

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW011019\
 Data File : VW008190.D
 Acq On : 11 Jan 2019 11:19
 Operator : SY/AP
 Sample : VSTDCCC050
 Misc : 5.00G/5ML/MSVOA W/SOIL
 ALS Vial : 54 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

MMDadoda
 1/14/2019 10:45:01 PM

Quant Time: Jan 11 11:53:38 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W010819S.M
 Quant Title : SW846 8260
 QLast Update : Wed Jan 09 04:40:48 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	89153	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	163658	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	151224	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	73756	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.30	65	53506	53.40	ug/l	0.00
Spiked Amount	50.000		Recovery	=	106.80%	
35) Dibromofluoromethane	7.88	113	50190	52.58	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.16%	
50) Toluene-d8	10.32	98	193522	48.31	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.62%	
62) 4-Bromofluorobenzene	12.62	95	69197	48.19	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.38%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.01	85	25219	34.660	ug/l	99
3) Chloromethane	2.21	50	39298	41.631	ug/l	93
4) Vinyl Chloride	2.37	62	48660	39.497	ug/l	97
5) Bromomethane	2.78	94	42275	45.806	ug/l	99
6) Chloroethane	2.93	64	35409	38.195	ug/l	99
7) Trichlorofluoromethane	3.26	101	34854	34.798	ug/l	95
8) Diethyl Ether	3.68	74	30886	54.547	ug/l	94
9) 1,1,2-Trichlorotrifluoroet	4.06	101	44001	44.248	ug/l	96
10) Methyl Iodide	4.26	142	76426	52.733	ug/l	99
11) Tert butyl alcohol	5.20	59	19371	323.535	ug/l #	100
12) 1,1-Dichloroethene	4.03	96	44417	45.494	ug/l	88
13) Acrolein	3.89	56	20731	311.134	ug/l	99
14) Allyl chloride	4.67	41	84928	47.911	ug/l	98
15) Acrylonitrile	5.37	53	69933	324.408	ug/l	99
16) Acetone	4.13	43	49430	276.703	ug/l	96
17) Carbon Disulfide	4.37	76	132478	43.437	ug/l	100
18) Methyl Acetate	4.67	43	43590	68.831	ug/l	100
19) Methyl tert-butyl Ether	5.43	73	90235	56.851	ug/l	97
20) Methylene Chloride	4.91	84	54627	55.944	ug/l	95
21) trans-1,2-Dichloroethene	5.42	96	52110	49.115	ug/l	100
22) Diisopropyl ether	6.31	45	176804	52.298	ug/l	99
23) Vinyl Acetate	6.26	43	488268	274.999	ug/l	97
24) 1,1-Dichloroethane	6.21	63	97362	49.428	ug/l	98
25) 2-Butanone	7.17	43	84466	302.975	ug/l	99
26) 2,2-Dichloropropane	7.17	77	51831	38.834	ug/l	98
27) cis-1,2-Dichloroethene	7.16	96	59247	51.181	ug/l	93
28) Bromochloromethane	7.51	49	44019	56.499	ug/l	92
29) Tetrahydrofuran	7.53	42	58915	316.361	ug/l	98
30) Chloroform	7.68	83	98446	52.506	ug/l	94
31) Cyclohexane	7.95	56	79794	37.840	ug/l	99
32) 1,1,1-Trichloroethane	7.87	97	76526	46.908	ug/l	99
36) 1,1-Dichloropropene	8.08	75	73011	43.308	ug/l	98
37) Ethyl Acetate	7.25	43	38308	56.719	ug/l	97
38) Carbon Tetrachloride	8.07	117	68447	44.359	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.34	83	86889	40.648	ug/l	94
40) Benzene	8.32	78	219807	48.072	ug/l	99
41) Methacrylonitrile	7.48	41	25366	59.454	ug/l	96
42) 1,2-Dichloroethane	8.40	62	65857	51.209	ug/l	98
43) Isopropyl Acetate	8.43	43	77454	57.357	ug/l	97
44) Trichloroethene	9.09	130	56427	48.208	ug/l	98
45) 1,2-Dichloropropane	9.37	63	57974	51.134	ug/l	97
46) Dibromomethane	9.46	93	30808	55.330	ug/l	94
47) Bromodichloromethane	9.65	83	73238	51.801	ug/l	100
48) Methyl methacrylate	9.44	41	35334	55.453	ug/l	86
49) 1,4-Dioxane	9.46	88	10477	1170.033	ug/l #	97
51) 4-Methyl-2-Pentanone	10.21	43	192620	294.679	ug/l	99
52) Toluene	10.39	92	137921	47.231	ug/l	98
53) t-1,3-Dichloropropene	10.61	75	74617	50.738	ug/l	98
54) cis-1,3-Dichloropropene	10.07	75	85853	49.230	ug/l	99
55) 1,1,2-Trichloroethane	10.79	97	44314	56.685	ug/l	98
56) Ethyl methacrylate	10.65	69	57085	58.964	ug/l	98
57) 1,3-Dichloropropane	10.93	76	77878	54.471	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.93	63	149281	298.508	ug/l	99
59) 2-Hexanone	10.97	43	131713	297.969	ug/l	99
60) Dibromochloromethane	11.13	129	50127	58.392	ug/l	99
61) 1,2-Dibromoethane	11.24	107	43530	58.683	ug/l	100
64) Tetrachloroethene	10.86	164	50489	51.302	ug/l	96
65) Chlorobenzene	11.66	112	157221	49.073	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.73	131	54305	52.114	ug/l	99
67) Ethyl Benzene	11.73	91	266363	45.438	ug/l	97
68) m/p-Xylenes	11.84	106	208530	93.199	ug/l	97
69) o-Xylene	12.17	106	99700	48.118	ug/l	96
70) Styrene	12.18	104	166707	51.367	ug/l	97
71) Bromoform	12.35	173	29243	62.704	ug/l #	98
73) Isopropylbenzene	12.47	105	259394	44.796	ug/l	100
74) N-amyl acetate	12.27	43	70331	54.846	ug/l	100
75) 1,1,2,2-Tetrachloroethane	12.72	83	52413	56.549	ug/l	100
76) 1,2,3-Trichloropropane	12.77	75	38263m	56.908	ug/l	
77) Bromobenzene	12.75	156	61492	50.258	ug/l	93
78) n-propylbenzene	12.81	91	314093	44.269	ug/l	99
79) 2-Chlorotoluene	12.90	91	181401	45.827	ug/l	98
80) 1,3,5-Trimethylbenzene	12.94	105	218724	45.966	ug/l	98
81) trans-1,4-Dichloro-2-buten	12.51	75	15221	52.717	ug/l	98
82) 4-Chlorotoluene	12.99	91	188984	45.331	ug/l	98
83) tert-Butylbenzene	13.21	119	193915	46.063	ug/l	97
84) 1,2,4-Trimethylbenzene	13.26	105	224129	45.669	ug/l	98
85) sec-Butylbenzene	13.39	105	272507	44.191	ug/l	99
86) p-Isopropyltoluene	13.50	119	237100	44.525	ug/l	98
87) 1,3-Dichlorobenzene	13.51	146	123841	49.896	ug/l	98
88) 1,4-Dichlorobenzene	13.58	146	121791	48.909	ug/l	98
89) n-Butylbenzene	13.83	91	220093	42.200	ug/l	99
90) Hexachloroethane	14.10	117	43416	48.270	ug/l	92
91) 1,2-Dichlorobenzene	13.88	146	112754	51.692	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.49	75	8878	59.519	ug/l	94

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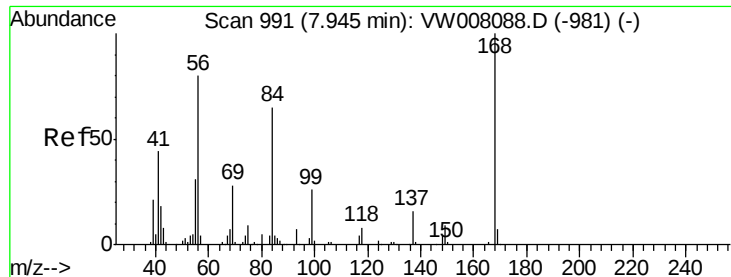
Manual Integrations
APPROVED

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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)
93) 1,2,4-Trichlorobenzene	15.14	180	72880	50.325	ug/l	98
94) Hexachlorobutadiene	15.24	225	37468	48.338	ug/l	99
95) Naphthalene	15.37	128	154643	57.189	ug/l	99
96) 1,2,3-Trichlorobenzene	15.57	180	66760	54.077	ug/l	97

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.00 min

Lab File: VW008190.D

Acq: 11 Jan 2019 11:19

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

Tot Ion:168 Resp: 89153

Ion Ratio Lower Upper

168 100

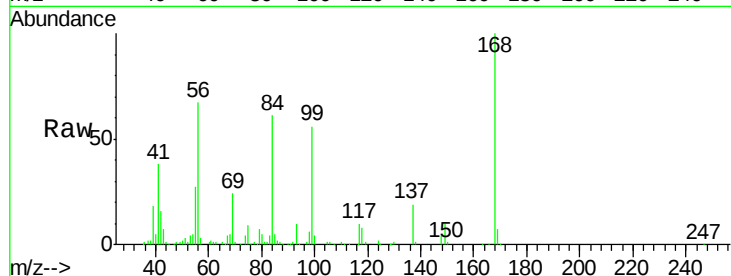
99 56.0 52.6 78.8

Manual Integrations

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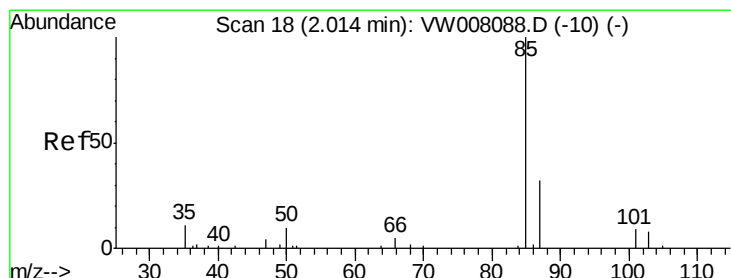
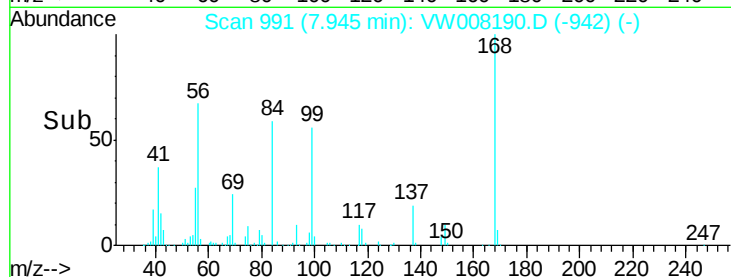
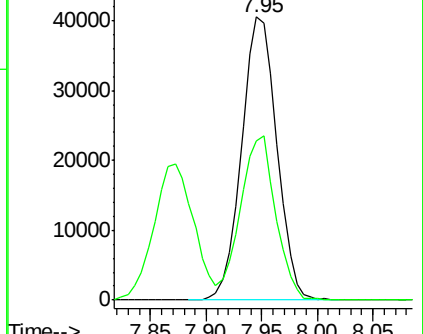
MMDadoda

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW



#2

Dichlorodifluoromethane

Concen: 34.660 ug/l

RT: 2.01 min Scan# 18

Delta R.T. -0.00 min

Lab File: VW008190.D

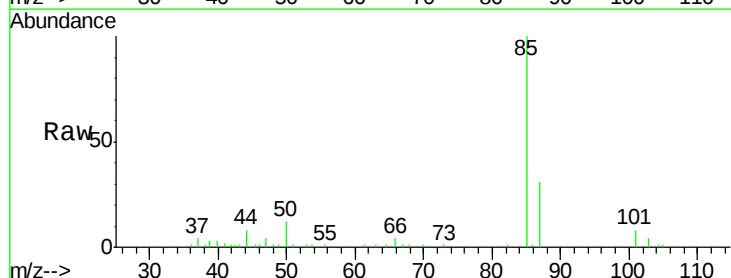
Acq: 11 Jan 2019 11:19

Tgt Ion: 85 Resp: 25219

Ion Ratio Lower Upper

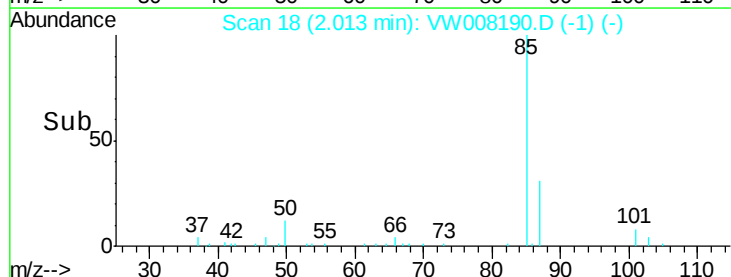
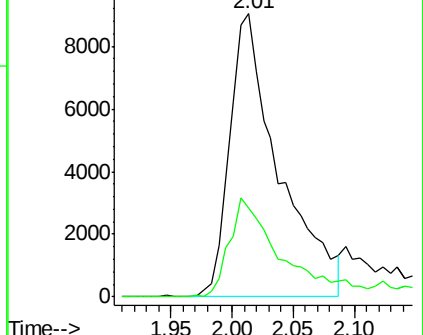
85 100

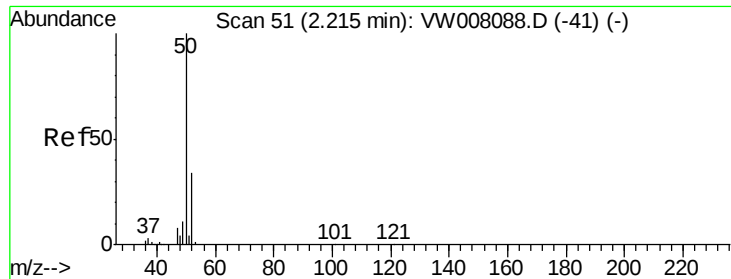
87 31.4 16.1 48.3



Abundance Ion 84.90 (84.60 to 85.60): VW

Ion 86.90 (86.60 to 87.60): VW





#3

Chloromethane

Concen: 41.631 ug/l

RT: 2.21 min Scan# 51

Delta R.T. -0.00 min

Lab File: VW008190.D

Acq: 11 Jan 2019 11:19

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

Tot Ion: 50 Resp: 39298

Ion Ratio Lower Upper

50 100

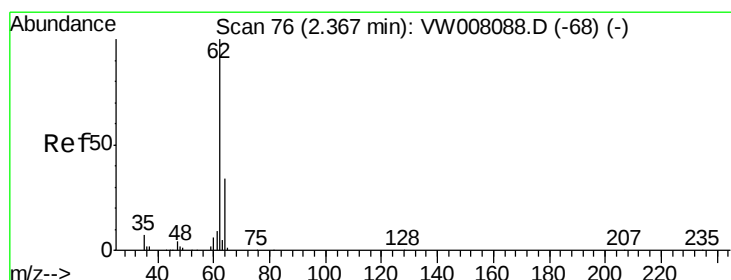
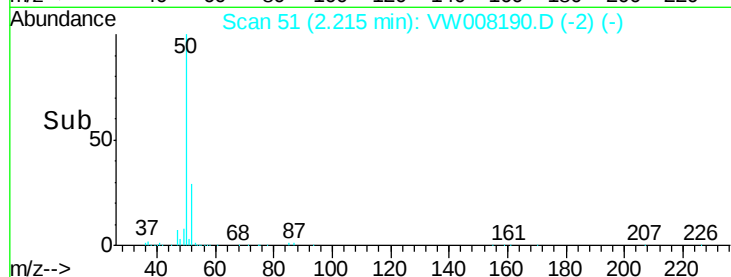
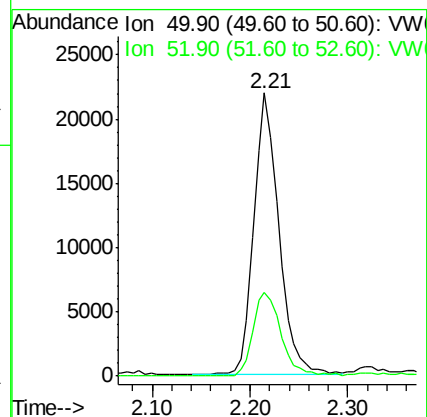
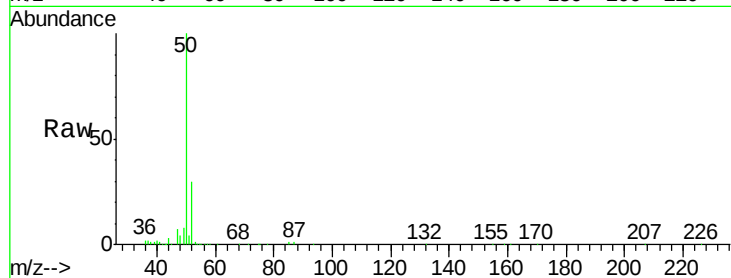
52 29.8 26.8 40.2

Manual Integrations

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#4

Vinyl Chloride

Concen: 39.497 ug/l

RT: 2.37 min Scan# 76

Delta R.T. -0.00 min

Lab File: VW008190.D

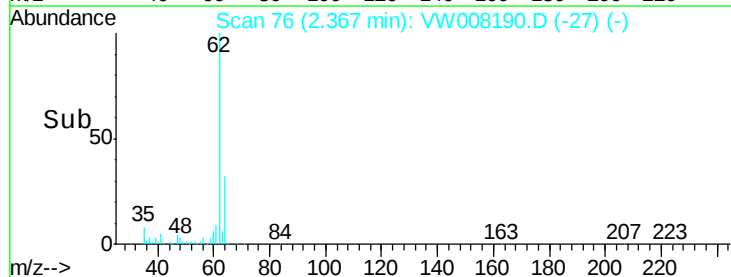
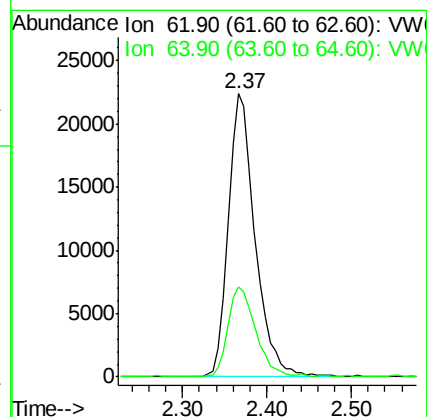
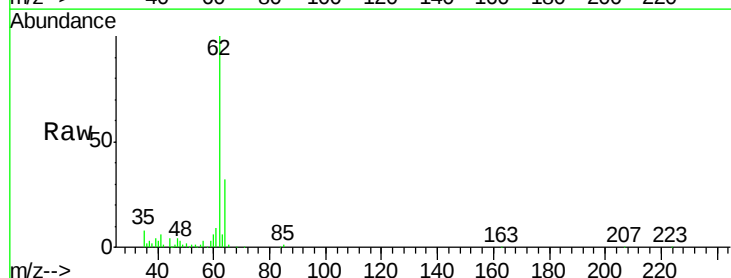
Acq: 11 Jan 2019 11:19

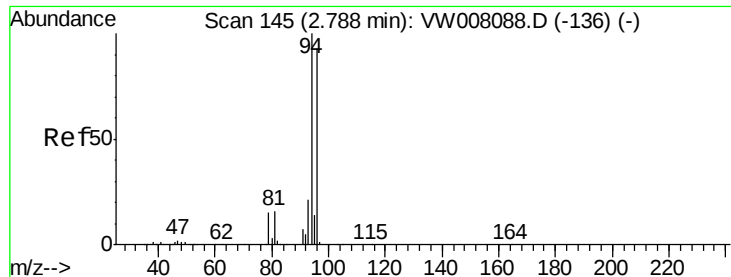
Tgt Ion: 62 Resp: 48660

Ion Ratio Lower Upper

62 100

64 31.9 27.0 40.6





#5

Bromomethane

Concen: 45.806 ug/l

RT: 2.78 min Scan# 144

Delta R.T. -0.01 min

Lab File: VW008190.D

Acq: 11 Jan 2019 11:19

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

Tot Ion: 94 Resp: 42275

Ion Ratio Lower Upper

94 100

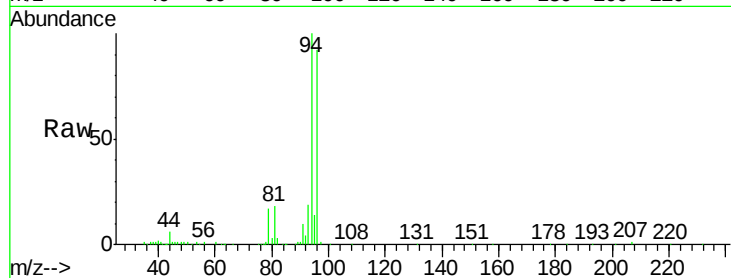
96 91.7 74.1 111.1

Manual Integrations

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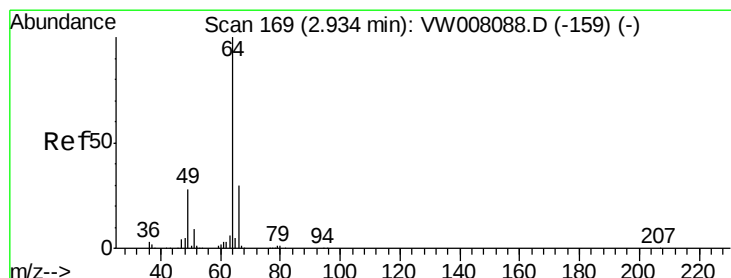
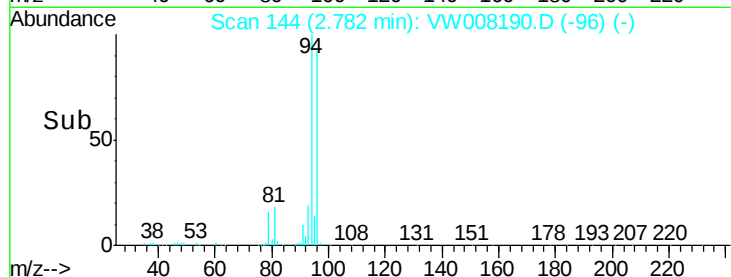
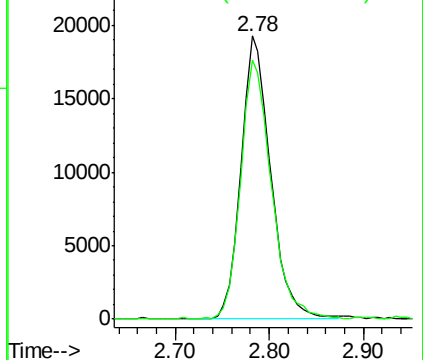
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Abundance Ion 93.90 (93.60 to 94.60): VW

Ion 95.90 (95.60 to 96.60): VW



#6

Chloroethane

Concen: 38.195 ug/l

RT: 2.93 min Scan# 168

Delta R.T. -0.01 min

Lab File: VW008190.D

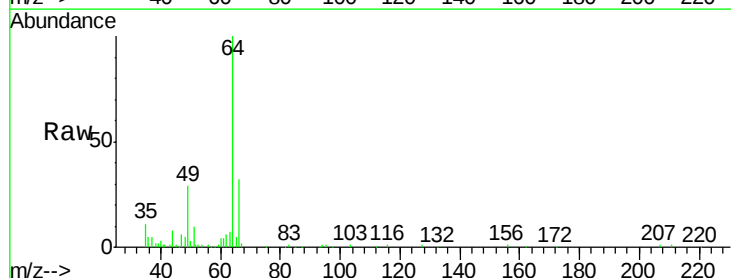
Acq: 11 Jan 2019 11:19

Tgt Ion: 64 Resp: 35409

Ion Ratio Lower Upper

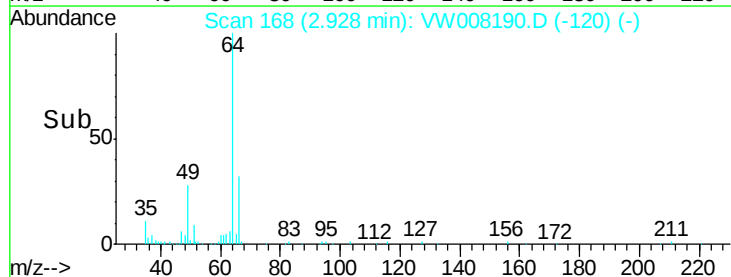
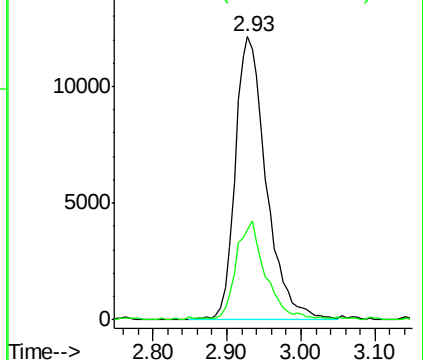
64 100

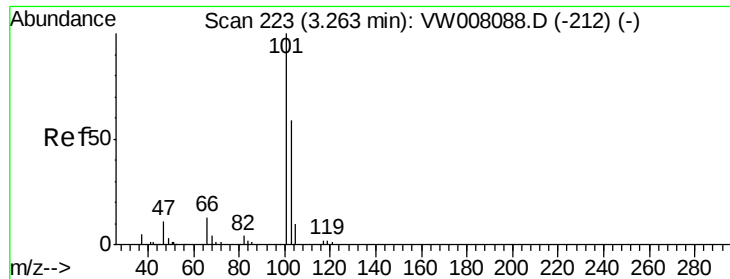
66 30.9 24.2 36.2



Abundance Ion 63.90 (63.60 to 64.60): VW

Ion 65.90 (65.60 to 66.60): VW





#7

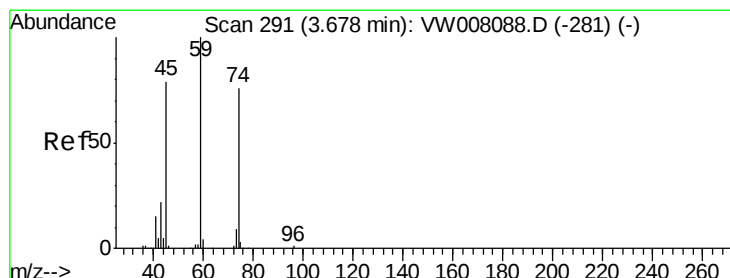
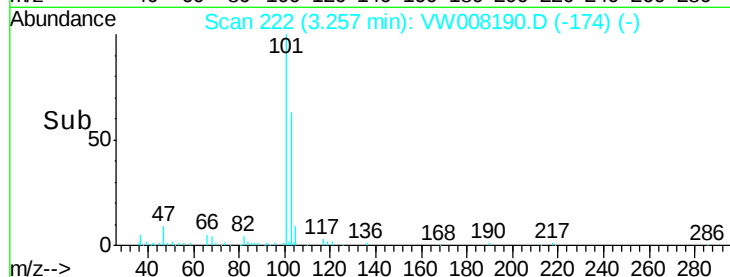
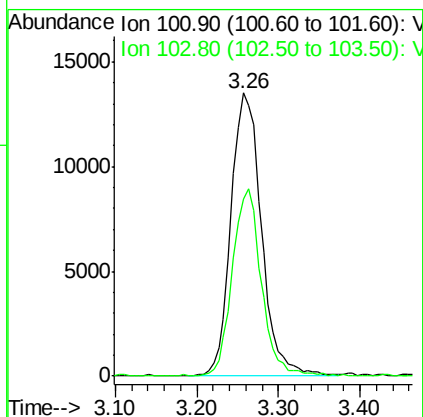
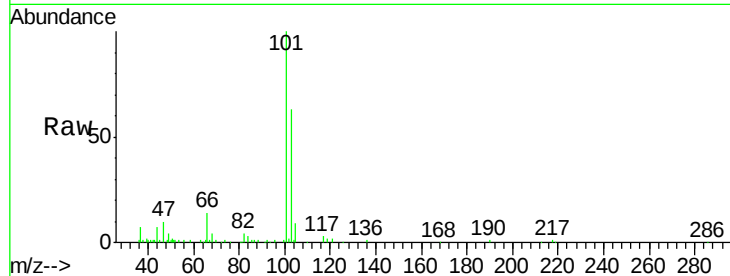
Trichlorofluoromethane
 Concen: 34.798 ug/l
 RT: 3.26 min Scan# 222
 Delta R.T. -0.01 min
 Lab File: VW008190.D
 Acq: 11 Jan 2019 11:19

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Tot Ion	Ion	Ratio	Resp	Lower	Upper
101	100		34854		
103	62.7	47.0	70.6		

Manual Integrations
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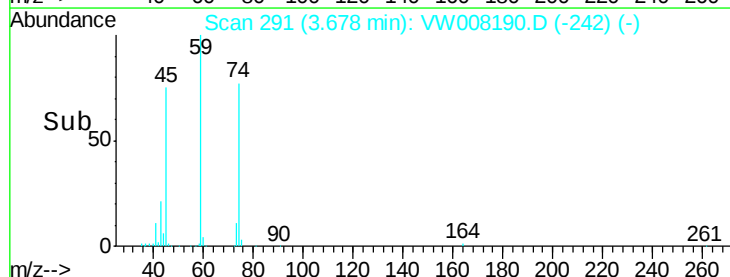
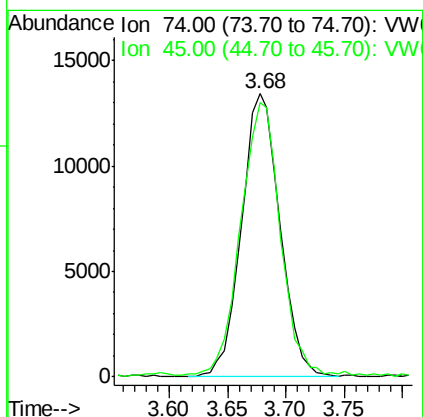
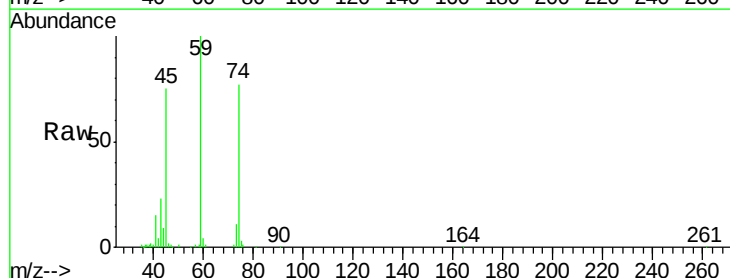
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 1/14/2019 10:45:01 PM

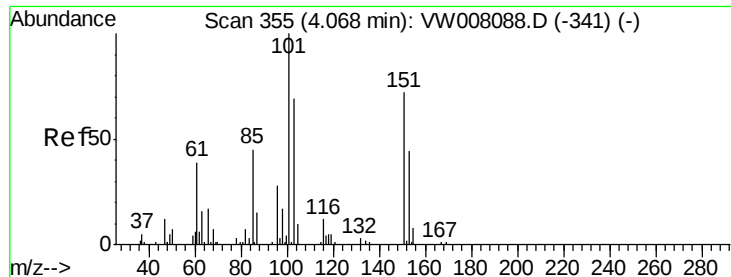


#8

Diethyl Ether
 Concen: 54.547 ug/l
 RT: 3.68 min Scan# 291
 Delta R.T. -0.00 min
 Lab File: VW008190.D
 Acq: 11 Jan 2019 11:19

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
74	100		30886		
45	98.5	52.4	157.3		





#9

1,1,2-Trichlorotrifluoroethane

Concen: 44.248 ug/l

RT: 4.06 min Scan# 353

Delta R.T. -0.01 min

Lab File: VW008190.D

Acq: 11 Jan 2019 11:19

Instrument :

MSVOA_W

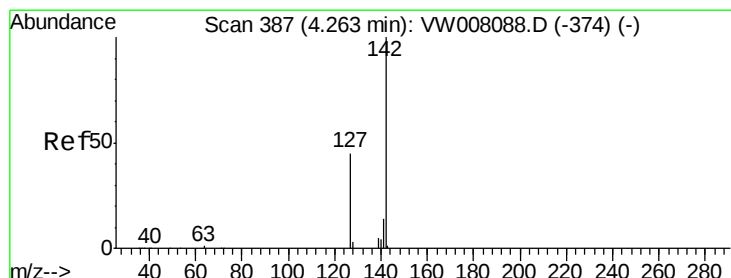
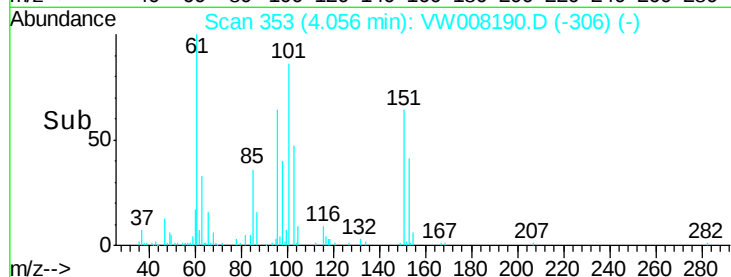
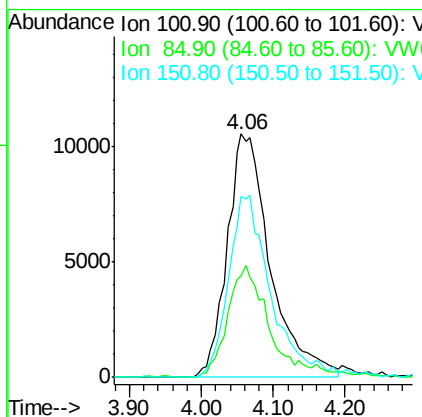
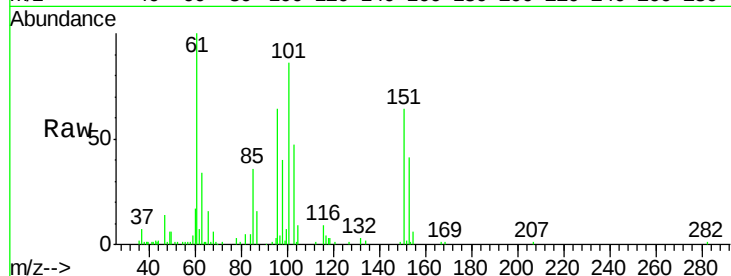
ClientSampleId :

VSTDCCC050EC

Tot Ion:	101	Resp:	44001
Ion Ratio	Lower	Upper	
101	100		
85	42.3	35.9	53.9
151	72.9	55.8	83.8

Manual Integrations
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#10

Methyl Iodide

Concen: 52.733 ug/l

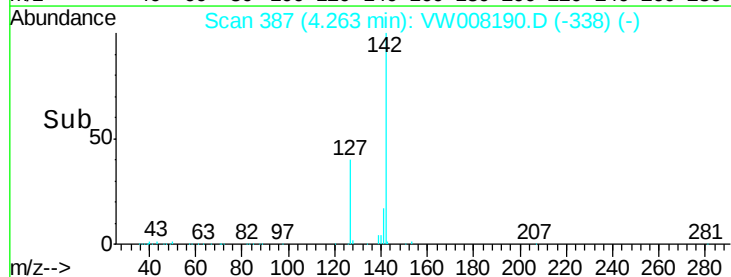
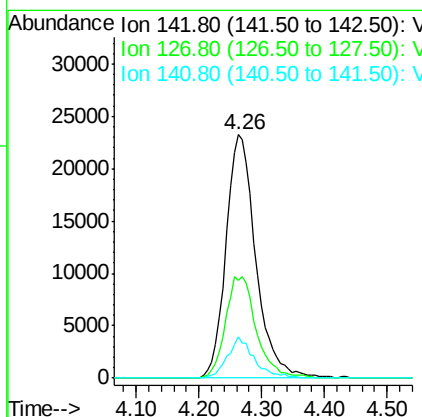
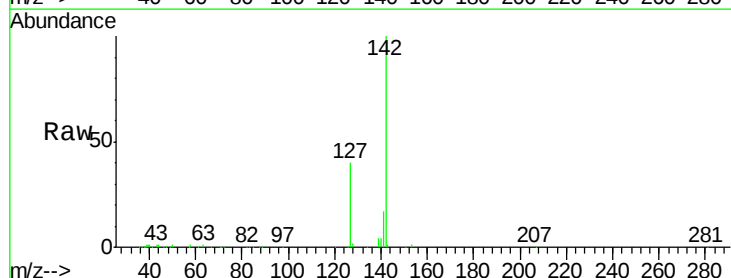
RT: 4.26 min Scan# 387

