

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW021119\
 Data File : VW008596.D
 Acq On : 11 Feb 2019 14:41
 Operator : SY/VA
 Sample : VW0211SBS01
 Misc : 5.00G/5ML/MSVOA W/SOIL
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0211SBS01

Manual Integrations
 APPROVED

MMDadoda
 2/12/2019 1:43:00 PM

Quant Time: Feb 12 04:57:33 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W012419S.M
 Quant Title : SW846 8260
 QLast Update : Fri Jan 25 11:07:41 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	396488	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	637362	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	743330	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	398576	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.30	65	281215	72.20	ug/l	0.00
Spiked Amount	50.000		Recovery	=	144.40%	
35) Dibromofluoromethane	7.88	113	248444	66.66	ug/l	0.00
Spiked Amount	50.000		Recovery	=	133.32%	
50) Toluene-d8	10.32	98	1081999	72.40	ug/l	0.00
Spiked Amount	50.000		Recovery	=	144.80%	
62) 4-Bromofluorobenzene	12.62	95	565900	98.51	ug/l	0.00
Spiked Amount	50.000		Recovery	=	197.02%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.01	85	50826	23.992	ug/l	91
3) Chloromethane	2.21	50	78843	24.361	ug/l	99
4) Vinyl Chloride	2.37	62	103578	25.141	ug/l	95
5) Bromomethane	2.77	94	68044	25.606	ug/l	97
6) Chloroethane	2.92	64	66574	26.422	ug/l	99
7) Trichlorofluoromethane	3.25	101	66213	21.456	ug/l	96
8) Diethyl Ether	3.67	74	52958	26.783	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	4.05	101	83664	23.330	ug/l	97
10) Methyl Iodide	4.26	142	121659	21.478	ug/l	97
11) Tert butyl alcohol	5.18	59	36083	115.060	ug/l #	92
12) 1,1-Dichloroethene	4.03	96	76362	21.041	ug/l	90
13) Acrolein	3.89	56	30897	113.984	ug/l	98
14) Allyl chloride	4.65	41	145849	21.164	ug/l	94
15) Acrylonitrile	5.37	53	103601	121.340	ug/l	97
16) Acetone	4.12	43	108272	123.781	ug/l	97
17) Carbon Disulfide	4.37	76	224677	19.384	ug/l	98
18) Methyl Acetate	4.67	43	58780	25.195	ug/l	99
19) Methyl tert-butyl Ether	5.42	73	152087	25.329	ug/l	95
20) Methylene Chloride	4.90	84	93476	23.186	ug/l	95
21) trans-1,2-Dichloroethene	5.41	96	84864	20.800	ug/l	100
22) Diisopropyl ether	6.31	45	288537	22.092	ug/l	97
23) Vinyl Acetate	6.25	43	882863	114.478	ug/l	99
24) 1,1-Dichloroethane	6.21	63	159955	21.636	ug/l	98
25) 2-Butanone	7.17	43	144136	118.635	ug/l	97
26) 2,2-Dichloropropane	7.16	77	104084	20.828	ug/l	97
27) cis-1,2-Dichloroethene	7.16	96	93810	21.097	ug/l	98
28) Bromochloromethane	7.51	49	78234	23.040	ug/l	96
29) Tetrahydrofuran	7.53	42	92278	119.855	ug/l	99
30) Chloroform	7.67	83	158741	21.830	ug/l	94
31) Cyclohexane	7.95	56	151195	19.778	ug/l #	95
32) 1,1,1-Trichloroethane	7.87	97	139551	22.219	ug/l	97
36) 1,1-Dichloropropene	8.08	75	125922	20.915	ug/l	99
37) Ethyl Acetate	7.25	43	60481	22.706	ug/l #	94
38) Carbon Tetrachloride	8.06	117	125019	20.635	ug/l	98

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 Quant Title : SW846 8260
 QLast Update : Fri Jan 25 11:07:41 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.33	83	165494	20.924	ug/l	99
40) Benzene	8.32	78	344053	20.594	ug/l	99
41) Methacrylonitrile	7.48	41	38389	24.340	ug/l	98
42) 1,2-Dichloroethane	8.40	62	110255	22.773	ug/l	100
43) Isopropyl Acetate	8.43	43	131861	23.828	ug/l	100
44) Trichloroethene	9.09	130	95067	20.926	ug/l	99
45) 1,2-Dichloropropane	9.37	63	91269	21.910	ug/l	98
46) Dibromomethane	9.46	93	48589	22.679	ug/l	98
47) Bromodichloromethane	9.64	83	131289	23.168	ug/l	98
48) Methyl methacrylate	9.44	41	68811	25.430	ug/l	97
49) 1,4-Dioxane	9.46	88	16127	445.316	ug/l #	75
51) 4-Methyl-2-Pentanone	10.21	43	364889	133.468	ug/l	99
52) Toluene	10.38	92	256387	23.248	ug/l	98
53) t-1,3-Dichloropropene	10.60	75	147084	24.392	ug/l	99
54) cis-1,3-Dichloropropene	10.07	75	153094	22.372	ug/l	95
55) 1,1,2-Trichloroethane	10.79	97	79460	26.738	ug/l	98
56) Ethyl methacrylate	10.65	69	110940	26.642	ug/l	98
57) 1,3-Dichloropropane	10.93	76	142801	26.822	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.92	63	270109	133.506	ug/l	100
59) 2-Hexanone	10.97	43	285105	147.721	ug/l	98
60) Dibromochloromethane	11.13	129	132312m	34.646	ug/l	
61) 1,2-Dibromoethane	11.23	107	82642	28.046	ug/l	91
64) Tetrachloroethene	10.86	164	93451	18.568	ug/l	96
65) Chlorobenzene	11.66	112	318907	21.017	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.73	131	119973	22.099	ug/l	94
67) Ethyl Benzene	11.73	91	598985	21.475	ug/l	100
68) m/p-Xylenes	11.84	106	447740	41.373	ug/l	96
69) o-Xylene	12.16	106	235224	22.876	ug/l	94
70) Styrene	12.18	104	374775	22.065	ug/l	98
71) Bromoform	12.35	173	90556	29.646	ug/l	81
73) Isopropylbenzene	12.46	105	780802	26.277	ug/l	95
74) N-amyl acetate	12.27	43	164660	21.510	ug/l	96
75) 1,1,2,2-Tetrachloroethane	12.71	83	169898m	36.115	ug/l	
76) 1,2,3-Trichloropropane	12.77	75	74653m	21.543	ug/l	
77) Bromobenzene	12.75	156	128831	19.852	ug/l	98
78) n-propylbenzene	12.80	91	757384	21.222	ug/l	99
79) 2-Chlorotoluene	12.89	91	437472	21.722	ug/l	98
80) 1,3,5-Trimethylbenzene	12.94	105	576195	23.200	ug/l	94
81) trans-1,4-Dichloro-2-buten	12.51	75	37638	21.452	ug/l #	86
82) 4-Chlorotoluene	12.99	91	450297	21.001	ug/l	97
83) tert-Butylbenzene	13.21	119	544709	24.646	ug/l	93
84) 1,2,4-Trimethylbenzene	13.25	105	535936	21.230	ug/l	98
85) sec-Butylbenzene	13.38	105	677928	21.478	ug/l	95
86) p-Isopropyltoluene	13.50	119	594515	21.503	ug/l	97
87) 1,3-Dichlorobenzene	13.50	146	278441	21.246	ug/l	98
88) 1,4-Dichlorobenzene	13.58	146	268010	20.577	ug/l	94
89) n-Butylbenzene	13.83	91	572140	21.076	ug/l	98
90) Hexachloroethane	14.10	117	113619	21.013	ug/l	91
91) 1,2-Dichlorobenzene	13.87	146	242875	20.944	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.49	75	20488	22.953	ug/l	91

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ClientSampleId :
VW0211SBS01

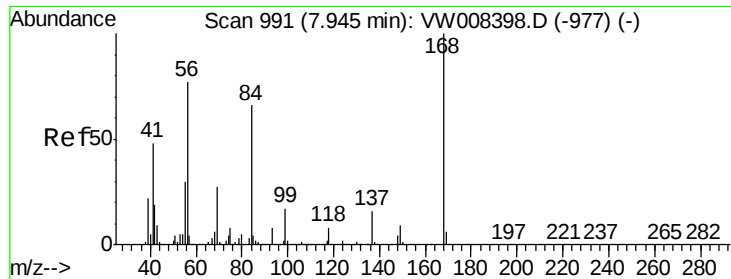
Manual Integrations
APPROVED

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QLast Update : Fri Jan 25 11:07:41 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.14	180	171125	20.679	ug/l	94
94) Hexachlorobutadiene	15.24	225	101530	20.358	ug/l	98
95) Naphthalene	15.37	128	327573	22.544	ug/l	99
96) 1,2,3-Trichlorobenzene	15.56	180	150166	21.392	ug/l	95

(#) = 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: VW008596.D

Acq: 11 Feb 2019 14:41

Instrument :

MSVOA_W

ClientSampleId :

VW0211SBS01

Tot Ion:168 Resp: 396488

Ion Ratio Lower Upper

168 100

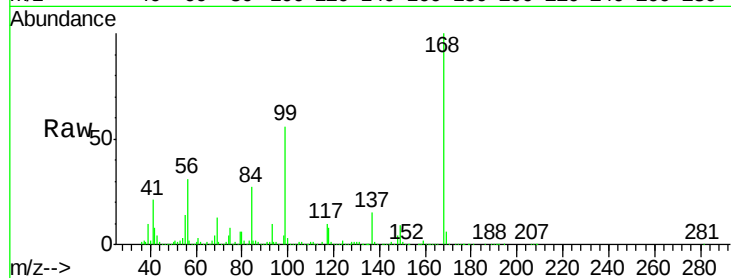
99 55.8 45.5 68.3

Manual Integrations

APPROVED

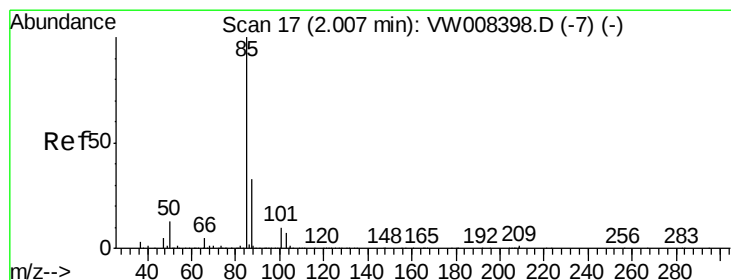
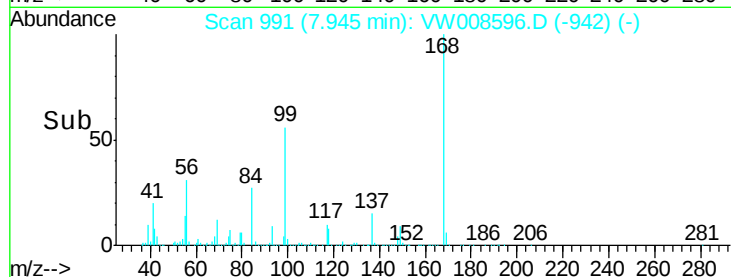
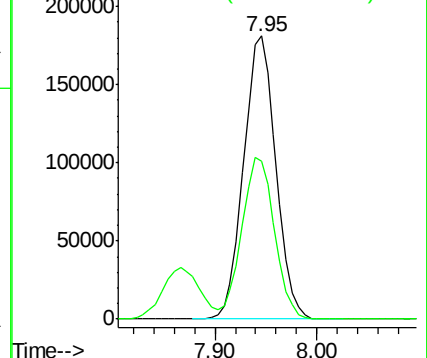
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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW



#2

Dichlorodifluoromethane

Concen: 23.992 ug/l

RT: 2.01 min Scan# 17

Delta R.T. 0.00 min

Lab File: VW008596.D

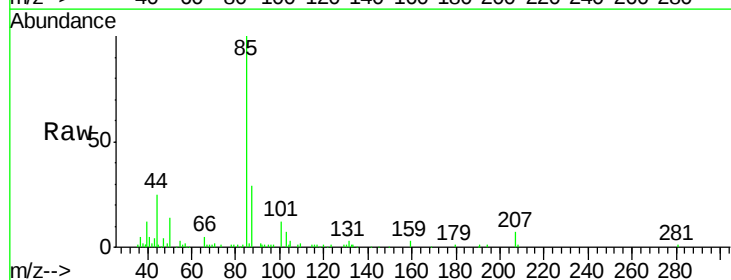
Acq: 11 Feb 2019 14:41

Tgt Ion: 85 Resp: 50826

Ion Ratio Lower Upper

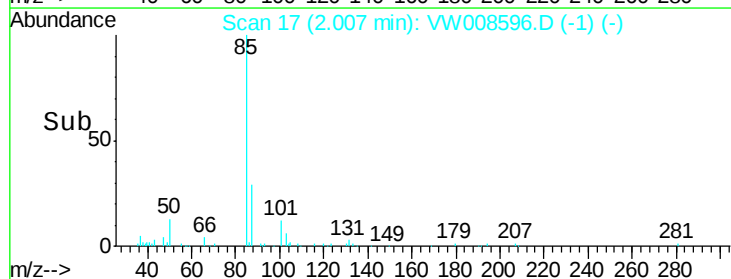
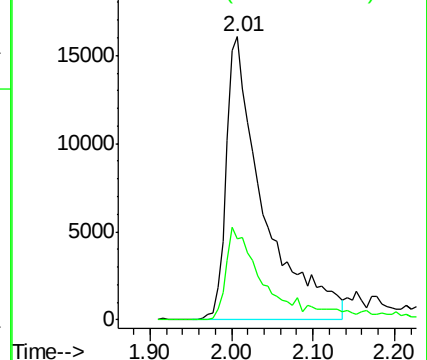
85 100

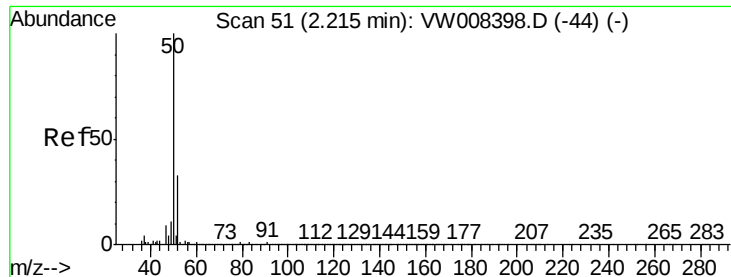
87 28.6 16.7 50.1



Abundance Ion 84.90 (84.60 to 85.60): VW

Ion 86.90 (86.60 to 87.60): VW





#3

Chloromethane

Concen: 24.361 ug/l

RT: 2.21 min Scan# 50

Delta R.T. -0.01 min

Lab File: VW008596.D

Acq: 11 Feb 2019 14:41

Instrument :

MSVOA_W

ClientSampleId :

VW0211SBS01

Tot Ion: 50 Resp: 78843

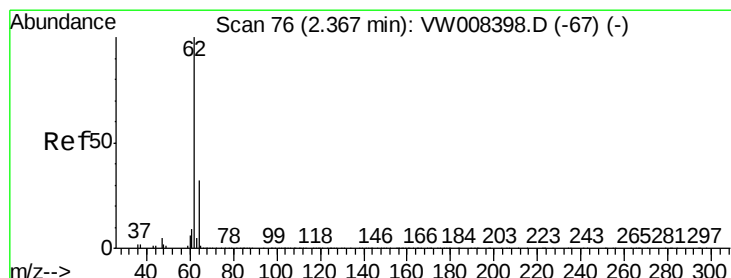
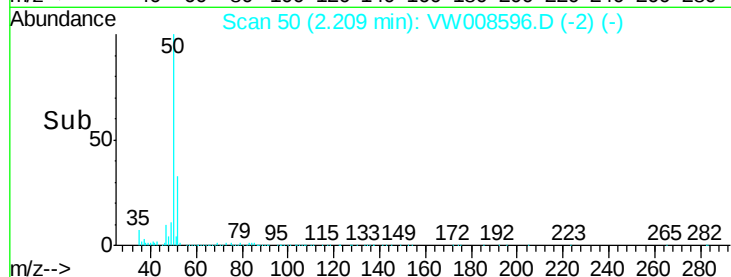
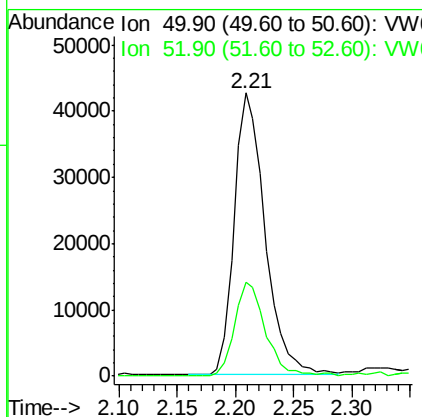
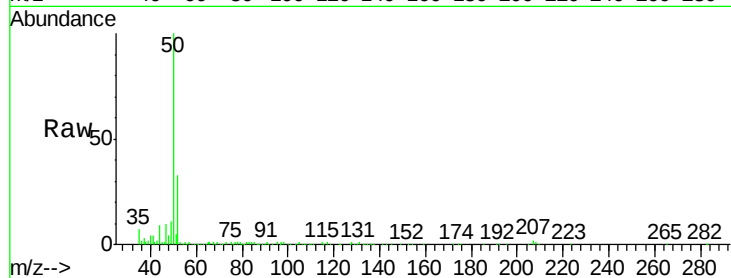
Ion Ratio Lower Upper

50 100

52 33.3 26.3 39.5

Manual Integrations
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#4

Vinyl Chloride

Concen: 25.141 ug/l

RT: 2.37 min Scan# 76

Delta R.T. 0.00 min

Lab File: VW008596.D

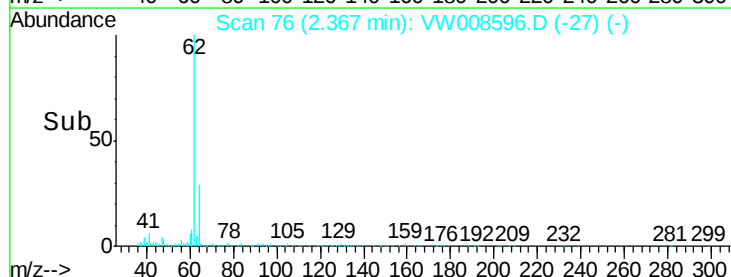
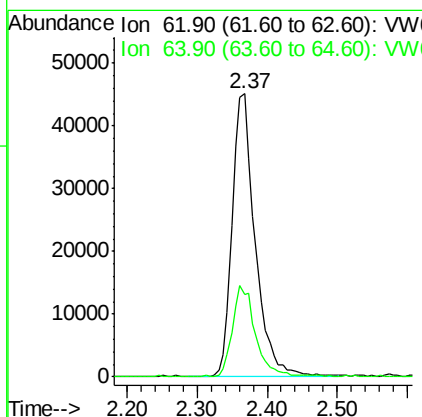
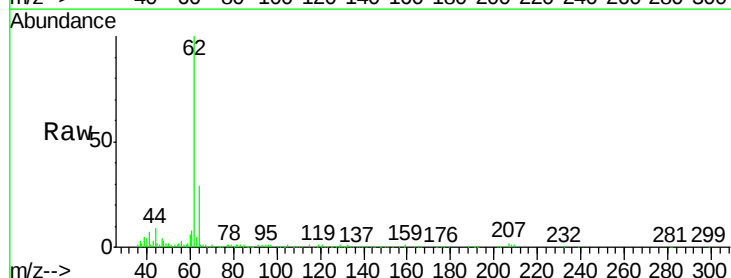
Acq: 11 Feb 2019 14:41

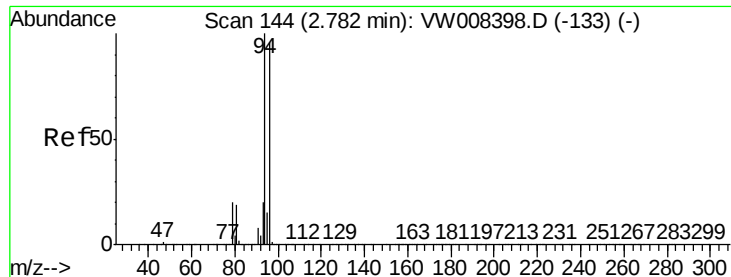
Tgt Ion: 62 Resp: 103578

Ion Ratio Lower Upper

62 100

64 29.1 25.5 38.3





#5

Bromomethane

Concen: 25.606 ug/l

RT: 2.77 min Scan# 142

Delta R.T. -0.01 min

Lab File: VW008596.D

Acq: 11 Feb 2019 14:41

Instrument :

MSVOA_W

ClientSampleId :

VW0211SBS01

Tot Ion: 94 Resp: 68044

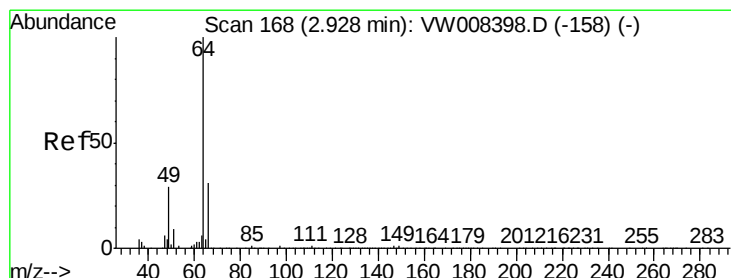
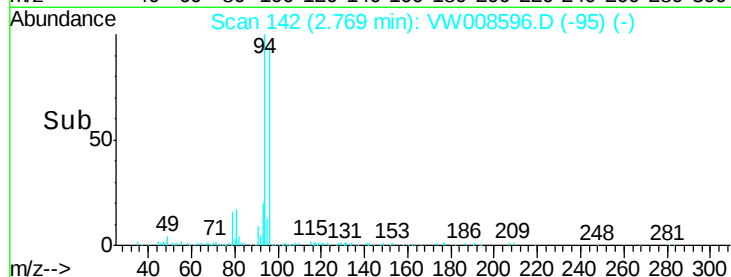
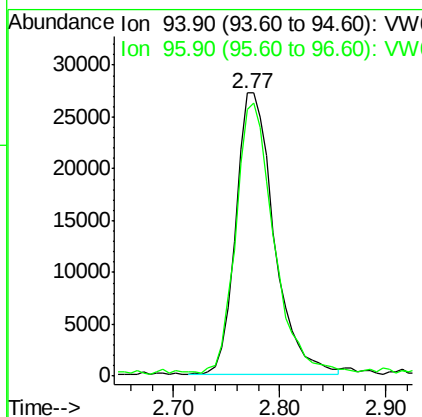
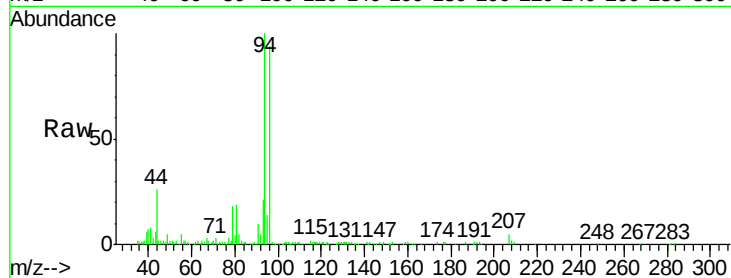
Ion Ratio Lower Upper

94 100

96 93.7 77.2 115.8

Manual Integrations
APPROVED

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2/12/2019 1:43:00 PM



#6

Chloroethane

Concen: 26.422 ug/l

RT: 2.92 min Scan# 167

Delta R.T. -0.01 min

Lab File: VW008596.D

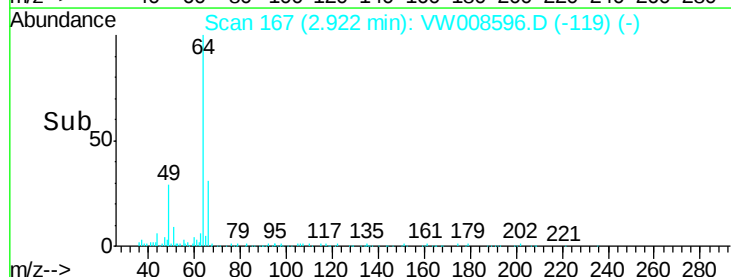
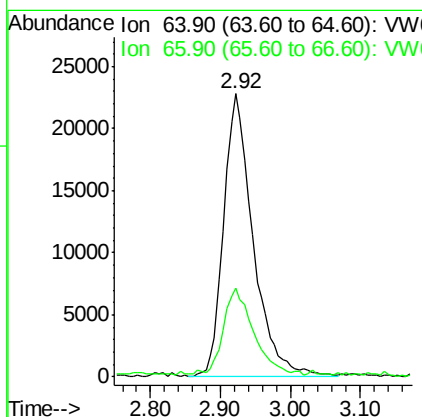
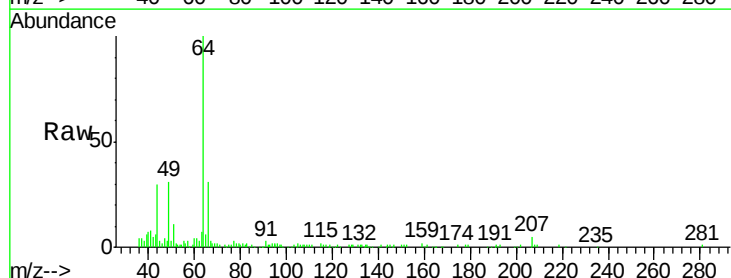
Acq: 11 Feb 2019 14:41

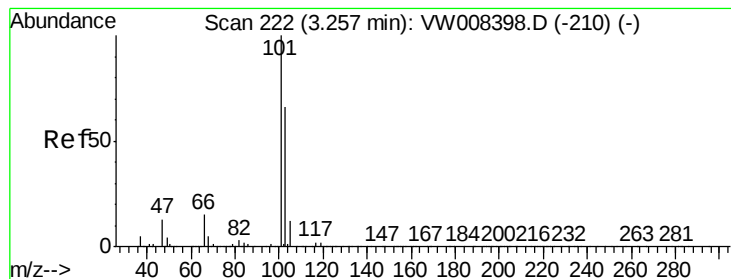
Tgt Ion: 64 Resp: 66574

Ion Ratio Lower Upper

64 100

66 30.3 24.9 37.3





#7

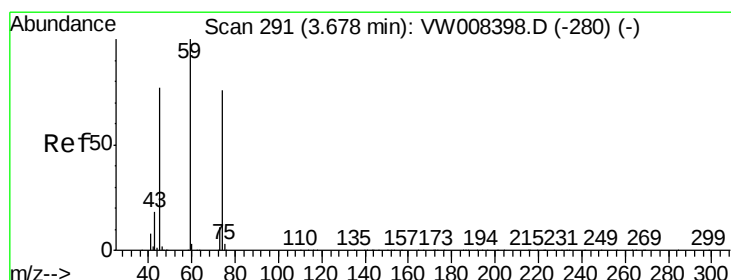
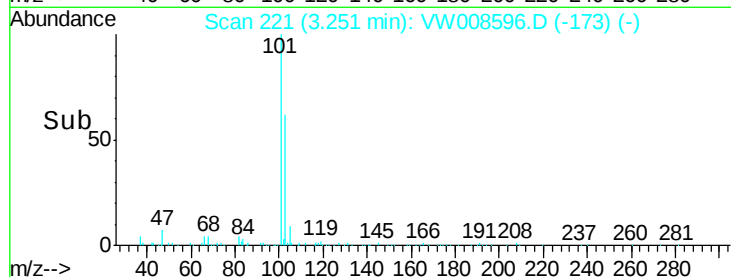
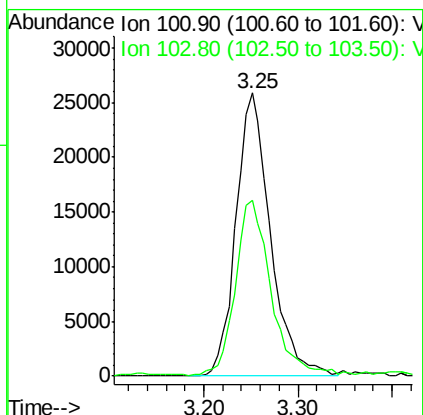
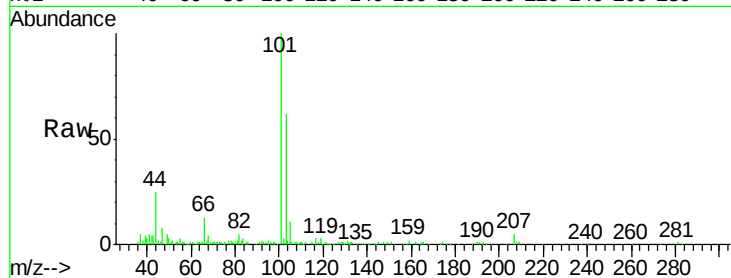
Trichlorofluoromethane
Concen: 21.456 ug/l
RT: 3.25 min Scan# 221
Delta R.T. -0.01 min
Lab File: VW008596.D
Acq: 11 Feb 2019 14:41

Instrument :
MSVOA_W
ClientSampleId :
VW0211SBS01

Tot Ion	Ratio	Lower	Upper
101	100		
103	62.0	52.5	78.7

Manual Integrations
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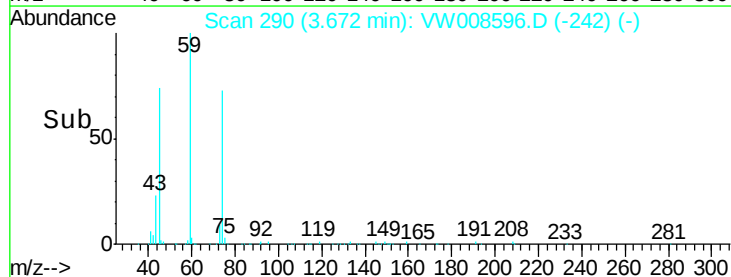
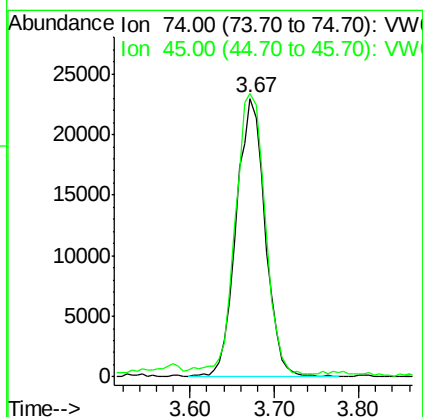
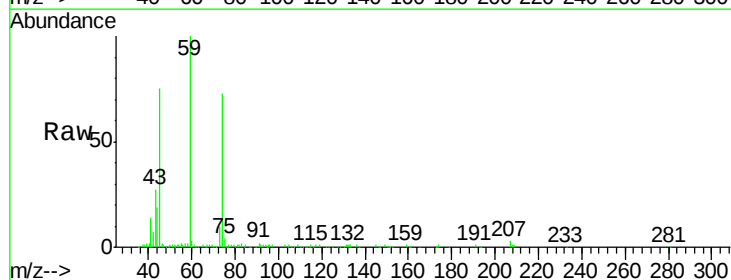
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2/12/2019 1:43:00 PM

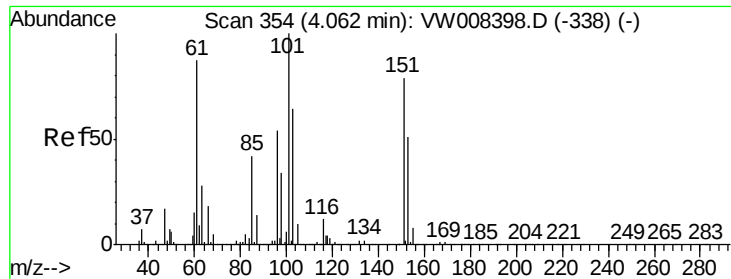


#8

Diethyl Ether
Concen: 26.783 ug/l
RT: 3.67 min Scan# 290
Delta R.T. -0.01 min
Lab File: VW008596.D
Acq: 11 Feb 2019 14:41

Tgt Ion	Ratio	Lower	Upper
74	100		
45	104.6	51.7	155.2





#9

1,1,2-Trichlorotrifluoroethane

Concen: 23.330 ug/l

RT: 4.05 min Scan# 352

Delta R.T. -0.01 min

Lab File: VW008596.D

Acq: 11 Feb 2019 14:41

Instrument :

MSVOA_W

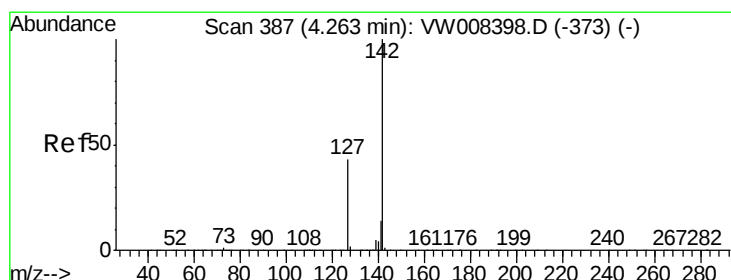
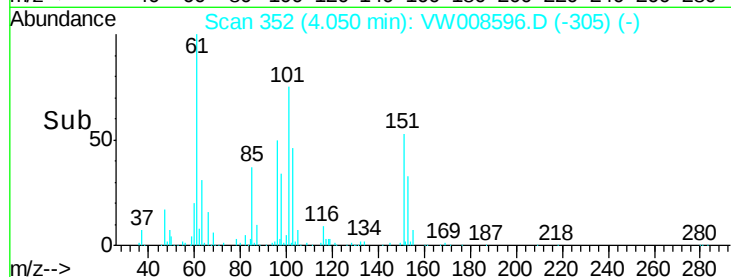
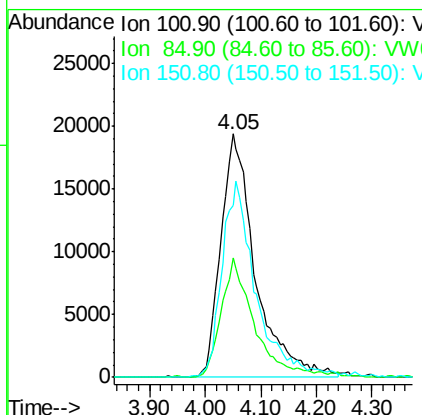
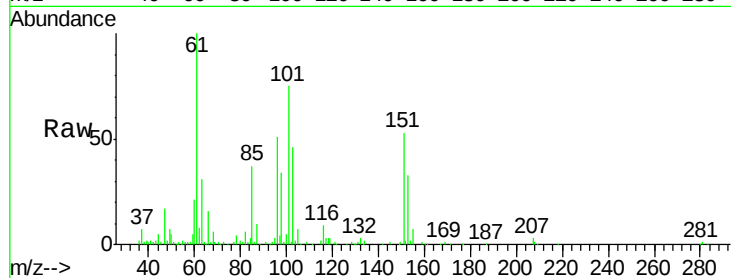
ClientSampleId :

VW0211SBS01

Tot Ion:	101	Resp:	83664
Ion Ratio	Lower	Upper	
101	100		
85	46.2	35.0	52.4
151	76.5	62.6	94.0

Manual Integrations
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MMDadoda
2/12/2019 1:43:00 PM



