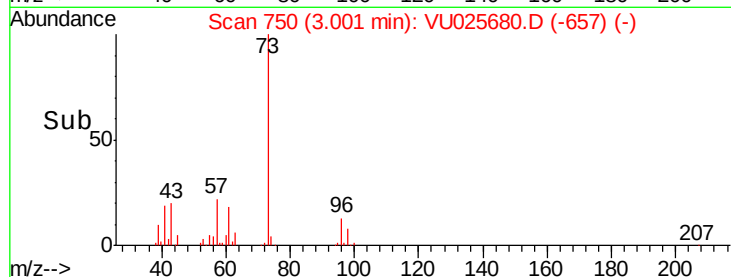
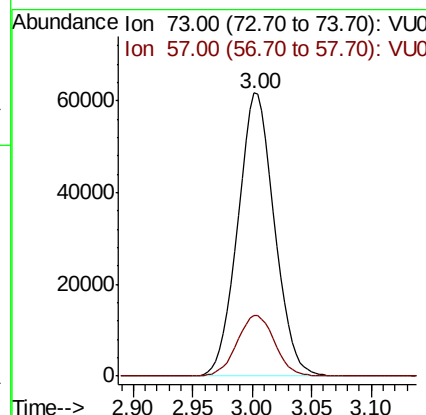
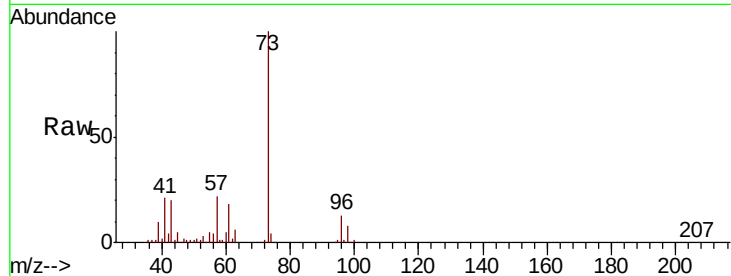
Instrument :
MSVOA_U
ClientSampleId :
VU0727WBSD01

Tot Ion	Ratio	Lower	Upper
73	100		
57	21.6	17.4	26.2

Manual Integrations
APPROVED

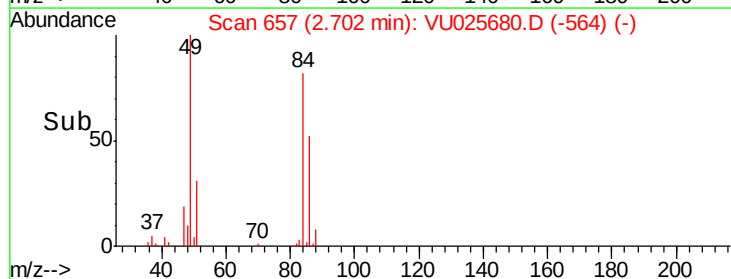
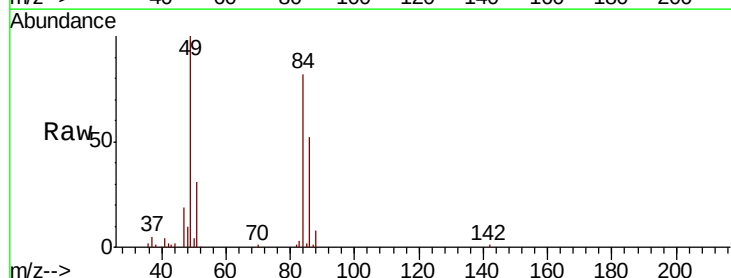
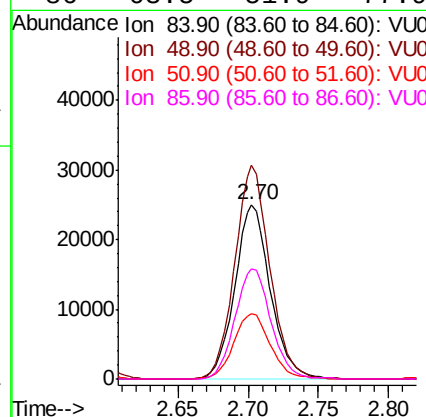
MMDadoda

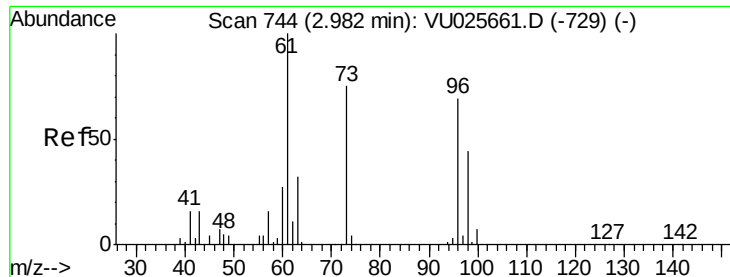
7/31/2018 3:49:31 PM



#20
Methylene Chloride
Concen: 19.63 ug/l
RT: 2.70 min Scan# 657
Delta R.T. 0.00 min
Lab File: VU025680.D
Acq: 27 Jul 2018 19:36

Tgt Ion	Ratio	Lower	Upper
84	100		
49	122.6	101.8	152.6
51	37.4	30.8	46.2
86	63.5	51.9	77.9





#21

trans-1,2-Dichloroethene

Concen: 19.89 ug/l

RT: 2.99 min Scan# 745

Delta R.T. 0.00 min

Lab File: VU025680.D

Acq: 27 Jul 2018 19:36

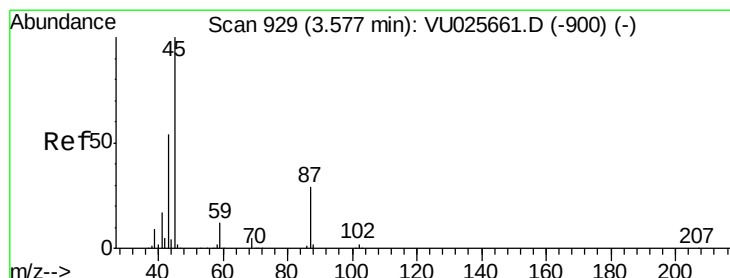
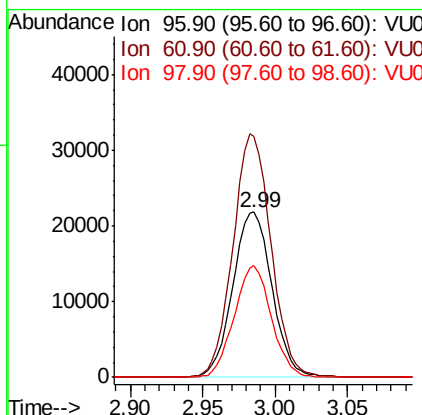
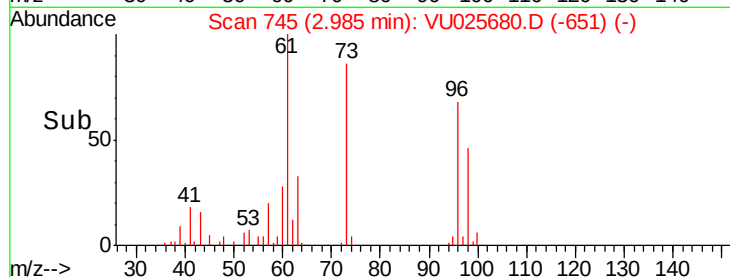
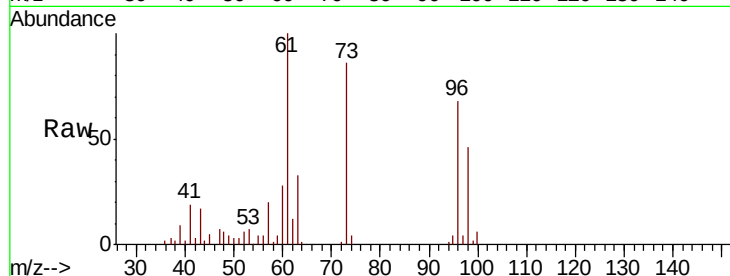
Tot Ion:	96	Resp:	41015
Ion	Ratio	Lower	Upper
96	100		
61	146.3	114.5	171.7
98	67.6	50.5	75.7

Instrument :
MSVOA_U
ClientSampleId :
VU0727WBSD01

Manual Integrations
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#22

Diisopropyl ether

Concen: 20.56 ug/l

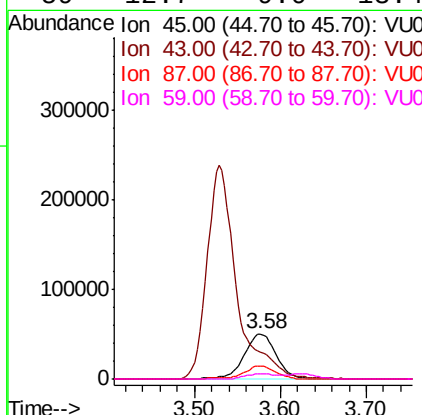
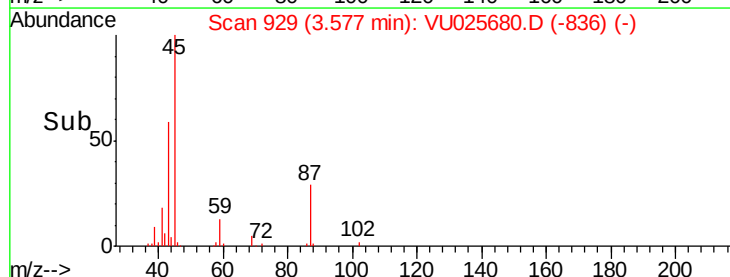
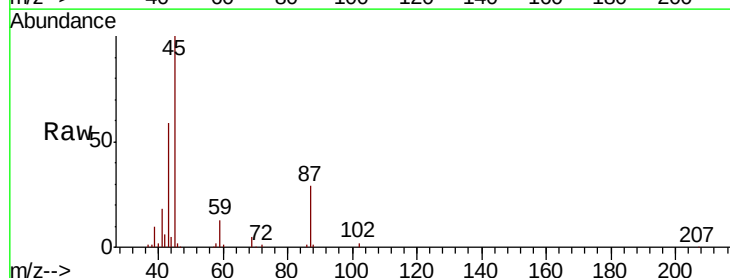
RT: 3.58 min Scan# 929

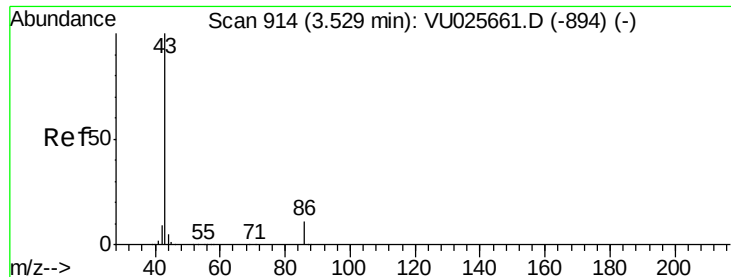
Delta R.T. 0.00 min

Lab File: VU025680.D

Acq: 27 Jul 2018 19:36

Tgt Ion:	45	Resp:	129858
Ion	Ratio	Lower	Upper
45	100		
43	58.0	50.9	76.3
87	28.6	23.8	35.8
59	12.7	9.0	13.4





#23

Vinyl Acetate

Concen: 103.91 ug/l

RT: 3.53 min Scan# 914

Delta R.T. 0.00 min

Lab File: VU025680.D

Acq: 27 Jul 2018 19:36

Tot Ion: 43 Resp: 571987

Ion Ratio Lower Upper

43 100

86 10.4 8.2 12.2

Instrument :

MSVOA_U

ClientSampled :

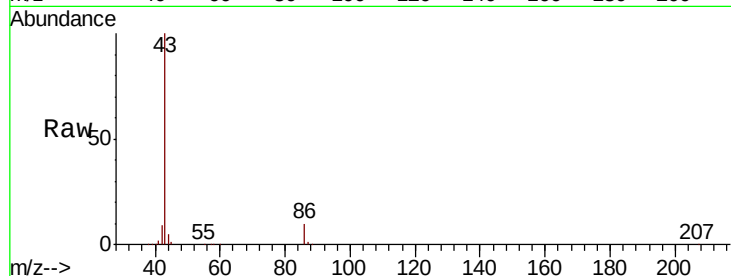
VU0727WBSD01

Manual Integrations

APPROVED

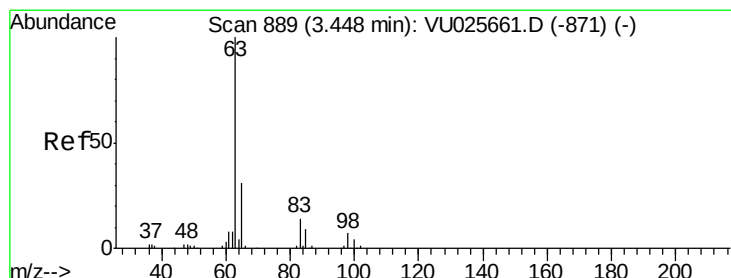
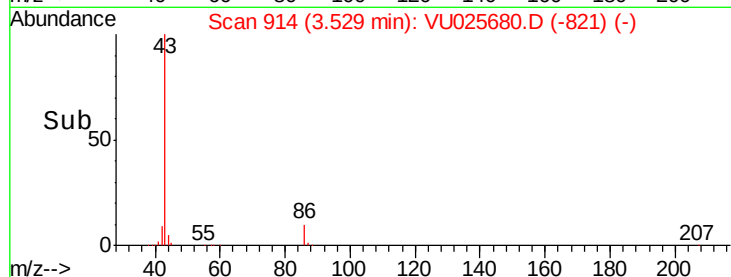
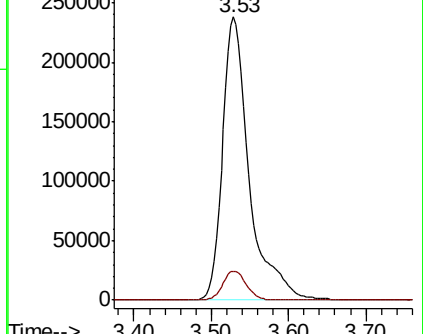
MMDadoda

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Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 86.00 (85.70 to 86.70): VU0



#24

1,1-Dichloroethane

Concen: 20.81 ug/l

RT: 3.45 min Scan# 889

Delta R.T. 0.00 min

Lab File: VU025680.D

Acq: 27 Jul 2018 19:36

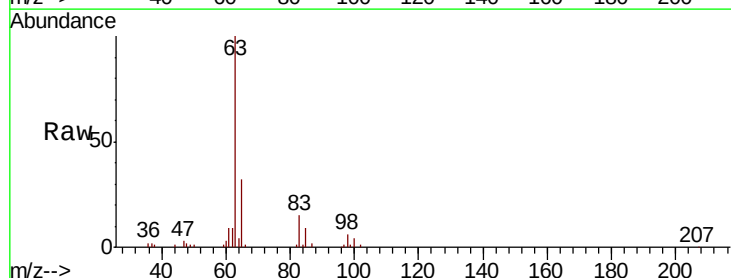
Tgt Ion: 63 Resp: 78885

Ion Ratio Lower Upper

63 100

98 6.5 3.4 10.1

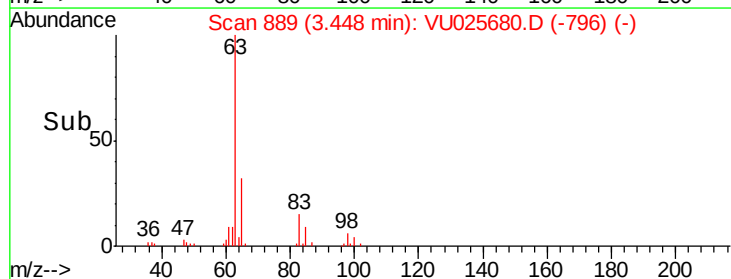
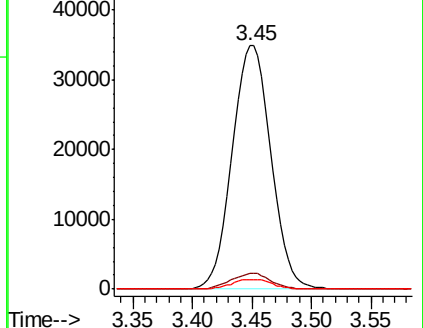
100 4.0 2.0 6.0

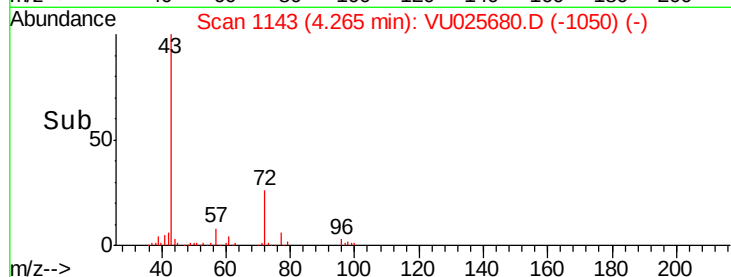
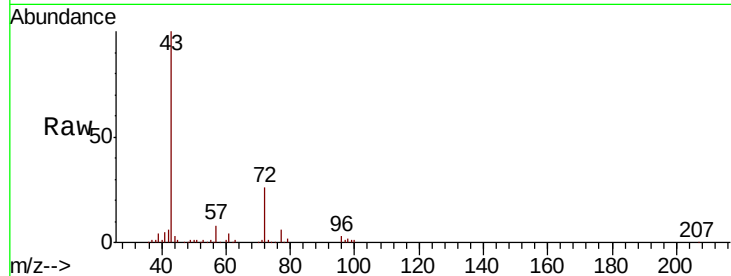
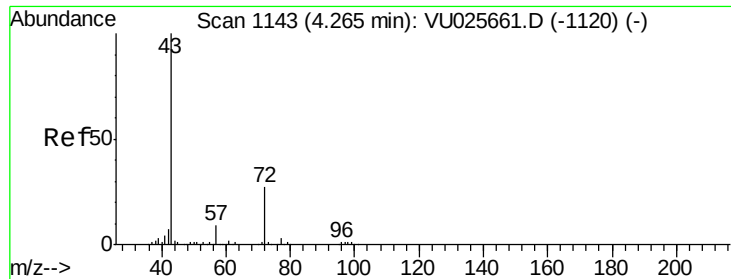


Abundance Ion 62.90 (62.60 to 63.60): VU0

Ion 97.90 (97.60 to 98.60): VU0

Ion 99.90 (99.60 to 100.60): VU0





#25
2-Butanone
Concen: 105.84 ug/l
RT: 4.27 min Scan# 1143
Delta R.T. 0.00 min
Lab File: VU025680.D
Acq: 27 Jul 2018 19:36

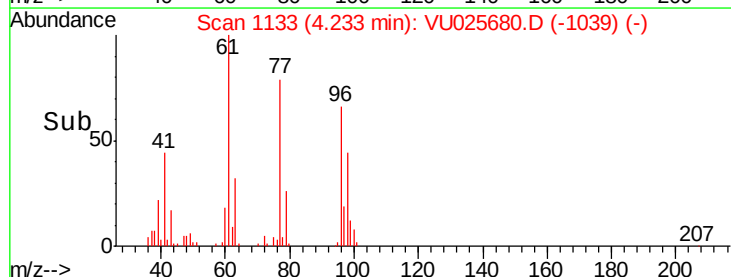
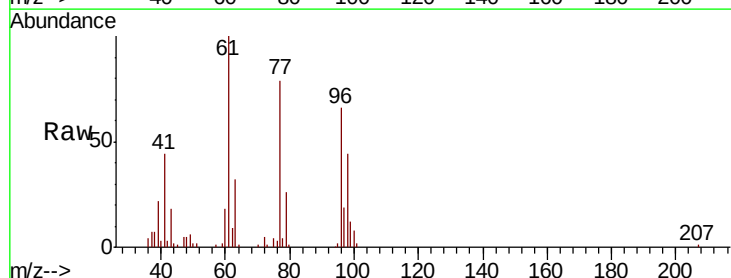
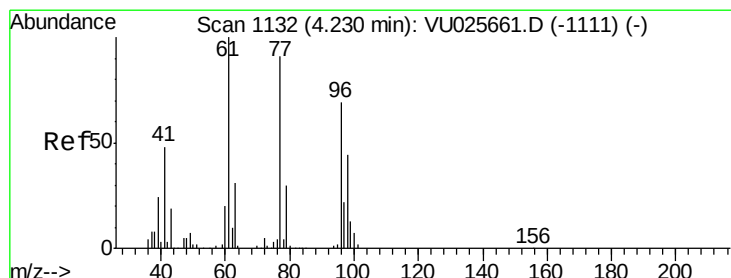
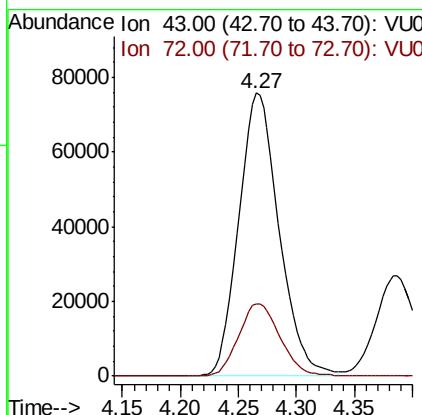
Tot Ion: 43 Resp: 181809
Ion Ratio Lower Upper
43 100
72 25.5 21.0 31.4

Instrument :
MSVOA_U
ClientSampleId :
VU0727WBSD01

Manual Integrations
APPROVED

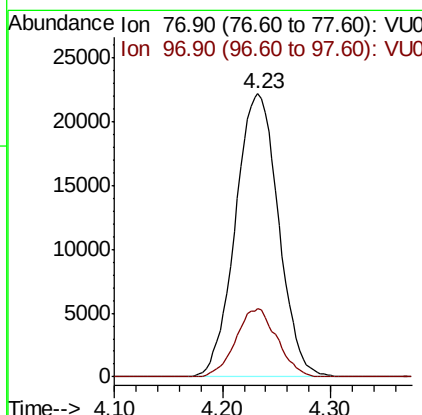
MMDadoda

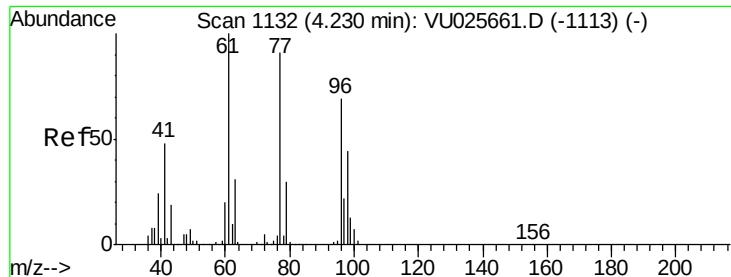
7/31/2018 3:49:31 PM



#26
2,2-Dichloropropane
Concen: 17.87 ug/l
RT: 4.23 min Scan# 1133
Delta R.T. 0.00 min
Lab File: VU025680.D
Acq: 27 Jul 2018 19:36

Tgt Ion: 77 Resp: 61583
Ion Ratio Lower Upper
77 100
97 23.1 11.2 33.5





#27

cis-1,2-Dichloroethene

Concen: 20.05 ug/l

RT: 4.23 min Scan# 1132

Delta R.T. 0.00 min

Lab File: VU025680.D

Acq: 27 Jul 2018 19:36

Instrument :

MSVOA_U

ClientSampleId :

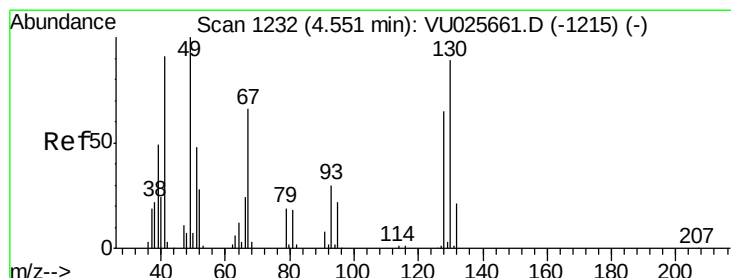
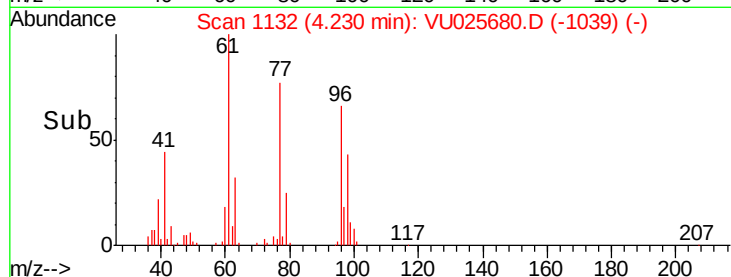
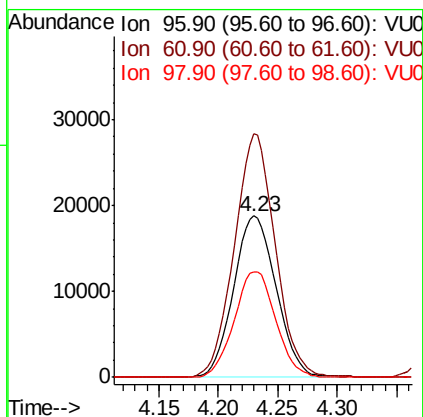
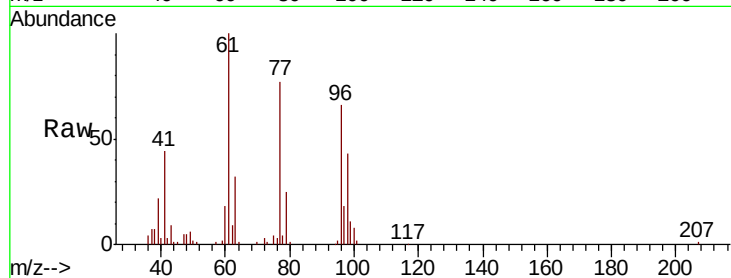
VU0727WBSD01

Tot Ion:	96	Resp:	46609
Ion	Ratio	Lower	Upper
96	100		
61	145.0	0.0	299.8
98	63.5	0.0	128.6

Manual Integrations
APPROVED

MMDadoda

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#28

Bromochloromethane

Concen: 21.59 ug/l

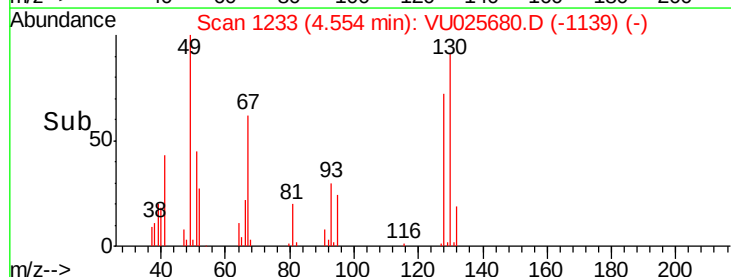
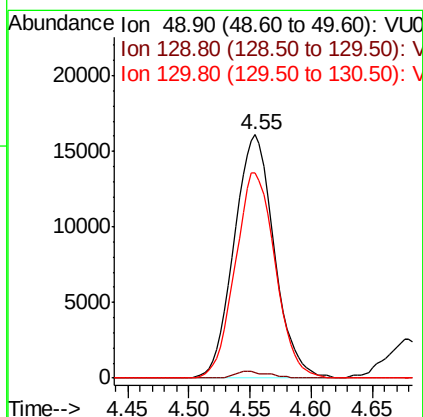
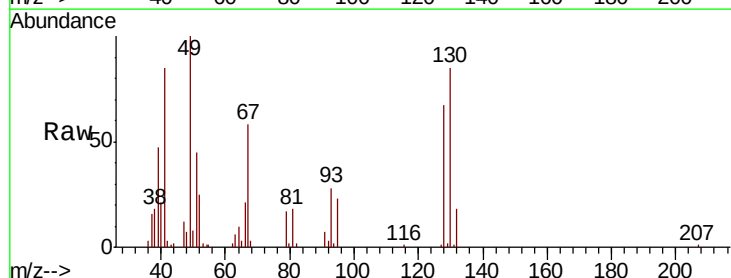
RT: 4.55 min Scan# 1233

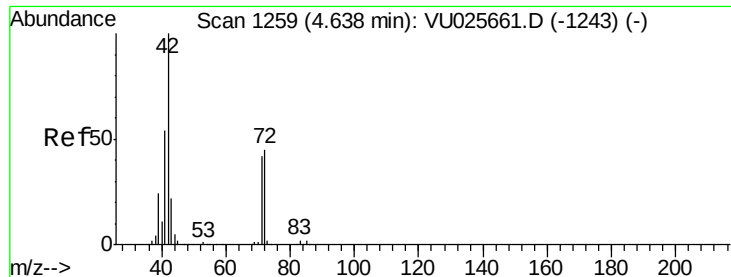
Delta R.T. 0.00 min

Lab File: VU025680.D

Acq: 27 Jul 2018 19:36

Tgt Ion:	49	Resp:	36605
Ion	Ratio	Lower	Upper
49	100		
129	2.2	0.0	4.6
130	84.4	68.6	102.8





