

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW022619\
 Data File : VW008821.D
 Acq On : 26 Feb 2019 10:38
 Operator : SY/VA
 Sample : VSTDCCC050
 Misc : 5.00G/5ML/MSVOA W/SOIL
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

MMDadoda
 2/27/2019 5:20:34 PM

Quant Time: Feb 27 06:05:25 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W022119S.M
 Quant Title : SW846 8260
 QLast Update : Fri Feb 22 00:38:32 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	319951	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	447532	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	428187	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	228546	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.31	65	152023	50.66	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.32%	
35) Dibromofluoromethane	7.88	113	148409	55.23	ug/l	0.00
Spiked Amount	50.000		Recovery	=	110.46%	
50) Toluene-d8	10.32	98	608151	58.63	ug/l	0.00
Spiked Amount	50.000		Recovery	=	117.26%	
62) 4-Bromofluorobenzene	12.62	95	225113	55.43	ug/l	0.00
Spiked Amount	50.000		Recovery	=	110.86%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.00	85	161480	50.391	ug/l	99
3) Chloromethane	2.21	50	195574	50.137	ug/l	98
4) Vinyl Chloride	2.35	62	200291	48.495	ug/l	99
5) Bromomethane	2.76	94	150074	48.922	ug/l	94
6) Chloroethane	2.92	64	138771	47.317	ug/l	98
7) Trichlorofluoromethane	3.26	101	271511	51.979	ug/l	98
8) Diethyl Ether	3.68	74	73025	44.158	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	4.06	101	164082	51.727	ug/l	99
10) Methyl Iodide	4.27	142	199014	50.173	ug/l	100
11) Tert butyl alcohol	5.18	59	50298	188.272	ug/l #	70
12) 1,1-Dichloroethene	4.04	96	142559	50.889	ug/l	94
13) Acrolein	3.90	56	67283	239.658	ug/l	99
14) Allyl chloride	4.67	41	243140	50.288	ug/l	99
15) Acrylonitrile	5.37	53	157904	222.487	ug/l	99
16) Acetone	4.13	43	185924	267.296	ug/l	99
17) Carbon Disulfide	4.38	76	476046	51.217	ug/l	98
18) Methyl Acetate	4.67	43	70179	42.537	ug/l	99
19) Methyl tert-butyl Ether	5.43	73	345312	45.541	ug/l	94
20) Methylene Chloride	4.92	84	164748	47.862	ug/l	96
21) trans-1,2-Dichloroethene	5.42	96	160763	49.611	ug/l	98
22) Diisopropyl ether	6.31	45	474435	49.190	ug/l	94
23) Vinyl Acetate	6.26	43	1398023	234.603	ug/l	99
24) 1,1-Dichloroethane	6.21	63	283301	50.689	ug/l	100
25) 2-Butanone	7.17	43	231278	237.828	ug/l	96
26) 2,2-Dichloropropane	7.16	77	266138	52.450	ug/l	100
27) cis-1,2-Dichloroethene	7.16	96	171396	49.446	ug/l	99
28) Bromochloromethane	7.51	49	109466	46.804	ug/l	96
29) Tetrahydrofuran	7.53	42	128597	207.509	ug/l	99
30) Chloroform	7.67	83	288342	50.290	ug/l	99
31) Cyclohexane	7.95	56	278378	49.207	ug/l	96
32) 1,1,1-Trichloroethane	7.87	97	270932	51.961	ug/l	99
36) 1,1-Dichloropropene	8.08	75	232846	53.449	ug/l	97
37) Ethyl Acetate	7.26	43	89357	44.109	ug/l	98
38) Carbon Tetrachloride	8.06	117	249180	54.237	ug/l	96

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 Quant Title : SW846 8260
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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.34	83	295100	54.307	ug/l	97
40) Benzene	8.32	78	628996	52.881	ug/l	99
41) Methacrylonitrile	7.49	41	52662	44.224	ug/l	95
42) 1,2-Dichloroethane	8.40	62	186393	49.469	ug/l	100
43) Isopropyl Acetate	8.42	43	179728	44.452	ug/l	99
44) Trichloroethene	9.09	130	178079	53.146	ug/l	95
45) 1,2-Dichloropropane	9.37	63	151101	51.407	ug/l	98
46) Dibromomethane	9.46	93	79606	48.690	ug/l	98
47) Bromodichloromethane	9.64	83	208528	52.422	ug/l	100
48) Methyl methacrylate	9.43	41	91050	47.019	ug/l	97
49) 1,4-Dioxane	9.46	88	24065	919.140	ug/l	94
51) 4-Methyl-2-Pentanone	10.21	43	459843	224.016	ug/l	100
52) Toluene	10.38	92	435606	53.962	ug/l	99
53) t-1,3-Dichloropropene	10.60	75	206722	50.986	ug/l	100
54) cis-1,3-Dichloropropene	10.07	75	243802	52.723	ug/l	98
55) 1,1,2-Trichloroethane	10.79	97	107808	48.623	ug/l	96
56) Ethyl methacrylate	10.65	69	140706	48.845	ug/l	99
57) 1,3-Dichloropropane	10.93	76	194742	49.745	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.92	63	331383	228.727	ug/l	99
59) 2-Hexanone	10.97	43	365897	250.406	ug/l	99
60) Dibromochloromethane	11.13	129	139550	51.601	ug/l	99
61) 1,2-Dibromoethane	11.23	107	107219	48.853	ug/l	98
64) Tetrachloroethene	10.86	164	165708	54.064	ug/l	98
65) Chlorobenzene	11.66	112	481394	53.467	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.73	131	157058	51.591	ug/l	98
67) Ethyl Benzene	11.73	91	881081	54.742	ug/l	99
68) m/p-Xylenes	11.84	106	697640	108.483	ug/l	99
69) o-Xylene	12.16	106	326081	54.022	ug/l	98
70) Styrene	12.18	104	515468	53.081	ug/l	99
71) Bromoform	12.35	173	81192	49.616	ug/l #	98
73) Isopropylbenzene	12.46	105	893581	57.033	ug/l	100
74) N-amyl acetate	12.27	43	182728	46.300	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.71	83	125360	48.968	ug/l	96
76) 1,2,3-Trichloropropane	12.77	75	87843m	46.553	ug/l	
77) Bromobenzene	12.75	156	200037	54.028	ug/l	99
78) n-propylbenzene	12.80	91	1089425	56.844	ug/l	100
79) 2-Chlorotoluene	12.90	91	601763	55.303	ug/l	99
80) 1,3,5-Trimethylbenzene	12.94	105	757093	55.605	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.51	75	40043	51.590	ug/l	96
82) 4-Chlorotoluene	12.99	91	630037	54.945	ug/l	100
83) tert-Butylbenzene	13.21	119	660066	56.067	ug/l	99
84) 1,2,4-Trimethylbenzene	13.26	105	771264	54.721	ug/l	100
85) sec-Butylbenzene	13.38	105	955305	56.432	ug/l	100
86) p-Isopropyltoluene	13.50	119	855219	55.109	ug/l	100
87) 1,3-Dichlorobenzene	13.50	146	415439	54.081	ug/l	100
88) 1,4-Dichlorobenzene	13.58	146	407641	53.843	ug/l	100
89) n-Butylbenzene	13.83	91	809276	55.664	ug/l	99
90) Hexachloroethane	14.10	117	148326	58.385	ug/l	100
91) 1,2-Dichlorobenzene	13.87	146	360296	52.640	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.49	75	21504	46.435	ug/l	98

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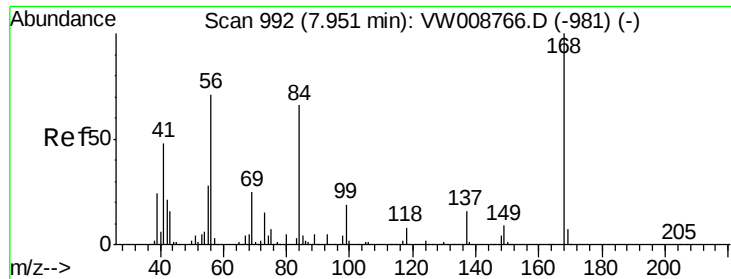
Manual Integrations
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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.14	180	257298	52.173	ug/l	100
94) Hexachlorobutadiene	15.24	225	166038	57.158	ug/l	100
95) Naphthalene	15.37	128	408318	48.628	ug/l	100
96) 1,2,3-Trichlorobenzene	15.56	180	216901	50.868	ug/l	98