#10

Methyl Iodide

Concen: 21.478 ug/l

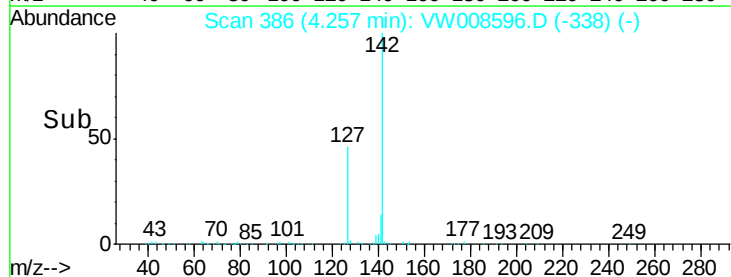
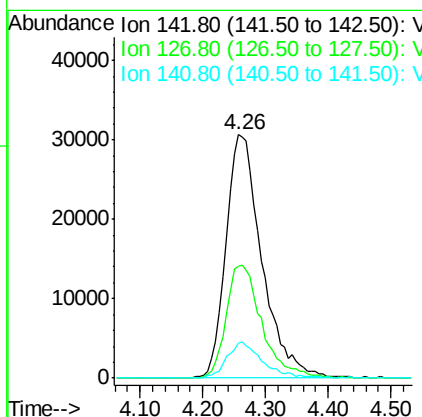
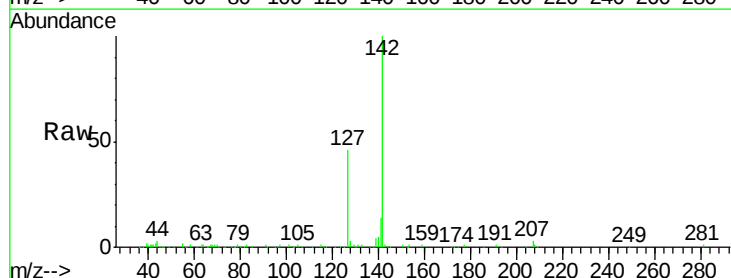
RT: 4.26 min Scan# 386

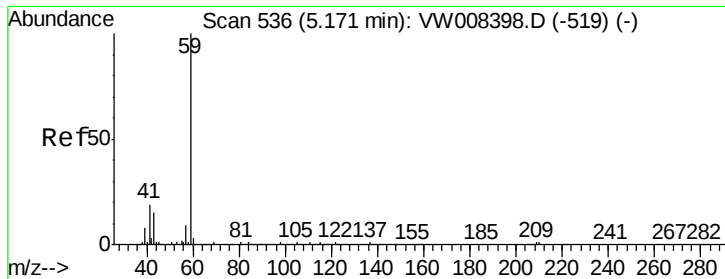
Delta R.T. -0.01 min

Lab File: VW008596.D

Acq: 11 Feb 2019 14:41

Tgt Ion:	142	Resp:	121659
Ion Ratio	Lower	Upper	
142	100		
127	46.0	34.6	52.0
141	14.7	11.4	17.2





#11

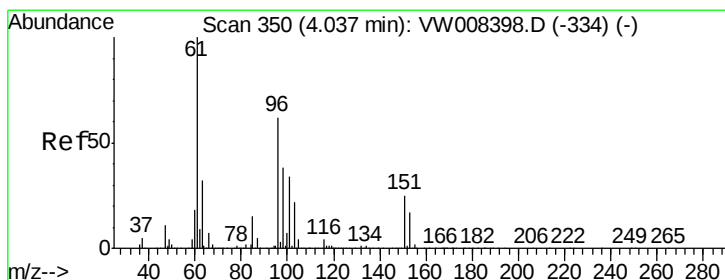
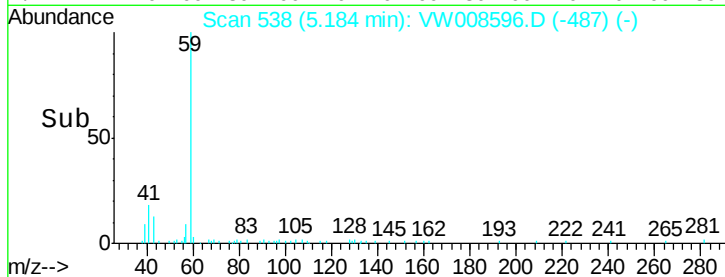
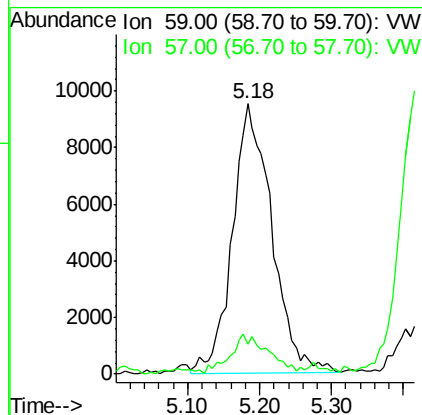
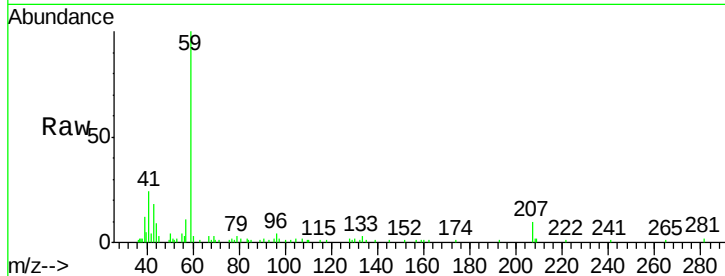
Tert butyl alcohol
Concen: 115.060 ug/l
RT: 5.18 min Scan# 538
Delta R.T. 0.01 min
Lab File: VW008596.D
Acq: 11 Feb 2019 14:41

Instrument :
MSVOA_W
ClientSampleId :
VW0211SBS01

Tot Ion	Ratio	Lower	Upper
59	100		
57	14.7	9.3	13.9#

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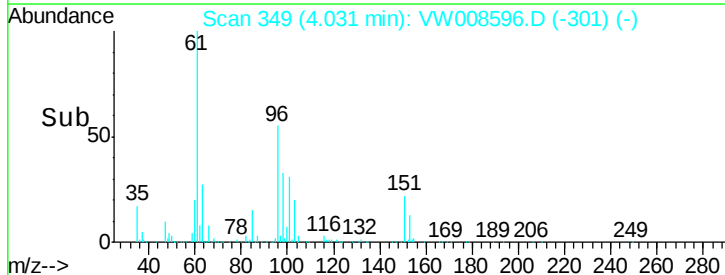
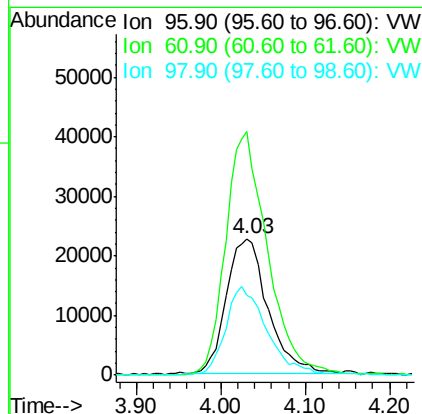
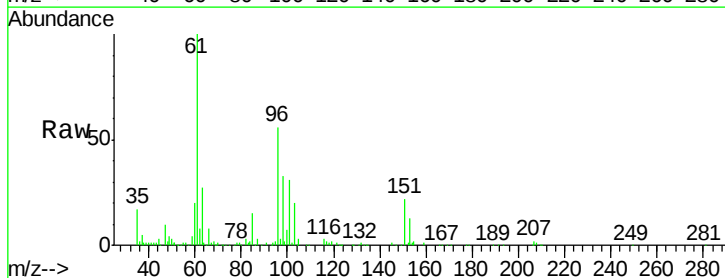
MMDadoda
2/12/2019 1:43:00 PM

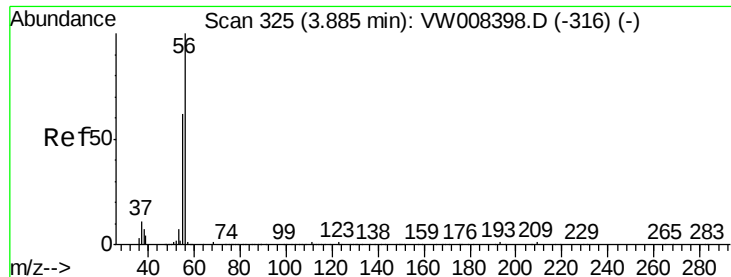


#12

1,1-Dichloroethene
Concen: 21.041 ug/l
RT: 4.03 min Scan# 349
Delta R.T. -0.01 min
Lab File: VW008596.D
Acq: 11 Feb 2019 14:41

Tgt Ion	Ratio	Lower	Upper
96	100		
61	179.1	129.5	194.3
98	58.8	48.6	73.0





#13

Acrolein

Concen: 113.984 ug/l

RT: 3.89 min Scan# 325

Delta R.T. 0.00 min

Lab File: VW008596.D

Acq: 11 Feb 2019 14:41

Instrument :

MSVOA_W

ClientSampleId :

VW0211SBS01

Tot Ion: 56 Resp: 30897

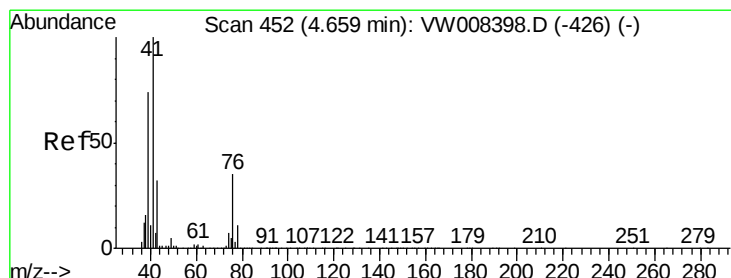
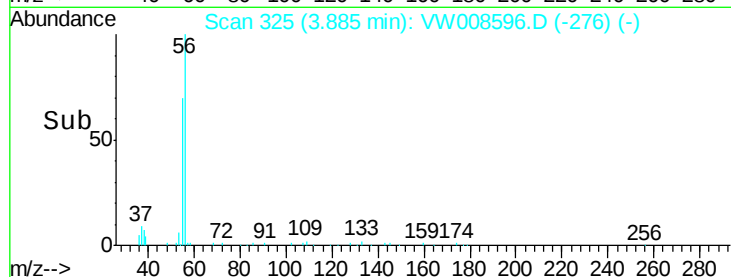
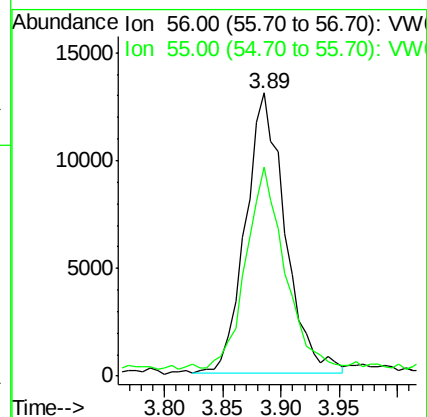
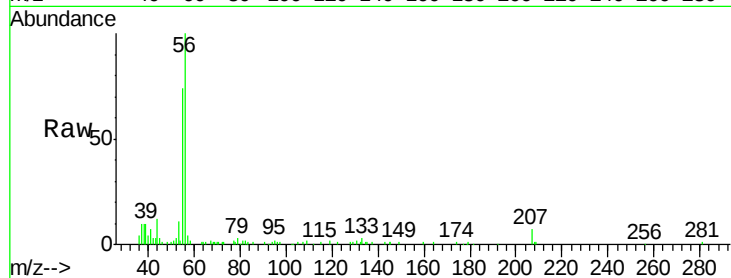
Ion Ratio Lower Upper

56 100

55 69.3 56.7 85.1

Manual Integrations
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2/12/2019 1:43:00 PM



#14

Allyl chloride

Concen: 21.164 ug/l

RT: 4.65 min Scan# 451

Delta R.T. -0.01 min

Lab File: VW008596.D

Acq: 11 Feb 2019 14:41

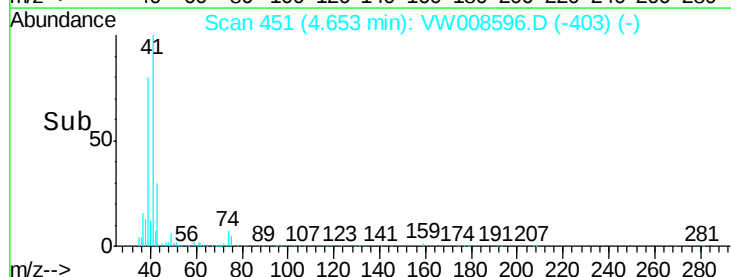
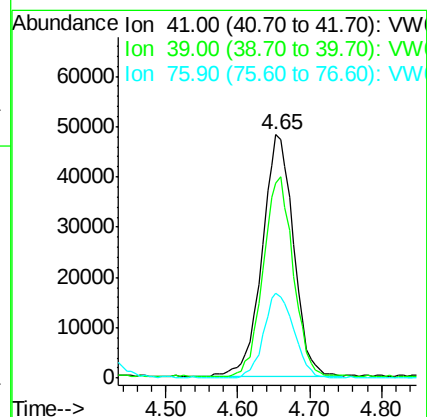
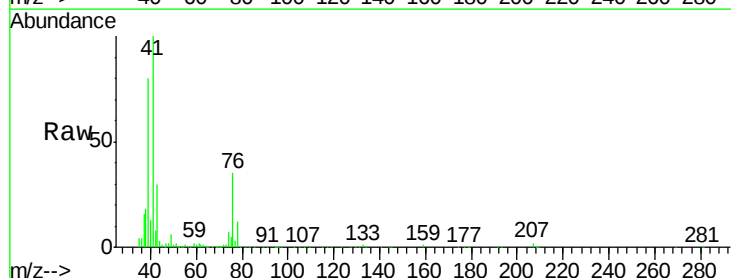
Tgt Ion: 41 Resp: 145849

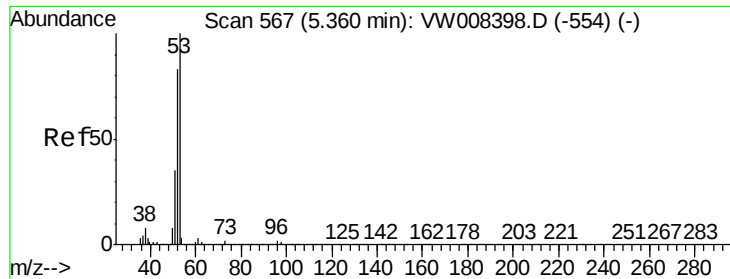
Ion Ratio Lower Upper

41 100

39 79.3 57.7 86.5

76 33.5 26.9 40.3





#15

Acrylonitrile

Concen: 121.340 ug/l

RT: 5.37 min Scan# 568

Delta R.T. 0.01 min

Lab File: VW008596.D

Acq: 11 Feb 2019 14:41

Instrument :

MSVOA_W

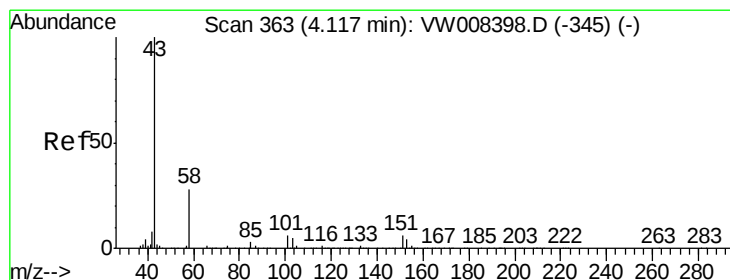
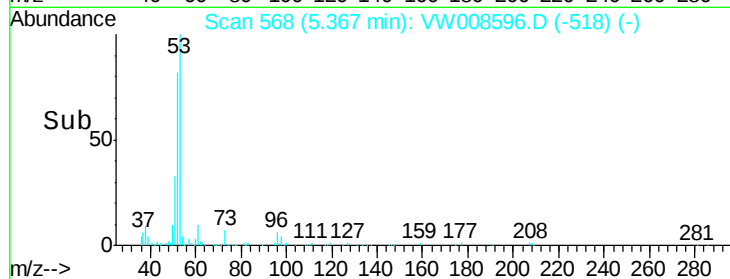
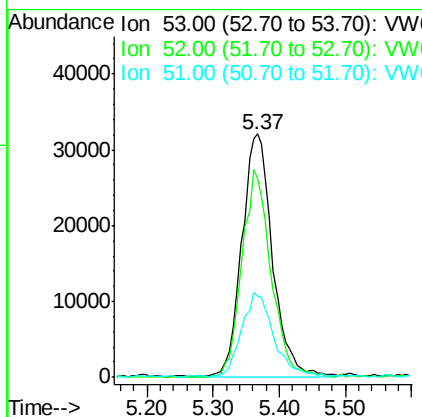
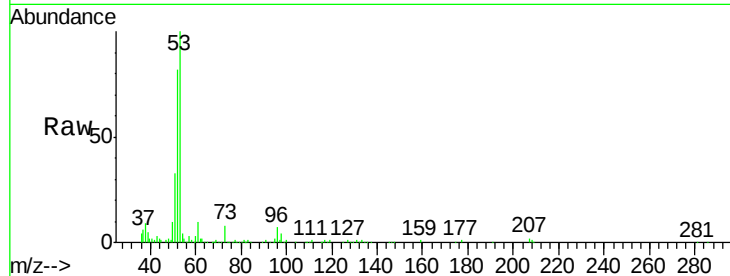
ClientSampleId :

VW0211SBS01

Tot Ion:	53	Resp:	103601
Ion Ratio	Lower	Upper	
53	100		
52	81.0	67.0	100.4
51	35.7	29.8	44.8

Manual Integrations
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#16

Acetone

Concen: 123.781 ug/l

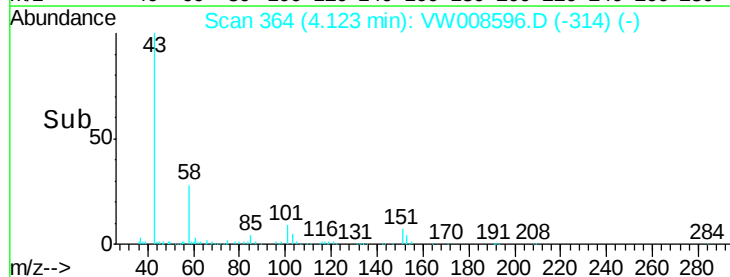
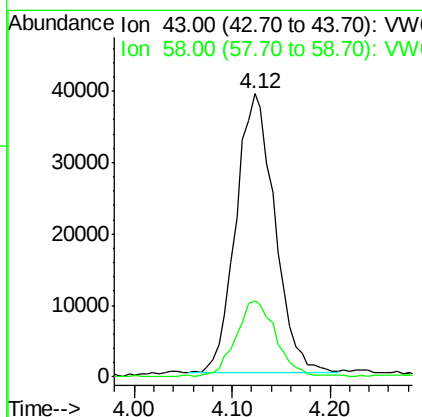
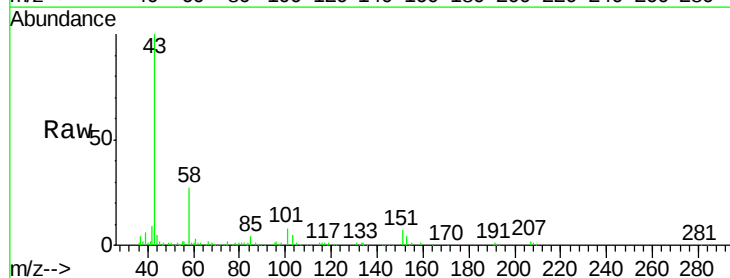
RT: 4.12 min Scan# 364

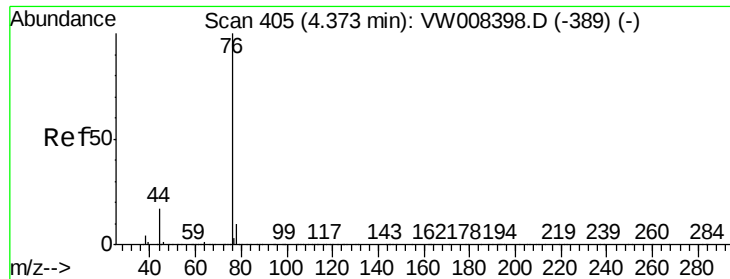
Delta R.T. 0.01 min

Lab File: VW008596.D

Acq: 11 Feb 2019 14:41

Tgt Ion:	43	Resp:	108272
Ion Ratio	Lower	Upper	
43	100		
58	26.7	22.6	34.0





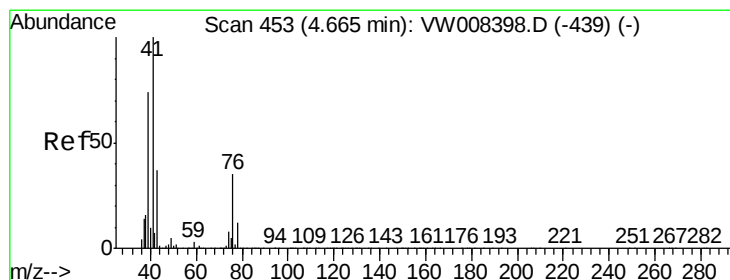
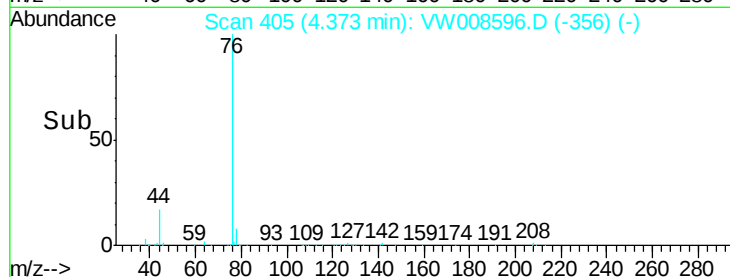
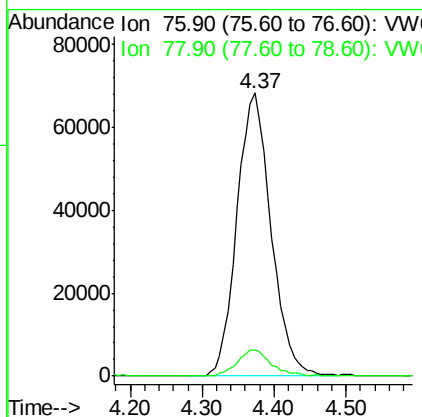
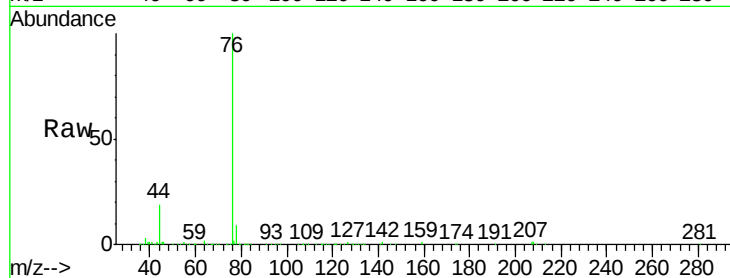
#17
Carbon Disulfide
Concen: 19.384 ug/l
RT: 4.37 min Scan# 405
Delta R.T. 0.00 min
Lab File: VW008596.D
Acq: 11 Feb 2019 14:41

Instrument :
MSVOA_W
ClientSampleId :
VW0211SBS01

Tot Ion	Ratio	Lower	Upper
76	100		
78	8.9	7.7	11.5

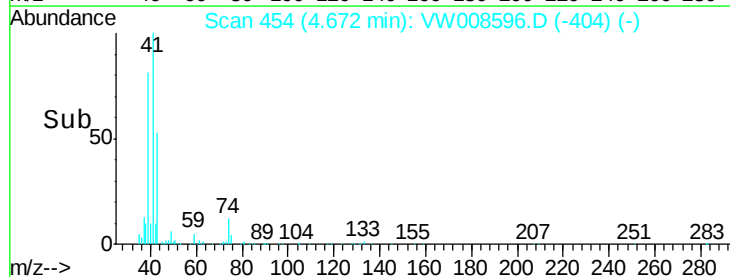
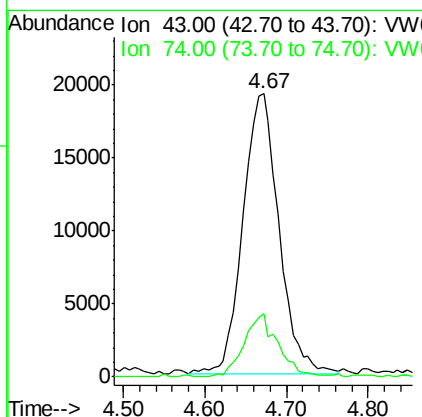
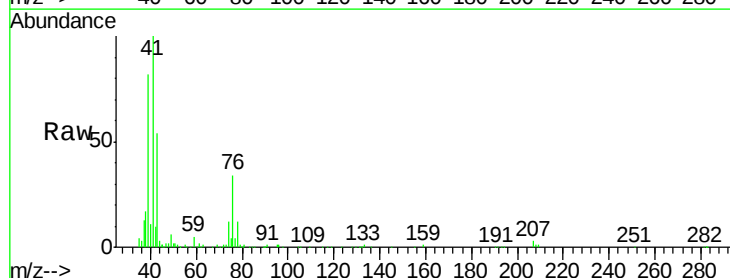
Manual Integrations
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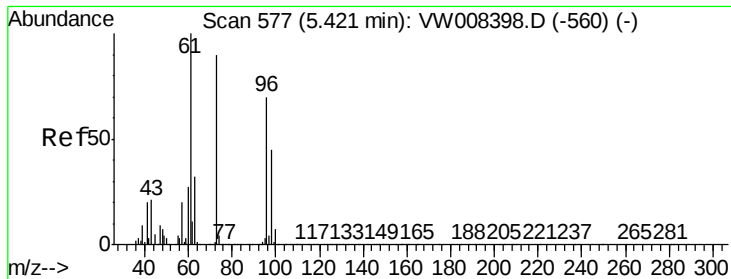
MMDadoda
2/12/2019 1:43:00 PM



#18
Methyl Acetate
Concen: 25.195 ug/l
RT: 4.67 min Scan# 454
Delta R.T. 0.01 min
Lab File: VW008596.D
Acq: 11 Feb 2019 14:41

Tgt Ion	Ratio	Lower	Upper
43	100		
74	21.3	17.5	26.3





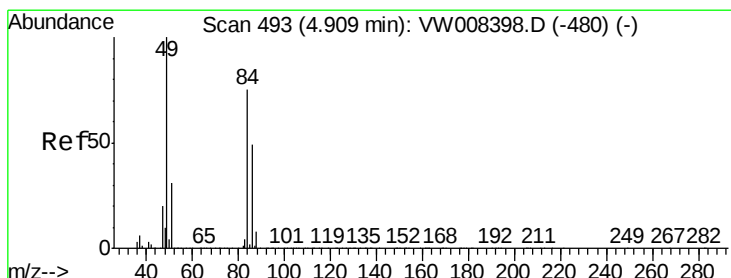
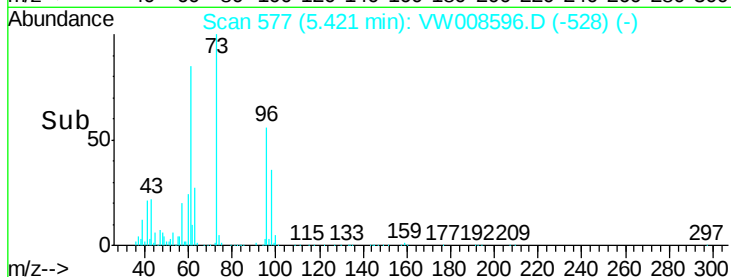
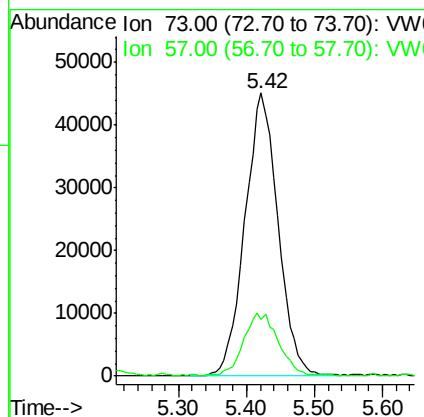
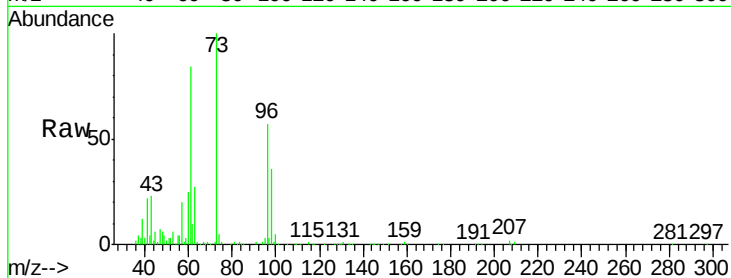
#19
Methvl tert-butvl Ether
Concen: 25.329 ug/l
RT: 5.42 min Scan# 577
Delta R.T. 0.00 min
Lab File: VW008596.D
Acq: 11 Feb 2019 14:41

Instrument :
MSVOA_W
ClientSampleId :
VW0211SBS01

Tot Ion: 73 Resp: 152087
Ion Ratio Lower Upper
73 100
57 20.0 18.0 27.0

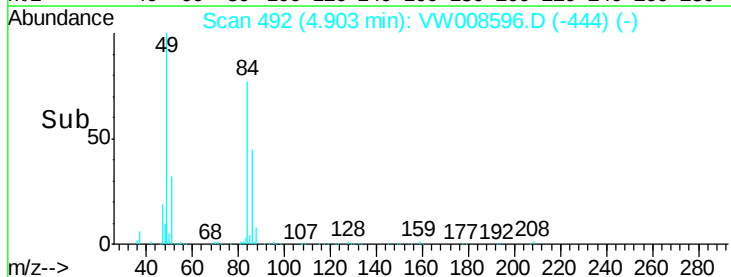
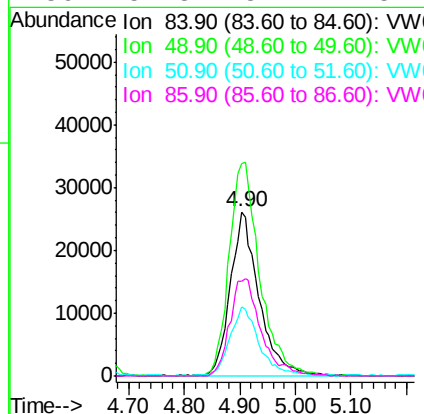
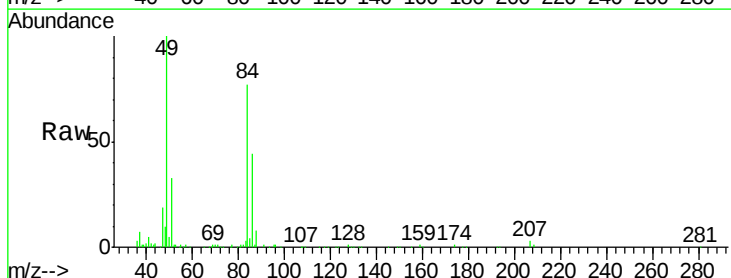
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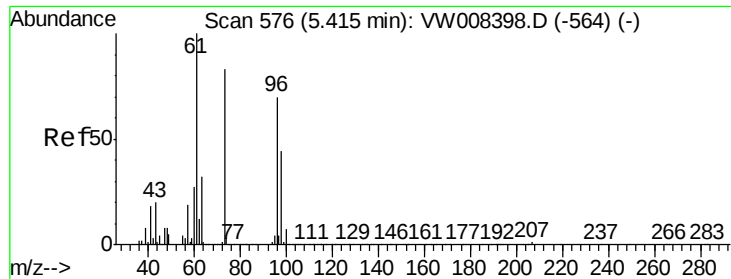
MMDadoda
2/12/2019 1:43:00 PM



#20
Methylene Chloride
Concen: 23.186 ug/l
RT: 4.90 min Scan# 492
Delta R.T. -0.01 min
Lab File: VW008596.D
Acq: 11 Feb 2019 14:41

Tgt Ion: 84 Resp: 93476
Ion Ratio Lower Upper
84 100
49 129.8 106.8 160.2
51 42.3 32.9 49.3
86 57.8 52.2 78.2





#21

trans-1,2-Dichloroethene

Concen: 20.800 ug/l

RT: 5.41 min Scan# 575

Delta R.T. -0.01 min

Lab File: VW008596.D

Acq: 11 Feb 2019 14:41

Instrument :

MSVOA_W

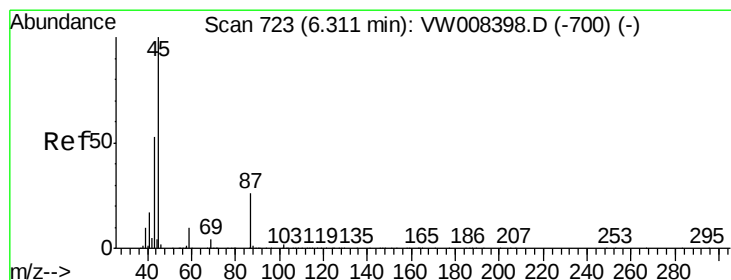
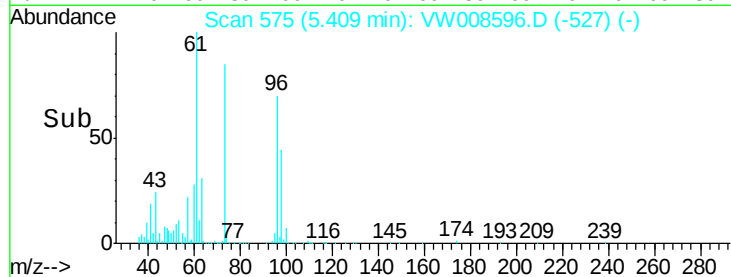
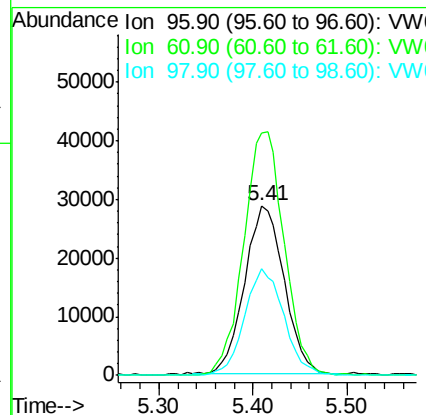
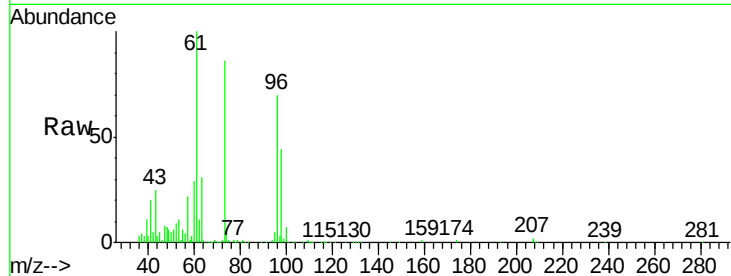
ClientSampleId :

VW0211SBS01

Tot Ion:	96	Resp:	84864
Ion	Ratio	Lower	Upper
96	100		
61	143.0	114.4	171.6
98	63.0	50.6	75.8

Manual Integrations
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2/12/2019 1:43:00 PM