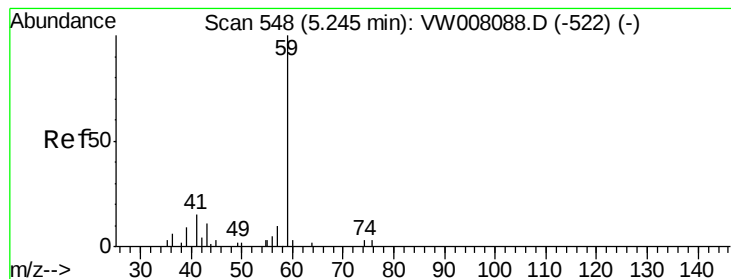
Delta R.T. -0.00 min

Lab File: VW008190.D

Acq: 11 Jan 2019 11:19

Tgt Ion:	142	Resp:	76426
Ion Ratio	Lower	Upper	
142	100		
127	43.2	35.0	52.4
141	15.1	11.8	17.6





#11

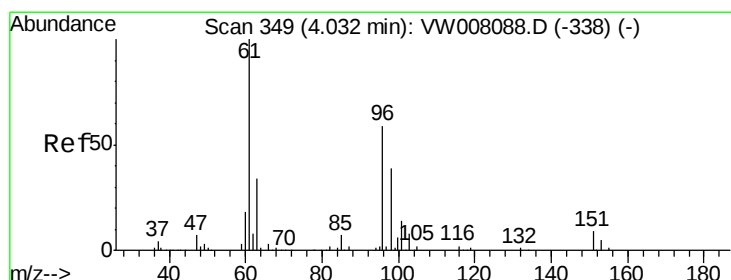
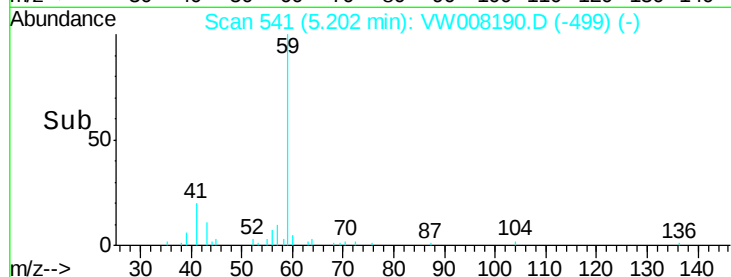
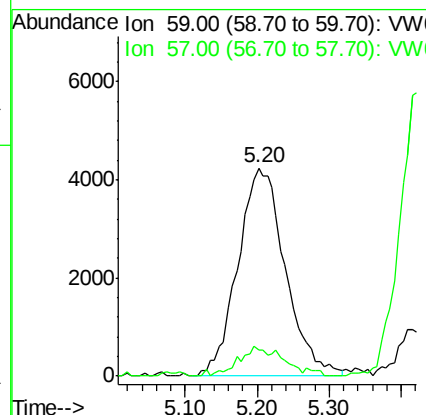
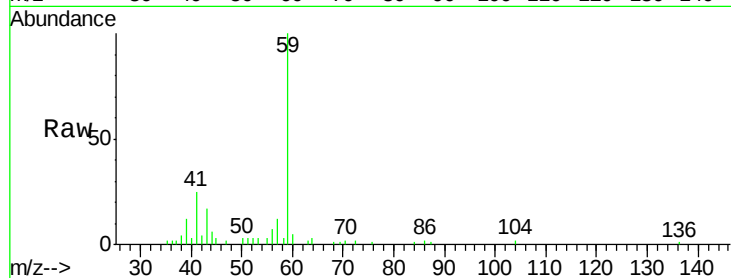
Tert butyl alcohol
 Concen: 323.535 ug/l
 RT: 5.20 min Scan# 541
 Delta R.T. -0.04 min
 Lab File: VW008190.D
 Acq: 11 Jan 2019 11:19

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
59	100		
57	8.0	0.0	0.0#

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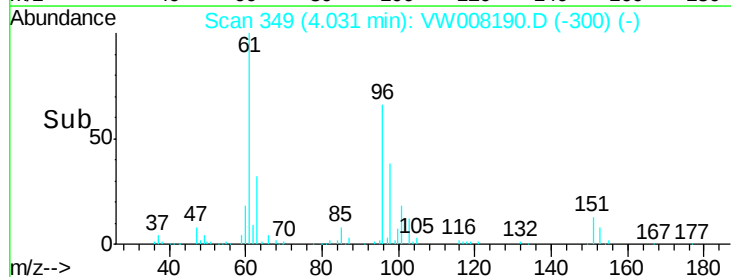
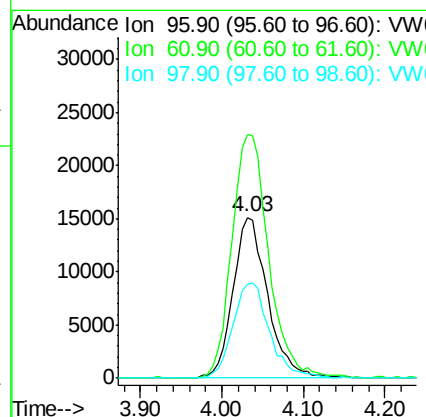
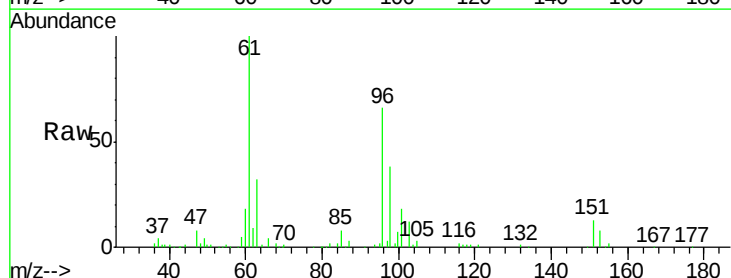
MMDadoda
 1/14/2019 10:45:01 PM

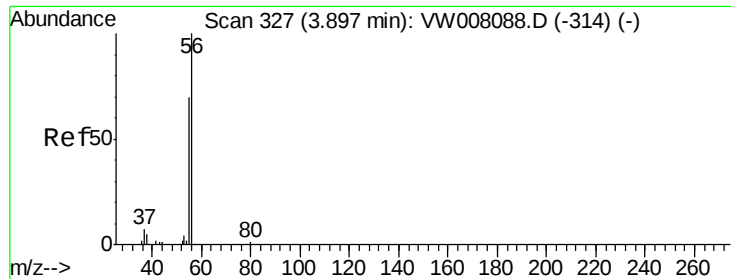


#12

1,1-Dichloroethene
 Concen: 45.494 ug/l
 RT: 4.03 min Scan# 349
 Delta R.T. -0.00 min
 Lab File: VW008190.D
 Acq: 11 Jan 2019 11:19

Tgt Ion	Ratio	Lower	Upper
96	100		
61	151.3	135.4	203.2
98	58.1	52.5	78.7





#13

Acrolein

Concen: 311.134 ug/l

RT: 3.89 min Scan# 326

Delta R.T. -0.01 min

Lab File: VW008190.D

Acq: 11 Jan 2019 11:19

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

Tot Ion: 56 Resp: 20731

Ion Ratio Lower Upper

56 100

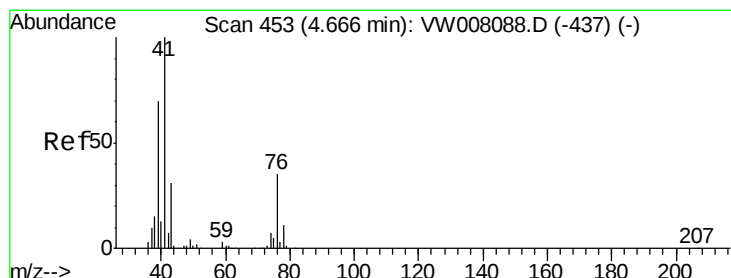
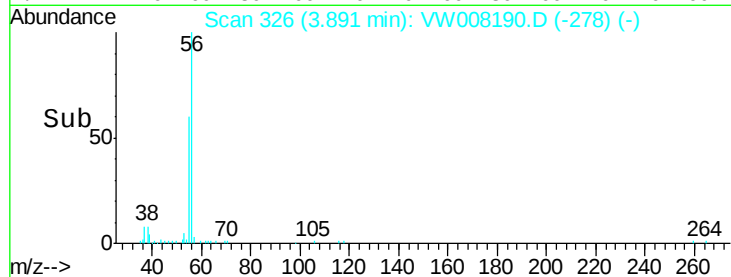
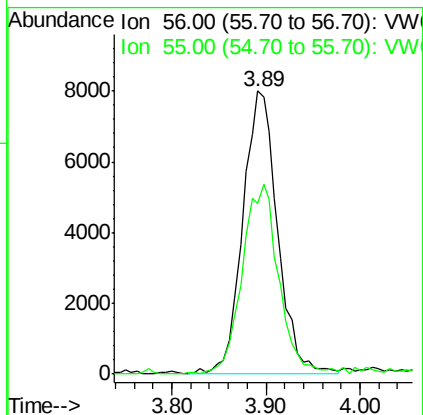
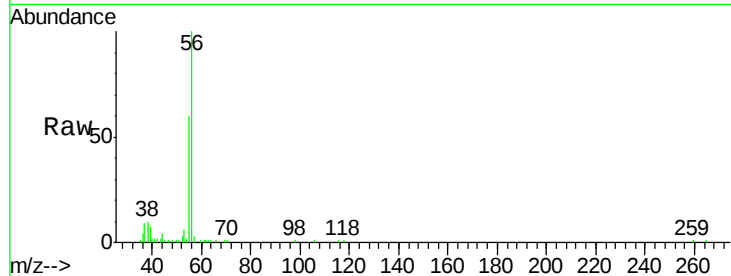
55 70.0 56.6 84.8

Manual Integrations

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#14

Allyl chloride

Concen: 47.911 ug/l

RT: 4.67 min Scan# 453

Delta R.T. -0.00 min

Lab File: VW008190.D

Acq: 11 Jan 2019 11:19

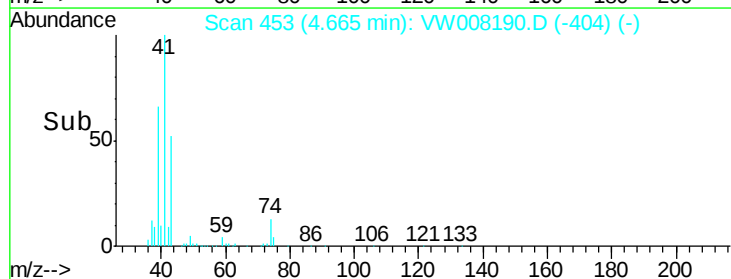
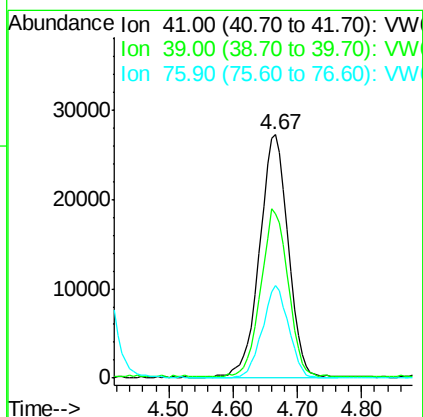
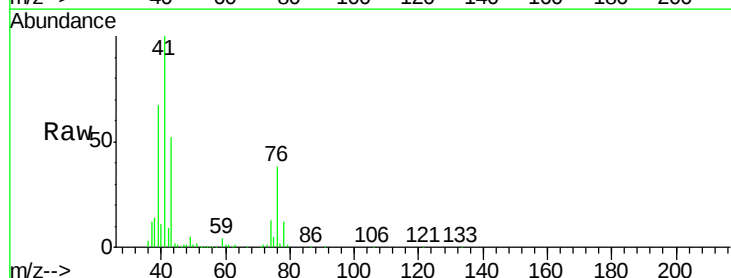
Tgt Ion: 41 Resp: 84928

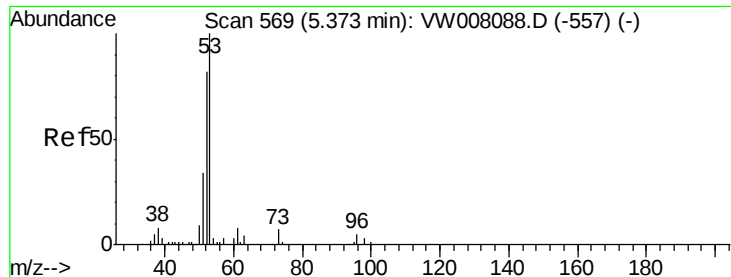
Ion Ratio Lower Upper

41 100

39 65.1 53.8 80.8

76 34.9 27.6 41.4





#15

Acrylonitrile

Concen: 324.408 ug/l

RT: 5.37 min Scan# 569

Delta R.T. -0.00 min

Lab File: VW008190.D

Acq: 11 Jan 2019 11:19

Instrument :

MSVOA_W

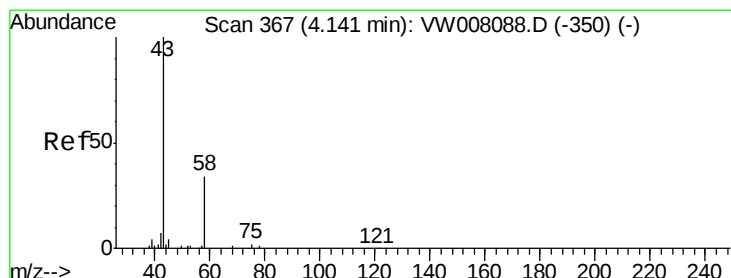
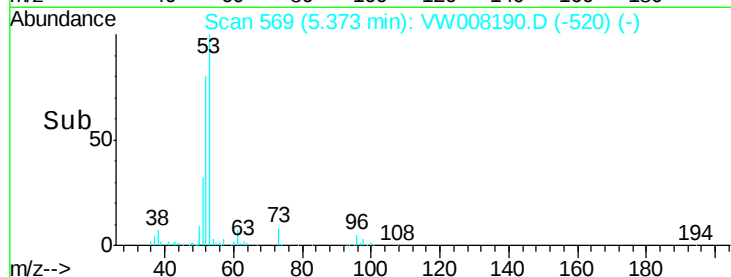
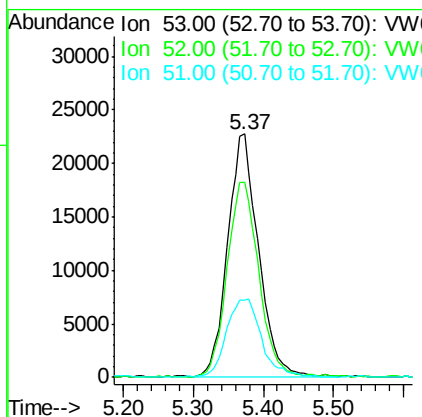
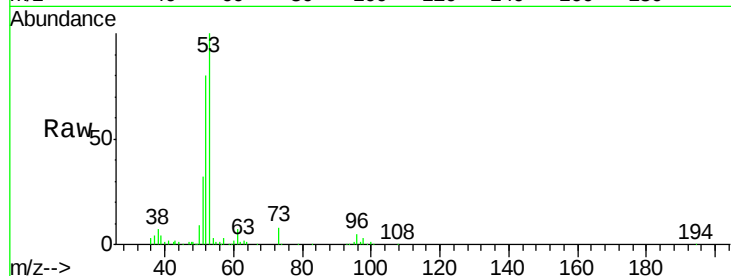
ClientSampleId :

VSTDCCC050EC

Tot Ion:	53	Resp:	69933
Ion	Ratio	Lower	Upper
53	100		
52	82.4	66.8	100.2
51	36.2	29.7	44.5

Manual Integrations
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#16

Acetone

Concen: 276.703 ug/l

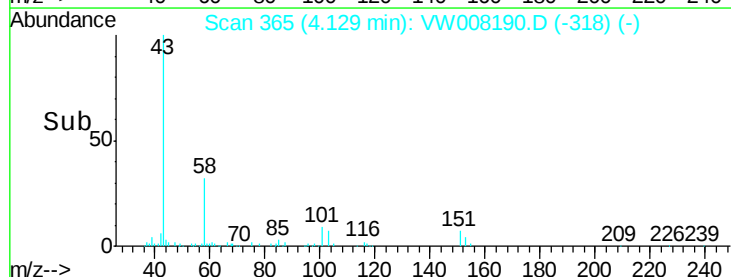
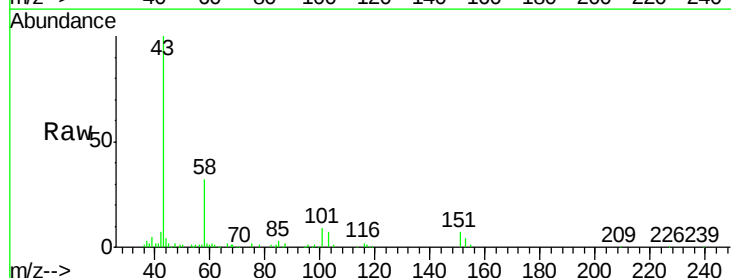
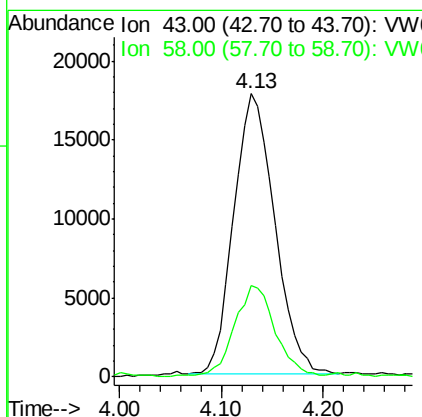
RT: 4.13 min Scan# 365

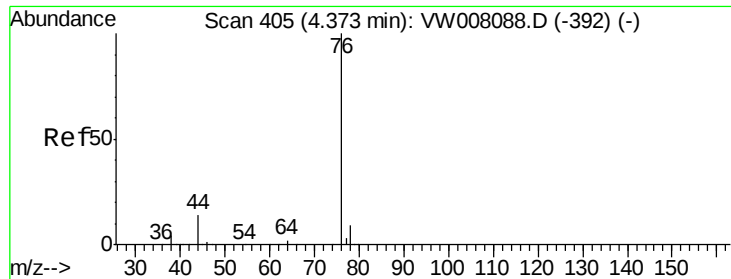
Delta R.T. -0.01 min

Lab File: VW008190.D

Acq: 11 Jan 2019 11:19

Tgt Ion:	43	Resp:	49430
Ion	Ratio	Lower	Upper
43	100		
58	31.8	27.5	41.3





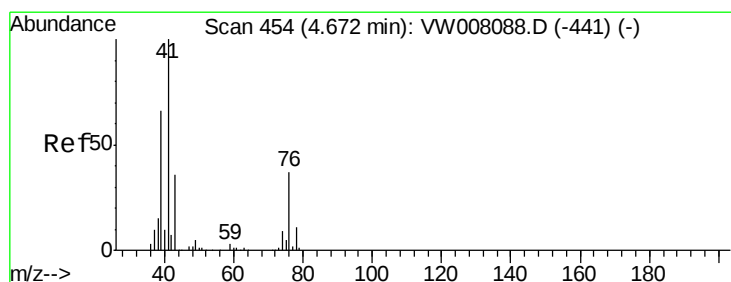
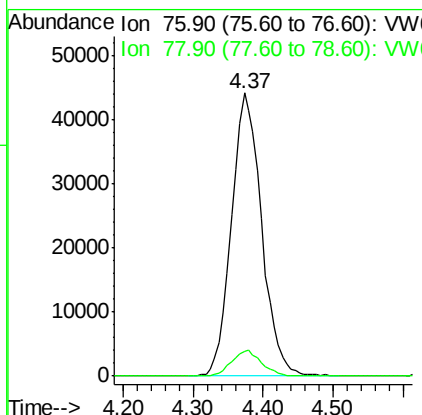
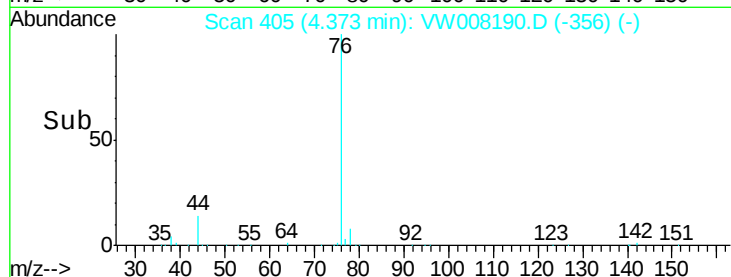
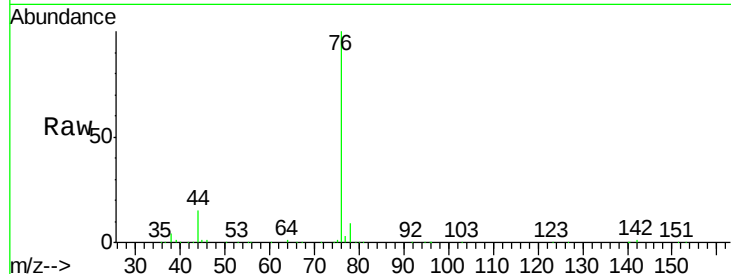
#17
Carbon Disulfide
Concen: 43.437 ug/l
RT: 4.37 min Scan# 405
Delta R.T. -0.00 min
Lab File: VW008190.D
Acq: 11 Jan 2019 11:19

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
76	100		
78	8.8	7.0	10.6

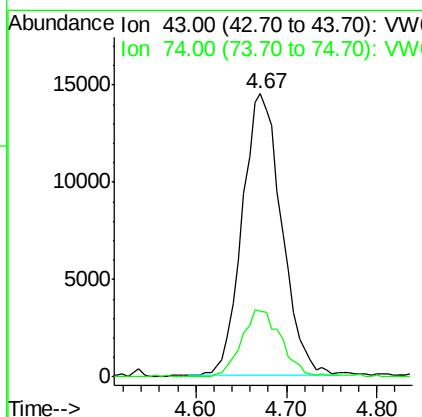
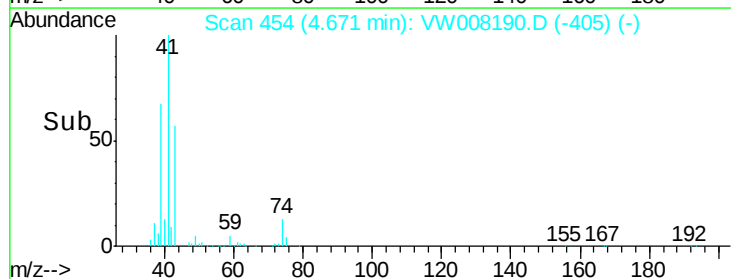
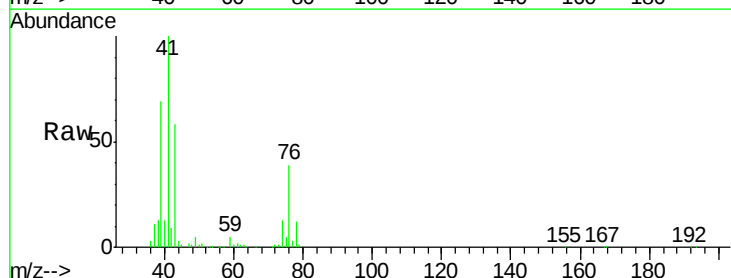
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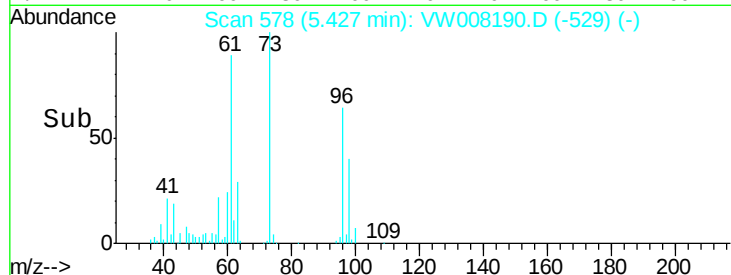
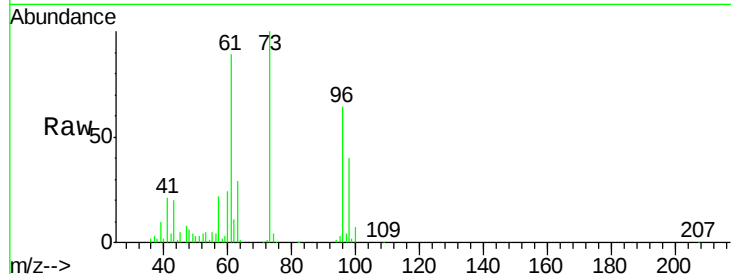
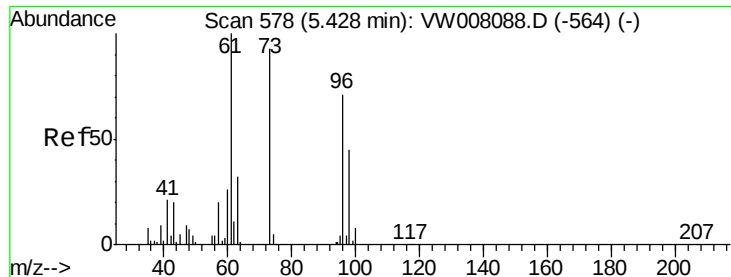
MMDadoda
1/14/2019 10:45:01 PM



#18
Methyl Acetate
Concen: 68.831 ug/l
RT: 4.67 min Scan# 454
Delta R.T. -0.00 min
Lab File: VW008190.D
Acq: 11 Jan 2019 11:19

Tgt Ion	Ratio	Lower	Upper
43	100		
74	23.7	19.0	28.4





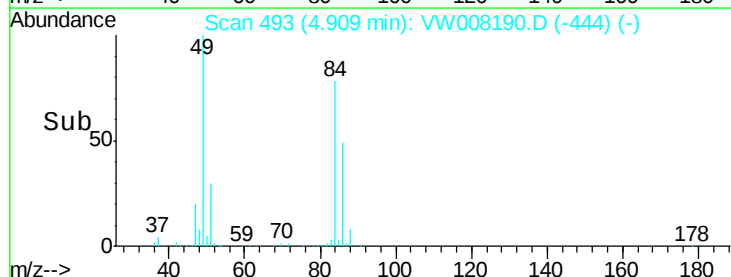
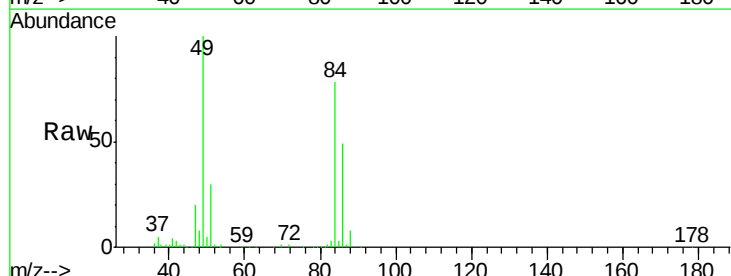
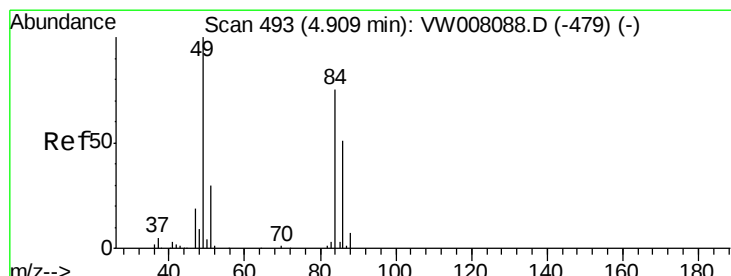
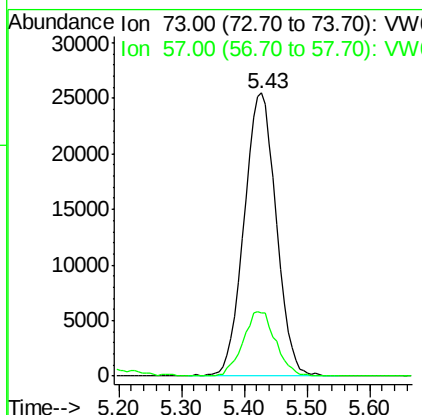
#19
Methyl tert-butyl Ether
Concen: 56.851 ug/l
RT: 5.43 min Scan# 578
Delta R.T. -0.00 min
Lab File: VW008190.D
Acq: 11 Jan 2019 11:19

Tot Ion: 73 Resp: 90235
Ion Ratio Lower Upper
73 100
57 22.4 16.7 25.1

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

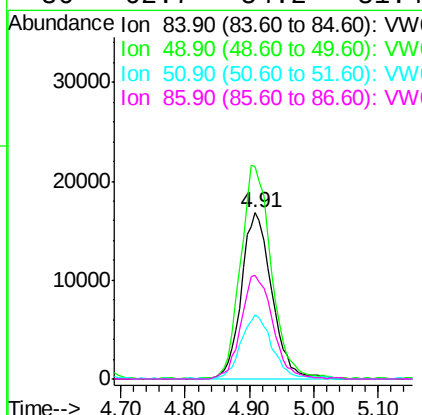
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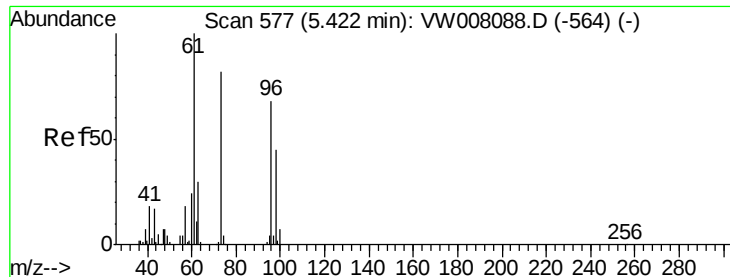
MMDadoda
1/14/2019 10:45:01 PM



#20
Methylene Chloride
Concen: 55.944 ug/l
RT: 4.91 min Scan# 493
Delta R.T. 0.00 min
Lab File: VW008190.D
Acq: 11 Jan 2019 11:19

Tgt Ion: 84 Resp: 54627
Ion Ratio Lower Upper
84 100
49 128.4 107.1 160.7
51 38.9 32.4 48.6
86 62.7 54.2 81.4





#21

trans-1,2-Dichloroethene

Concen: 49.115 ug/l

RT: 5.42 min Scan# 577

Delta R.T. -0.00 min

Lab File: VW008190.D

Acq: 11 Jan 2019 11:19

Instrument :

MSVOA_W

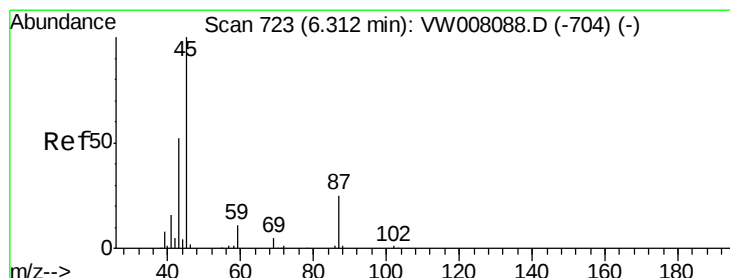
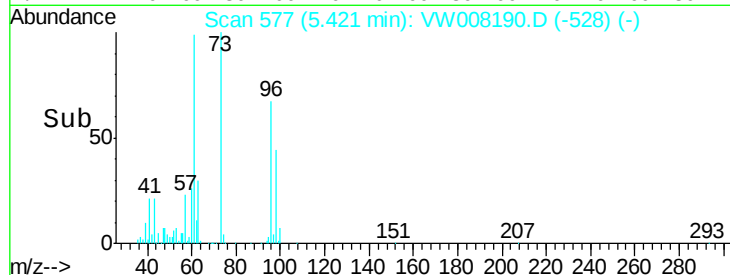
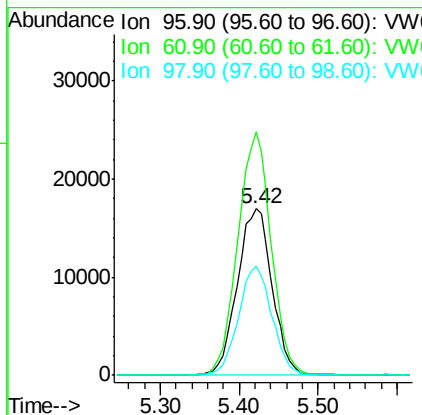
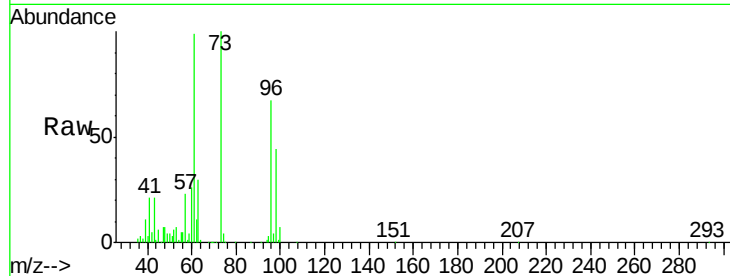
ClientSampleId :

VSTDCCC050EC

Tot Ion:	96	Resp:	52110
Ion	Ratio	Lower	Upper
96	100		
61	146.5	117.4	176.0
98	65.9	52.2	78.4

Manual Integrations
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#22

Diisopropyl ether

Concen: 52.298 ug/l

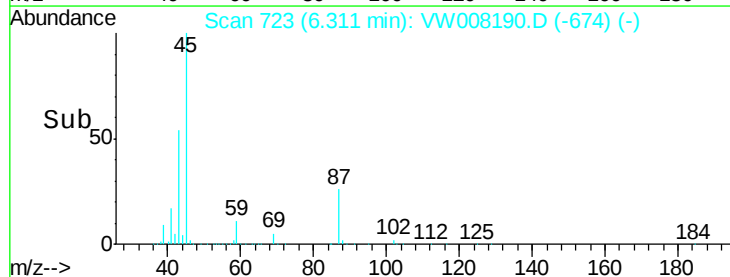
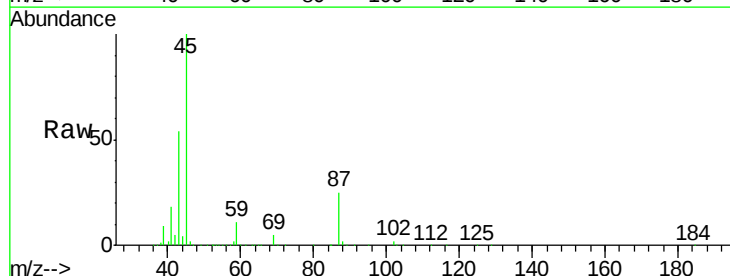
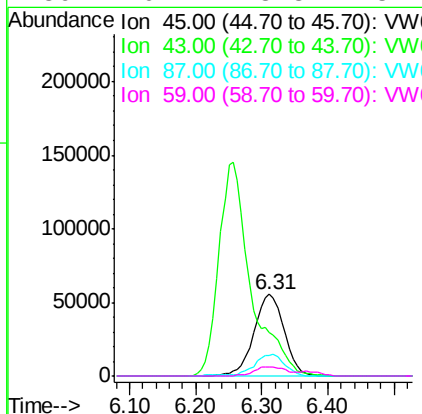
RT: 6.31 min Scan# 723