(#) = 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. -0.01 min

Lab File: VW008821.D

Acq: 26 Feb 2019 10:38

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

Tot Ion:168 Resp: 319951

Ion Ratio Lower Upper

168 100

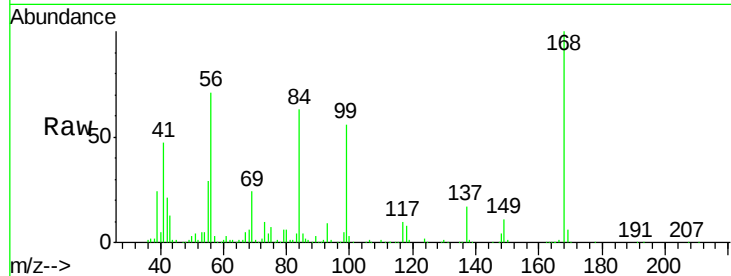
99 55.8 42.2 63.2

Manual Integrations

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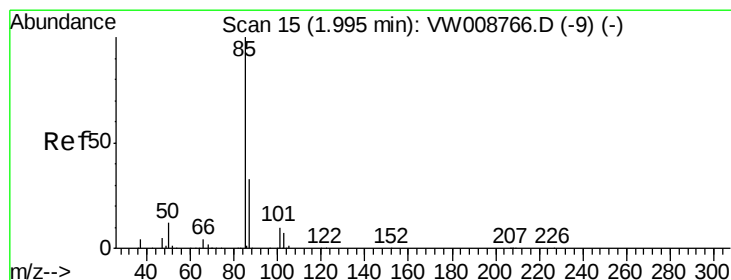
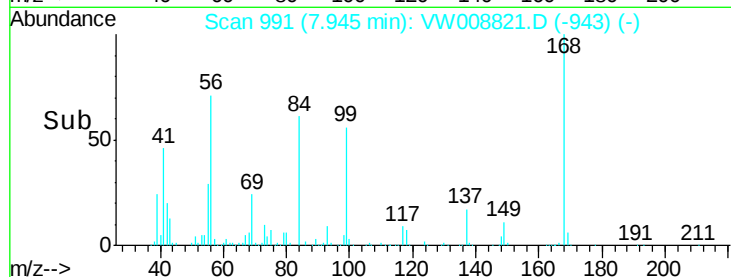
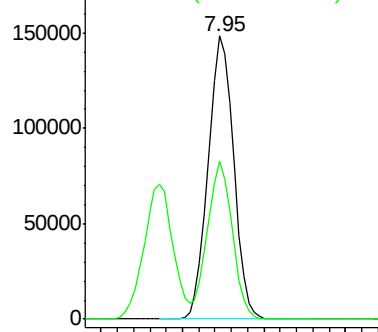
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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW



#2

Dichlorodifluoromethane

Concen: 50.391 ug/l

RT: 2.00 min Scan# 16

Delta R.T. 0.01 min

Lab File: VW008821.D

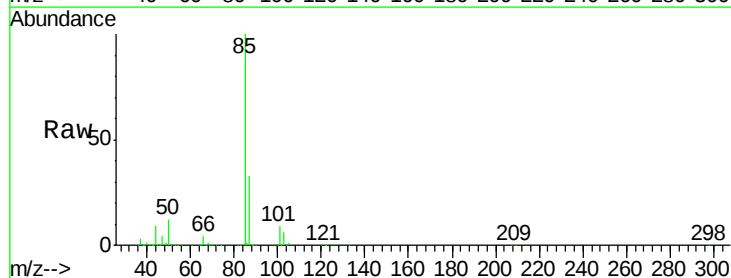
Acq: 26 Feb 2019 10:38

Tgt Ion: 85 Resp: 161480

Ion Ratio Lower Upper

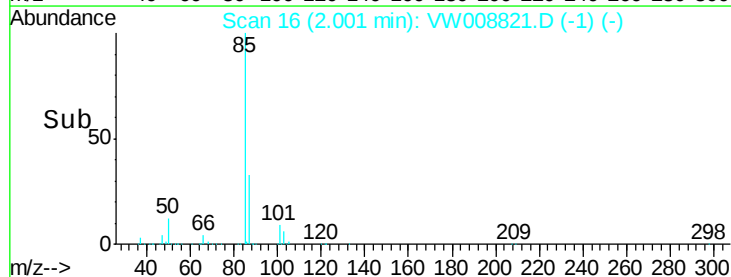
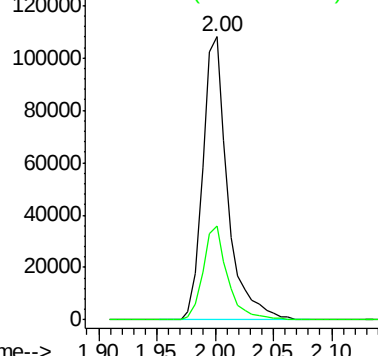
85 100

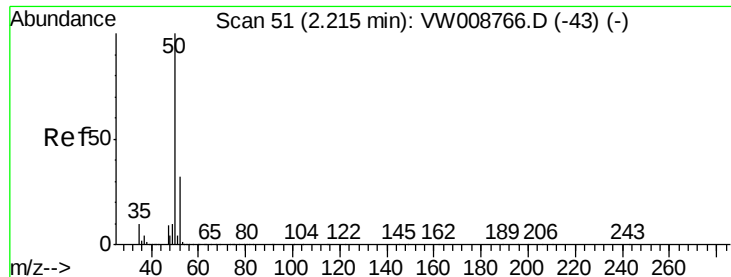
87 33.3 16.4 49.1



Abundance Ion 84.90 (84.60 to 85.60): VW

Ion 86.90 (86.60 to 87.60): VW





#3

Chloromethane

Concen: 50.137 ug/l

RT: 2.21 min Scan# 50

Delta R.T. -0.01 min

Lab File: VW008821.D

Acq: 26 Feb 2019 10:38

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

Tot Ion: 50 Resp: 195574

Ion Ratio Lower Upper

50 100

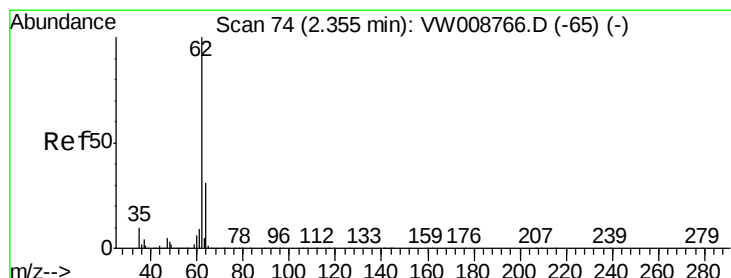
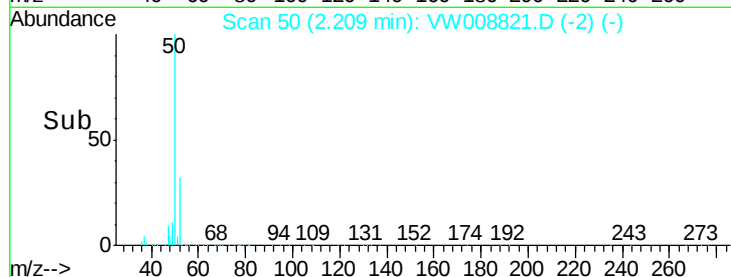
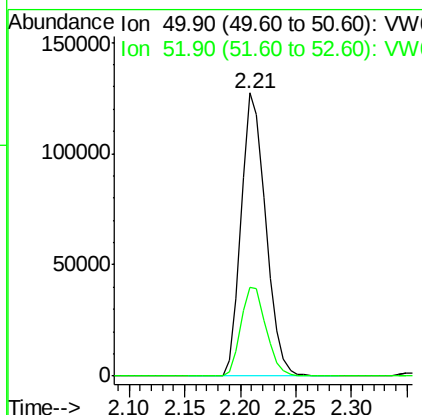
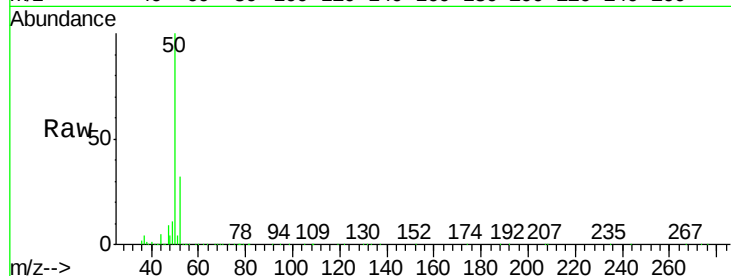
52 31.5 25.9 38.9