#22

Diisopropyl ether

Concen: 22.092 ug/l

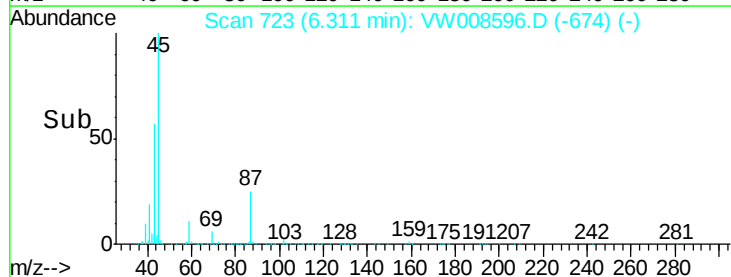
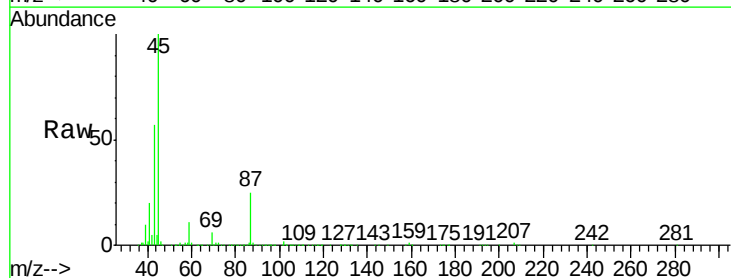
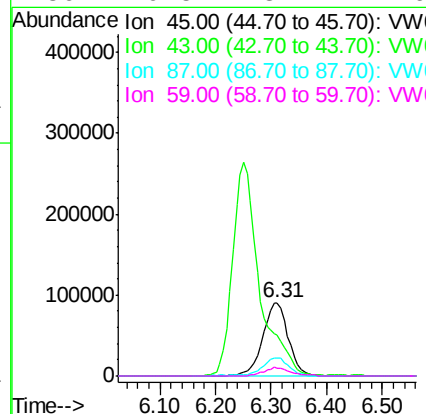
RT: 6.31 min Scan# 723

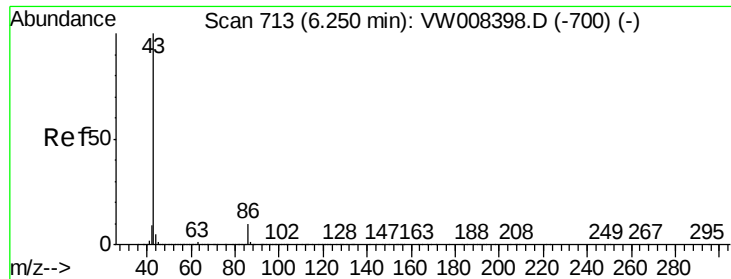
Delta R.T. 0.00 min

Lab File: VW008596.D

Acq: 11 Feb 2019 14:41

Tgt Ion:	45	Resp:	288537
Ion	Ratio	Lower	Upper
45	100		
43	56.4	42.6	63.8
87	25.2	20.3	30.5
59	10.5	8.4	12.6





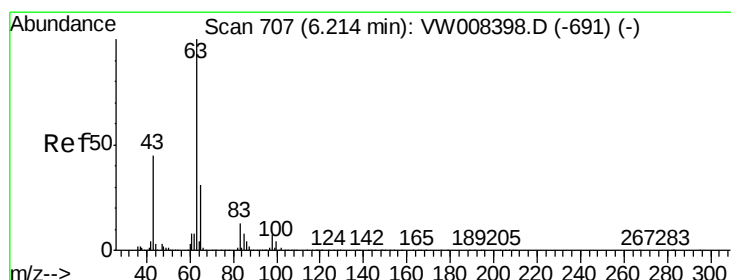
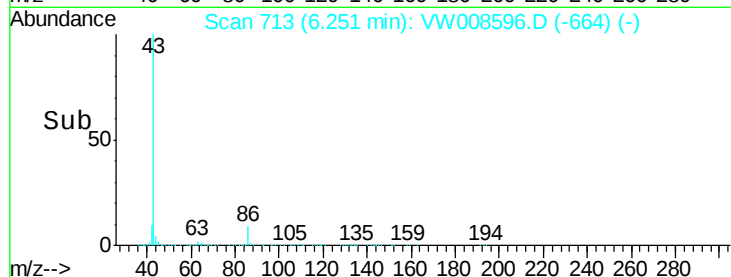
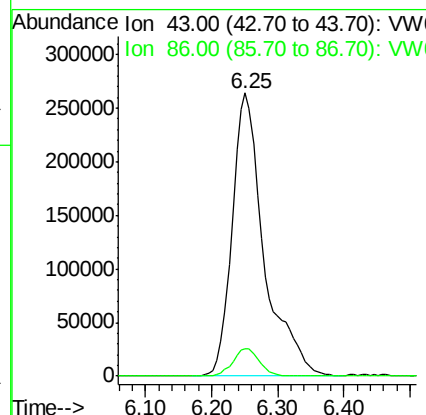
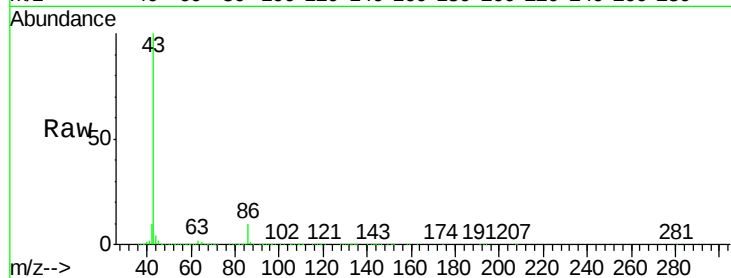
#23
 Vinyl Acetate
 Concen: 114.478 ug/l
 RT: 6.25 min Scan# 713
 Delta R.T. 0.00 min
 Lab File: VW008596.D
 Acq: 11 Feb 2019 14:41

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0211SBS01

Tot Ion	Ratio	Lower	Upper
43	100		
86	9.6	7.8	11.8

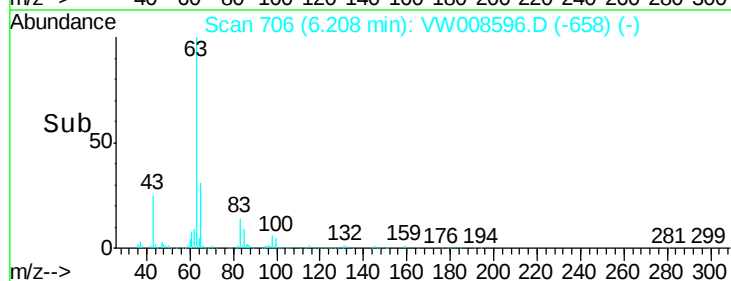
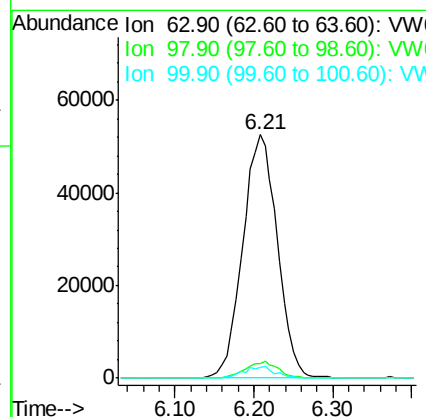
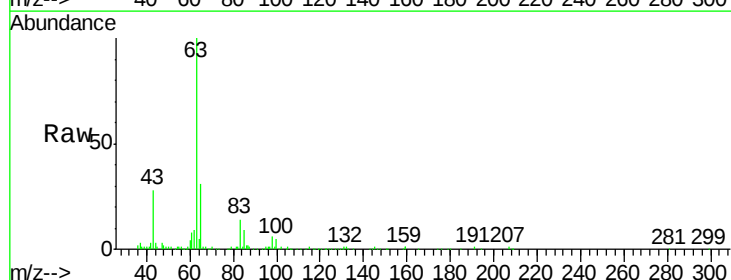
Manual Integrations
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MMDadoda
 2/12/2019 1:43:00 PM



#24
 1,1-Dichloroethane
 Concen: 21.636 ug/l
 RT: 6.21 min Scan# 706
 Delta R.T. -0.01 min
 Lab File: VW008596.D
 Acq: 11 Feb 2019 14:41

Tgt Ion	Ratio	Lower	Upper
63	100		
98	6.0	3.5	10.5
100	4.6	2.1	6.2





#25

2-Butanone

Concen: 118.635 ug/l

RT: 7.17 min Scan# 864

Delta R.T. 0.00 min

Lab File: VW008596.D

Acq: 11 Feb 2019 14:41

Instrument :

MSVOA_W

ClientSampleId :

VW0211SBS01

Tot Ion: 43 Resp: 144136

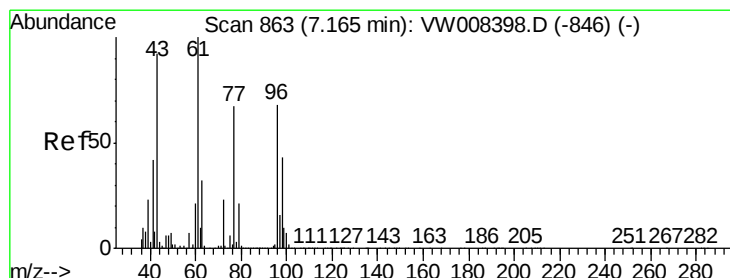
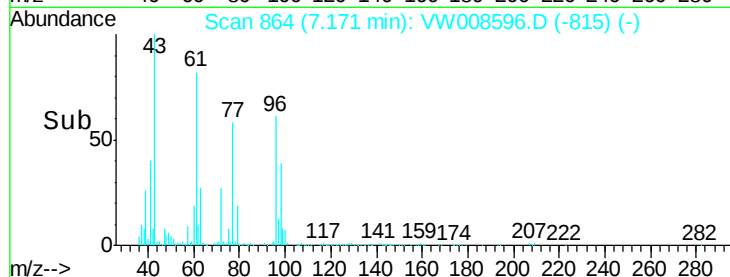
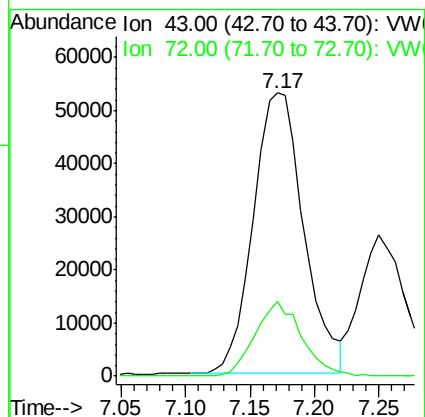
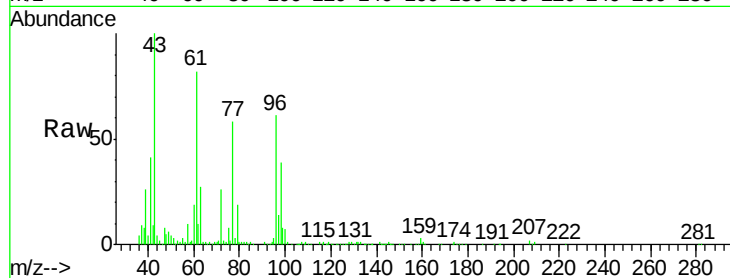
Ion Ratio Lower Upper

43 100

72 26.7 20.1 30.1

Manual Integrations
APPROVED

MMDadoda
2/12/2019 1:43:00 PM



#26

2,2-Dichloropropane

Concen: 20.828 ug/l

RT: 7.16 min Scan# 862

Delta R.T. -0.01 min

Lab File: VW008596.D

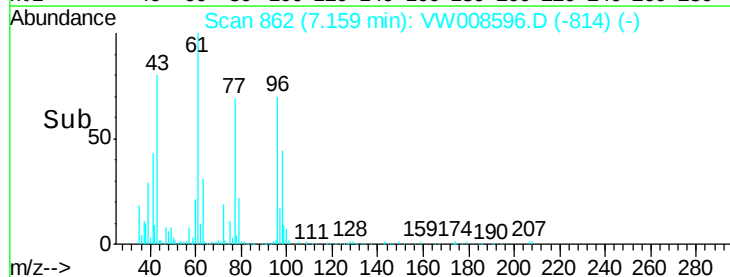
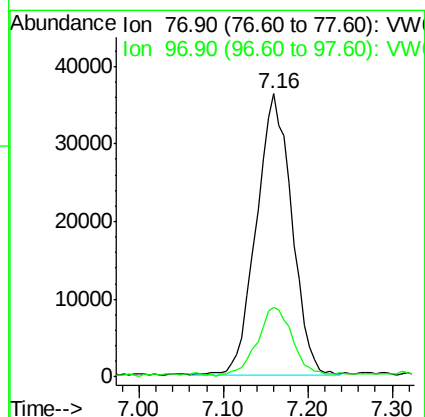
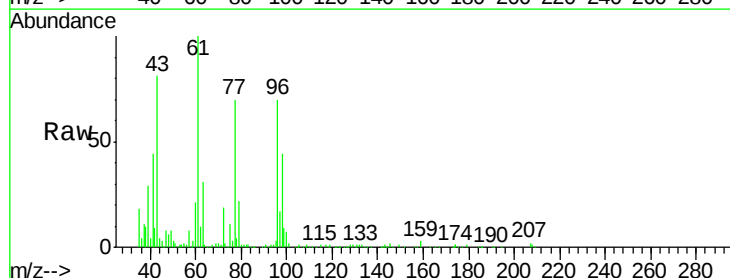
Acq: 11 Feb 2019 14:41

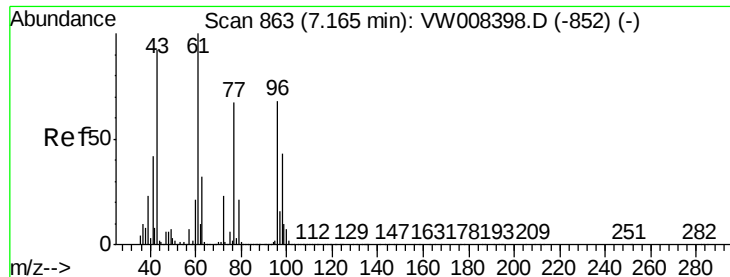
Tgt Ion: 77 Resp: 104084

Ion Ratio Lower Upper

77 100

97 24.5 11.5 34.5





#27

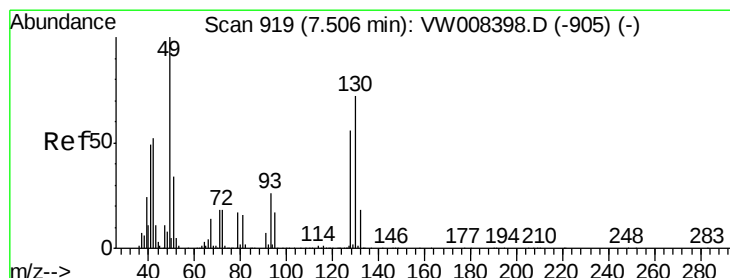
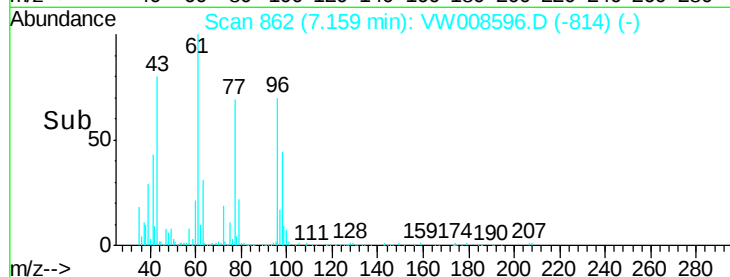
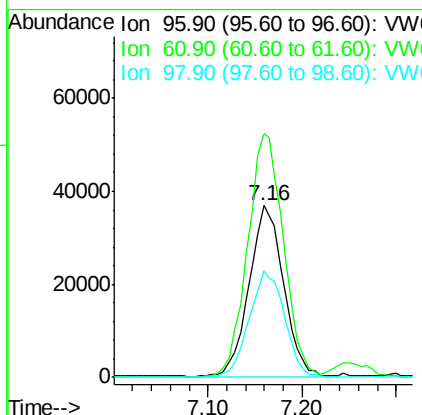
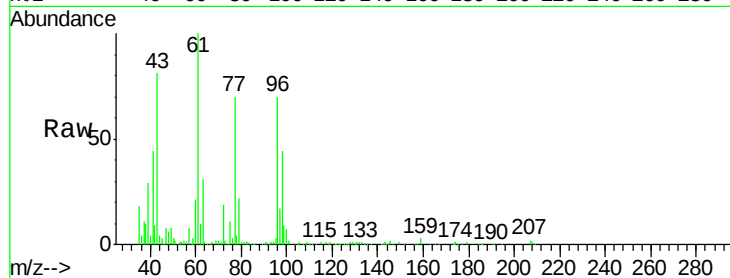
cis-1,2-Dichloroethene
Concen: 21.097 ug/l
RT: 7.16 min Scan# 862
Delta R.T. -0.01 min
Lab File: VW008596.D
Acq: 11 Feb 2019 14:41

Instrument :
MSVOA_W
ClientSampleId :
VW0211SBS01

Tot Ion	Ratio	Lower	Upper
96	100		
61	149.3	0.0	292.8
98	64.8	0.0	129.2

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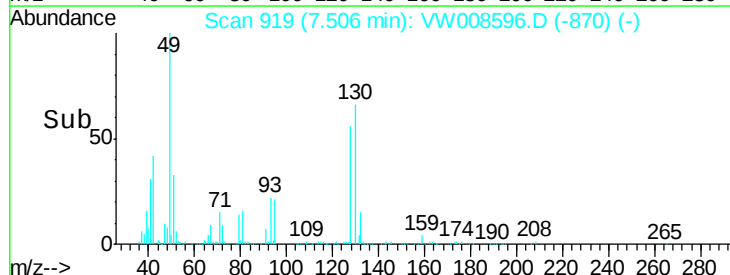
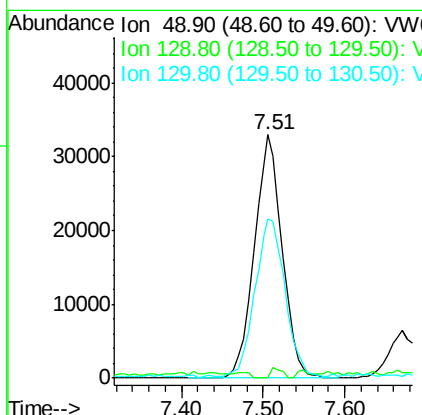
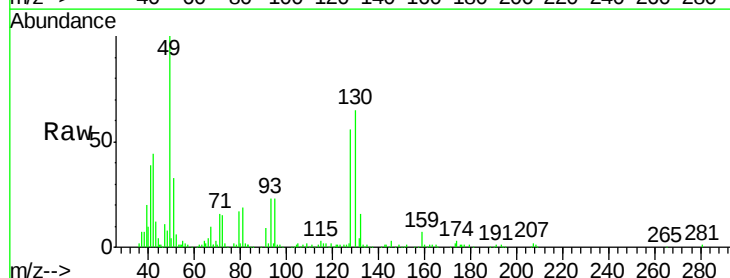
MMDadoda
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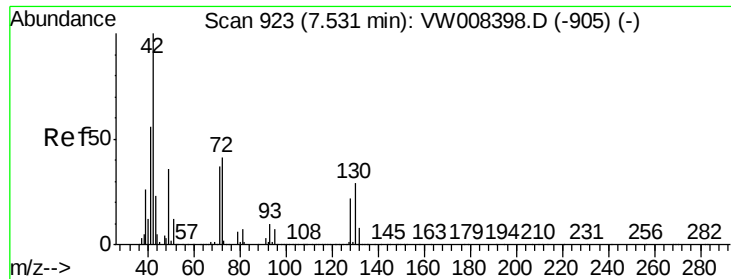


#28

Bromochloromethane
Concen: 23.040 ug/l
RT: 7.51 min Scan# 919
Delta R.T. 0.00 min
Lab File: VW008596.D
Acq: 11 Feb 2019 14:41

Tgt Ion	Ratio	Lower	Upper
49	100		
129	1.6	0.0	4.6
130	69.6	58.6	87.8





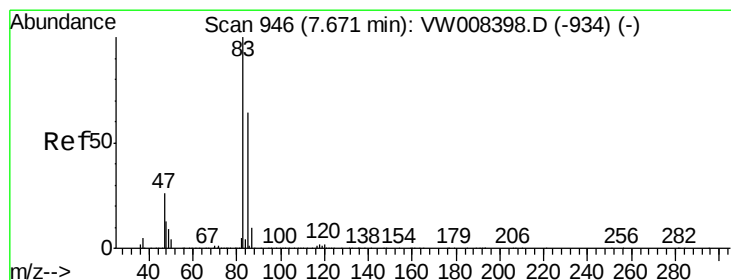
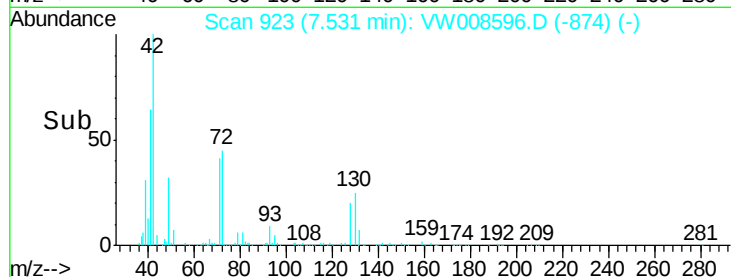
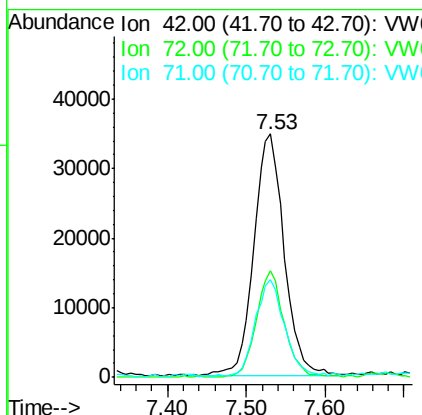
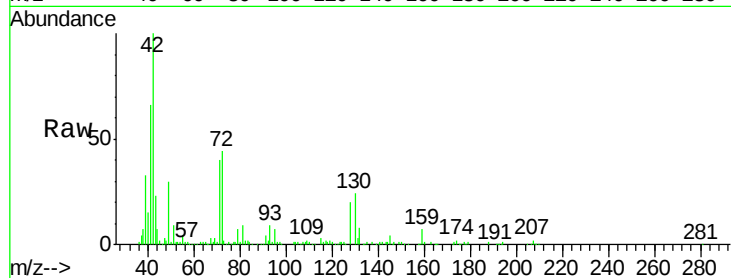
#29
Tetrahydrofuran
Concen: 119.855 ug/l
RT: 7.53 min Scan# 923
Delta R.T. 0.00 min
Lab File: VW008596.D
Acq: 11 Feb 2019 14:41

Instrument :
MSVOA_W
ClientSampleId :
VW0211SBS01

Tot Ion	Ratio	Lower	Upper
42	100		
72	40.9	31.9	47.9
71	37.7	29.9	44.9

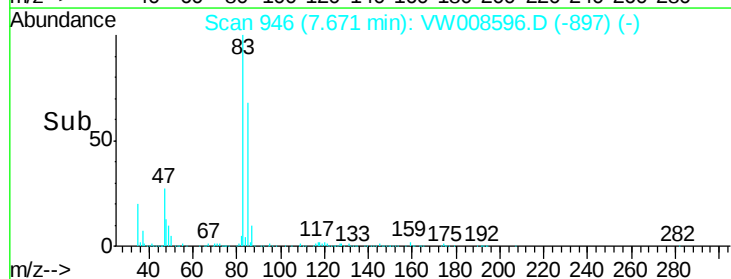
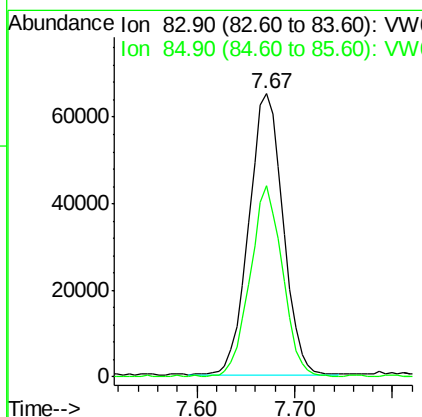
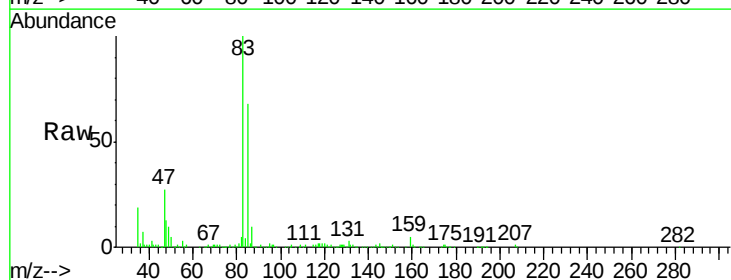
Manual Integrations
APPROVED

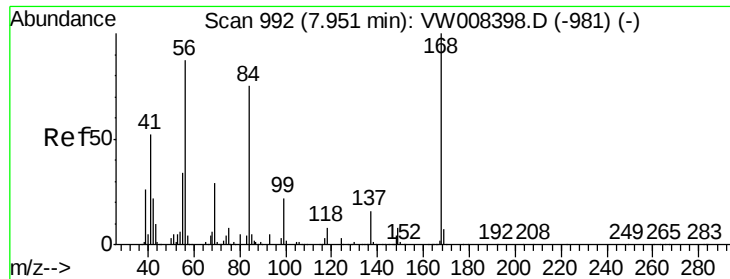
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#30
Chloroform
Concen: 21.830 ug/l
RT: 7.67 min Scan# 946
Delta R.T. 0.00 min
Lab File: VW008596.D
Acq: 11 Feb 2019 14:41

Tgt Ion	Ratio	Lower	Upper
83	100		
85	68.2	50.9	76.3





#31

Cyclohexane

Concen: 19.778 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.01 min

Lab File: VW008596.D

Acq: 11 Feb 2019 14:41

Instrument :

MSVOA_W

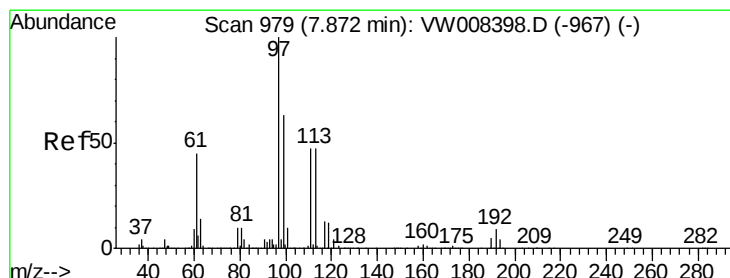
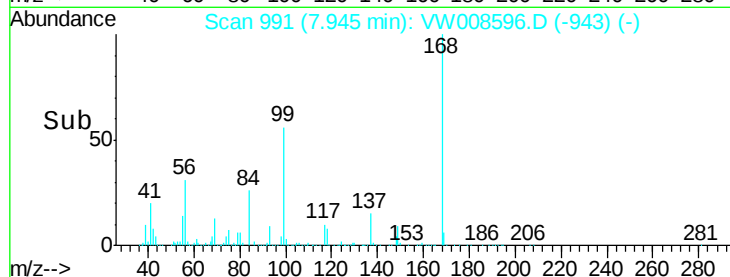
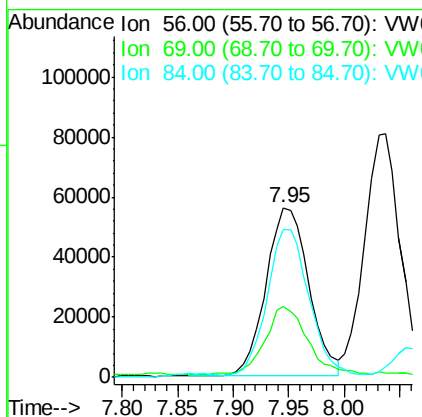
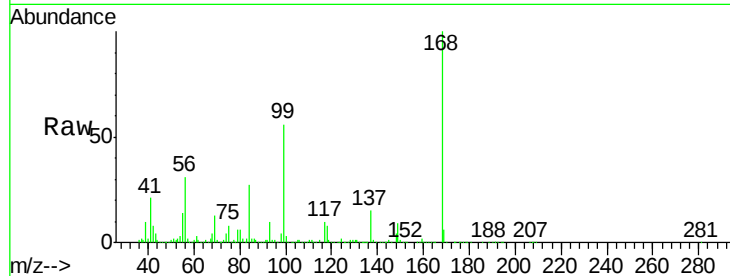
ClientSampleId :

VW0211SBS01

Tot Ion:	56	Resp:	151195
Ion Ratio		Lower	Upper
56	100		
69	40.4	26.4	39.6#
84	85.1	69.1	103.7

Manual Integrations
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#32

1,1,1-Trichloroethane

Concen: 22.219 ug/l

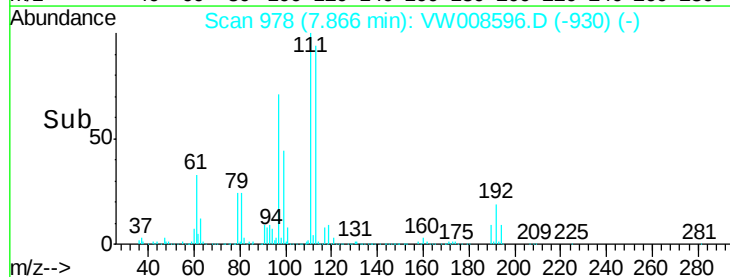
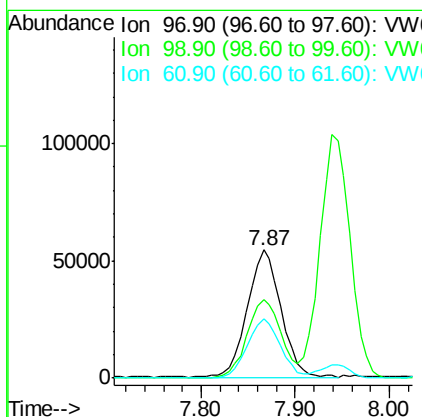
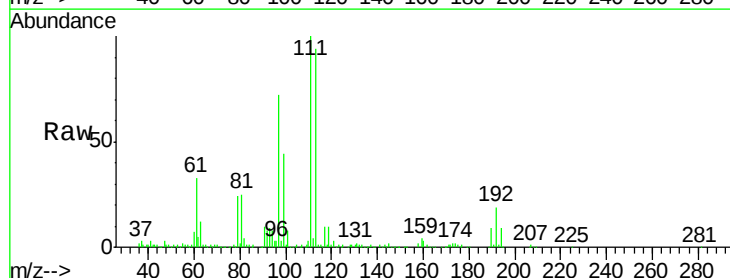
RT: 7.87 min Scan# 978

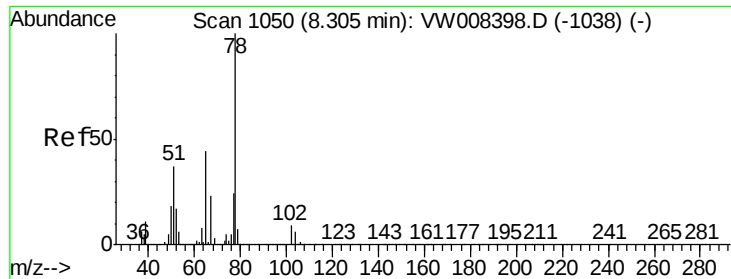
Delta R.T. -0.01 min

Lab File: VW008596.D

Acq: 11 Feb 2019 14:41

Tgt Ion:	97	Resp:	139551
Ion Ratio		Lower	Upper
97	100		
99	61.2	51.3	76.9
61	44.5	36.2	54.4





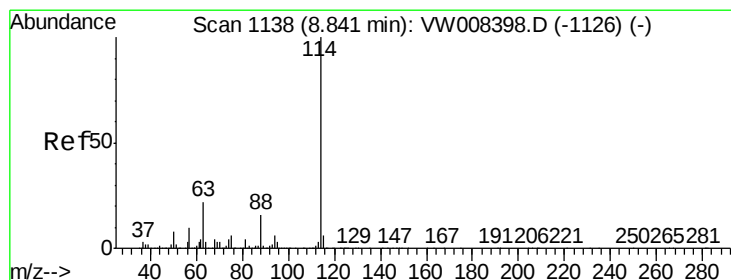
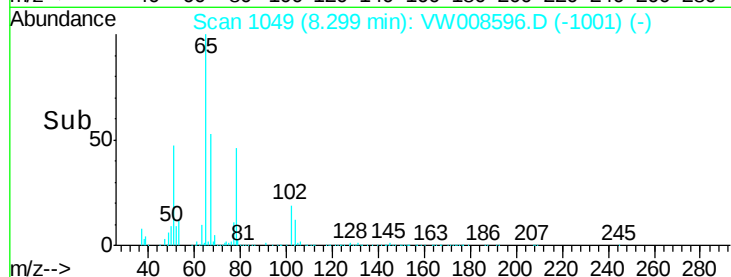
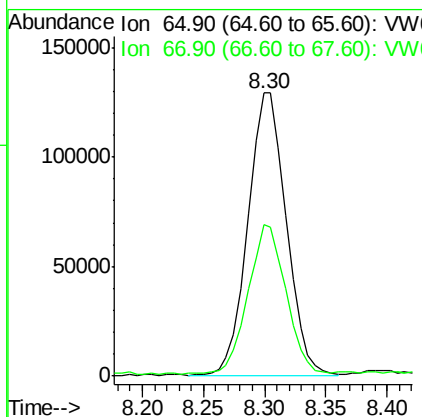
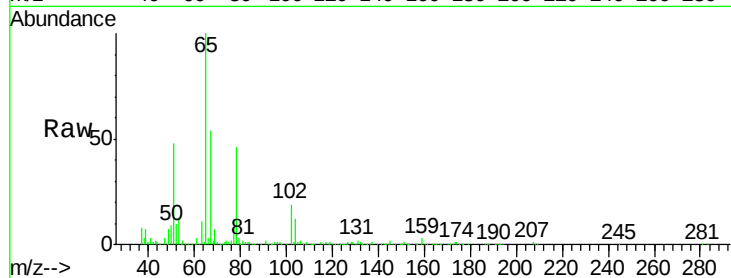
#33
 1,2-Dichloroethane-d4
 Concen: 72.197 ug/l
 RT: 8.30 min Scan# 1049
 Delta R.T. -0.01 min
 Lab File: VW008596.D
 Acq: 11 Feb 2019 14:41

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0211SBS01

Tot Ion	Ratio	Resp	Lower	Upper
65	100	281215		
67	51.5	0.0	104.0	

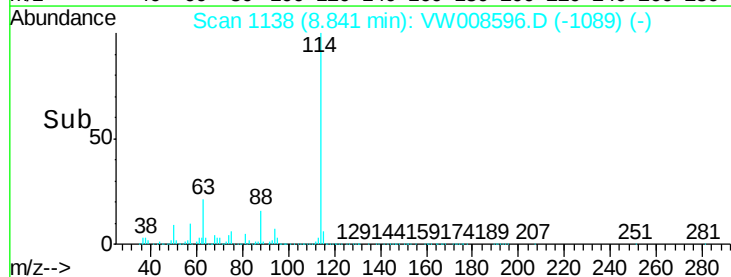
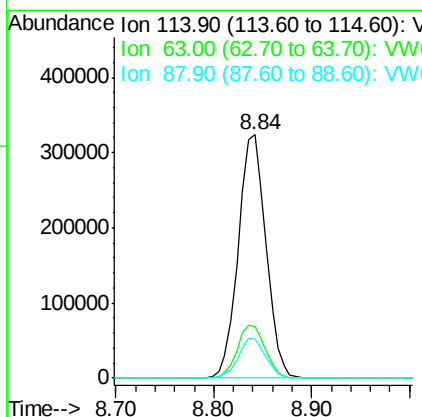
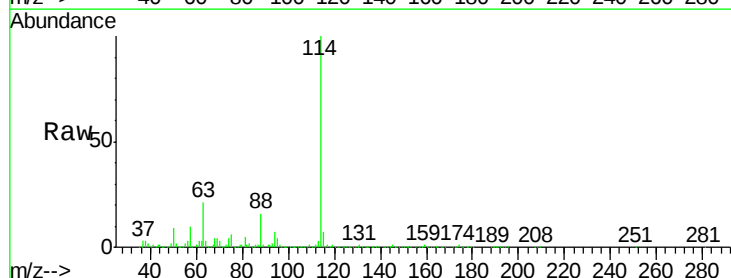
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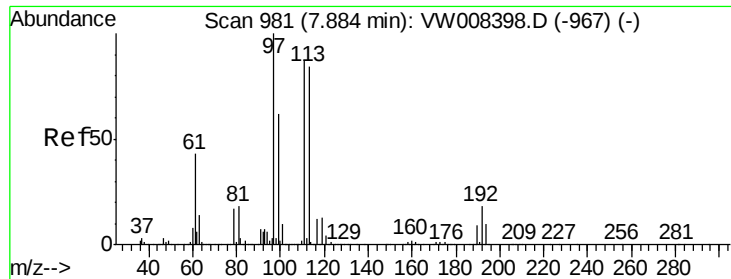
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1138
 Delta R.T. 0.00 min
 Lab File: VW008596.D
 Acq: 11 Feb 2019 14:41