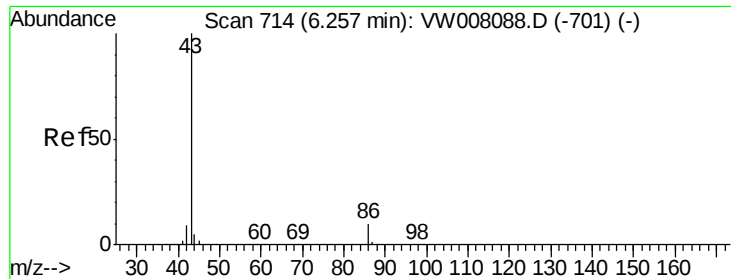
Delta R.T. -0.00 min

Lab File: VW008190.D

Acq: 11 Jan 2019 11:19

Tgt Ion:	45	Resp:	176804
Ion	Ratio	Lower	Upper
45	100		
43	53.3	41.7	62.5
87	25.4	20.1	30.1
59	10.7	8.8	13.2





#23

Vinyl Acetate

Concen: 274.999 ug/l

RT: 6.26 min Scan# 714

Delta R.T. -0.00 min

Lab File: VW008190.D

Acq: 11 Jan 2019 11:19

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

Tot Ion: 43 Resp: 488268

Ion Ratio Lower Upper

43 100

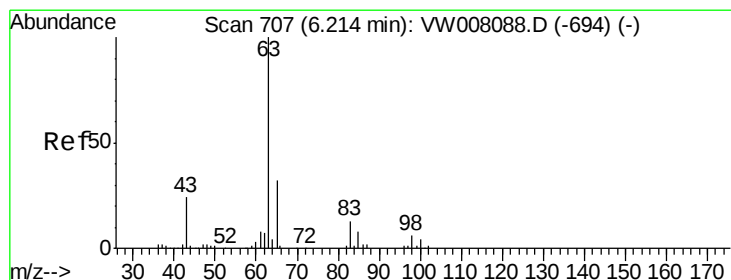
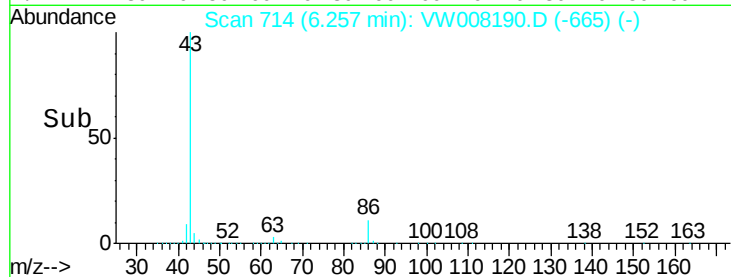
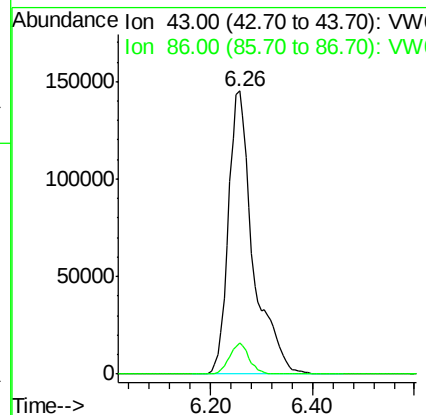
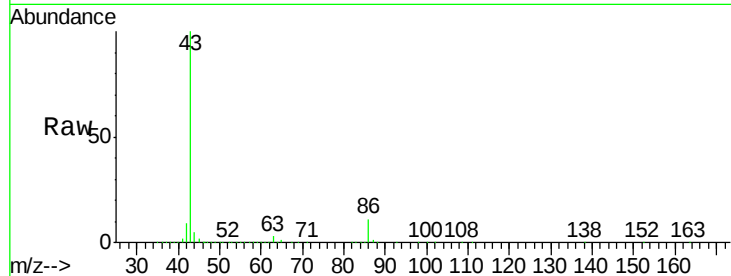
86 10.8 7.7 11.5

Manual Integrations

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1/14/2019 10:45:01 PM



#24

1,1-Dichloroethane

Concen: 49.428 ug/l

RT: 6.21 min Scan# 707

Delta R.T. -0.00 min

Lab File: VW008190.D

Acq: 11 Jan 2019 11:19

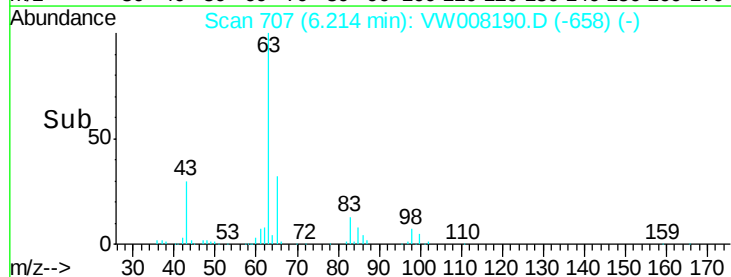
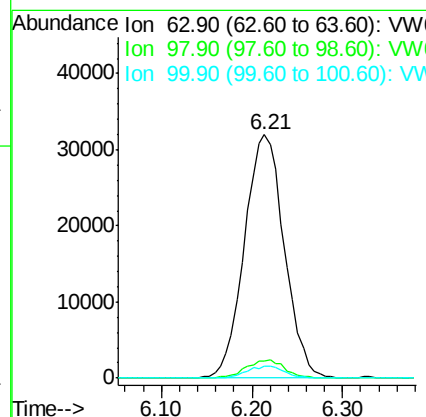
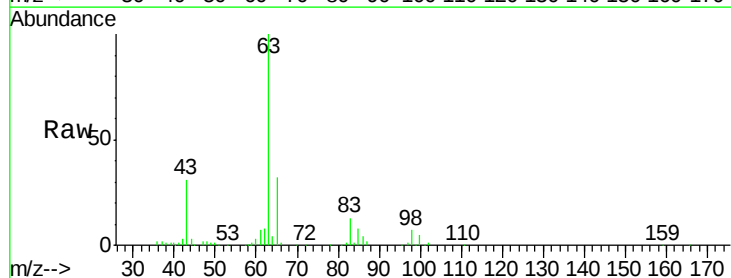
Tgt Ion: 63 Resp: 97362

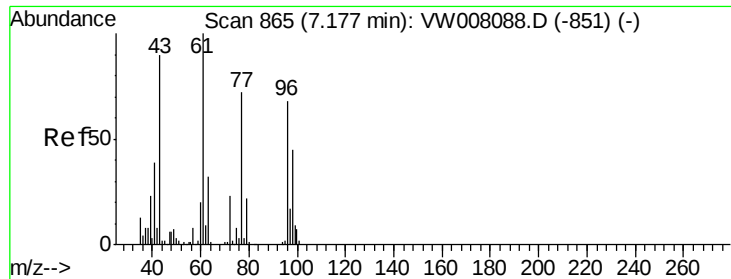
Ion Ratio Lower Upper

63 100

98 6.9 3.2 9.6

100 5.1 2.0 6.0





#25

2-Butanone

Concen: 302.975 ug/l

RT: 7.17 min Scan# 864

Delta R.T. -0.01 min

Lab File: VW008190.D

Acq: 11 Jan 2019 11:19

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

Tot Ion: 43 Resp: 84466

Ion Ratio Lower Upper

43 100

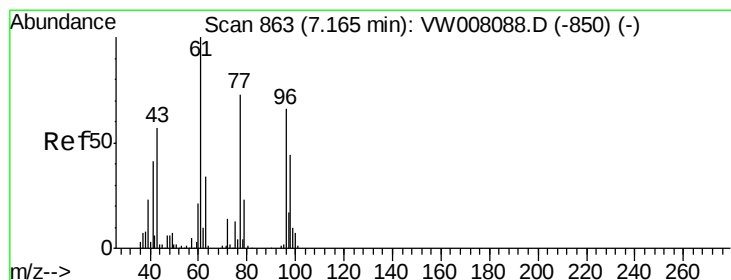
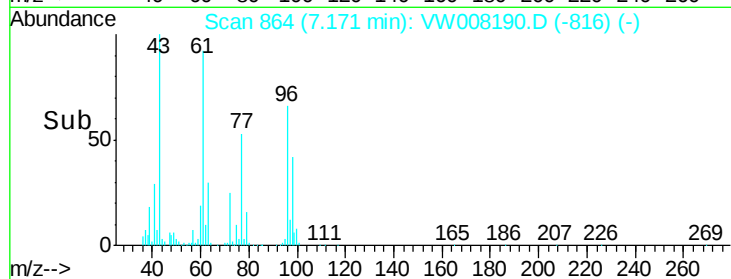
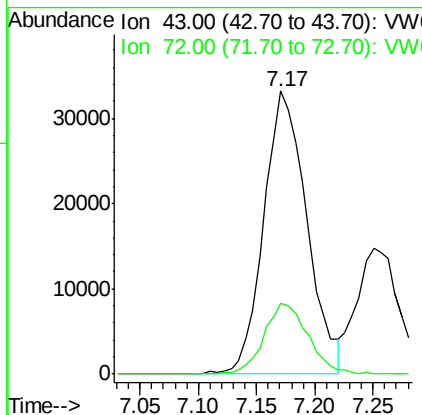
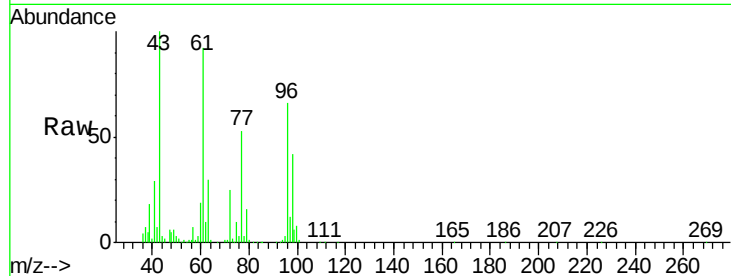
72 25.3 20.5 30.7

Manual Integrations

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MMDadoda

1/14/2019 10:45:01 PM



#26

2,2-Dichloropropane

Concen: 38.834 ug/l

RT: 7.17 min Scan# 864

Delta R.T. 0.01 min

Lab File: VW008190.D

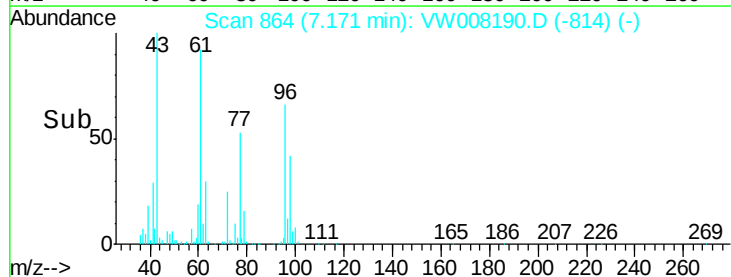
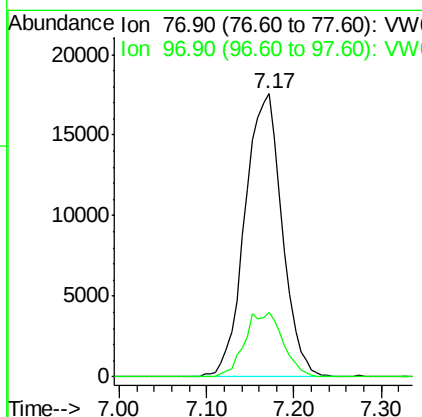
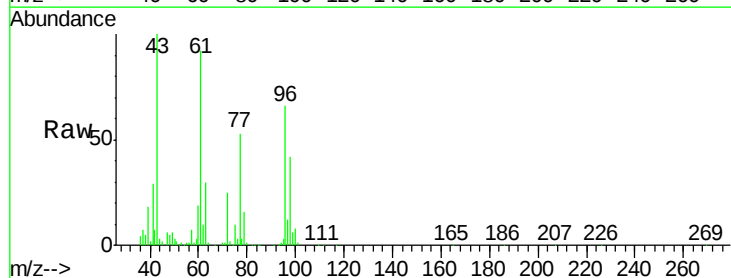
Acq: 11 Jan 2019 11:19

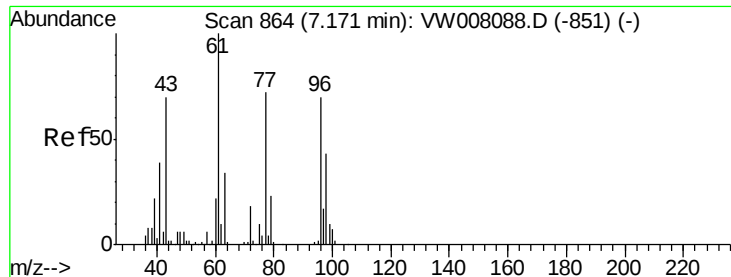
Tgt Ion: 77 Resp: 51831

Ion Ratio Lower Upper

77 100

97 23.5 11.4 34.1





#27

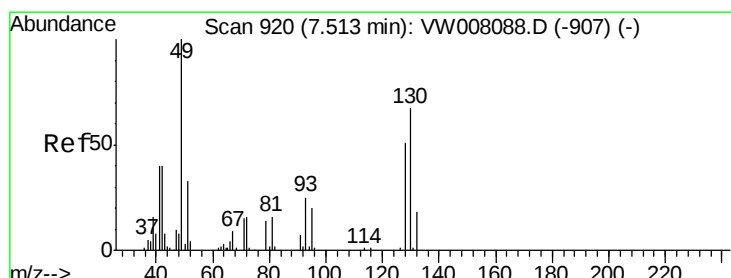
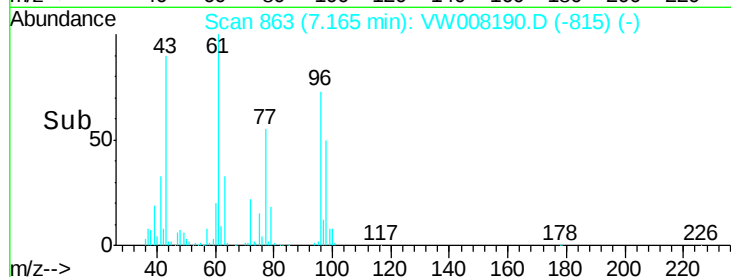
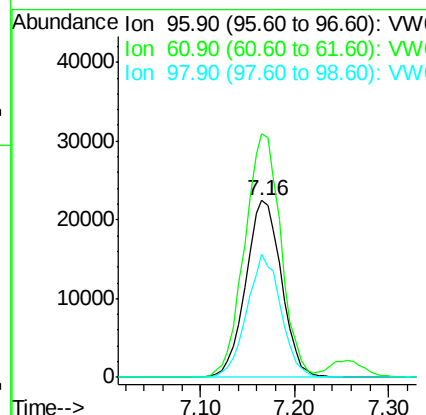
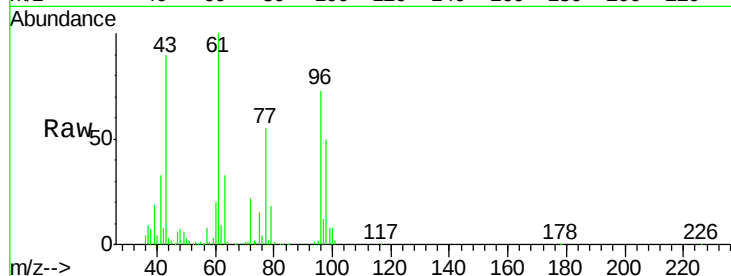
cis-1,2-Dichloroethene
Concen: 51.181 ug/l
RT: 7.16 min Scan# 863
Delta R.T. -0.01 min
Lab File: VW008190.D
Acq: 11 Jan 2019 11:19

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
96	100		
61	139.6	0.0	300.4
98	66.4	0.0	128.4

Manual Integrations
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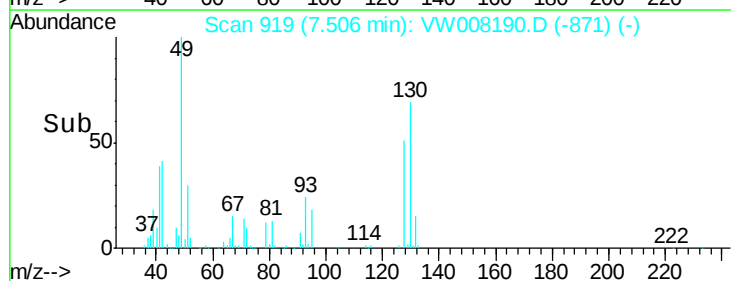
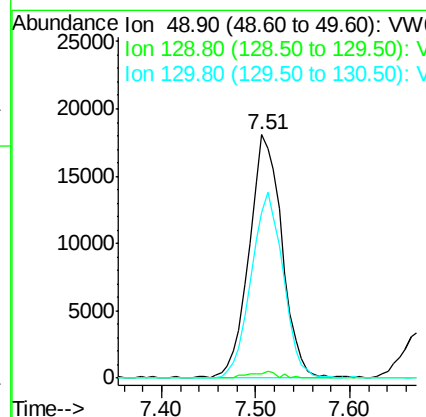
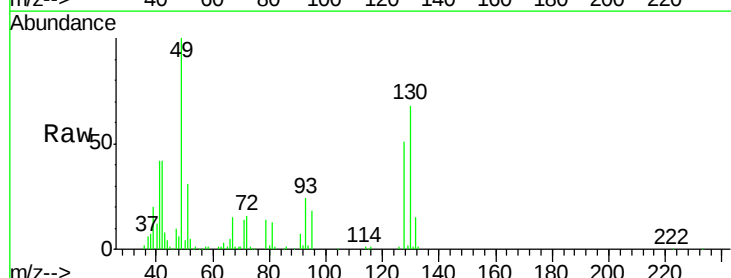
MMDadoda
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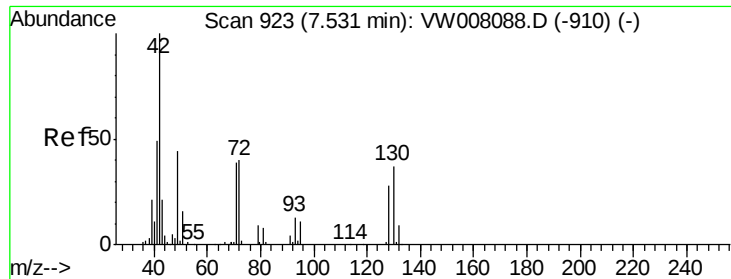


#28

Bromochloromethane
Concen: 56.499 ug/l
RT: 7.51 min Scan# 919
Delta R.T. -0.01 min
Lab File: VW008190.D
Acq: 11 Jan 2019 11:19

Tgt Ion	Ratio	Lower	Upper
49	100		
129	2.4	0.0	2.8
130	74.7	54.3	81.5





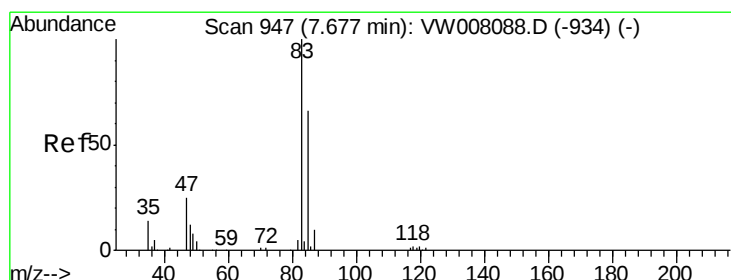
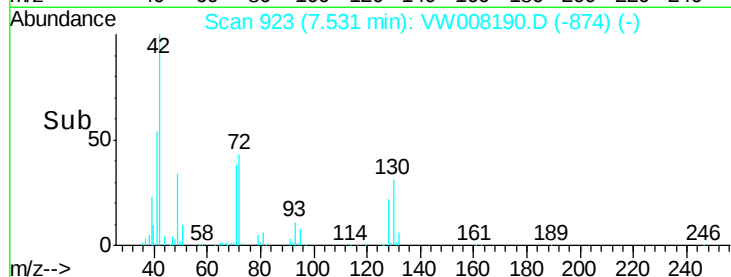
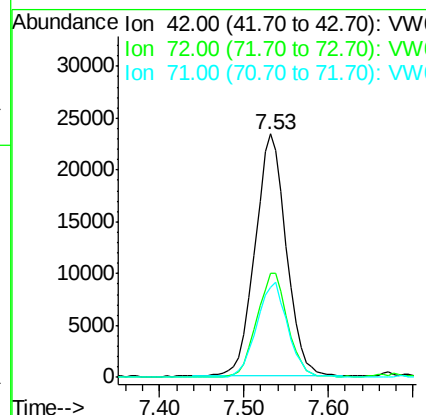
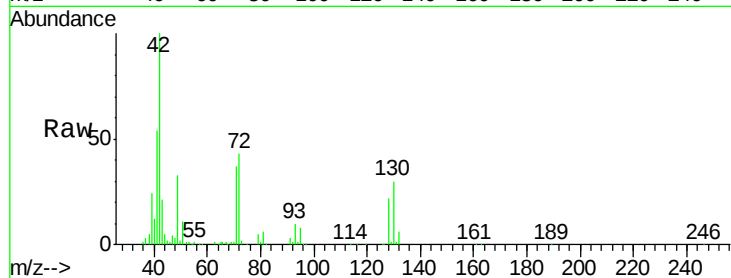
#29
Tetrahydrofuran
Concen: 316.361 ug/l
RT: 7.53 min Scan# 923
Delta R.T. -0.00 min
Lab File: VW008190.D
Acq: 11 Jan 2019 11:19

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
42	100		
72	43.1	32.4	48.6
71	39.2	31.3	46.9

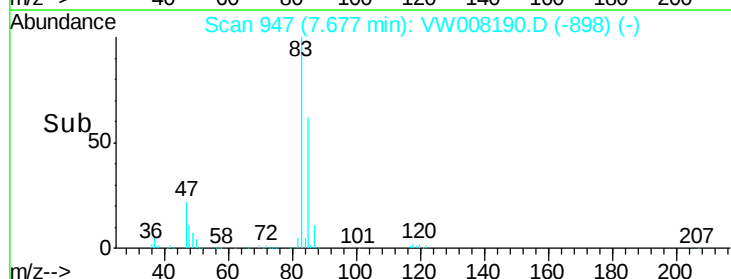
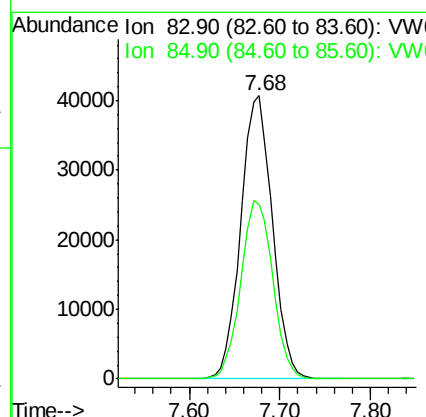
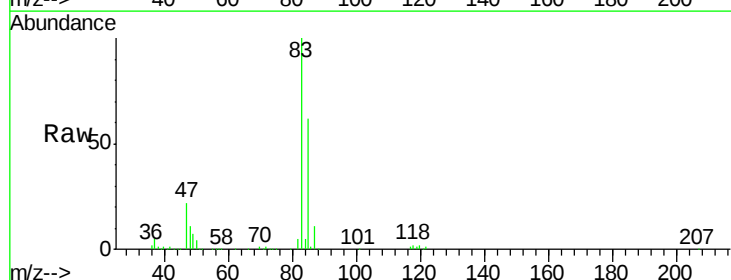
Manual Integrations
APPROVED

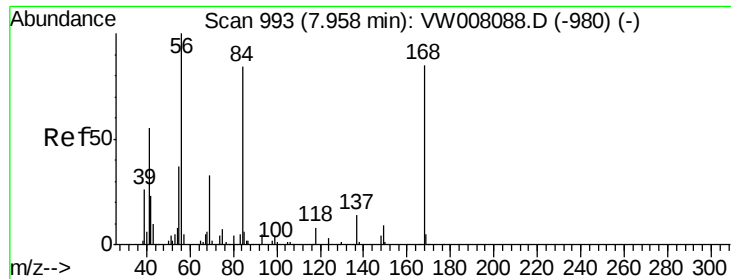
MMDadoda
1/14/2019 10:45:01 PM



#30
Chloroform
Concen: 52.506 ug/l
RT: 7.68 min Scan# 947
Delta R.T. -0.00 min
Lab File: VW008190.D
Acq: 11 Jan 2019 11:19

Tgt Ion	Ratio	Lower	Upper
83	100		
85	61.8	53.2	79.8





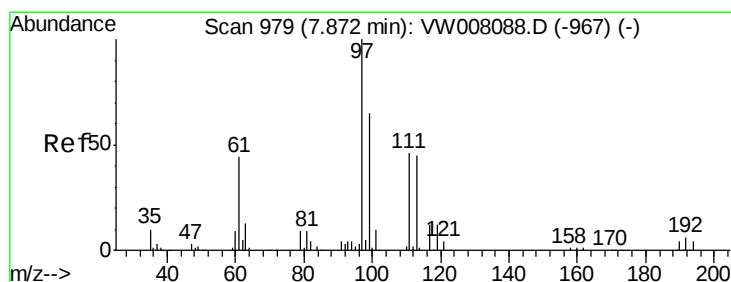
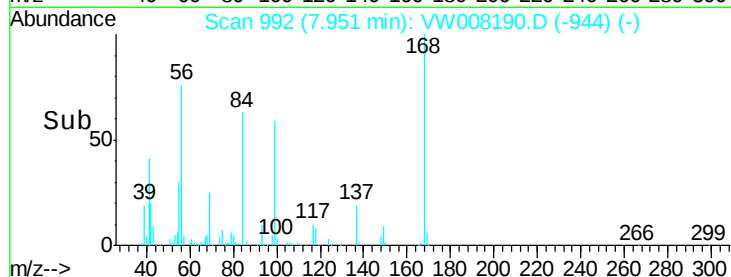
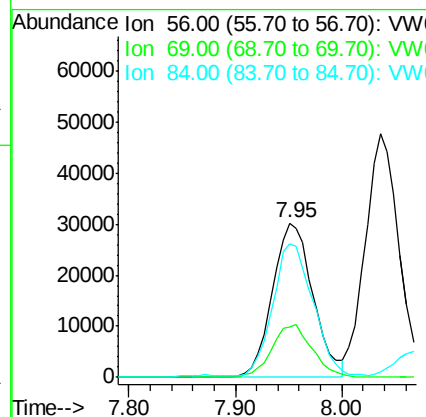
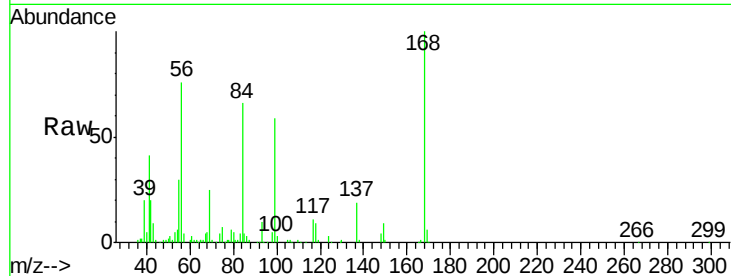
#31
Cyclohexane
Concen: 37.840 ug/l
RT: 7.95 min Scan# 992
Delta R.T. -0.01 min
Lab File: VW008190.D
Acq: 11 Jan 2019 11:19

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tot Ion	56	Resp	79794
Ion Ratio	100	Lower	Upper
56	100		
69	32.3	26.2	39.4
84	85.3	67.4	101.2

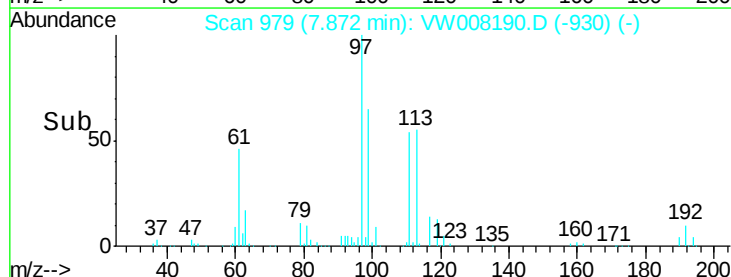
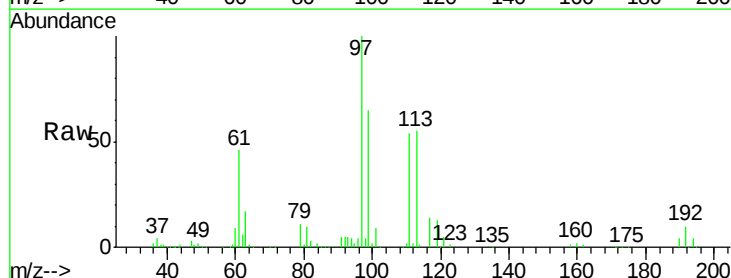
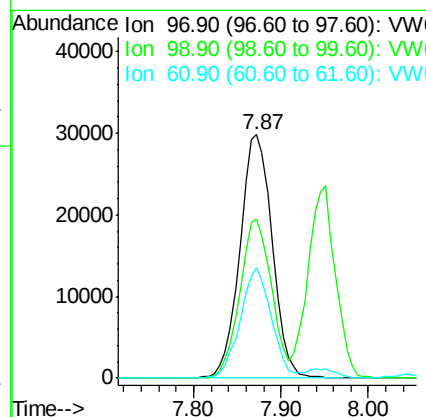
Manual Integrations
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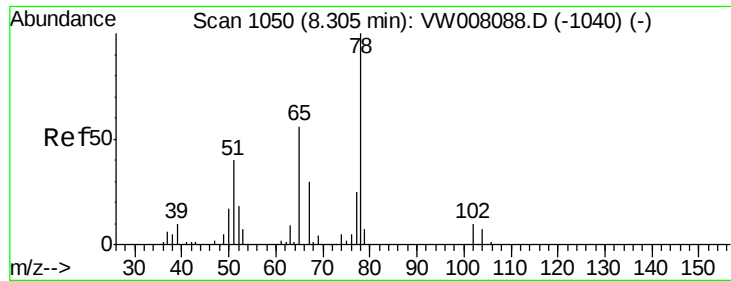
MMDadoda
1/14/2019 10:45:01 PM



#32
1,1,1-Trichloroethane
Concen: 46.908 ug/l
RT: 7.87 min Scan# 979
Delta R.T. -0.00 min
Lab File: VW008190.D
Acq: 11 Jan 2019 11:19

Tgt Ion	97	Resp	76526
Ion Ratio	100	Lower	Upper
97	100		
99	63.9	51.4	77.0
61	43.7	35.6	53.4





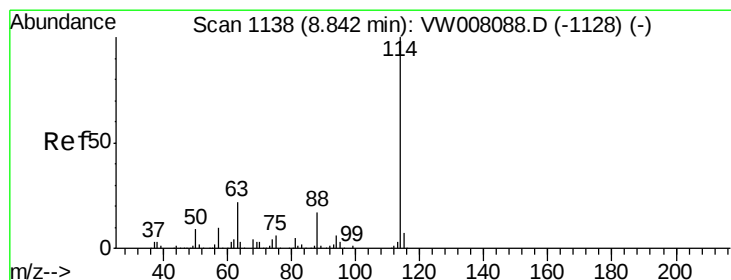
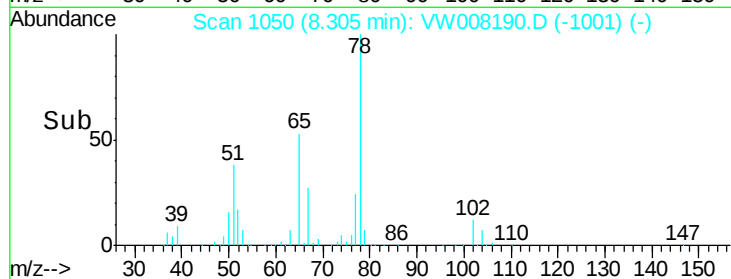
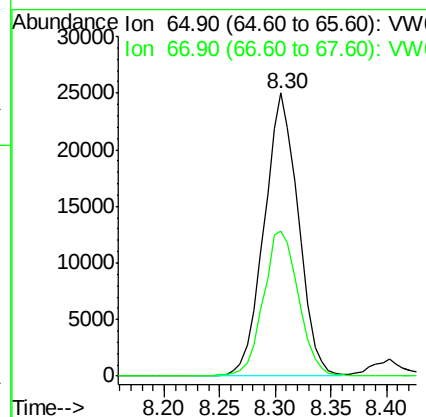
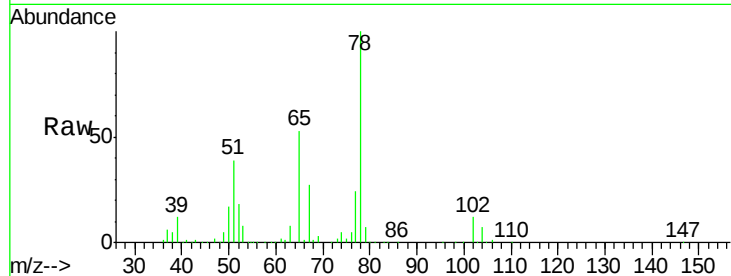
#33
 1,2-Dichloroethane-d4
 Concen: 53.399 ug/l
 RT: 8.30 min Scan# 1050
 Delta R.T. -0.00 min
 Lab File: VW008190.D
 Acq: 11 Jan 2019 11:19

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
65	100	53506		
67	53.0	0.0	106.8	

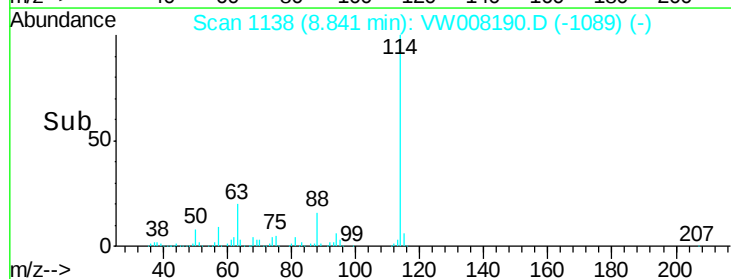
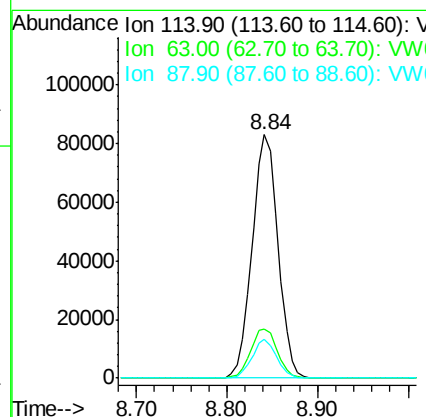
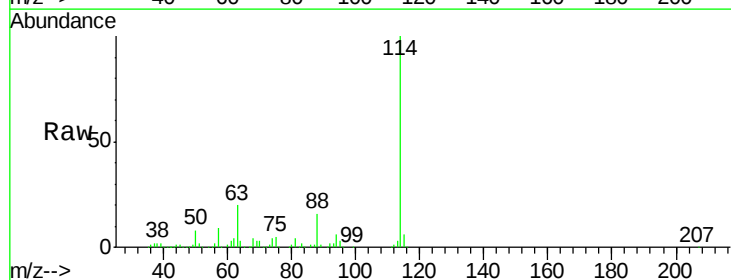
Manual Integrations
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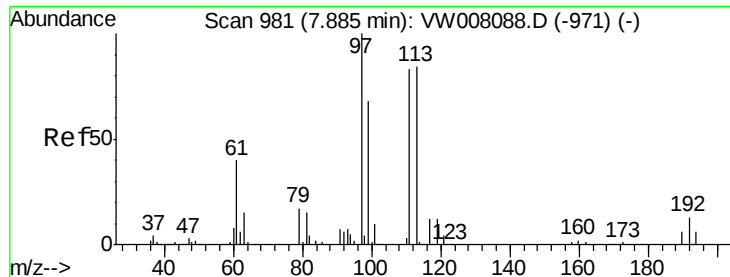
MMDadoda
 1/14/2019 10:45:01 PM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1138
 Delta R.T. -0.00 min
 Lab File: VW008190.D
 Acq: 11 Jan 2019 11:19