#29
Tetrahydrofuran
Concen: 111.19 ug/l
RT: 4.64 min Scan# 1260
Delta R.T. 0.00 min
Lab File: VU025680.D
Acq: 27 Jul 2018 19:36

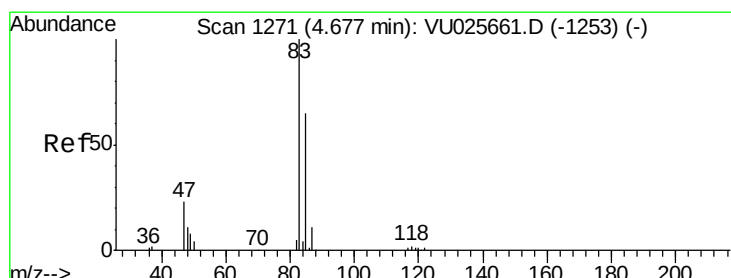
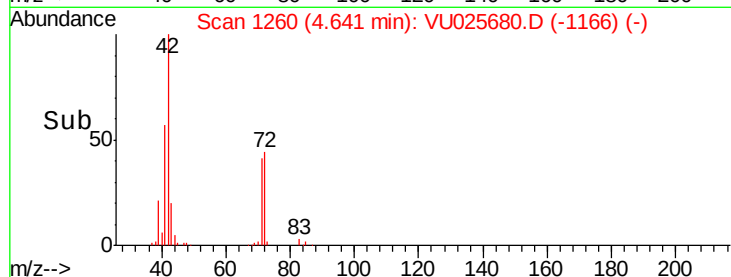
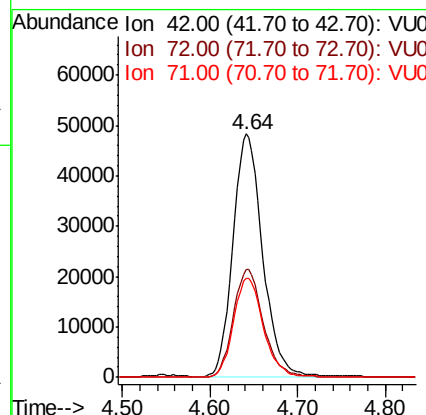
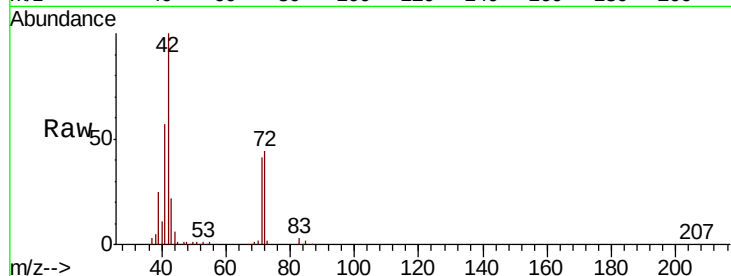
Instrument :
MSVOA_U
ClientSampleId :
VU0727WBSD01

Tot Ion	Ratio	Lower	Upper
42	100		
72	44.4	36.7	55.1
71	40.8	33.9	50.9

Manual Integrations
APPROVED

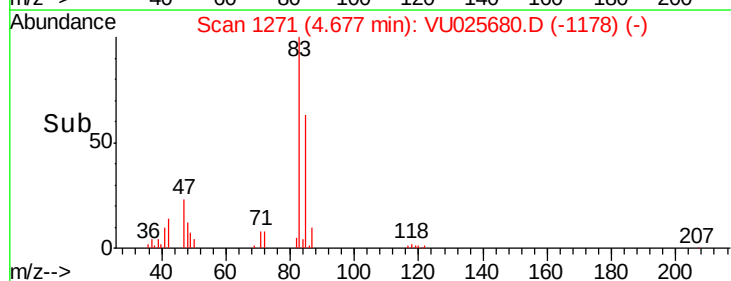
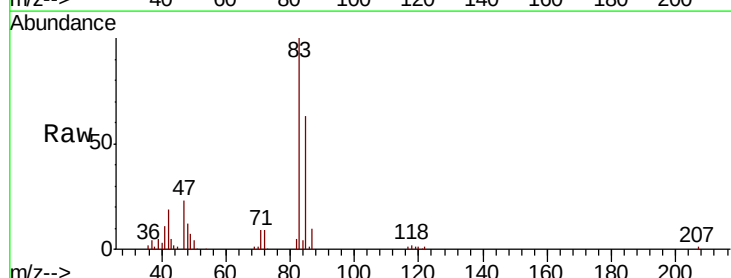
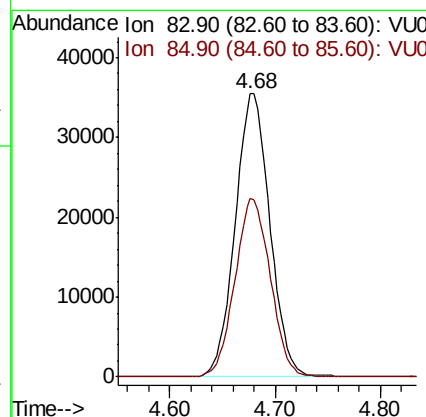
MM Dadoda

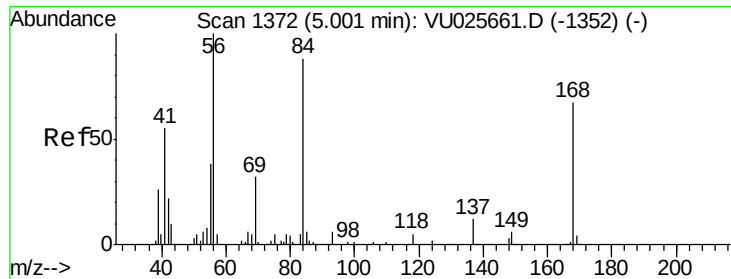
7/31/2018 3:49:31 PM



#30
Chloroform
Concen: 20.22 ug/l
RT: 4.68 min Scan# 1271
Delta R.T. 0.00 min
Lab File: VU025680.D
Acq: 27 Jul 2018 19:36

Tgt Ion	Ratio	Lower	Upper
83	100		
85	63.2	51.5	77.3





#31

Cyclohexane

Concen: 19.90 ug/l

RT: 5.00 min Scan# 1371

Delta R.T. -0.00 min

Lab File: VU025680.D

Acq: 27 Jul 2018 19:36

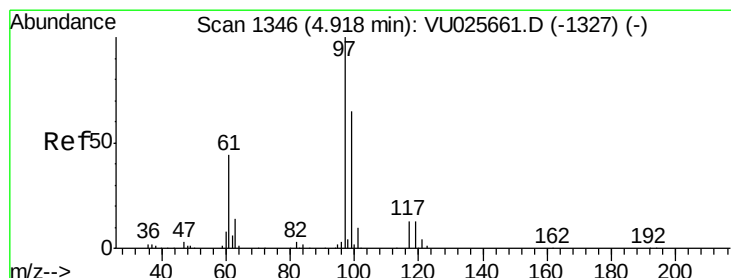
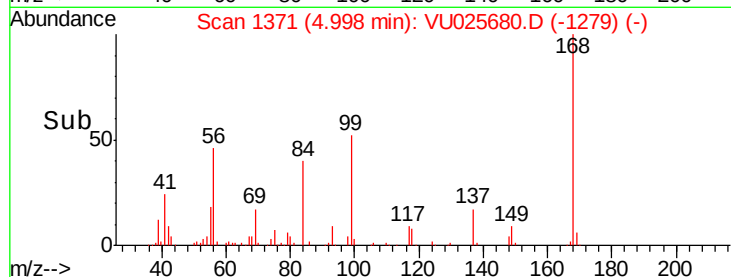
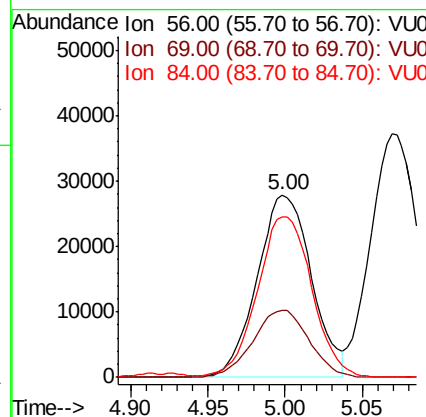
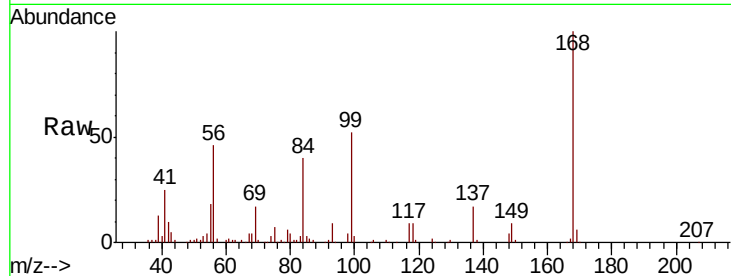
Tot Ion:	56	Resp:	68305
Ion Ratio	Lower	Upper	
56	100		
69	37.0	26.8	40.2
84	87.4	69.7	104.5

Instrument :
MSVOA_U
ClientSampleId :
VU0727WBSD01

Manual Integrations
APPROVED

MMDadoda

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#32

1,1,1-Trichloroethane

Concen: 20.96 ug/l

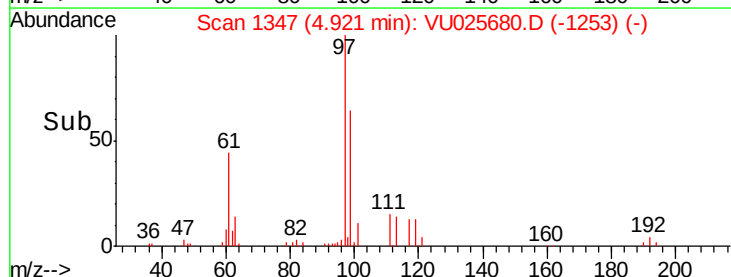
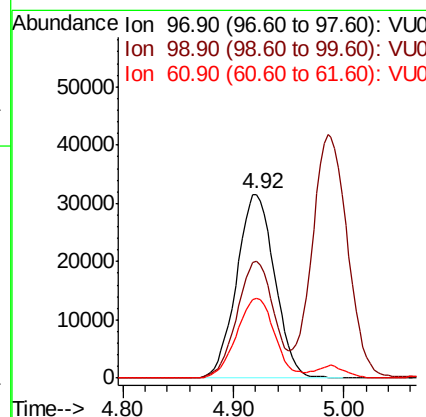
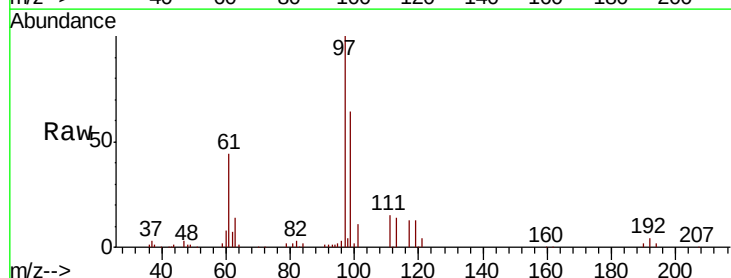
RT: 4.92 min Scan# 1347

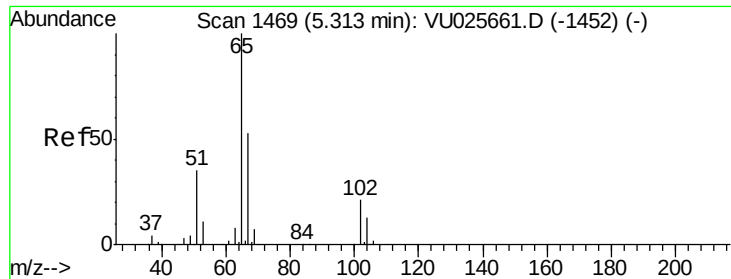
Delta R.T. 0.00 min

Lab File: VU025680.D

Acq: 27 Jul 2018 19:36

Tgt Ion:	97	Resp:	75514
Ion Ratio	Lower	Upper	
97	100		
99	61.5	50.8	76.2
61	43.5	35.2	52.8





#33
 1,2-Dichloroethane-d4
 Concen: 51.92 ug/l
 RT: 5.31 min Scan# 1469
 Delta R.T. 0.00 min
 Lab File: VU025680.D
 Acq: 27 Jul 2018 19:36

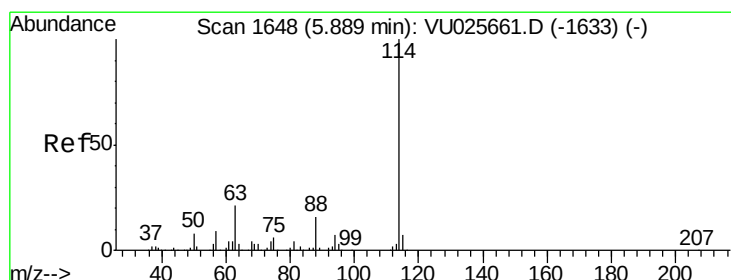
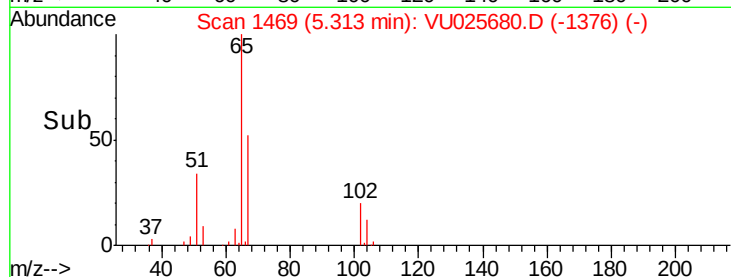
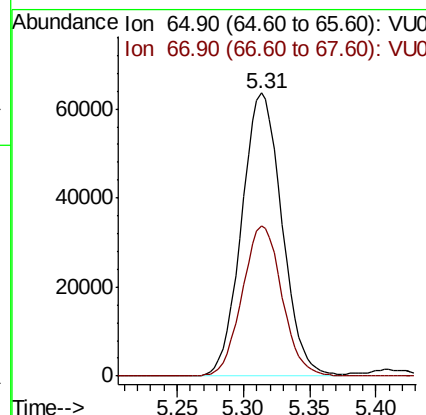
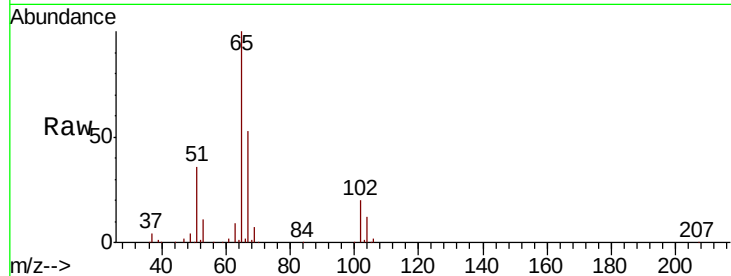
Instrument :
 MSVOA_U
 ClientSampled :
 VU0727WBSD01

Tot Ion	Ratio	Resp	Lower	Upper
65	100			
67	52.5	0.0	103.6	

Manual Integrations
 APPROVED

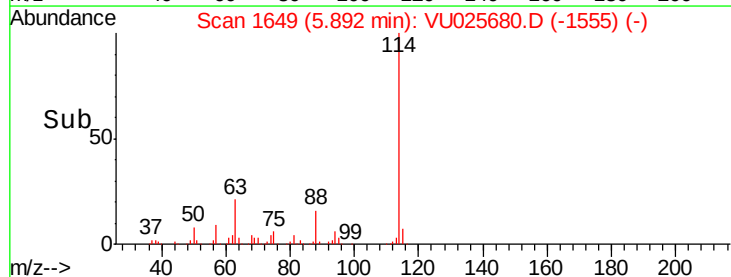
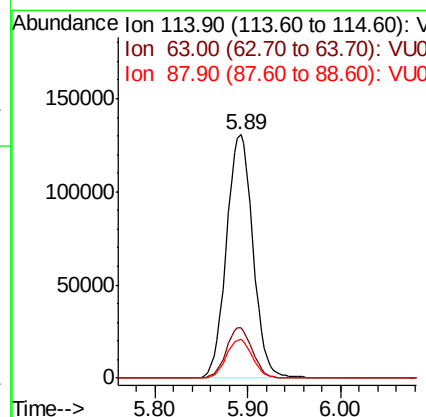
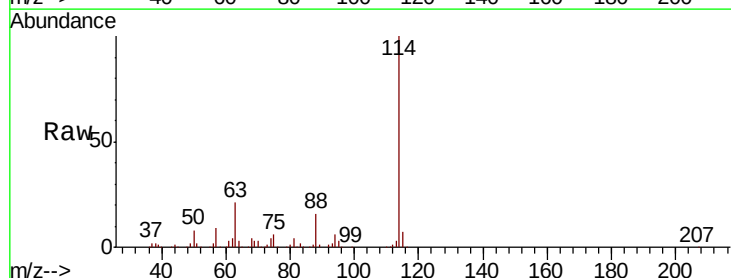
MMDadoda

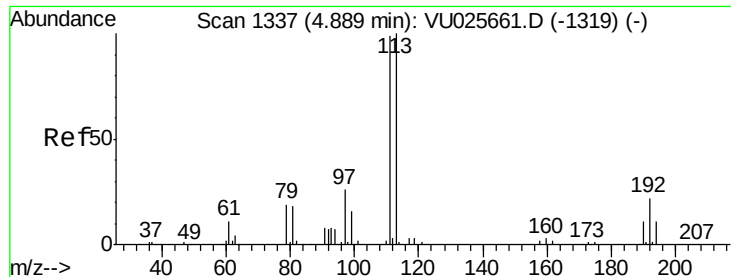
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#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 5.89 min Scan# 1649
 Delta R.T. 0.00 min
 Lab File: VU025680.D
 Acq: 27 Jul 2018 19:36

Tgt Ion	Ratio	Resp	Lower	Upper
114	100			
63	20.6	0.0	41.6	
88	15.8	0.0	32.4	





#35
 Dibromofluoromethane
 Concen: 48.35 ug/l
 RT: 4.89 min Scan# 1337
 Delta R.T. 0.00 min
 Lab File: VU025680.D
 Acq: 27 Jul 2018 19:36

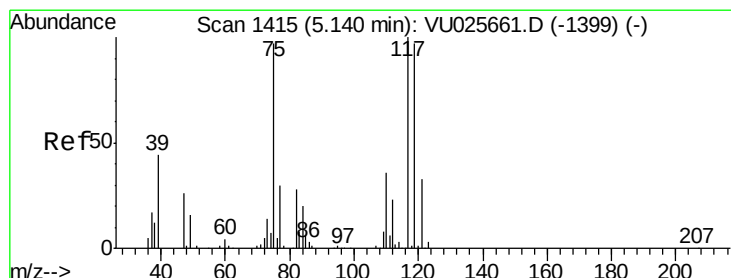
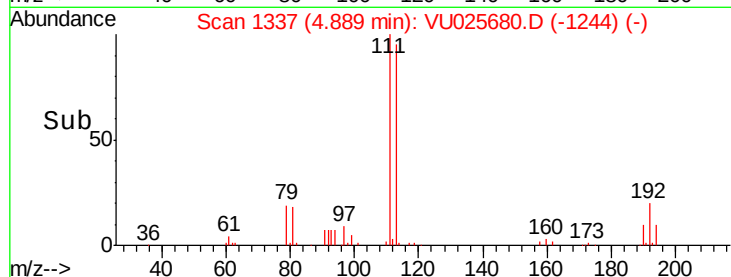
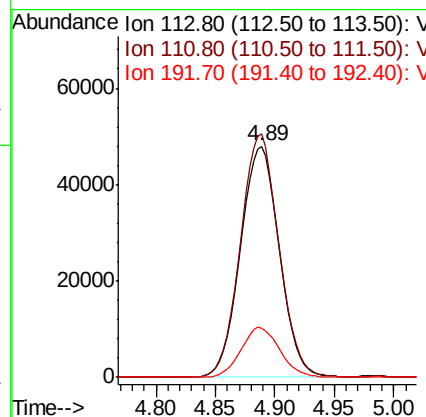
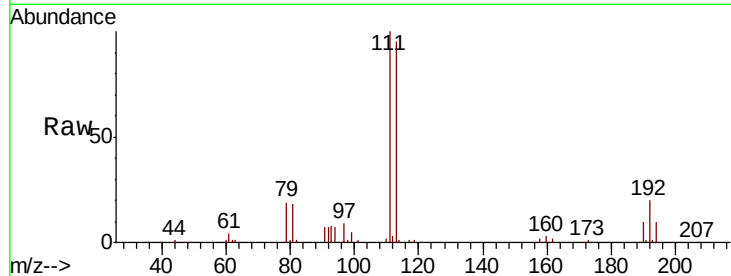
Instrument :
 MSVOA_U
 ClientSampleId :
 VU0727WBSD01

Tot Ion	Ratio	Lower	Upper
113	100		
111	103.9	81.7	122.5
192	21.6	17.1	25.7

Manual Integrations
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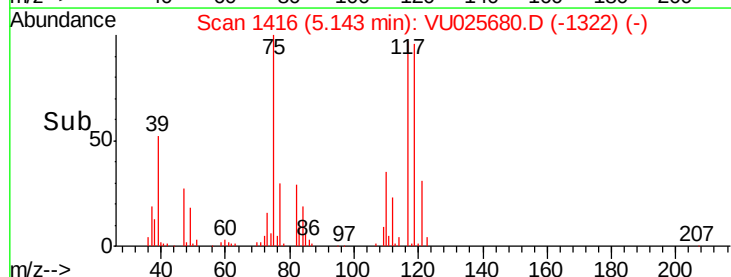
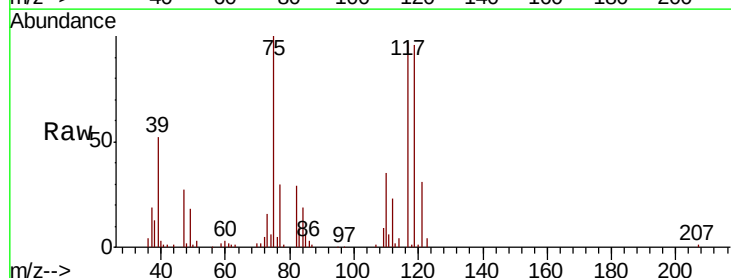
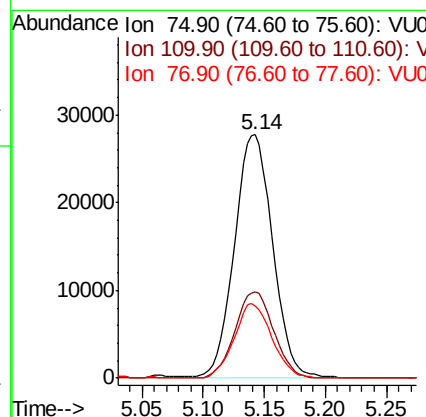
MM Dadoda

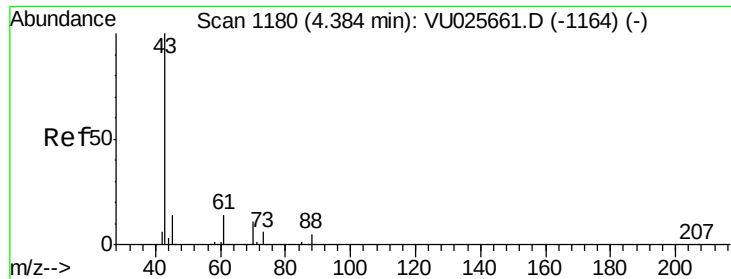
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#36
 1,1-Dichloropropene
 Concen: 19.98 ug/l
 RT: 5.14 min Scan# 1416
 Delta R.T. 0.00 min
 Lab File: VU025680.D
 Acq: 27 Jul 2018 19:36

Tgt Ion	Ratio	Lower	Upper
75	100		
110	35.8	17.6	52.9
77	30.1	24.4	36.6





#37
Ethyl Acetate
Concen: 20.90 ug/l
RT: 4.39 min Scan# 1181
Delta R.T. 0.00 min
Lab File: VU025680.D
Acq: 27 Jul 2018 19:36

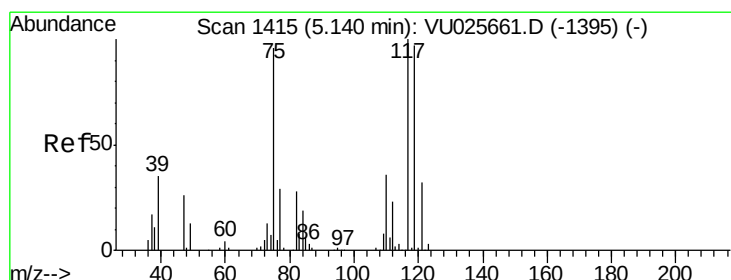
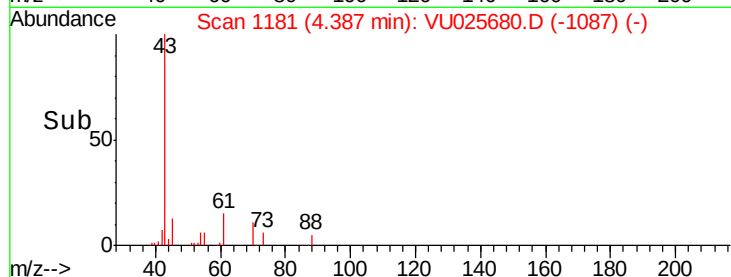
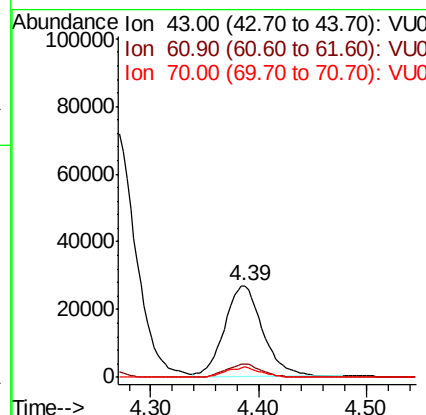
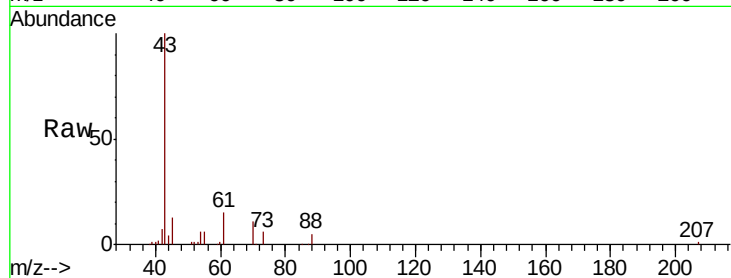
Instrument :
MSVOA_U
ClientSampleId :
VU0727WBSD01

Tot Ion:	43	Resp:	65579
Ion	Ratio	Lower	Upper
43	100		
61	13.8	10.7	16.1
70	10.3	8.4	12.6

Manual Integrations
APPROVED

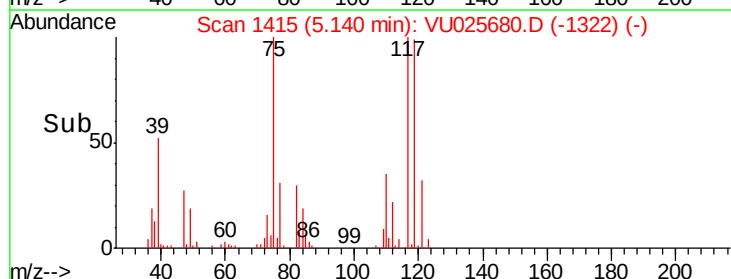
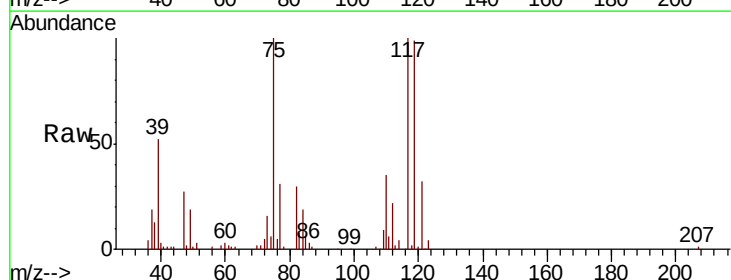
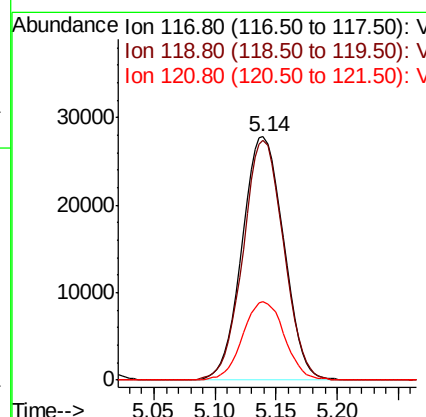
MMDadoda