Manual Integrations

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#4

Vinyl Chloride

Concen: 48.495 ug/l

RT: 2.35 min Scan# 74

Delta R.T. 0.00 min

Lab File: VW008821.D

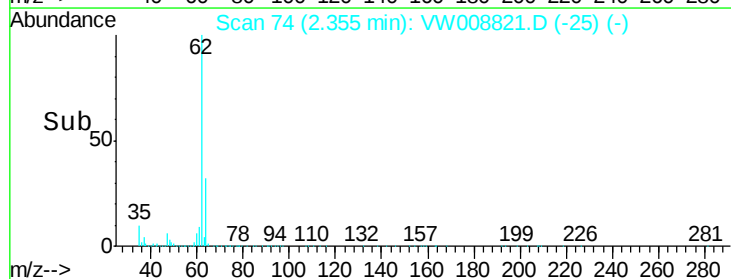
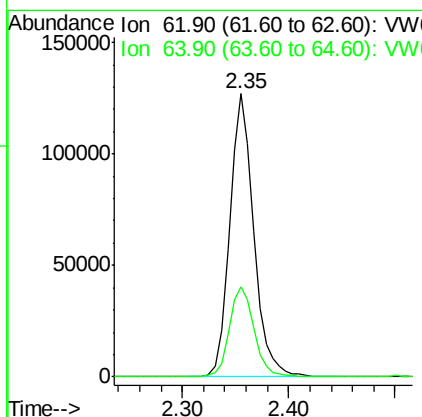
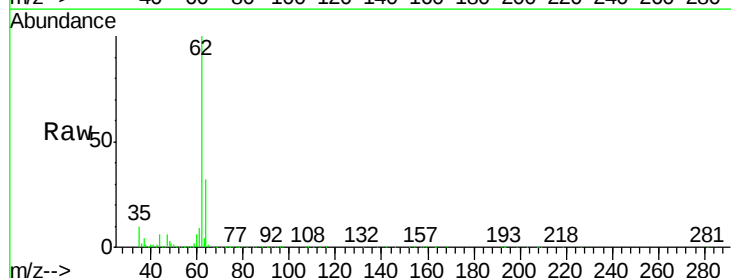
Acq: 26 Feb 2019 10:38

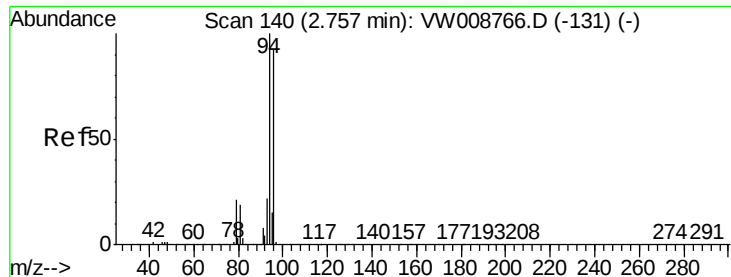
Tgt Ion: 62 Resp: 200291

Ion Ratio Lower Upper

62 100

64 31.8 24.9 37.3





#5

Bromomethane

Concen: 48.922 ug/l

RT: 2.76 min Scan# 141

Delta R.T. 0.01 min

Lab File: VW008821.D

Acq: 26 Feb 2019 10:38

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

Tot Ion: 94 Resp: 150074

Ion Ratio Lower Upper

94 100

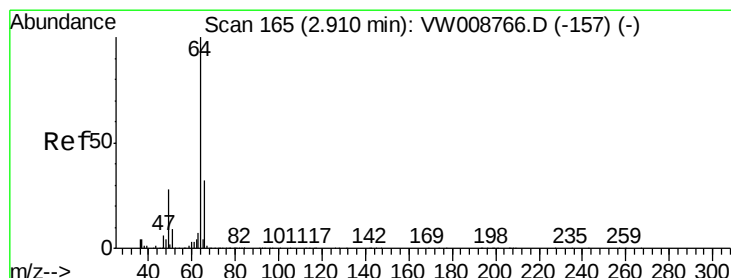
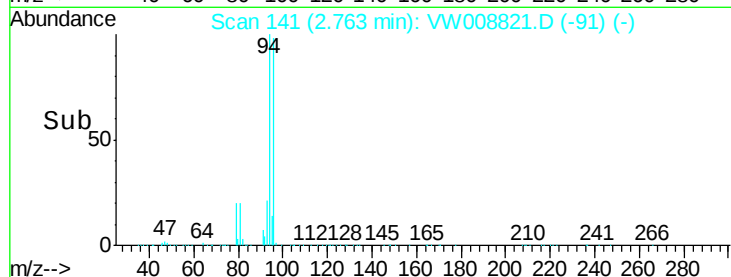
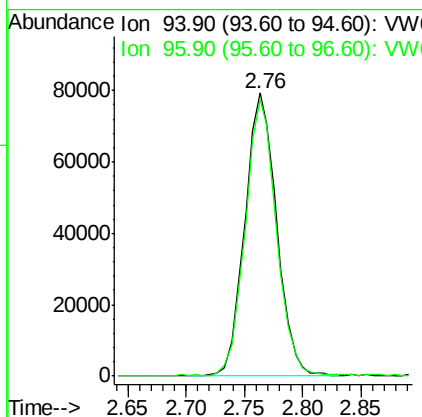
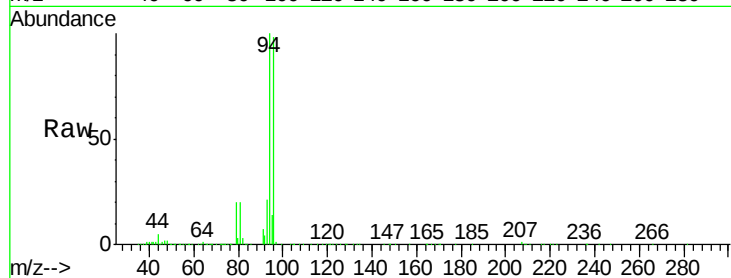
96 97.4 73.4 110.2

Manual Integrations

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#6

Chloroethane

Concen: 47.317 ug/l

RT: 2.92 min Scan# 166

Delta R.T. 0.01 min

Lab File: VW008821.D

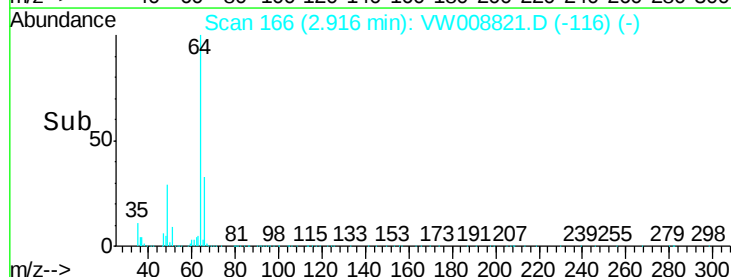
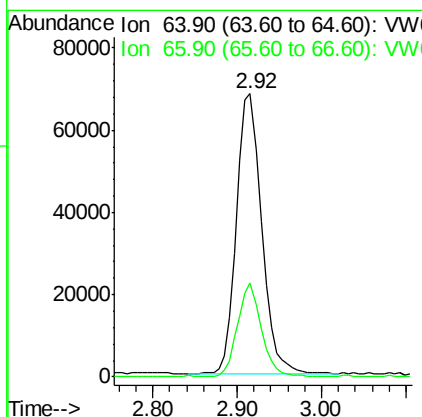
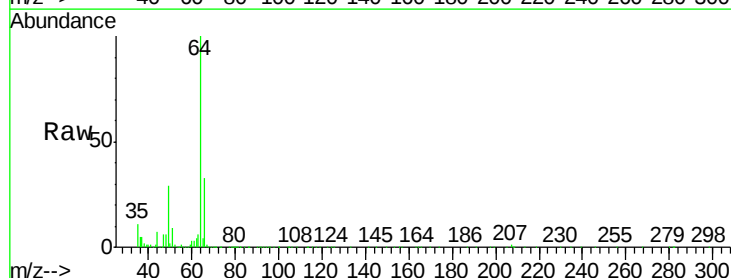
Acq: 26 Feb 2019 10:38