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	637362		
63	21.2	0.0	43.6	
88	16.0	0.0	31.8	





#35

Dibromofluoromethane

Concen: 66.663 ug/l

RT: 7.88 min Scan# 980

Delta R.T. -0.01 min

Lab File: VW008596.D

Acq: 11 Feb 2019 14:41

Instrument :

MSVOA_W

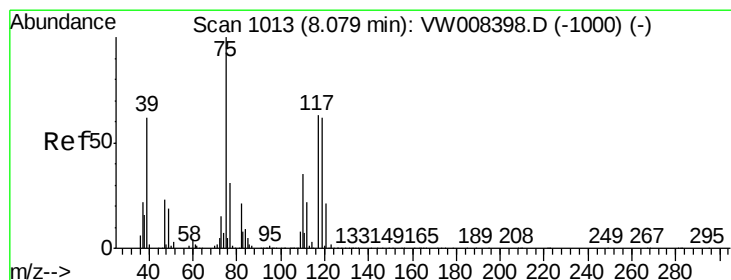
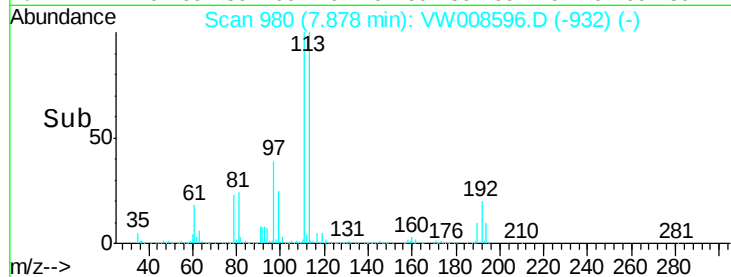
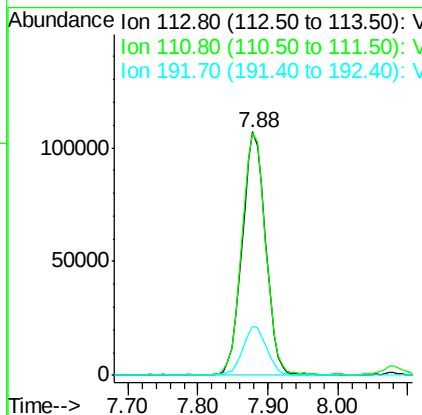
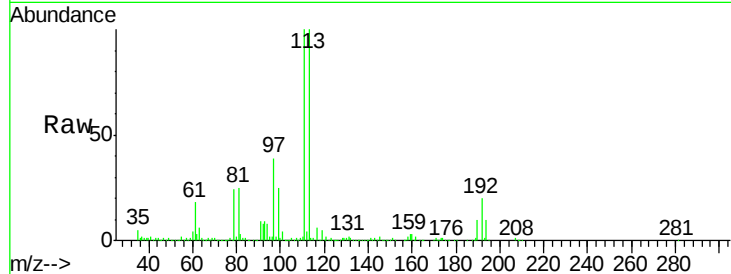
ClientSampleId :

VW0211SBS01

Tot Ion:	113	Resp:	248444
Ion Ratio	Lower	Upper	
113	100		
111	101.6	81.0	121.4
192	20.6	16.8	25.2

Manual Integrations
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#36

1,1-Dichloropropene

Concen: 20.915 ug/l

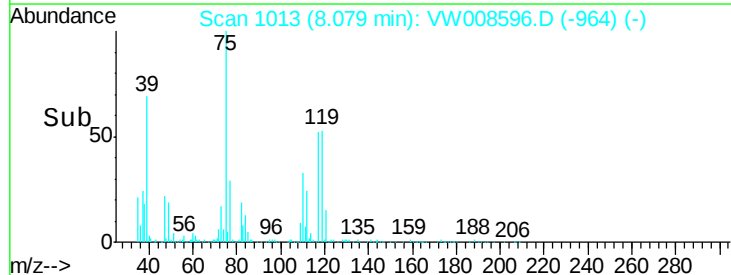
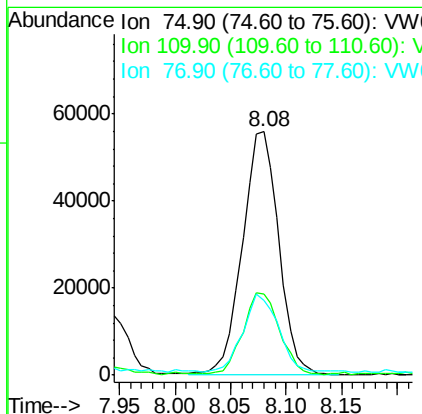
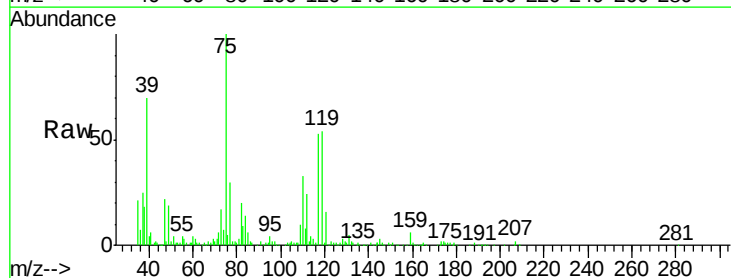
RT: 8.08 min Scan# 1013

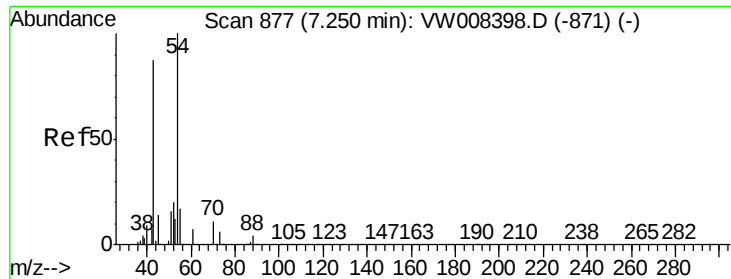
Delta R.T. 0.00 min

Lab File: VW008596.D

Acq: 11 Feb 2019 14:41

Tgt Ion:	75	Resp:	125922
Ion Ratio	Lower	Upper	
75	100		
110	34.3	17.3	52.0
77	31.9	24.7	37.1





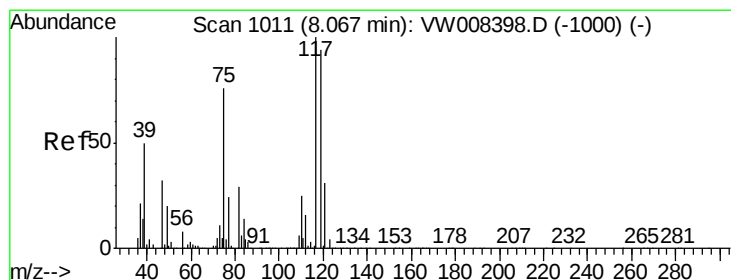
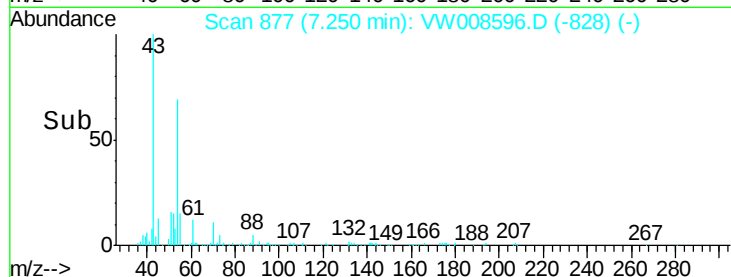
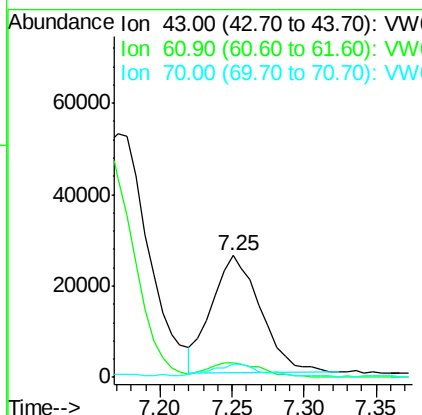
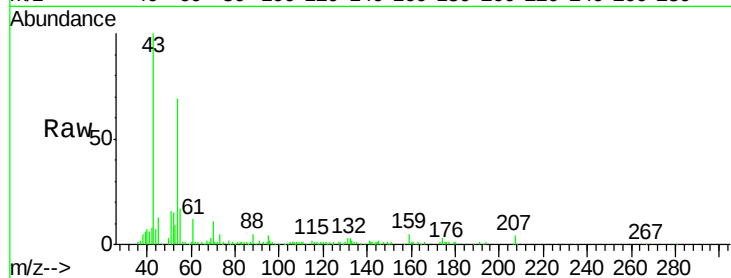
#37
Ethyl Acetate
Concen: 22.706 ug/l
RT: 7.25 min Scan# 877
Delta R.T. 0.00 min
Lab File: VW008596.D
Acq: 11 Feb 2019 14:41

Instrument :
MSVOA_W
ClientSampleId :
VW0211SBS01

Tot Ion	Ratio	Lower	Upper
43	100		
61	14.1	10.1	15.1
70	12.8	7.8	11.6

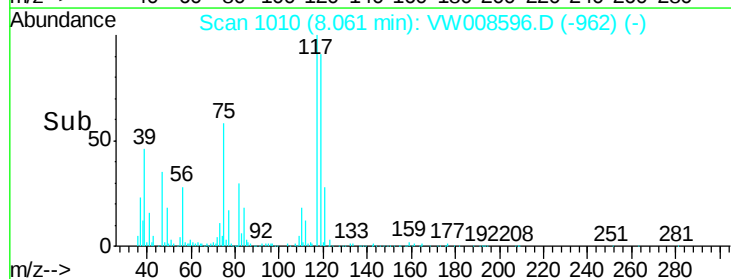
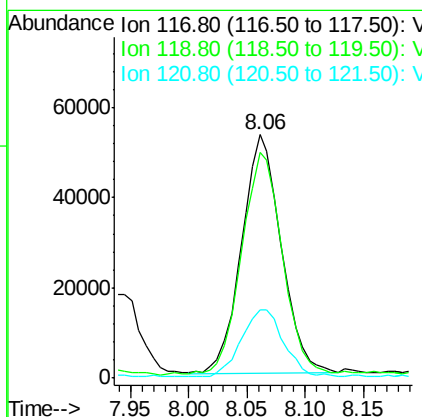
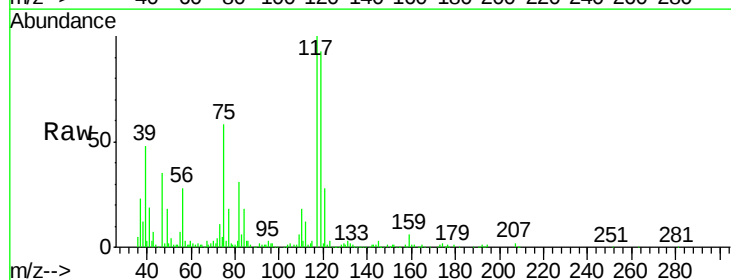
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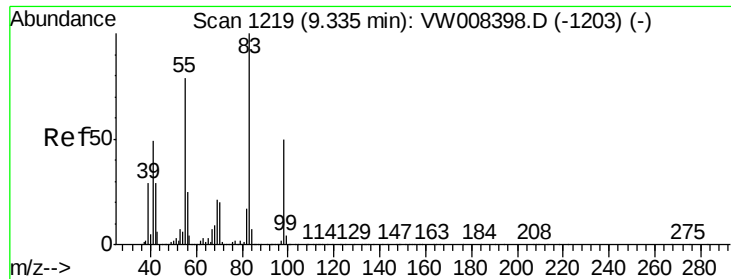
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#38
Carbon Tetrachloride
Concen: 20.635 ug/l
RT: 8.06 min Scan# 1010
Delta R.T. -0.01 min
Lab File: VW008596.D
Acq: 11 Feb 2019 14:41

Tgt Ion	Ratio	Lower	Upper
117	100		
119	92.7	75.0	112.4
121	28.1	24.9	37.3





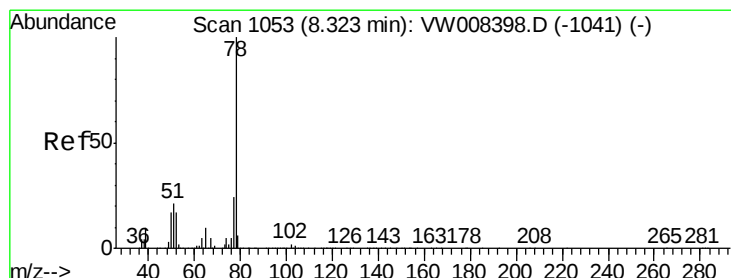
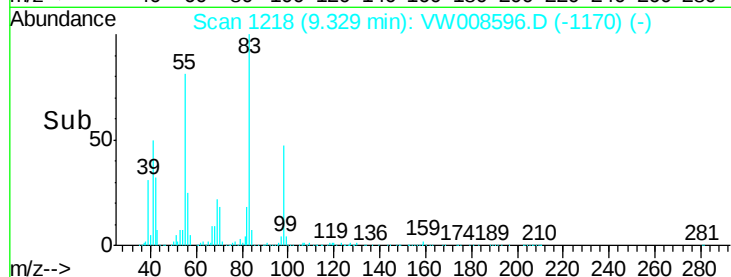
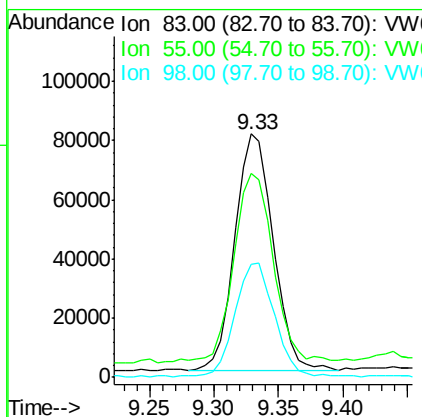
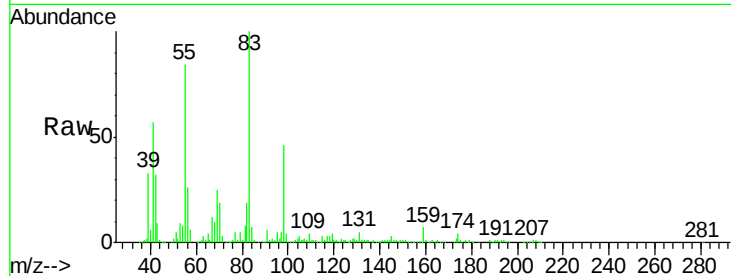
#39
Methvlcvclohexane
Concen: 20.924 ug/l
RT: 9.33 min Scan# 1218
Delta R.T. -0.01 min
Lab File: VW008596.D
Acq: 11 Feb 2019 14:41

Instrument :
MSVOA_W
ClientSampleId :
VW0211SBS01

Tot Ion	Ratio	Resp	Lower	Upper
83	100	165494		
55	79.1	63.3	94.9	
98	47.3	39.7	59.5	

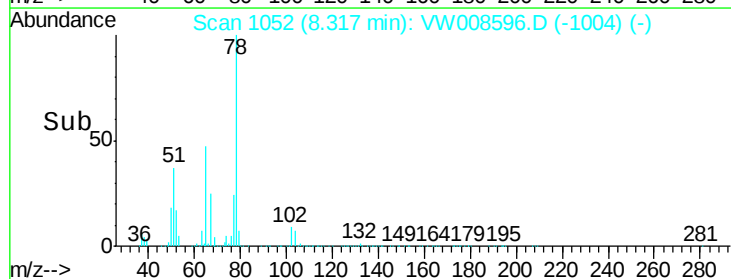
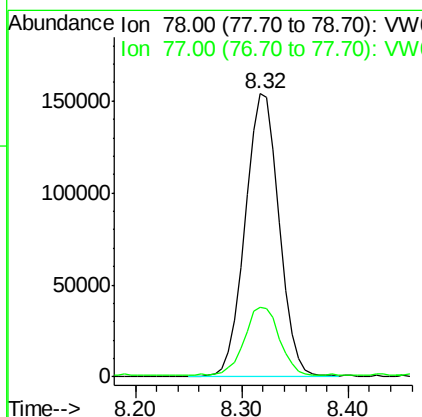
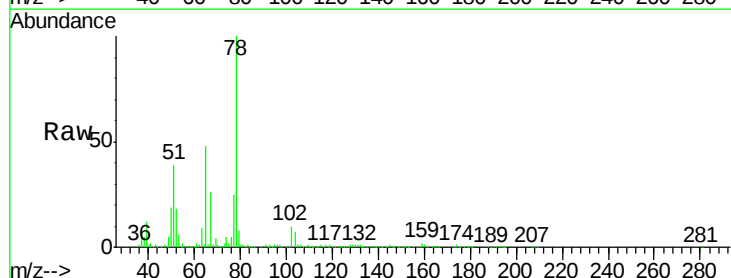
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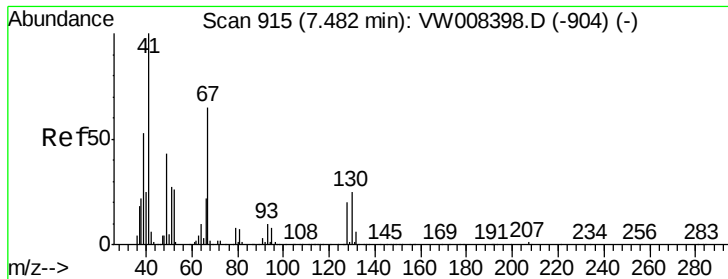
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2/12/2019 1:43:00 PM



#40
Benzene
Concen: 20.594 ug/l
RT: 8.32 min Scan# 1052
Delta R.T. -0.01 min
Lab File: VW008596.D
Acq: 11 Feb 2019 14:41

Tgt Ion	Ratio	Resp	Lower	Upper
78	100	344053		
77	24.2	19.0	28.6	





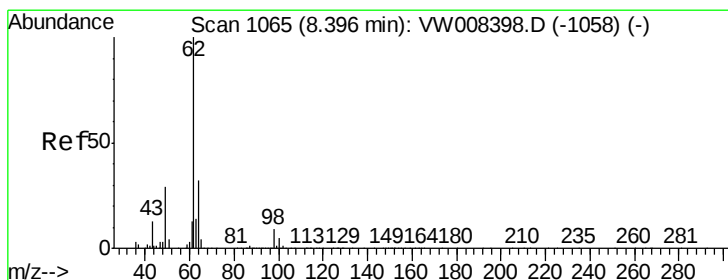
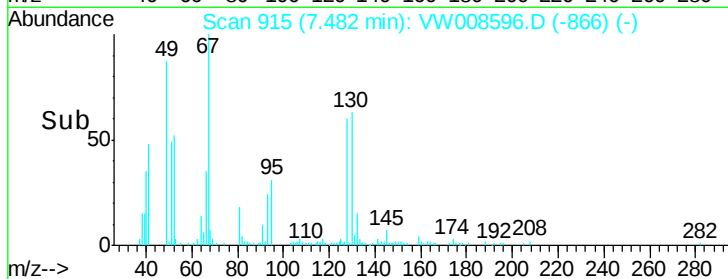
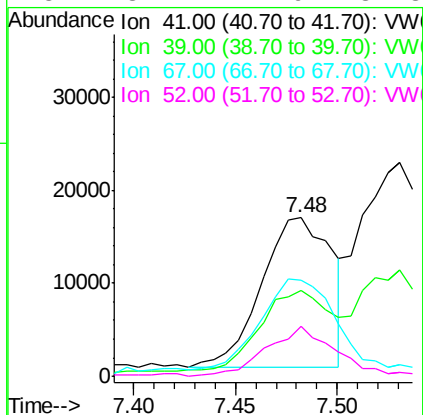
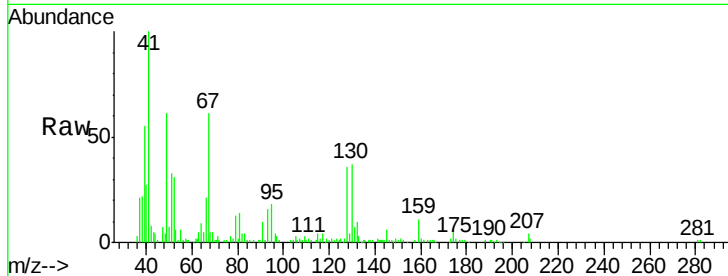
#41
Methacrylonitrile
Concen: 24.340 ug/l
RT: 7.48 min Scan# 915
Delta R.T. 0.00 min
Lab File: VW008596.D
Acq: 11 Feb 2019 14:41

Instrument :
MSVOA_W
ClientSampleId :
VW0211SBS01

Tot Ion	Ratio	Lower	Upper
41	100		
39	55.1	43.4	65.0
67	66.4	54.2	81.2
52	32.2	22.9	34.3

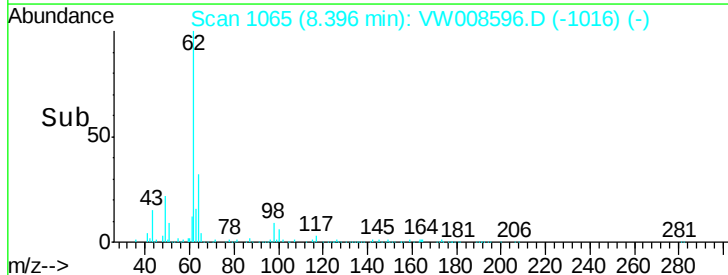
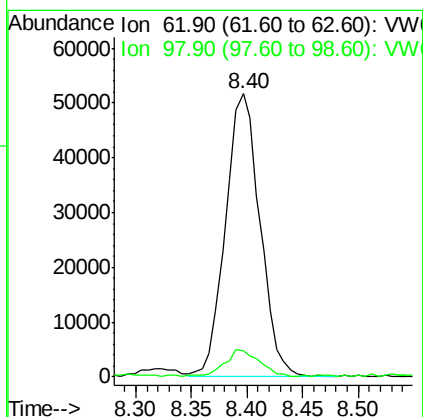
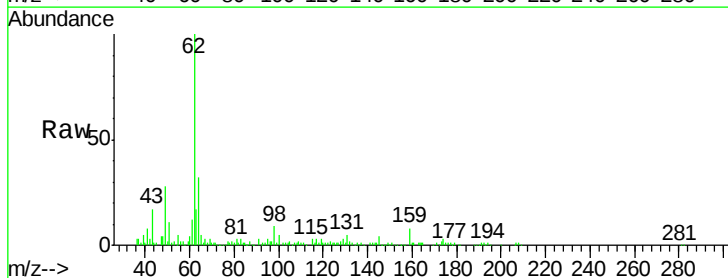
Manual Integrations
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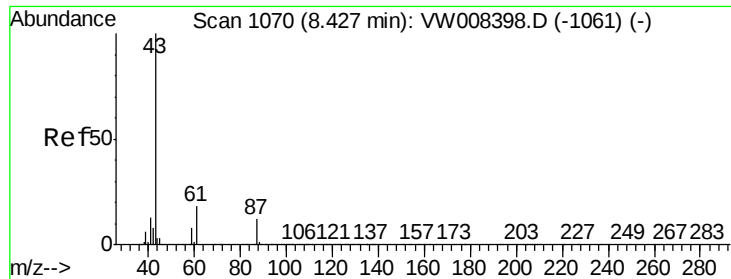
MMDadoda
2/12/2019 1:43:00 PM



#42
1,2-Dichloroethane
Concen: 22.773 ug/l
RT: 8.40 min Scan# 1065
Delta R.T. 0.00 min
Lab File: VW008596.D
Acq: 11 Feb 2019 14:41

Tgt Ion	Ratio	Lower	Upper
62	100		
98	9.4	0.0	18.6





#43

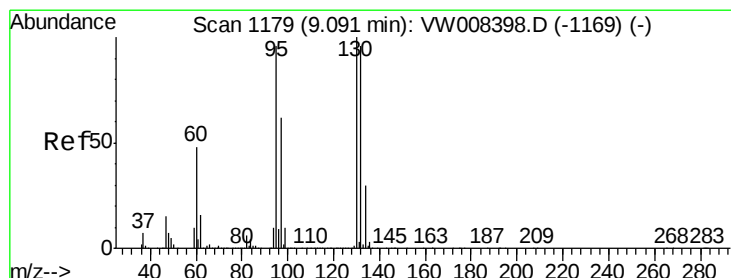
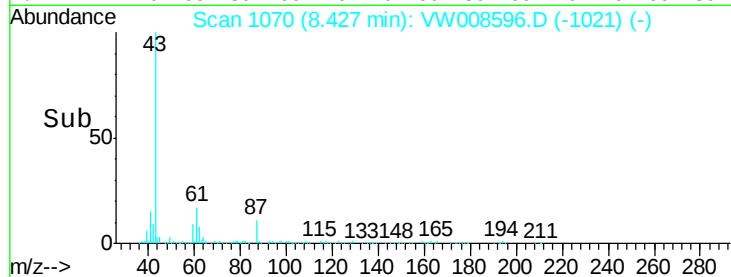
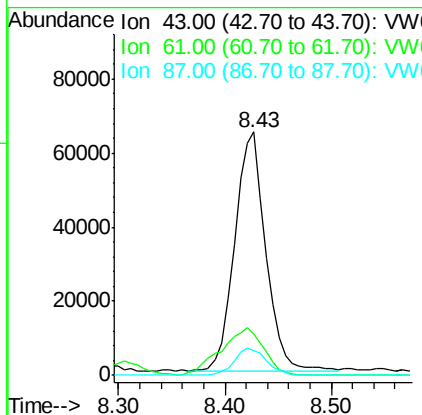
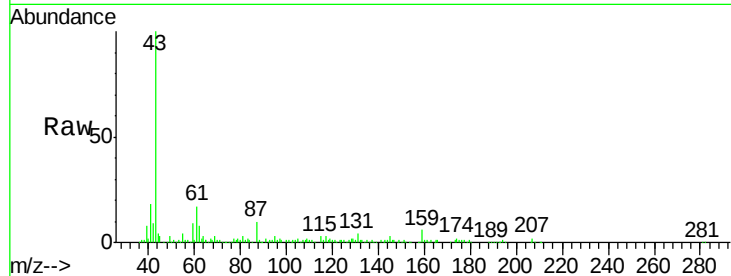
Isopropyl Acetate
 Concen: 23.828 ug/l
 RT: 8.43 min Scan# 1070
 Delta R.T. 0.00 min
 Lab File: VW008596.D
 Acq: 11 Feb 2019 14:41

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0211SBS01

Tot Ion	Ratio	Lower	Upper
43	100		
61	27.5	22.0	33.0
87	12.0	9.3	13.9

Manual Integrations
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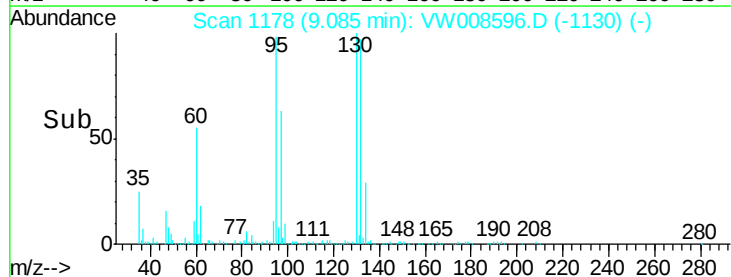
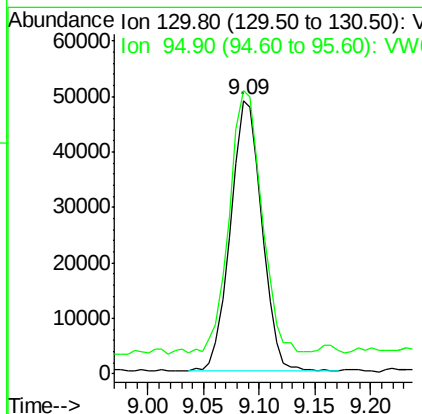
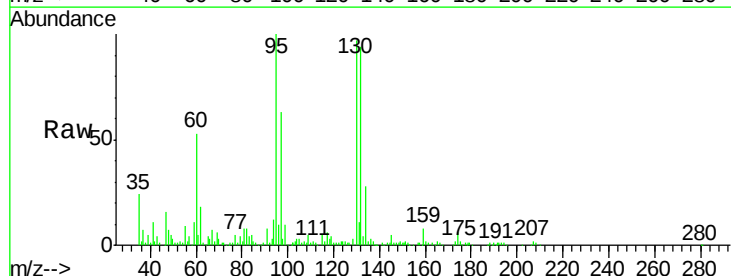
MMDadoda
 2/12/2019 1:43:00 PM

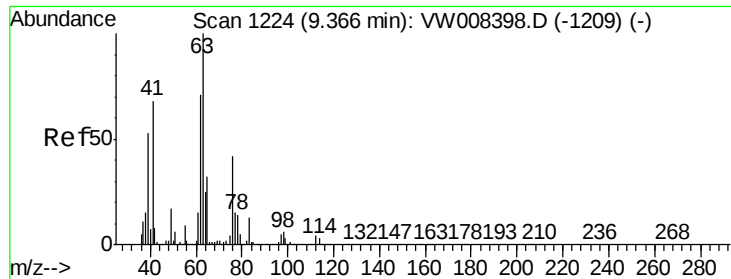


#44

Trichloroethene
 Concen: 20.926 ug/l
 RT: 9.09 min Scan# 1178
 Delta R.T. -0.01 min
 Lab File: VW008596.D
 Acq: 11 Feb 2019 14:41

Tgt Ion	Ratio	Lower	Upper
130	100		
95	96.8	0.0	191.6





#45

1,2-Dichloropropane

Concen: 21.910 ug/l

RT: 9.37 min Scan# 1224

Delta R.T. 0.00 min

Lab File: VW008596.D

Acq: 11 Feb 2019 14:41

Instrument :

MSVOA_W

ClientSampleId :

VW0211SBS01

Tot Ion: 63 Resp: 91269

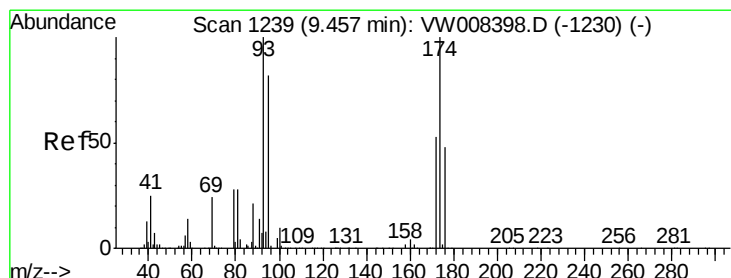
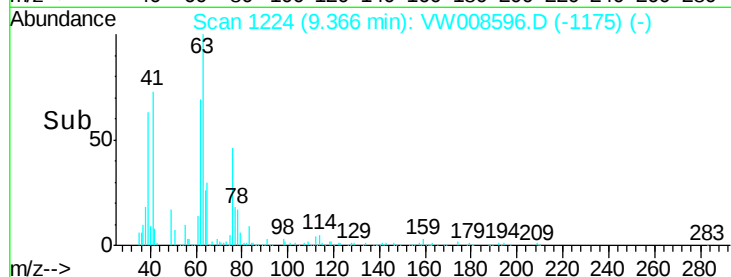
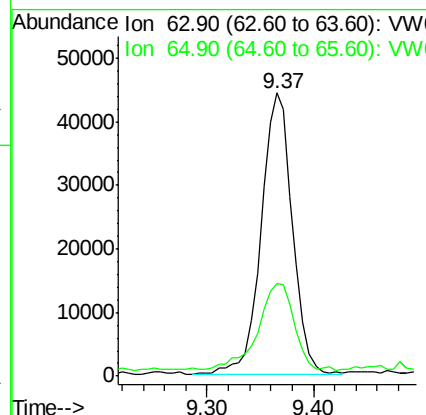
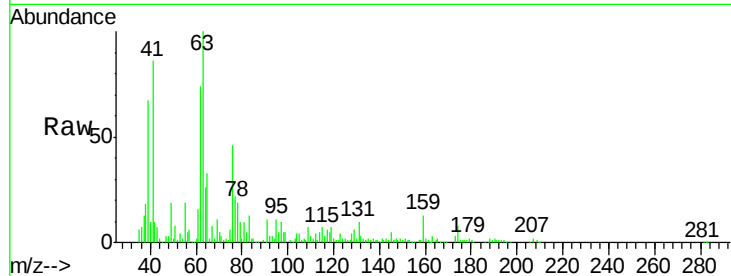
Ion Ratio Lower Upper

63 100

65 30.3 25.2 37.8

Manual Integrations
APPROVED

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2/12/2019 1:43:00 PM



#46

Dibromomethane

Concen: 22.679 ug/l

RT: 9.46 min Scan# 1239

Delta R.T. 0.00 min

Lab File: VW008596.D

Acq: 11 Feb 2019 14:41

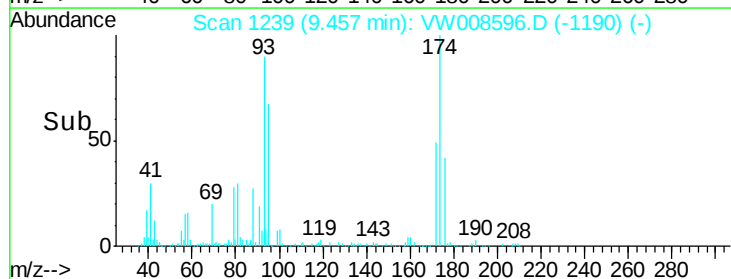
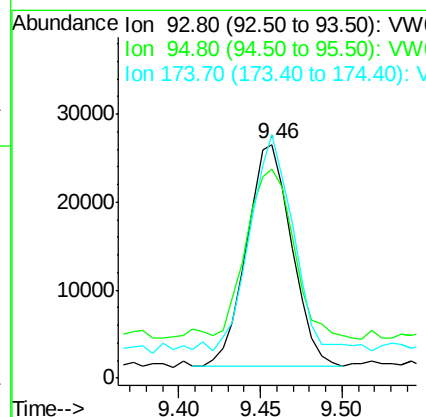
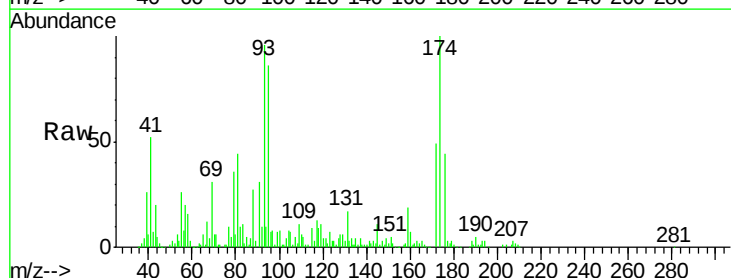
Tgt Ion: 93 Resp: 48589