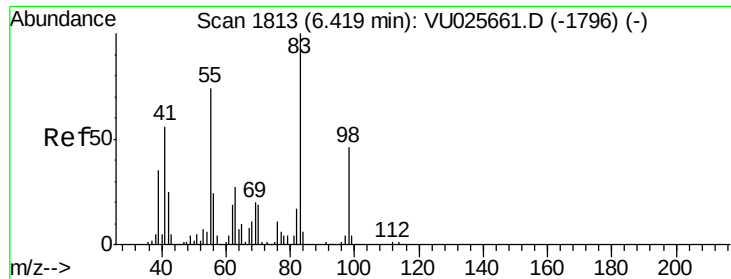
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#38
Carbon Tetrachloride
Concen: 19.16 ug/l
RT: 5.14 min Scan# 1415
Delta R.T. 0.00 min
Lab File: VU025680.D
Acq: 27 Jul 2018 19:36

Tgt Ion:	117	Resp:	65666
Ion	Ratio	Lower	Upper
117	100		
119	98.6	75.7	113.5
121	32.0	24.6	36.8





#39
Methvlcvclohexane
Concen: 19.09 ug/l
RT: 6.42 min Scan# 1813
Delta R.T. 0.00 min
Lab File: VU025680.D
Acq: 27 Jul 2018 19:36

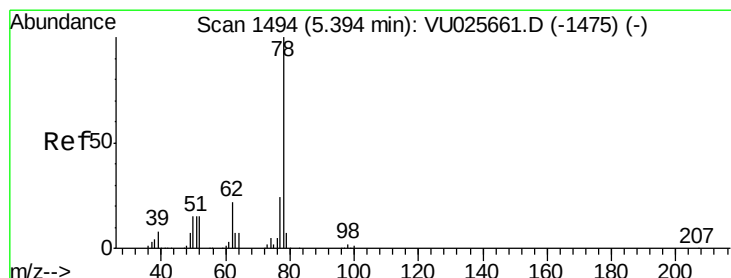
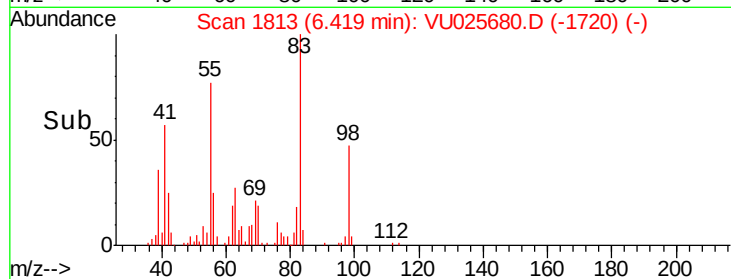
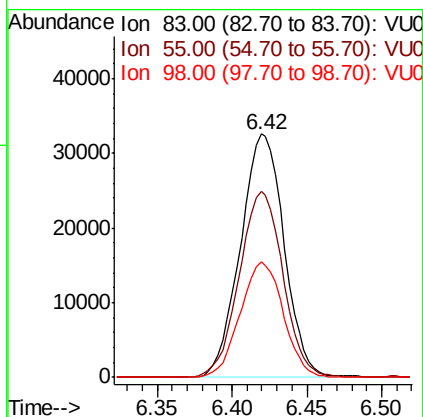
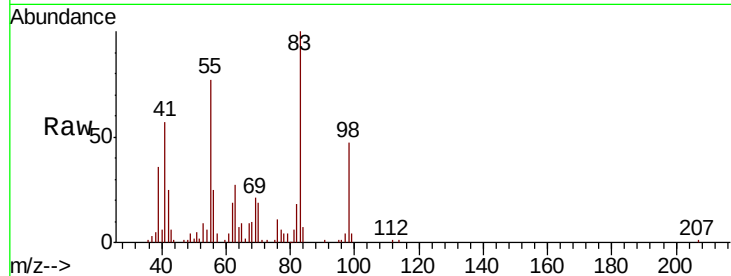
Instrument :
MSVOA_U
ClientSampleId :
VU0727WBSD01

Tot Ion:	83	Resp:	66181
Ion	Ratio	Lower	Upper
83	100		
55	76.6	60.0	90.0
98	47.3	36.1	54.1

Manual Integrations
APPROVED

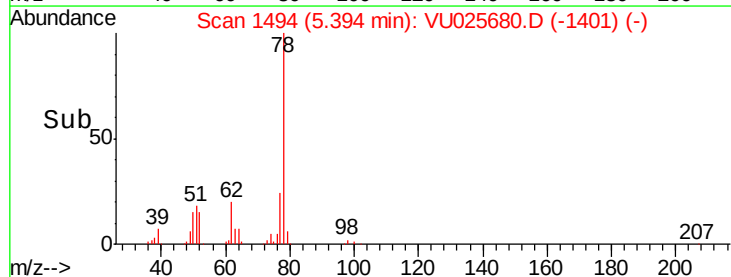
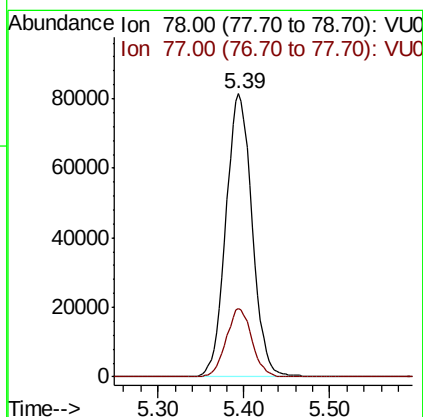
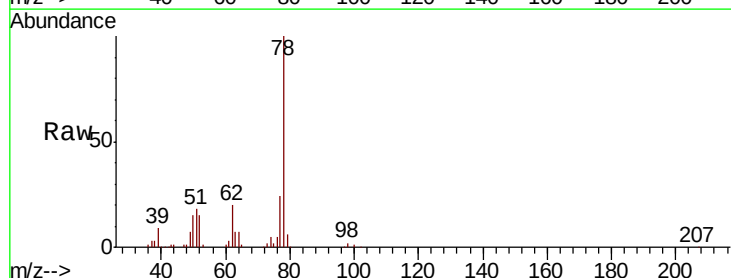
MMDadoda

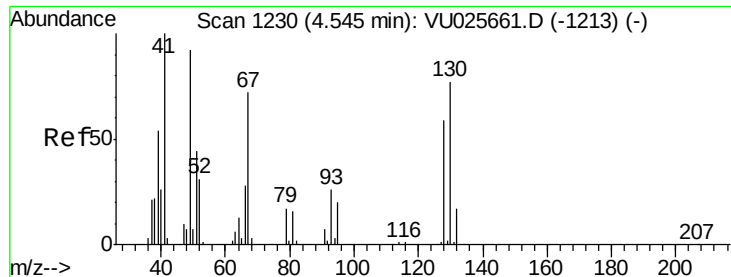
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#40
Benzene
Concen: 19.45 ug/l
RT: 5.39 min Scan# 1494
Delta R.T. 0.00 min
Lab File: VU025680.D
Acq: 27 Jul 2018 19:36

Tgt Ion:	78	Resp:	172005
Ion	Ratio	Lower	Upper
78	100		
77	24.3	19.8	29.6





#41
Methacrylonitrile
Concen: 21.18 ug/l
RT: 4.55 min Scan# 1231
Delta R.T. 0.00 min
Lab File: VU025680.D
Acq: 27 Jul 2018 19:36

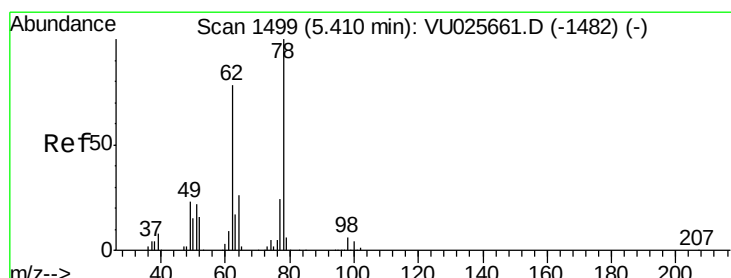
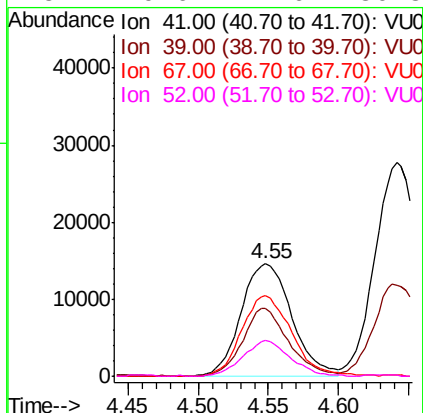
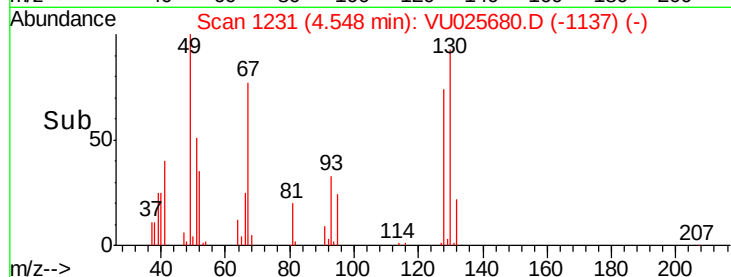
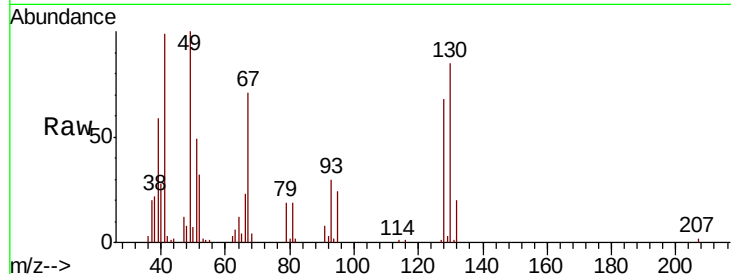
Instrument :
MSVOA_U
ClientSampleId :
VU0727WBSD01

Tot Ion	Ion	Ratio	Resp	Lower	Upper
41	100		36916		
39	54.3	44.4	66.6		
67	69.8	56.0	84.0		
52	29.6	24.6	36.8		

Manual Integrations
APPROVED

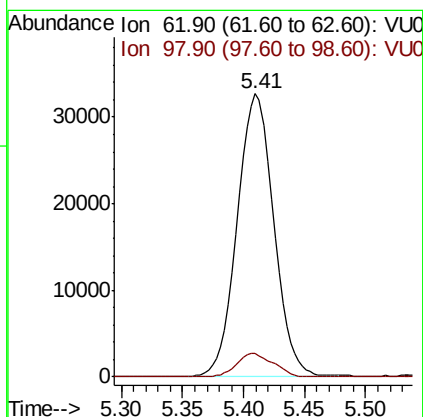
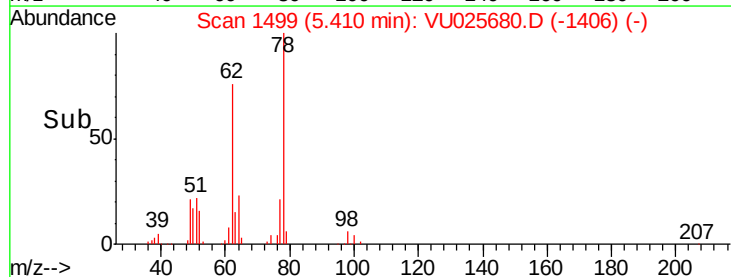
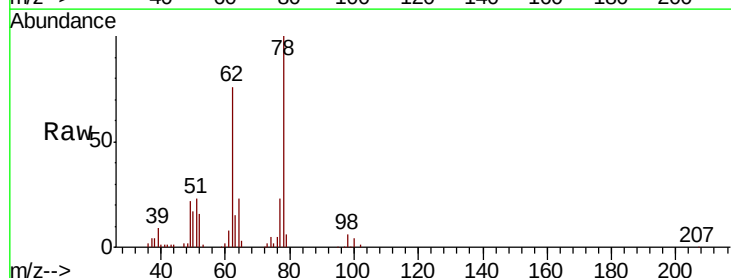
MMDadoda

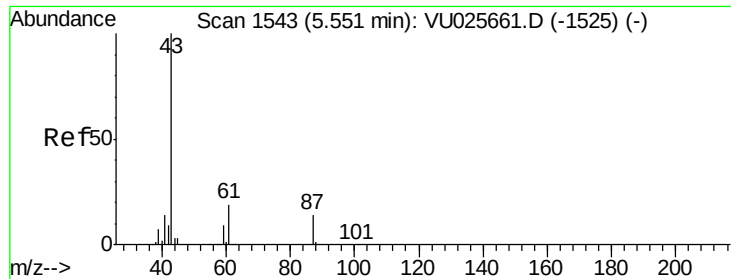
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#42
1,2-Dichloroethane
Concen: 19.94 ug/l
RT: 5.41 min Scan# 1499
Delta R.T. 0.00 min
Lab File: VU025680.D
Acq: 27 Jul 2018 19:36

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
62	100		67897		
98	8.3	0.0	16.4		





#43

Isopropyl Acetate

Concen: 19.95 ug/l

RT: 5.55 min Scan# 1543

Delta R.T. 0.00 min

Lab File: VU025680.D

Acq: 27 Jul 2018 19:36

Instrument :

MSVOA_U

ClientSampleId :

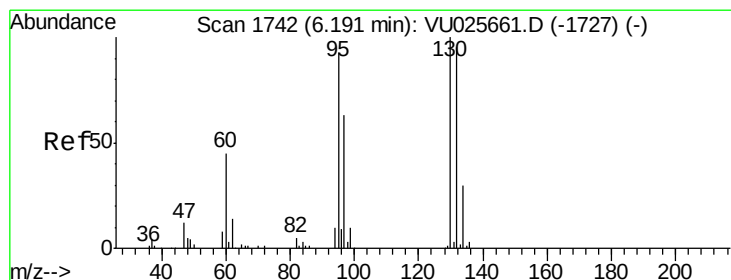
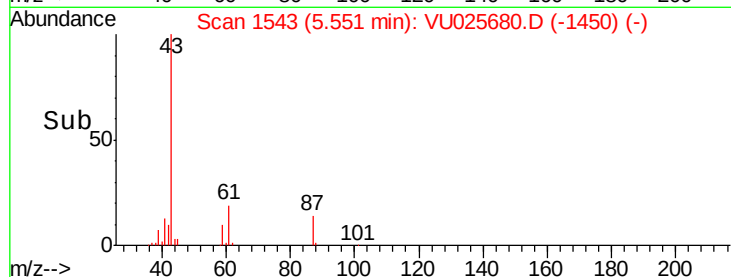
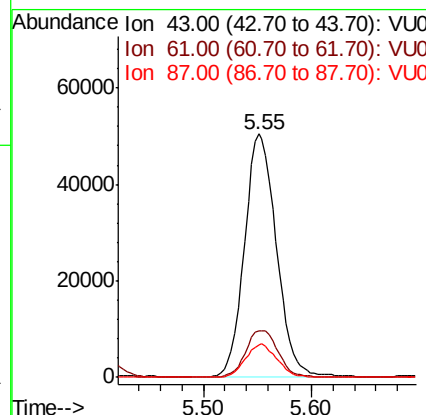
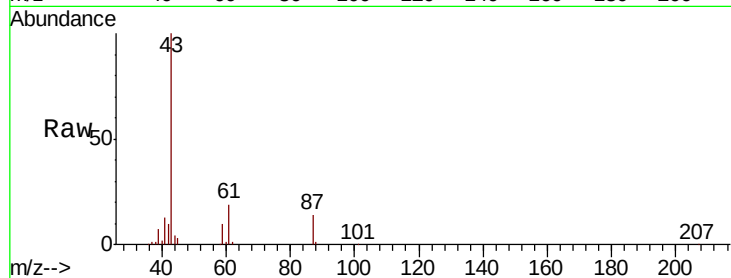
VU0727WBSD01

Tot Ion:	43	Resp:	103432
Ion	Ratio	Lower	Upper
43	100		
61	19.8	15.5	23.3
87	13.6	10.6	16.0

Manual Integrations
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MM Dadoda

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#44

Trichloroethene

Concen: 19.84 ug/l

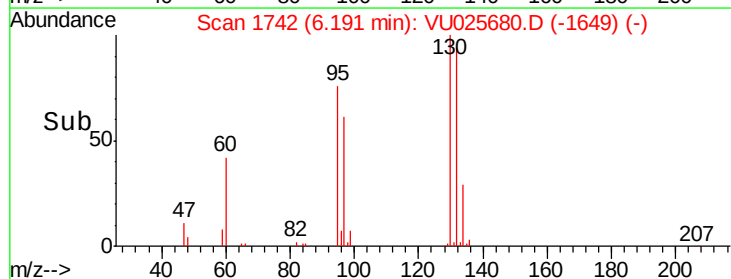
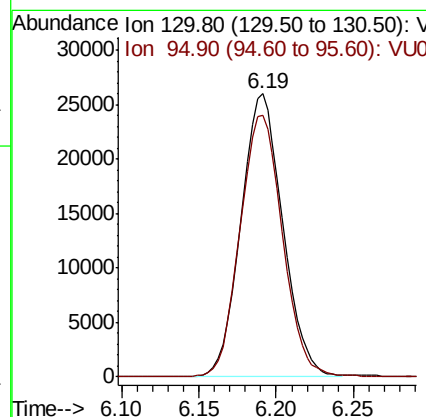
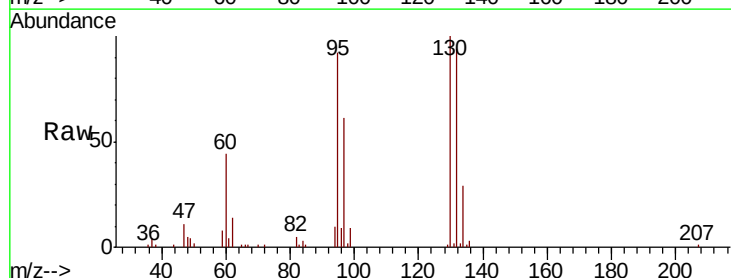
RT: 6.19 min Scan# 1742

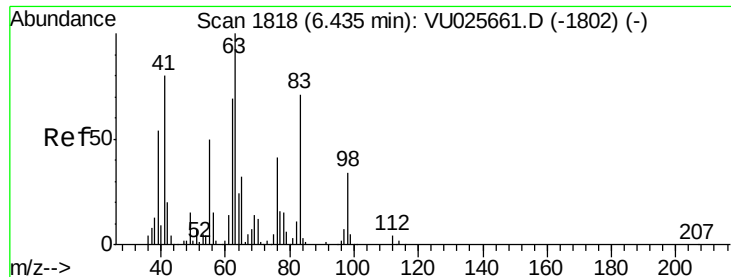
Delta R.T. 0.00 min

Lab File: VU025680.D

Acq: 27 Jul 2018 19:36

Tgt Ion:	130	Resp:	48862
Ion	Ratio	Lower	Upper
130	100		
95	92.5	0.0	192.2





#45
 1,2-Dichloropropane
 Concen: 19.89 ug/l
 RT: 6.44 min Scan# 1818
 Delta R.T. 0.00 min
 Lab File: VU025680.D
 Acq: 27 Jul 2018 19:36

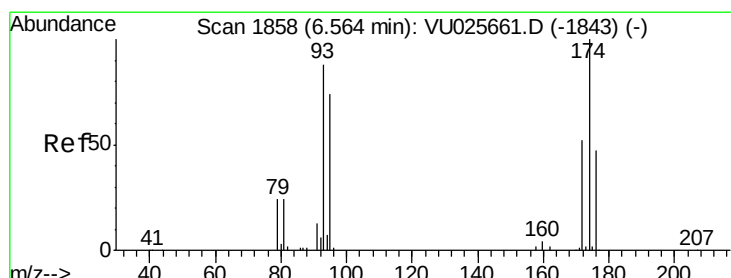
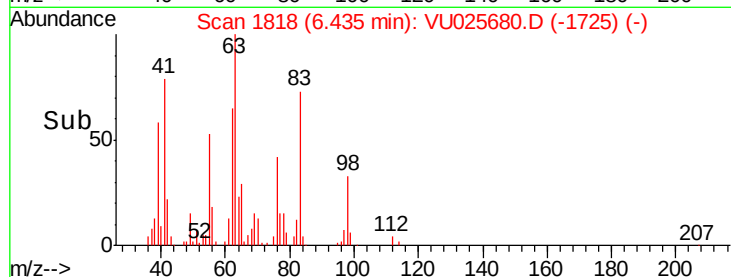
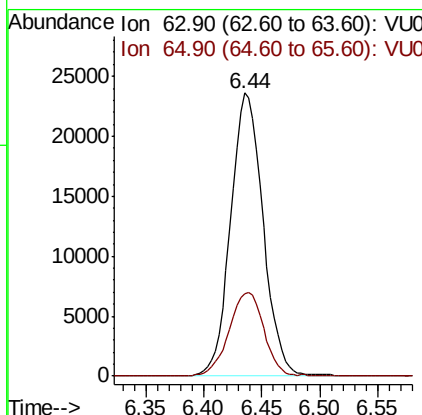
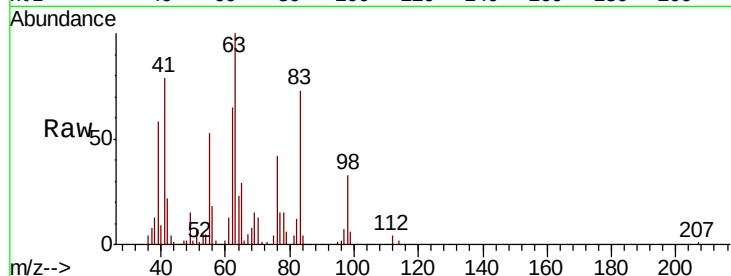
Instrument :
 MSVOA_U
 ClientSampleId :
 VU0727WBSD01

Tot Ion: 63 Resp: 45878
 Ion Ratio Lower Upper
 63 100
 65 29.2 26.1 39.1

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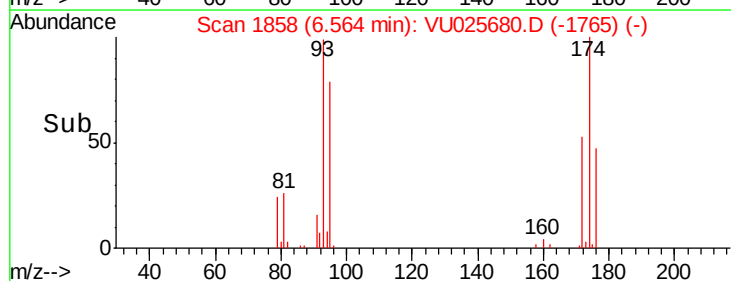
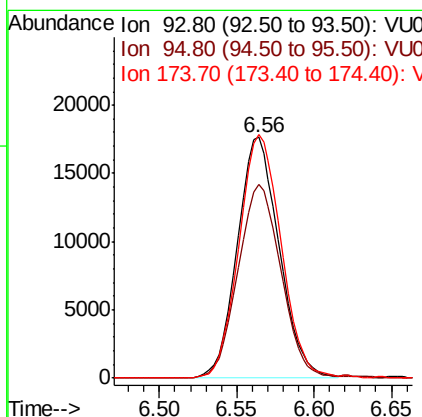
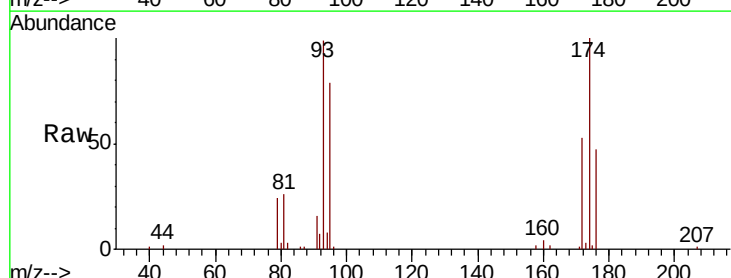
MM Dadoda

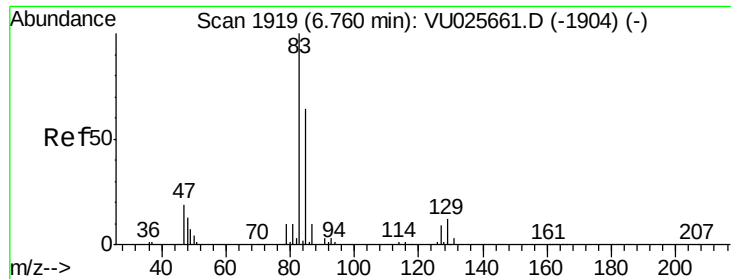
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#46
 Dibromomethane
 Concen: 19.87 ug/l
 RT: 6.56 min Scan# 1858
 Delta R.T. 0.00 min
 Lab File: VU025680.D
 Acq: 27 Jul 2018 19:36

Tgt Ion: 93 Resp: 33220
 Ion Ratio Lower Upper
 93 100
 95 82.6 66.6 100.0
 174 101.8 85.8 128.8





#47

Bromodichloromethane

Concen: 19.41 ug/l

RT: 6.76 min Scan# 1919

Delta R.T. 0.00 min

Lab File: VU025680.D

Acq: 27 Jul 2018 19:36

Instrument :

MSVOA_U

ClientSampleId :

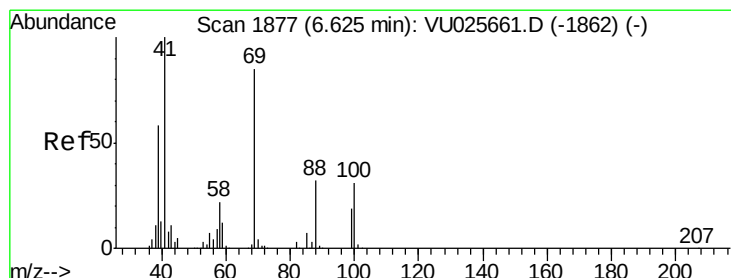
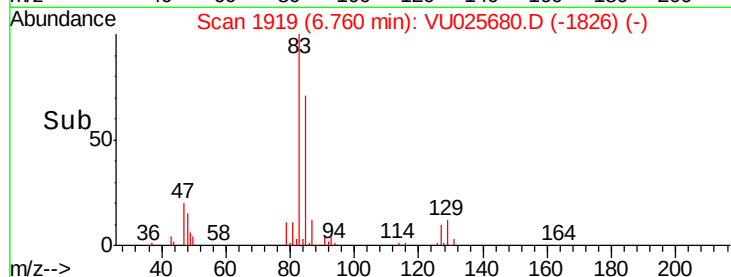
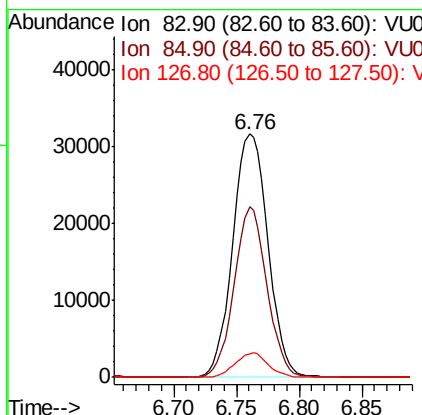
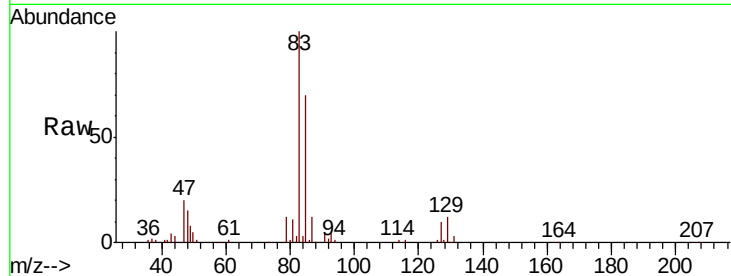
VU0727WBSD01

Tot Ion:	83	Resp:	61897
Ion	Ratio	Lower	Upper
83	100		
85	70.4	50.2	75.4
127	9.8	7.2	10.8