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	163658		
63	20.0	0.0	43.4	
88	15.8	0.0	33.4	





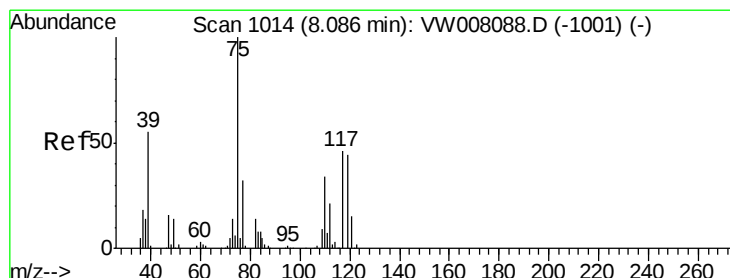
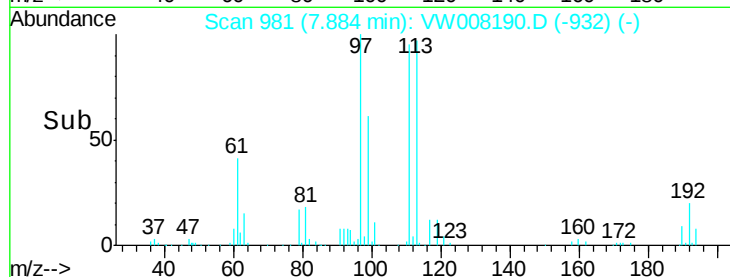
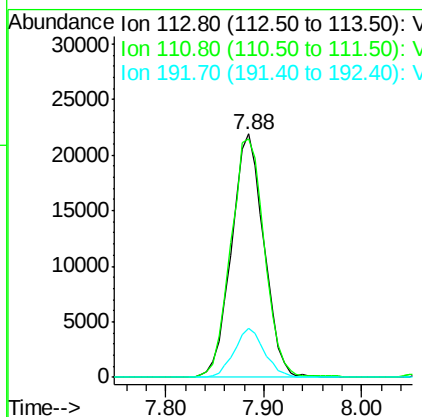
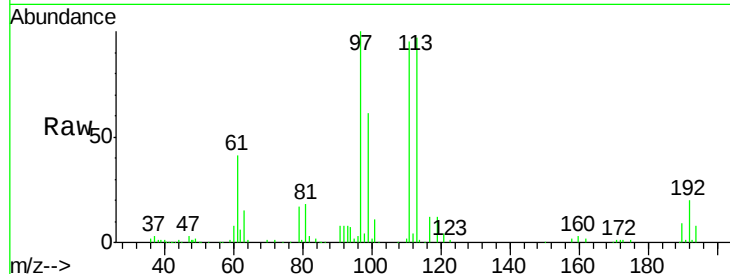
#35
Dibromofluoromethane
Concen: 52.582 ug/l
RT: 7.88 min Scan# 981
Delta R.T. -0.00 min
Lab File: VW008190.D
Acq: 11 Jan 2019 11:19

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
113	100		
111	102.0	81.8	122.8
192	19.0	12.8	19.2

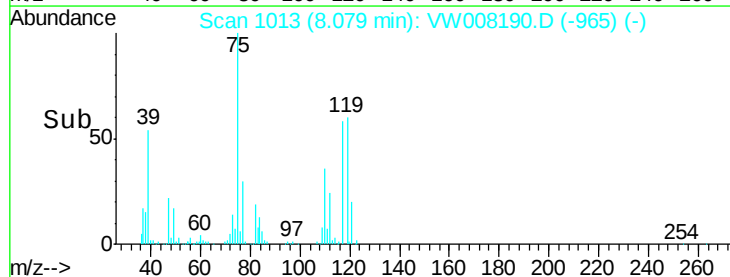
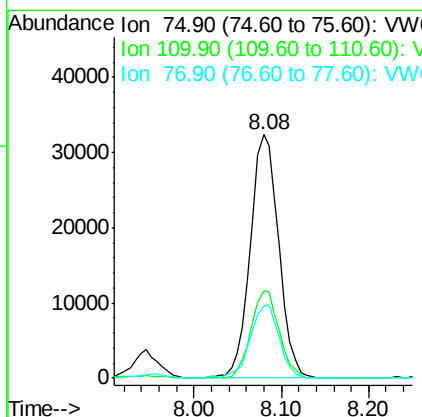
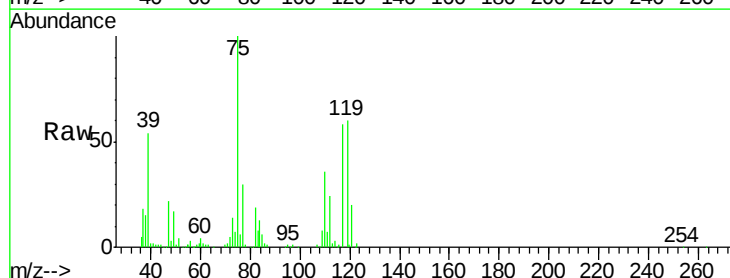
Manual Integrations
APPROVED

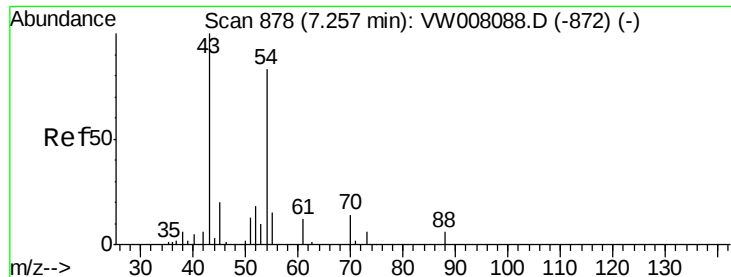
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#36
1,1-Dichloropropene
Concen: 43.308 ug/l
RT: 8.08 min Scan# 1013
Delta R.T. -0.01 min
Lab File: VW008190.D
Acq: 11 Jan 2019 11:19

Tgt Ion	Ratio	Lower	Upper
75	100		
110	35.4	17.1	51.3
77	30.7	25.5	38.3





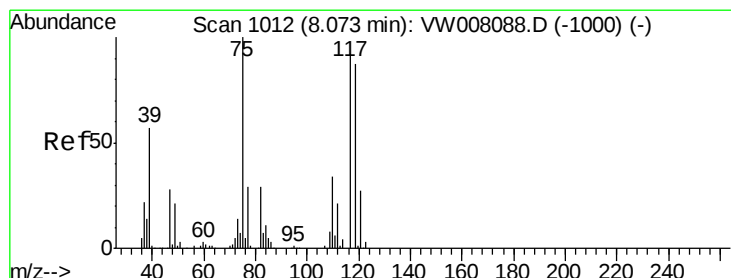
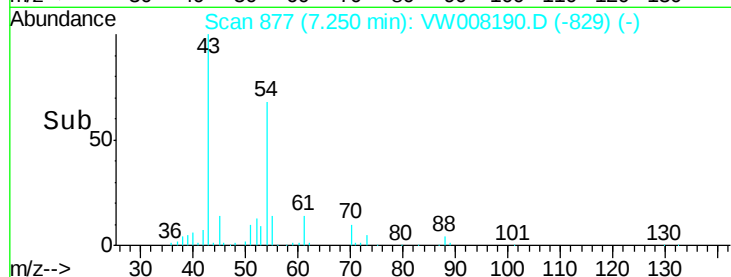
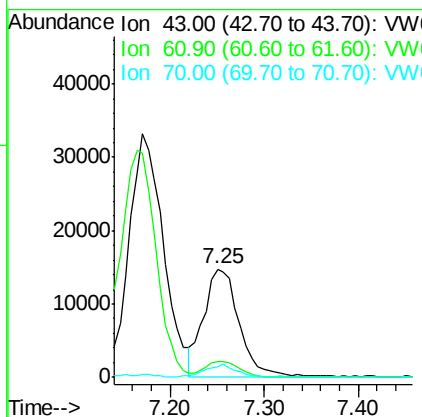
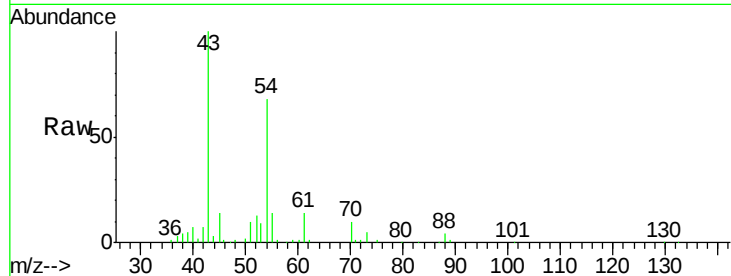
#37
Ethyl Acetate
Concen: 56.719 ug/l
RT: 7.25 min Scan# 877
Delta R.T. -0.01 min
Lab File: VW008190.D
Acq: 11 Jan 2019 11:19

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
43	100		
61	15.2	10.6	16.0
70	10.4	8.9	13.3

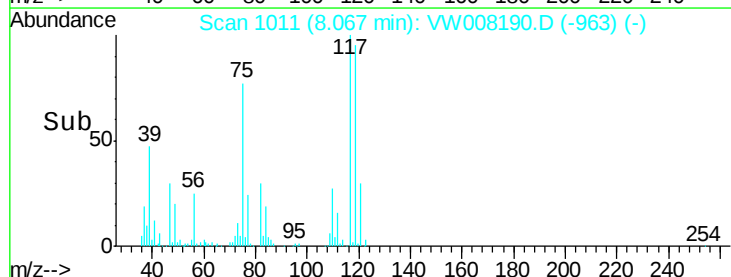
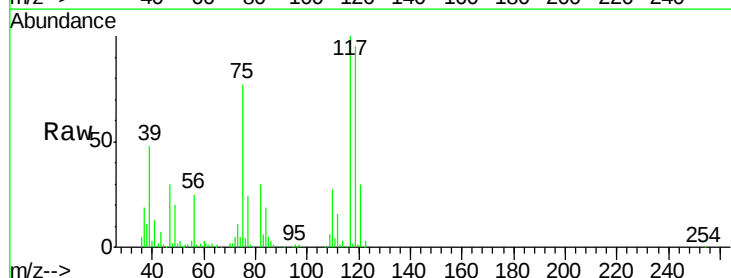
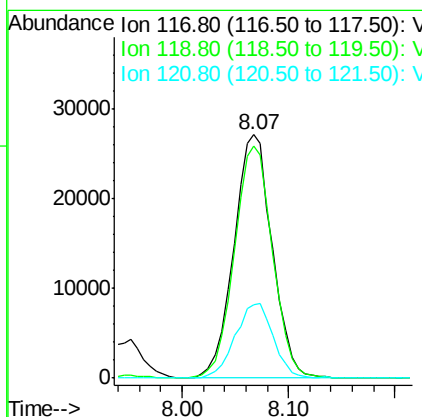
Manual Integrations
APPROVED

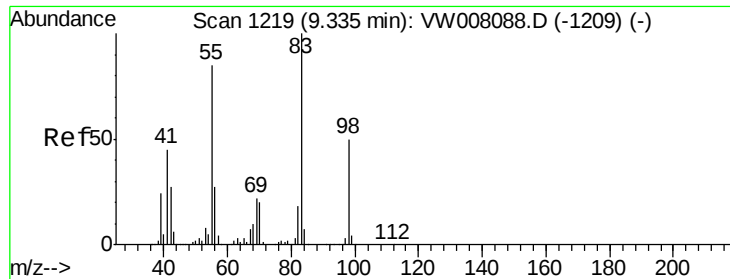
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#38
Carbon Tetrachloride
Concen: 44.359 ug/l
RT: 8.07 min Scan# 1011
Delta R.T. -0.01 min
Lab File: VW008190.D
Acq: 11 Jan 2019 11:19

Tgt Ion	Ratio	Lower	Upper
117	100		
119	95.3	75.8	113.8
121	30.0	23.7	35.5





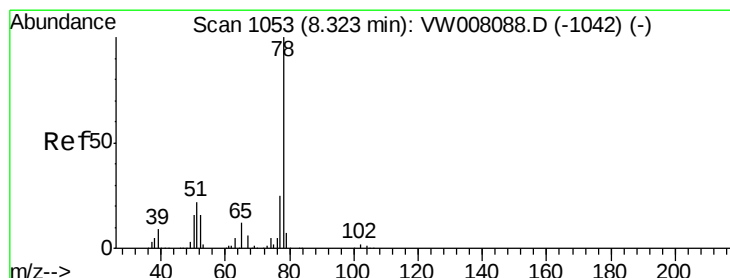
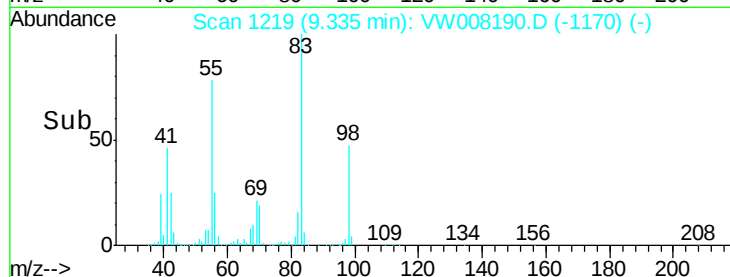
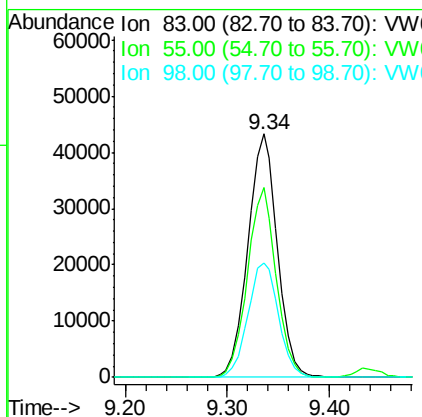
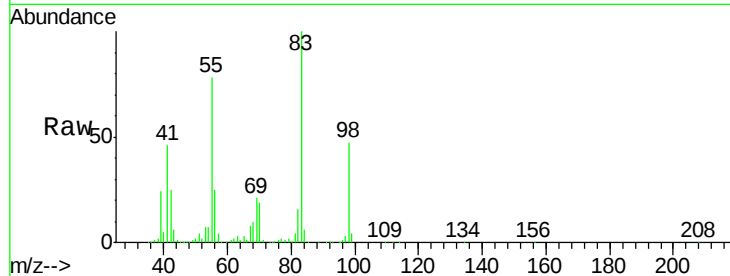
#39
Methvlcvclohexane
Concen: 40.648 ug/l
RT: 9.34 min Scan# 1219
Delta R.T. -0.00 min
Lab File: VW008190.D
Acq: 11 Jan 2019 11:19

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
83	100		
55	78.1	67.8	101.6
98	47.2	40.2	60.4

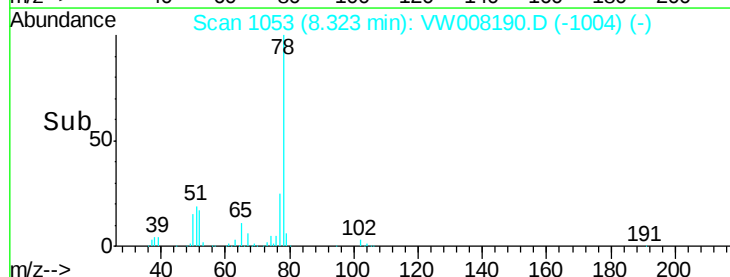
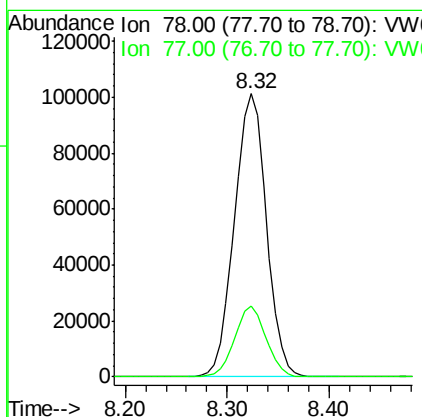
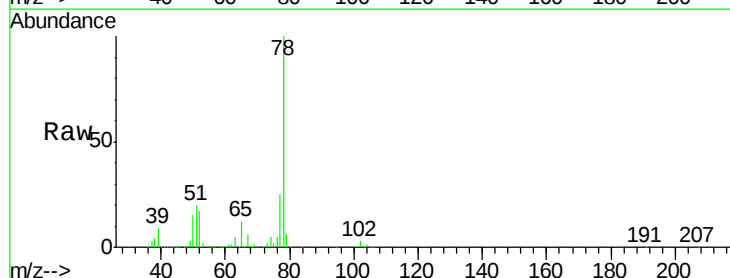
Manual Integrations
APPROVED

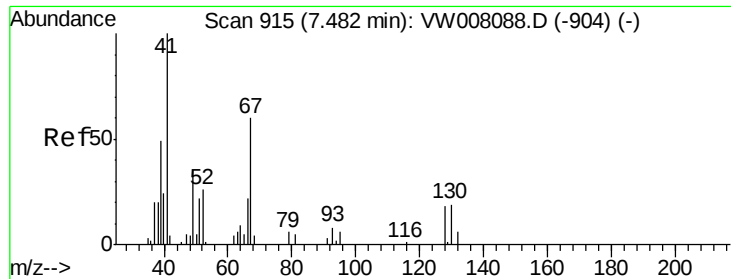
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1/14/2019 10:45:01 PM



#40
Benzene
Concen: 48.072 ug/l
RT: 8.32 min Scan# 1053
Delta R.T. -0.00 min
Lab File: VW008190.D
Acq: 11 Jan 2019 11:19

Tgt Ion	Ratio	Lower	Upper
78	100		
77	24.9	20.2	30.4





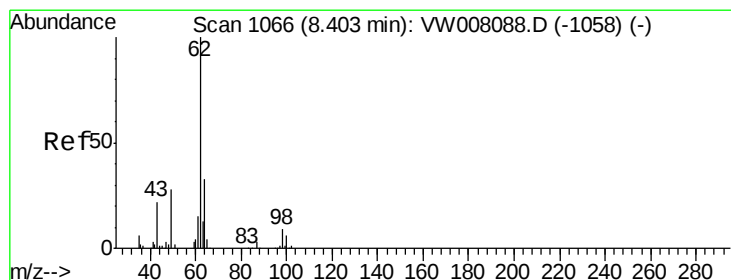
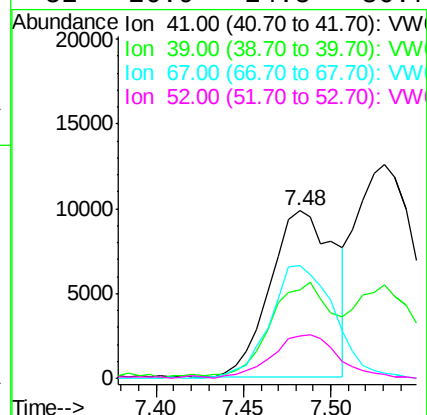
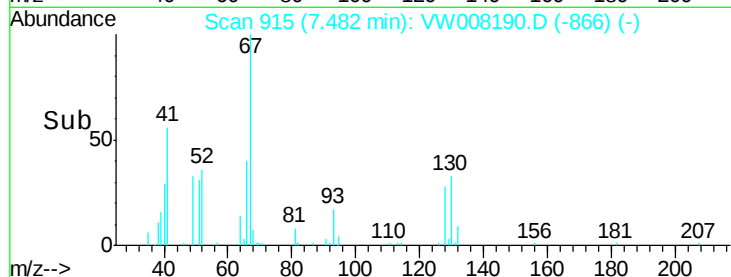
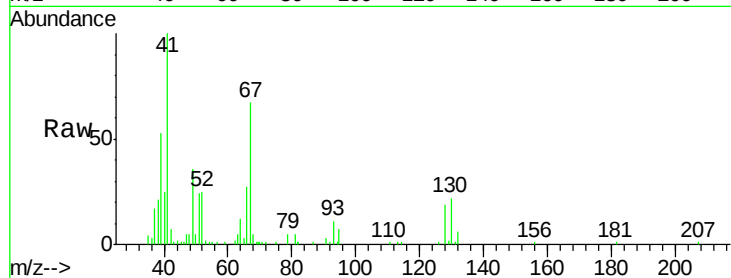
#41
Methacrylonitrile
Concen: 59.454 ug/l
RT: 7.48 min Scan# 915
Delta R.T. -0.00 min
Lab File: VW008190.D
Acq: 11 Jan 2019 11:19

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ion	Ratio	Resp	Lower	Upper
41	100		25366		
39	56.9	47.9	71.9		
67	67.4	56.3	84.5		
52	26.9	24.5	36.7		

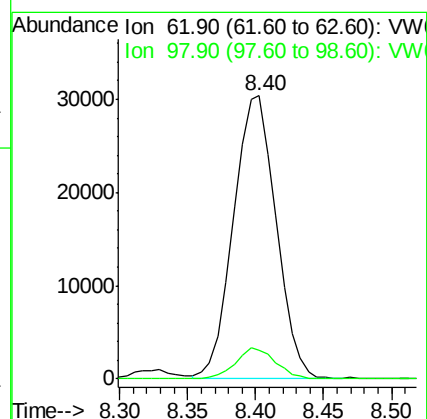
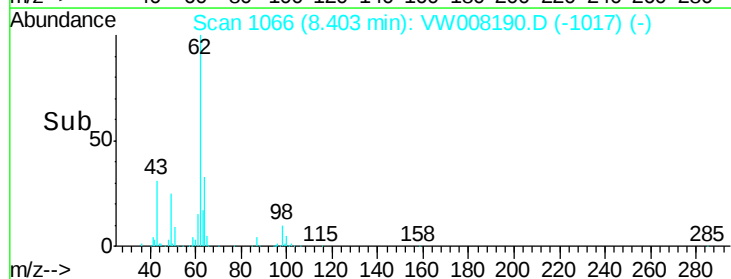
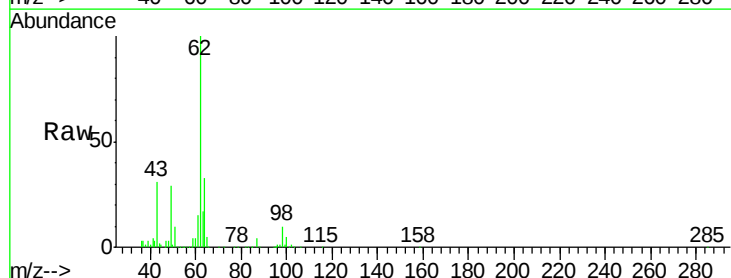
Manual Integrations
APPROVED

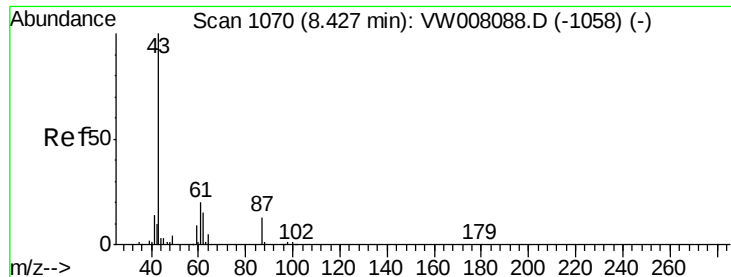
MMDadoda
1/14/2019 10:45:01 PM



#42
1,2-Dichloroethane
Concen: 51.209 ug/l
RT: 8.40 min Scan# 1066
Delta R.T. -0.00 min
Lab File: VW008190.D
Acq: 11 Jan 2019 11:19

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
62	100		65857		
98	10.2	0.0	18.6		





#43

Isopropyl Acetate

Concen: 57.357 ug/l

RT: 8.43 min Scan# 1070

Delta R.T. -0.00 min

Lab File: VW008190.D

Acq: 11 Jan 2019 11:19

Instrument :

MSVOA_W

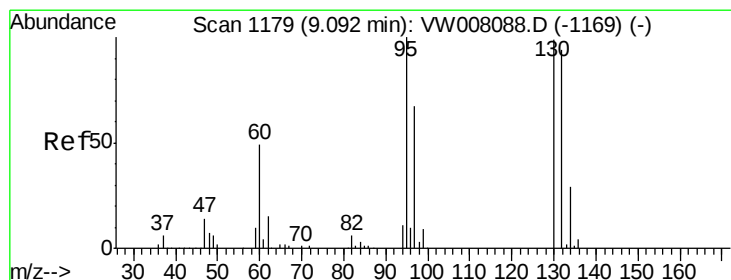
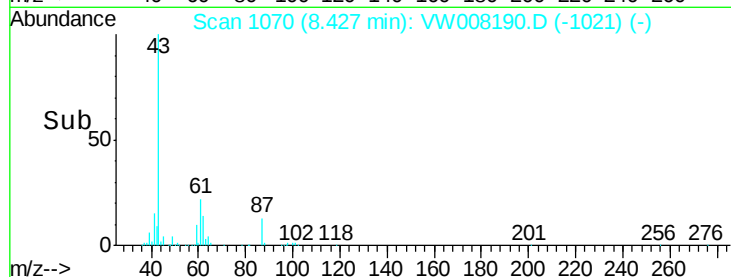
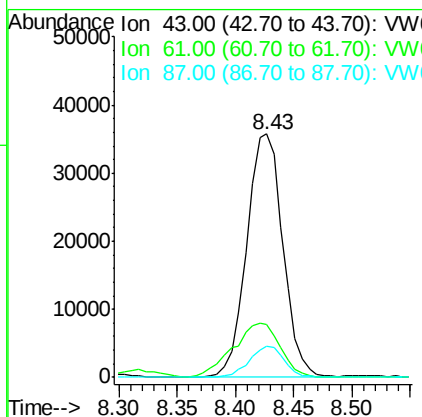
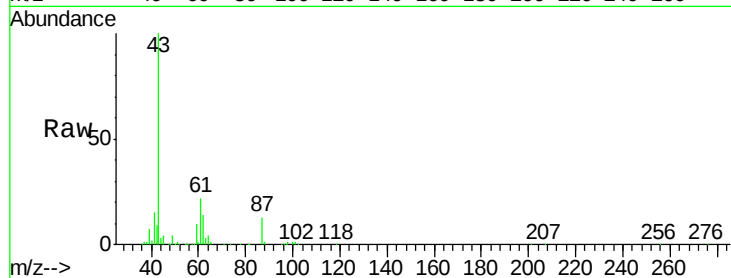
ClientSampleId :

VSTDCCC050EC

Tot Ion:	43	Resp:	77454
Ion	Ratio	Lower	Upper
43	100		
61	29.1	24.8	37.2
87	12.4	10.4	15.6

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#44

Trichloroethene

Concen: 48.208 ug/l

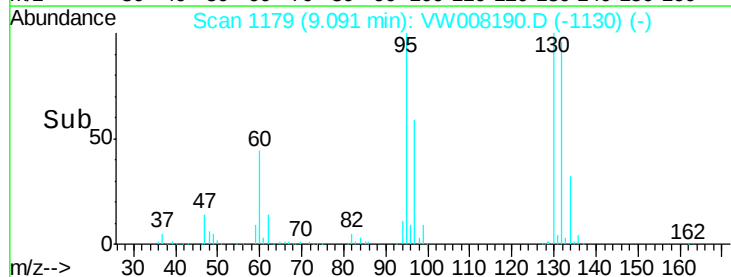
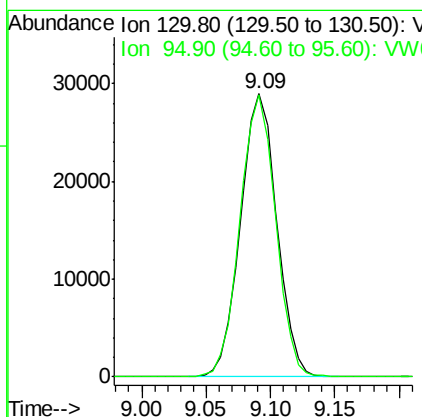
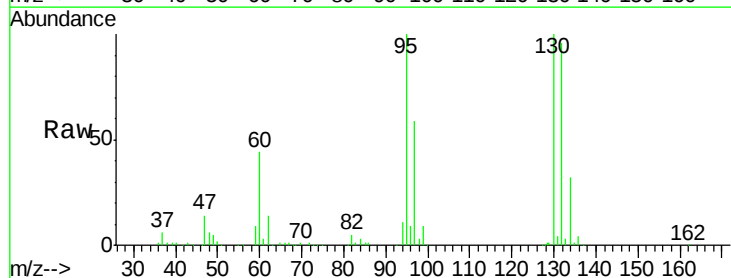
RT: 9.09 min Scan# 1179

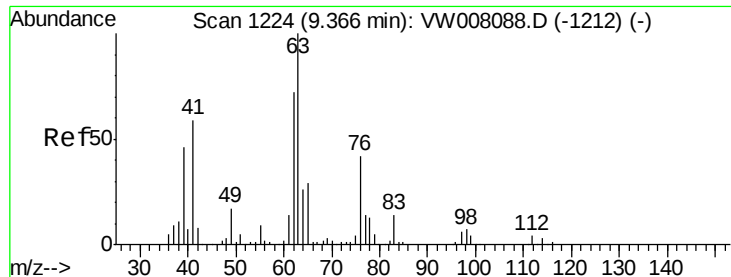
Delta R.T. -0.00 min

Lab File: VW008190.D

Acq: 11 Jan 2019 11:19

Tgt Ion:	130	Resp:	56427
Ion	Ratio	Lower	Upper
130	100		
95	99.6	0.0	202.8





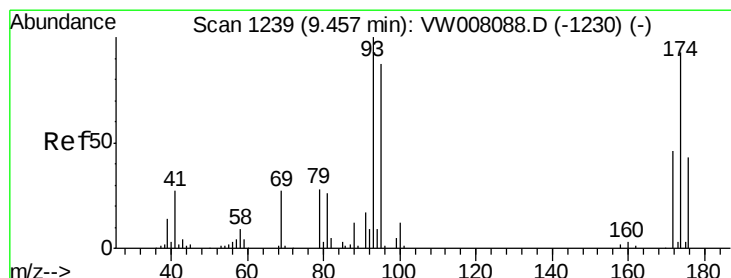
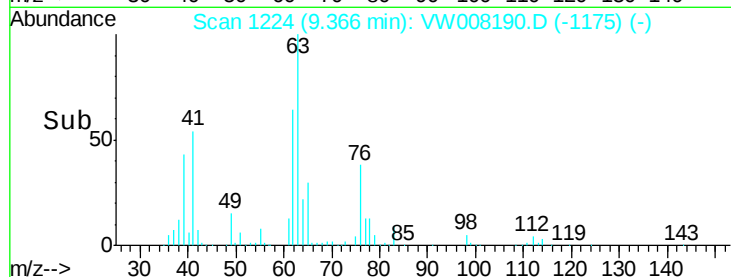
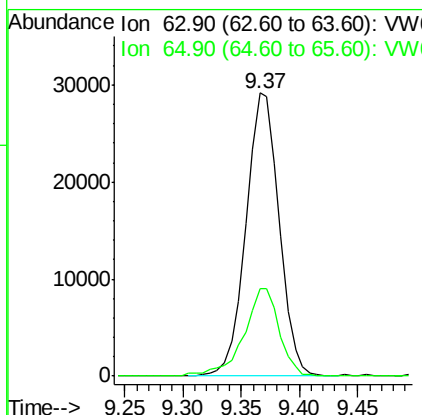
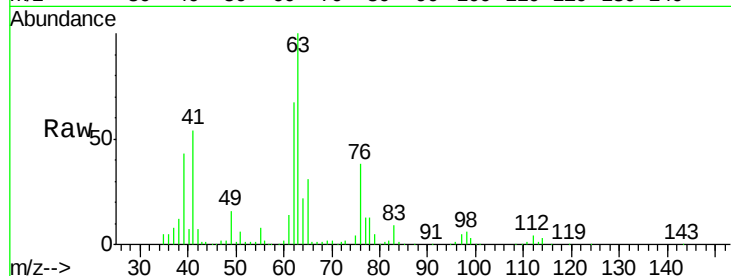
#45
 1,2-Dichloropropane
 Concen: 51.134 ug/l
 RT: 9.37 min Scan# 1224
 Delta R.T. -0.00 min
 Lab File: VW008190.D
 Acq: 11 Jan 2019 11:19

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050EC

Tot Ion: 63 Resp: 57974
 Ion Ratio Lower Upper
 63 100
 65 30.7 23.3 34.9

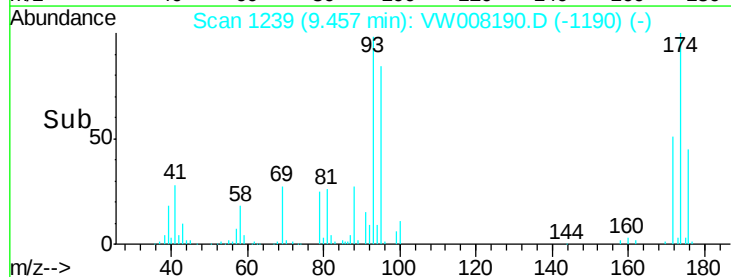
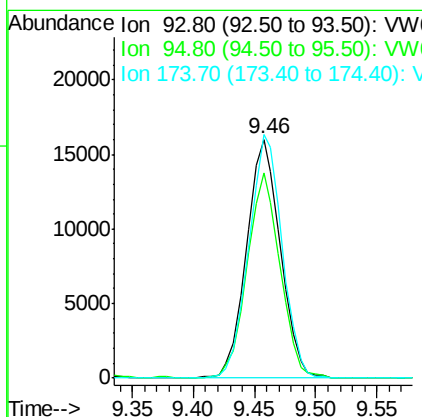
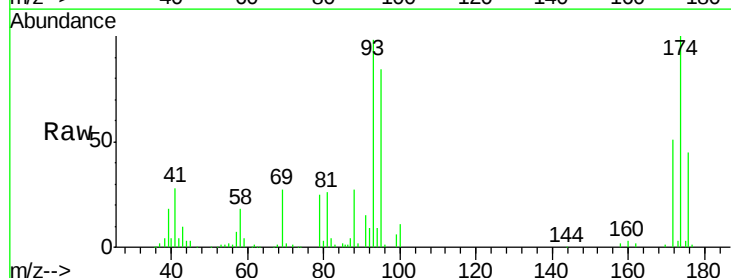
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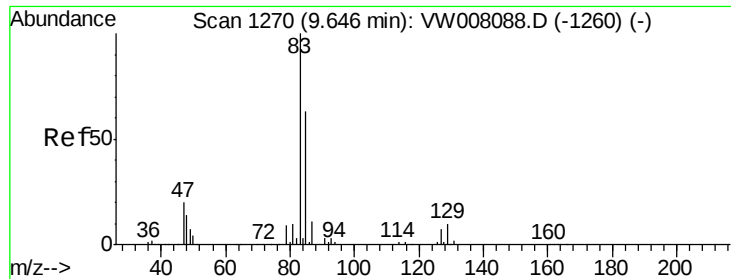
MMDadoda
 1/14/2019 10:45:01 PM



#46
 Dibromomethane
 Concen: 55.330 ug/l
 RT: 9.46 min Scan# 1239
 Delta R.T. -0.00 min
 Lab File: VW008190.D
 Acq: 11 Jan 2019 11:19