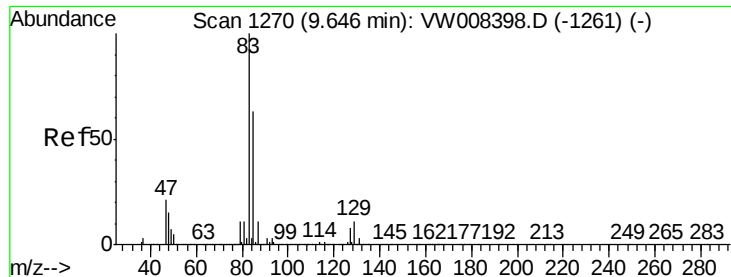
Ion Ratio Lower Upper

93 100

95 80.8 65.9 98.9

174 99.2 81.0 121.6





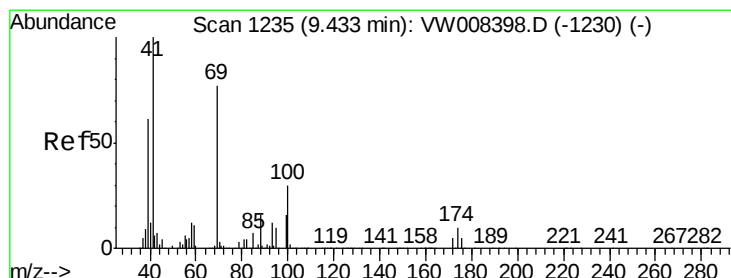
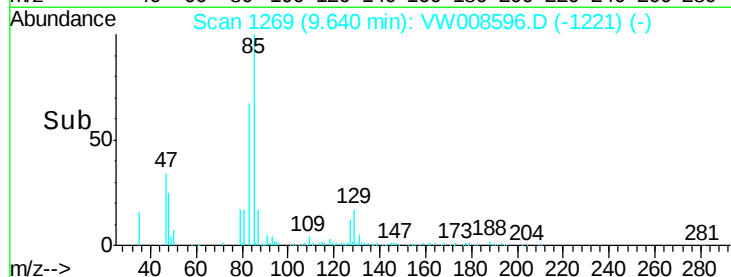
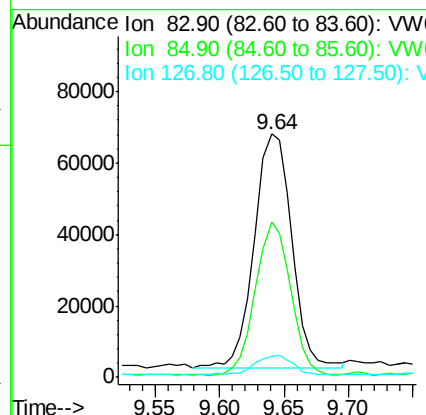
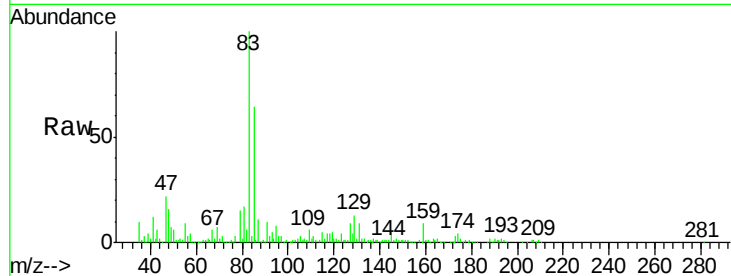
#47
Bromodichloromethane
Concen: 23.168 ug/l
RT: 9.64 min Scan# 1269
Delta R.T. -0.01 min
Lab File: VW008596.D
Acq: 11 Feb 2019 14:41

Instrument :
MSVOA_W
ClientSampleId :
VW0211SBS01

Tot Ion	Ratio	Resp	Lower	Upper
83	100	131289		
85	65.1	50.8	76.2	
127	8.1	6.8	10.2	

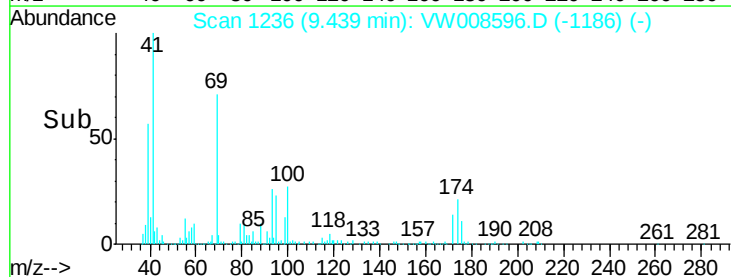
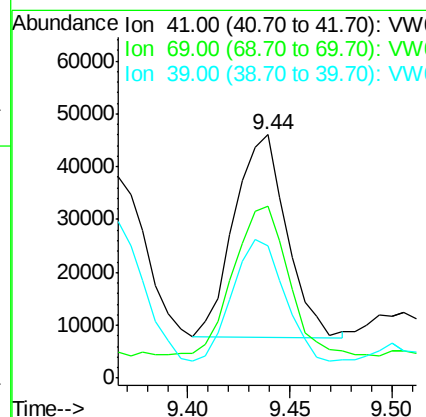
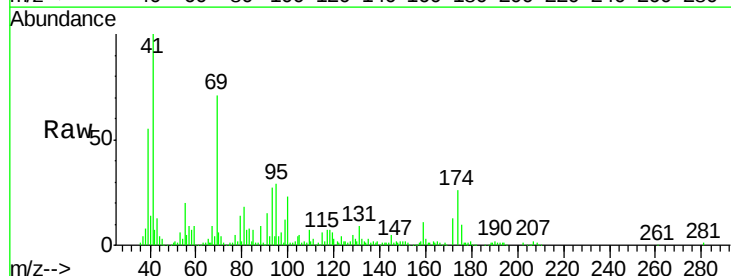
Manual Integrations
APPROVED

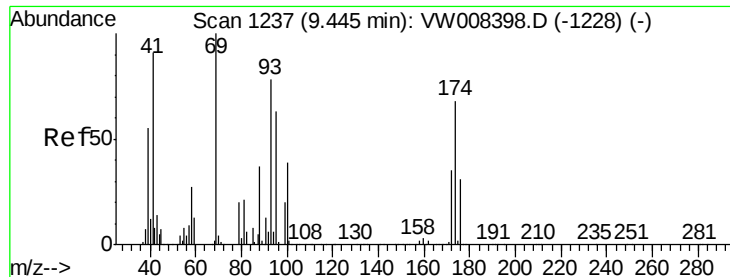
MMDadoda
2/12/2019 1:43:00 PM



#48
Methyl methacrylate
Concen: 25.430 ug/l
RT: 9.44 min Scan# 1236
Delta R.T. 0.01 min
Lab File: VW008596.D
Acq: 11 Feb 2019 14:41

Tgt Ion	Ratio	Resp	Lower	Upper
41	100	68811		
69	79.1	64.8	97.2	
39	65.0	49.1	73.7	





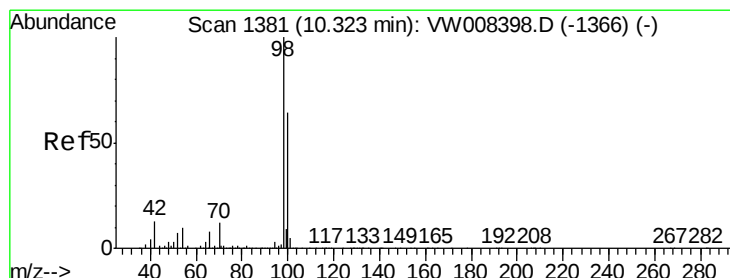
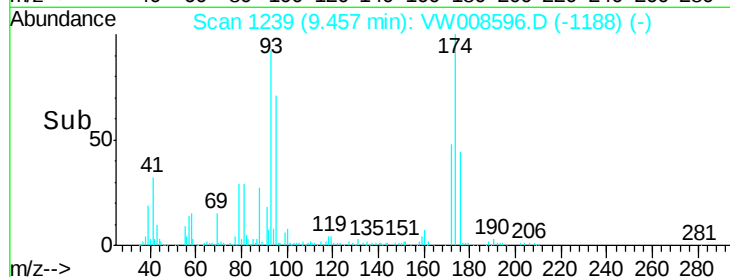
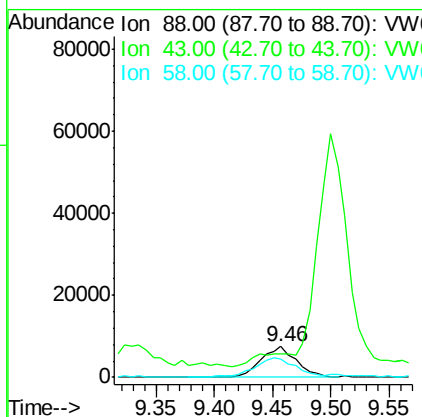
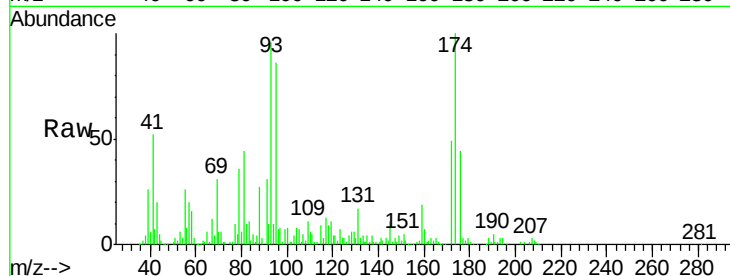
#49
1,4-Dioxane
Concen: 445.316 ug/l
RT: 9.46 min Scan# 1239
Delta R.T. 0.01 min
Lab File: VW008596.D
Acq: 11 Feb 2019 14:41

Instrument :
MSVOA_W
ClientSampleId :
VW0211SBS01

Tot Ion	Ratio	Lower	Upper
88	100		
43	0.0	29.0	43.4#
58	65.1	56.4	84.6

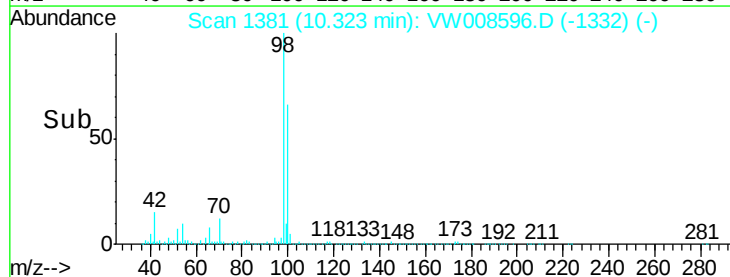
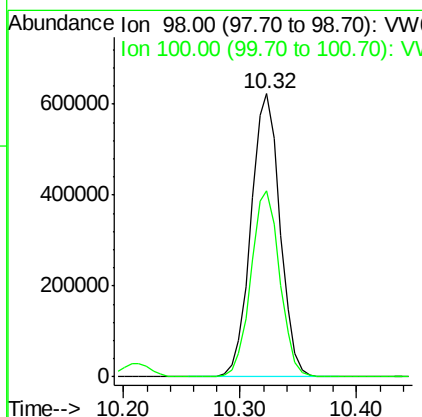
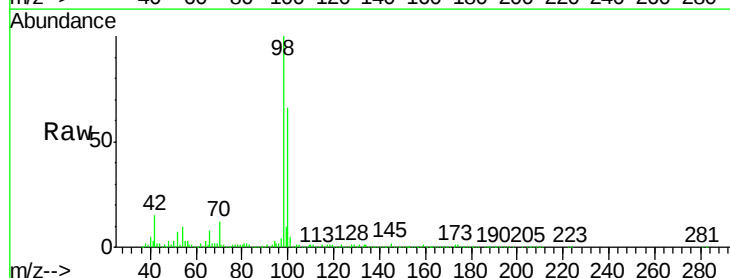
Manual Integrations
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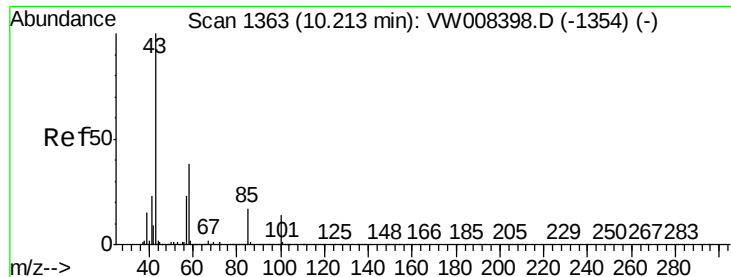
MMDadoda
2/12/2019 1:43:00 PM



#50
Toluene-d8
Concen: 72.399 ug/l
RT: 10.32 min Scan# 1381
Delta R.T. 0.00 min
Lab File: VW008596.D
Acq: 11 Feb 2019 14:41

Tgt Ion	Ratio	Lower	Upper
98	100		
100	65.4	52.6	78.8





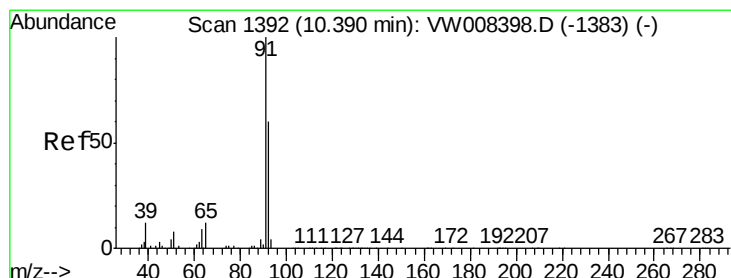
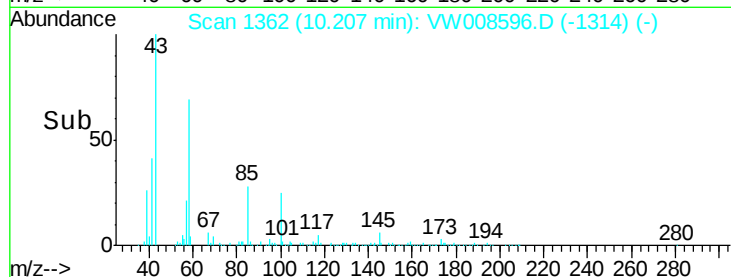
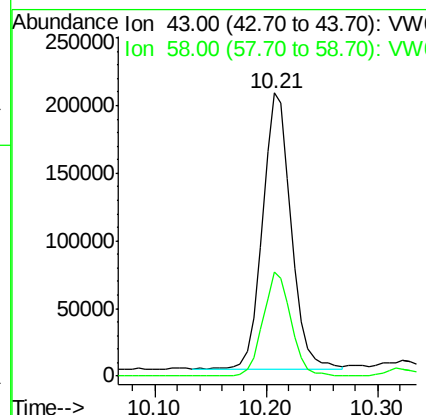
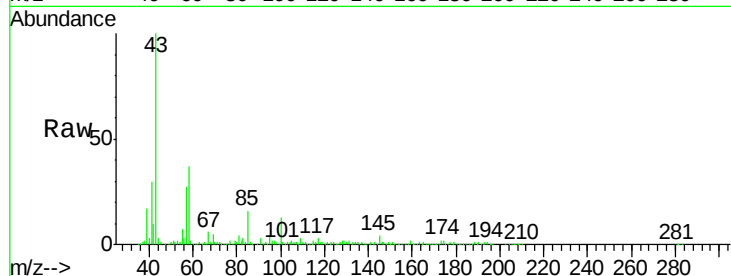
#51
4-Methyl-2-Pentanone
Concen: 133.468 ug/l
RT: 10.21 min Scan# 1362
Delta R.T. -0.01 min
Lab File: VW008596.D
Acq: 11 Feb 2019 14:41

Instrument :
MSVOA_W
ClientSampleId :
VW0211SBS01

Tot Ion	Ratio	Lower	Upper
43	100		
58	36.5	29.7	44.5

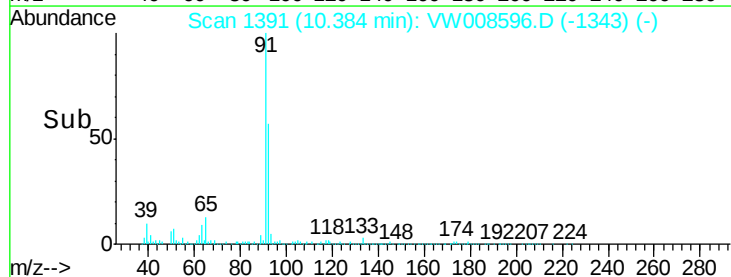
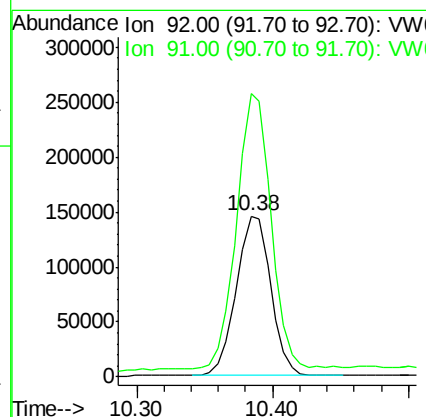
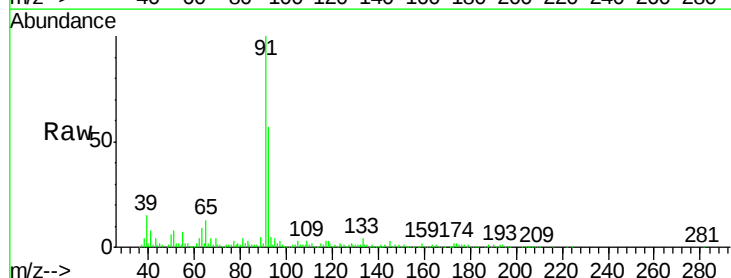
Manual Integrations
APPROVED

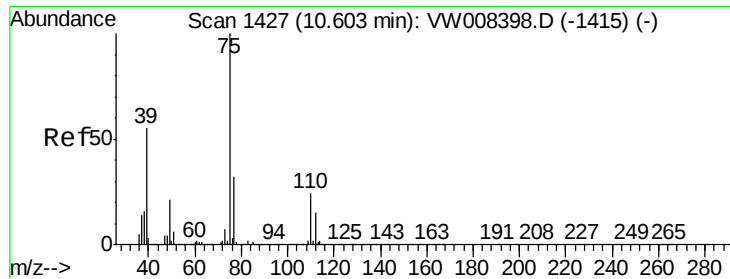
MMDadoda
2/12/2019 1:43:00 PM



#52
Toluene
Concen: 23.248 ug/l
RT: 10.38 min Scan# 1391
Delta R.T. -0.01 min
Lab File: VW008596.D
Acq: 11 Feb 2019 14:41

Tgt Ion	Ratio	Lower	Upper
92	100		
91	172.4	135.5	203.3





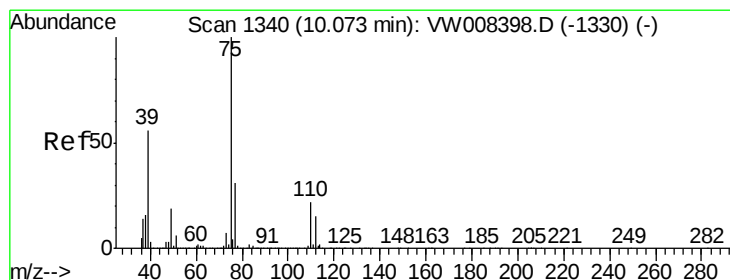
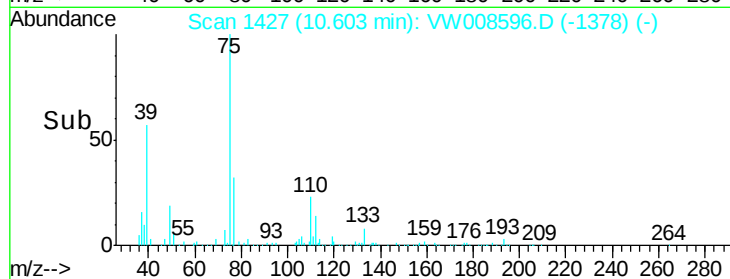
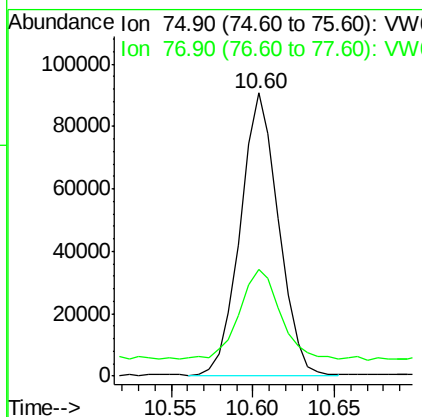
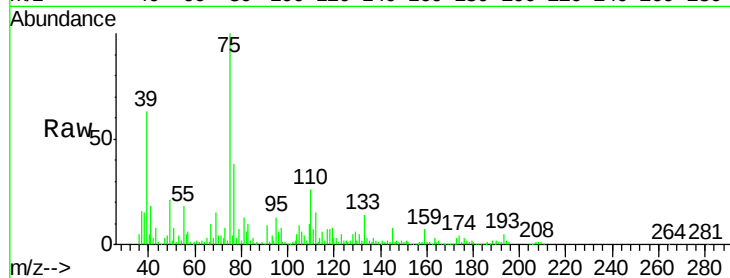
#53
t-1,3-Dichloropropene
Concen: 24.392 ug/l
RT: 10.60 min Scan# 1427
Delta R.T. 0.00 min
Lab File: VW008596.D
Acq: 11 Feb 2019 14:41

Instrument :
MSVOA_W
ClientSampled :
VW0211SBS01

Tot Ion	Ion	Ratio	Lower	Upper
75	75	100		
77	77	32.1	25.3	37.9

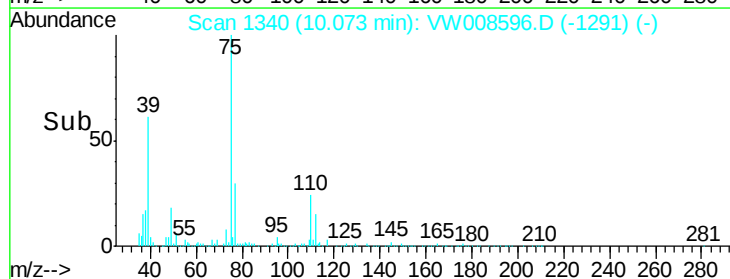
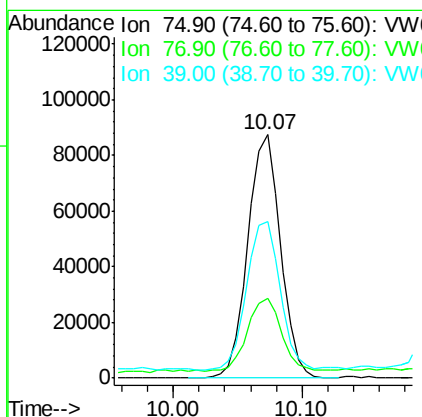
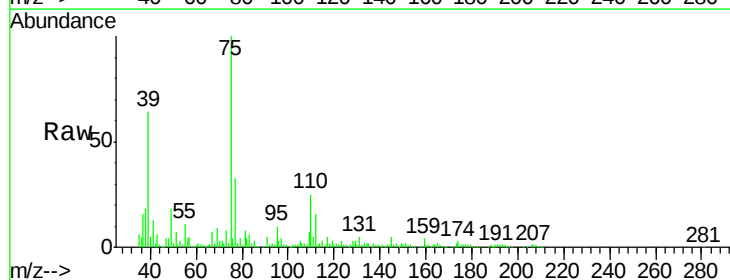
Manual Integrations
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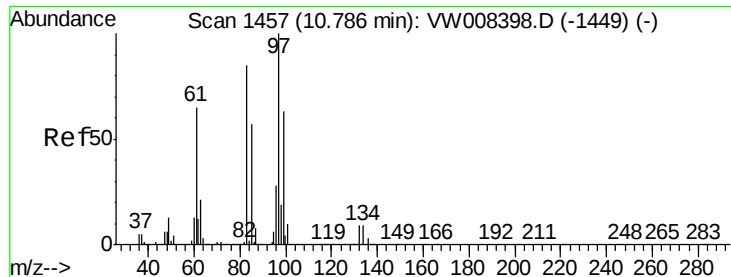
MMDadoda
2/12/2019 1:43:00 PM



#54
cis-1,3-Dichloropropene
Concen: 22.372 ug/l
RT: 10.07 min Scan# 1340
Delta R.T. 0.00 min
Lab File: VW008596.D
Acq: 11 Feb 2019 14:41

Tgt Ion	Ion	Ratio	Lower	Upper
75	75	100		
77	77	30.2	25.0	37.4
39	39	60.5	44.9	67.3





#55

1,1,2-Trichloroethane

Concen: 26.738 ug/l

RT: 10.79 min Scan# 1457

Delta R.T. 0.00 min

Lab File: VW008596.D

Acq: 11 Feb 2019 14:41

Instrument :

MSVOA_W

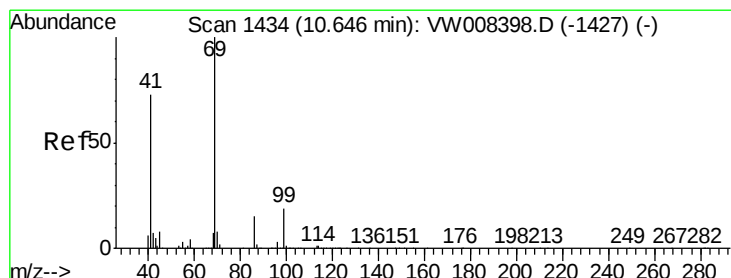
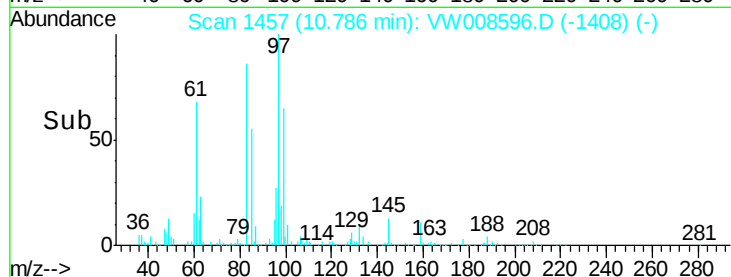
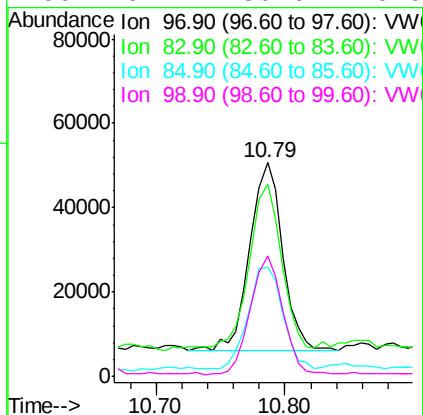
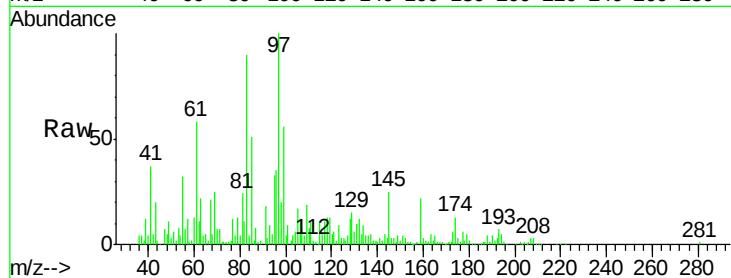
ClientSampleId :

VW0211SBS01

Tot Ion:	97	Resp:	79460
Ion	Ratio	Lower	Upper
97	100		
83	86.0	68.4	102.6
85	53.4	45.3	67.9
99	62.7	50.6	76.0

Manual Integrations
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MMDadoda
2/12/2019 1:43:00 PM



#56

Ethyl methacrylate

Concen: 26.642 ug/l

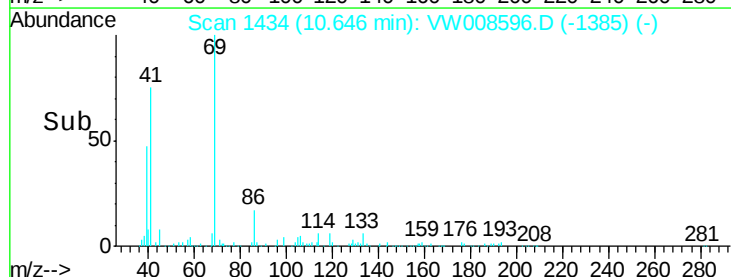
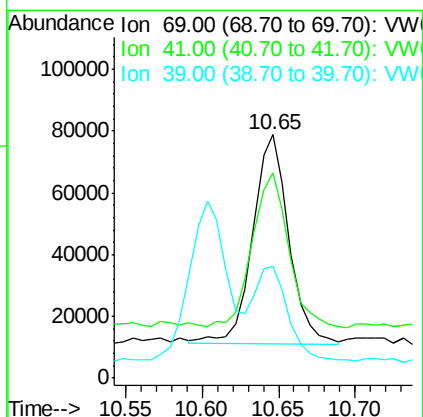
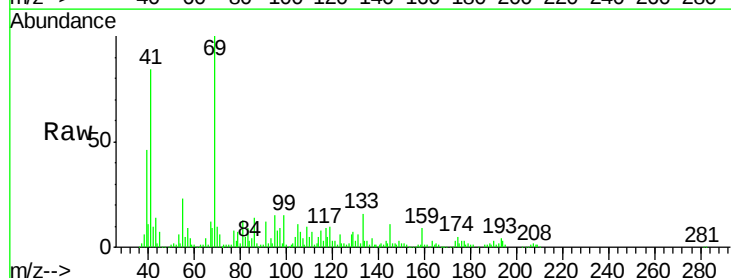
RT: 10.65 min Scan# 1434

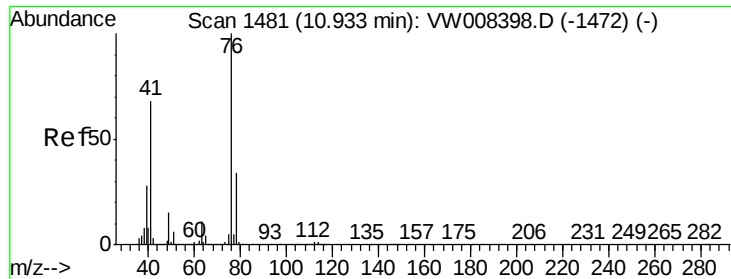
Delta R.T. 0.00 min

Lab File: VW008596.D

Acq: 11 Feb 2019 14:41

Tgt Ion:	69	Resp:	110940
Ion	Ratio	Lower	Upper
69	100		
41	74.8	58.7	88.1
39	42.2	32.6	48.8





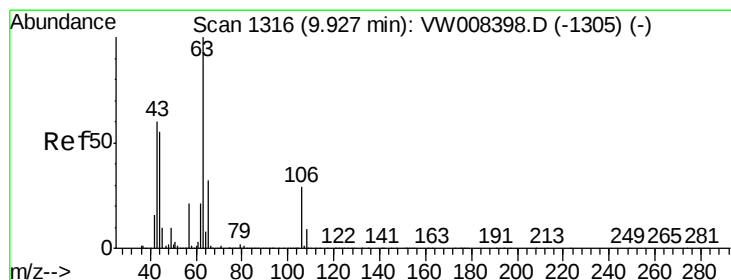
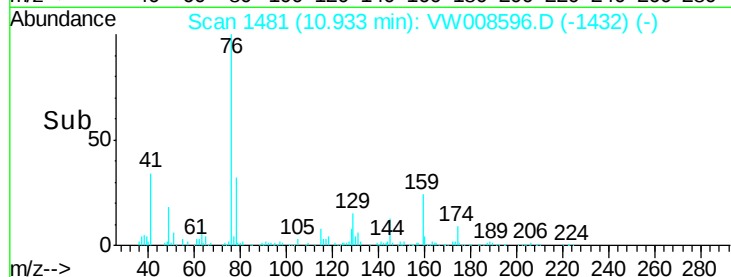
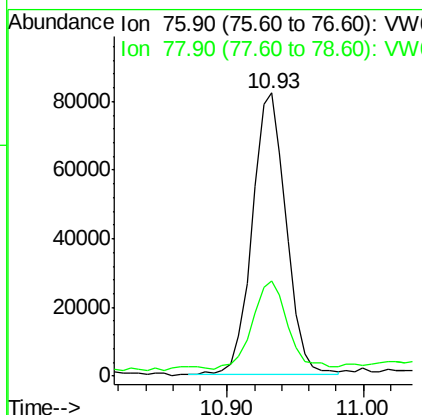
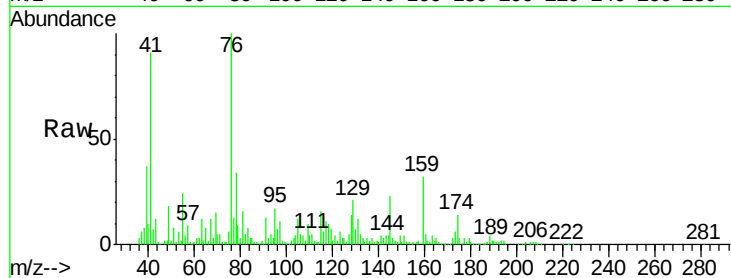
#57
 1,3-Dichloropropane
 Concen: 26.822 ug/l
 RT: 10.93 min Scan# 1481
 Delta R.T. 0.00 min
 Lab File: VW008596.D
 Acq: 11 Feb 2019 14:41

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0211SBS01

Tot Ion	Ratio	Lower	Upper
76	100		
78	33.3	25.8	38.8

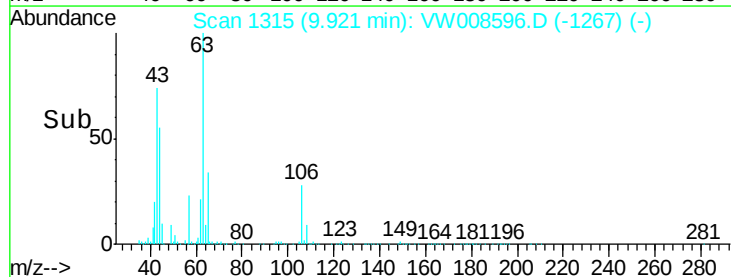
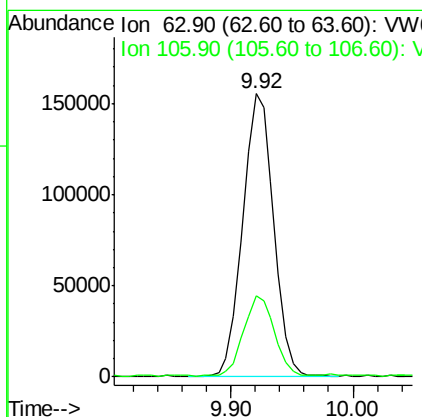
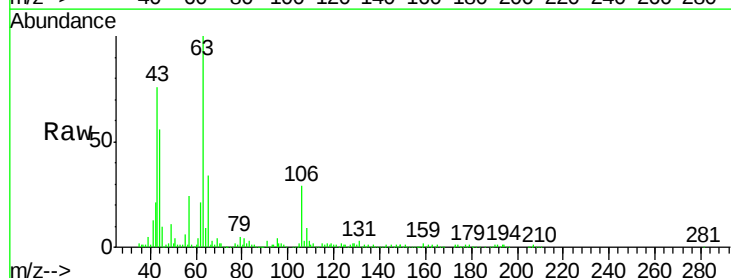
Manual Integrations
 APPROVED