Manual Integrations
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#48

Methyl methacrylate

Concen: 20.84 ug/l

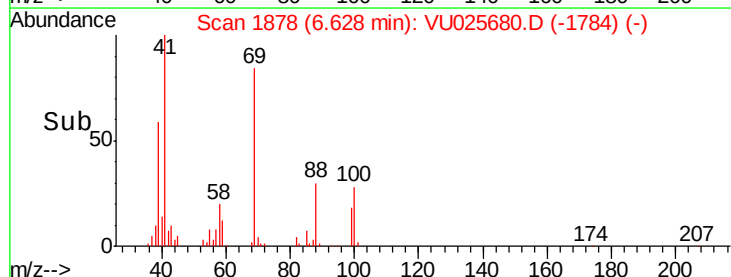
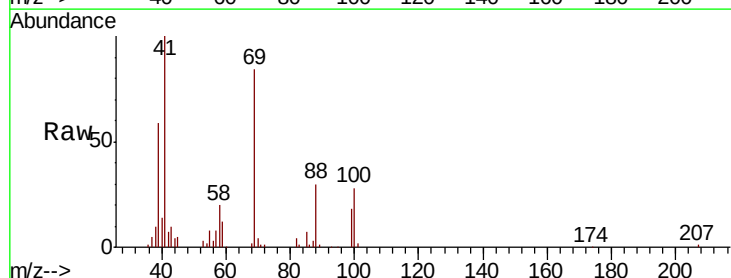
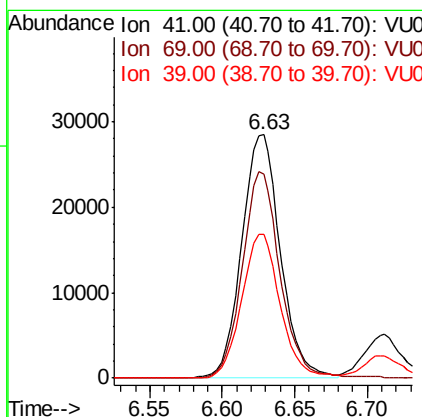
RT: 6.63 min Scan# 1878

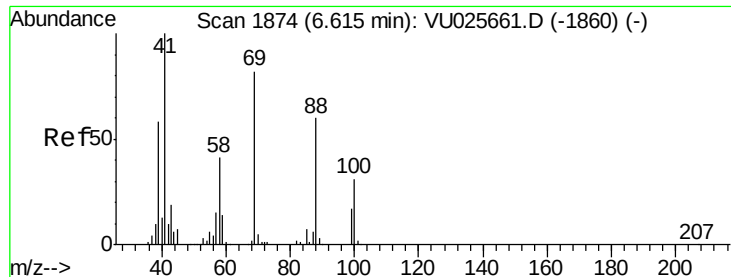
Delta R.T. 0.00 min

Lab File: VU025680.D

Acq: 27 Jul 2018 19:36

Tgt Ion:	41	Resp:	52950
Ion	Ratio	Lower	Upper
41	100		
69	82.5	65.0	97.4
39	58.8	46.4	69.6





#49
1,4-Dioxane
Concen: 409.83 ug/l
RT: 6.62 min Scan# 1874
Delta R.T. 0.00 min
Lab File: VU025680.D
Acq: 27 Jul 2018 19:36

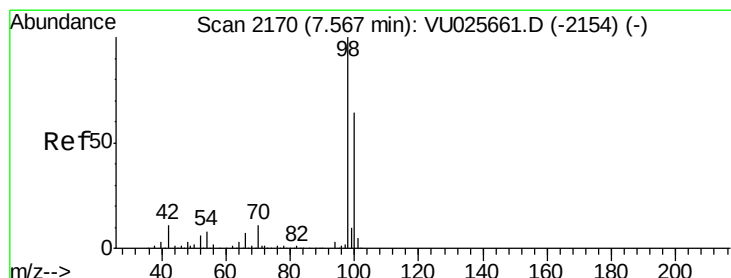
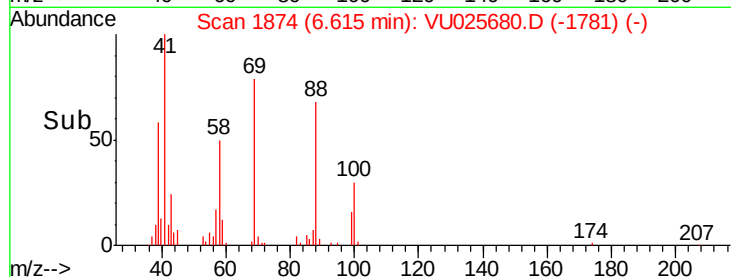
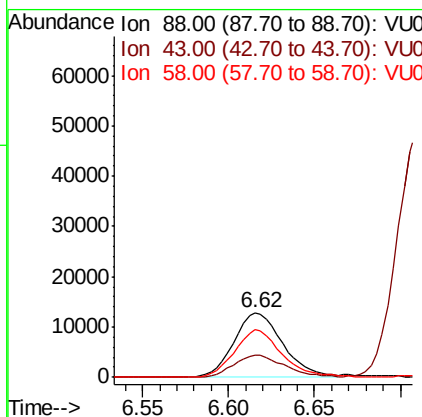
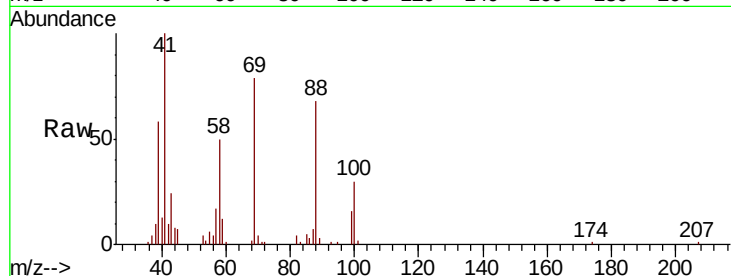
Instrument :
MSVOA_U
ClientSampleId :
VU0727WBSD01

Tot Ion	Ratio	Lower	Upper
88	100		
43	36.1	27.3	40.9
58	72.1	57.6	86.4

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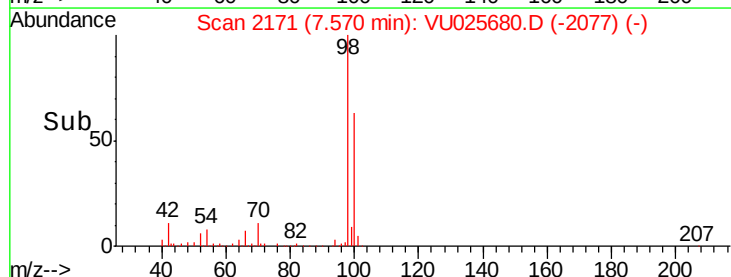
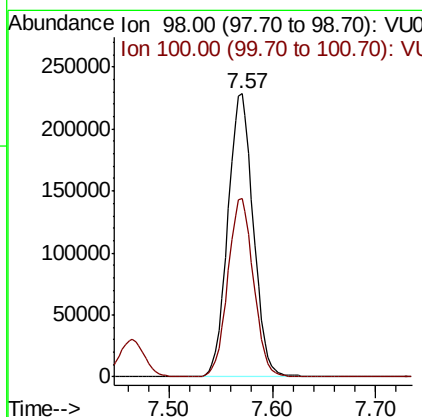
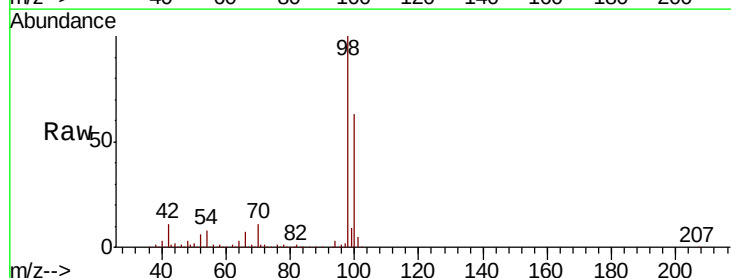
MM Dadoda

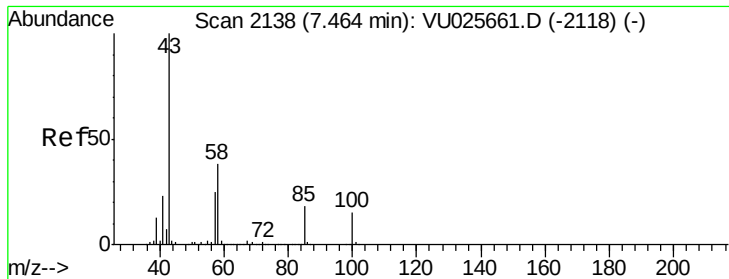
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#50
Toluene-d8
Concen: 50.01 ug/l
RT: 7.57 min Scan# 2171
Delta R.T. 0.00 min
Lab File: VU025680.D
Acq: 27 Jul 2018 19:36

Tgt Ion	Ratio	Lower	Upper
98	100		
100	63.1	51.1	76.7





#51

4-Methyl-2-Pentanone

Concen: 104.27 ug/l

RT: 7.46 min Scan# 2138

Delta R.T. 0.00 min

Lab File: VU025680.D

Acq: 27 Jul 2018 19:36

Instrument :

MSVOA_U

ClientSampleId :

VU0727WBSD01

Tot Ion: 43 Resp: 338460

Ion Ratio Lower Upper

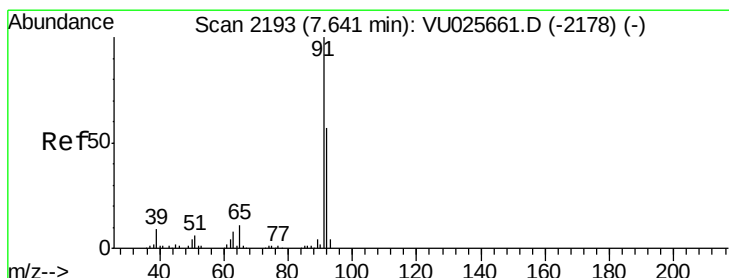
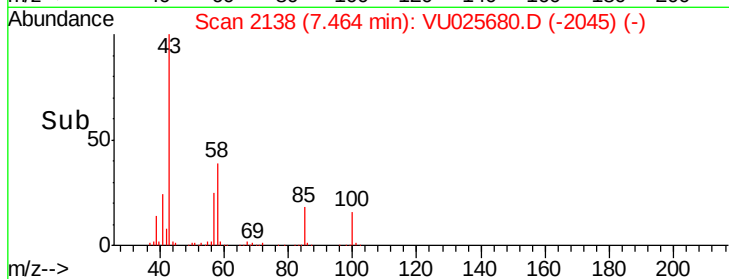
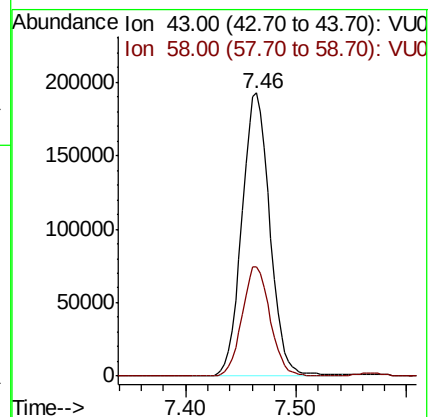
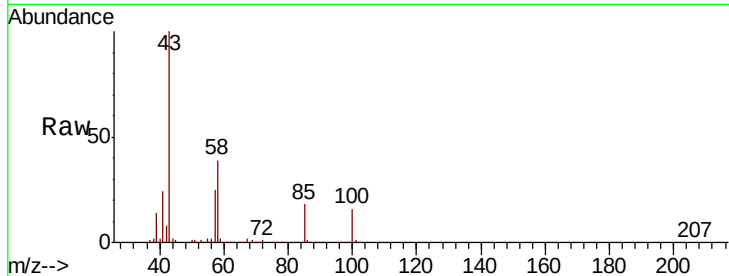
43 100

58 38.7 31.0 46.4

Manual Integrations
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#52

Toluene

Concen: 19.93 ug/l

RT: 7.64 min Scan# 2193

Delta R.T. 0.00 min

Lab File: VU025680.D

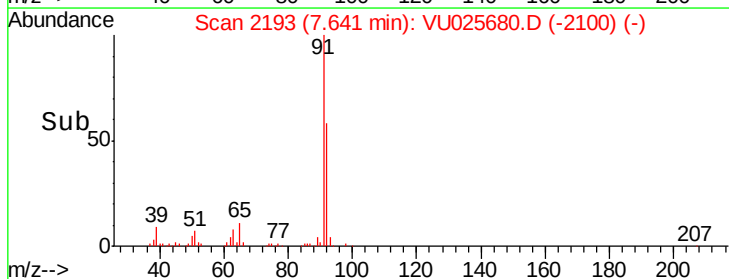
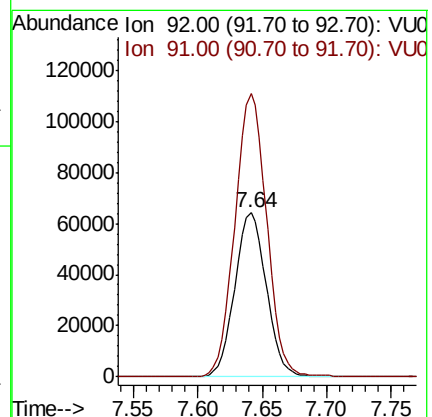
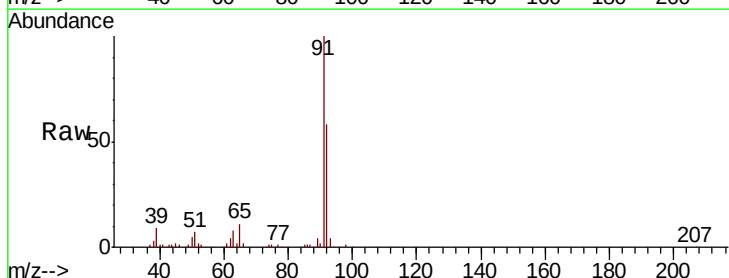
Acq: 27 Jul 2018 19:36

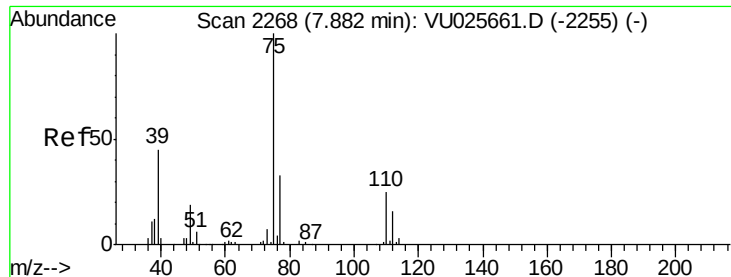
Tgt Ion: 92 Resp: 109510

Ion Ratio Lower Upper

92 100

91 173.9 139.2 208.8





#53

t-1,3-Dichloropropene

Concen: 18.93 ug/l

RT: 7.88 min Scan# 2268

Delta R.T. 0.00 min

Lab File: VU025680.D

Acq: 27 Jul 2018 19:36

Instrument :

MSVOA_U

ClientSampleId :

VU0727WBSD01

Tot Ion: 75 Resp: 67771

Ion Ratio Lower Upper

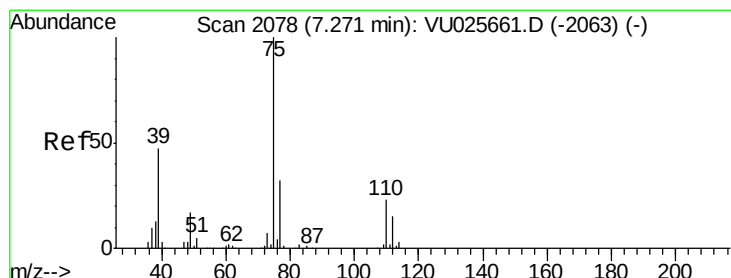
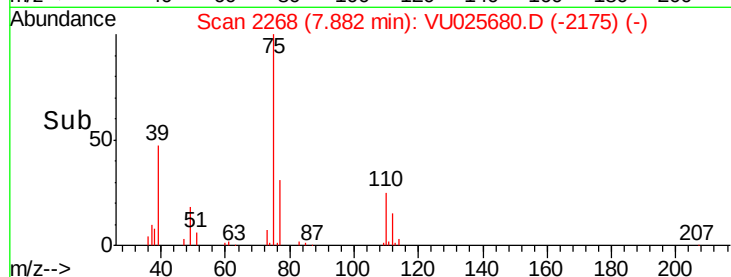
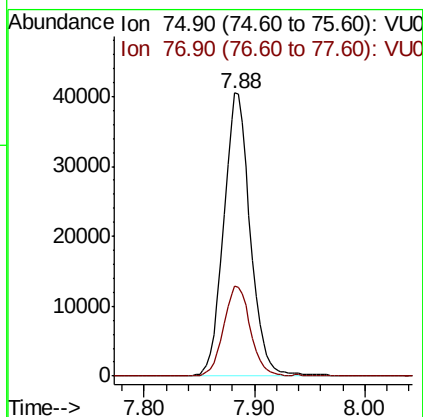
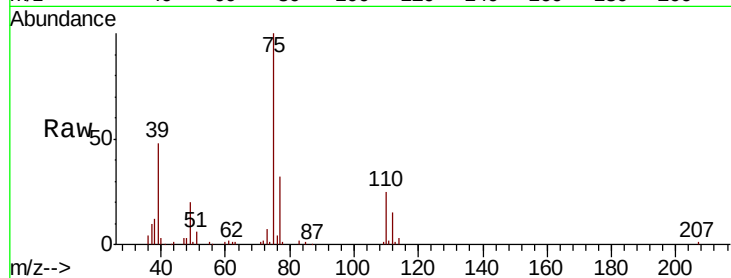
75 100

77 31.6 24.5 36.7

Manual Integrations
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#54

cis-1,3-Dichloropropene

Concen: 19.44 ug/l

RT: 7.27 min Scan# 2079

Delta R.T. 0.00 min

Lab File: VU025680.D

Acq: 27 Jul 2018 19:36

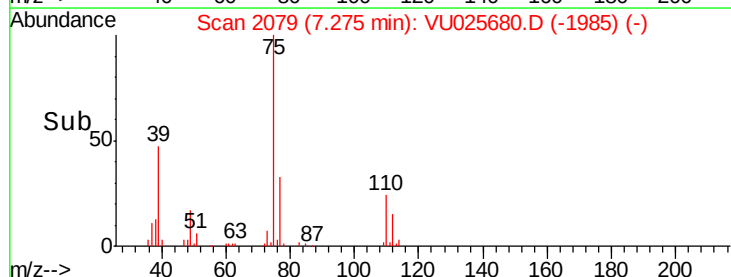
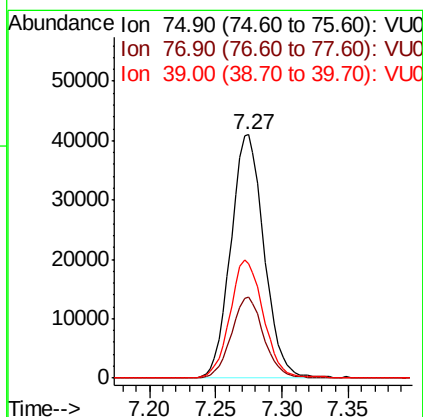
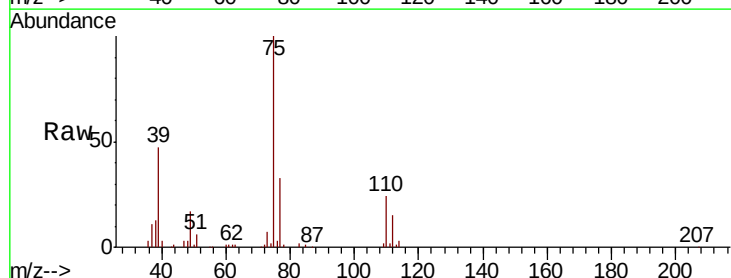
Tgt Ion: 75 Resp: 71496

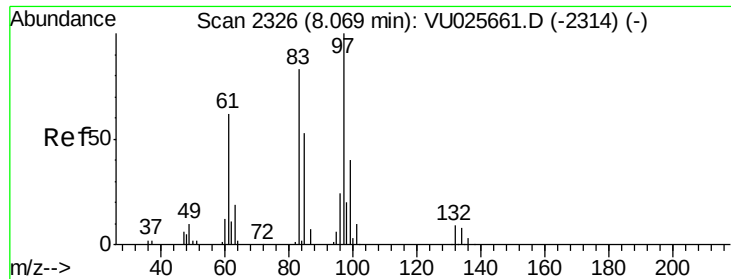
Ion Ratio Lower Upper

75 100

77 33.2 25.6 38.4

39 47.0 40.0 60.0





#55
 1,1,2-Trichloroethane
 Concen: 19.20 ug/l
 RT: 8.07 min Scan# 2327
 Delta R.T. 0.00 min
 Lab File: VU025680.D
 Acq: 27 Jul 2018 19:36

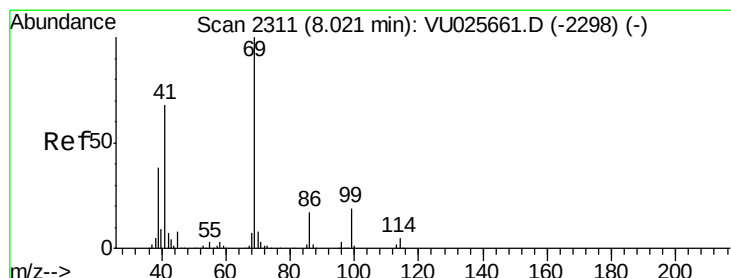
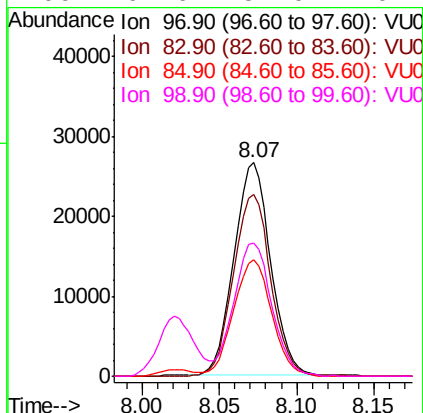
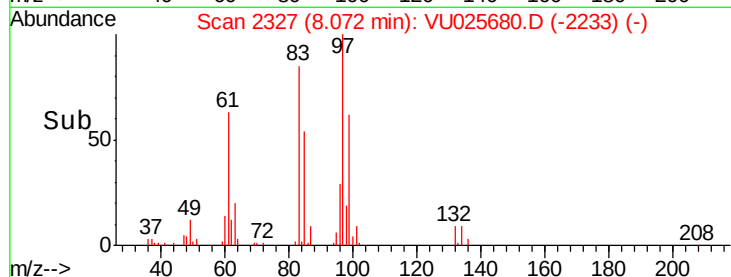
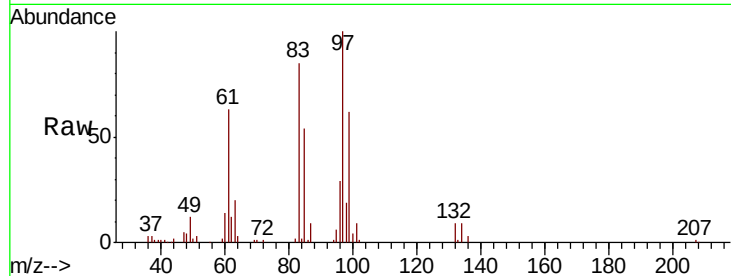
Instrument :
 MSVOA_U
 ClientSampleId :
 VU0727WBSD01

Tot Ion:	97	Resp:	43847
Ion	Ratio	Lower	Upper
97	100		
83	85.5	68.9	103.3
85	54.6	44.4	66.6
99	62.6	51.0	76.4

Manual Integrations
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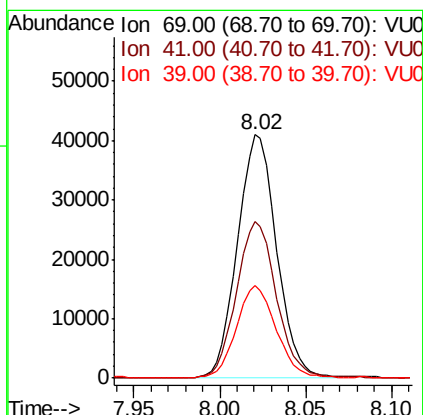
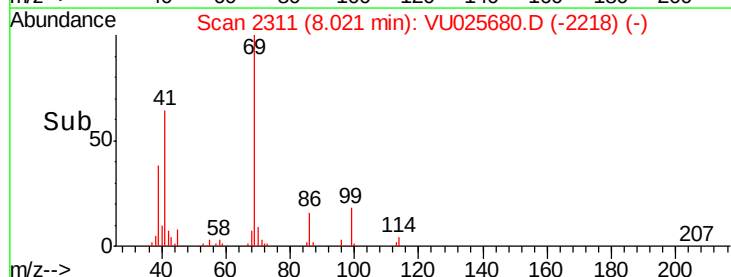
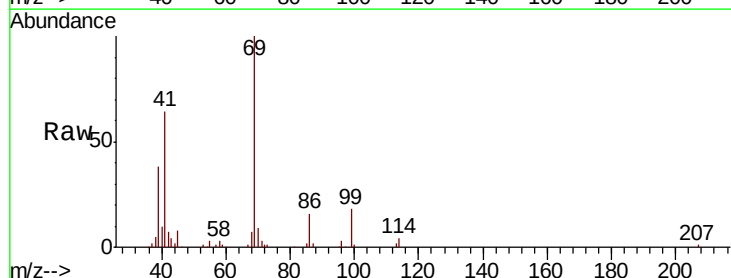
MMDadoda

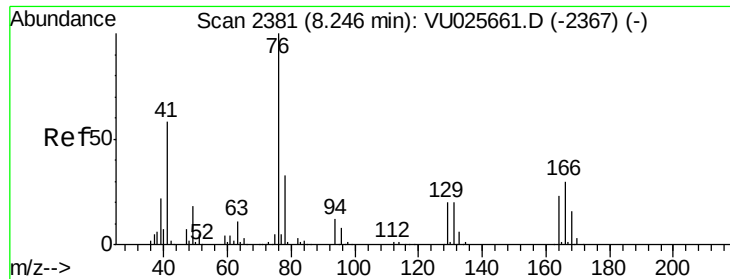
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#56
 Ethyl methacrylate
 Concen: 19.88 ug/l
 RT: 8.02 min Scan# 2311
 Delta R.T. 0.00 min
 Lab File: VU025680.D
 Acq: 27 Jul 2018 19:36

Tgt Ion:	69	Resp:	64877
Ion	Ratio	Lower	Upper
69	100		
41	65.8	54.8	82.2
39	38.8	31.1	46.7





#57
 1,3-Dichloropropane
 Concen: 19.51 ug/l
 RT: 8.25 min Scan# 2381
 Delta R.T. 0.00 min
 Lab File: VU025680.D
 Acq: 27 Jul 2018 19:36

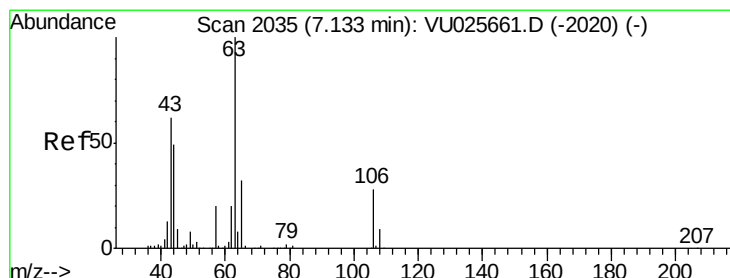
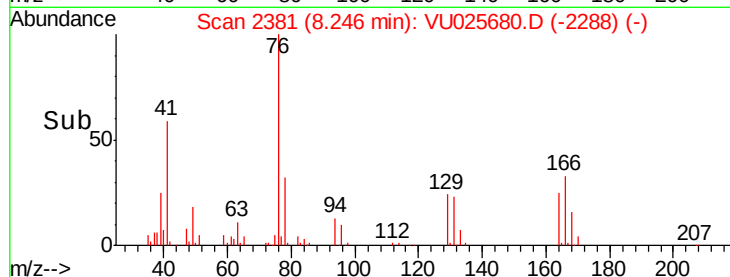
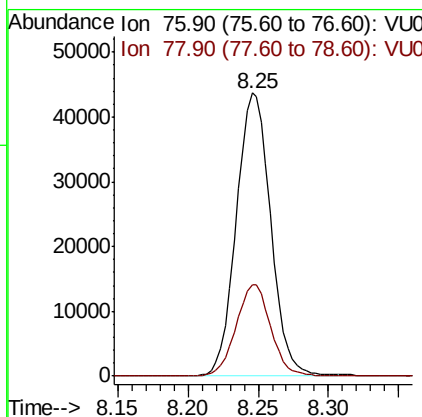
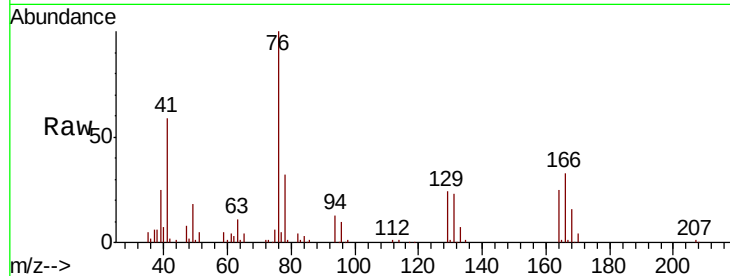
Instrument :
 MSVOA_U
 ClientSampleId :
 VU0727WBSD01