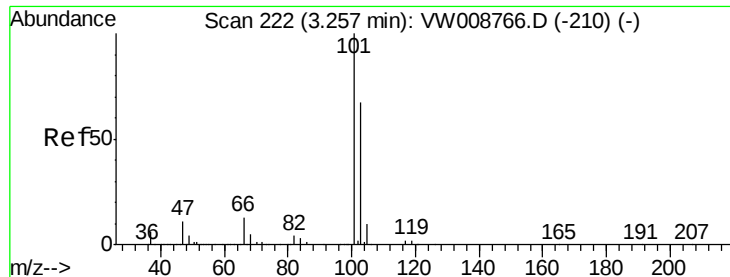
Tgt Ion: 64 Resp: 138771

Ion Ratio Lower Upper

64 100

66 33.1 25.5 38.3





#7

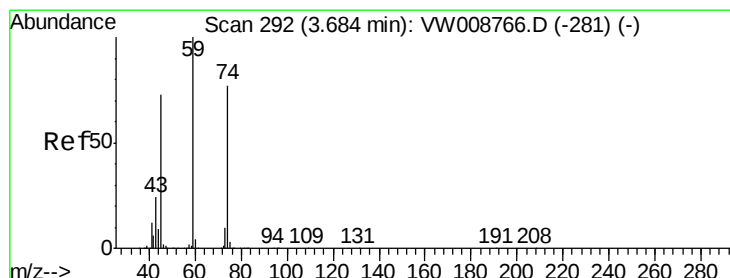
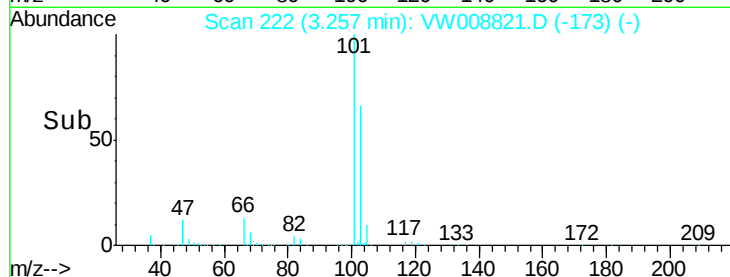
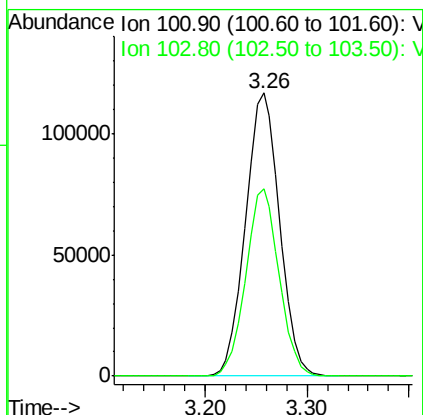
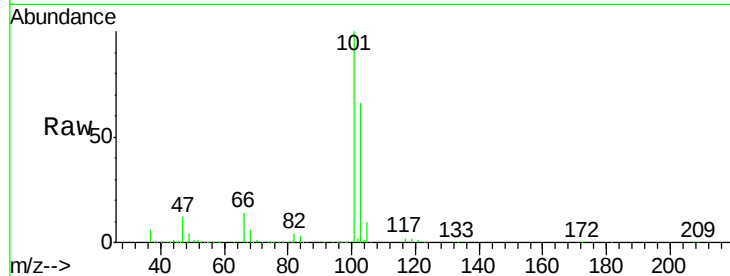
Trichlorofluoromethane
Concen: 51.979 ug/l
RT: 3.26 min Scan# 222
Delta R.T. 0.00 min
Lab File: VW008821.D
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VSTDCCC050

Tot Ion	Ratio	Lower	Upper
101	100		
103	66.0	53.9	80.9

Manual Integrations
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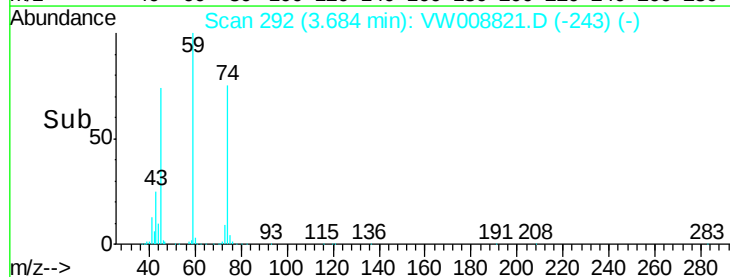
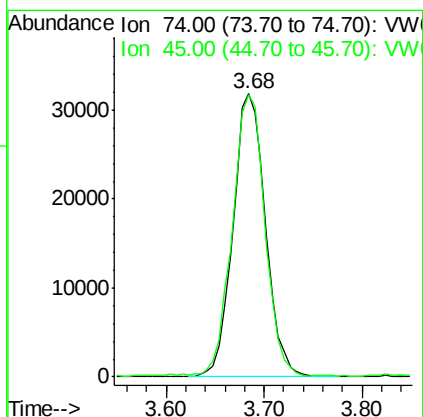
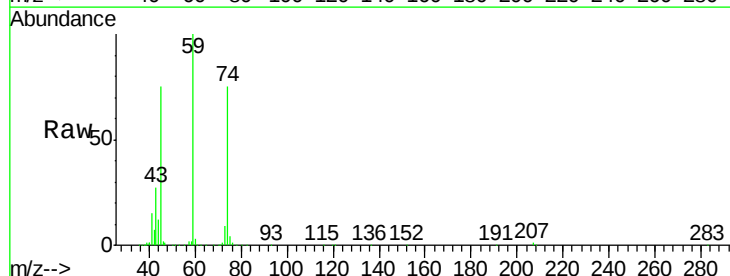
MMDadoda
2/27/2019 5:20:34 PM

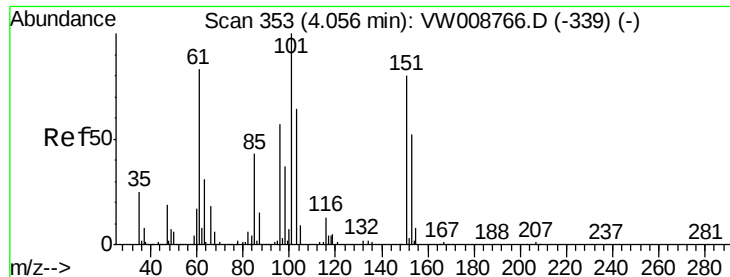


#8

Diethyl Ether
Concen: 44.158 ug/l
RT: 3.68 min Scan# 292
Delta R.T. 0.00 min
Lab File: VW008821.D
Acq: 26 Feb 2019 10:38

Tgt Ion	Ratio	Lower	Upper
74	100		
45	99.4	50.2	150.6





#9

1,1,2-Trichlorotrifluoroethane

Concen: 51.727 ug/l

RT: 4.06 min Scan# 353

Delta R.T. 0.00 min

Lab File: VW008821.D

Acq: 26 Feb 2019 10:38

Instrument :