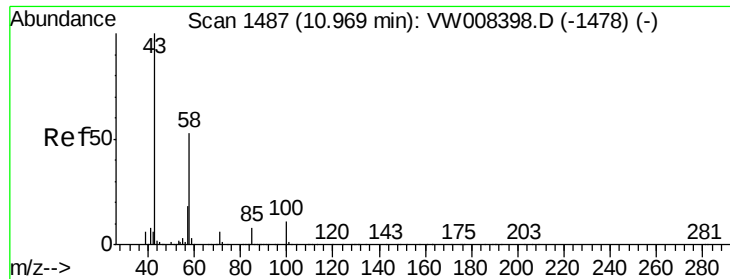
MMDadoda
 2/12/2019 1:43:00 PM



#58
 2-Chloroethyl Vinyl ether
 Concen: 133.506 ug/l
 RT: 9.92 min Scan# 1315
 Delta R.T. -0.01 min
 Lab File: VW008596.D
 Acq: 11 Feb 2019 14:41

Tgt Ion	Ratio	Lower	Upper
63	100		
106	28.3	22.4	33.6





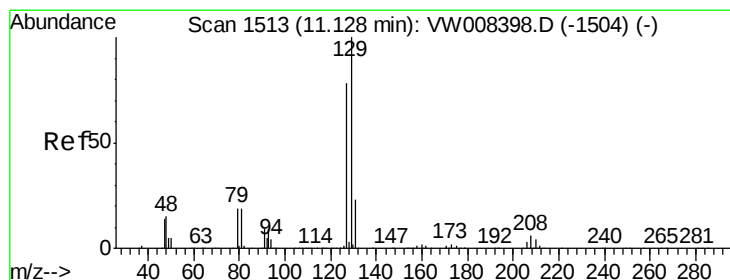
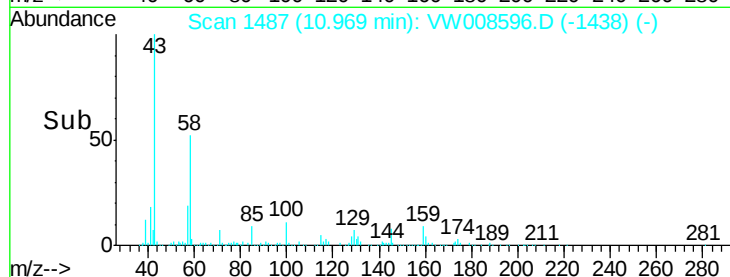
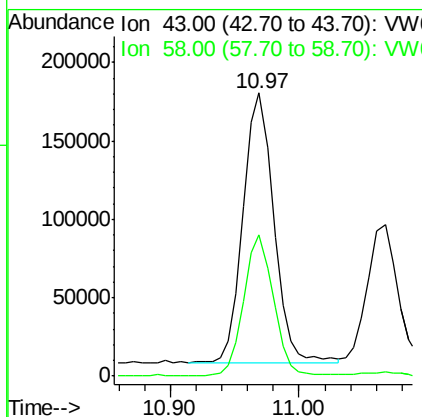
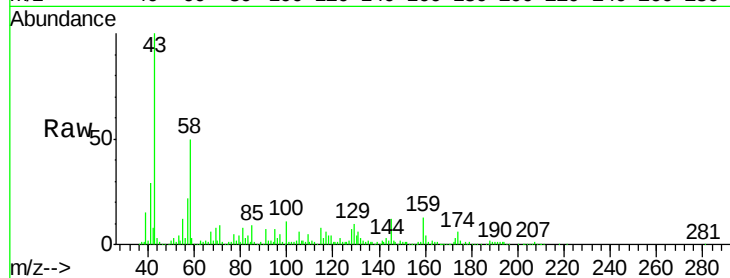
#59
2-Hexanone
Concen: 147.721 ug/l
RT: 10.97 min Scan# 1487
Delta R.T. 0.00 min
Lab File: VW008596.D
Acq: 11 Feb 2019 14:41

Instrument :
MSVOA_W
ClientSampleId :
VW0211SBS01

Tot Ion: 43 Resp: 285105
Ion Ratio Lower Upper
43 100
58 50.0 25.9 77.7

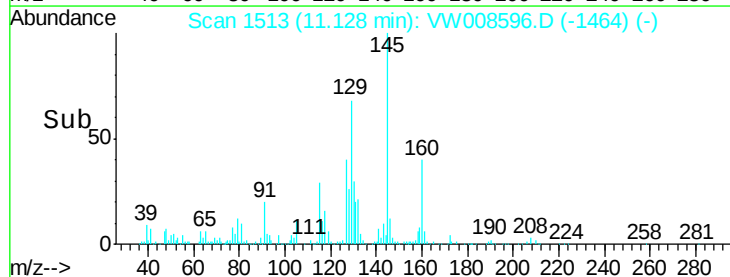
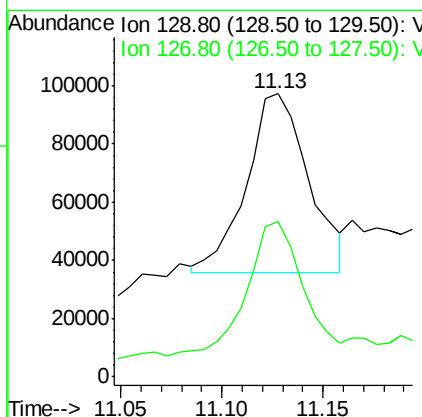
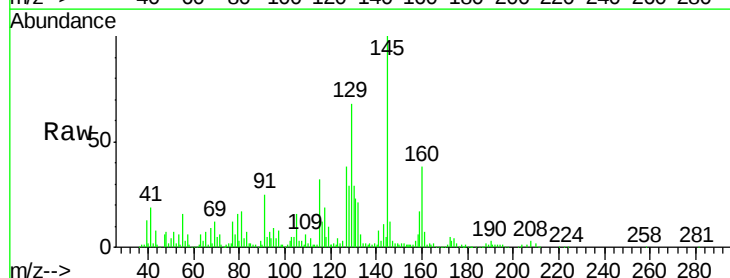
Manual Integrations
APPROVED

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#60
Dibromochloromethane
Concen: 34.646 ug/l m
RT: 11.13 min Scan# 1513
Delta R.T. 0.00 min
Lab File: VW008596.D
Acq: 11 Feb 2019 14:41

Tgt Ion: 129 Resp: 132312
Ion Ratio Lower Upper
129 100
127 71.6 39.1 117.2





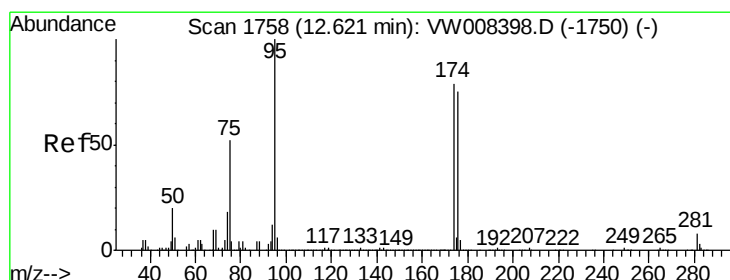
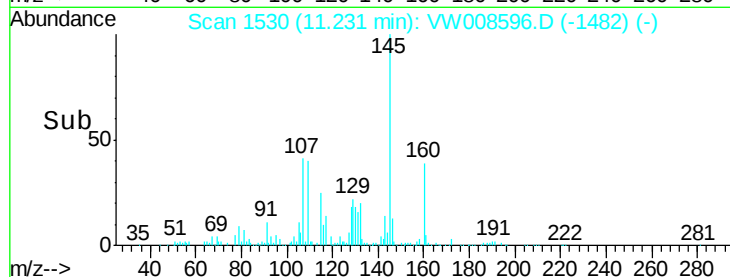
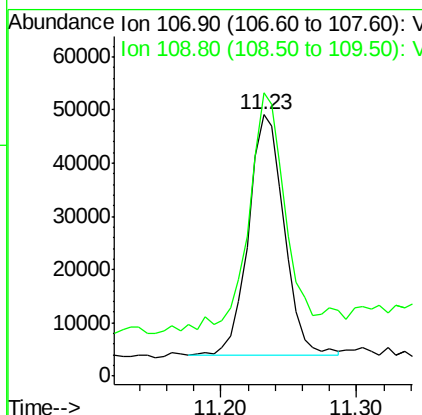
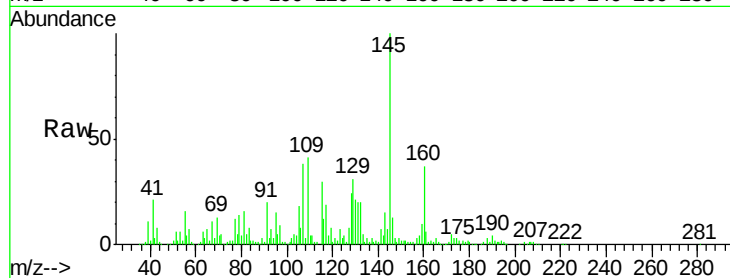
#61
 1,2-Dibromoethane
 Concen: 28.046 ug/l
 RT: 11.23 min Scan# 1530
 Delta R.T. -0.01 min
 Lab File: VW008596.D
 Acq: 11 Feb 2019 14:41

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0211SBS01

Tot Ion	Ratio	Lower	Upper
107	100		
109	101.9	75.0	112.4

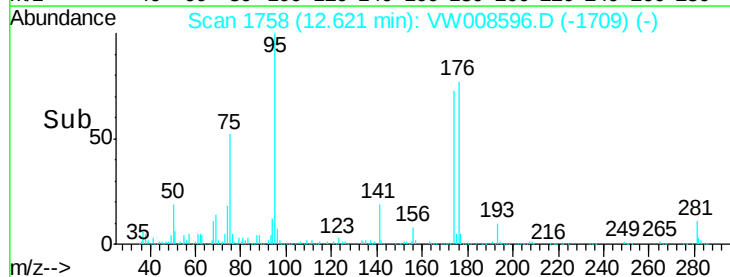
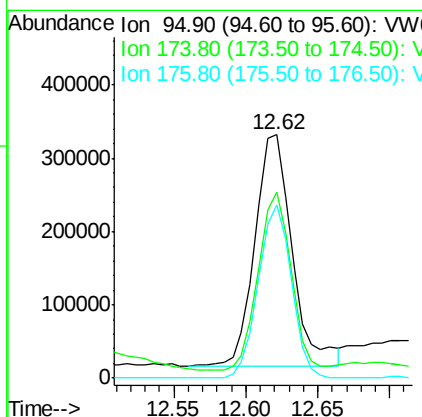
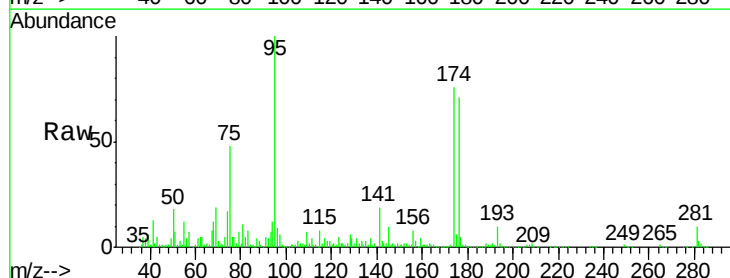
Manual Integrations
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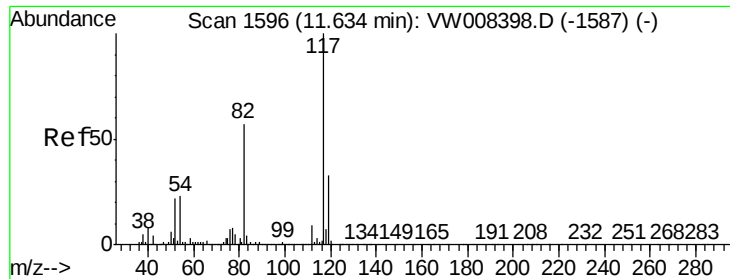
MMDadoda
 2/12/2019 1:43:00 PM



#62
 4-Bromofluorobenzene
 Concen: 98.510 ug/l
 RT: 12.62 min Scan# 1758
 Delta R.T. 0.00 min
 Lab File: VW008596.D
 Acq: 11 Feb 2019 14:41

Tgt Ion	Ratio	Lower	Upper
95	100		
174	67.8	0.0	157.6
176	66.1	0.0	151.8





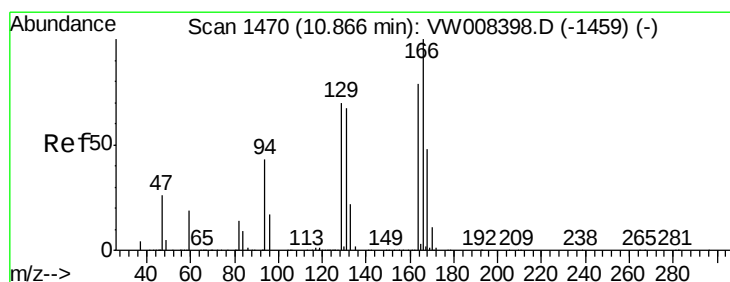
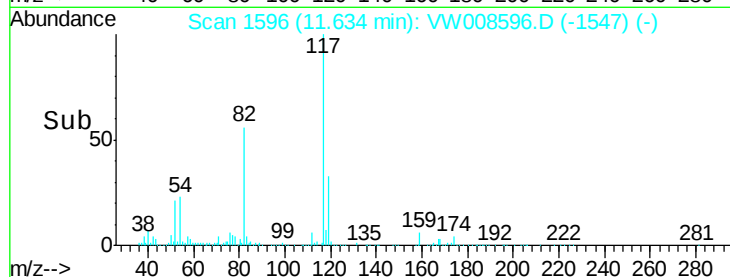
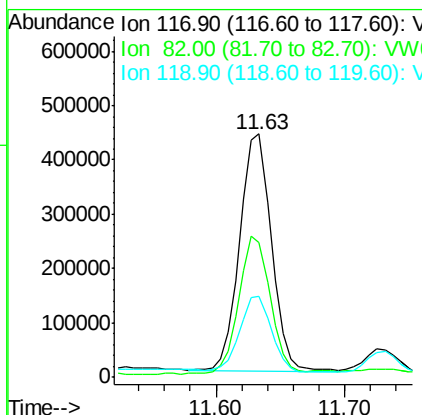
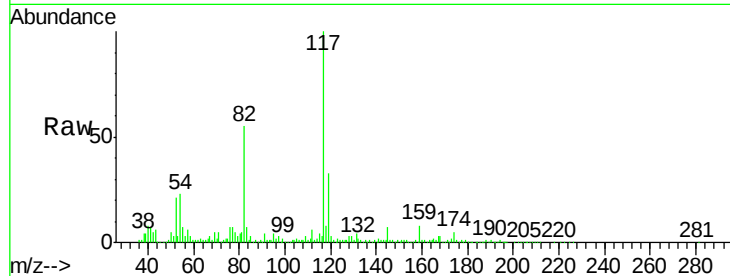
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1596
Delta R.T. 0.00 min
Lab File: VW008596.D
Acq: 11 Feb 2019 14:41

Instrument :
MSVOA_W
ClientSampleId :
VW0211SBS01

Tot Ion	Ratio	Lower	Upper
117	100		
82	55.1	45.4	68.0
119	32.1	26.2	39.4

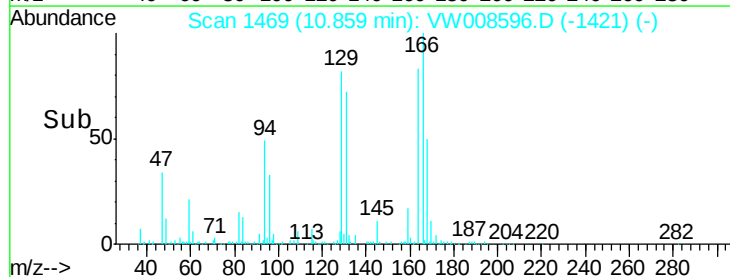
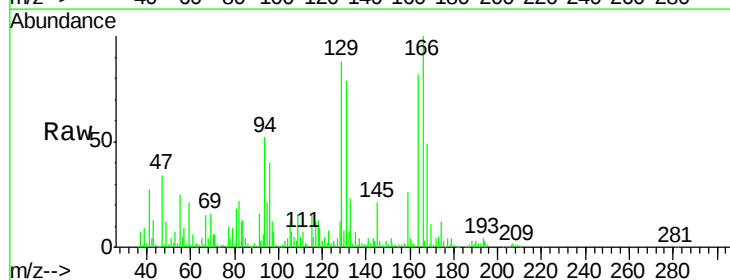
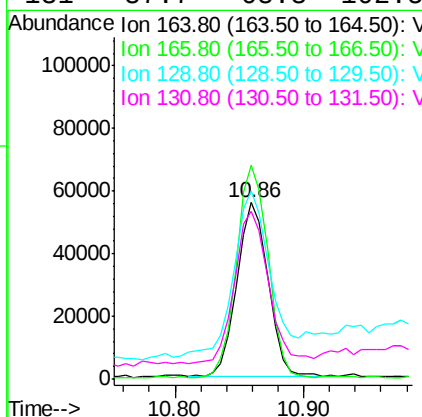
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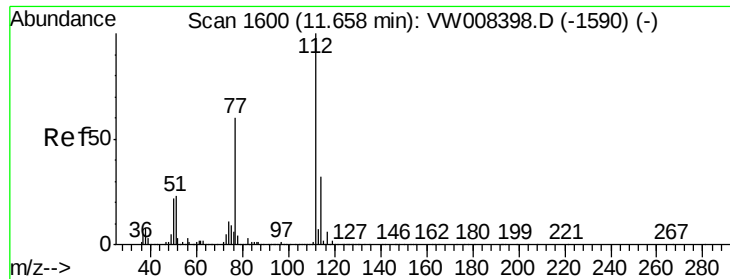
MMDadoda
2/12/2019 1:43:00 PM



#64
Tetrachloroethene
Concen: 18.568 ug/l
RT: 10.86 min Scan# 1469
Delta R.T. -0.01 min
Lab File: VW008596.D
Acq: 11 Feb 2019 14:41

Tgt Ion	Ratio	Lower	Upper
164	100		
166	122.1	101.4	152.0
129	93.1	71.0	106.6
131	87.7	68.3	102.5





#65

Chlorobenzene

Concen: 21.017 ug/l

RT: 11.66 min Scan# 1600

Delta R.T. 0.00 min

Lab File: VW008596.D

Acq: 11 Feb 2019 14:41

Instrument :

MSVOA_W

ClientSampleId :

VW0211SBS01

Tot Ion:112 Resp: 318907

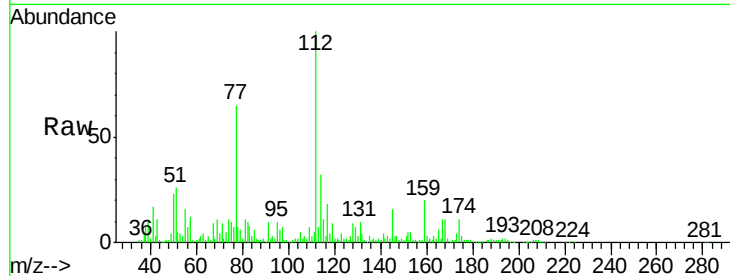
Ion Ratio Lower Upper

112 100

114 32.2 25.4 38.2

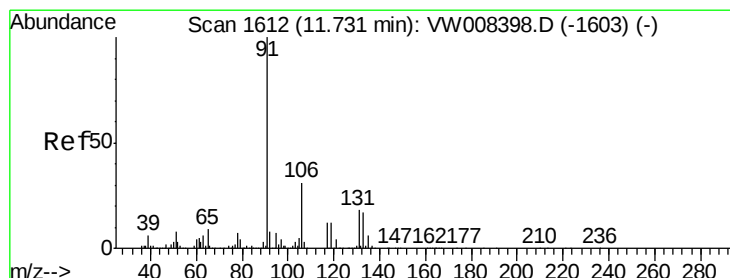
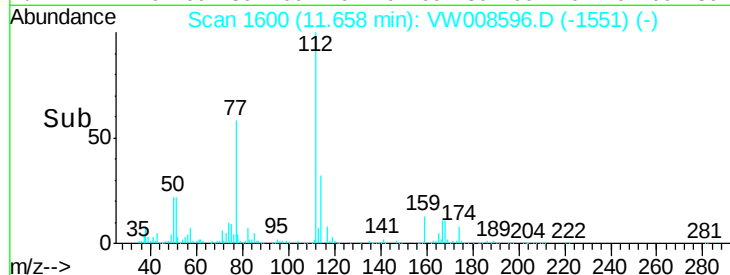
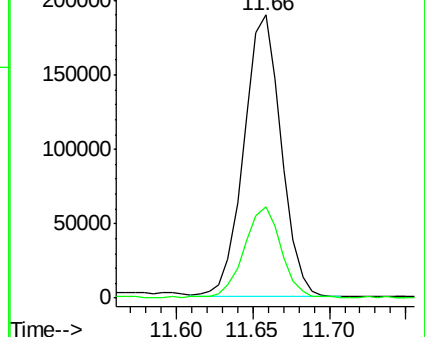
Manual Integrations
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Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V



#66

1,1,1,2-Tetrachloroethane

Concen: 22.099 ug/l

RT: 11.73 min Scan# 1612

Delta R.T. 0.00 min

Lab File: VW008596.D

Acq: 11 Feb 2019 14:41

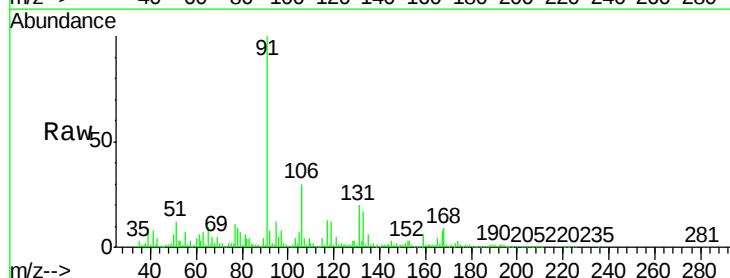
Tgt Ion:131 Resp: 119973

Ion Ratio Lower Upper

131 100

133 90.6 47.0 141.2

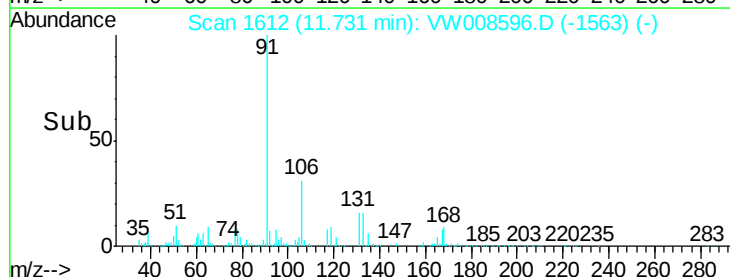
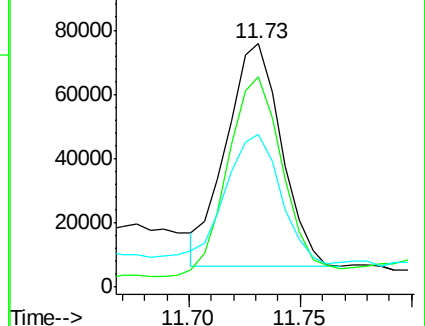
119 57.4 32.1 96.3

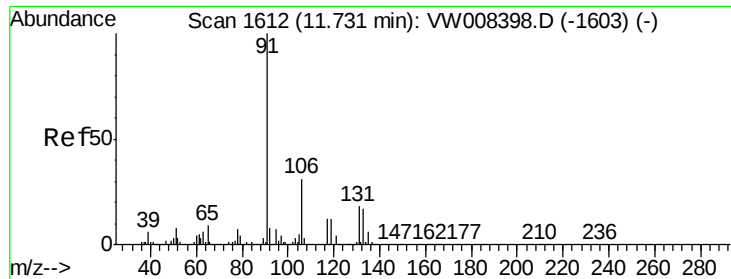


Abundance Ion 130.80 (130.50 to 131.50): V

Ion 132.80 (132.50 to 133.50): V

Ion 118.80 (118.50 to 119.50): V





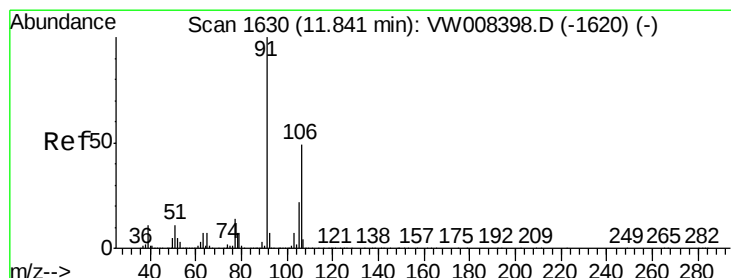
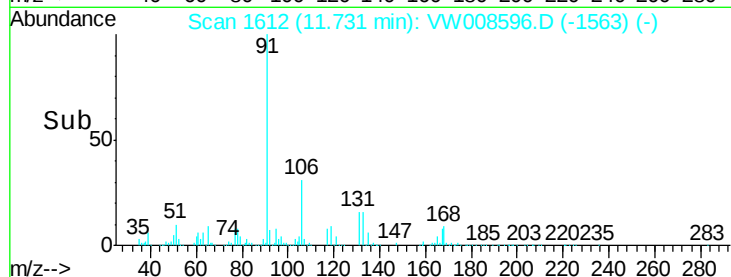
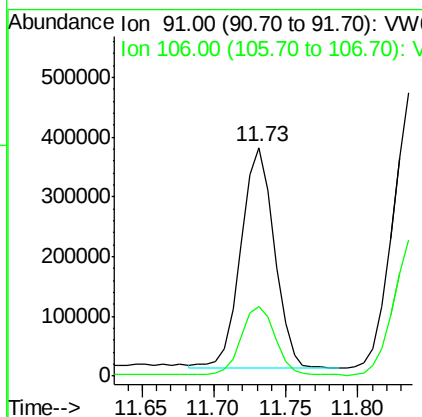
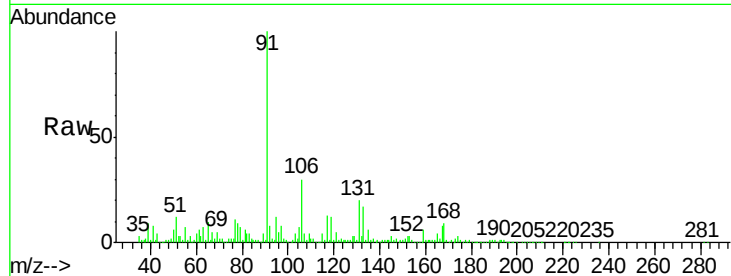
#67
Ethyl Benzene
Concen: 21.475 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. 0.00 min
Lab File: VW008596.D
Acq: 11 Feb 2019 14:41

Instrument :
MSVOA_W
ClientSampleId :
VW0211SBS01

Tot Ion: 91 Resp: 598985
Ion Ratio Lower Upper
91 100
106 30.8 24.7 37.1

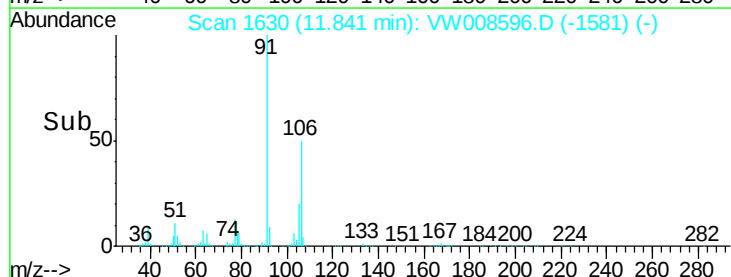
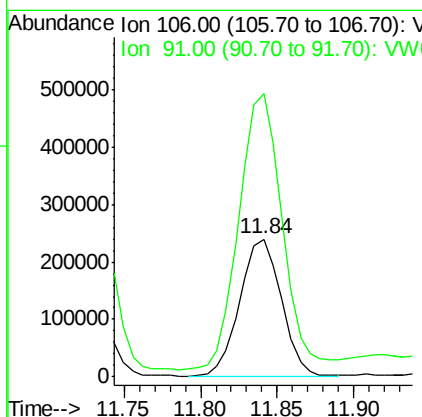
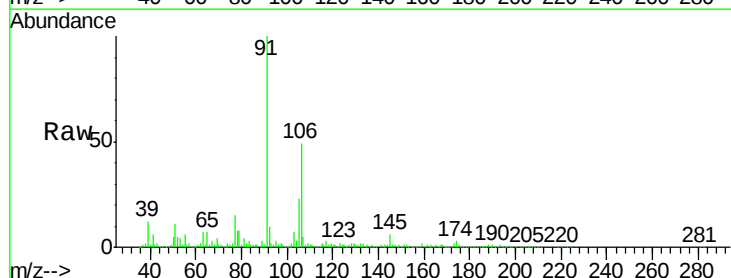
Manual Integrations
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2/12/2019 1:43:00 PM



#68
m/p-Xylenes
Concen: 41.373 ug/l
RT: 11.84 min Scan# 1630
Delta R.T. 0.00 min
Lab File: VW008596.D
Acq: 11 Feb 2019 14:41

Tgt Ion: 106 Resp: 447740
Ion Ratio Lower Upper
106 100
91 210.2 162.9 244.3





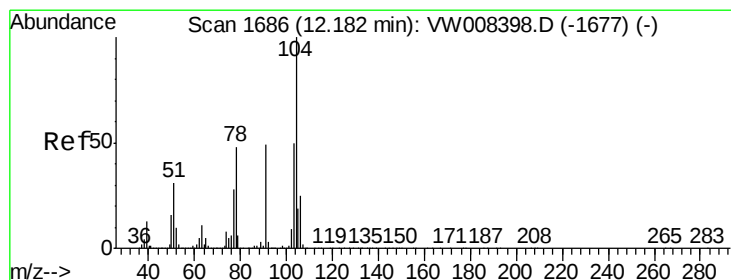
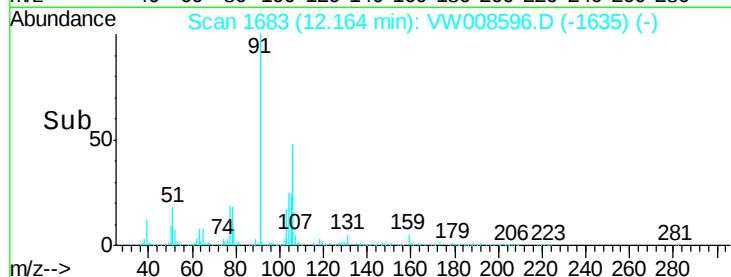
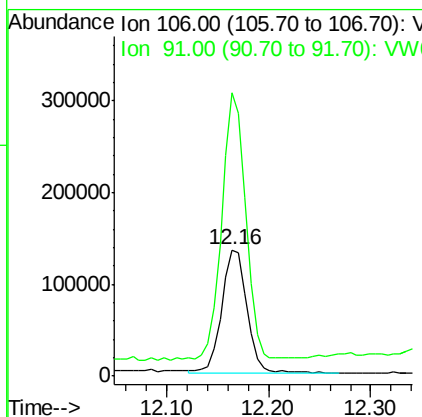
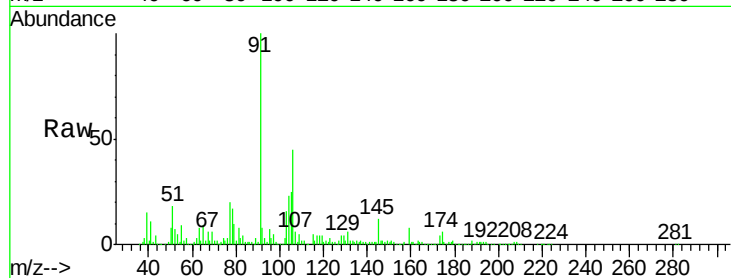
#69
o-Xylene
Concen: 22.876 ug/l
RT: 12.16 min Scan# 1683
Delta R.T. -0.01 min
Lab File: VW008596.D
Acq: 11 Feb 2019 14:41

Instrument :
MSVOA_W
ClientSampleId :
VW0211SBS01

Tot Ion	Ratio	Lower	Upper
106	100		
91	205.0	107.5	322.4

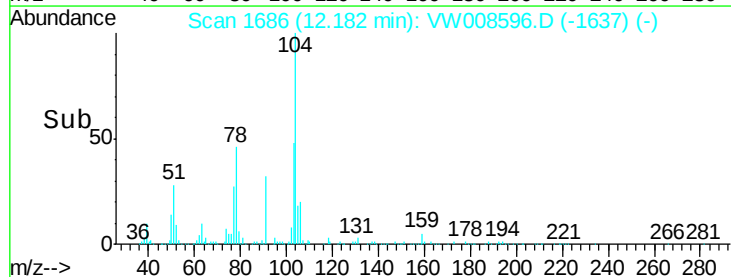
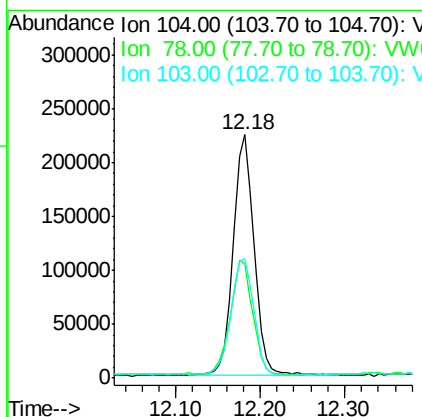
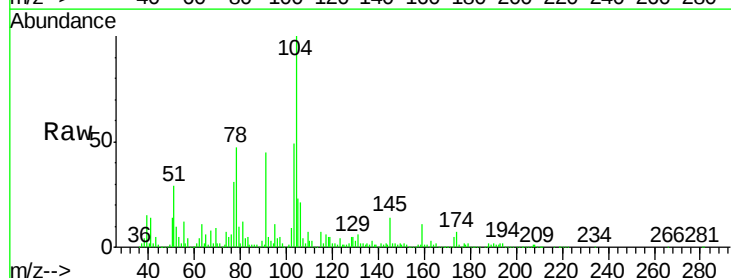
Manual Integrations
APPROVED

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2/12/2019 1:43:00 PM



#70
Styrene
Concen: 22.065 ug/l
RT: 12.18 min Scan# 1686
Delta R.T. 0.00 min
Lab File: VW008596.D
Acq: 11 Feb 2019 14:41

Tgt Ion	Ratio	Lower	Upper
104	100		
78	51.4	42.4	63.6
103	53.1	43.4	65.0





#71

Bromoform

Concen: 29.646 ug/l

RT: 12.35 min Scan# 1713

Delta R.T. -0.01 min

Lab File: VW008596.D

Acq: 11 Feb 2019 14:41

Instrument :