Tgt Ion: 93 Resp: 30808
 Ion Ratio Lower Upper
 93 100
 95 83.7 67.5 101.3
 174 100.3 72.5 108.7





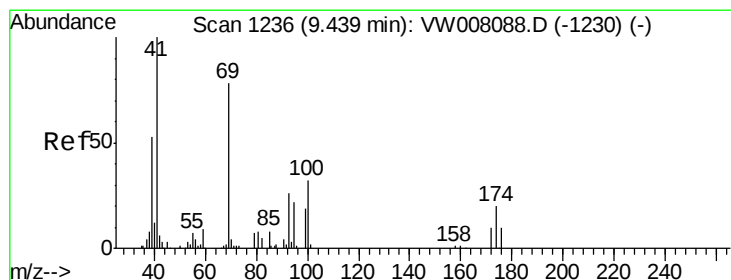
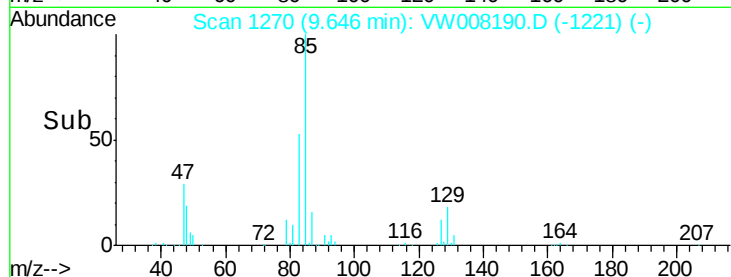
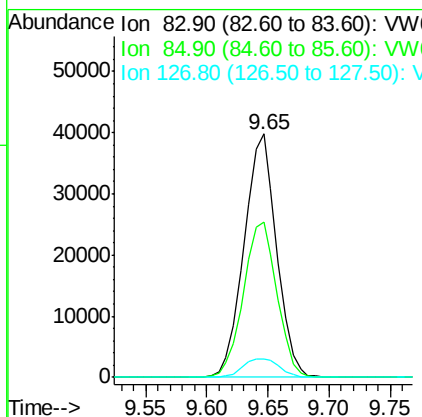
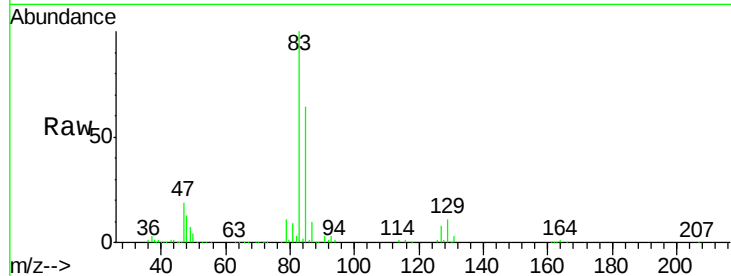
#47
 Bromodichloromethane
 Concen: 51.801 ug/l
 RT: 9.65 min Scan# 1270
 Delta R.T. -0.00 min
 Lab File: VW008190.D
 Acq: 11 Jan 2019 11:19

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	83	Resp	73238
Ion Ratio	100	Lower	Upper
83	100		
85	63.7	50.7	76.1
127	7.7	6.0	9.0

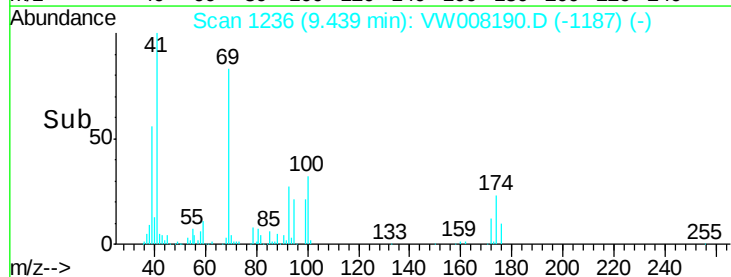
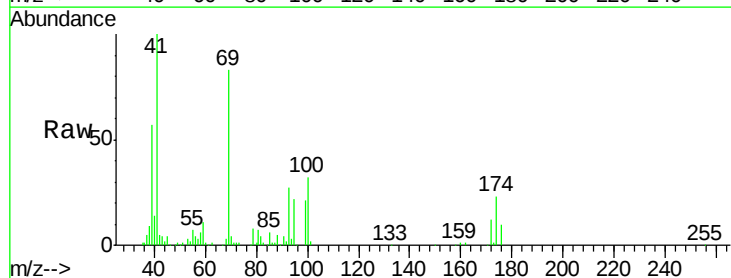
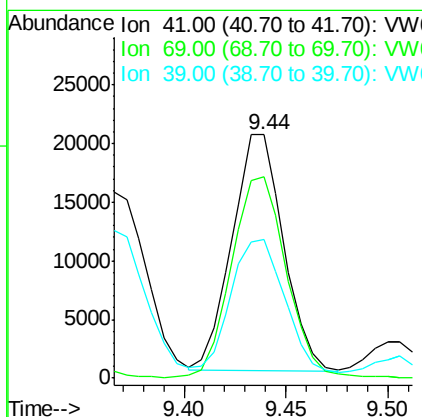
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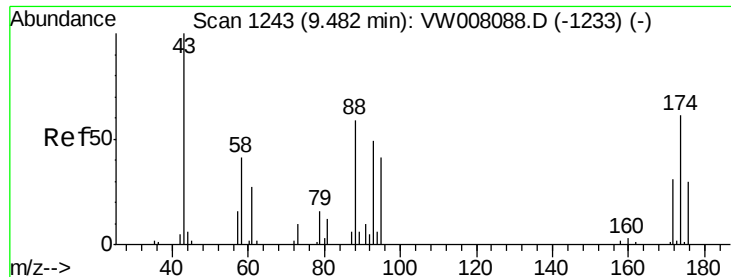
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#48
 Methyl methacrylate
 Concen: 55.453 ug/l
 RT: 9.44 min Scan# 1236
 Delta R.T. -0.00 min
 Lab File: VW008190.D
 Acq: 11 Jan 2019 11:19

Tgt Ion	41	Resp	35334
Ion Ratio	100	Lower	Upper
41	100		
69	90.3	61.9	92.9
39	63.3	43.0	64.4





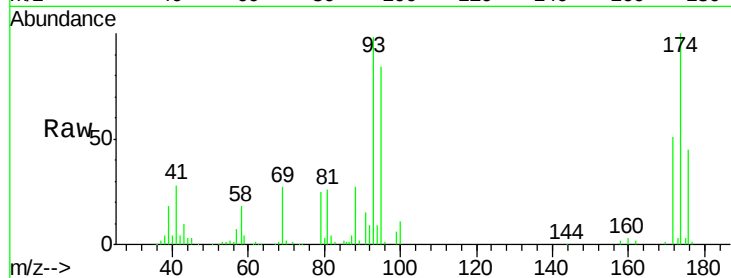
#49
1,4-Dioxane
Concen: 1170.033 ug/l
RT: 9.46 min Scan# 1239
Delta R.T. -0.02 min
Lab File: VW008190.D
Acq: 11 Jan 2019 11:19

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tot Ion	88	Resp	10477
Ion Ratio	Lower	Upper	
88	100		
43	0.0	0.0	0.0
58	79.8	61.7	92.5

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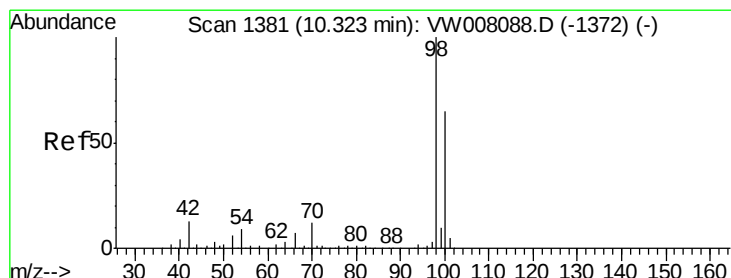
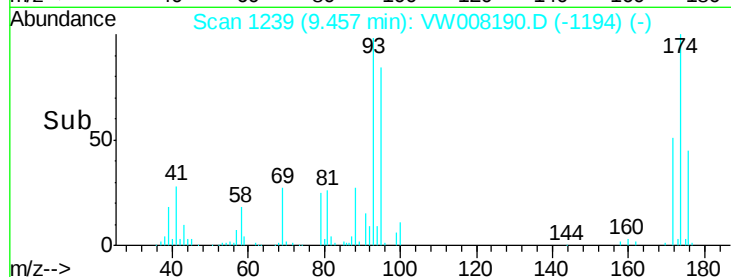
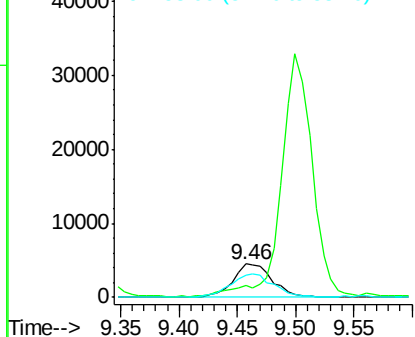


Abundance

Ion 88.00 (87.70 to 88.70): VW

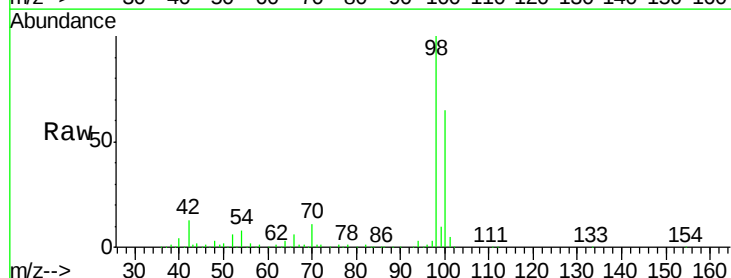
Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW



#50
Toluene-d8
Concen: 48.314 ug/l
RT: 10.32 min Scan# 1381
Delta R.T. -0.00 min
Lab File: VW008190.D
Acq: 11 Jan 2019 11:19

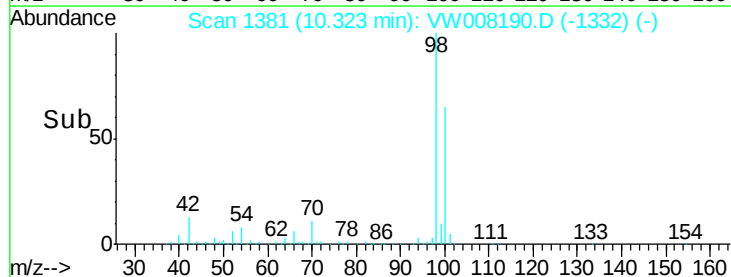
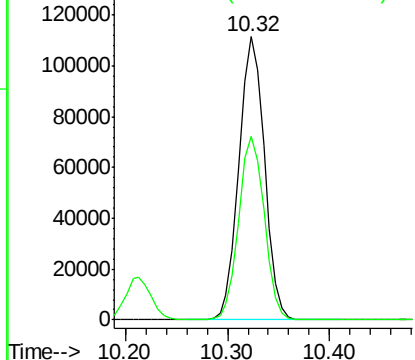
Tgt Ion	98	Resp	193522
Ion Ratio	Lower	Upper	
98	100		
100	64.9	51.7	77.5

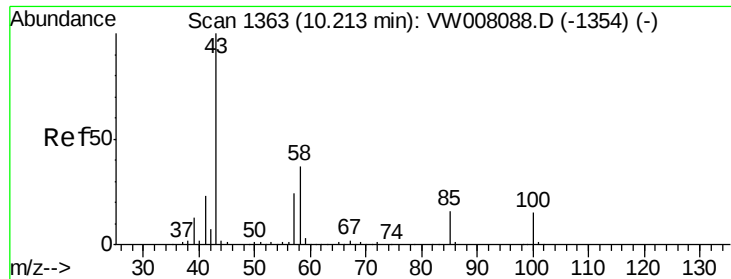


Abundance

Ion 98.00 (97.70 to 98.70): VW

Ion 100.00 (99.70 to 100.70): VW





#51

4-Methyl-2-Pentanone

Concen: 294.679 ug/l

RT: 10.21 min Scan# 1363

Delta R.T. -0.00 min

Lab File: VW008190.D

Acq: 11 Jan 2019 11:19

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

Tot Ion: 43 Resp: 192620

Ion Ratio Lower Upper

43 100

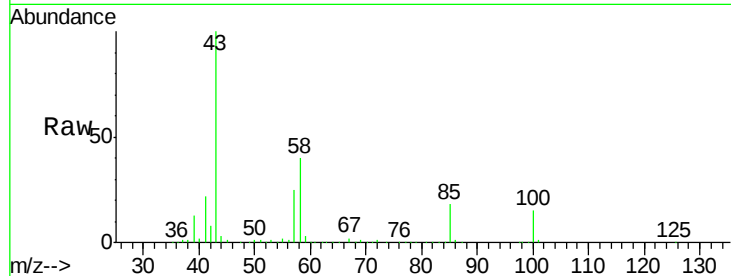
58 39.1 30.6 46.0

Manual Integrations

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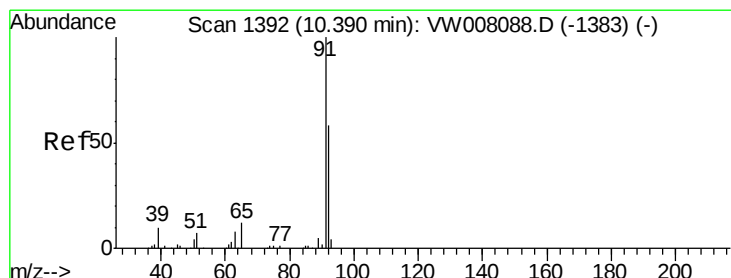
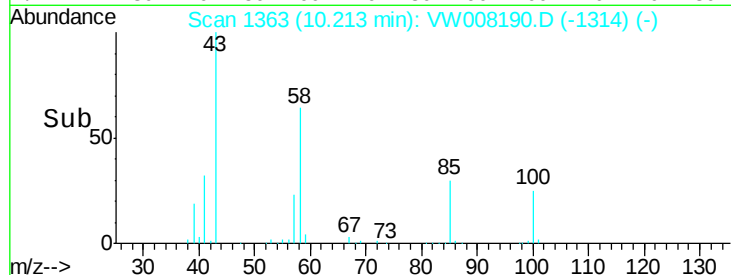
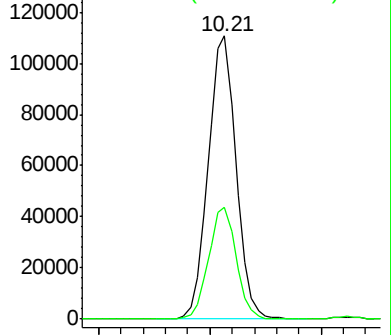
MMDadoda

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Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW



#52

Toluene

Concen: 47.231 ug/l

RT: 10.39 min Scan# 1392

Delta R.T. -0.00 min

Lab File: VW008190.D

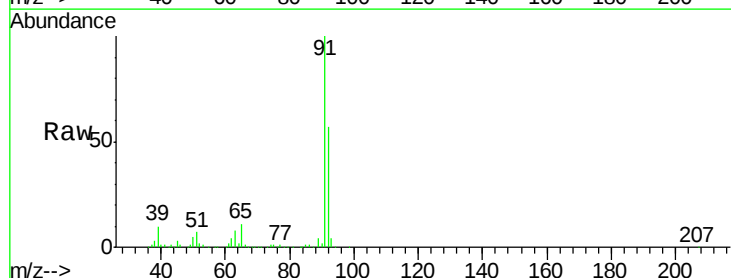
Acq: 11 Jan 2019 11:19

Tgt Ion: 92 Resp: 137921

Ion Ratio Lower Upper

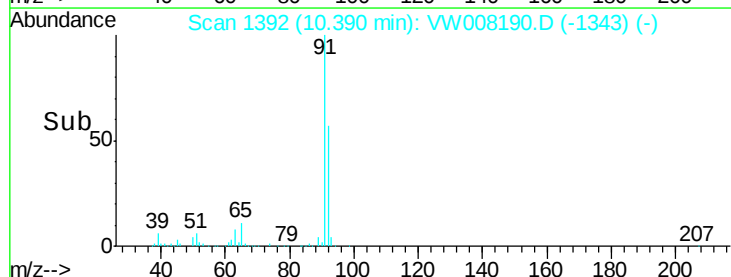
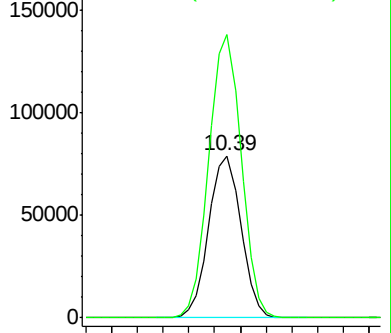
92 100

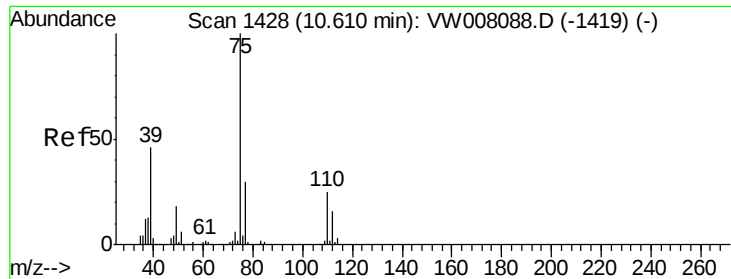
91 174.5 137.0 205.4



Abundance Ion 92.00 (91.70 to 92.70): VW

Ion 91.00 (90.70 to 91.70): VW





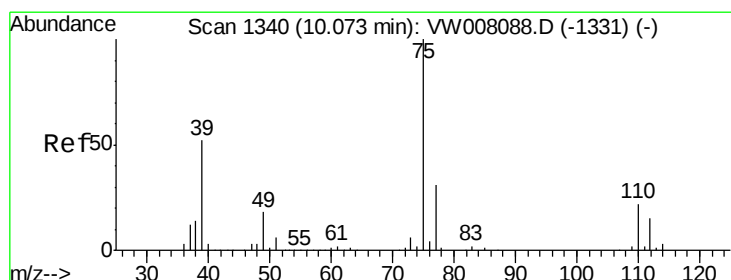
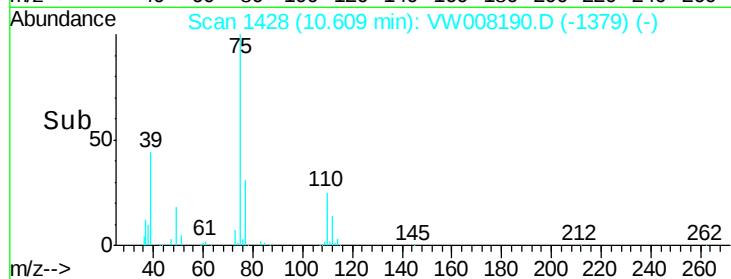
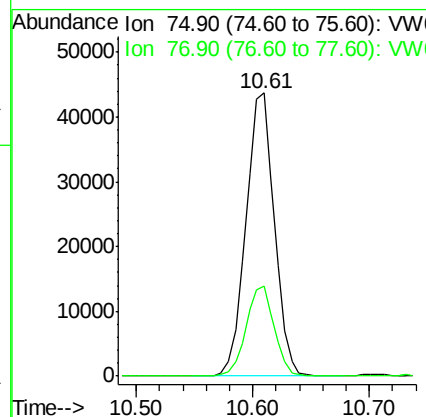
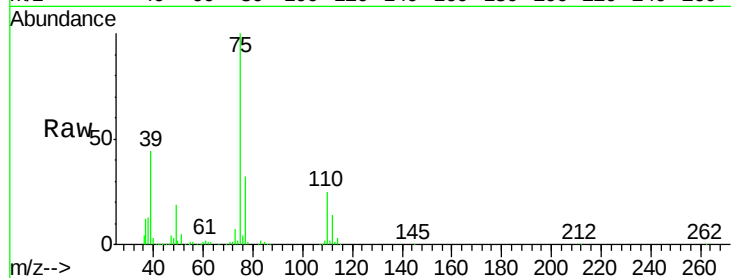
#53
t-1,3-Dichloropropene
Concen: 50.738 ug/l
RT: 10.61 min Scan# 1428
Delta R.T. -0.00 min
Lab File: VW008190.D
Acq: 11 Jan 2019 11:19

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tot Ion: 75 Resp: 74617
Ion Ratio Lower Upper
75 100
77 31.5 24.4 36.6

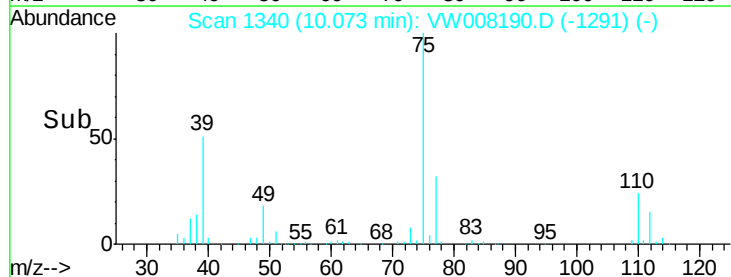
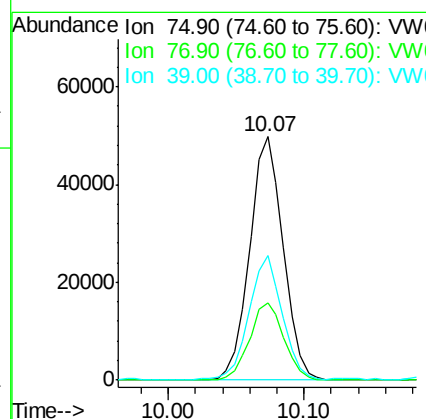
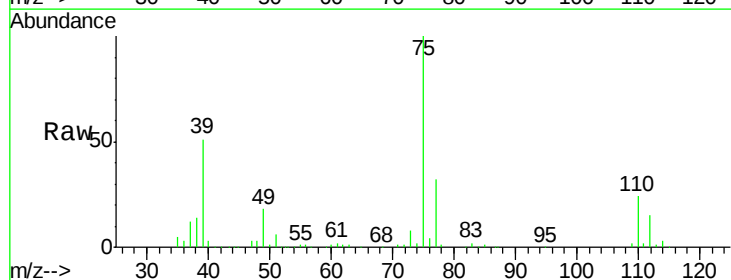
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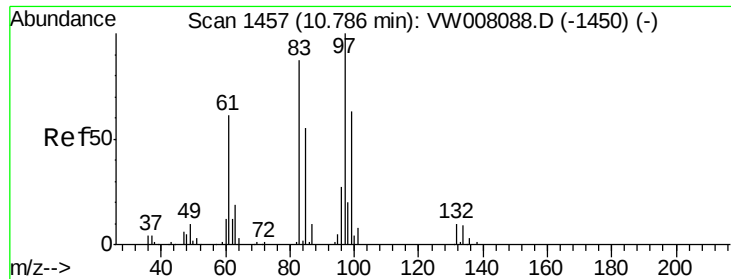
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#54
cis-1,3-Dichloropropene
Concen: 49.230 ug/l
RT: 10.07 min Scan# 1340
Delta R.T. -0.00 min
Lab File: VW008190.D
Acq: 11 Jan 2019 11:19

Tgt Ion: 75 Resp: 85853
Ion Ratio Lower Upper
75 100
77 31.7 25.2 37.8
39 51.1 41.4 62.0





#55

1,1,2-Trichloroethane

Concen: 56.685 ug/l

RT: 10.79 min Scan# 1457

Delta R.T. -0.00 min

Lab File: VW008190.D

Acq: 11 Jan 2019 11:19

Instrument :

MSVOA_W

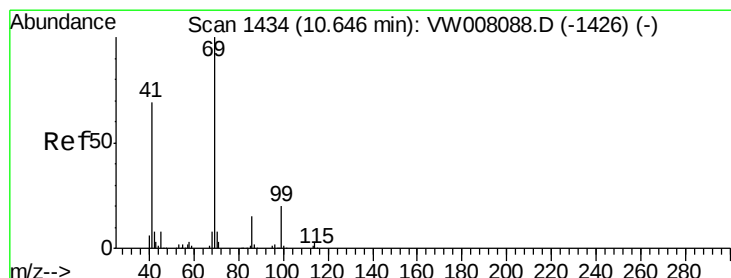
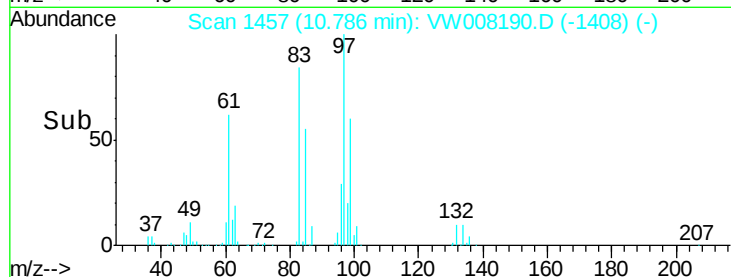
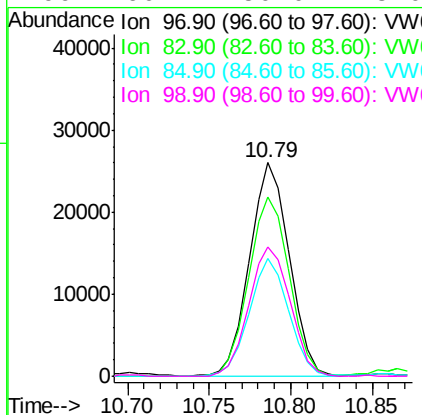
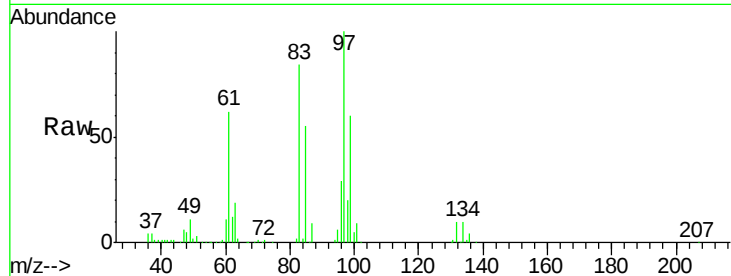
ClientSampleId :

VSTDCCC050EC

Tot Ion:	97	Resp:	44314
Ion	Ratio	Lower	Upper
97	100		
83	84.0	69.3	103.9
85	55.3	43.8	65.6
99	60.4	50.0	75.0

Manual Integrations
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#56

Ethyl methacrylate

Concen: 58.964 ug/l

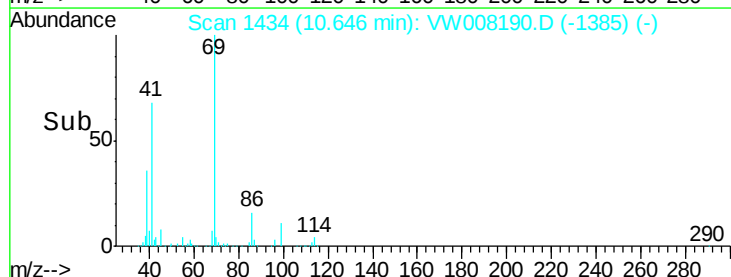
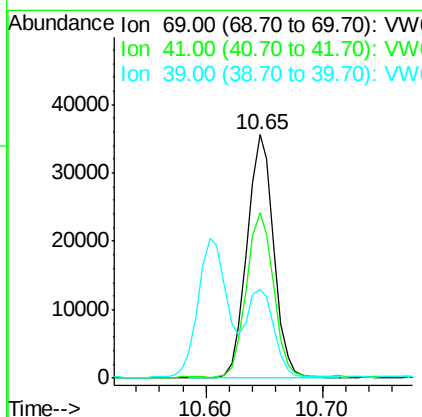
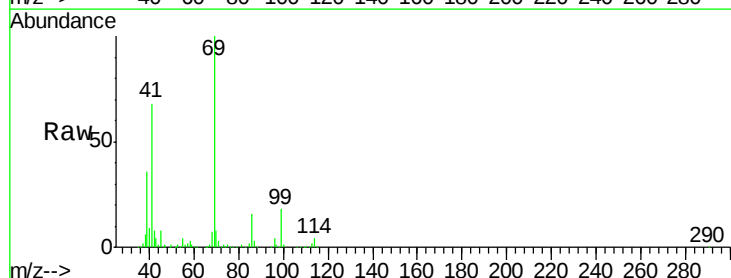
RT: 10.65 min Scan# 1434

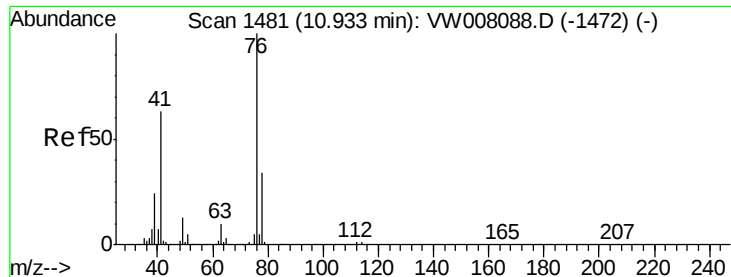
Delta R.T. -0.00 min

Lab File: VW008190.D

Acq: 11 Jan 2019 11:19

Tgt Ion:	69	Resp:	57085
Ion	Ratio	Lower	Upper
69	100		
41	68.4	56.4	84.6
39	36.0	28.1	42.1





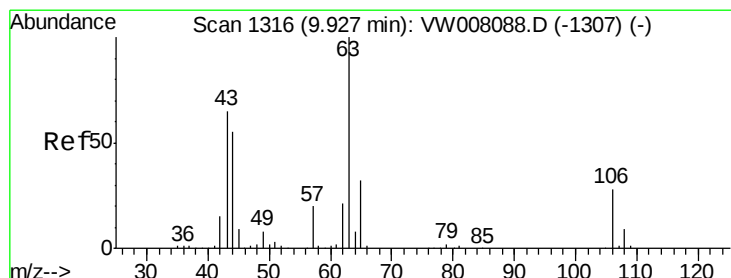
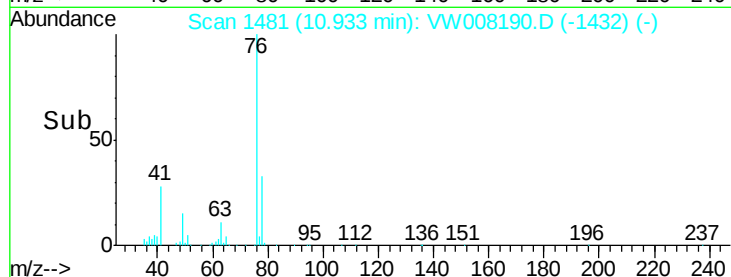
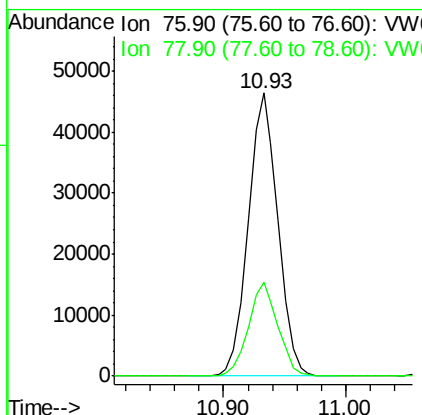
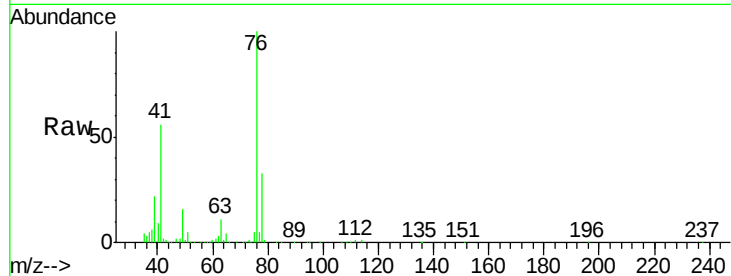
#57
 1,3-Dichloropropane
 Concen: 54.471 ug/l
 RT: 10.93 min Scan# 1481
 Delta R.T. -0.00 min
 Lab File: VW008190.D
 Acq: 11 Jan 2019 11:19

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050EC

Tot Ion: 76 Resp: 77878
 Ion Ratio Lower Upper
 76 100
 78 32.9 25.7 38.5

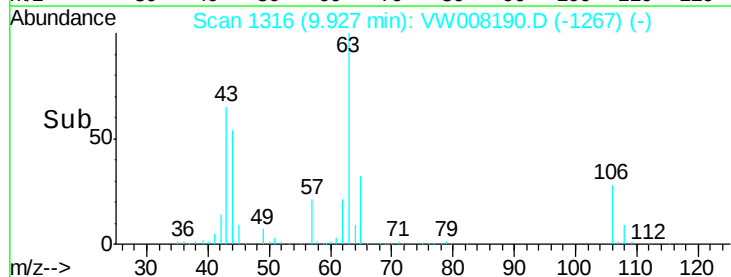
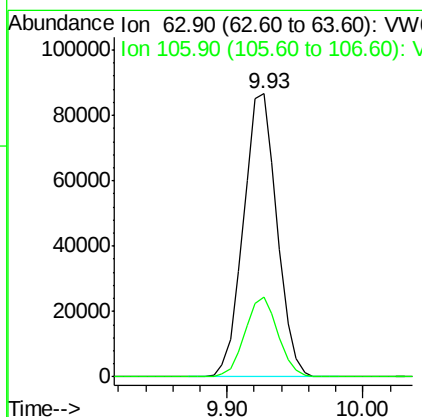
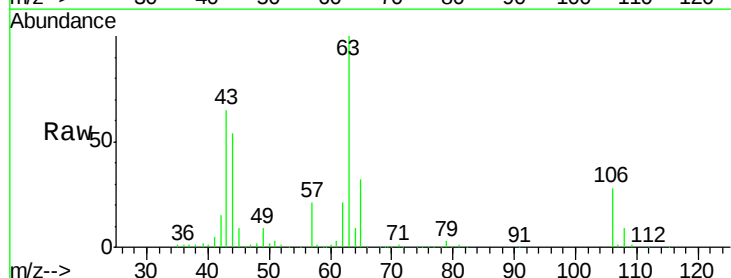
Manual Integrations
 APPROVED

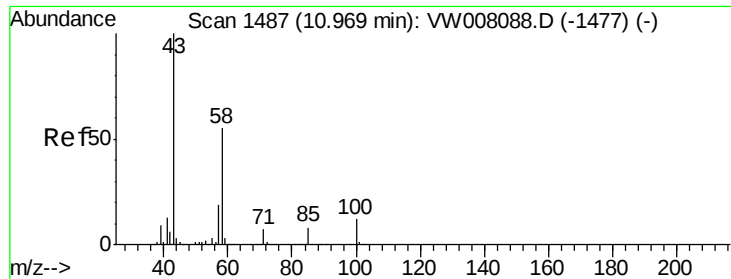
MMDadoda
 1/14/2019 10:45:01 PM



#58
 2-Chloroethyl Vinyl ether
 Concen: 298.508 ug/l
 RT: 9.93 min Scan# 1316
 Delta R.T. -0.00 min
 Lab File: VW008190.D
 Acq: 11 Jan 2019 11:19