MSVOA_W

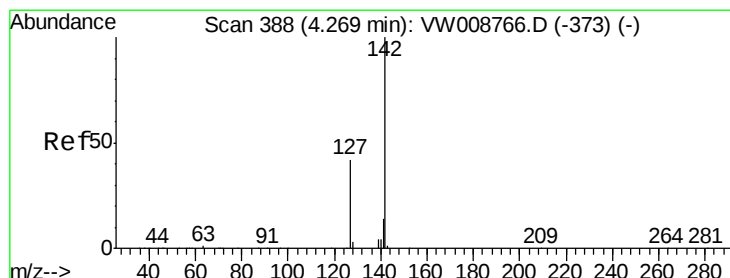
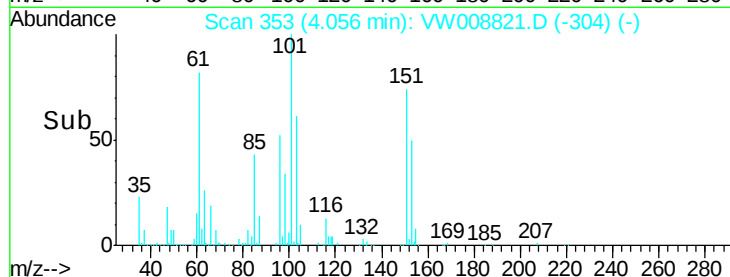
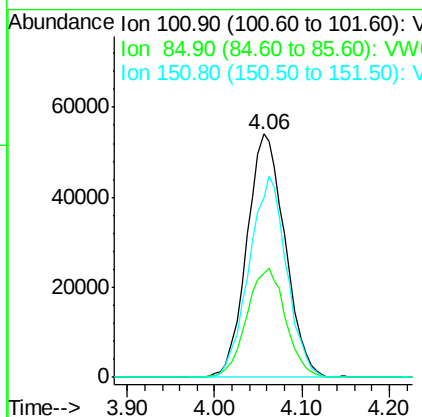
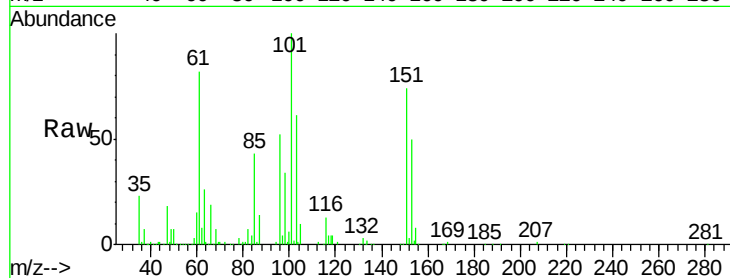
ClientSampleId :

VSTDCCC050

Tot Ion:	101	Resp:	164082
Ion Ratio	Lower	Upper	
101	100		
85	45.6	36.0	54.0
151	81.3	65.5	98.3

Manual Integrations
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2/27/2019 5:20:34 PM



#10

Methyl Iodide

Concen: 50.173 ug/l

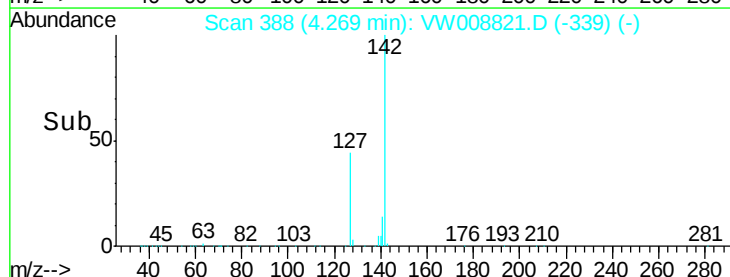
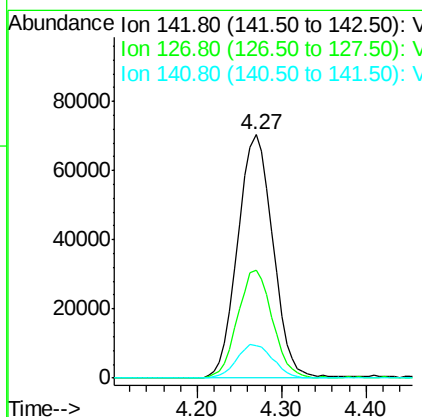
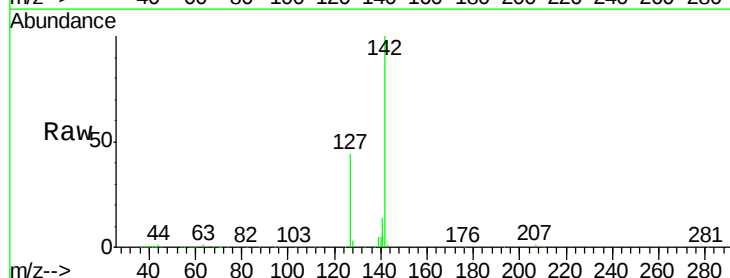
RT: 4.27 min Scan# 388

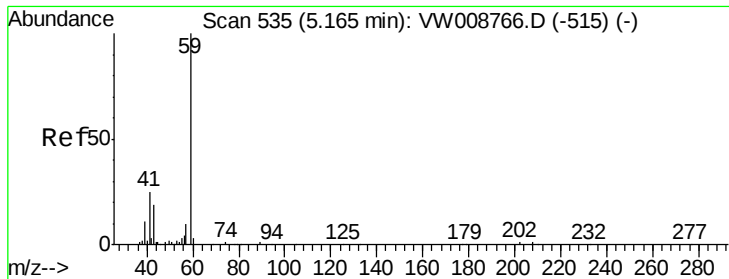
Delta R.T. 0.00 min

Lab File: VW008821.D

Acq: 26 Feb 2019 10:38

Tgt Ion:	142	Resp:	199014
Ion Ratio	Lower	Upper	
142	100		
127	43.9	35.3	52.9
141	14.3	11.7	17.5





#11

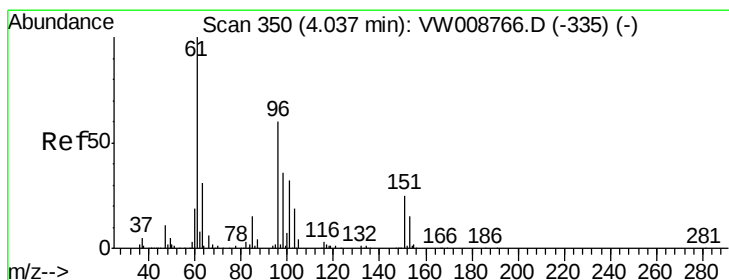
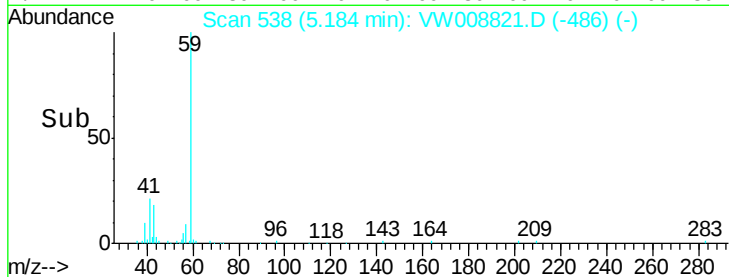
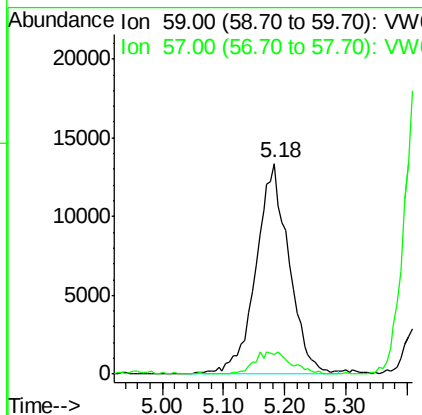
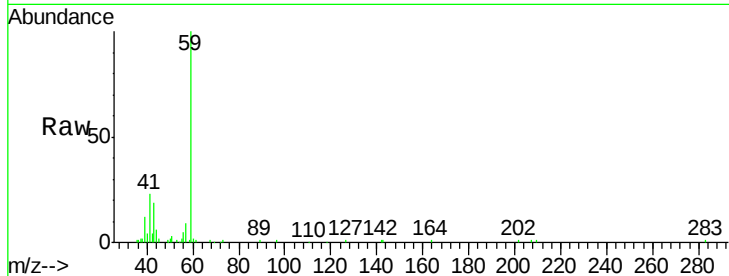
Tert butyl alcohol
Concen: 188.272 ug/l
RT: 5.18 min Scan# 538
Delta R.T. 0.02 min
Lab File: VW008821.D
Acq: 26 Feb 2019 10:38