MSVOA_W

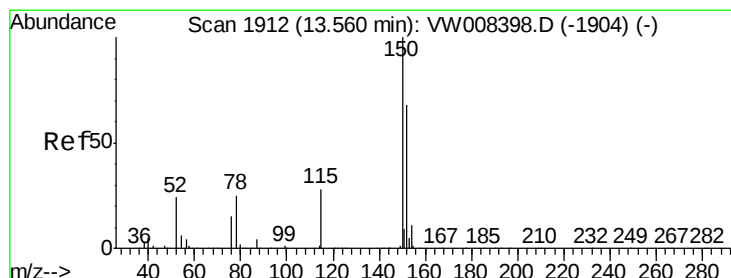
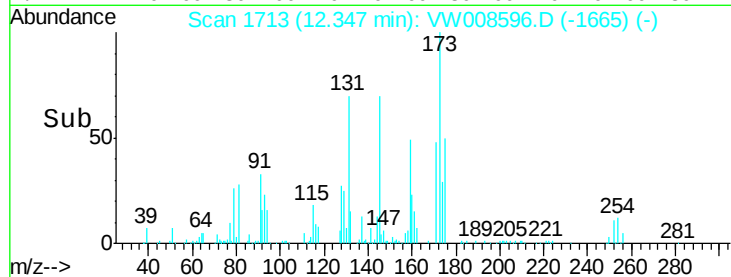
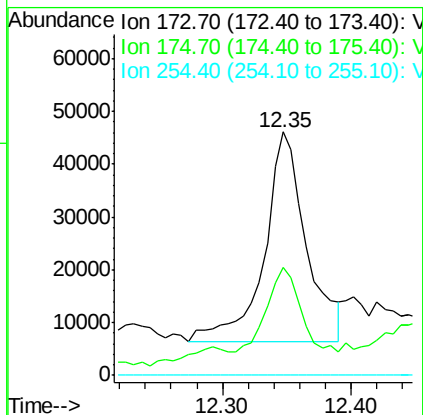
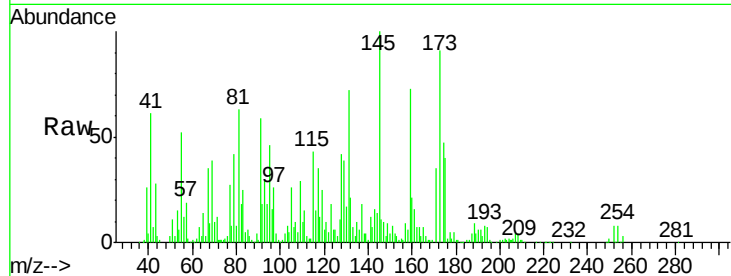
ClientSampleId :

VW0211SBS01

Tot Ion:	173	Resp:	90556
Ion Ratio	Lower	Upper	
173	100		
175	35.7	24.4	73.4
254	0.2	0.2	0.2

Manual Integrations
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#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

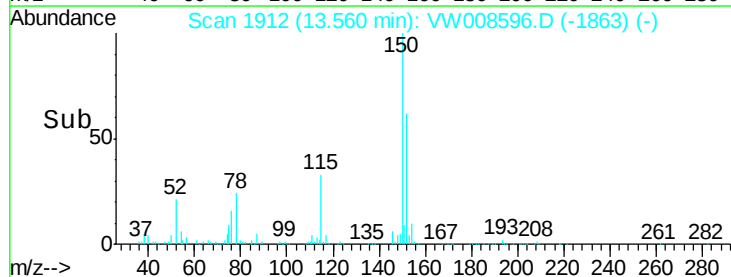
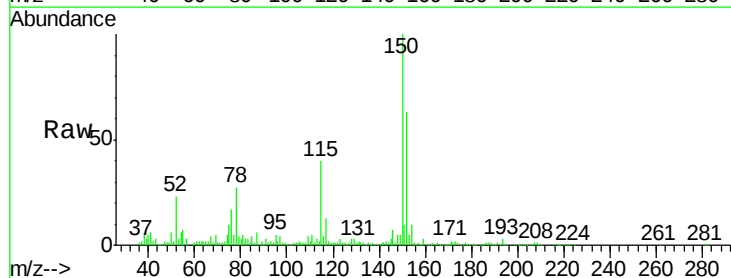
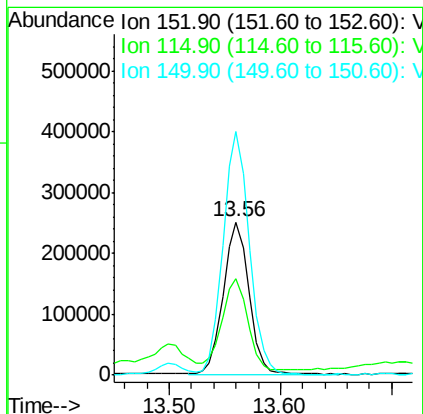
RT: 13.56 min Scan# 1912

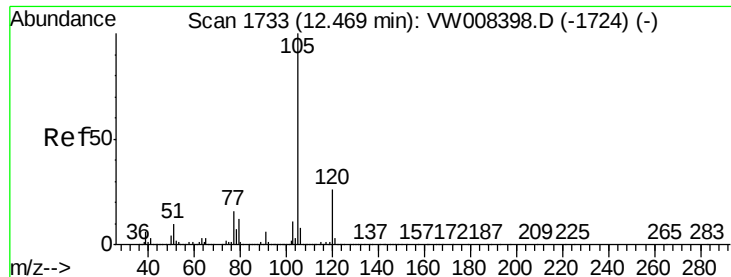
Delta R.T. 0.00 min

Lab File: VW008596.D

Acq: 11 Feb 2019 14:41

Tgt Ion:	152	Resp:	398576
Ion Ratio	Lower	Upper	
152	100		
115	59.7	29.9	89.7
150	161.8	0.0	351.4





#73

Isopropylbenzene

Concen: 26.277 ug/l

RT: 12.46 min Scan# 1732

Delta R.T. -0.01 min

Lab File: VW008596.D

Acq: 11 Feb 2019 14:41

Instrument :

MSVOA_W

ClientSampleId :

VW0211SBS01

Tot Ion:105 Resp: 780802

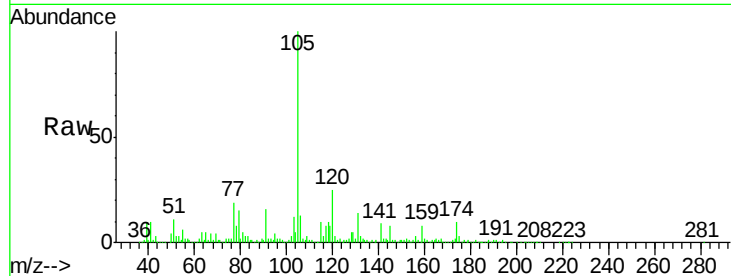
Ion Ratio Lower Upper

105 100

120 23.9 13.3 39.8

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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

500000

400000

300000

200000

100000

0

12.40

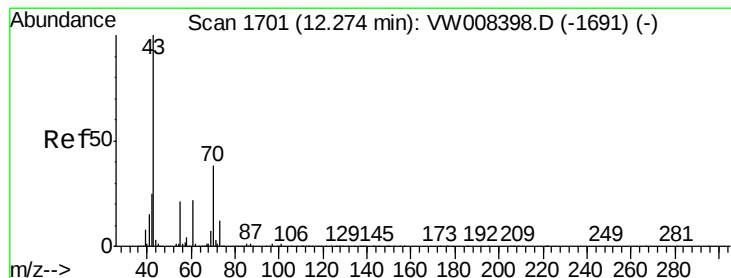
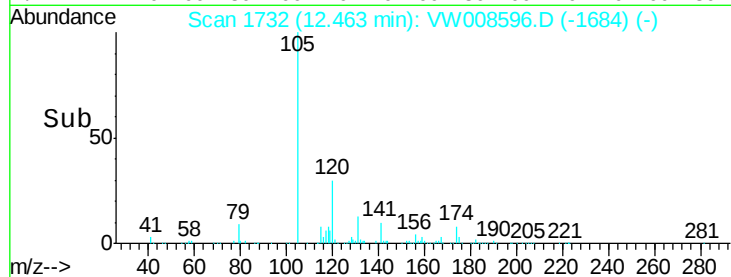
12.46

12.50

12.55

12.60

Time-->



#74

N-ethyl acetate

Concen: 21.510 ug/l

RT: 12.27 min Scan# 1701

Delta R.T. 0.00 min

Lab File: VW008596.D

Acq: 11 Feb 2019 14:41

Tgt Ion: 43 Resp: 164660

Ion Ratio Lower Upper

43 100

70 41.9 31.0 46.6

55 24.9 17.4 26.2

61 22.7 18.2 27.4

Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 70.00 (69.70 to 70.70): VW

Ion 55.00 (54.70 to 55.70): VW

Ion 61.00 (60.70 to 61.70): VW

150000

100000

50000

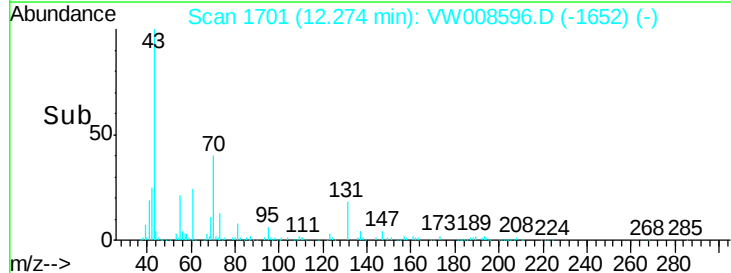
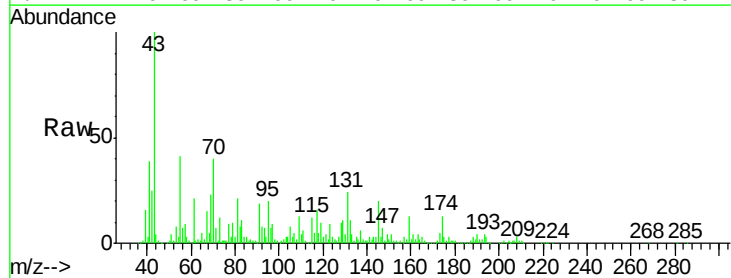
0

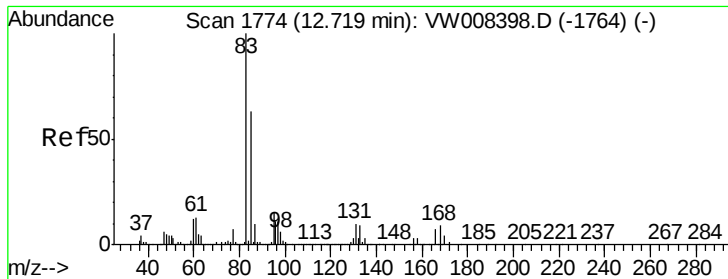
12.20

12.25

12.30

Time-->





#75

1,1,2,2-Tetrachloroethane

Concen: 36.115 ug/l m

RT: 12.71 min Scan# 1773

Delta R.T. -0.01 min

Lab File: VW008596.D

Acq: 11 Feb 2019 14:41

Instrument :

MSVOA_W

ClientSampleId :

VW0211SBS01

Tot Ion: 83 Resp: 169898

Ion Ratio Lower Upper

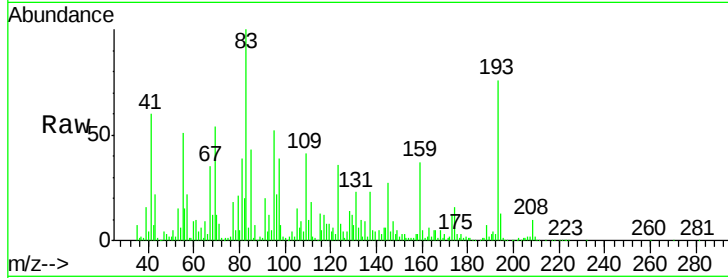
83 100

131 0.0 5.5 16.4#

85 40.1 31.9 95.5

Manual Integrations
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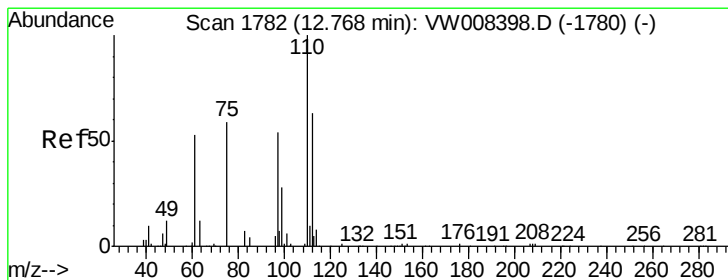
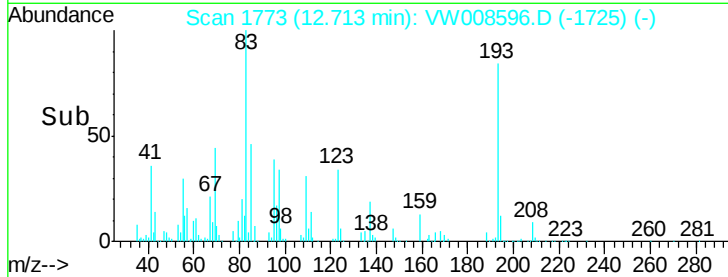
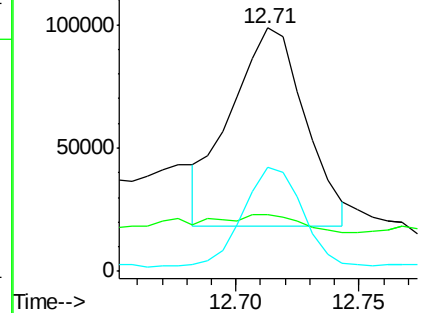
MMDadoda
2/12/2019 1:43:00 PM



Abundance Ion 82.90 (82.60 to 83.60): VW

Ion 130.80 (130.50 to 131.50): VW

Ion 84.90 (84.60 to 85.60): VW



#76

1,2,3-Trichloropropane

Concen: 21.543 ug/l m

RT: 12.77 min Scan# 1782

Delta R.T. 0.00 min

Lab File: VW008596.D

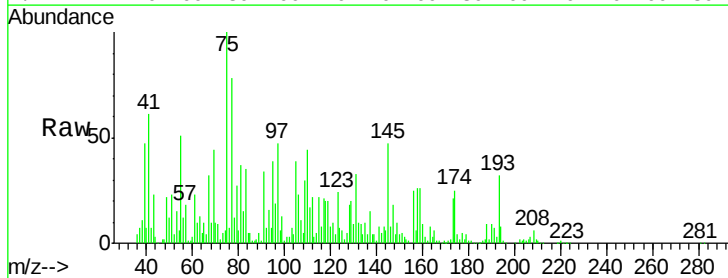
Acq: 11 Feb 2019 14:41

Tgt Ion: 75 Resp: 74653

Ion Ratio Lower Upper

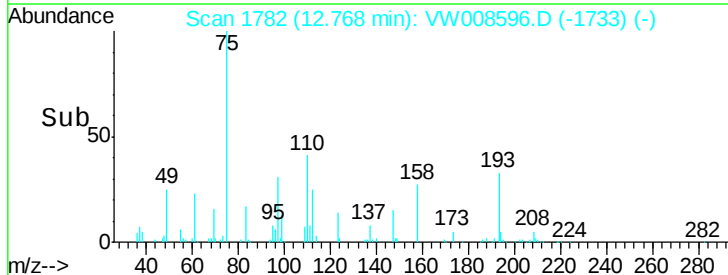
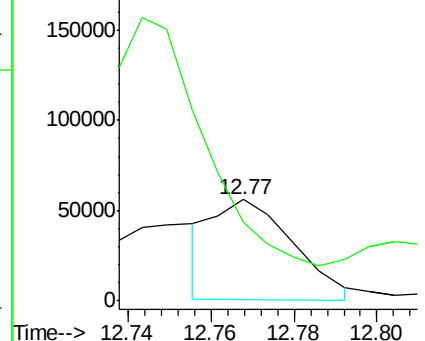
75 100

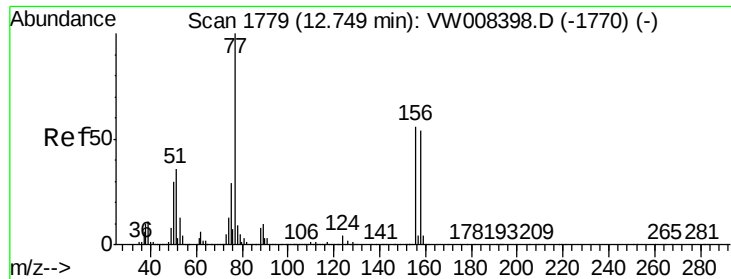
77 0.0 180.7 542.1#



Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 77.00 (76.70 to 77.70): VW





#77

Bromobenzene

Concen: 19.852 ug/l

RT: 12.75 min Scan# 1779

Delta R.T. 0.00 min

Lab File: VW008596.D

Acq: 11 Feb 2019 14:41

Instrument :

MSVOA_W

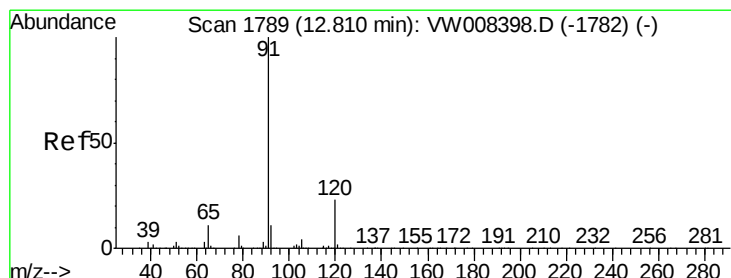
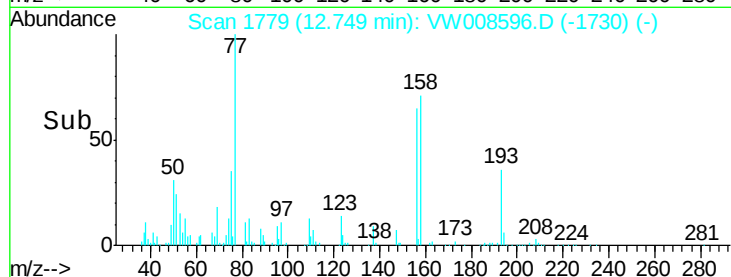
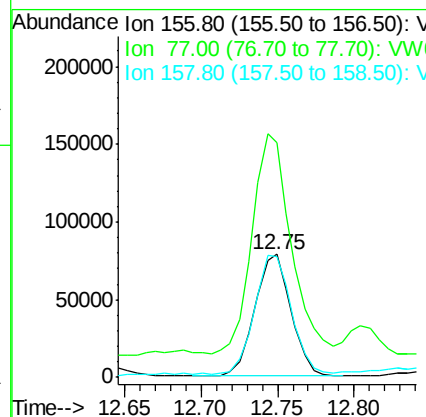
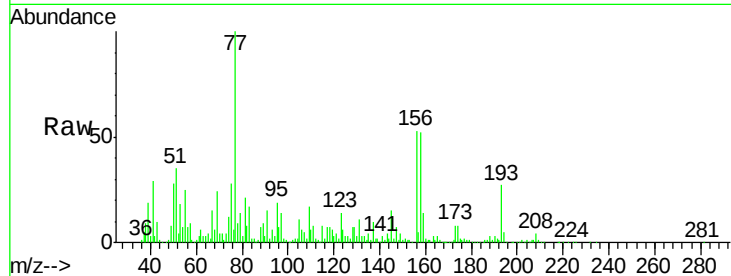
ClientSampleId :

VW0211SBS01

Tot Ion:	156	Resp:	128831
Ion Ratio	Lower	Upper	
156	100		
77	195.5	96.9	290.7
158	99.8	48.8	146.4

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2/12/2019 1:43:00 PM



#78

n-propylbenzene

Concen: 21.222 ug/l

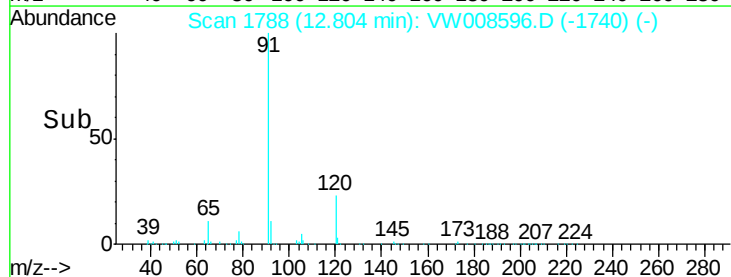
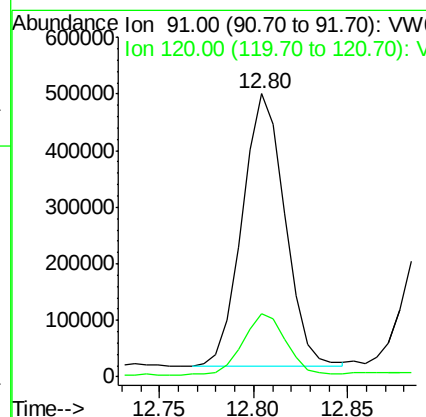
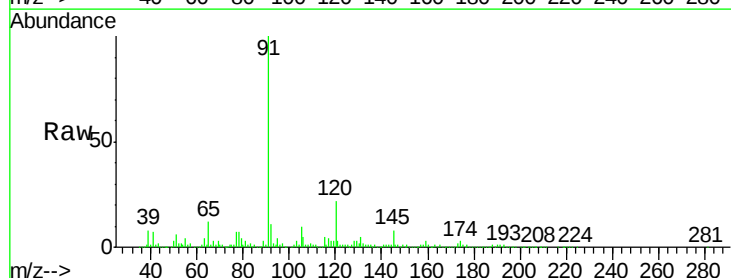
RT: 12.80 min Scan# 1788

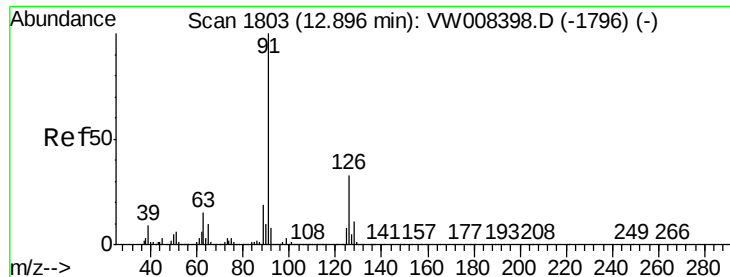
Delta R.T. -0.01 min

Lab File: VW008596.D

Acq: 11 Feb 2019 14:41

Tgt Ion:	91	Resp:	757384
Ion Ratio	Lower	Upper	
91	100		
120	22.4	11.4	34.1





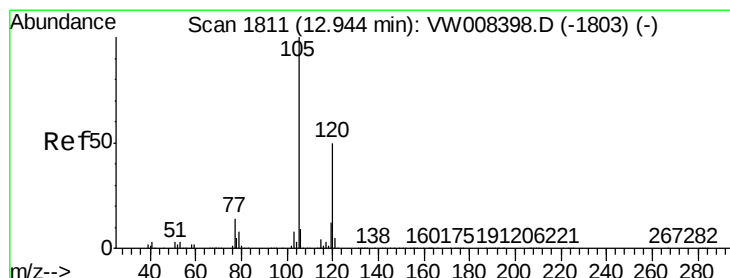
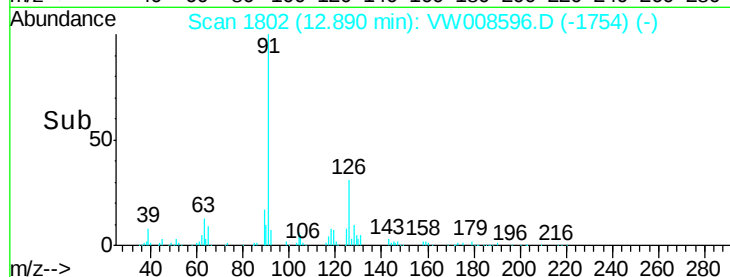
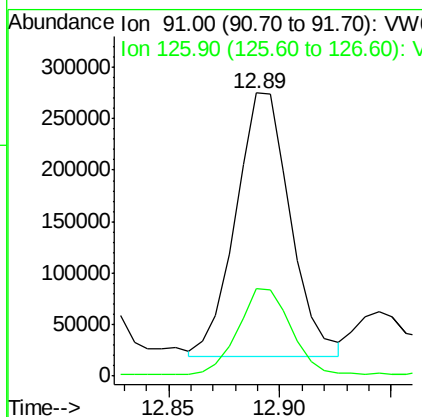
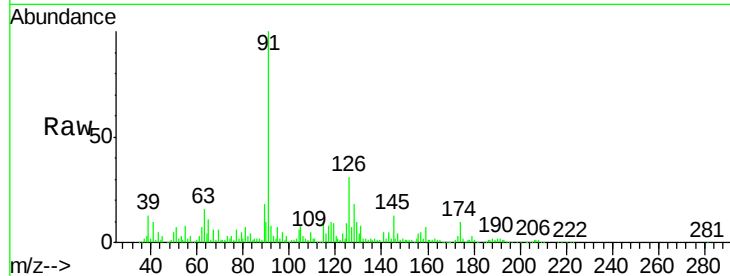
#79
2-Chlorotoluene
Concen: 21.722 ug/l
RT: 12.89 min Scan# 1802
Delta R.T. -0.01 min
Lab File: VW008596.D
Acq: 11 Feb 2019 14:41

Instrument :
MSVOA_W
ClientSampleId :
VW0211SBS01

Tot Ion: 91 Resp: 437472
Ion Ratio Lower Upper
91 100
126 31.7 16.5 49.5

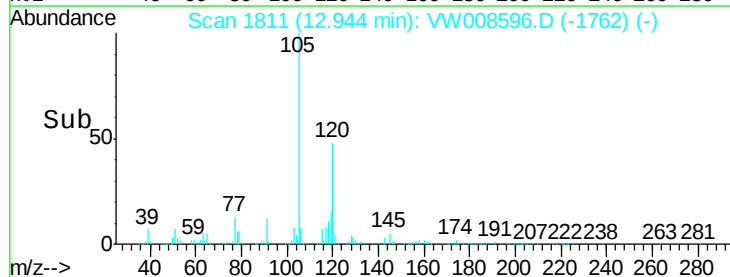
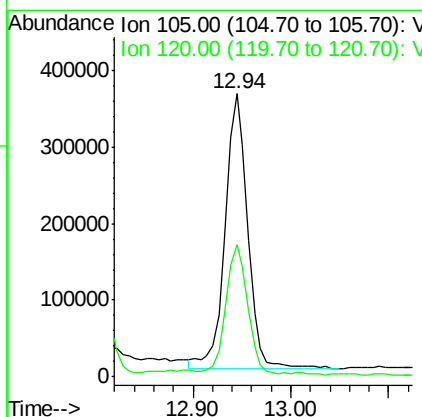
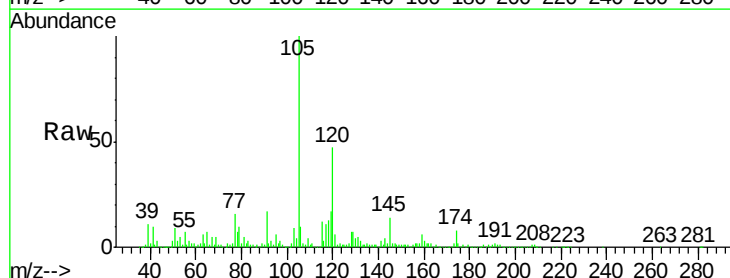
Manual Integrations
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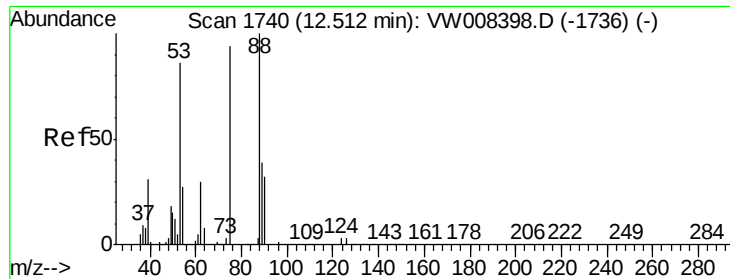
MMDadoda
2/12/2019 1:43:00 PM



#80
1,3,5-Trimethylbenzene
Concen: 23.200 ug/l
RT: 12.94 min Scan# 1811
Delta R.T. 0.00 min
Lab File: VW008596.D
Acq: 11 Feb 2019 14:41

Tgt Ion: 105 Resp: 576195
Ion Ratio Lower Upper
105 100
120 44.8 24.6 73.8





#81

trans-1,4-Dichloro-2-butene

Concen: 21.452 ug/l

RT: 12.51 min Scan# 1740

Delta R.T. 0.00 min

Lab File: VW008596.D

Acq: 11 Feb 2019 14:41

Instrument :

MSVOA_W

ClientSampleId :

VW0211SBS01

Tot Ion: 75 Resp: 37638

Ion Ratio Lower Upper

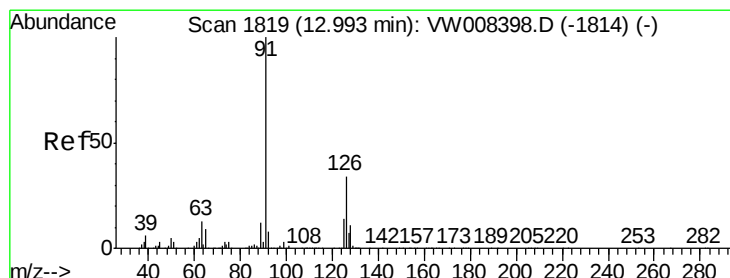
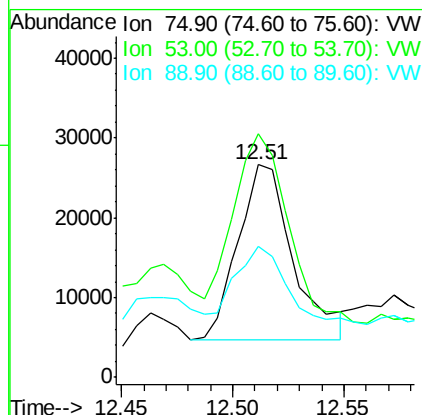
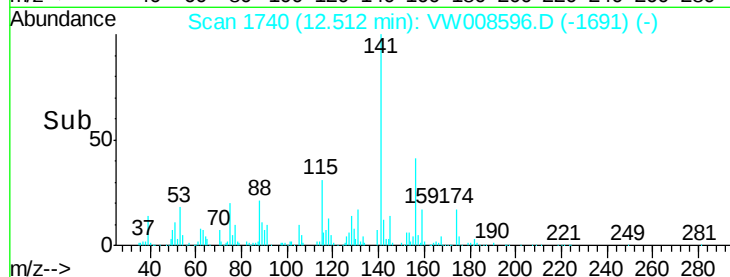
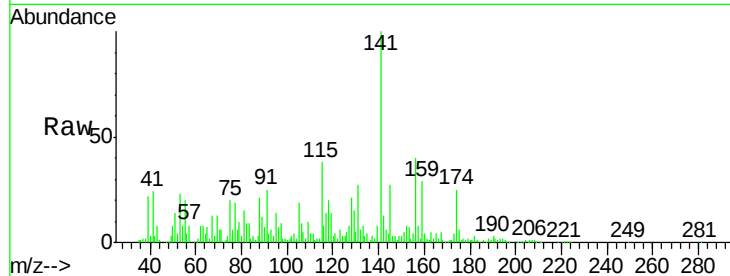
75 100

53 108.9 76.0 114.0

89 53.6 35.4 53.0#

Manual Integrations
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#82

4-Chlorotoluene

Concen: 21.001 ug/l

RT: 12.99 min Scan# 1819

Delta R.T. 0.00 min

Lab File: VW008596.D

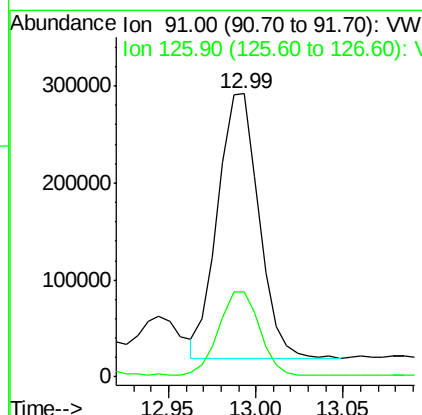
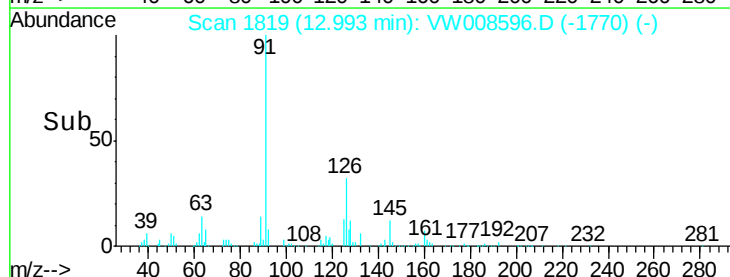
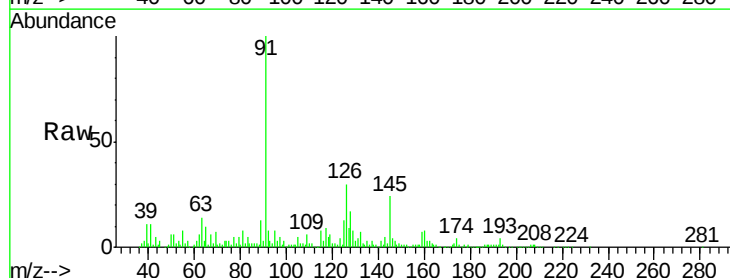
Acq: 11 Feb 2019 14:41

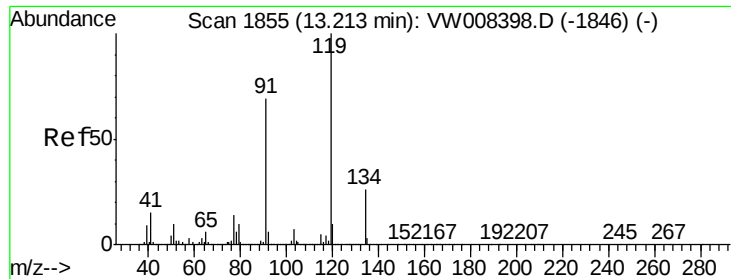
Tgt Ion: 91 Resp: 450297

Ion Ratio Lower Upper

91 100

126 31.2 16.4 49.2





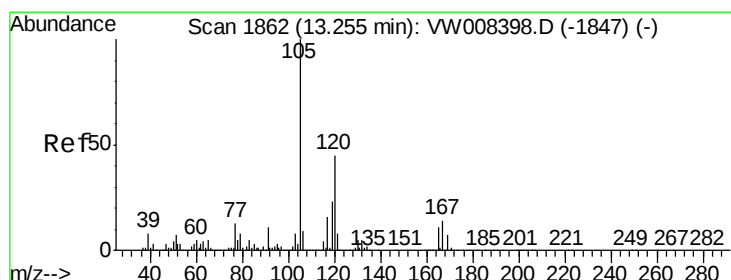
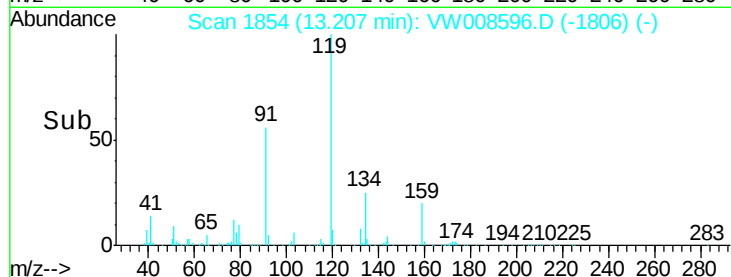
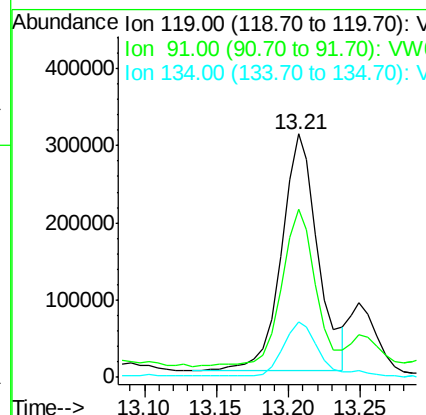
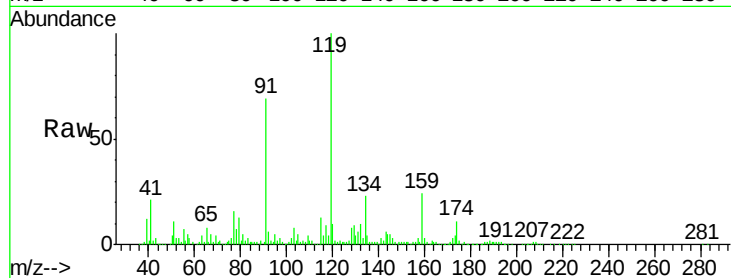
#83
tert-Butylbenzene
Concen: 24.646 ug/l
RT: 13.21 min Scan# 1854
Delta R.T. -0.01 min
Lab File: VW008596.D
Acq: 11 Feb 2019 14:41