Tgt Ion: 63 Resp: 149281
 Ion Ratio Lower Upper
 63 100
 106 27.8 21.8 32.6





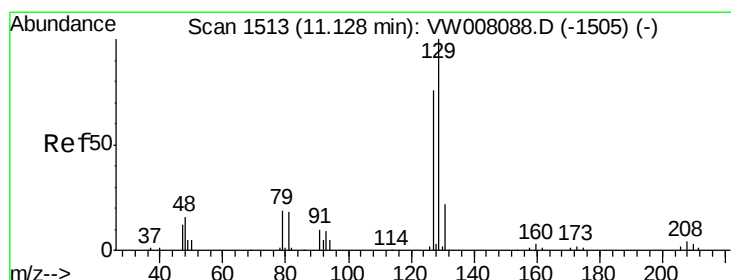
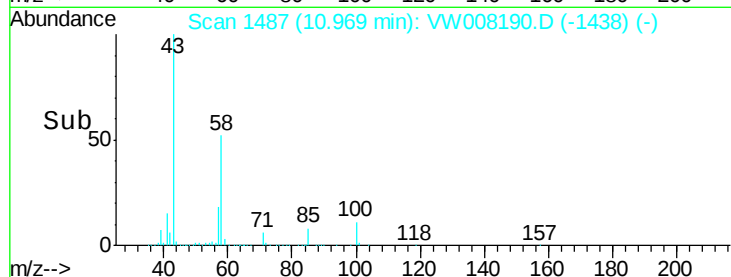
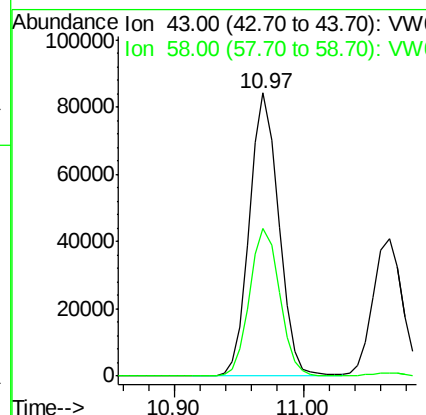
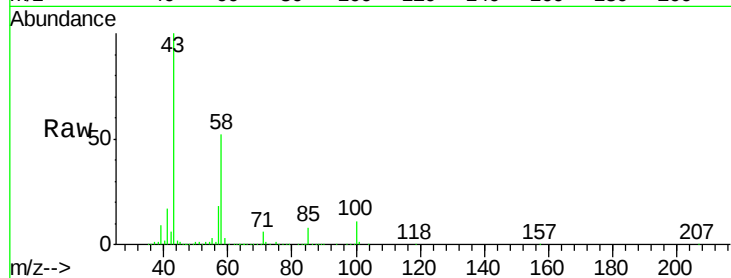
#59
2-Hexanone
Concen: 297.969 ug/l
RT: 10.97 min Scan# 1487
Delta R.T. -0.00 min
Lab File: VW008190.D
Acq: 11 Jan 2019 11:19

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tot Ion: 43 Resp: 131713
Ion Ratio Lower Upper
43 100
58 53.8 27.2 81.5

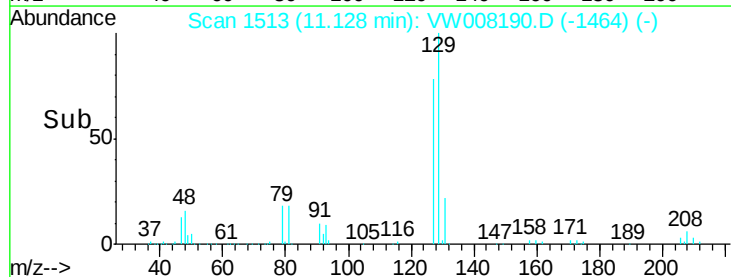
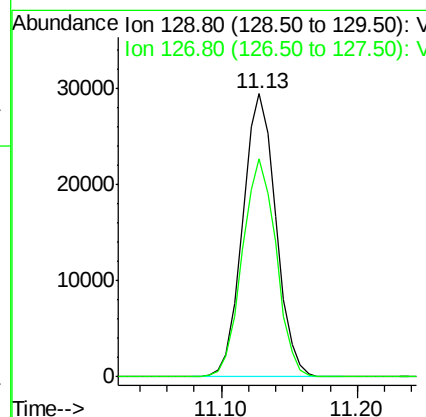
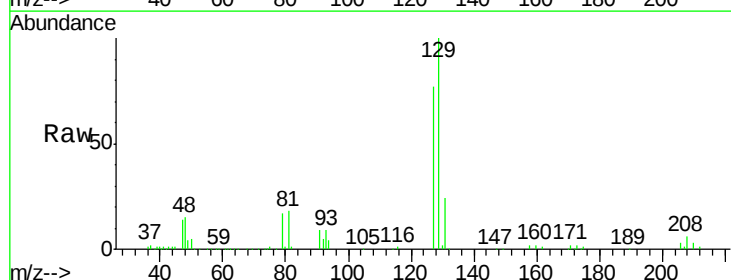
Manual Integrations
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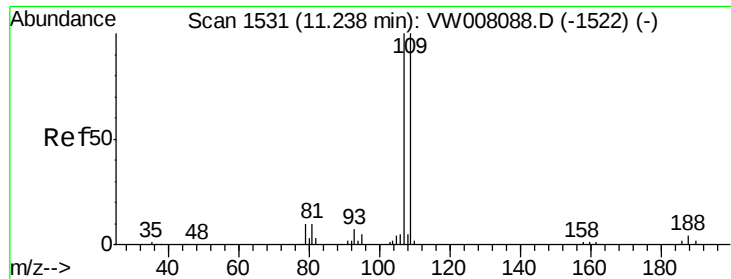
MMDadoda
1/14/2019 10:45:01 PM



#60
Dibromochloromethane
Concen: 58.392 ug/l
RT: 11.13 min Scan# 1513
Delta R.T. -0.00 min
Lab File: VW008190.D
Acq: 11 Jan 2019 11:19

Tgt Ion: 129 Resp: 50127
Ion Ratio Lower Upper
129 100
127 78.5 38.9 116.6





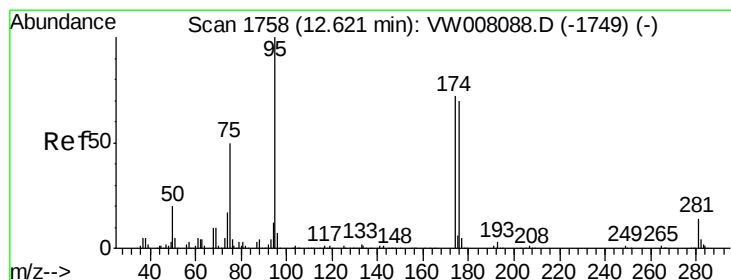
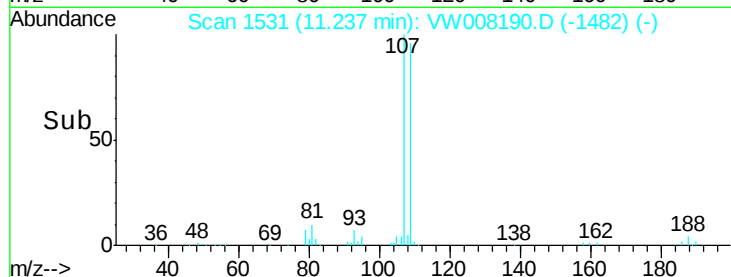
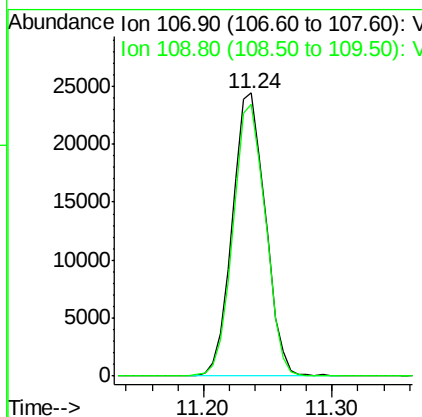
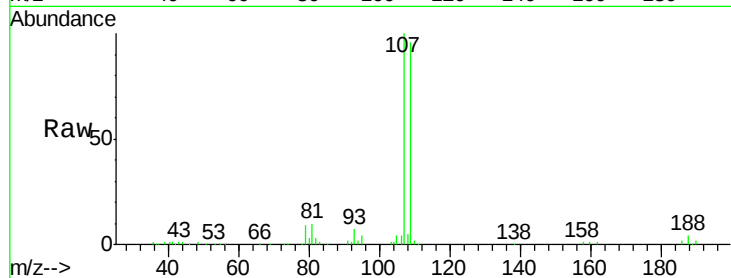
#61
 1,2-Dibromoethane
 Concen: 58.683 ug/l
 RT: 11.24 min Scan# 1531
 Delta R.T. -0.00 min
 Lab File: VW008190.D
 Acq: 11 Jan 2019 11:19

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050EC

Tot Ion: 107 Resp: 43530
 Ion Ratio Lower Upper
 107 100
 109 94.4 75.9 113.9

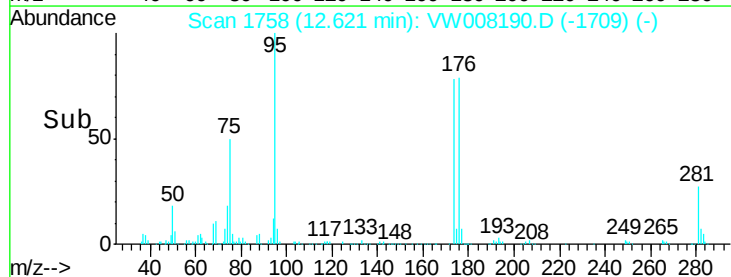
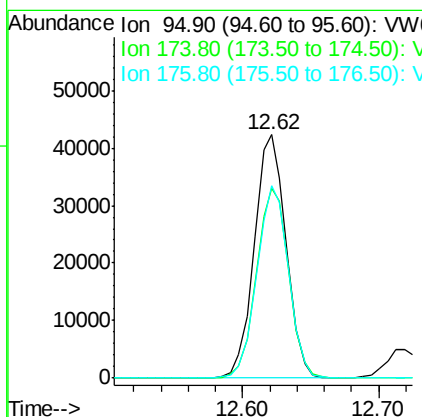
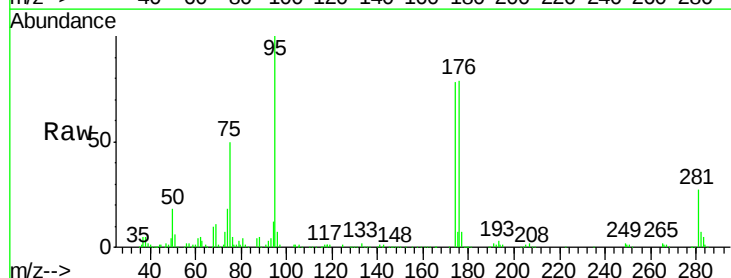
Manual Integrations
 APPROVED

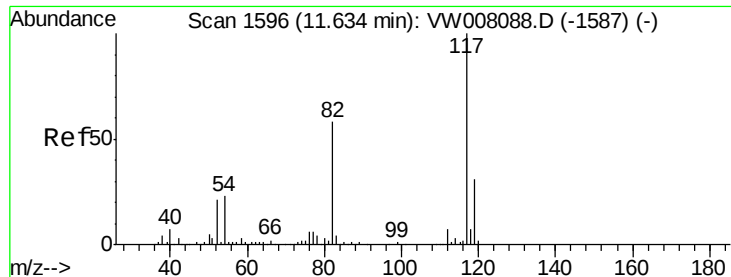
MMDadoda
 1/14/2019 10:45:01 PM



#62
 4-Bromofluorobenzene
 Concen: 48.188 ug/l
 RT: 12.62 min Scan# 1758
 Delta R.T. -0.00 min
 Lab File: VW008190.D
 Acq: 11 Jan 2019 11:19

Tgt Ion: 95 Resp: 69197
 Ion Ratio Lower Upper
 95 100
 174 79.0 0.0 143.0
 176 78.3 0.0 140.2





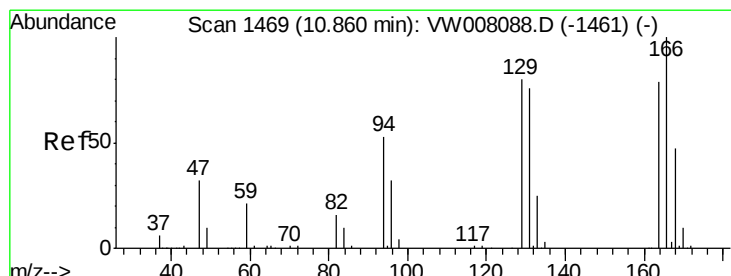
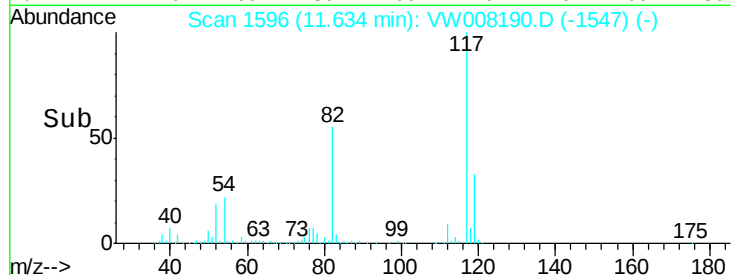
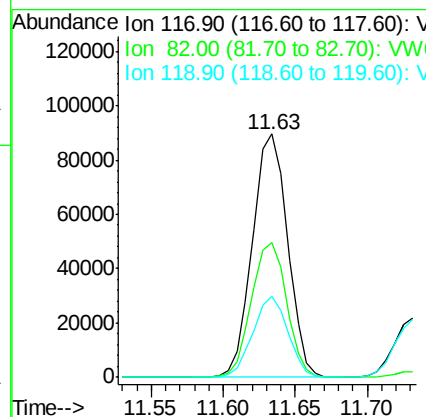
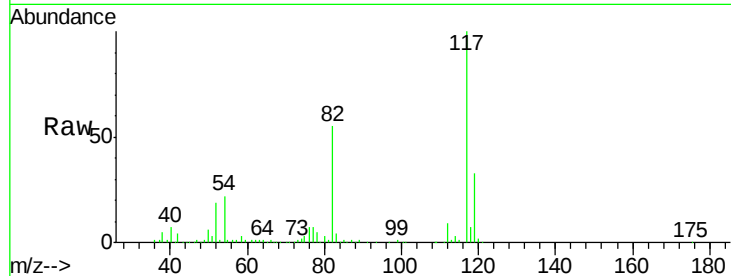
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1596
Delta R.T. -0.00 min
Lab File: VW008190.D
Acq: 11 Jan 2019 11:19

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
117	100		
82	55.2	46.4	69.6
119	33.0	24.7	37.1

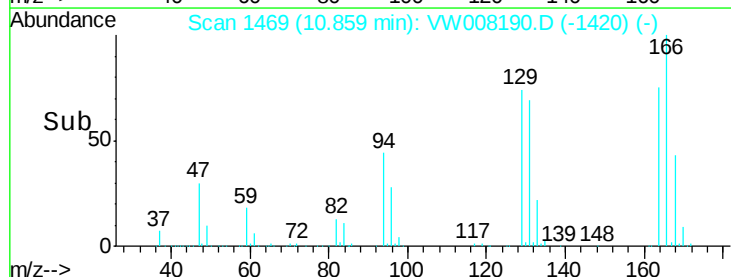
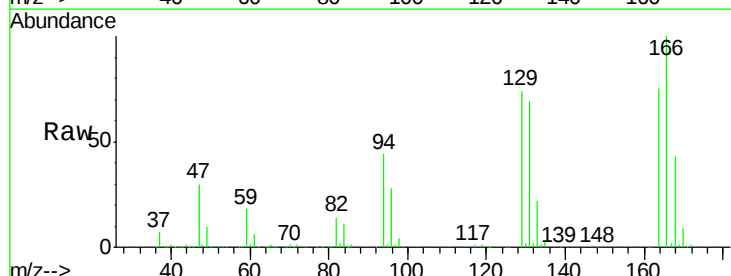
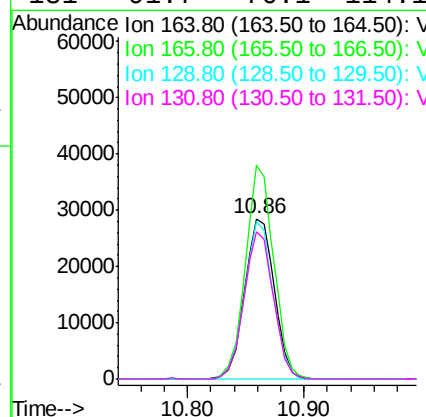
Manual Integrations
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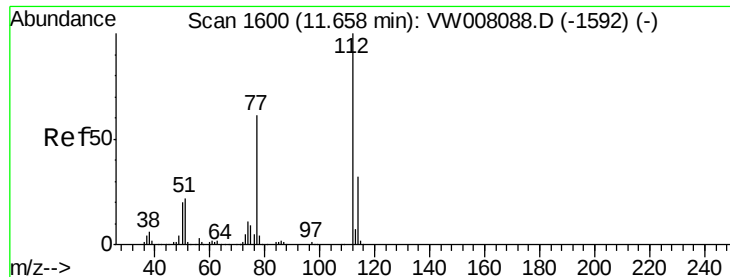
MMDadoda
1/14/2019 10:45:01 PM



#64
Tetrachloroethene
Concen: 51.302 ug/l
RT: 10.86 min Scan# 1469
Delta R.T. -0.00 min
Lab File: VW008190.D
Acq: 11 Jan 2019 11:19

Tgt Ion	Ratio	Lower	Upper
164	100		
166	133.0	100.7	151.1
129	98.2	81.0	121.4
131	91.7	76.1	114.1





#65

Chlorobenzene

Concen: 49.073 ug/l

RT: 11.66 min Scan# 1600

Delta R.T. -0.00 min

Lab File: VW008190.D

Acq: 11 Jan 2019 11:19

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

Tot Ion:112 Resp: 157221

Ion Ratio Lower Upper

112 100

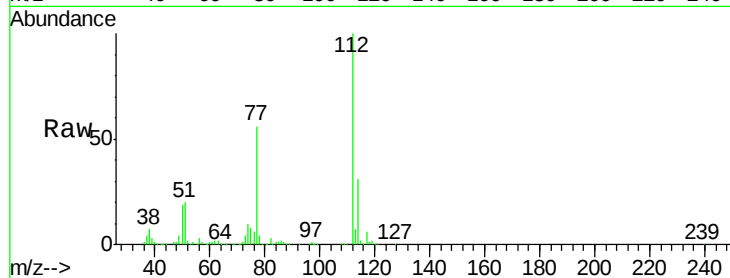
114 31.4 25.6 38.4

Manual Integrations

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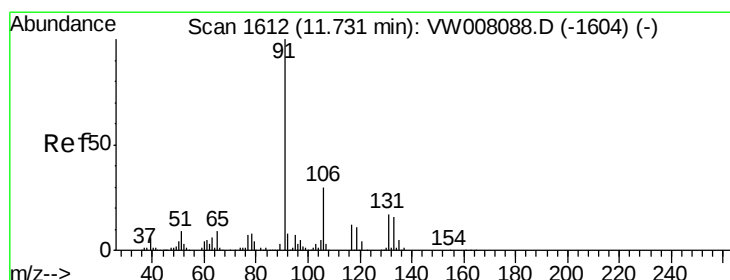
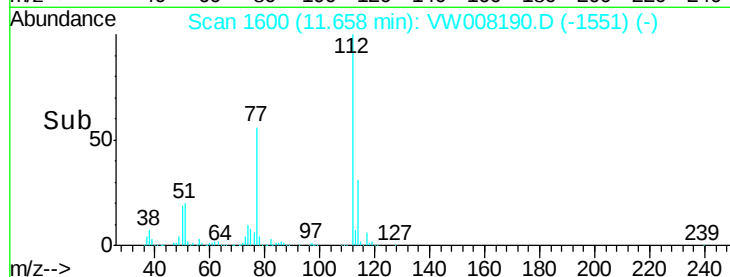
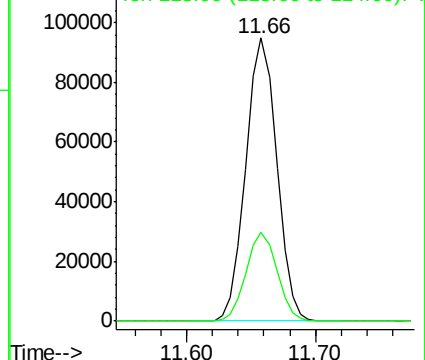
MMDadoda

1/14/2019 10:45:01 PM



Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V



#66

1,1,1,2-Tetrachloroethane

Concen: 52.114 ug/l

RT: 11.73 min Scan# 1612

Delta R.T. -0.00 min

Lab File: VW008190.D

Acq: 11 Jan 2019 11:19

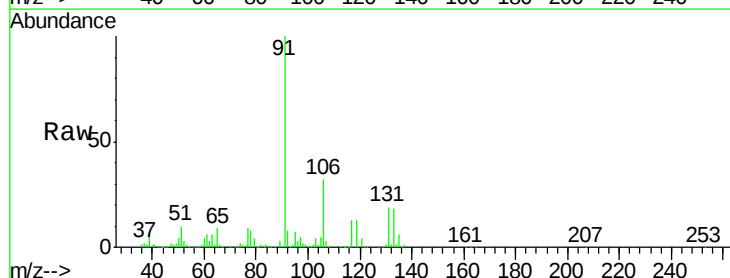
Tgt Ion:131 Resp: 54305

Ion Ratio Lower Upper

131 100

133 94.3 47.9 143.7

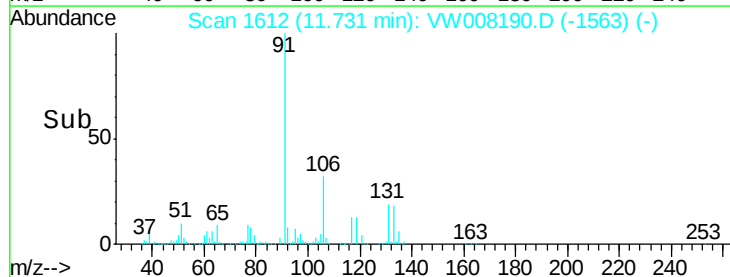
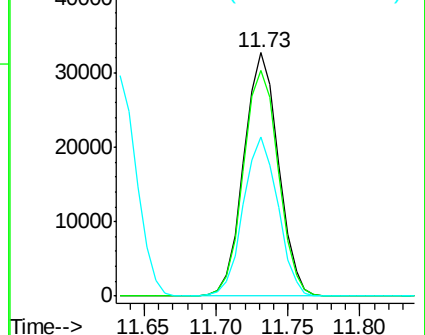
119 65.5 32.5 97.4

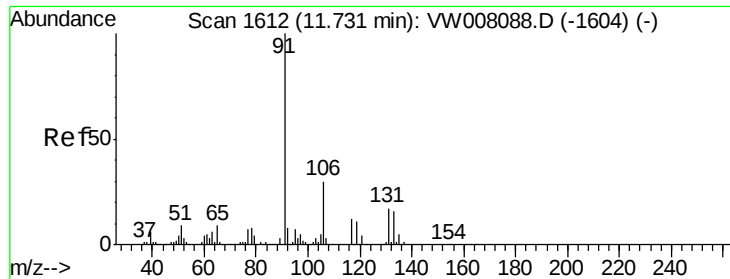


Abundance Ion 130.80 (130.50 to 131.50): V

Ion 132.80 (132.50 to 133.50): V

Ion 118.80 (118.50 to 119.50): V





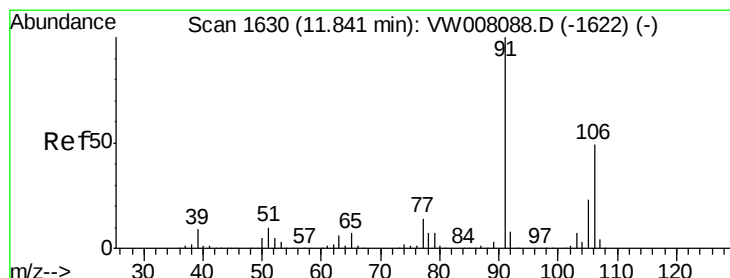
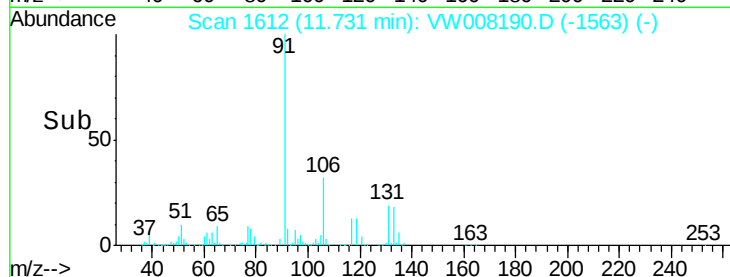
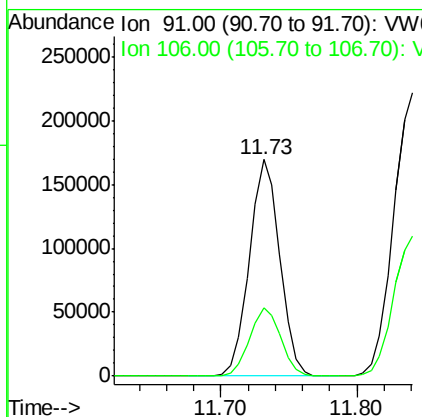
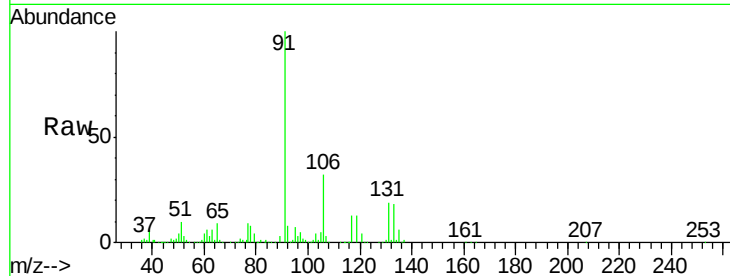
#67
Ethyl Benzene
Concen: 45.438 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. -0.00 min
Lab File: VW008190.D
Acq: 11 Jan 2019 11:19

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tot Ion: 91 Resp: 266363
Ion Ratio Lower Upper
91 100
106 31.7 24.2 36.4

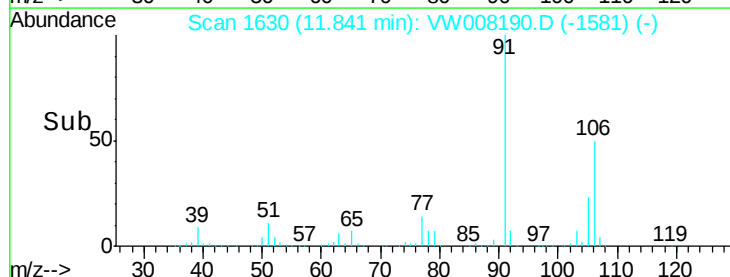
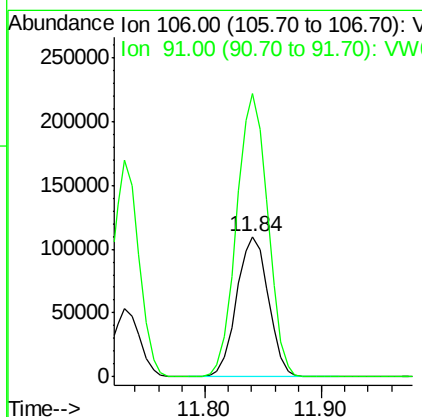
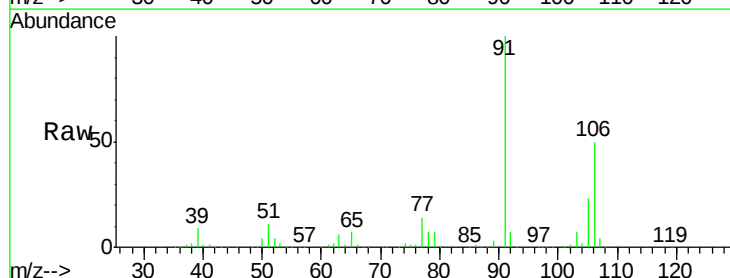
Manual Integrations
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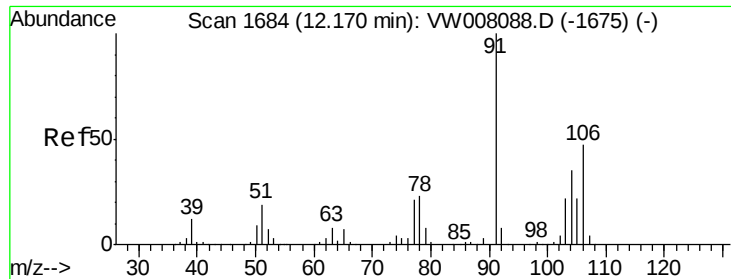
MMDadoda
1/14/2019 10:45:01 PM



#68
m/p-Xylenes
Concen: 93.199 ug/l
RT: 11.84 min Scan# 1630
Delta R.T. -0.00 min
Lab File: VW008190.D
Acq: 11 Jan 2019 11:19

Tgt Ion: 106 Resp: 208530
Ion Ratio Lower Upper
106 100
91 198.6 162.4 243.6





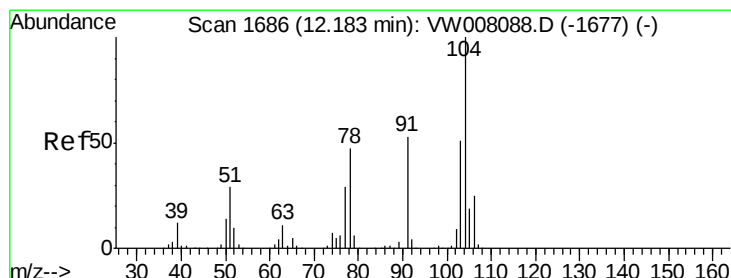
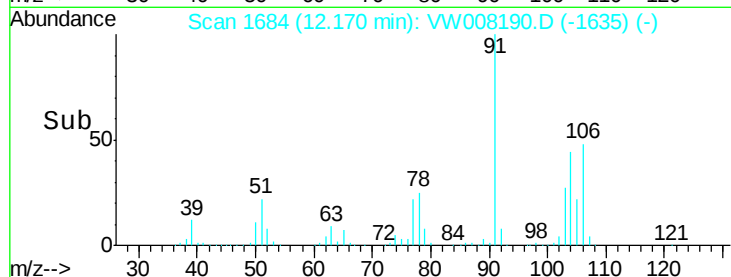
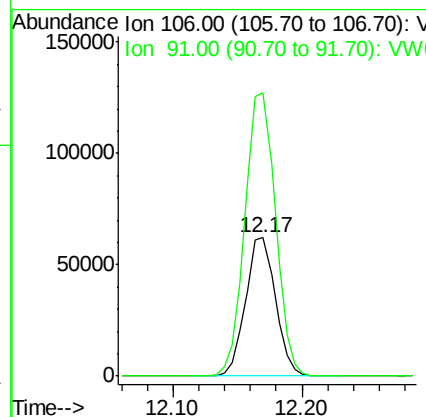
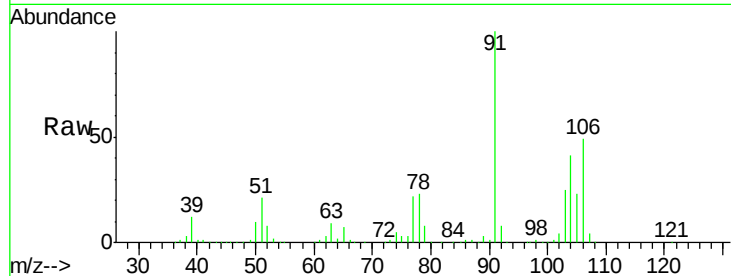
#69
o-Xylene
Concen: 48.118 ug/l
RT: 12.17 min Scan# 1684
Delta R.T. -0.00 min
Lab File: VW008190.D
Acq: 11 Jan 2019 11:19

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tot Ion:106 Resp: 99700
Ion Ratio Lower Upper
106 100
91 209.6 107.8 323.6

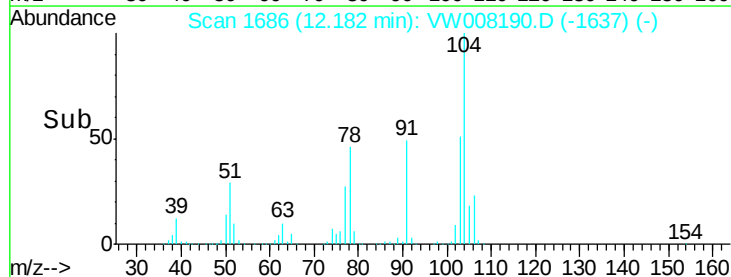
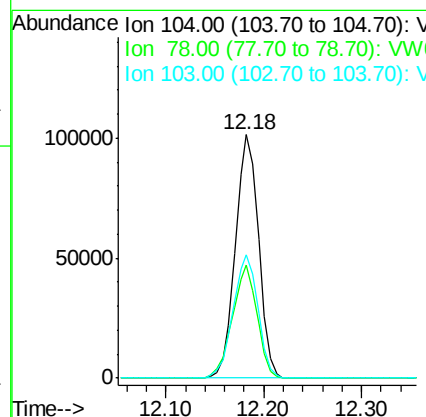
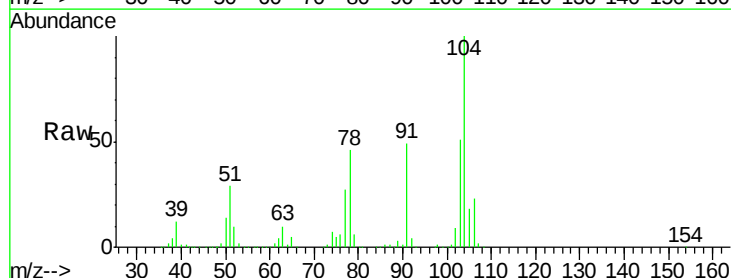
Manual Integrations
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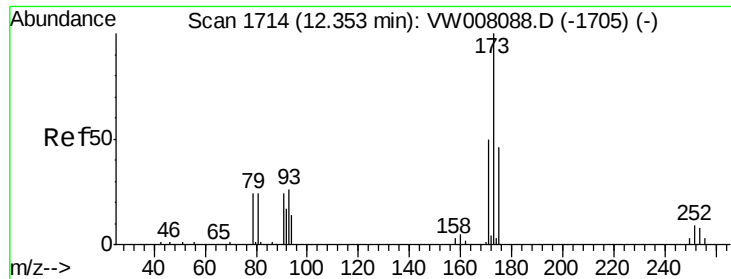
MMDadoda
1/14/2019 10:45:01 PM



#70
Styrene
Concen: 51.367 ug/l
RT: 12.18 min Scan# 1686
Delta R.T. -0.00 min
Lab File: VW008190.D
Acq: 11 Jan 2019 11:19

Tgt Ion:104 Resp: 166707
Ion Ratio Lower Upper
104 100
78 49.3 41.8 62.8
103 54.2 43.8 65.8





#71

Bromoform

Concen: 62.704 ug/l

RT: 12.35 min Scan# 1714

Delta R.T. -0.00 min

Lab File: VW008190.D

Acq: 11 Jan 2019 11:19

Instrument :