Tot Ion: 76 Resp: 74912
 Ion Ratio Lower Upper
 76 100
 78 32.4 26.1 39.1

Manual Integrations
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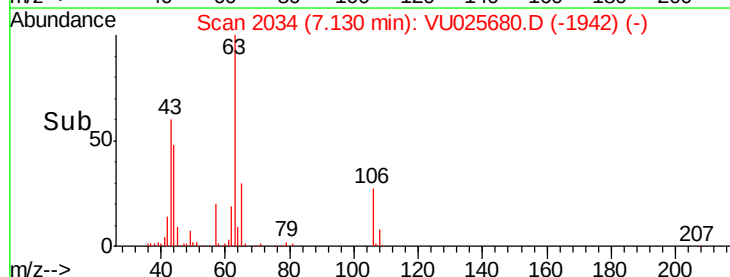
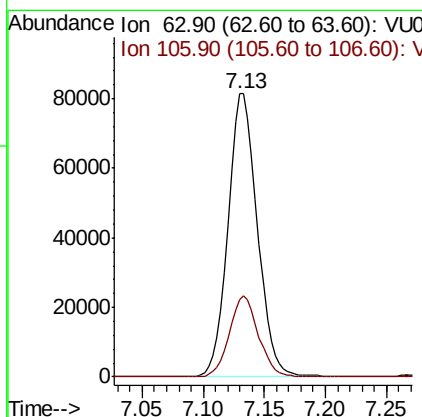
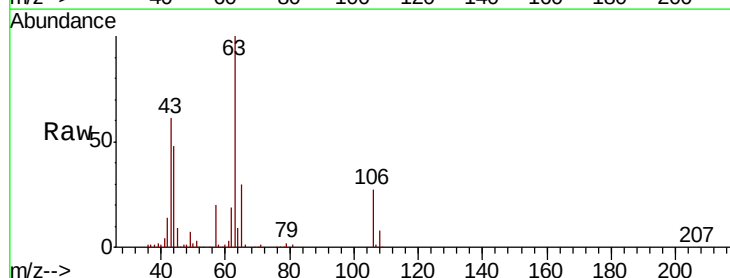
MM Dadoda

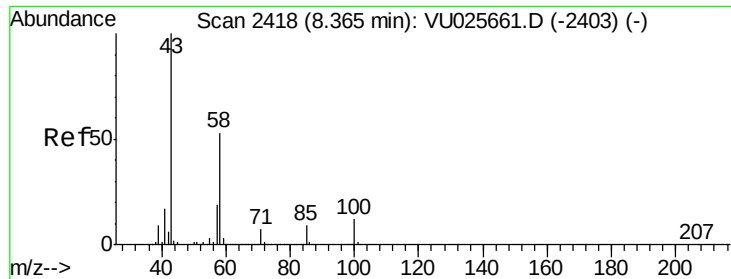
7/31/2018 3:49:31 PM



#58
 2-Chloroethyl Vinyl ether
 Concen: 97.38 ug/l
 RT: 7.13 min Scan# 2034
 Delta R.T. -0.00 min
 Lab File: VU025680.D
 Acq: 27 Jul 2018 19:36

Tgt Ion: 63 Resp: 137308
 Ion Ratio Lower Upper
 63 100
 106 28.0 22.3 33.5





#59
2-Hexanone
Concen: 103.86 ug/l
RT: 8.36 min Scan# 2418
Delta R.T. 0.00 min
Lab File: VU025680.D
Acq: 27 Jul 2018 19:36

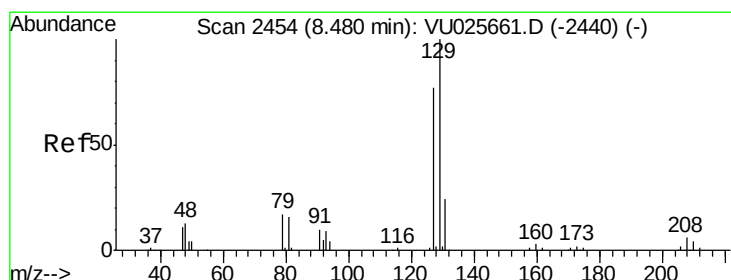
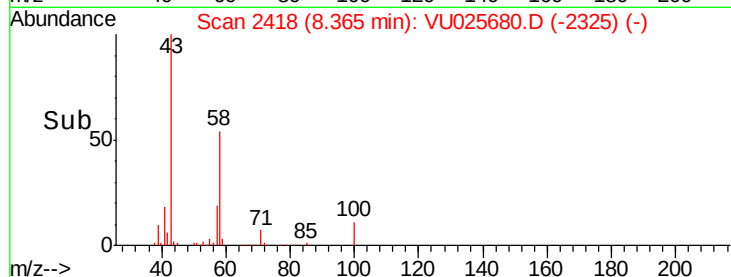
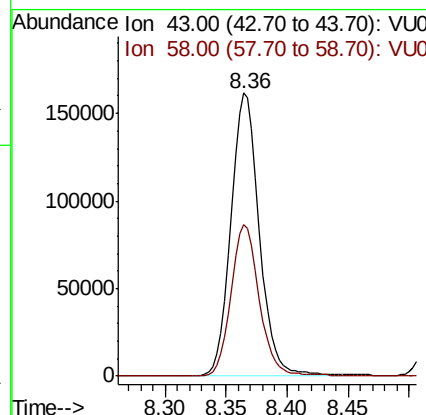
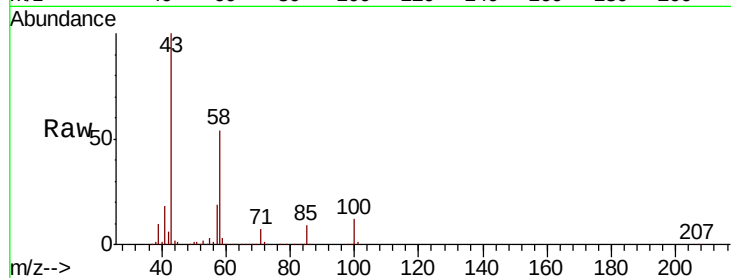
Instrument :
MSVOA_U
ClientSampled :
VU0727WBSD01

Tot Ion	43	Resp	264288
Ion Ratio	43	100	
Lower	58	53.5	26.2
Upper			78.5

Manual Integrations
APPROVED

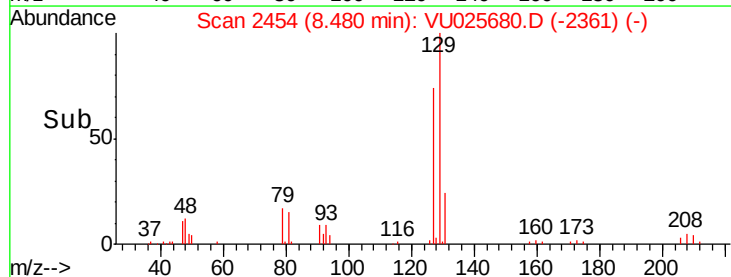
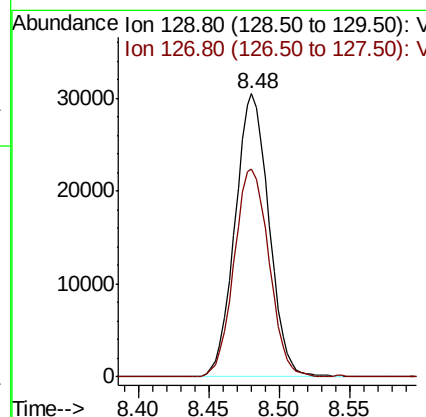
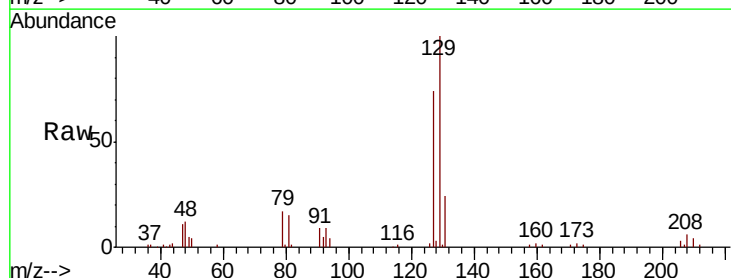
MM Dadoda

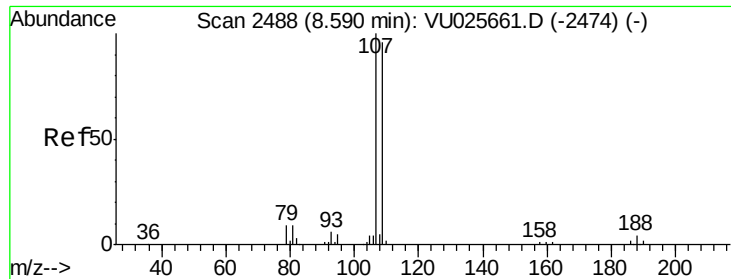
7/31/2018 3:49:31 PM



#60
Dibromochloromethane
Concen: 19.08 ug/l
RT: 8.48 min Scan# 2454
Delta R.T. 0.00 min
Lab File: VU025680.D
Acq: 27 Jul 2018 19:36

Tgt Ion	129	Resp	51384
Ion Ratio	129	100	
Lower	127	75.7	38.6
Upper			115.8





#61

1,2-Dibromoethane

Concen: 19.89 ug/l

RT: 8.59 min Scan# 2488

Delta R.T. 0.00 min

Lab File: VU025680.D

Acq: 27 Jul 2018 19:36

Instrument :

MSVOA_U

ClientSampleId :

VU0727WBSD01

Tot Ion:107 Resp: 50516

Ion Ratio Lower Upper

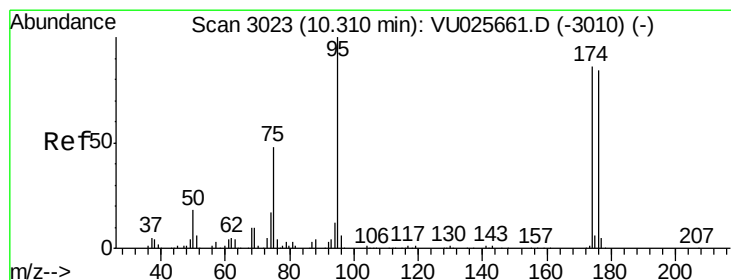
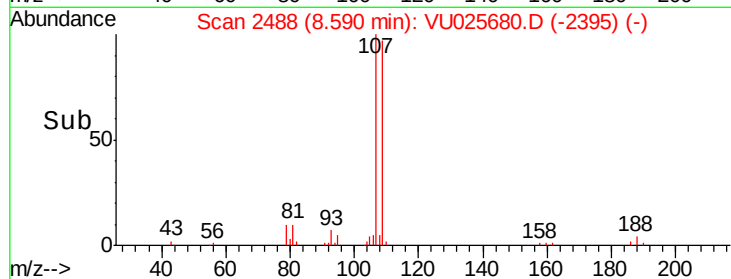
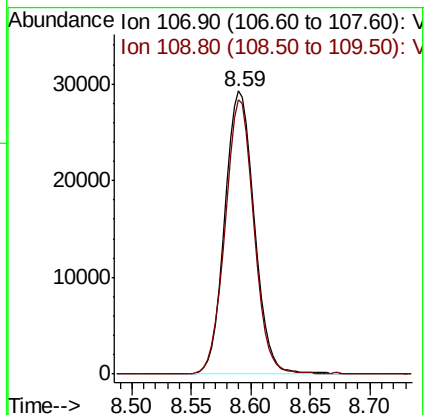
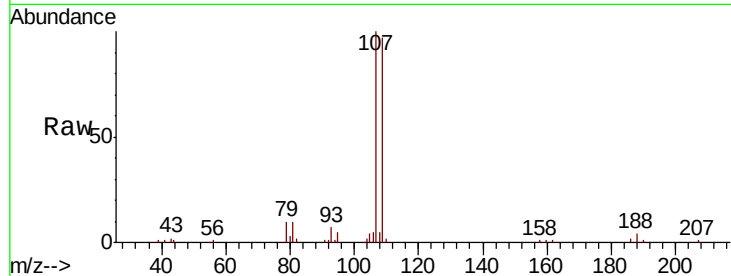
107 100

109 94.4 75.8 113.8

Manual Integrations
APPROVED

MMDadoda

7/31/2018 3:49:31 PM



#62

4-Bromofluorobenzene

Concen: 48.58 ug/l

RT: 10.31 min Scan# 3023

Delta R.T. 0.00 min

Lab File: VU025680.D

Acq: 27 Jul 2018 19:36

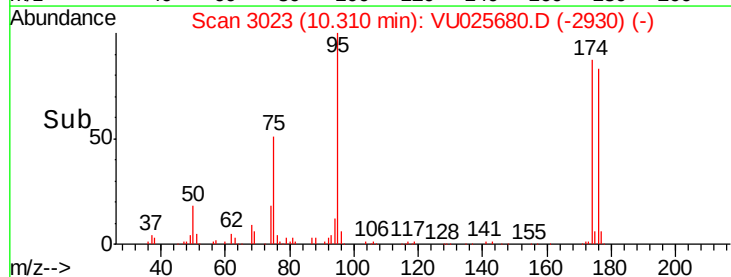
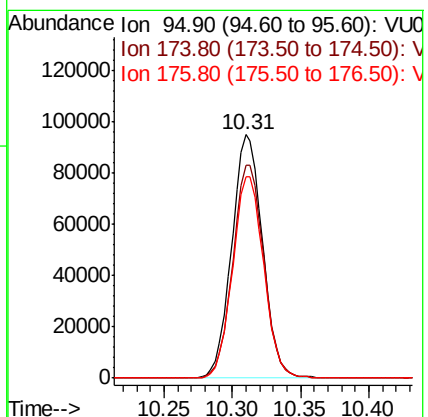
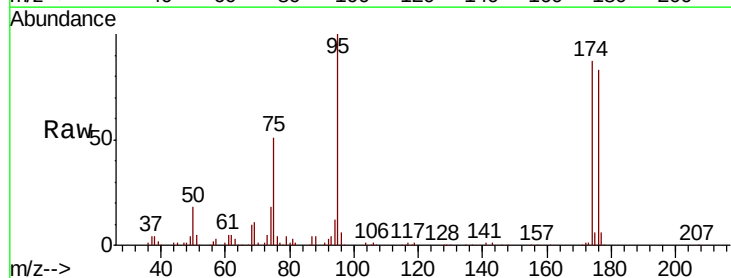
Tgt Ion: 95 Resp: 148612

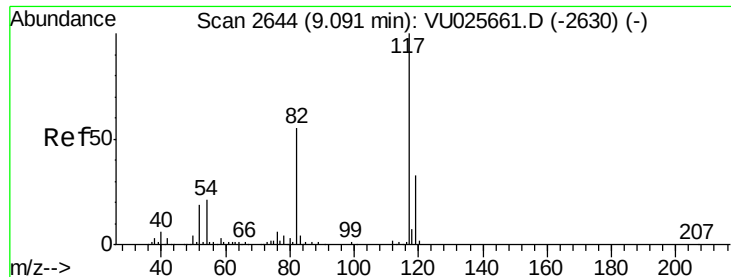
Ion Ratio Lower Upper

95 100

174 88.3 0.0 172.2

176 84.0 0.0 162.6





#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 9.09 min Scan# 2645
Delta R.T. 0.00 min
Lab File: VU025680.D
Acq: 27 Jul 2018 19:36

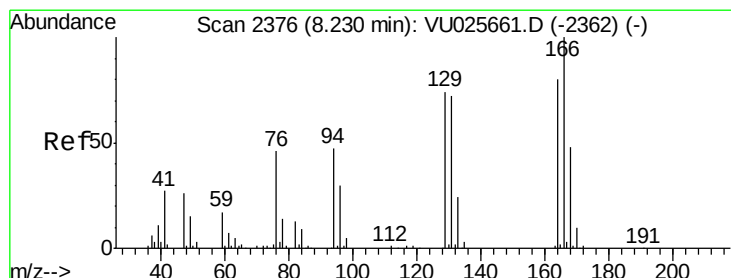
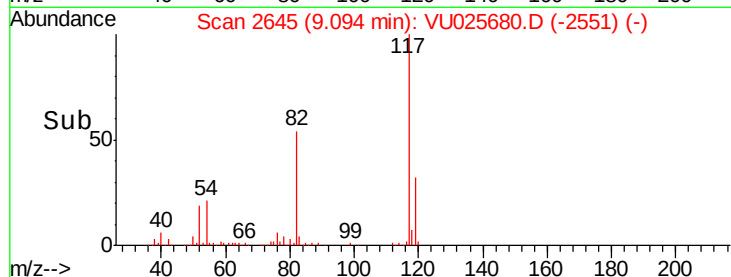
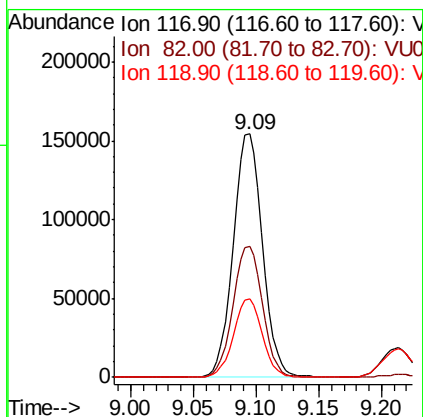
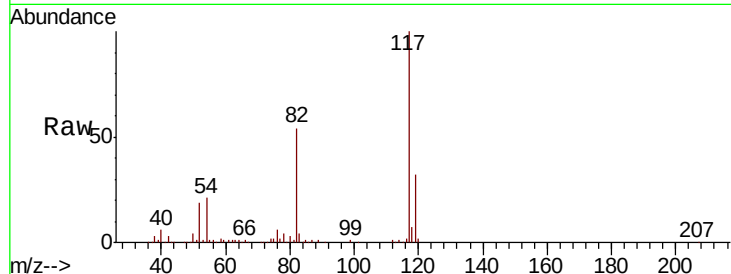
Instrument :
MSVOA_U
ClientSampleId :
VU0727WBSD01

Tot Ion	Ratio	Resp	Lower	Upper
117	100	250137		
82	53.8	46.0	69.0	
119	32.2	26.0	39.0	

Manual Integrations
APPROVED

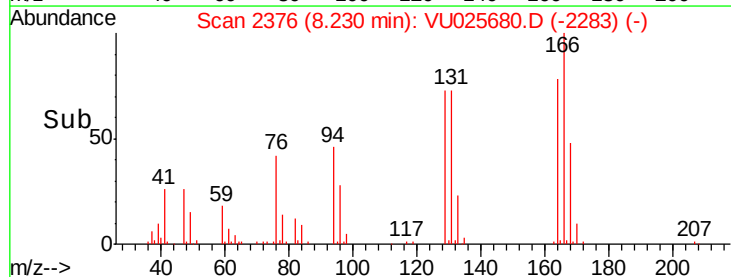
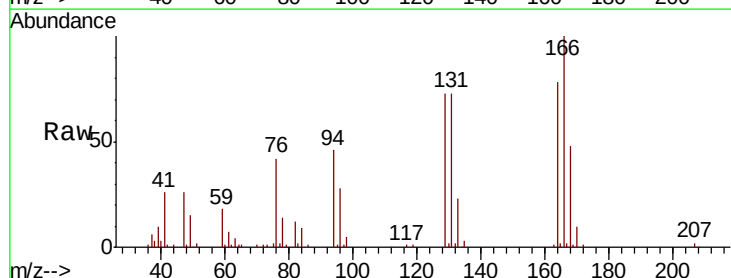
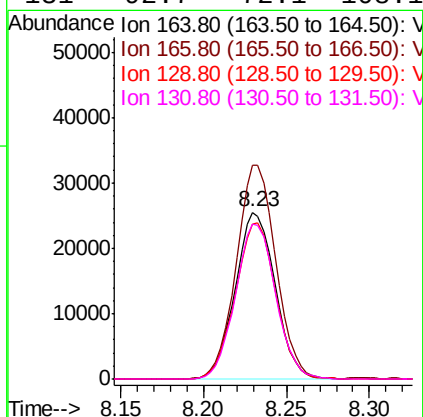
MMDadoda

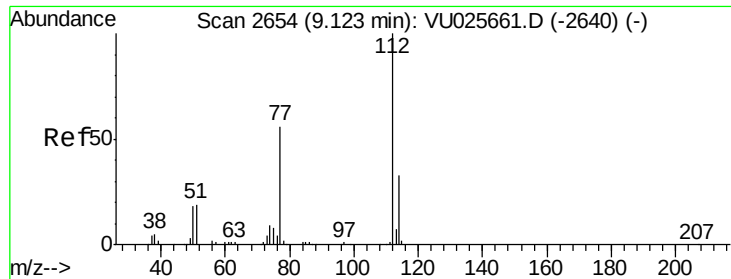
7/31/2018 3:49:31 PM



#64
Tetrachloroethene
Concen: 19.38 ug/l
RT: 8.23 min Scan# 2376
Delta R.T. 0.00 min
Lab File: VU025680.D
Acq: 27 Jul 2018 19:36

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	42672		
166	127.8	101.1	151.7	
129	92.7	73.0	109.6	
131	92.7	72.1	108.1	





#65
Chlorobenzene
Concen: 19.66 ug/l
RT: 9.12 min Scan# 2654
Delta R.T. 0.00 min
Lab File: VU025680.D
Acq: 27 Jul 2018 19:36

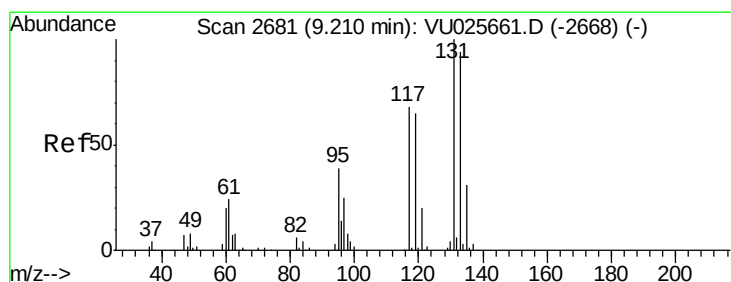
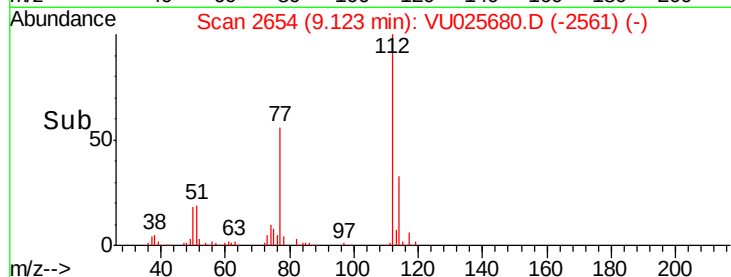
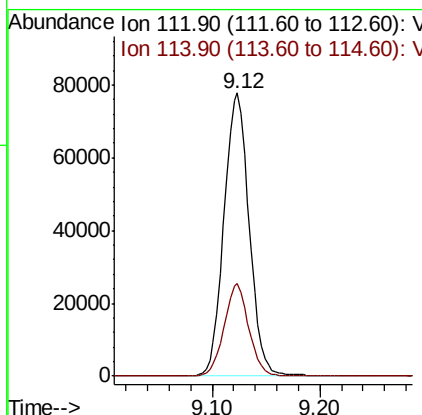
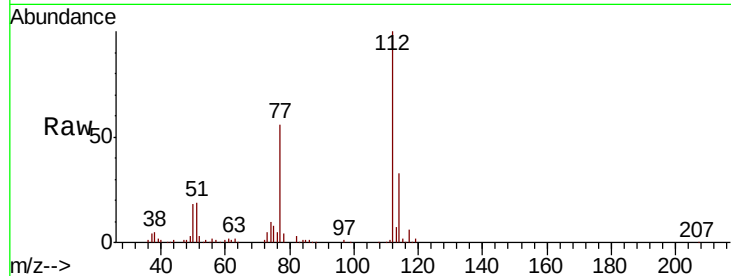
Instrument :
MSVOA_U
ClientSampleId :
VU0727WBSD01

Tot Ion	Ratio	Lower	Upper
112	100		
114	33.0	25.8	38.8

Manual Integrations
APPROVED

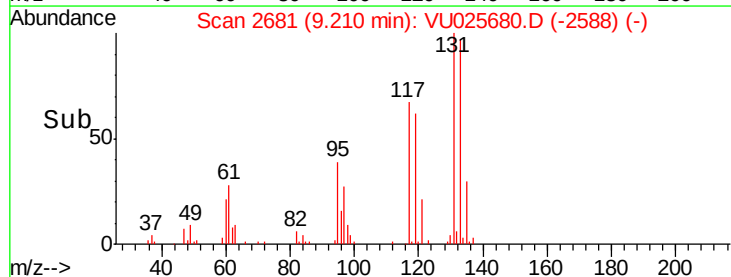
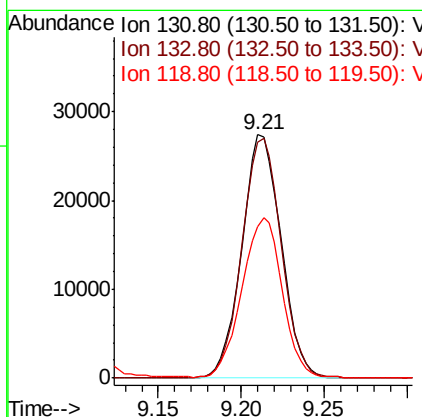
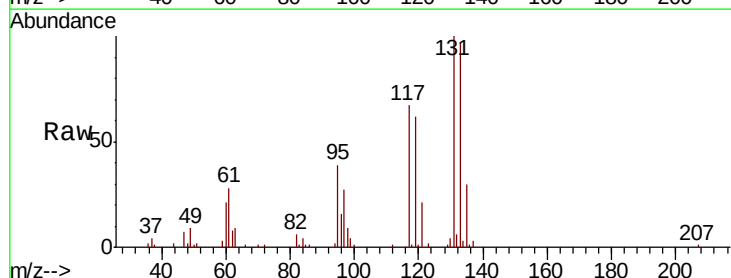
MM Dadoda

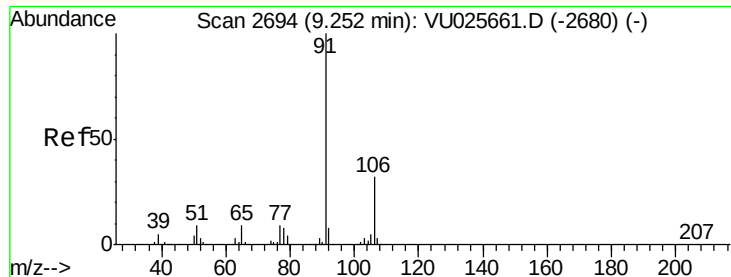
7/31/2018 3:49:31 PM



#66
1,1,1,2-Tetrachloroethane
Concen: 19.44 ug/l
RT: 9.21 min Scan# 2681
Delta R.T. 0.00 min
Lab File: VU025680.D
Acq: 27 Jul 2018 19:36

Tgt Ion	Ratio	Lower	Upper
131	100		
133	98.5	47.8	143.3
119	67.8	31.6	95.0





#67
Ethyl Benzene
Concen: 19.38 ug/l
RT: 9.25 min Scan# 2694
Delta R.T. 0.00 min
Lab File: VU025680.D
Acq: 27 Jul 2018 19:36