Instrument :
MSVOA_W
ClientSampleId :
VW0211SBS01

Tot Ion	Ratio	Lower	Upper
119	100		
91	62.4	33.8	101.4
134	23.1	13.5	40.4

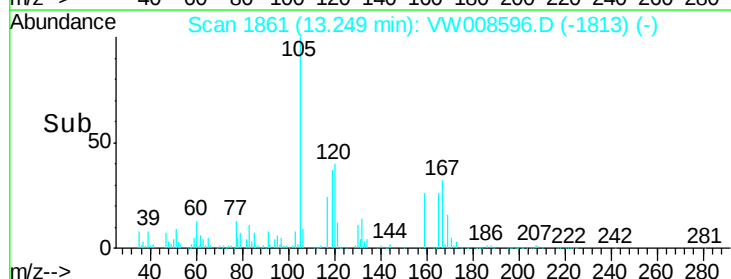
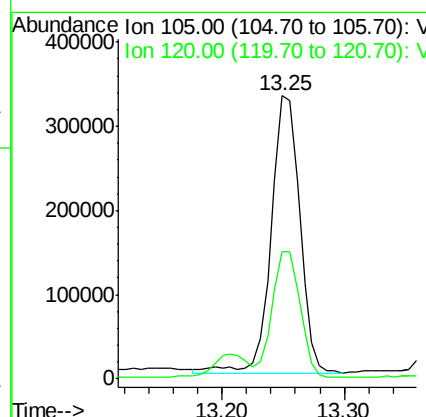
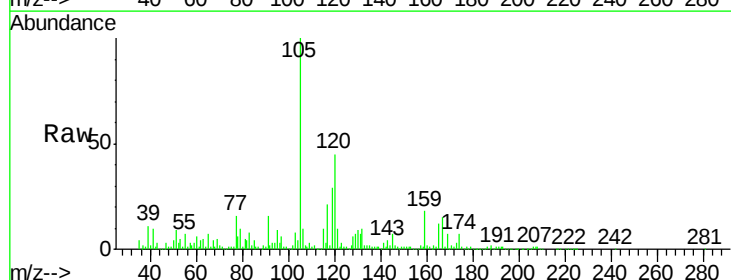
Manual Integrations
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2/12/2019 1:43:00 PM



#84
1,2,4-Trimethylbenzene
Concen: 21.230 ug/l
RT: 13.25 min Scan# 1861
Delta R.T. -0.01 min
Lab File: VW008596.D
Acq: 11 Feb 2019 14:41

Tgt Ion	Ratio	Lower	Upper
105	100		
120	44.5	23.1	69.2





#85

sec-Butylbenzene

Concen: 21.478 ug/l

RT: 13.38 min Scan# 1883

Delta R.T. -0.01 min

Lab File: VW008596.D

Acq: 11 Feb 2019 14:41

Instrument :

MSVOA_W

ClientSampleId :

VW0211SBS01

Tot Ion:105 Resp: 677928

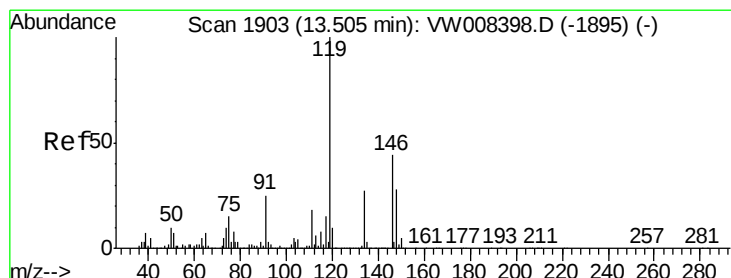
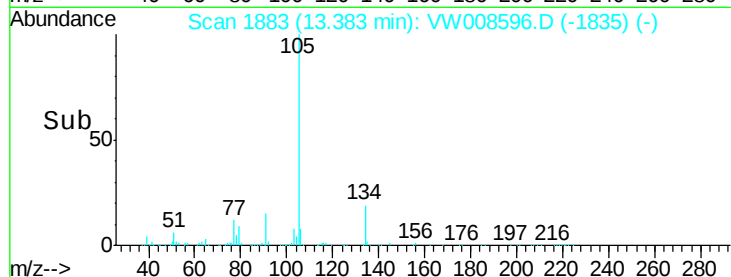
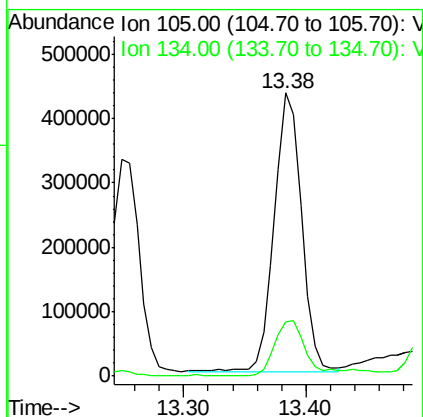
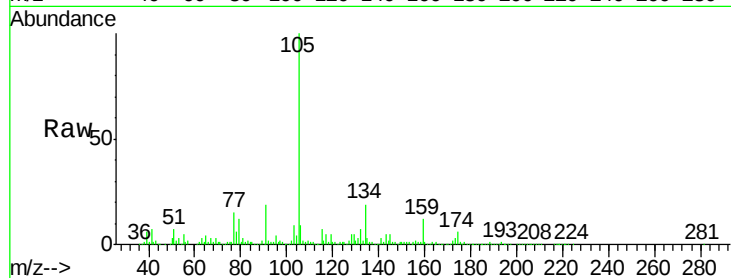
Ion Ratio Lower Upper

105 100

134 22.5 10.2 30.6

Manual Integrations
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#86

p-Isopropyltoluene

Concen: 21.503 ug/l

RT: 13.50 min Scan# 1902

Delta R.T. -0.01 min

Lab File: VW008596.D

Acq: 11 Feb 2019 14:41

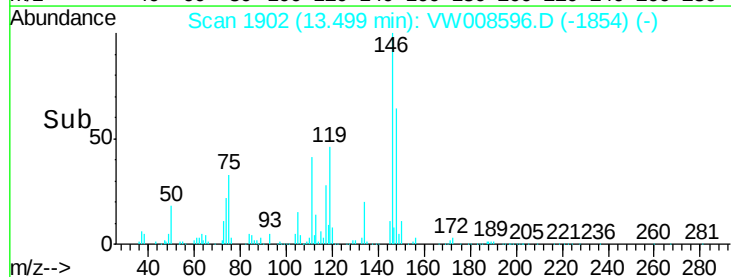
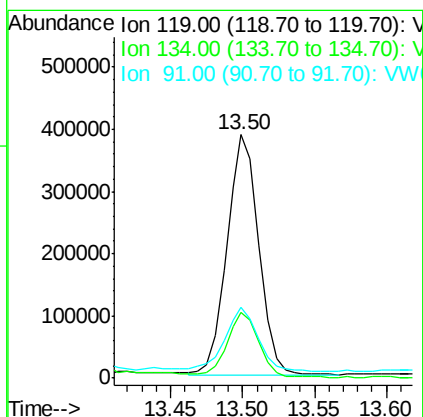
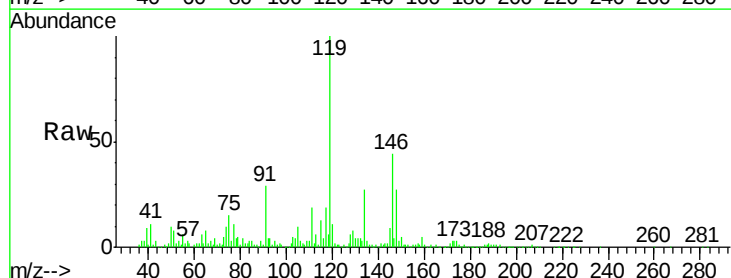
Tgt Ion:119 Resp: 594515

Ion Ratio Lower Upper

119 100

134 26.8 13.4 40.2

91 28.3 12.6 37.6





#87

1,3-Dichlorobenzene

Concen: 21.246 ug/l

RT: 13.50 min Scan# 1902

Delta R.T. -0.01 min

Lab File: VW008596.D

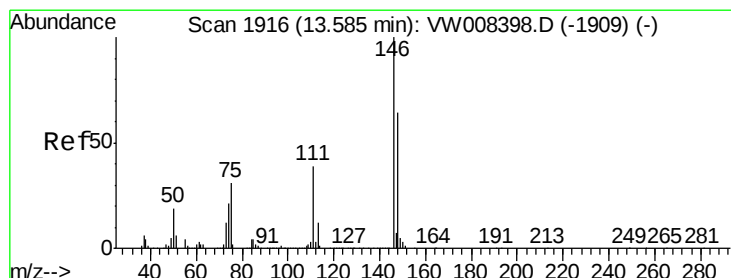
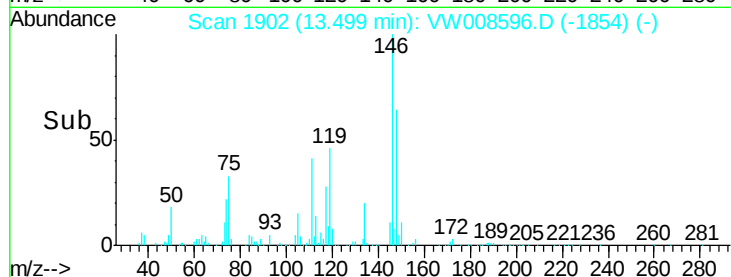
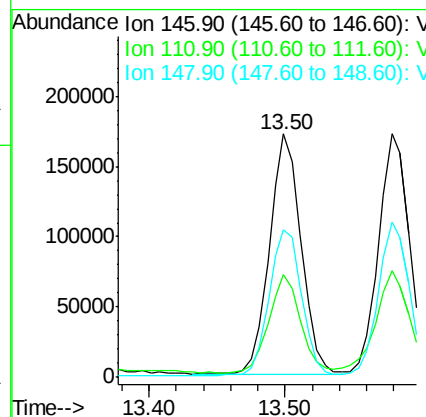
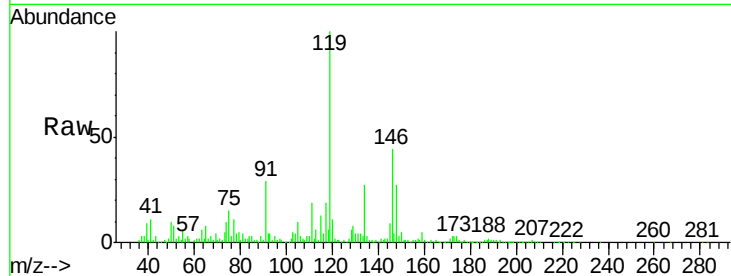
Acq: 11 Feb 2019 14:41

Instrument :
MSVOA_W
ClientSampleId :
VW0211SBS01

Tot Ion	Ratio	Resp	Lower	Upper
146	100	278441		
111	41.5	20.3	60.9	
148	62.6	31.9	95.7	

Manual Integrations
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#88

1,4-Dichlorobenzene

Concen: 20.577 ug/l

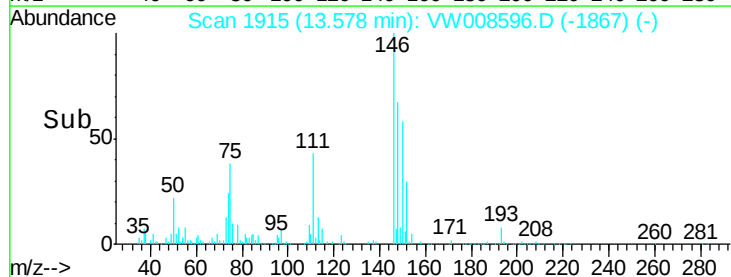
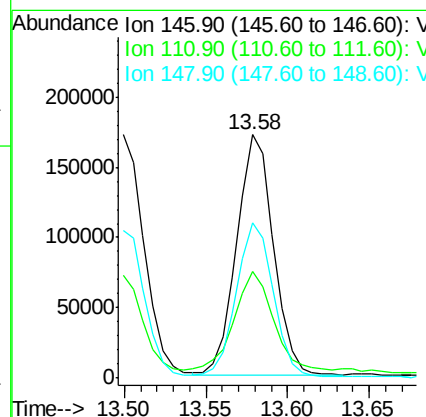
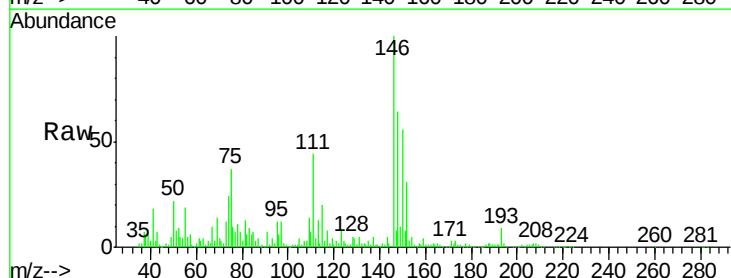
RT: 13.58 min Scan# 1915

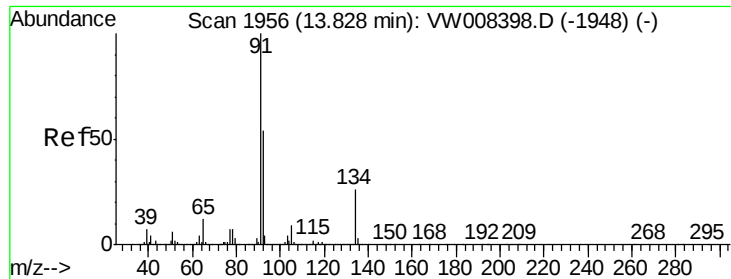
Delta R.T. -0.01 min

Lab File: VW008596.D

Acq: 11 Feb 2019 14:41

Tgt Ion	Ratio	Resp	Lower	Upper
146	100	268010		
111	49.0	20.0	60.0	
148	65.2	32.0	96.2	





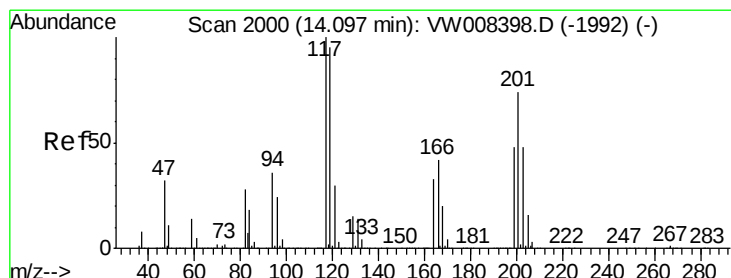
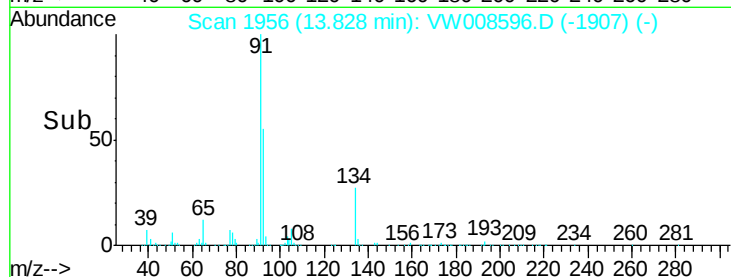
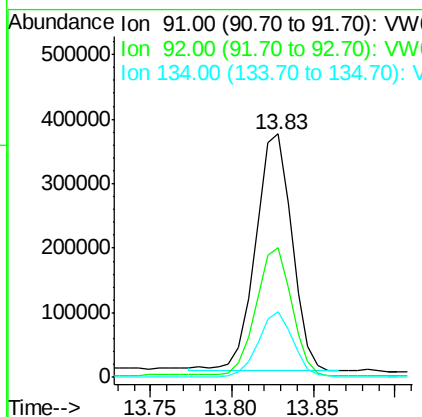
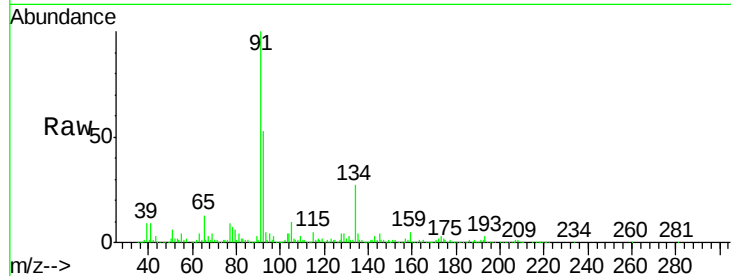
#89
n-Butylbenzene
Concen: 21.076 ug/l
RT: 13.83 min Scan# 1956
Delta R.T. 0.00 min
Lab File: VW008596.D
Acq: 11 Feb 2019 14:41

Instrument :
MSVOA_W
ClientSampleId :
VW0211SBS01

Tot Ion	Ratio	Lower	Upper
91	100		
92	52.8	27.4	82.2
134	26.0	13.0	39.0

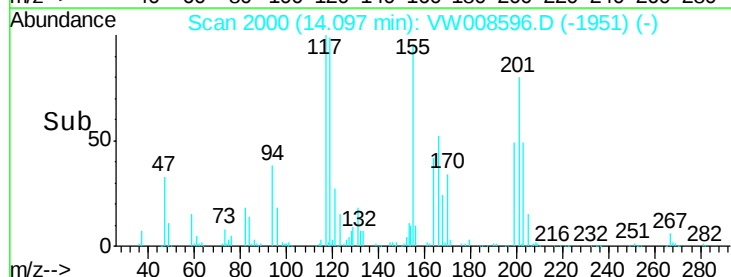
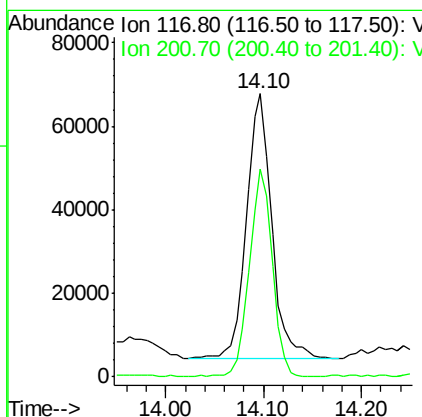
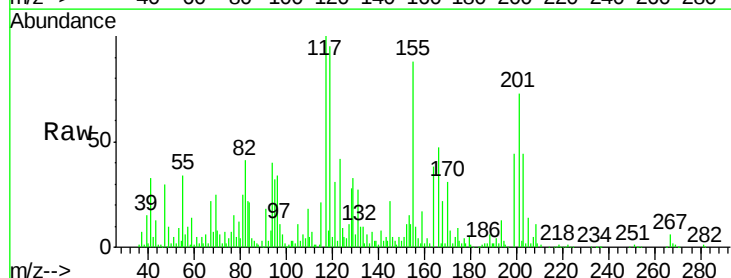
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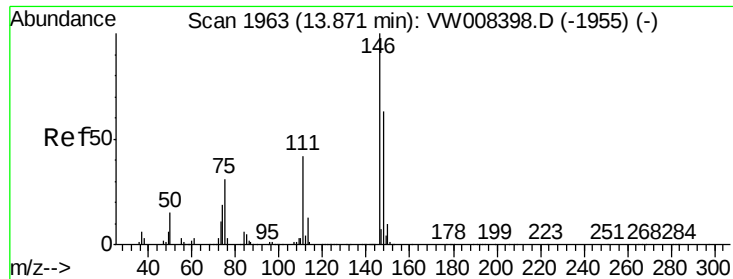
MMDadoda
2/12/2019 1:43:00 PM



#90
Hexachloroethane
Concen: 21.013 ug/l
RT: 14.10 min Scan# 2000
Delta R.T. 0.00 min
Lab File: VW008596.D
Acq: 11 Feb 2019 14:41

Tgt Ion	Ratio	Lower	Upper
117	100		
201	70.7	39.1	117.5





#91

1,2-Dichlorobenzene

Concen: 20.944 ug/l

RT: 13.87 min Scan# 1963

Delta R.T. 0.00 min

Lab File: VW008596.D

Acq: 11 Feb 2019 14:41

Instrument :

MSVOA_W

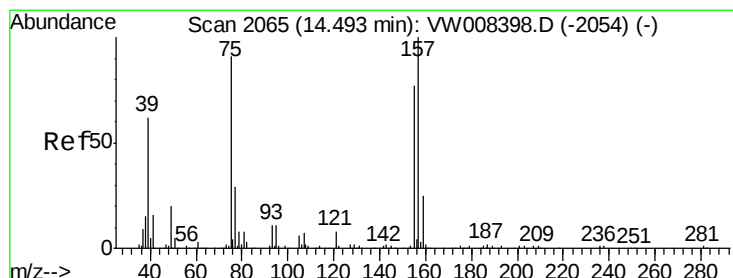
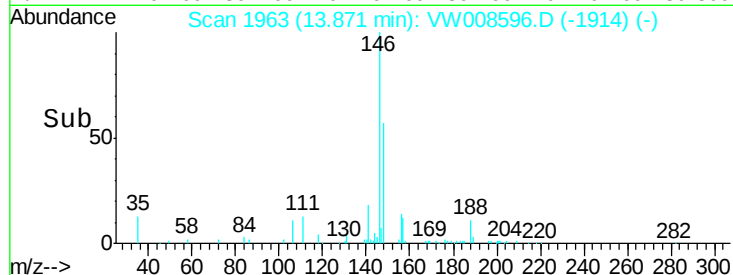
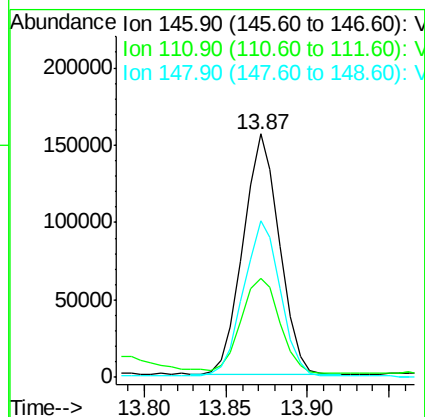
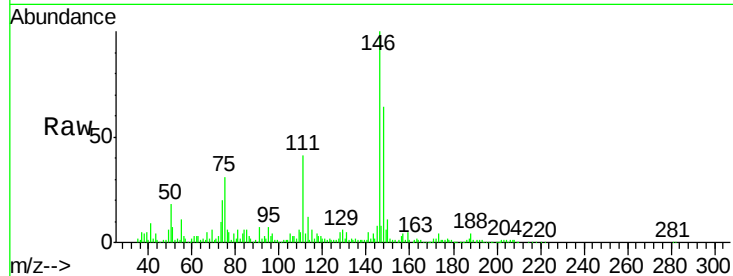
ClientSampleId :

VW0211SBS01

Tot Ion:	146	Resp:	242875
Ion Ratio	Lower	Upper	
146	100		
111	41.6	21.1	63.3
148	65.6	31.9	95.5

Manual Integrations
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2/12/2019 1:43:00 PM



#92

1,2-Dibromo-3-Chloropropane

Concen: 22.953 ug/l

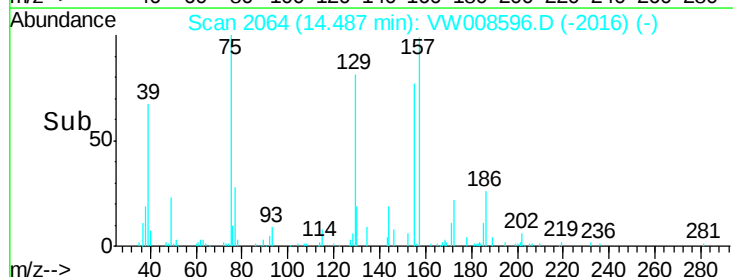
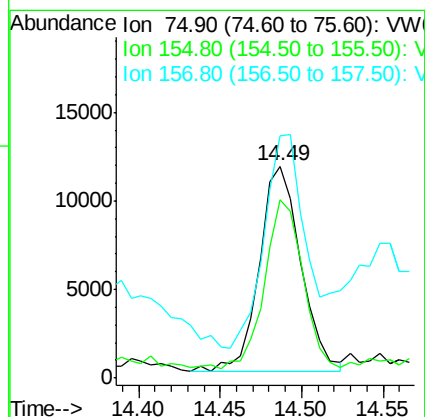
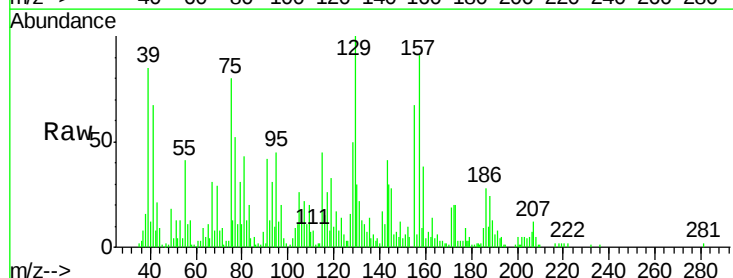
RT: 14.49 min Scan# 2064

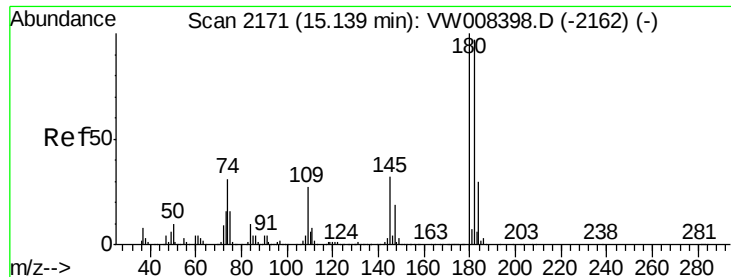
Delta R.T. -0.01 min

Lab File: VW008596.D

Acq: 11 Feb 2019 14:41

Tgt Ion:	75	Resp:	20488
Ion Ratio	Lower	Upper	
75	100		
155	73.0	42.7	128.1
157	105.6	55.5	166.3





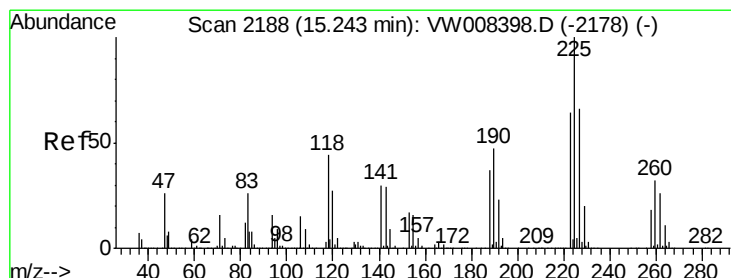
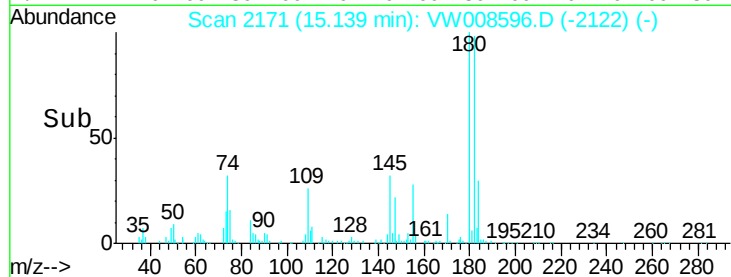
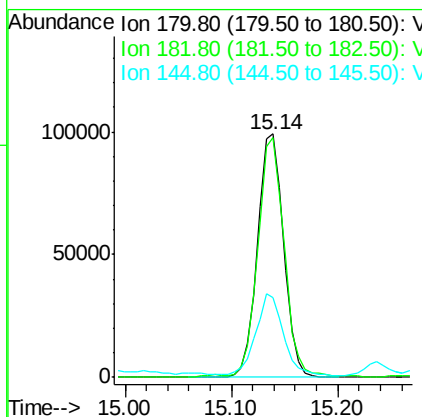
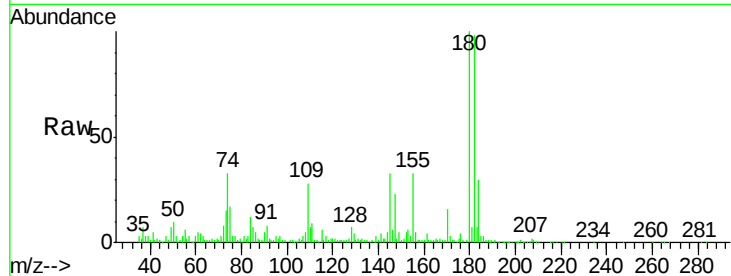
#93
 1,2,4-Trichlorobenzene
 Concen: 20.679 ug/l
 RT: 15.14 min Scan# 2171
 Delta R.T. 0.00 min
 Lab File: VW008596.D
 Acq: 11 Feb 2019 14:41

Instrument :
 MSVOA_W
 ClientSampled :
 VW0211SBS01

Tot Ion	Ratio	Resp	Lower	Upper
180	100	171125		
182	101.4	47.9	143.7	
145	34.9	15.5	46.5	

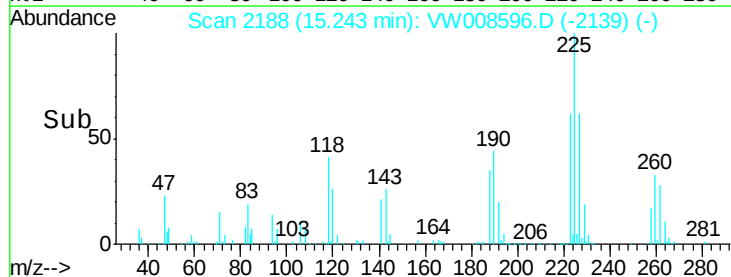
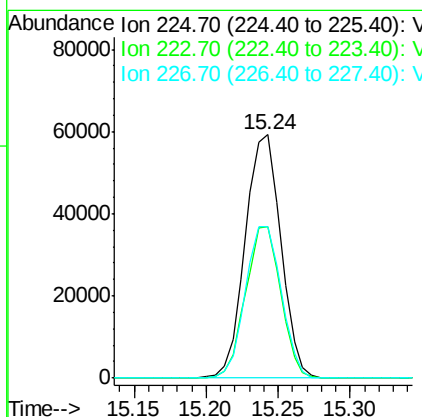
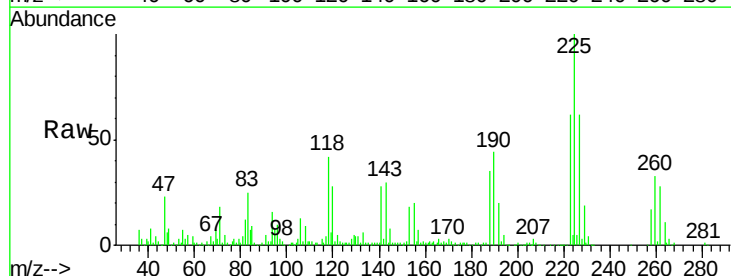
Manual Integrations
 APPROVED

MMDadoda
 2/12/2019 1:43:00 PM



#94
 Hexachlorobutadiene
 Concen: 20.358 ug/l
 RT: 15.24 min Scan# 2188
 Delta R.T. 0.00 min
 Lab File: VW008596.D
 Acq: 11 Feb 2019 14:41

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	101530		
223	61.4	31.7	95.1	
227	62.9	32.1	96.3	





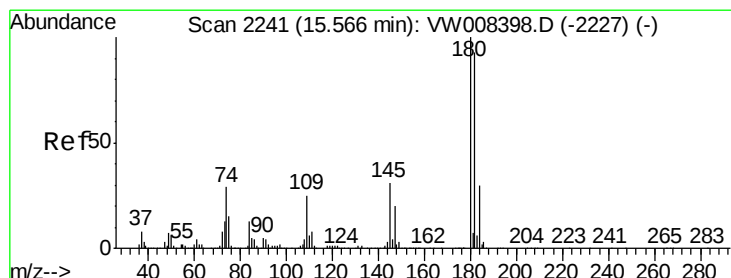
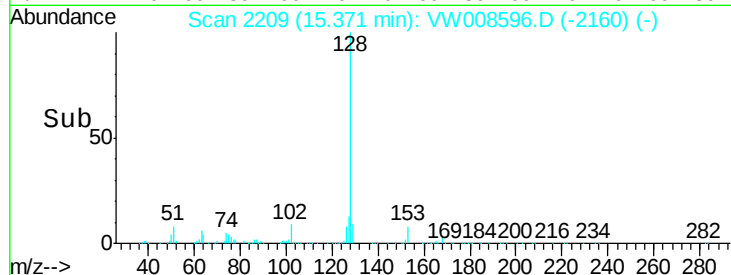
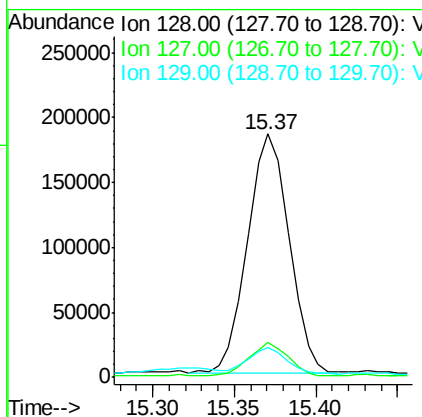
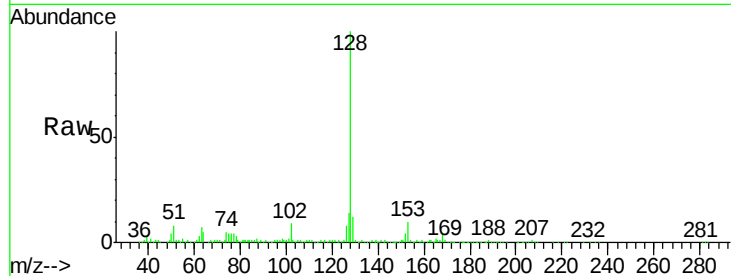
#95
Naphthalene
Concen: 22.544 ug/l
RT: 15.37 min Scan# 2209
Delta R.T. 0.00 min
Lab File: VW008596.D
Acq: 11 Feb 2019 14:41

Instrument :
MSVOA_W
ClientSampleId :
VW0211SBS01

Tot Ion	Ratio	Resp	Lower	Upper
128	100	327573		
127	13.5	10.6	15.8	
129	11.3	8.7	13.1	

Manual Integrations
APPROVED

MMDadoda
2/12/2019 1:43:00 PM



#96
1,2,3-Trichlorobenzene
Concen: 21.392 ug/l
RT: 15.56 min Scan# 2240
Delta R.T. -0.01 min
Lab File: VW008596.D
Acq: 11 Feb 2019 14:41

Tgt Ion	Ratio	Resp	Lower	Upper
180	100	150166		
182	93.3	47.0	141.2	
145	40.5	15.9	47.6	