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
59	100		
57	0.0	9.3	13.9#

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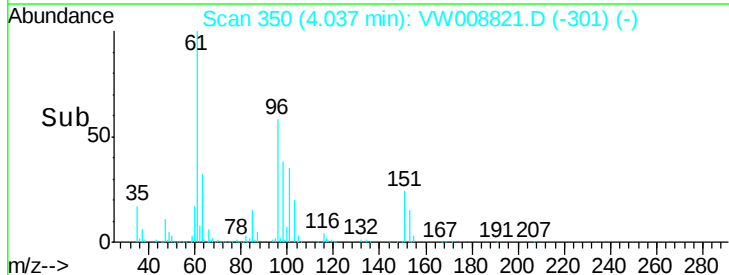
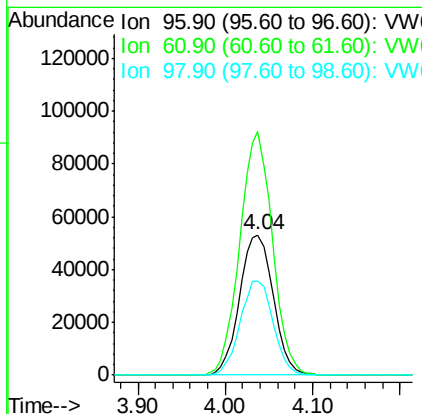
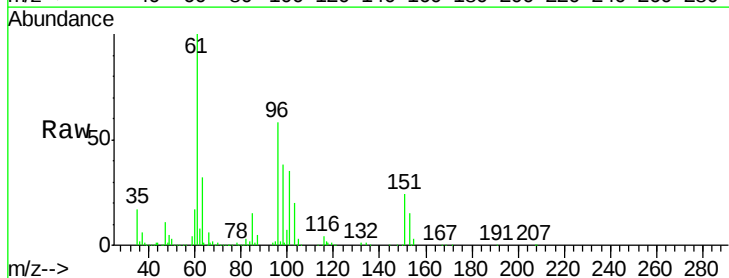
MMDadoda
2/27/2019 5:20:34 PM

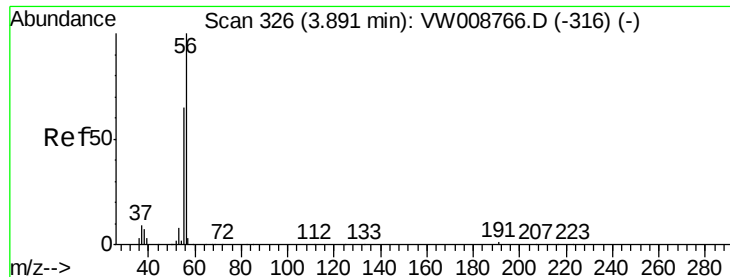


#12

1,1-Dichloroethene
Concen: 50.889 ug/l
RT: 4.04 min Scan# 350
Delta R.T. 0.00 min
Lab File: VW008821.D
Acq: 26 Feb 2019 10:38

Tgt Ion	Ratio	Lower	Upper
96	100		
61	173.2	132.5	198.7
98	66.5	48.2	72.4





#13

Acrolein

Concen: 239.658 ug/l

RT: 3.90 min Scan# 327

Delta R.T. 0.01 min

Lab File: VW008821.D

Acq: 26 Feb 2019 10:38

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

Tot Ion: 56 Resp: 67283

Ion Ratio Lower Upper

56 100

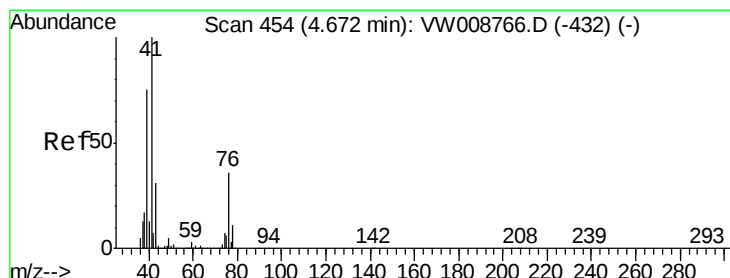
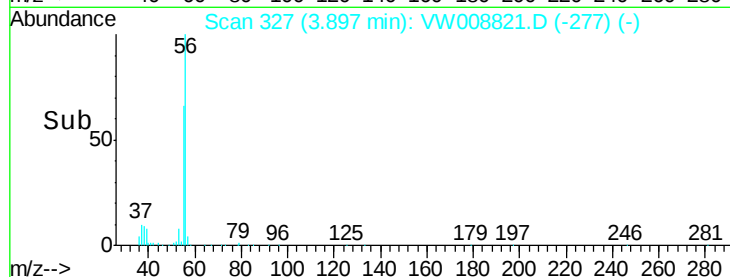
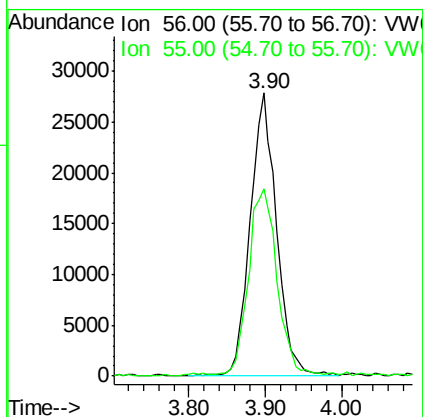
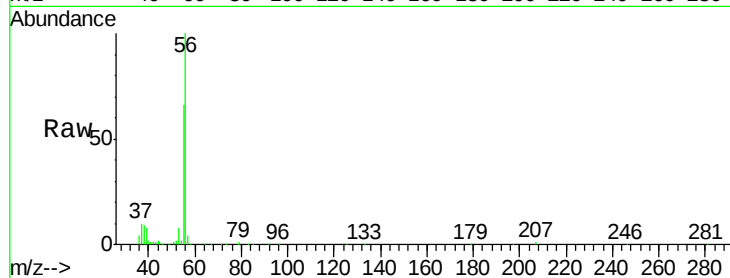
55 70.5 56.9 85.3

Manual Integrations

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#14

Allyl chloride

Concen: 50.288 ug/l

RT: 4.67 min Scan# 453

Delta R.T. -0.01 min

Lab File: VW008821.D

Acq: 26 Feb 2019 10:38

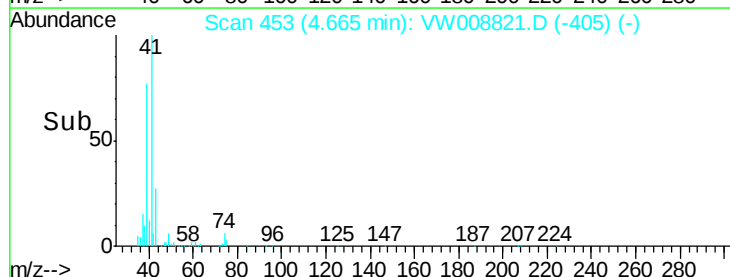
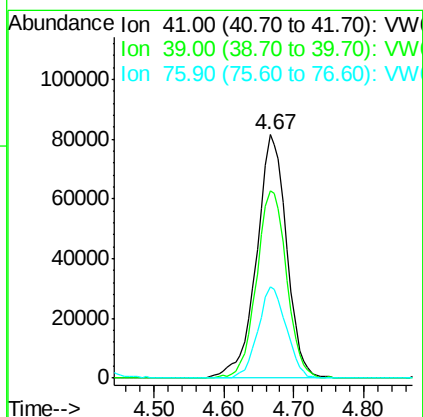
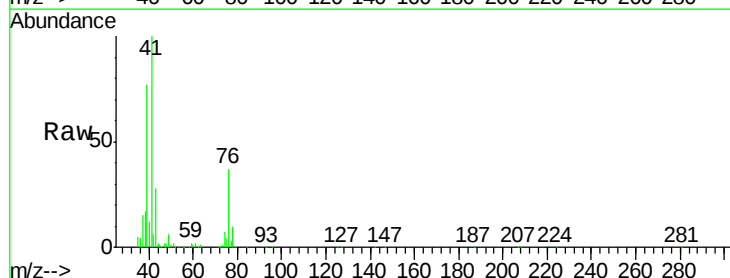
Tgt Ion: 41 Resp: 243140