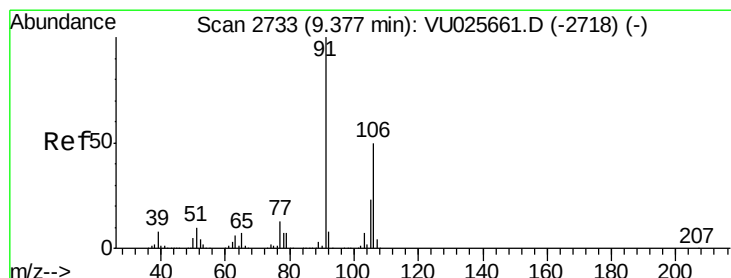
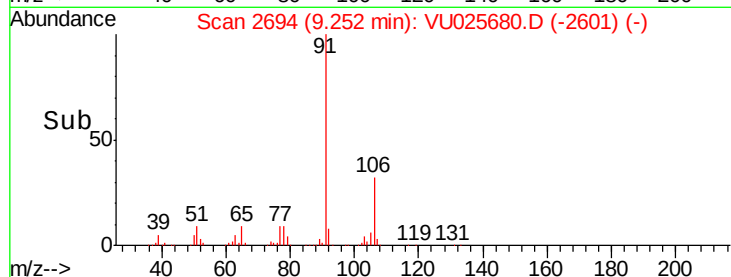
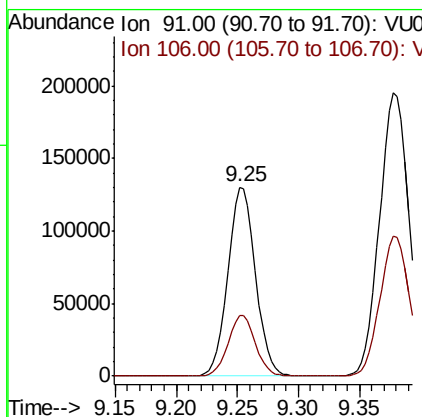
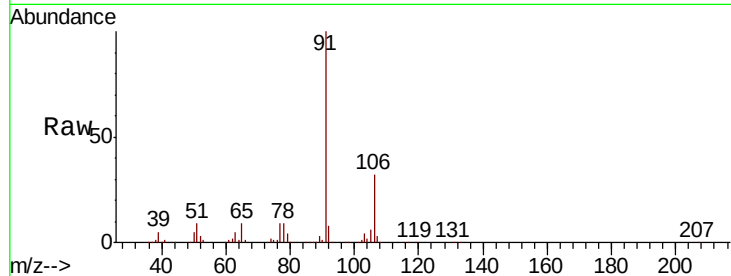
Instrument :
MSVOA_U
ClientSampleId :
VU0727WBSD01

Tot Ion	Ion	Ratio	Lower	Upper
91	100			
106	31.8	25.3	37.9	

Manual Integrations
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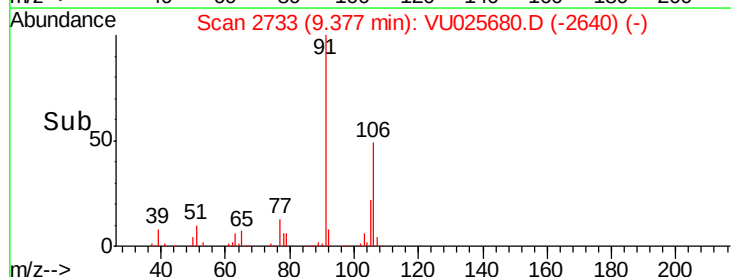
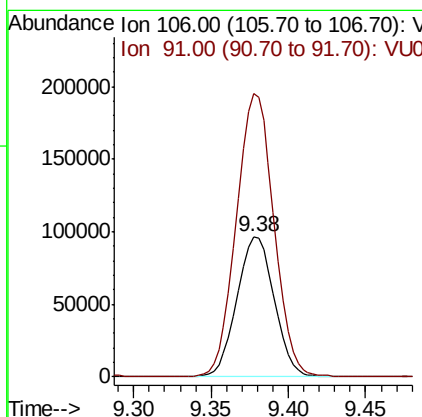
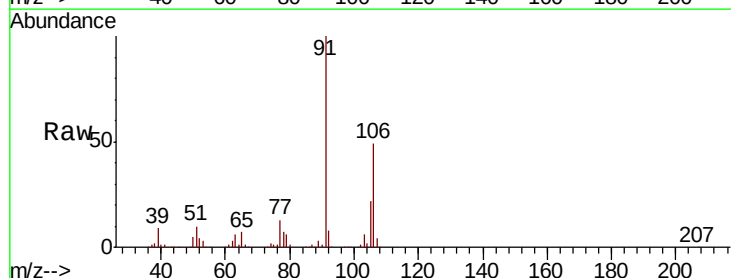
MM Dadoda

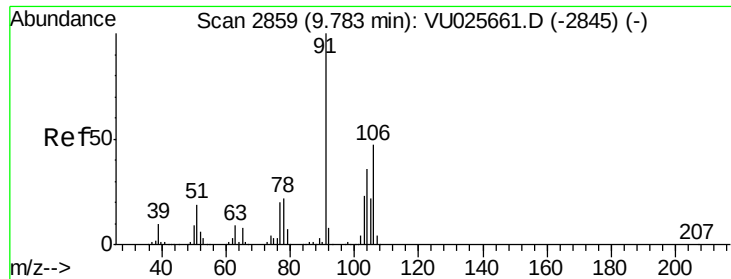
7/31/2018 3:49:31 PM



#68
m/p-Xylenes
Concen: 39.67 ug/l
RT: 9.38 min Scan# 2733
Delta R.T. 0.00 min
Lab File: VU025680.D
Acq: 27 Jul 2018 19:36

Tgt Ion	Ion	Ratio	Lower	Upper
106	100			
91	202.1	162.3	243.5	





#69
o-Xylene
Concen: 19.49 ug/l
RT: 9.78 min Scan# 2859
Delta R.T. 0.00 min
Lab File: VU025680.D
Acq: 27 Jul 2018 19:36

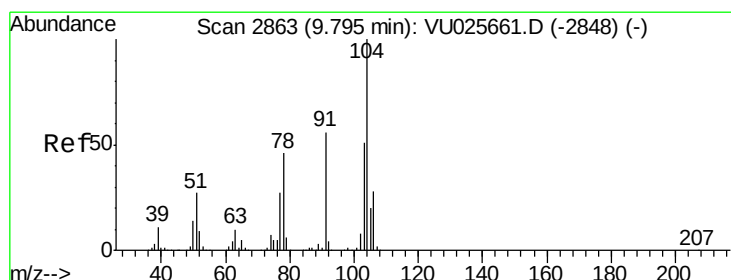
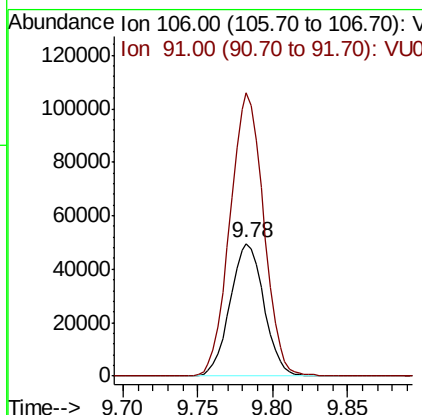
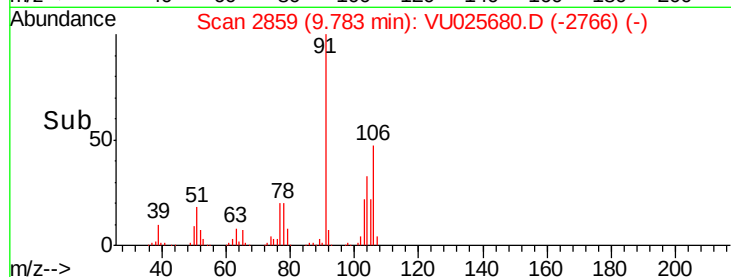
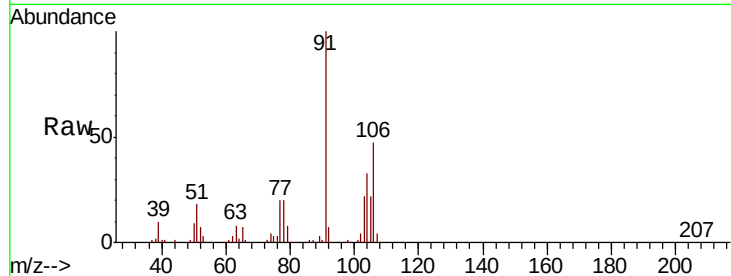
Instrument :
MSVOA_U
ClientSampled :
VU0727WBSD01

Tot Ion:106 Resp: 78110
Ion Ratio Lower Upper
106 100
91 212.7 105.3 315.8

Manual Integrations
APPROVED

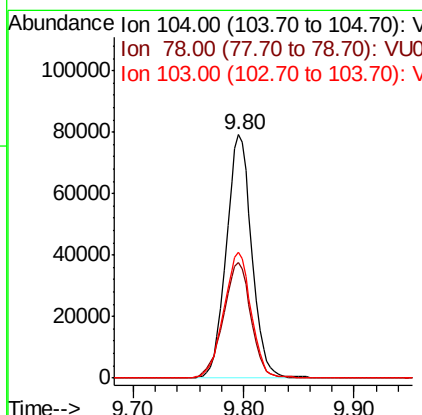
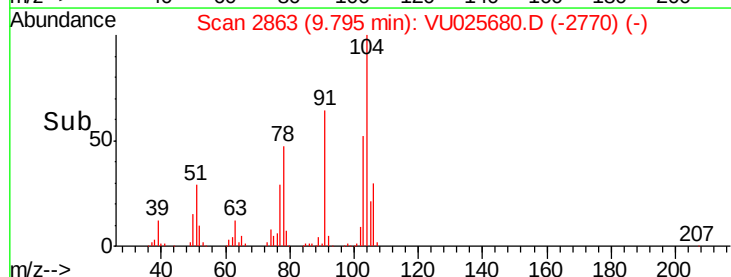
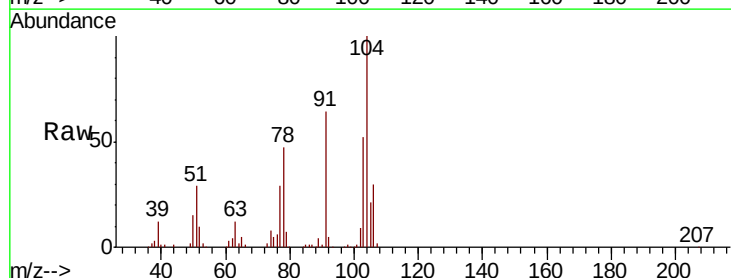
MMDadoda

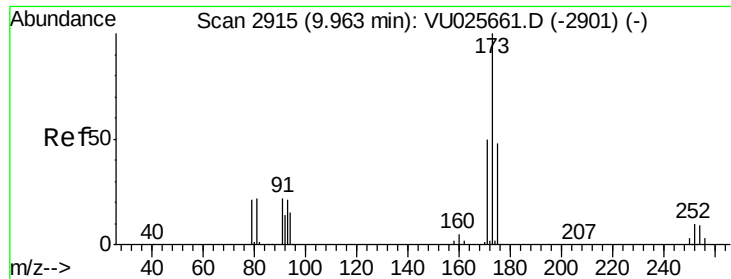
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#70
Styrene
Concen: 19.59 ug/l
RT: 9.80 min Scan# 2863
Delta R.T. 0.00 min
Lab File: VU025680.D
Acq: 27 Jul 2018 19:36

Tgt Ion:104 Resp: 126819
Ion Ratio Lower Upper
104 100
78 51.4 41.6 62.4
103 55.1 44.6 66.8





#71

Bromoform

Concen: 19.08 ug/l

RT: 9.96 min Scan# 2915

Delta R.T. 0.00 min

Lab File: VU025680.D

Acq: 27 Jul 2018 19:36

Instrument :

MSVOA_U

ClientSampleId :

VU0727WBSD01

Tot Ion:173 Resp: 38604

Ion Ratio Lower Upper

173 100

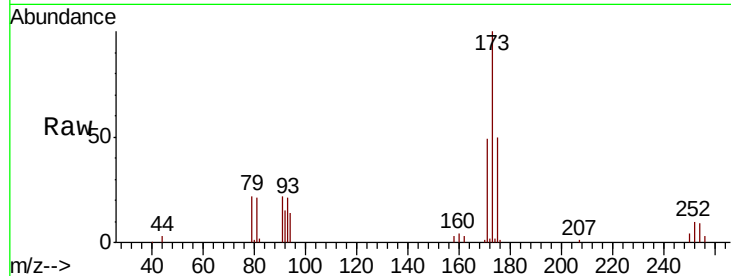
175 49.3 24.0 72.0

254 0.0 0.0 0.0

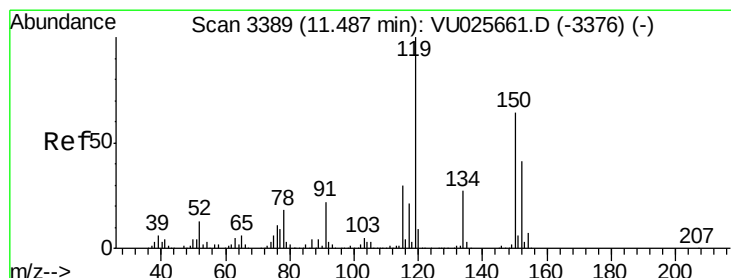
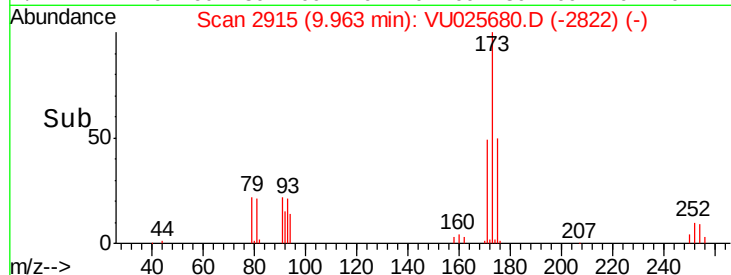
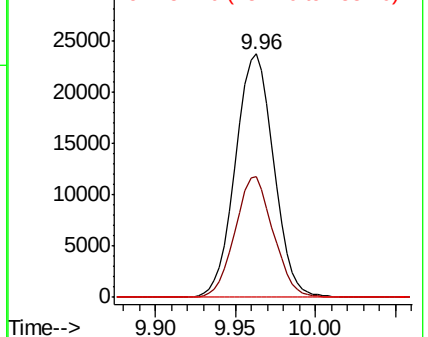
Manual Integrations
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Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

RT: 11.49 min Scan# 3389

Delta R.T. 0.00 min

Lab File: VU025680.D

Acq: 27 Jul 2018 19:36

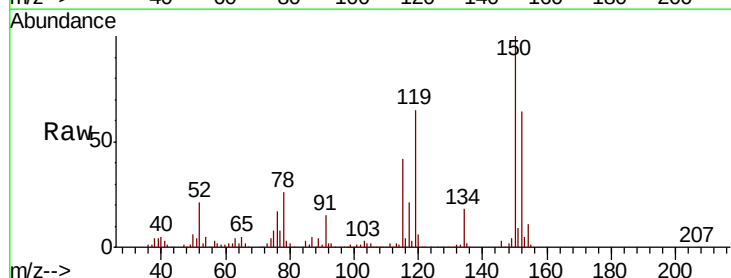
Tgt Ion:152 Resp: 156224

Ion Ratio Lower Upper

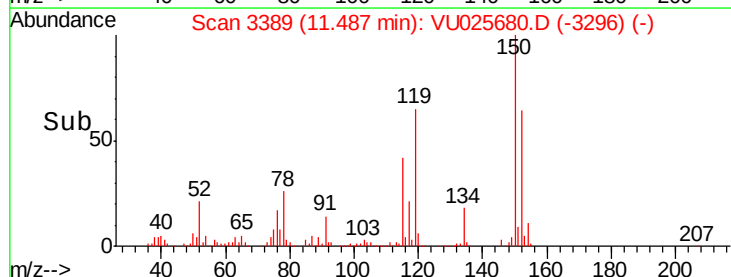
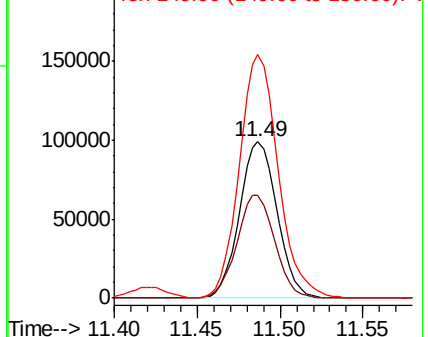
152 100

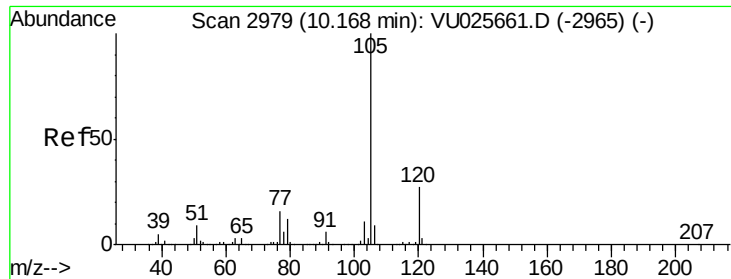
115 66.5 40.1 120.3

150 161.5 0.0 351.4



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





#73

Isopropylbenzene

Concen: 20.02 ug/l

RT: 10.17 min Scan# 2979

Delta R.T. 0.00 min

Lab File: VU025680.D

Acq: 27 Jul 2018 19:36

Instrument :

MSVOA_U

ClientSampleId :

VU0727WBSD01

Tot Ion:105 Resp: 213462

Ion Ratio Lower Upper

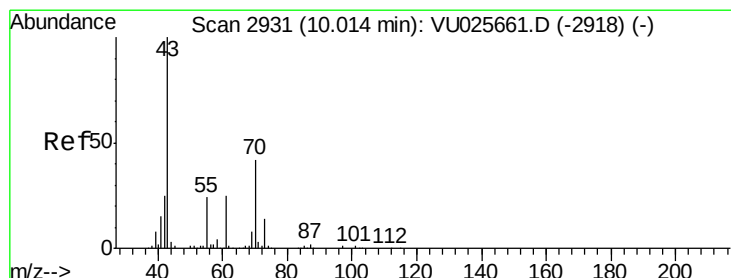
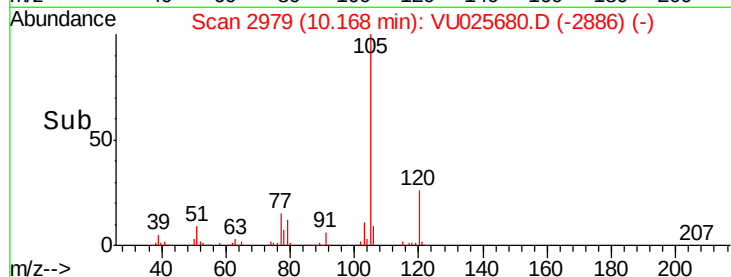
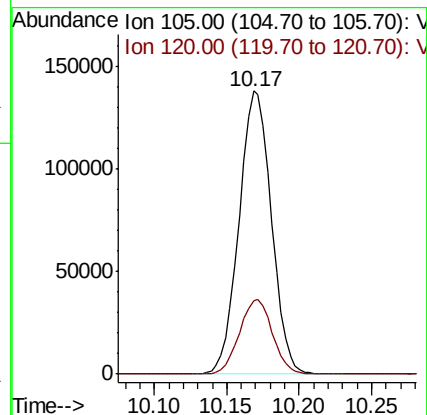
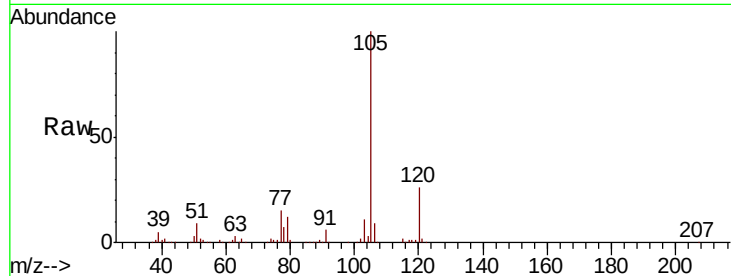
105 100

120 26.7 13.5 40.5

Manual Integrations
APPROVED

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#74

N-ethyl acetate

Concen: 20.93 ug/l

RT: 10.02 min Scan# 2932

Delta R.T. 0.00 min

Lab File: VU025680.D

Acq: 27 Jul 2018 19:36

Tgt Ion: 43 Resp: 91109

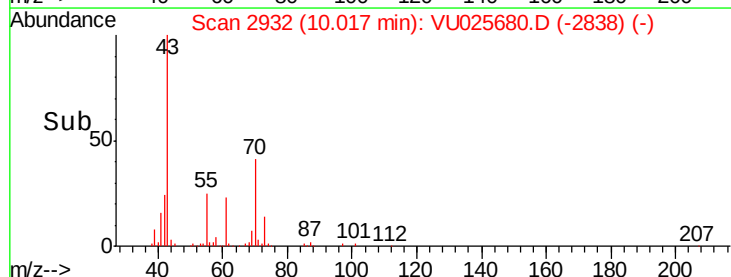
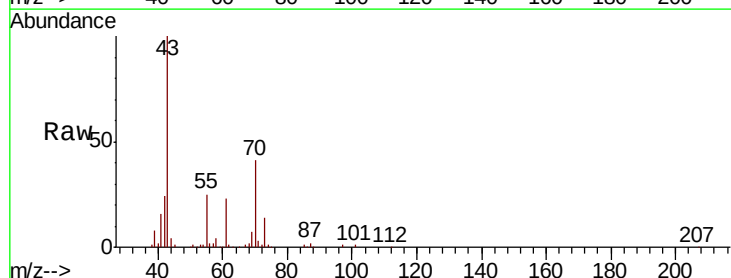
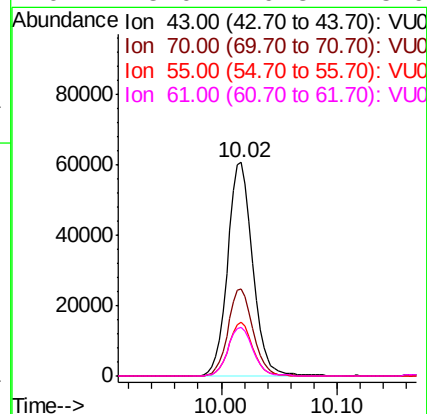
Ion Ratio Lower Upper

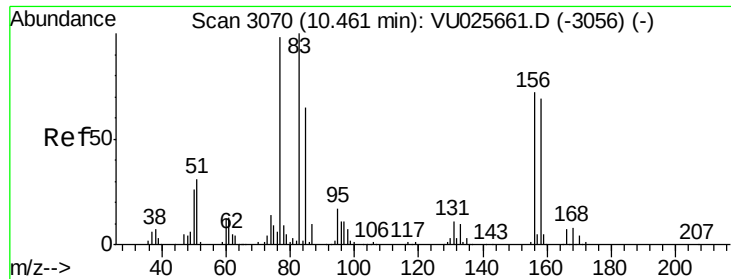
43 100

70 40.4 33.4 50.2

55 24.3 19.0 28.6

61 23.0 19.3 28.9





#75

1,1,2,2-Tetrachloroethane

Concen: 20.32 ug/l

RT: 10.46 min Scan# 3070

Delta R.T. 0.00 min

Lab File: VU025680.D

Acq: 27 Jul 2018 19:36

Instrument :

MSVOA_U

ClientSampleId :

VU0727WBSD01

Tot Ion: 83 Resp: 74941

Ion Ratio Lower Upper

83 100

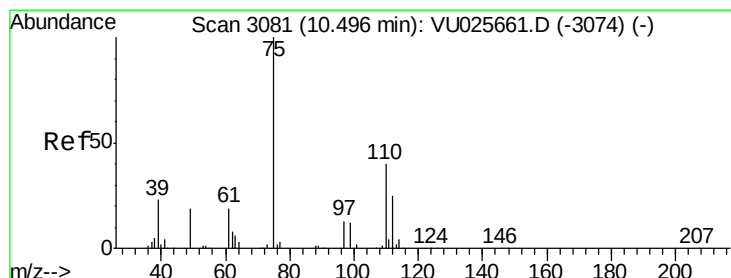
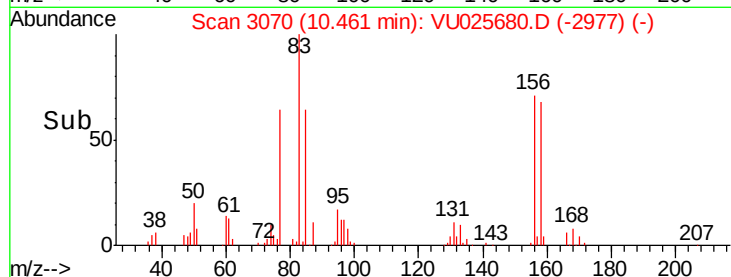
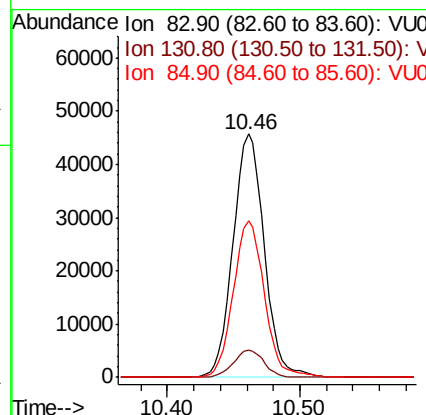
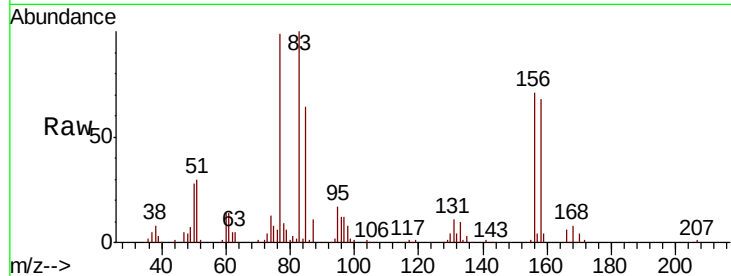
131 10.8 5.5 16.4

85 64.0 31.6 94.8

Manual Integrations
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#76

1,2,3-Trichloropropane

Concen: 19.39 ug/l m

RT: 10.50 min Scan# 3081

Delta R.T. 0.00 min

Lab File: VU025680.D

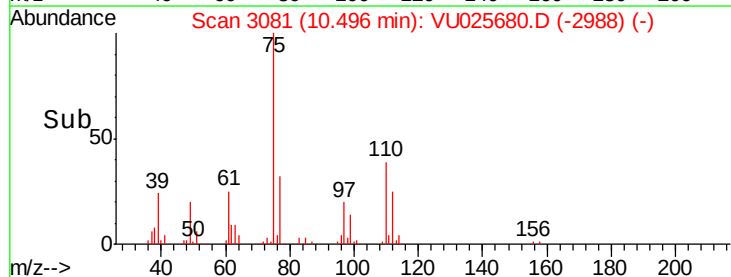
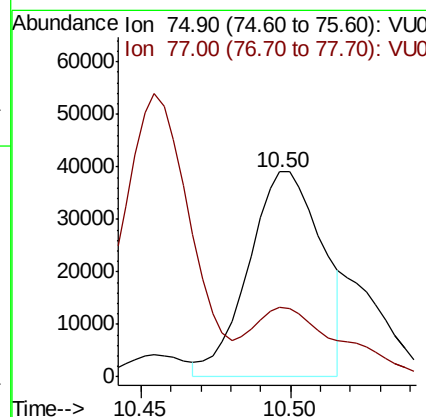
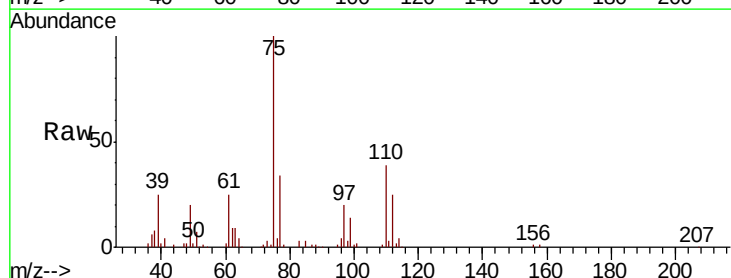
Acq: 27 Jul 2018 19:36