MSVOA_W

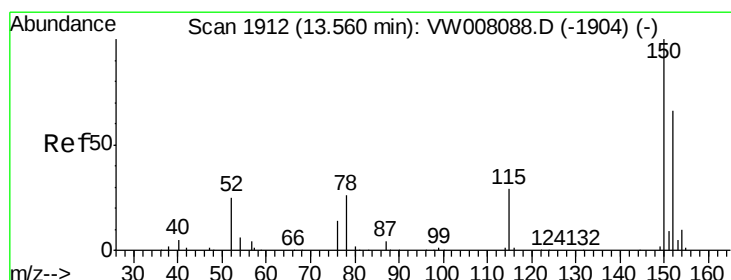
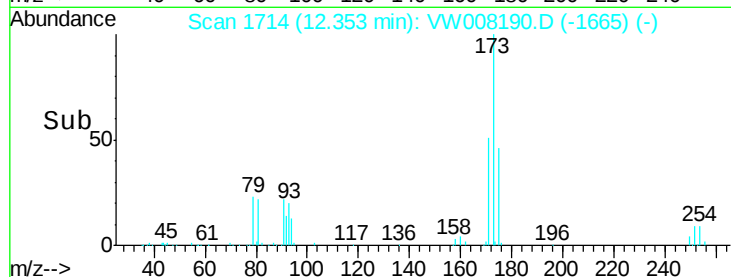
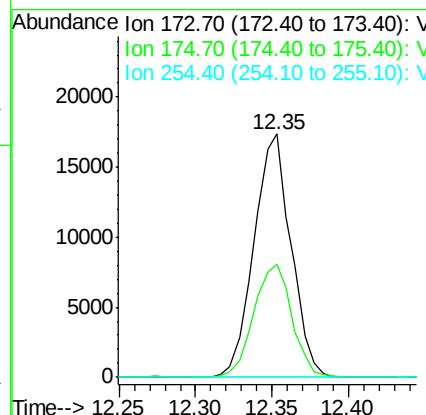
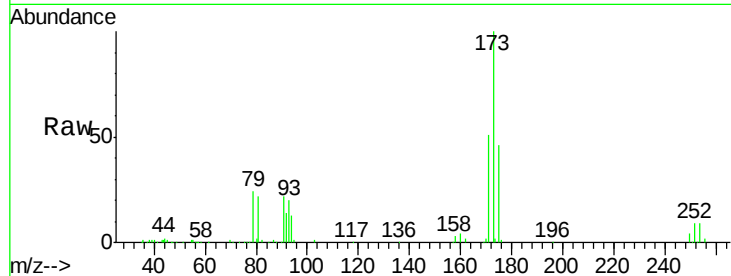
ClientSampleId :

VSTDCCC050EC

Tot Ion:	173	Resp:	29243
Ion Ratio	Lower	Upper	
173	100		
175	47.8	23.3	69.8
254	0.0	0.0	0.0

Manual Integrations
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1/14/2019 10:45:01 PM



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

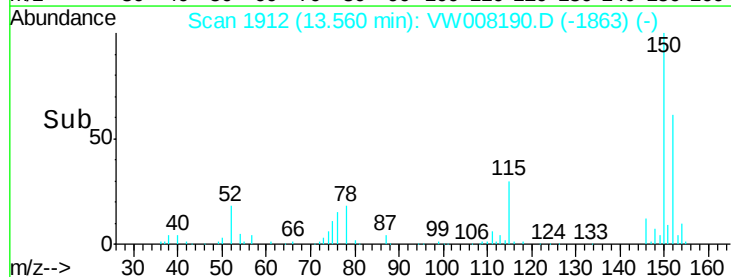
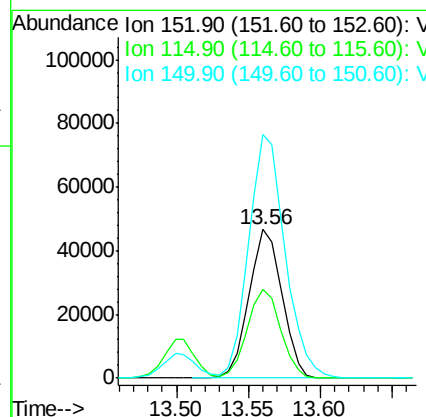
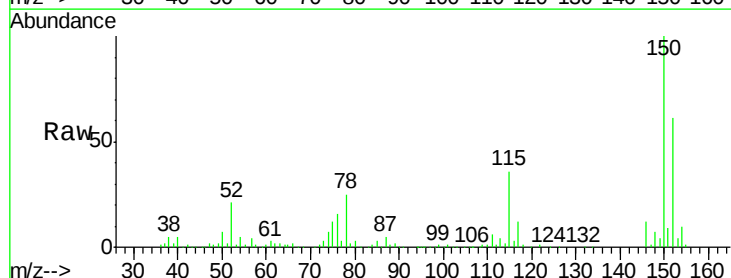
RT: 13.56 min Scan# 1912

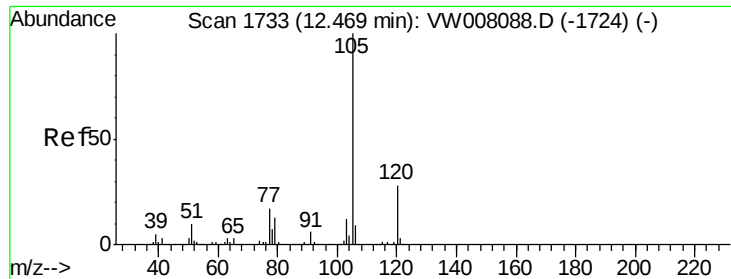
Delta R.T. -0.00 min

Lab File: VW008190.D

Acq: 11 Jan 2019 11:19

Tgt Ion:	152	Resp:	73756
Ion Ratio	Lower	Upper	
152	100		
115	60.1	30.8	92.4
150	180.2	0.0	350.2





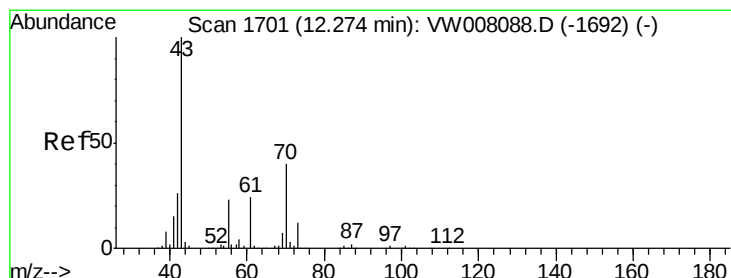
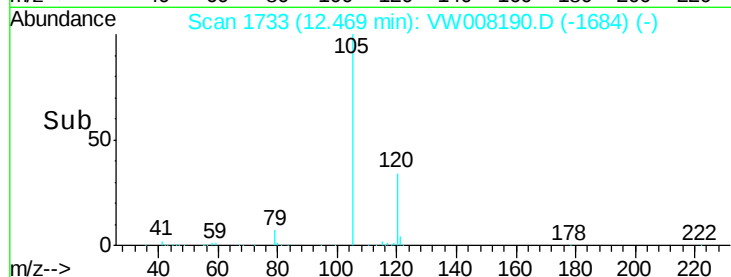
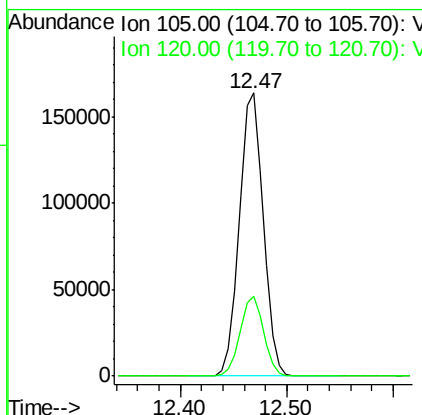
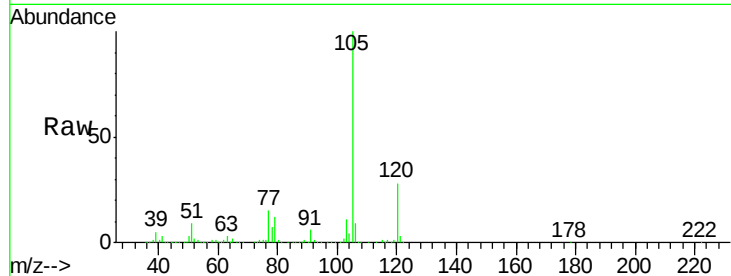
#73
Isopropylbenzene
Concen: 44.796 ug/l
RT: 12.47 min Scan# 1733
Delta R.T. -0.00 min
Lab File: VW008190.D
Acq: 11 Jan 2019 11:19

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
105	100		
120	27.4	13.6	40.8

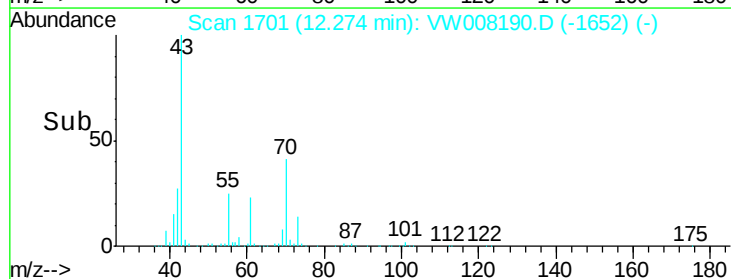
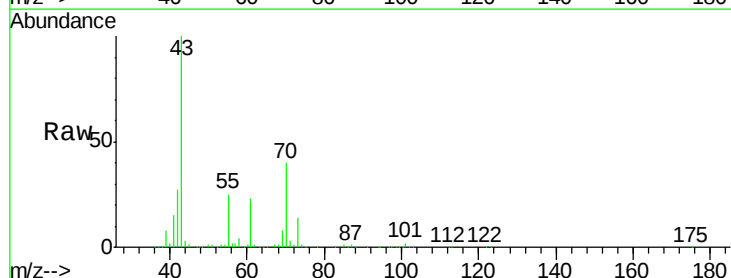
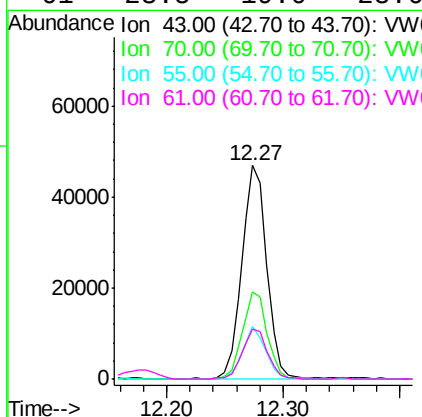
Manual Integrations
APPROVED

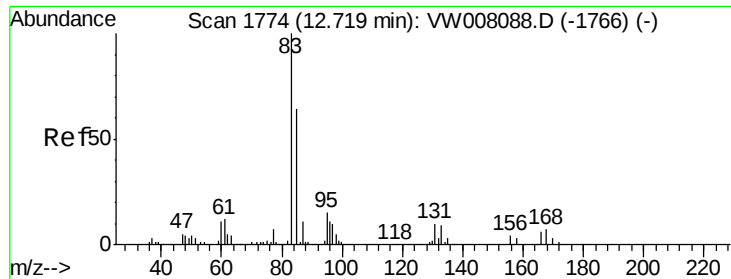
MMDadoda
1/14/2019 10:45:01 PM



#74
N-ethyl acetate
Concen: 54.846 ug/l
RT: 12.27 min Scan# 1701
Delta R.T. -0.00 min
Lab File: VW008190.D
Acq: 11 Jan 2019 11:19

Tgt Ion	Ratio	Lower	Upper
43	100		
70	40.7	32.4	48.6
55	23.3	18.7	28.1
61	23.5	19.0	28.6





#75

1,1,2,2-Tetrachloroethane

Concen: 56.549 ug/l

RT: 12.72 min Scan# 1774

Delta R.T. -0.00 min

Lab File: VW008190.D

Acq: 11 Jan 2019 11:19

Instrument :

MSVOA_W

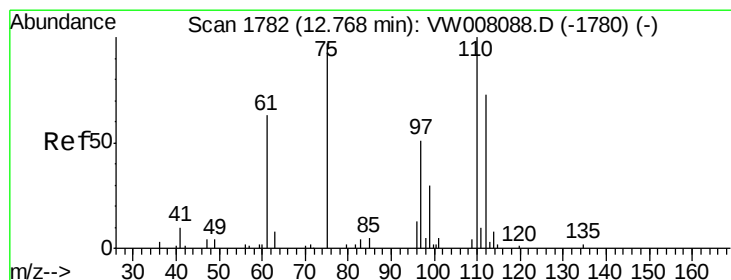
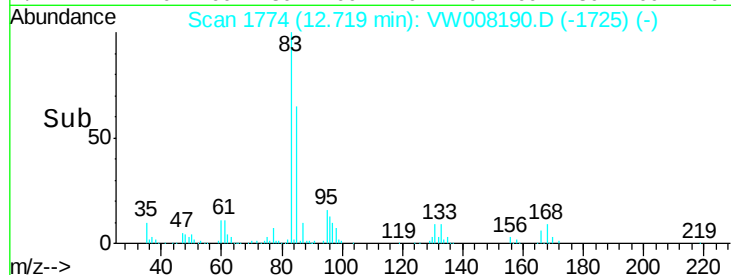
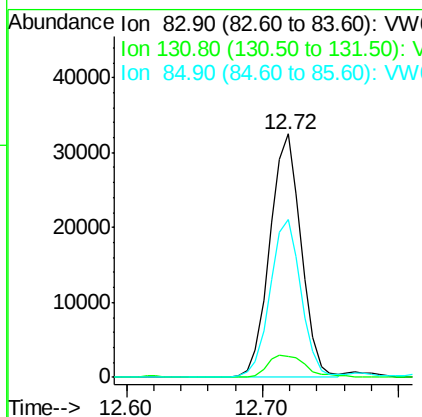
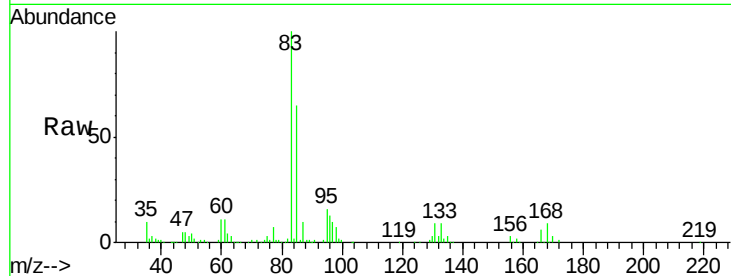
ClientSampleId :

VSTDCCC050EC

Tot Ion:	83	Resp:	52413
Ion Ratio	Lower	Upper	
83	100		
131	11.1	5.3	16.1
85	64.5	32.4	97.2

Manual Integrations
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#76

1,2,3-Trichloropropane

Concen: 56.908 ug/l m

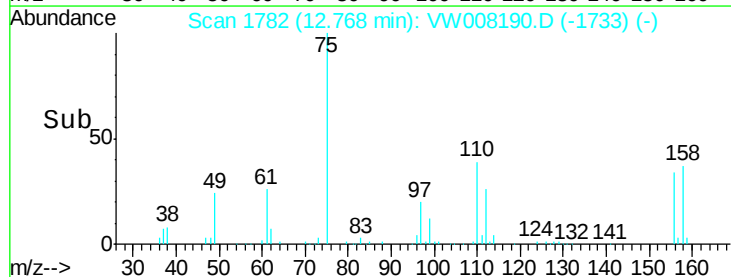
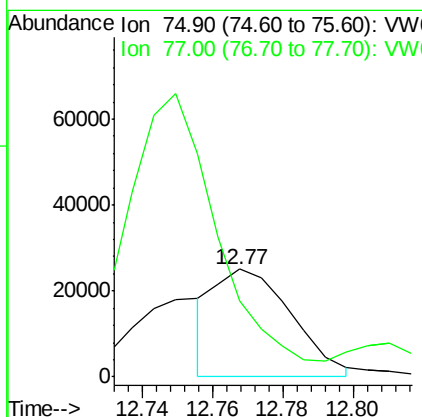
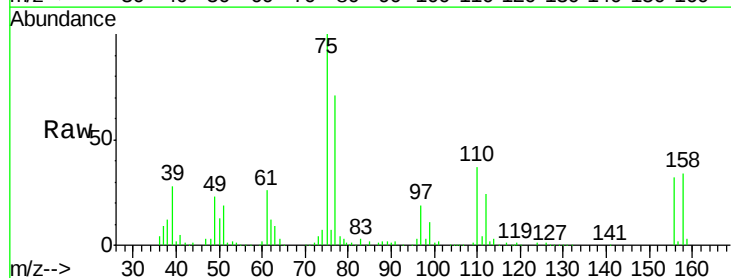
RT: 12.77 min Scan# 1782

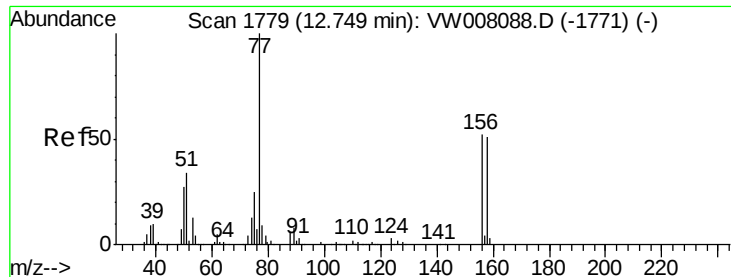
Delta R.T. -0.00 min

Lab File: VW008190.D

Acq: 11 Jan 2019 11:19

Tgt Ion:	75	Resp:	38263
Ion Ratio	Lower	Upper	
75	100		
77	315.6	179.4	538.2





#77

Bromobenzene

Concen: 50.258 ug/l

RT: 12.75 min Scan# 1779

Delta R.T. -0.00 min

Lab File: VW008190.D

Acq: 11 Jan 2019 11:19

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

Tot Ion:156 Resp: 61492

Ion Ratio Lower Upper

156 100

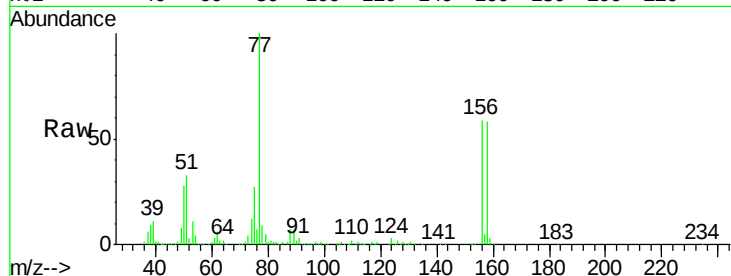
77 196.4 104.2 312.5

158 100.4 47.9 143.6

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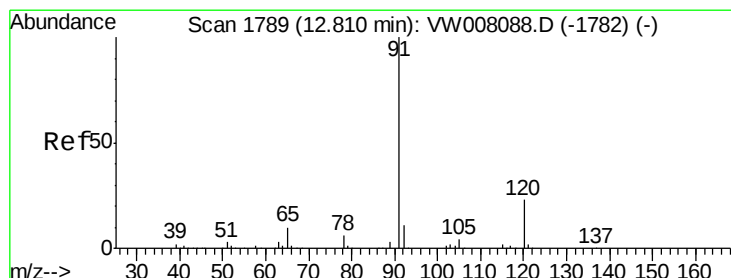
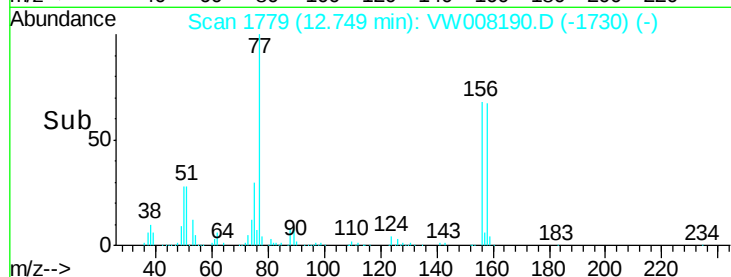
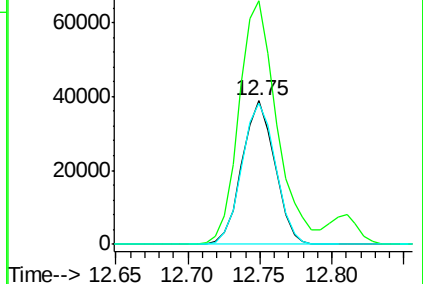
1/14/2019 10:45:01 PM



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VW

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 44.269 ug/l

RT: 12.81 min Scan# 1789

Delta R.T. -0.00 min

Lab File: VW008190.D

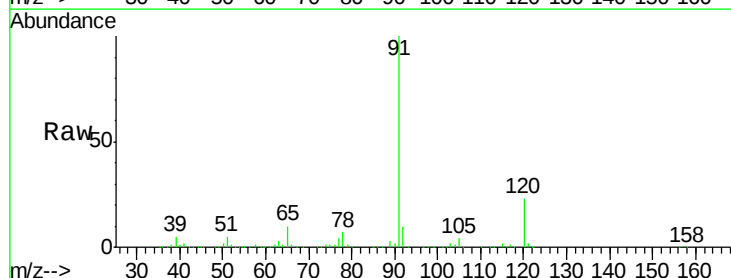
Acq: 11 Jan 2019 11:19

Tgt Ion: 91 Resp: 314093

Ion Ratio Lower Upper

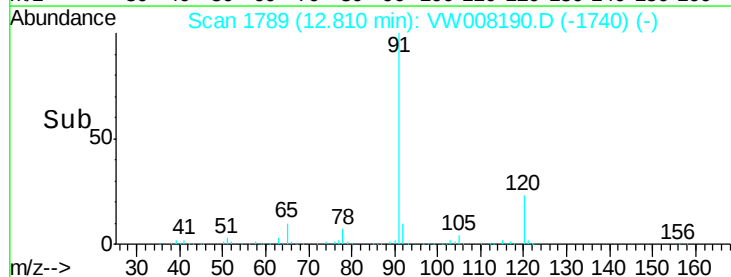
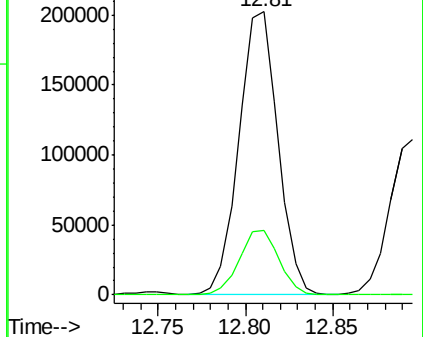
91 100

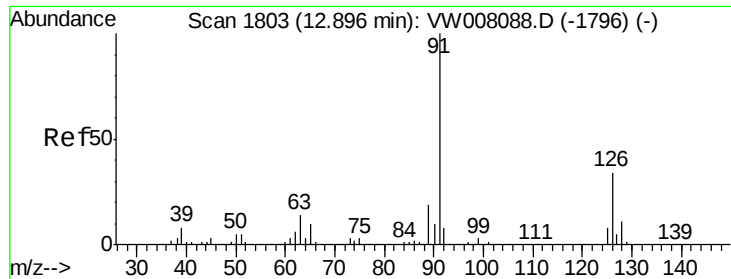
120 23.1 11.3 33.8



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 45.827 ug/l

RT: 12.90 min Scan# 1803

Delta R.T. -0.00 min

Lab File: VW008190.D

Acq: 11 Jan 2019 11:19

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

Tot Ion: 91 Resp: 181401

Ion Ratio Lower Upper

91 100

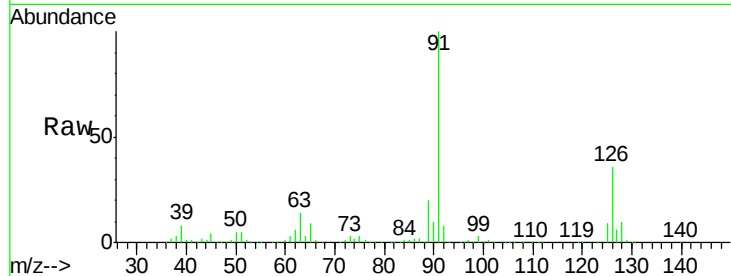
126 34.8 16.8 50.3

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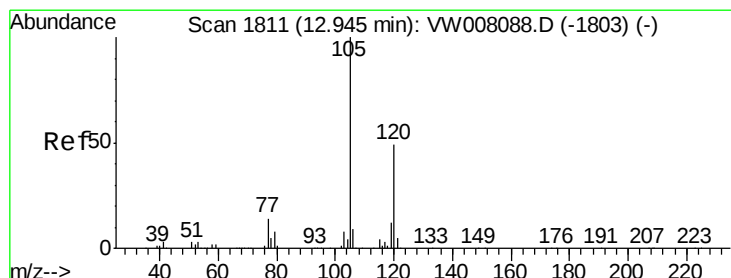
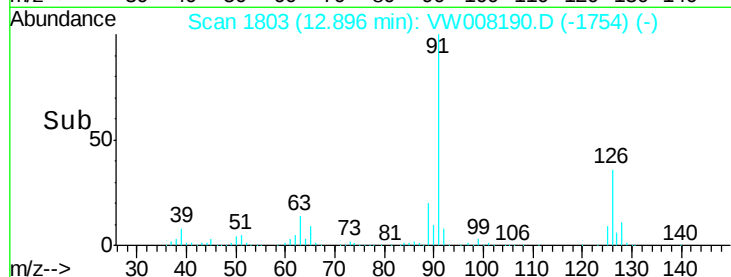
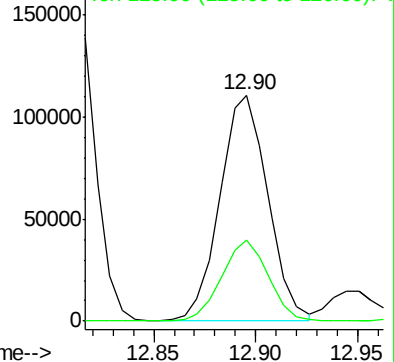
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Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 125.90 (125.60 to 126.60): V



#80

1,3,5-Trimethylbenzene

Concen: 45.966 ug/l

RT: 12.94 min Scan# 1811

Delta R.T. -0.00 min

Lab File: VW008190.D

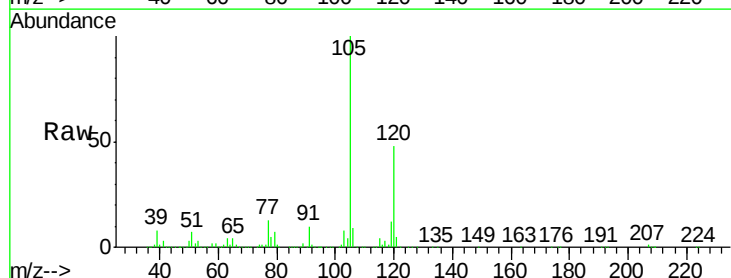
Acq: 11 Jan 2019 11:19

Tgt Ion:105 Resp: 218724

Ion Ratio Lower Upper

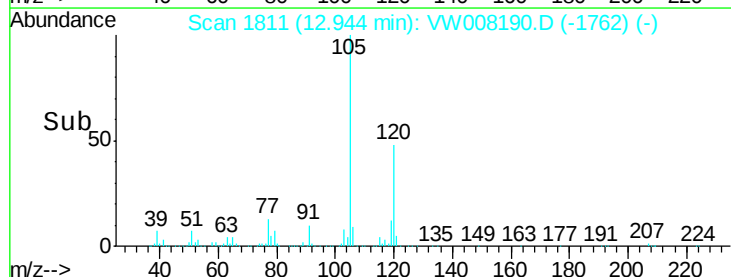
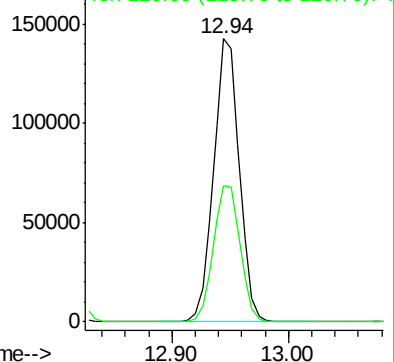
105 100

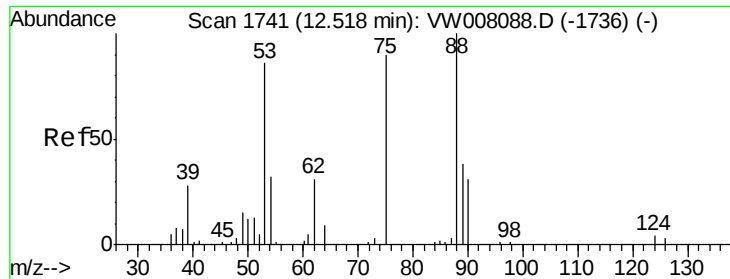
120 50.5 24.7 74.1



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#81

trans-1,4-Dichloro-2-butene

Concen: 52.717 ug/l

RT: 12.51 min Scan# 1740

Delta R.T. -0.01 min

Lab File: VW008190.D

Acq: 11 Jan 2019 11:19

Instrument :

MSVOA_W

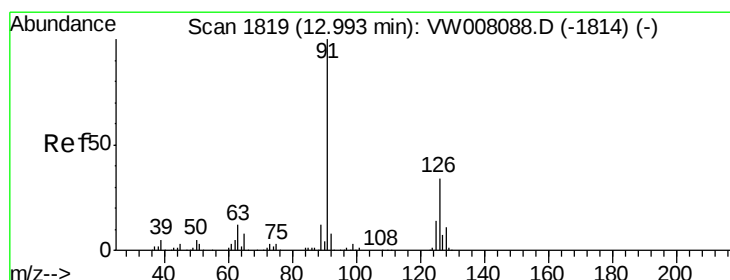
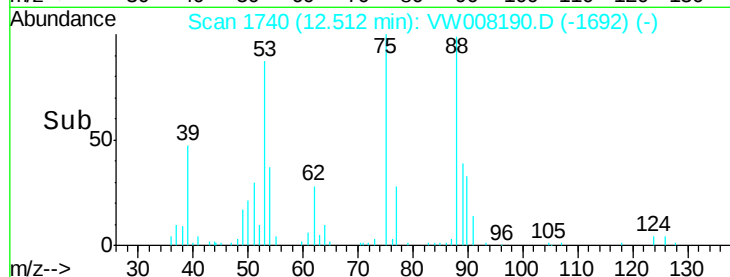
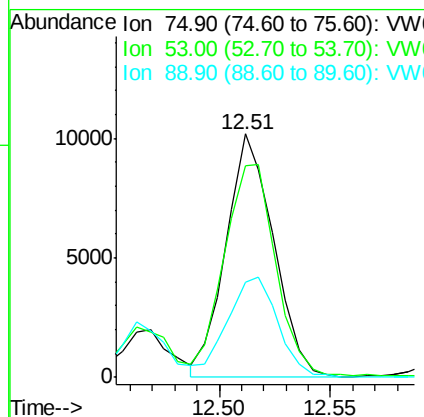
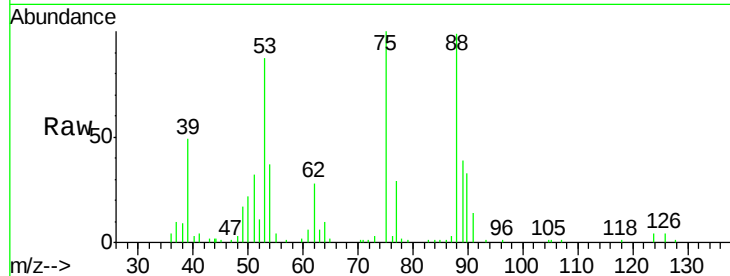
ClientSampleId :

VSTDCCC050EC

Tot Ion:	75	Resp:	15221
Ion Ratio	Lower	Upper	
75	100		
53	96.1	78.8	118.2
89	43.5	35.4	53.2

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#82

4-Chlorotoluene

Concen: 45.331 ug/l

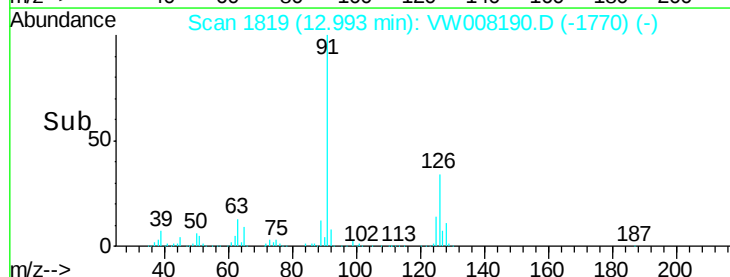
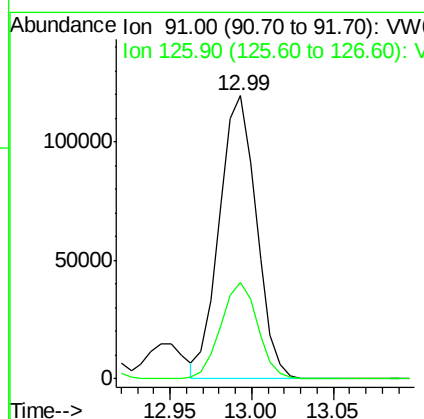
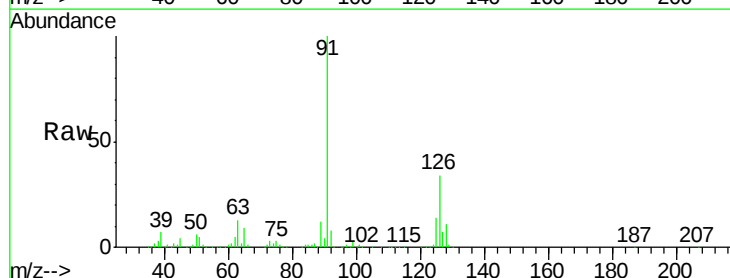
RT: 12.99 min Scan# 1819

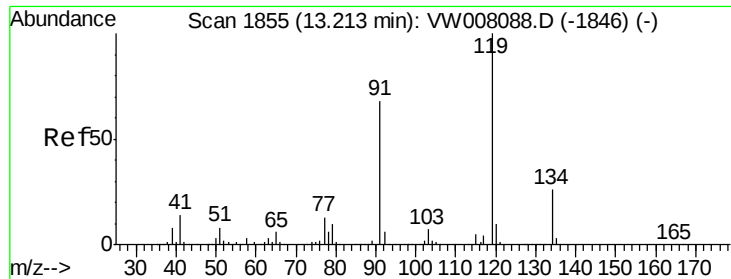
Delta R.T. -0.00 min

Lab File: VW008190.D

Acq: 11 Jan 2019 11:19

Tgt Ion:	91	Resp:	188984
Ion Ratio	Lower	Upper	
91	100		
126	34.0	16.5	49.5





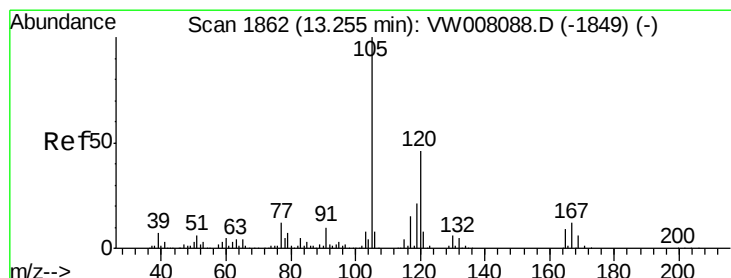
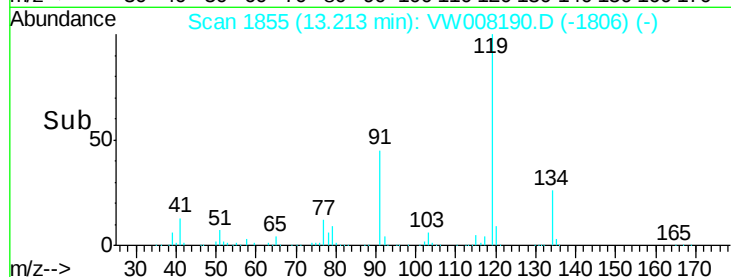
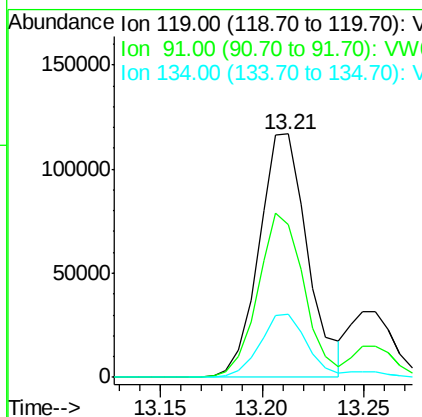
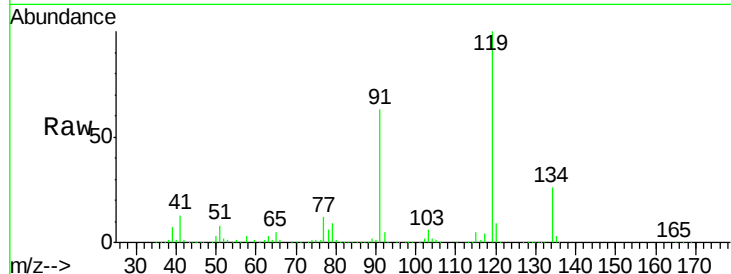
#83
tert-Butylbenzene
Concen: 46.063 ug/l
RT: 13.21 min Scan# 1855
Delta R.T. -0.00 min
Lab File: VW008190.D
Acq: 11 Jan 2019 11:19