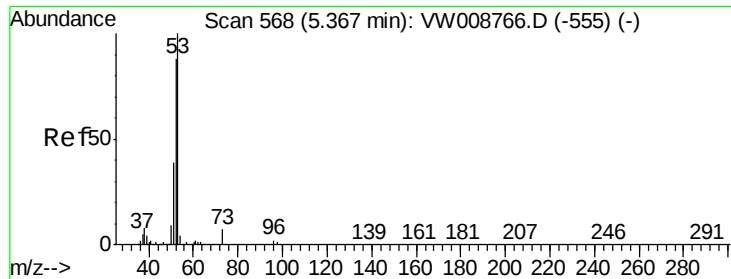
Ion Ratio Lower Upper

41 100

39 76.5 60.6 91.0

76 35.2 28.6 42.8





#15

Acrylonitrile

Concen: 222.487 ug/l

RT: 5.37 min Scan# 568

Delta R.T. 0.00 min

Lab File: VW008821.D

Acq: 26 Feb 2019 10:38

Instrument :

MSVOA_W

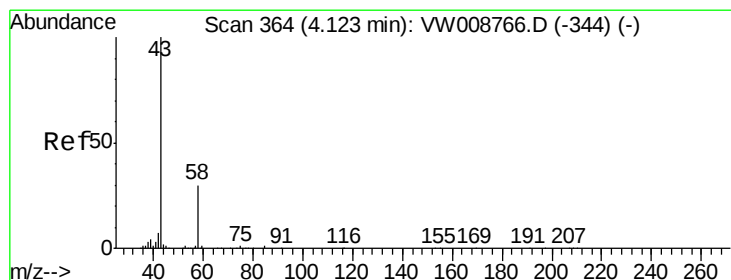
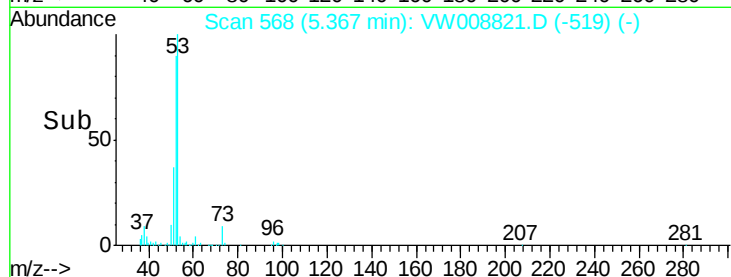
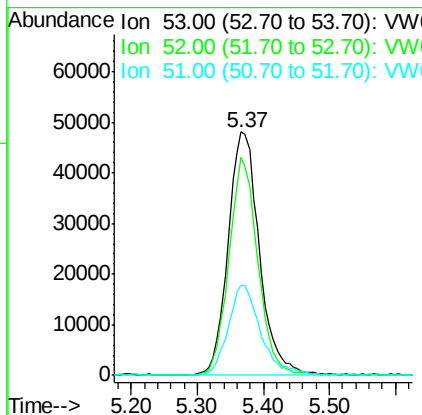
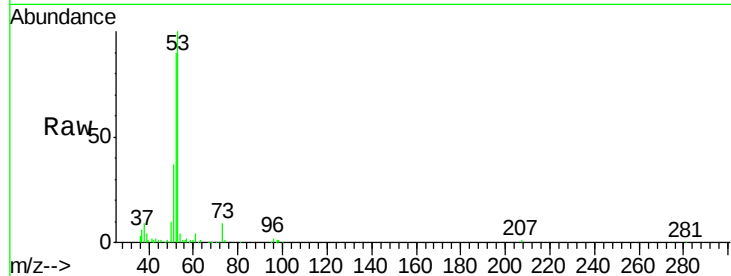
ClientSampleId :

VSTDCCC050

Tot Ion:	53	Resp:	157904
Ion	Ratio	Lower	Upper
53	100		
52	82.7	67.2	100.8
51	38.4	31.1	46.7

Manual Integrations
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#16

Acetone

Concen: 267.296 ug/l

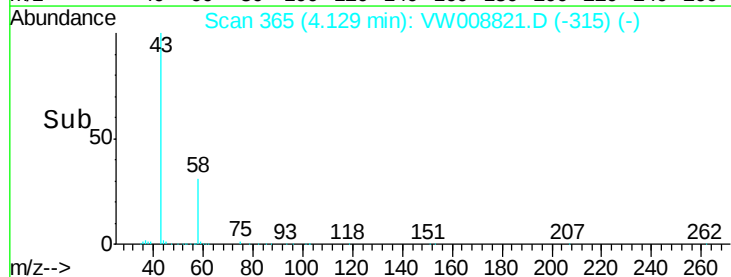
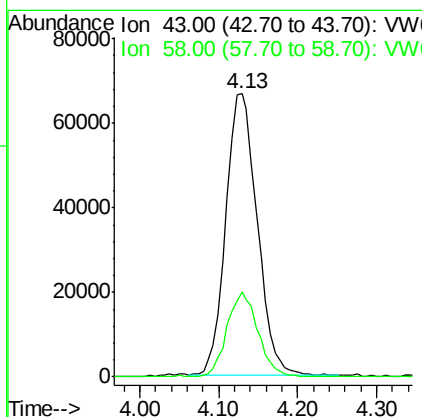
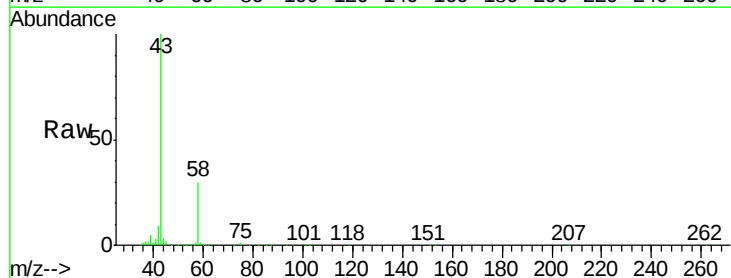
RT: 4.13 min Scan# 365

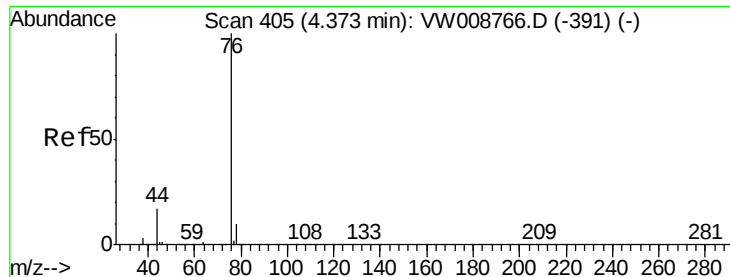
Delta R.T. 0.01 min

Lab File: VW008821.D

Acq: 26 Feb 2019 10:38

Tgt Ion:	43	Resp:	185924
Ion	Ratio	Lower	Upper
43	100		
58	30.1	23.8	35.6





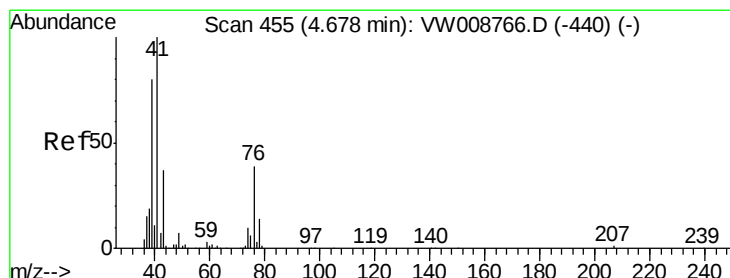
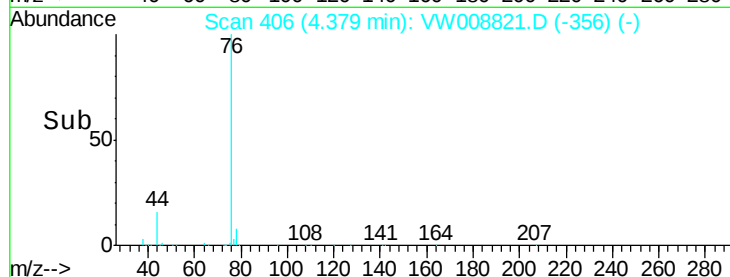
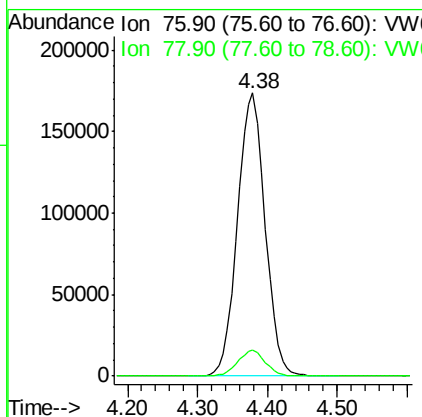
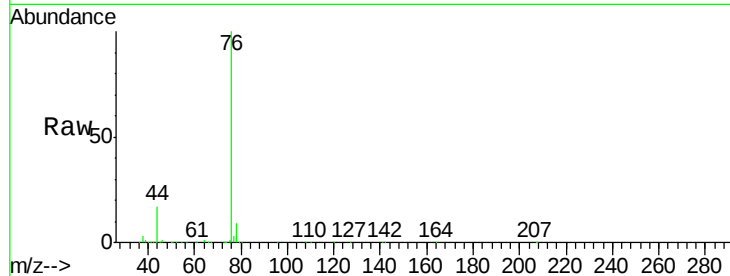
#17
Carbon Disulfide
Concen: 51.217 ug/l
RT: 4.38 min Scan# 406
Delta R.T. 0.01 min
Lab File: VW008821.D
Acq: 26 Feb 2019 10:38