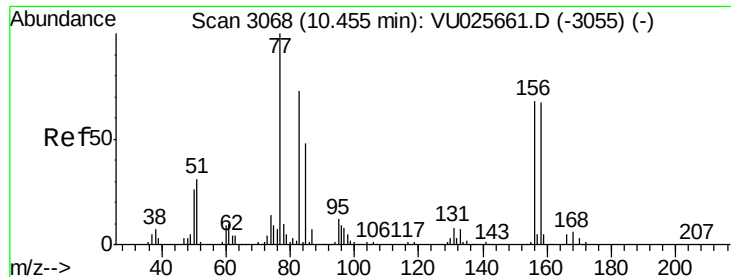
Tgt Ion: 75 Resp: 66727

Ion Ratio Lower Upper

75 100

77 42.2 20.4 61.3





#77

Bromobenzene

Concen: 19.60 ug/l

RT: 10.46 min Scan# 3069

Delta R.T. 0.00 min

Lab File: VU025680.D

Acq: 27 Jul 2018 19:36

Instrument :

MSVOA_U

ClientSampled :

VU0727WBSD01

Tot Ion:156 Resp: 57652

Ion Ratio Lower Upper

156 100

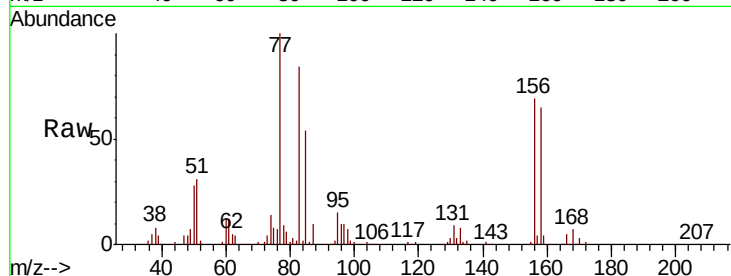
77 146.7 73.8 221.4

158 94.5 48.0 144.0

Manual Integrations
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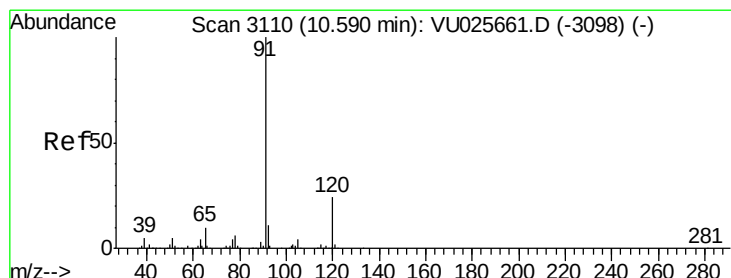
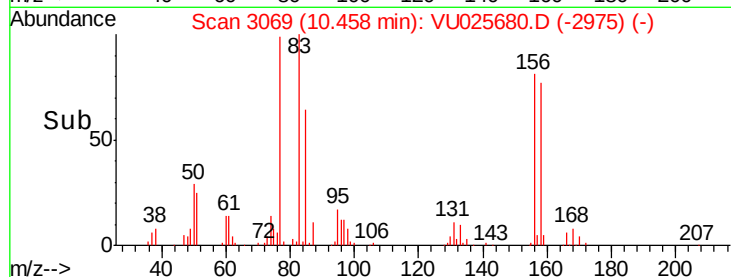
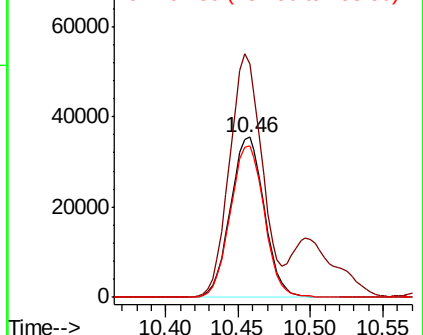
7/31/2018 3:49:31 PM



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VU0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 19.91 ug/l

RT: 10.59 min Scan# 3110

Delta R.T. 0.00 min

Lab File: VU025680.D

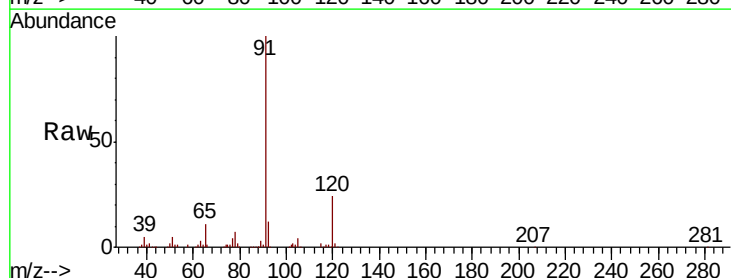
Acq: 27 Jul 2018 19:36

Tgt Ion: 91 Resp: 247826

Ion Ratio Lower Upper

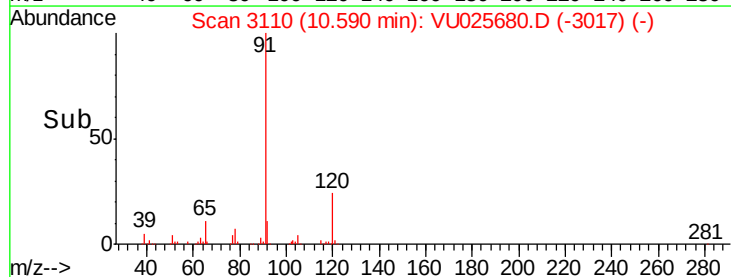
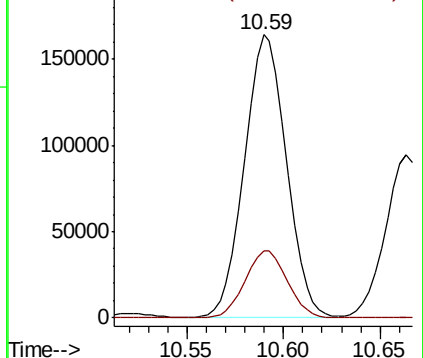
91 100

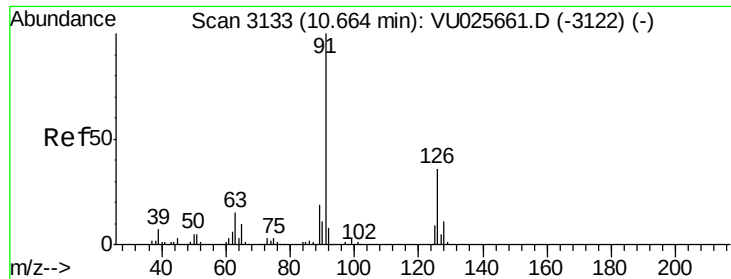
120 23.9 11.8 35.3



Abundance Ion 91.00 (90.70 to 91.70): VU0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 20.02 ug/l

RT: 10.66 min Scan# 3133

Delta R.T. 0.00 min

Lab File: VU025680.D

Acq: 27 Jul 2018 19:36

Instrument :

MSVOA_U

ClientSampled :

VU0727WBSD01

Tot Ion: 91 Resp: 145951

Ion Ratio Lower Upper

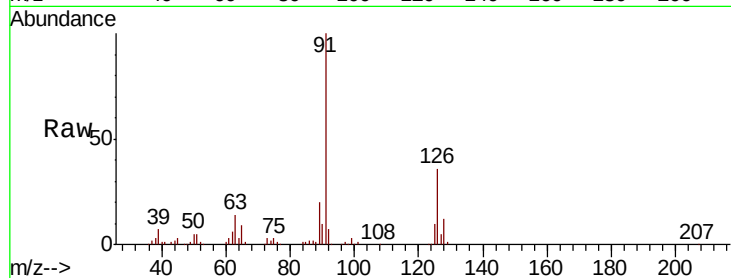
91 100

126 35.6 17.5 52.6

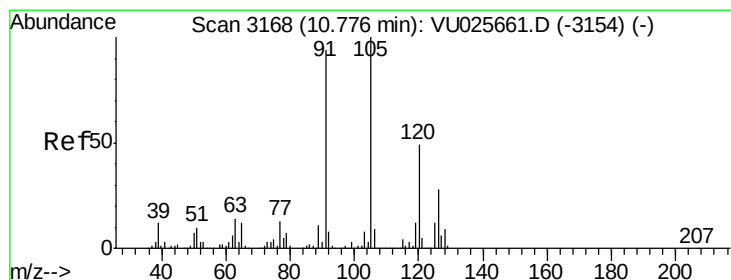
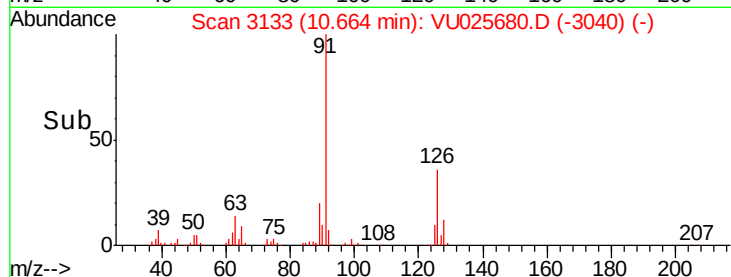
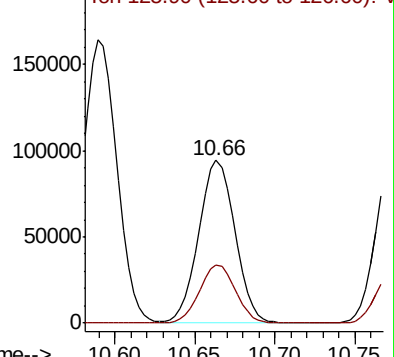
Manual Integrations
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Abundance Ion 91.00 (90.70 to 91.70): VU025661.D (-3122) (-)



#80

1,3,5-Trimethylbenzene

Concen: 20.04 ug/l

RT: 10.78 min Scan# 3168

Delta R.T. 0.00 min

Lab File: VU025680.D

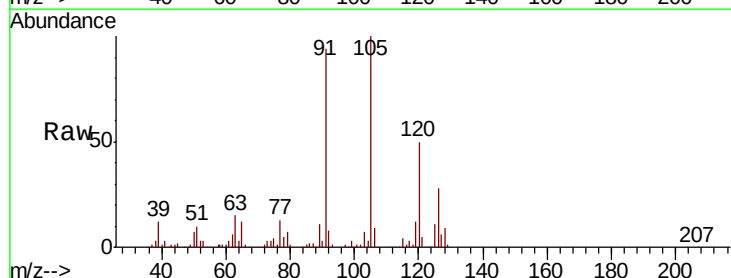
Acq: 27 Jul 2018 19:36

Tgt Ion: 105 Resp: 181476

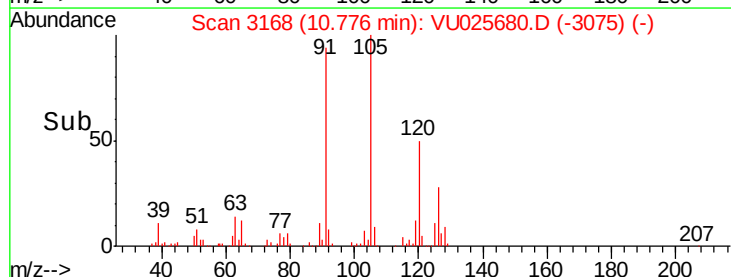
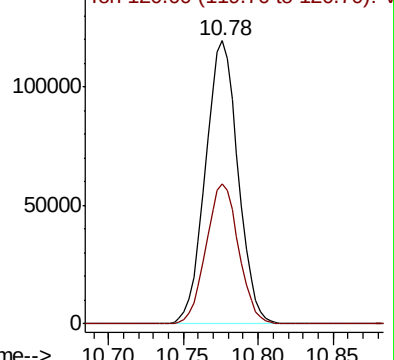
Ion Ratio Lower Upper

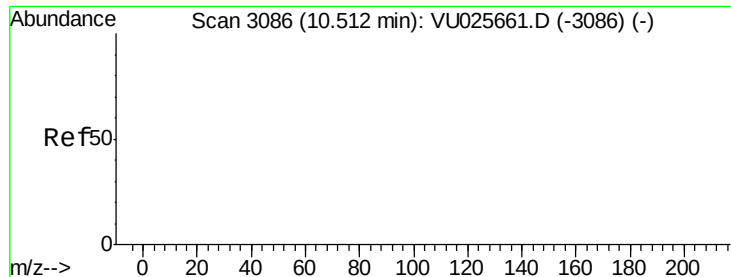
105 100

120 49.4 24.1 72.2



Abundance Ion 105.00 (104.70 to 105.70): VU025661.D (-3154) (-)





#81
trans-1,4-Dichloro-2-butene
Concen: 39.04 ug/l m
RT: 10.50 min Scan# 3081
Delta R.T. 0.00 min
Lab File: VU025680.D
Acq: 27 Jul 2018 19:36

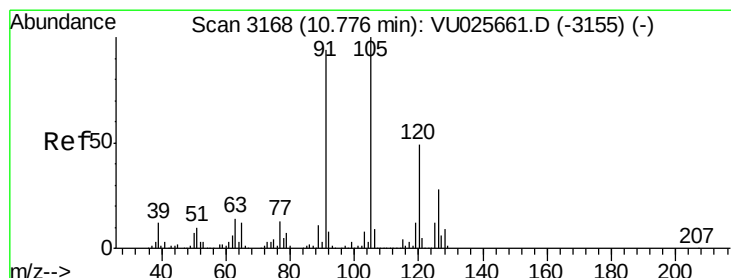
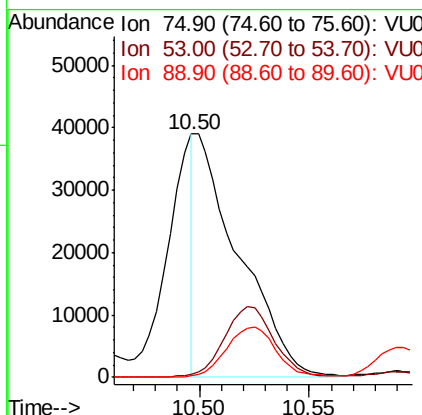
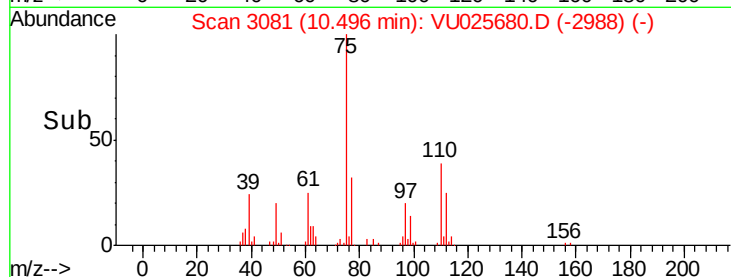
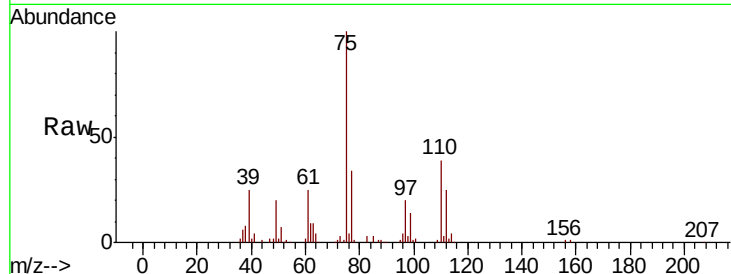
Instrument :
MSVOA_U
ClientSampled :
VU0727WBSD01

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

Manual Integrations
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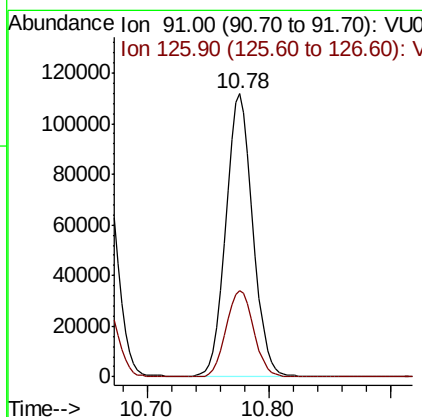
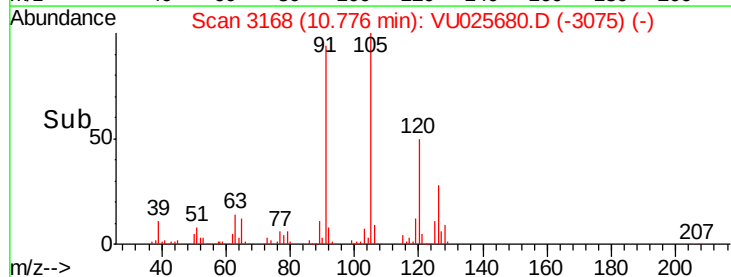
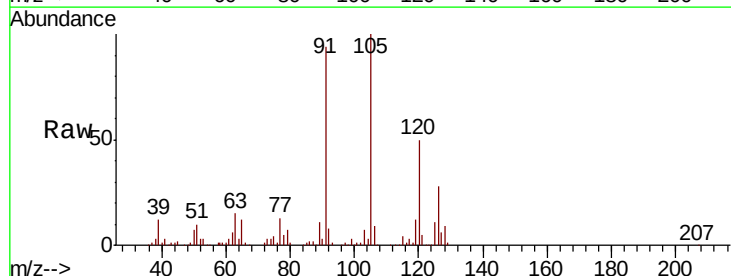
MM Dadoda

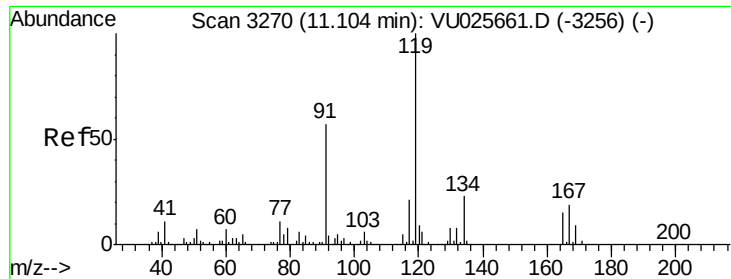
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#82
4-Chlorotoluene
Concen: 20.14 ug/l
RT: 10.78 min Scan# 3168
Delta R.T. 0.00 min
Lab File: VU025680.D
Acq: 27 Jul 2018 19:36

Tgt Ion	Ratio	Lower	Upper
91	100		
126	31.3	15.3	45.9





#83
 tert-Butylbenzene
 Concen: 19.60 ug/l
 RT: 11.10 min Scan# 3270
 Delta R.T. 0.00 min
 Lab File: VU025680.D
 Acq: 27 Jul 2018 19:36

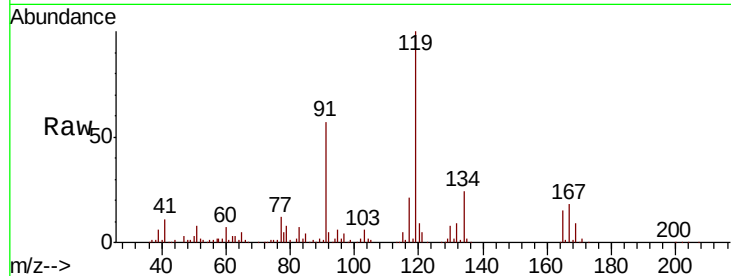
Instrument :
 MSVOA_U
 ClientSampled :
 VU0727WBSD01

Tot Ion	Ratio	Lower	Upper
119	100		
91	57.9	29.7	89.1
134	23.5	11.5	34.5

Manual Integrations
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MM Dadoda

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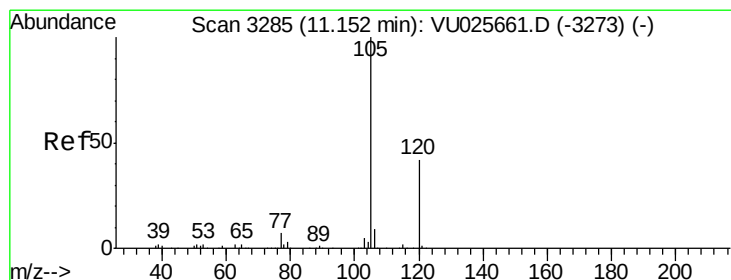
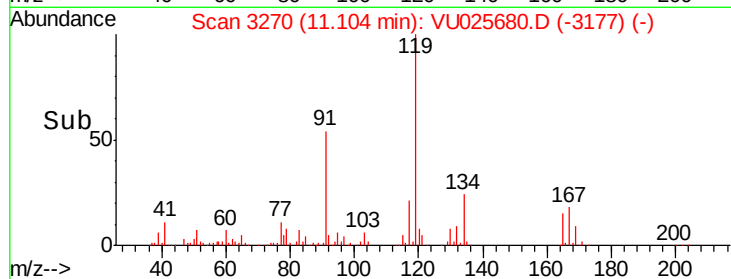
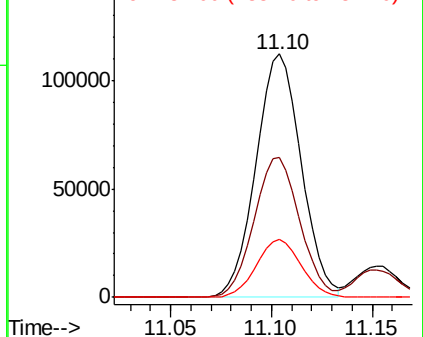


Abundance

Ion 119.00 (118.70 to 119.70): V

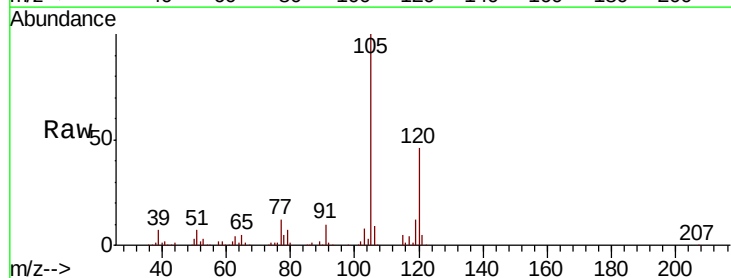
Ion 91.00 (90.70 to 91.70): V

Ion 134.00 (133.70 to 134.70): V



#84
 1,2,4-Trimethylbenzene
 Concen: 20.09 ug/l
 RT: 11.15 min Scan# 3285
 Delta R.T. 0.00 min
 Lab File: VU025680.D
 Acq: 27 Jul 2018 19:36

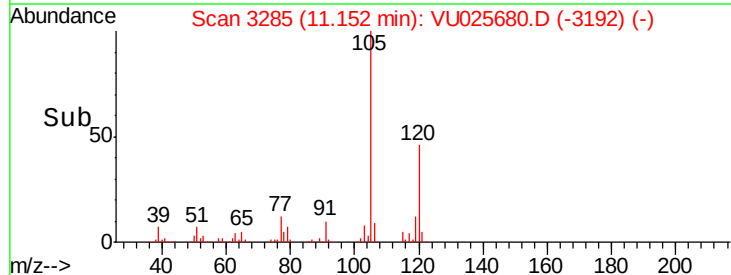
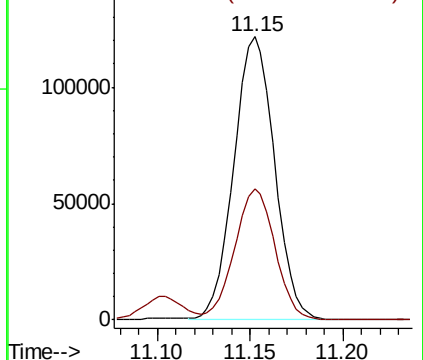
Tgt Ion	Ratio	Lower	Upper
105	100		
120	46.1	22.3	66.8

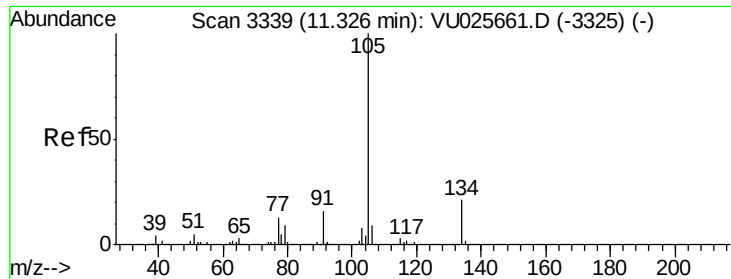


Abundance

Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#85
 sec-Butylbenzene
 Concen: 19.82 ug/l
 RT: 11.33 min Scan# 3339
 Delta R.T. 0.00 min
 Lab File: VU025680.D
 Acq: 27 Jul 2018 19:36

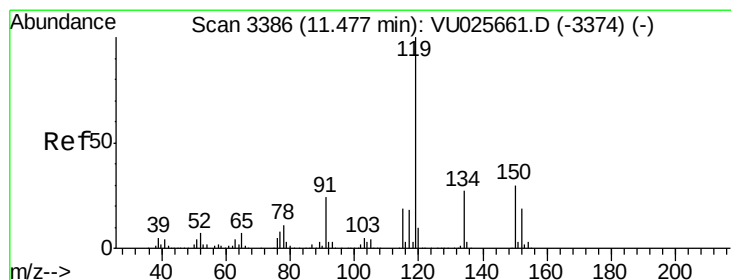
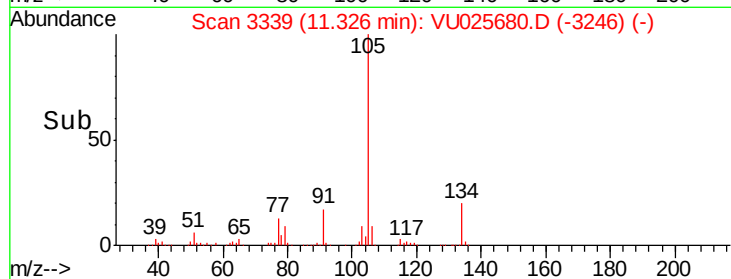
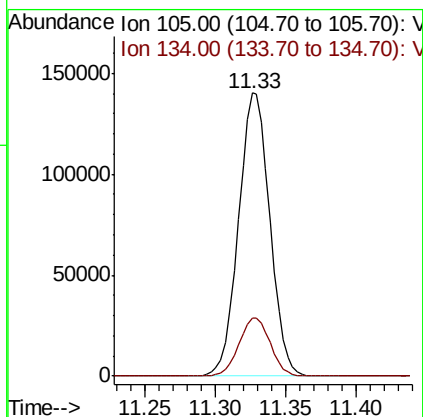
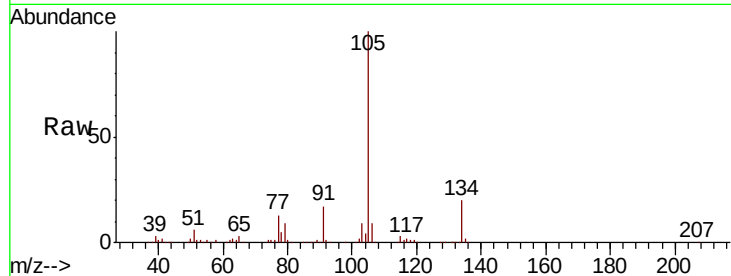
Instrument :
 MSVOA_U
 ClientSampleId :
 VU0727WBSD01

Tot Ion	Ratio	Lower	Upper
105	100		
134	20.5	10.3	30.8

Manual Integrations
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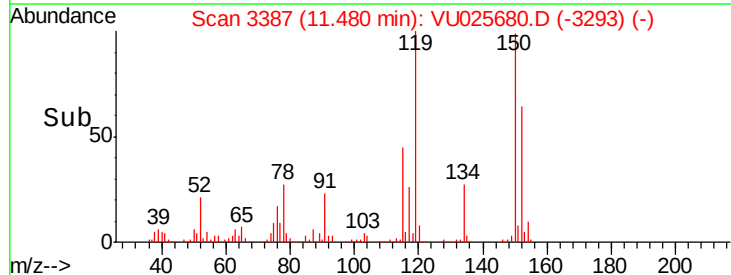
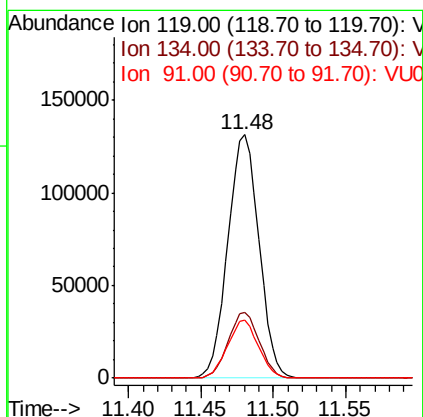
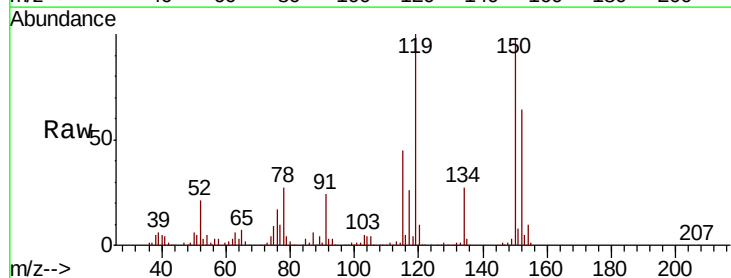
MM Dadoda