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
119	100	193915		
91	63.9	33.9	101.6	
134	27.1	13.6	40.8	

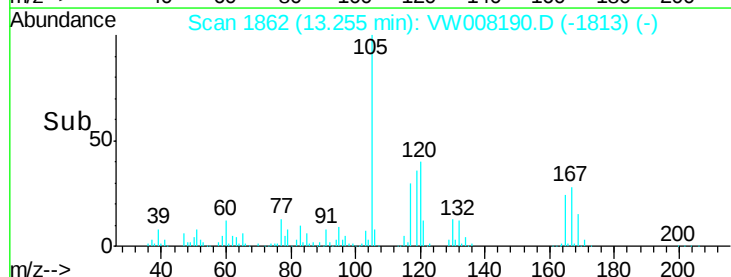
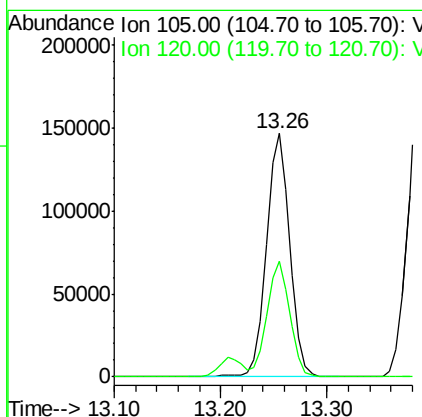
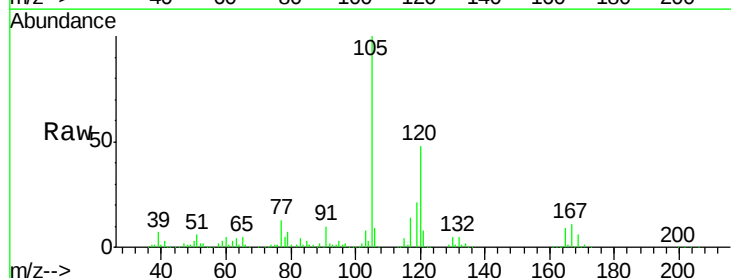
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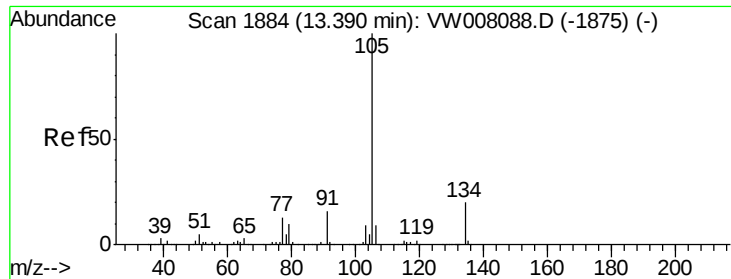
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#84
1,2,4-Trimethylbenzene
Concen: 45.669 ug/l
RT: 13.26 min Scan# 1862
Delta R.T. -0.00 min
Lab File: VW008190.D
Acq: 11 Jan 2019 11:19

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	224129		
120	46.7	22.7	68.1	





#85

sec-Butylbenzene

Concen: 44.191 ug/l

RT: 13.39 min Scan# 1884

Delta R.T. -0.00 min

Lab File: VW008190.D

Acq: 11 Jan 2019 11:19

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

Tot Ion:105 Resp: 272507

Ion Ratio Lower Upper

105 100

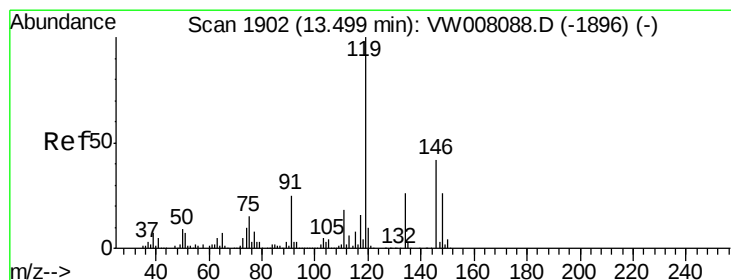
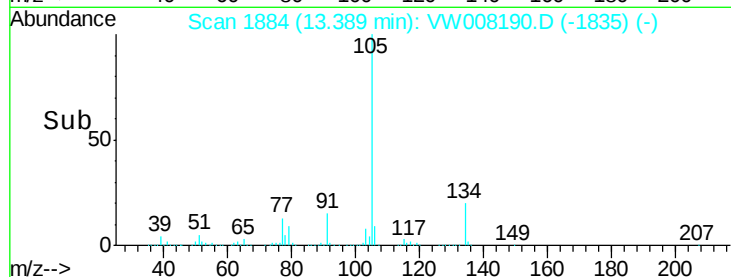
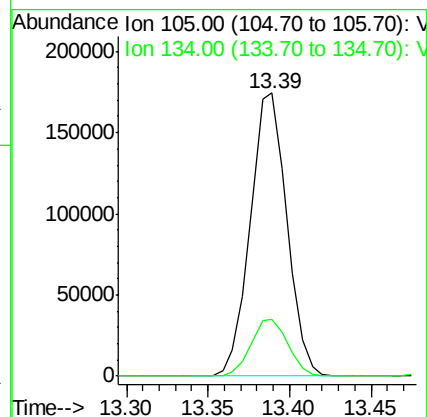
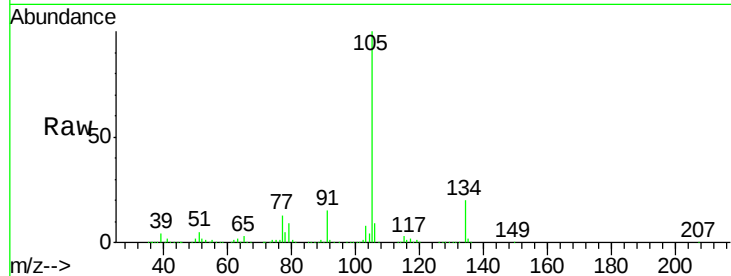
134 20.4 10.1 30.1

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#86

p-Isopropyltoluene

Concen: 44.525 ug/l

RT: 13.50 min Scan# 1902

Delta R.T. -0.00 min

Lab File: VW008190.D

Acq: 11 Jan 2019 11:19

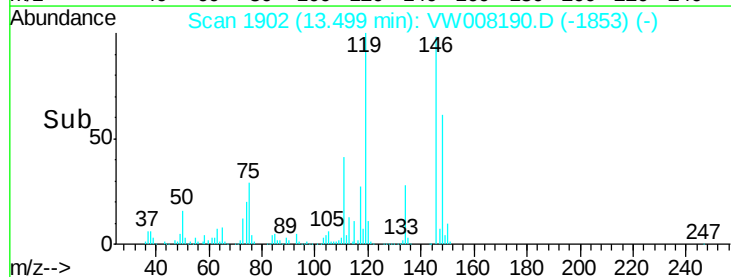
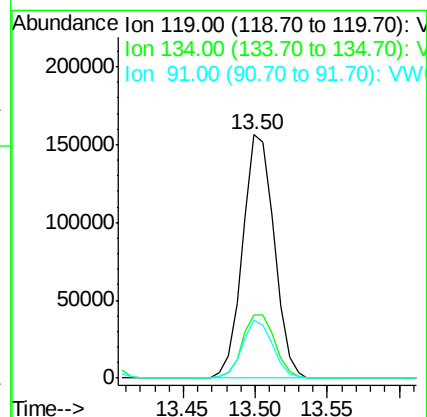
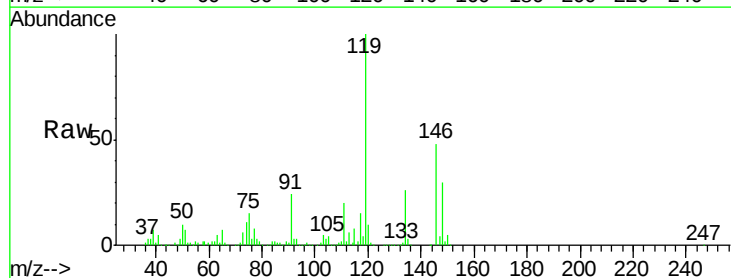
Tgt Ion:119 Resp: 237100

Ion Ratio Lower Upper

119 100

134 27.0 13.3 39.8

91 23.1 12.3 36.9





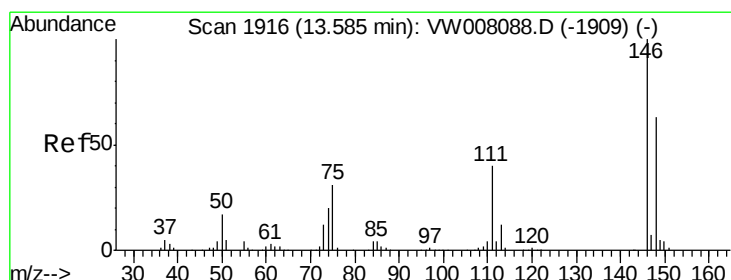
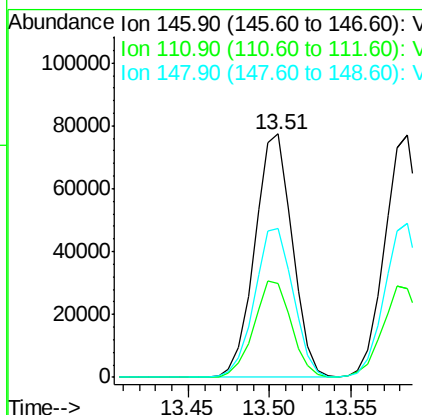
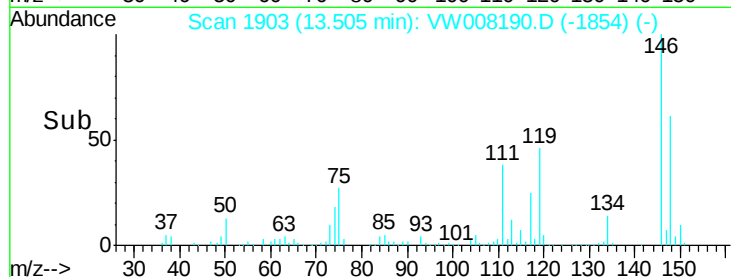
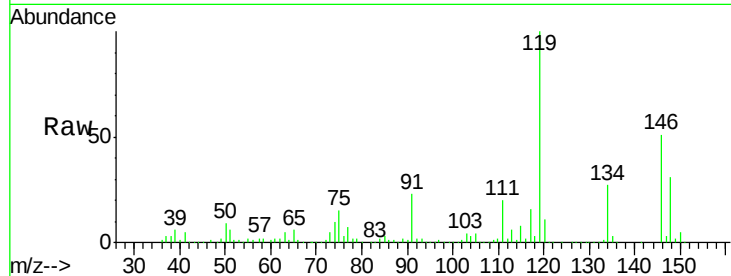
#87
 1,3-Dichlorobenzene
 Concen: 49.896 ug/l
 RT: 13.51 min Scan# 1903
 Delta R.T. -0.00 min
 Lab File: VW008190.D
 Acq: 11 Jan 2019 11:19

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
146	100		
111	39.5	21.1	63.1
148	63.2	31.3	93.9

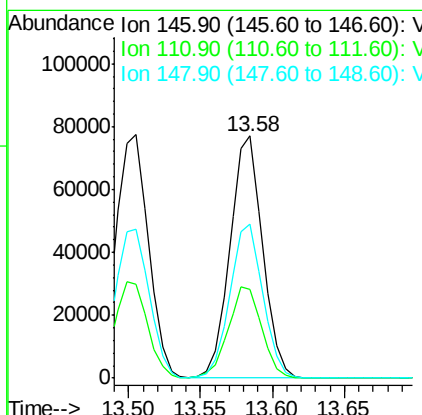
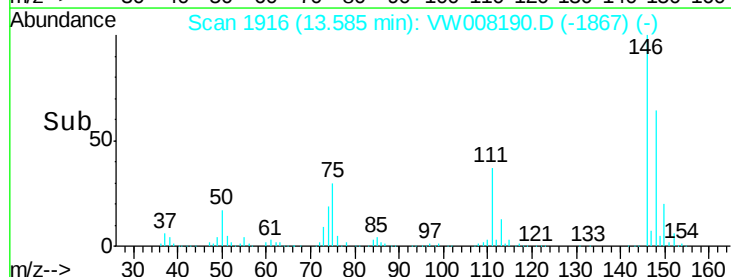
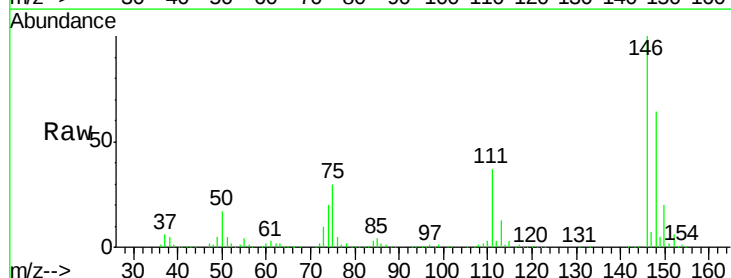
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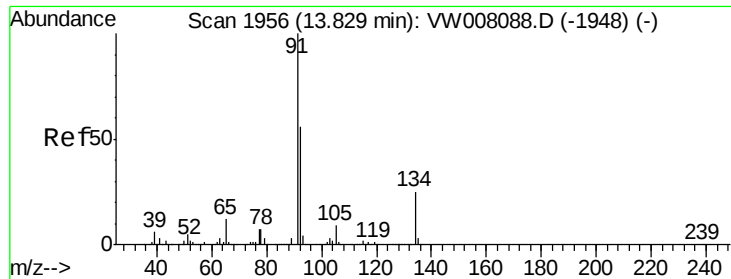
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#88
 1,4-Dichlorobenzene
 Concen: 48.909 ug/l
 RT: 13.58 min Scan# 1916
 Delta R.T. -0.00 min
 Lab File: VW008190.D
 Acq: 11 Jan 2019 11:19

Tgt Ion	Ratio	Lower	Upper
146	100		
111	38.8	20.5	61.5
148	64.3	31.6	94.8





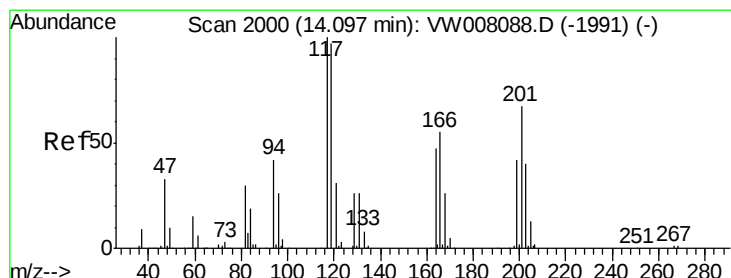
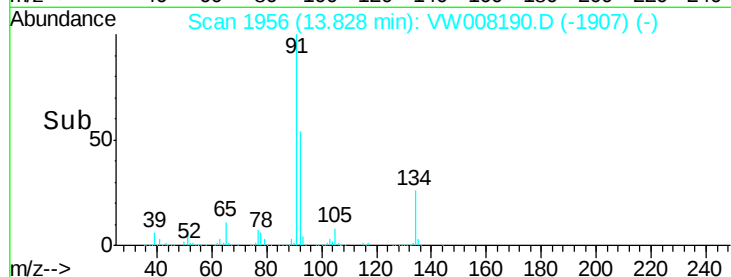
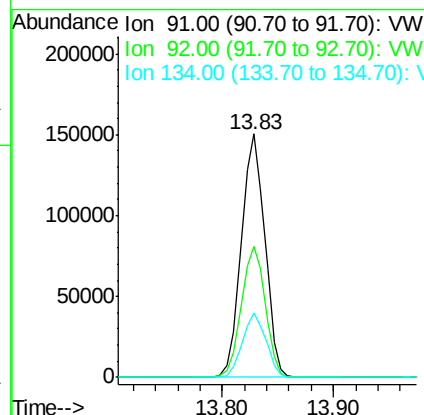
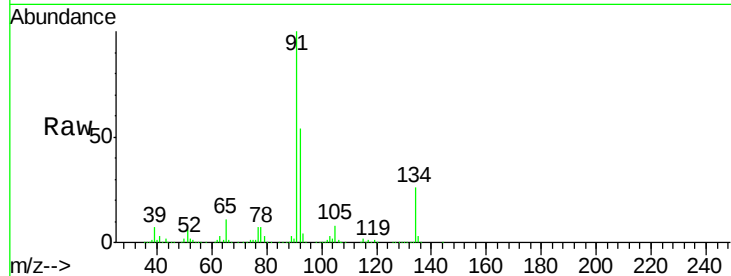
#89
n-Butylbenzene
Concen: 42.200 ug/l
RT: 13.83 min Scan# 1956
Delta R.T. -0.00 min
Lab File: VW008190.D
Acq: 11 Jan 2019 11:19

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
91	100		
92	54.6	27.4	82.2
134	26.4	12.6	37.8

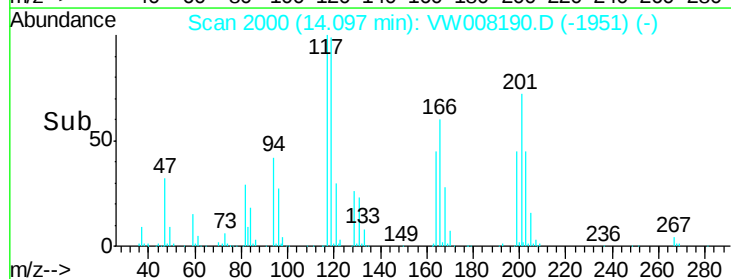
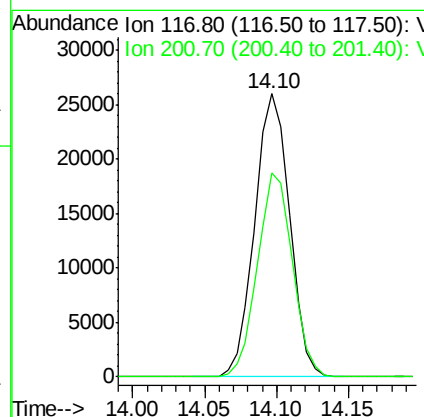
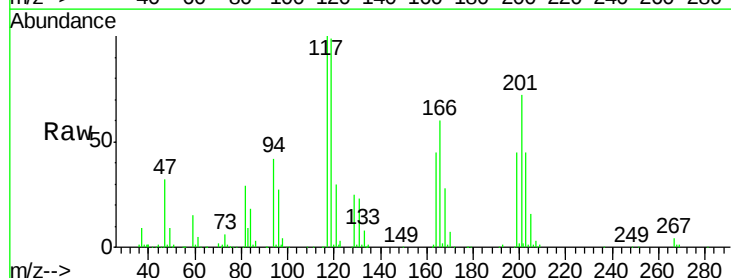
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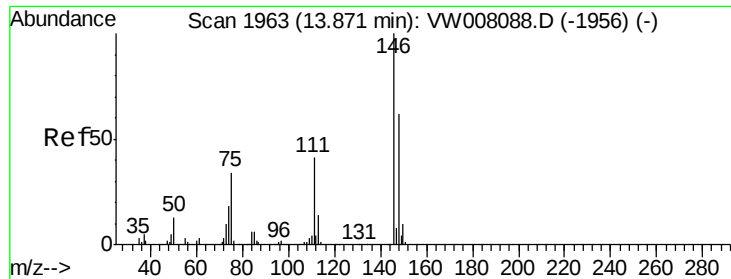
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#90
Hexachloroethane
Concen: 48.270 ug/l
RT: 14.10 min Scan# 2000
Delta R.T. -0.00 min
Lab File: VW008190.D
Acq: 11 Jan 2019 11:19

Tgt Ion	Ratio	Lower	Upper
117	100		
201	72.6	33.0	98.9





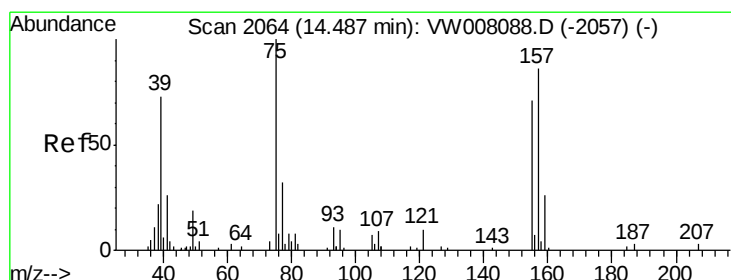
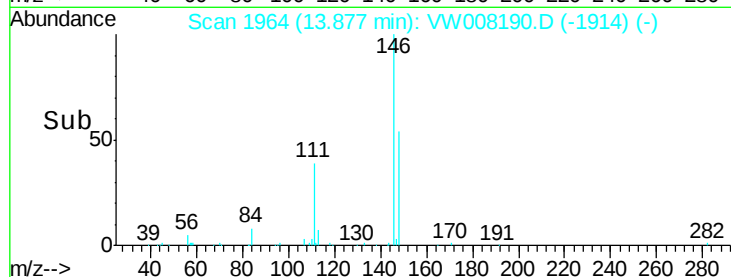
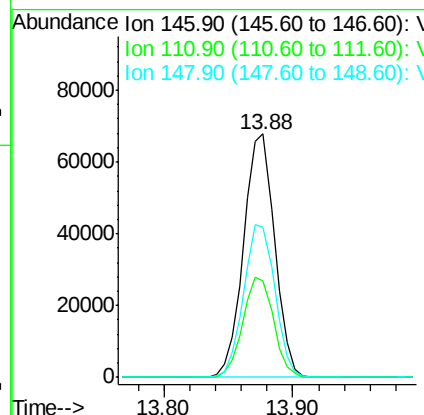
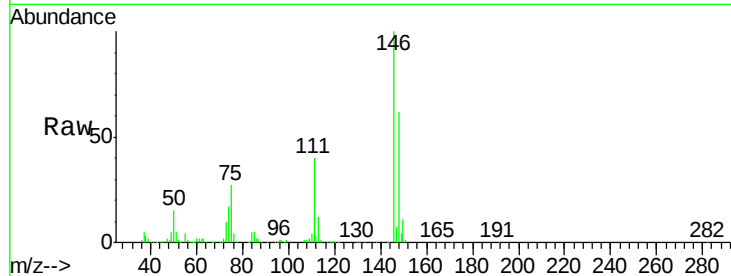
#91
 1,2-Dichlorobenzene
 Concen: 51.692 ug/l
 RT: 13.88 min Scan# 1964
 Delta R.T. 0.01 min
 Lab File: VW008190.D
 Acq: 11 Jan 2019 11:19

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
146	100		
111	40.7	21.3	63.7
148	63.4	31.5	94.5

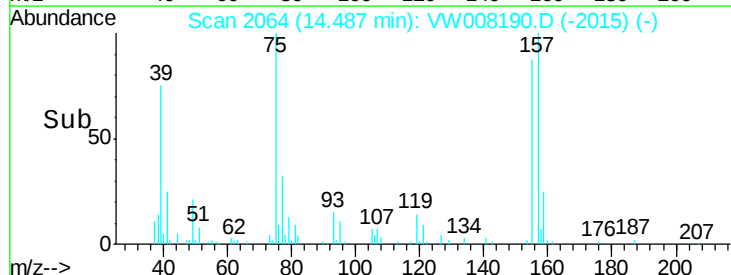
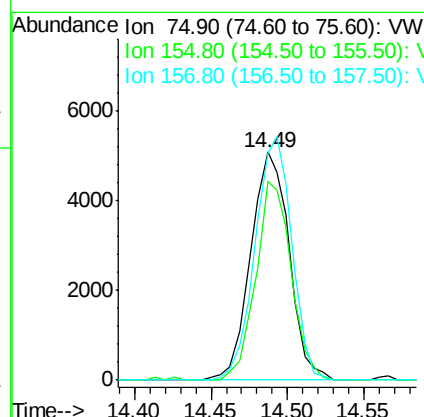
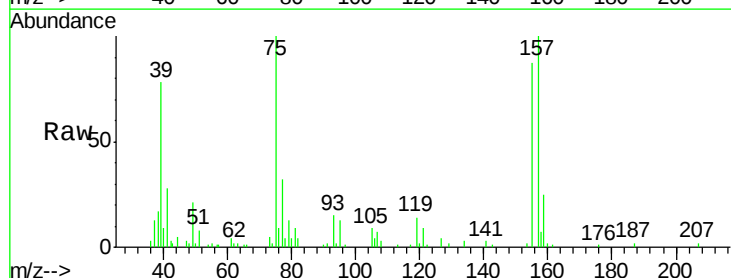
Manual Integrations
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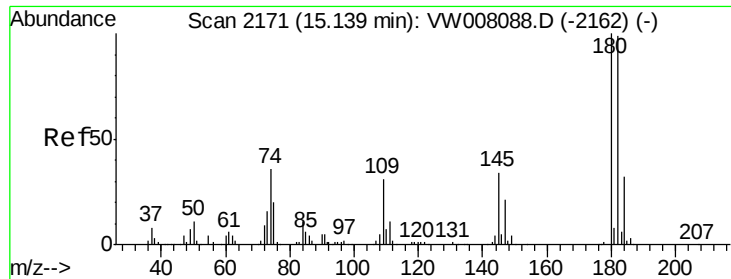
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 59.519 ug/l
 RT: 14.49 min Scan# 2064
 Delta R.T. -0.00 min
 Lab File: VW008190.D
 Acq: 11 Jan 2019 11:19

Tgt Ion	Ratio	Lower	Upper
75	100		
155	80.2	38.6	115.7
157	102.1	47.5	142.6





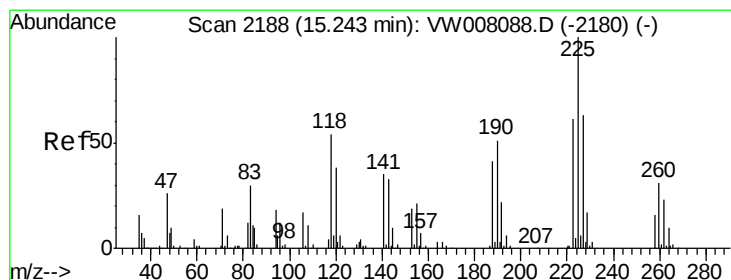
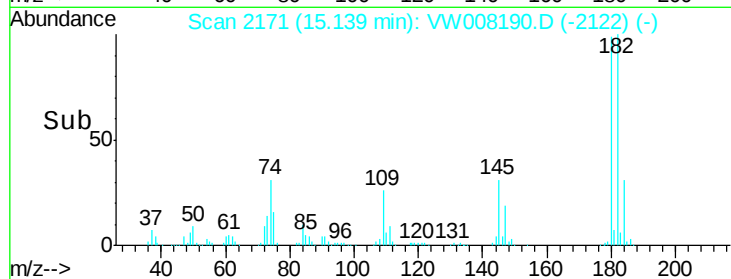
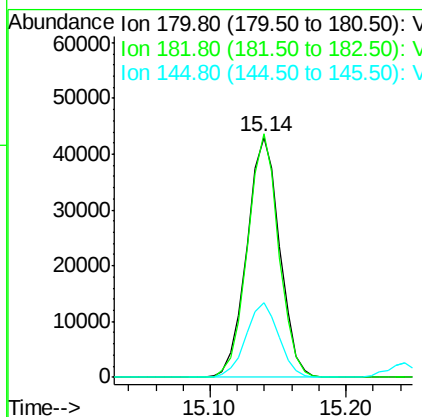
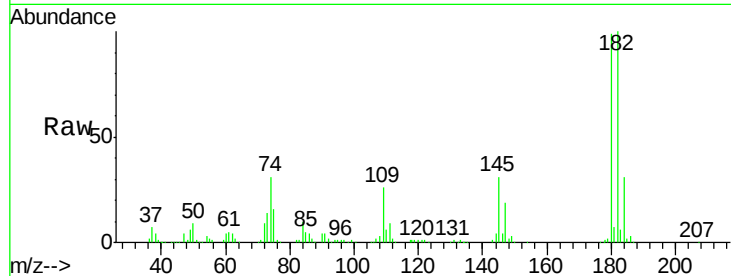
#93
1,2,4-Trichlorobenzene
Concen: 50.325 ug/l
RT: 15.14 min Scan# 2171
Delta R.T. -0.00 min
Lab File: VW008190.D
Acq: 11 Jan 2019 11:19

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
180	100			
182	96.4	48.6	145.9	
145	31.0	16.6	49.7	

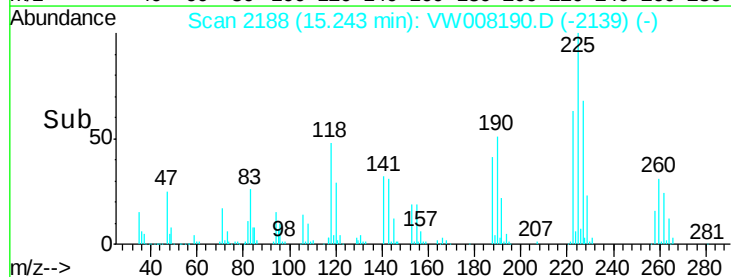
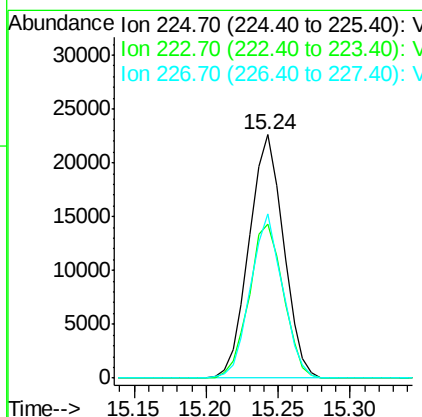
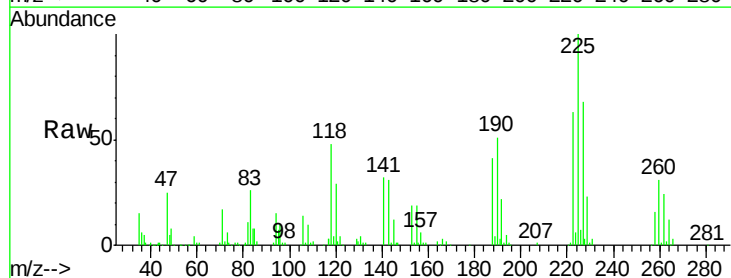
Manual Integrations
APPROVED

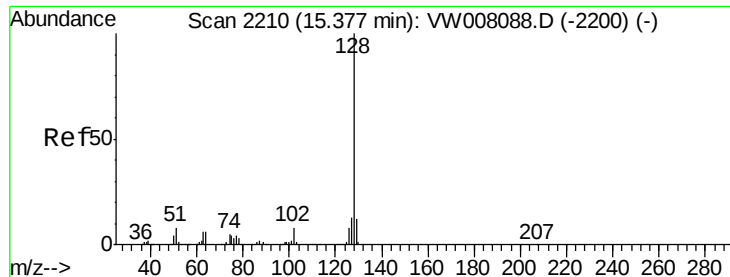
MMDadoda
1/14/2019 10:45:01 PM



#94
Hexachlorobutadiene
Concen: 48.338 ug/l
RT: 15.24 min Scan# 2188
Delta R.T. -0.00 min
Lab File: VW008190.D
Acq: 11 Jan 2019 11:19

Tgt Ion	Ratio	Resp	Lower	Upper
225	100			
223	63.0	31.4	94.3	
227	62.7	32.0	96.2	





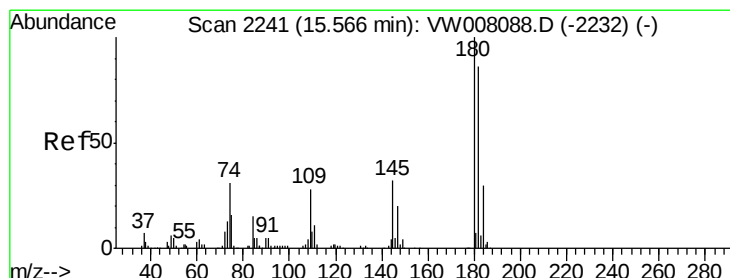
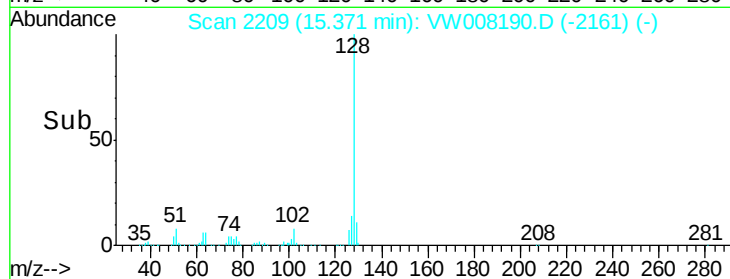
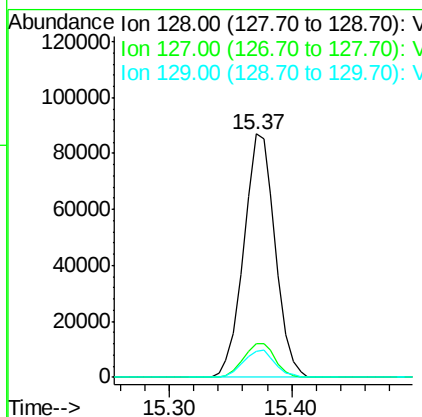
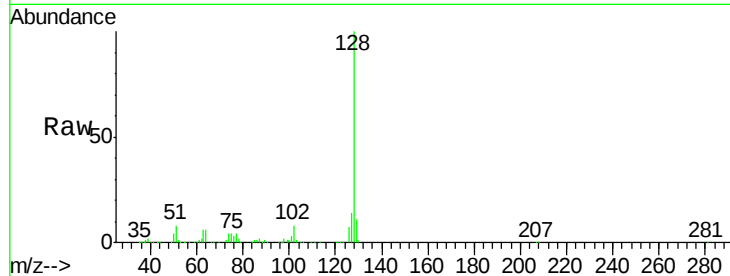
#95
Naphthalene
Concen: 57.189 ug/l
RT: 15.37 min Scan# 2209
Delta R.T. -0.01 min
Lab File: VW008190.D
Acq: 11 Jan 2019 11:19

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
128	100		
127	14.2	11.0	16.4
129	11.3	9.0	13.6

Manual Integrations
APPROVED

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1/14/2019 10:45:01 PM



#96
1,2,3-Trichlorobenzene
Concen: 54.077 ug/l
RT: 15.57 min Scan# 2241
Delta R.T. -0.00 min
Lab File: VW008190.D
Acq: 11 Jan 2019 11:19

Tgt Ion	Ratio	Lower	Upper
180	100		
182	95.5	46.5	139.3
145	32.8	17.4	52.2