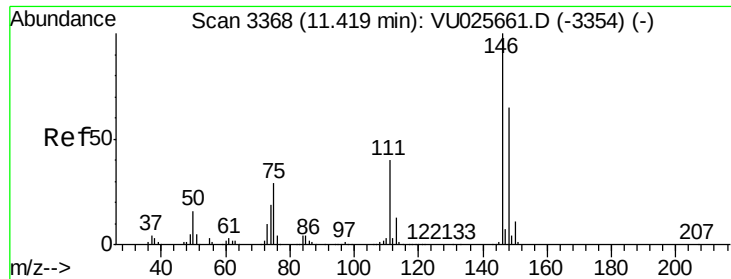
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#86
 p-Isopropyltoluene
 Concen: 19.94 ug/l
 RT: 11.48 min Scan# 3387
 Delta R.T. 0.00 min
 Lab File: VU025680.D
 Acq: 27 Jul 2018 19:36

Tgt Ion	Ratio	Lower	Upper
119	100		
134	26.9	13.2	39.5
91	23.6	12.0	36.1





#87
 1,3-Dichlorobenzene
 Concen: 19.57 ug/l
 RT: 11.42 min Scan# 3368
 Delta R.T. 0.00 min
 Lab File: VU025680.D
 Acq: 27 Jul 2018 19:36

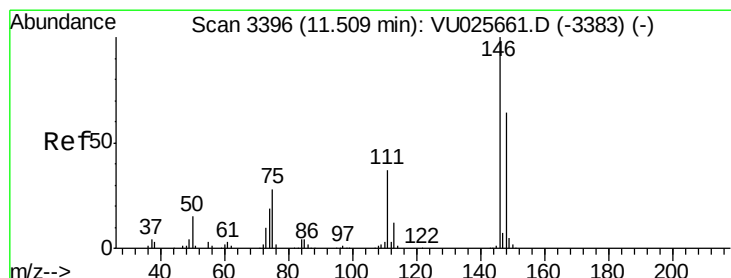
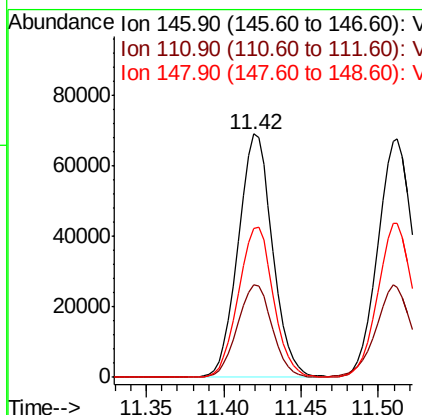
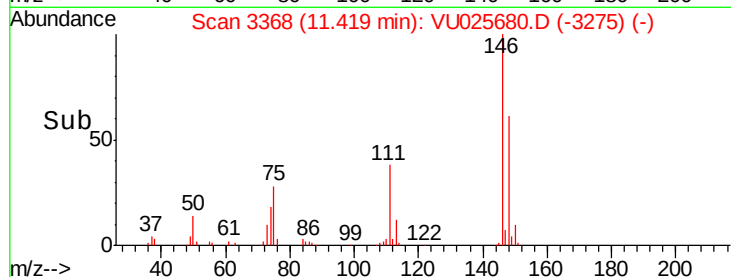
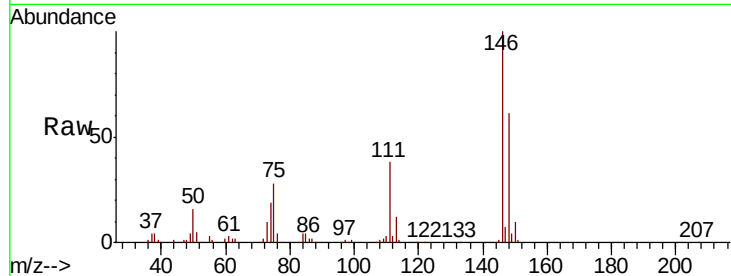
Instrument :
 MSVOA_U
 ClientSampleId :
 VU0727WBSD01

Tot Ion	Ratio	Lower	Upper
146	100		
111	38.4	19.7	59.1
148	62.6	32.1	96.3

Manual Integrations
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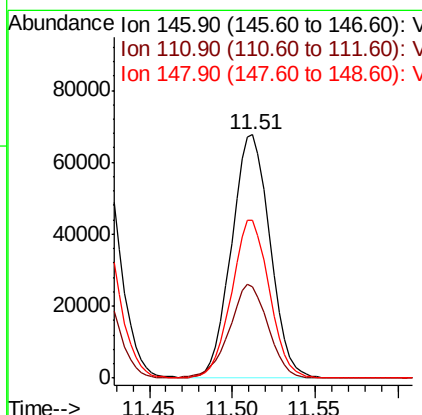
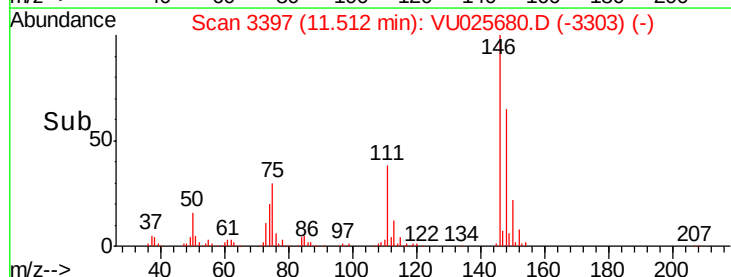
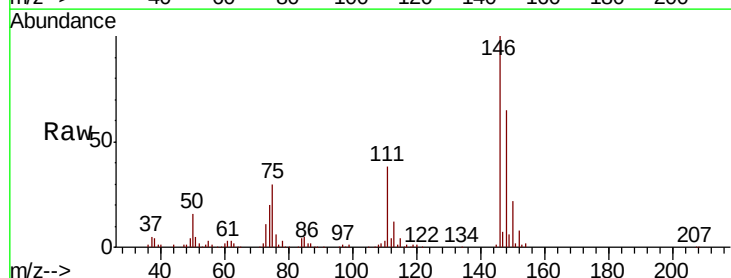
MM Dadoda

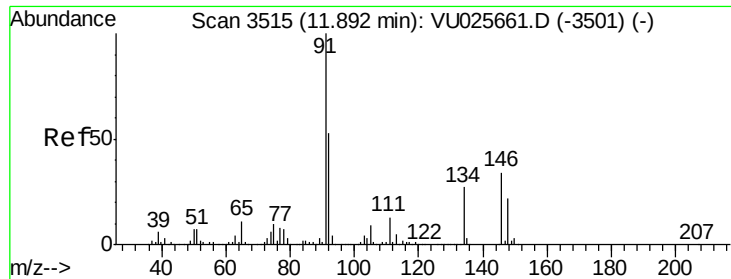
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#88
 1,4-Dichlorobenzene
 Concen: 19.16 ug/l
 RT: 11.51 min Scan# 3397
 Delta R.T. 0.00 min
 Lab File: VU025680.D
 Acq: 27 Jul 2018 19:36

Tgt Ion	Ratio	Lower	Upper
146	100		
111	39.1	19.4	58.1
148	64.1	31.7	95.1





#89
n-Butylbenzene
Concen: 19.76 ug/l
RT: 11.89 min Scan# 3516
Delta R.T. 0.00 min
Lab File: VU025680.D
Acq: 27 Jul 2018 19:36

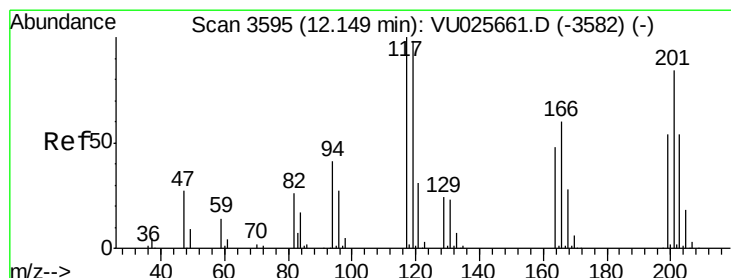
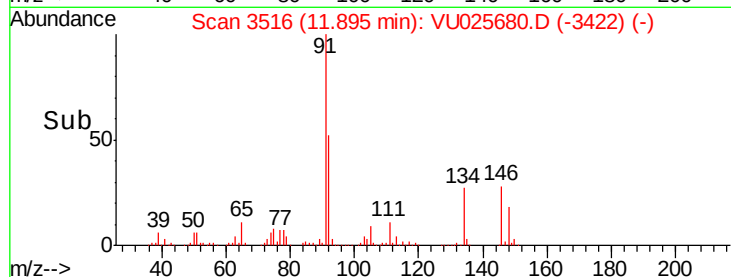
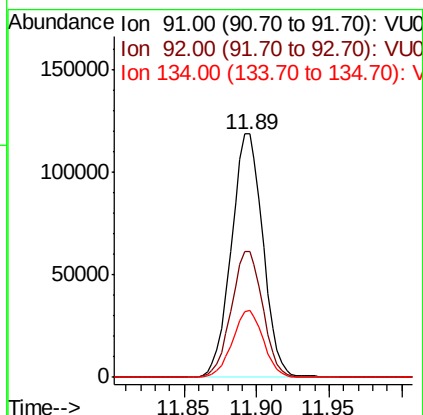
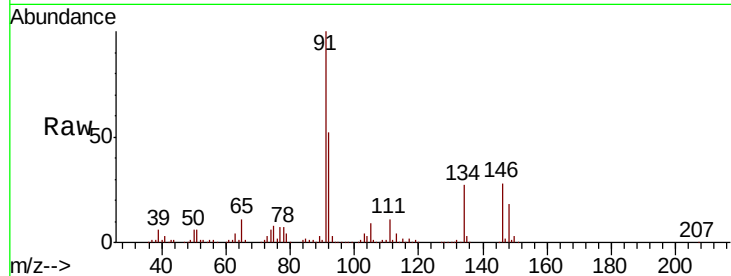
Instrument :
MSVOA_U
ClientSampleId :
VU0727WBSD01

Tot Ion	Ratio	Lower	Upper
91	100		
92	51.2	26.5	79.5
134	26.7	13.6	40.7

Manual Integrations
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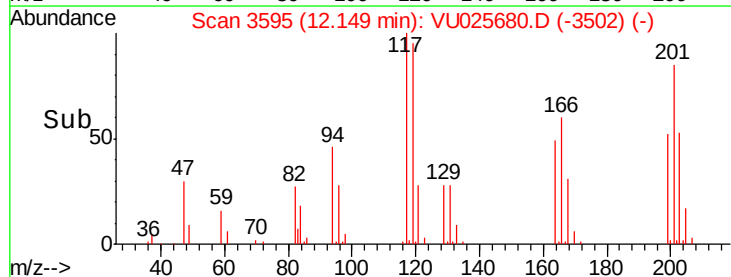
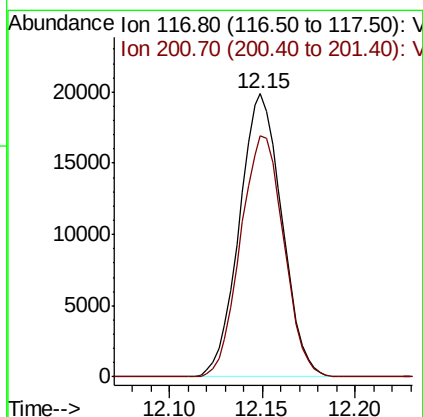
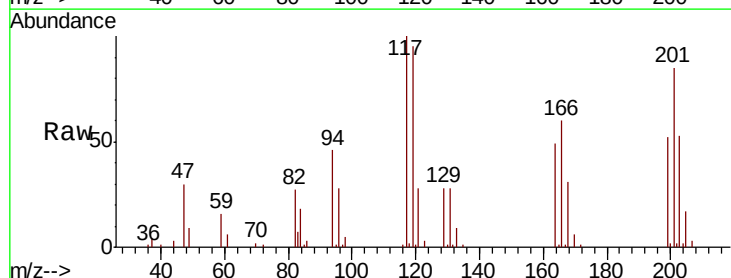
MM Dadoda

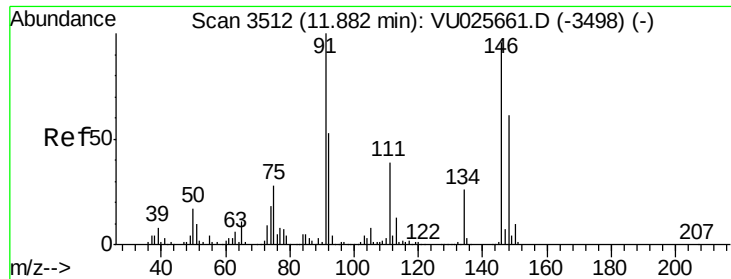
7/31/2018 3:49:31 PM



#90
Hexachloroethane
Concen: 18.10 ug/l
RT: 12.15 min Scan# 3595
Delta R.T. 0.00 min
Lab File: VU025680.D
Acq: 27 Jul 2018 19:36

Tgt Ion	Ratio	Lower	Upper
117	100		
201	86.5	42.5	127.6





#91

1,2-Dichlorobenzene

Concen: 19.32 ug/l

RT: 11.88 min Scan# 3512

Delta R.T. 0.00 min

Lab File: VU025680.D

Acq: 27 Jul 2018 19:36

Instrument :

MSVOA_U

ClientSampleId :

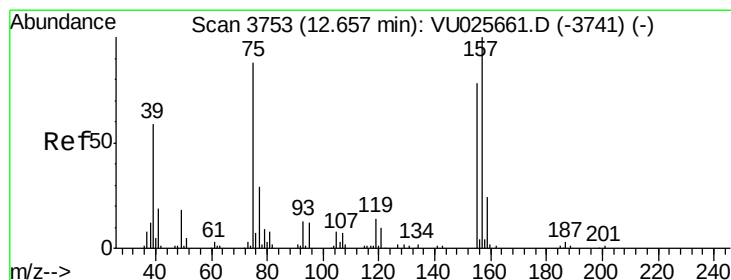
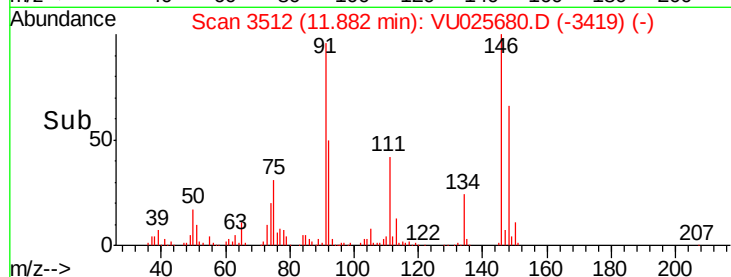
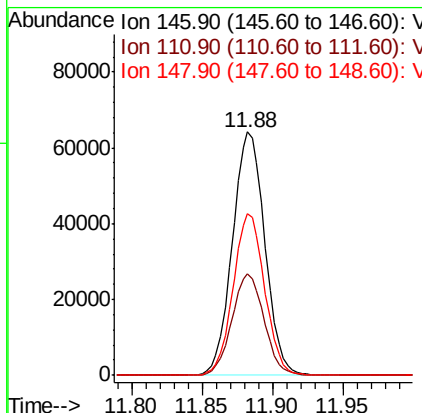
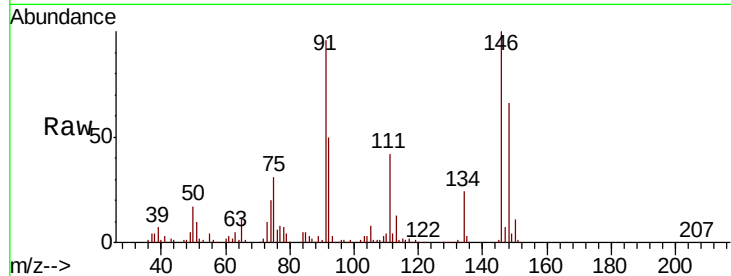
VU0727WBSD01

Tot Ion:	146	Resp:	103404
Ion Ratio	Lower	Upper	
146	100		
111	41.2	20.6	61.8
148	64.6	31.5	94.5

Manual Integrations
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#92

1,2-Dibromo-3-Chloropropane

Concen: 20.97 ug/l

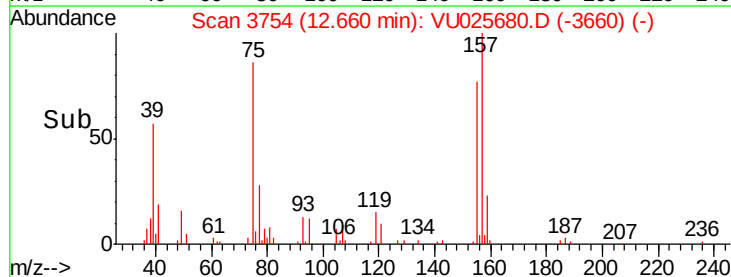
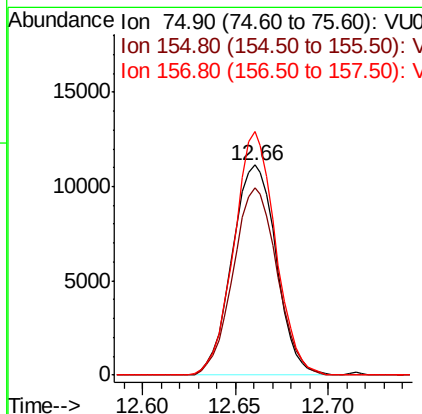
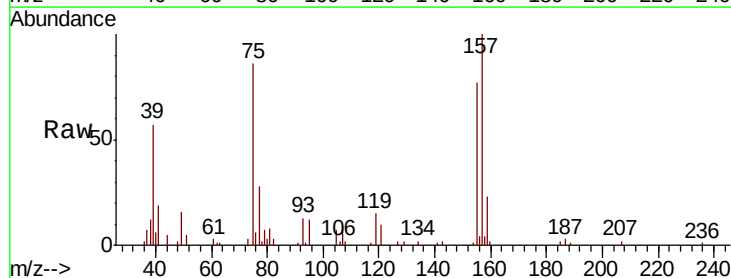
RT: 12.66 min Scan# 3754

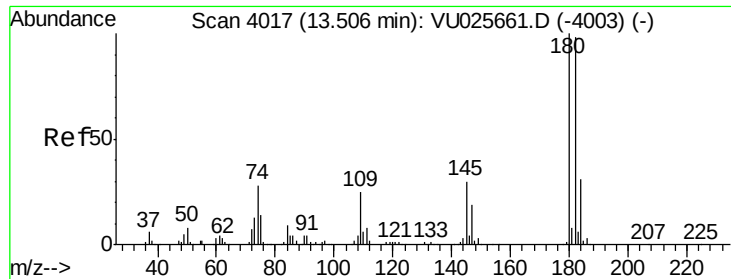
Delta R.T. 0.00 min

Lab File: VU025680.D

Acq: 27 Jul 2018 19:36

Tgt Ion:	75	Resp:	18334
Ion Ratio	Lower	Upper	
75	100		
155	88.9	44.5	133.3
157	109.3	57.0	170.8





#93
 1,2,4-Trichlorobenzene
 Concen: 20.05 ug/l
 RT: 13.51 min Scan# 4017
 Delta R.T. 0.00 min
 Lab File: VU025680.D
 Acq: 27 Jul 2018 19:36

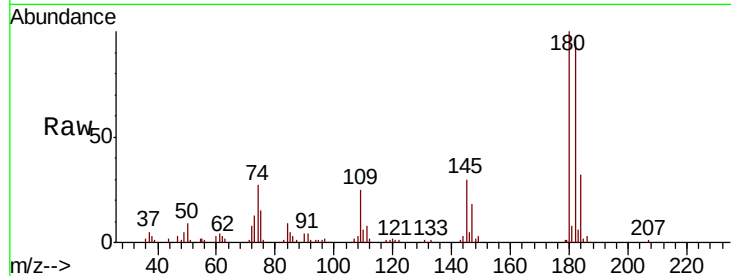
Instrument :
 MSVOA_U
 ClientSampleId :
 VU0727WBSD01

Tot Ion	Ratio	Lower	Upper
180	100		
182	95.7	47.3	141.9
145	29.6	14.9	44.7

Manual Integrations
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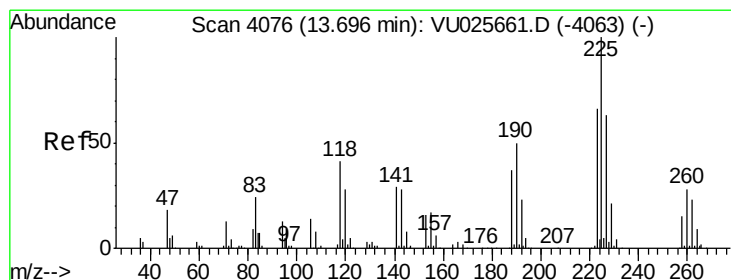
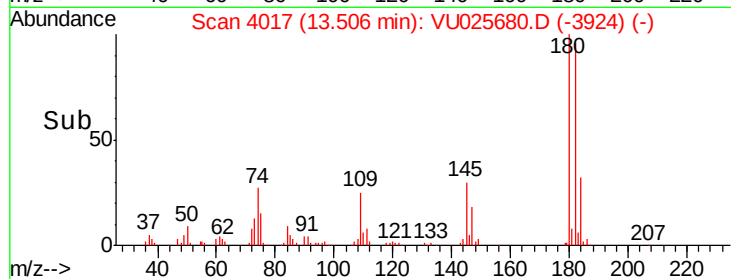
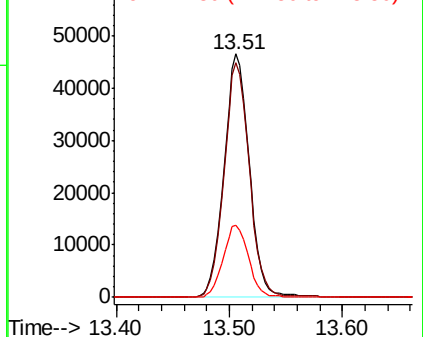


Abundance

Ion 179.80 (179.50 to 180.50): V

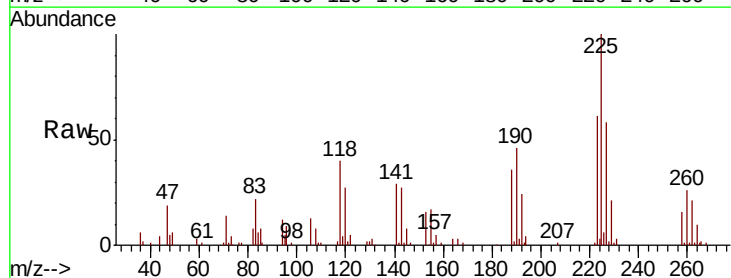
Ion 181.80 (181.50 to 182.50): V

Ion 144.80 (144.50 to 145.50): V



#94
 Hexachlorobutadiene
 Concen: 19.08 ug/l
 RT: 13.70 min Scan# 4076
 Delta R.T. 0.00 min
 Lab File: VU025680.D
 Acq: 27 Jul 2018 19:36

Tgt Ion	Ratio	Lower	Upper
225	100		
223	62.8	31.9	95.7
227	59.6	32.3	96.9

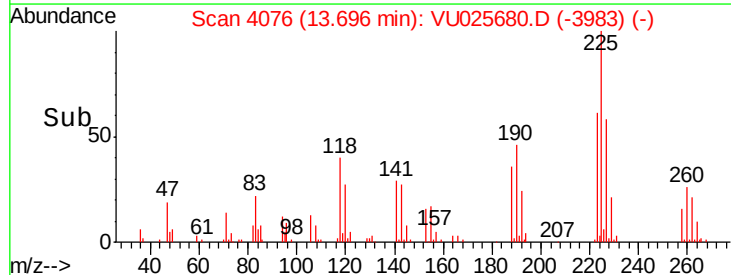
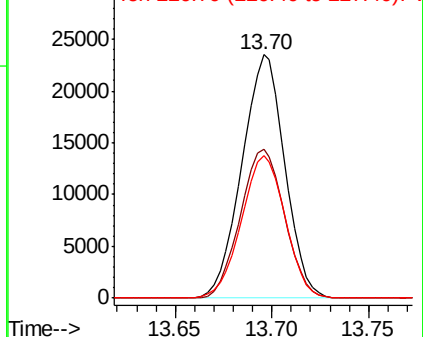


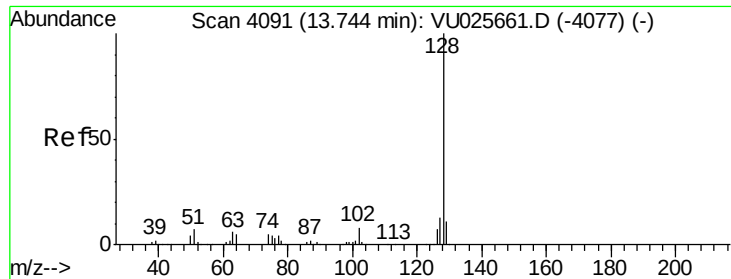
Abundance

Ion 224.70 (224.40 to 225.40): V

Ion 222.70 (222.40 to 223.40): V

Ion 226.70 (226.40 to 227.40): V





#95
Naphthalene
Concen: 19.64 ug/l
RT: 13.75 min Scan# 4092
Delta R.T. 0.00 min
Lab File: VU025680.D
Acq: 27 Jul 2018 19:36

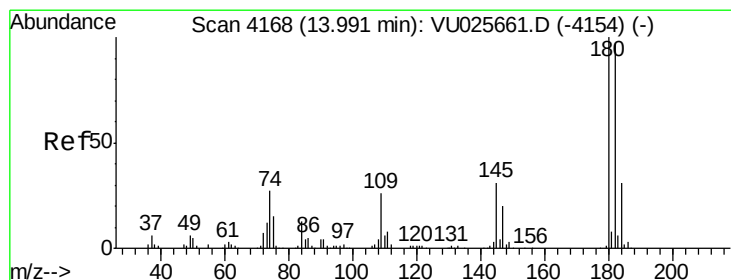
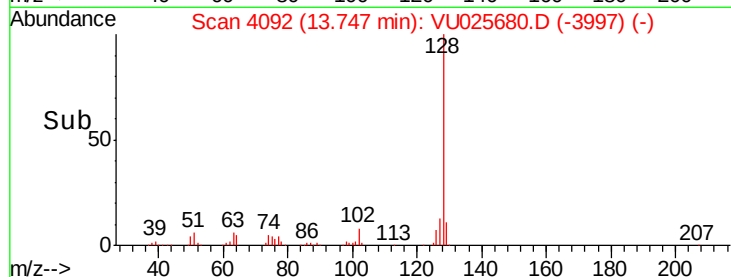
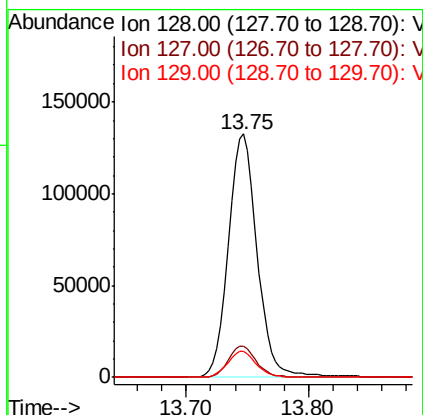
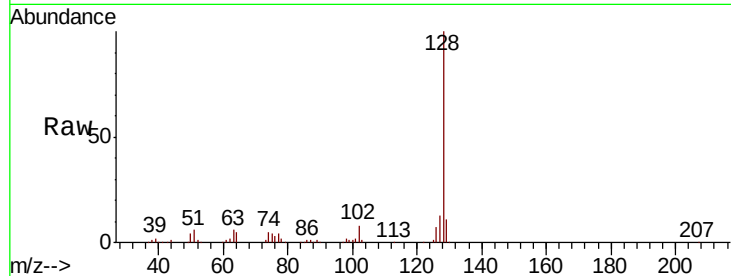
Instrument :
MSVOA_U
ClientSampled :
VU0727WBSD01

Tot Ion	Ratio	Lower	Upper
128	100		
127	12.6	10.5	15.7
129	10.8	8.3	12.5

Manual Integrations
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#96
1,2,3-Trichlorobenzene
Concen: 20.65 ug/l
RT: 13.99 min Scan# 4168
Delta R.T. 0.00 min
Lab File: VU025680.D
Acq: 27 Jul 2018 19:36

Tgt Ion	Ratio	Lower	Upper
180	100		
182	95.7	47.8	143.3
145	30.4	15.6	46.8