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
76	100		
78	9.0	7.8	11.8

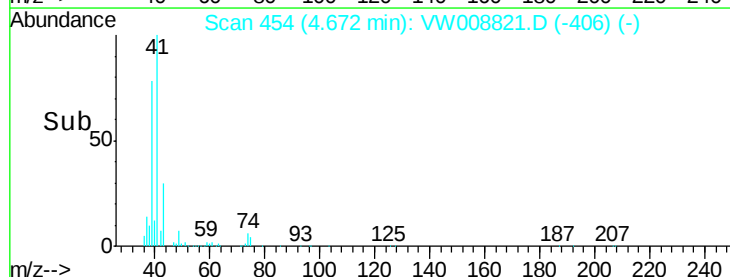
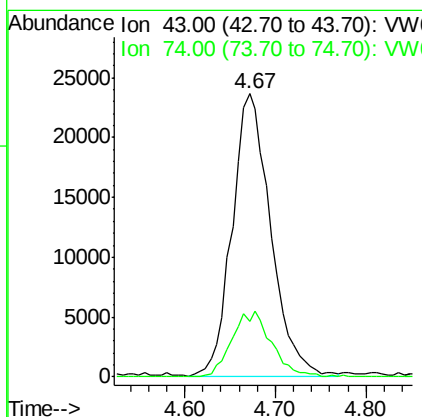
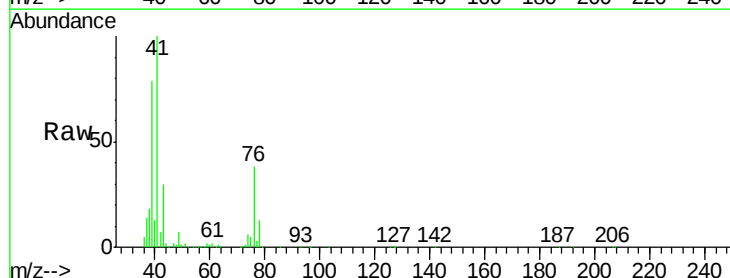
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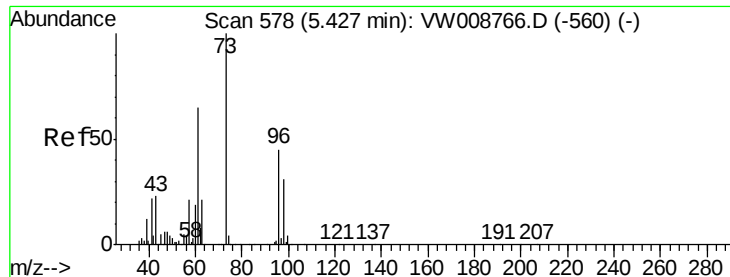
MMDadoda
2/27/2019 5:20:34 PM



#18
Methyl Acetate
Concen: 42.537 ug/l
RT: 4.67 min Scan# 454
Delta R.T. -0.01 min
Lab File: VW008821.D
Acq: 26 Feb 2019 10:38

Tgt Ion	Ratio	Lower	Upper
43	100		
74	23.7	19.4	29.2





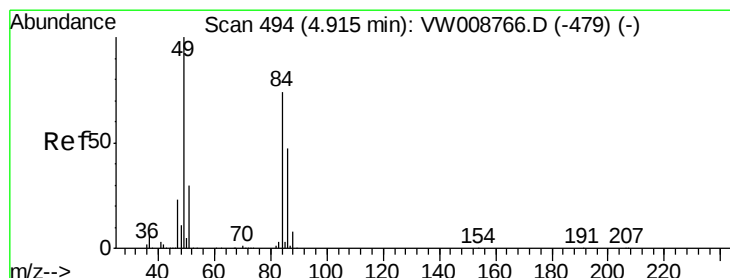
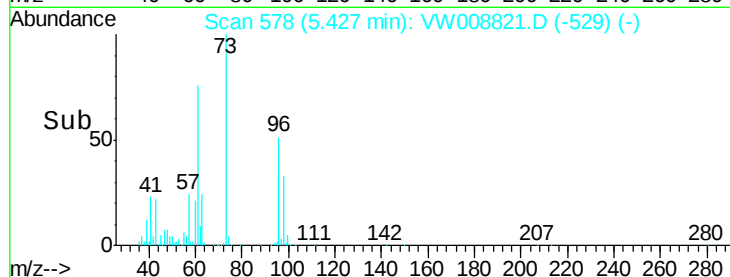
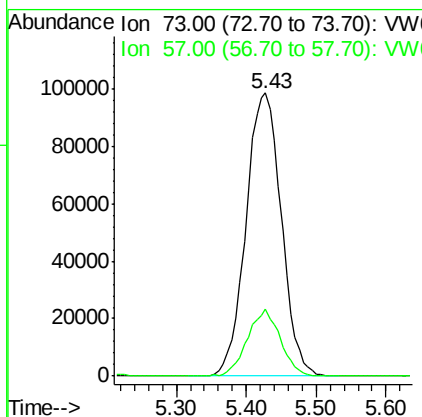
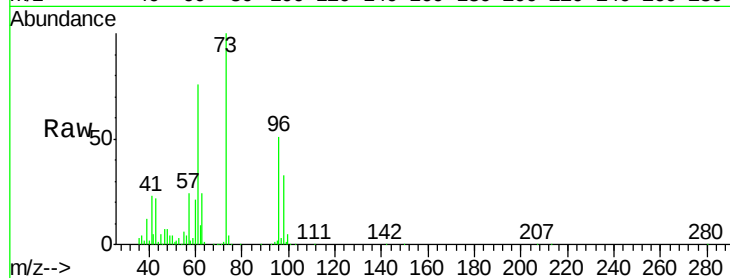
#19
Methvl tert-butvl Ether
Concen: 45.541 ug/l
RT: 5.43 min Scan# 578
Delta R.T. 0.00 min
Lab File: VW008821.D
Acq: 26 Feb 2019 10:38

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion: 73 Resp: 345312
Ion Ratio Lower Upper
73 100
57 23.8 16.8 25.2

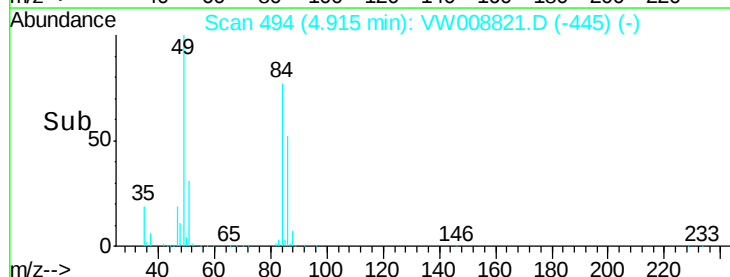
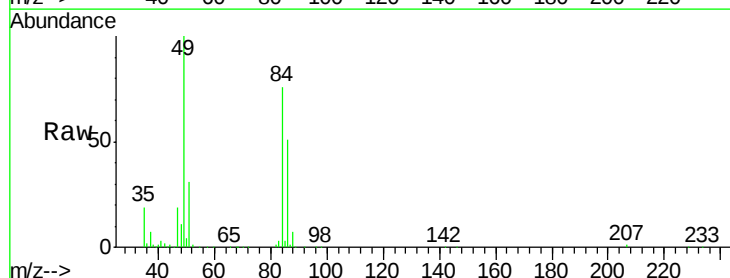
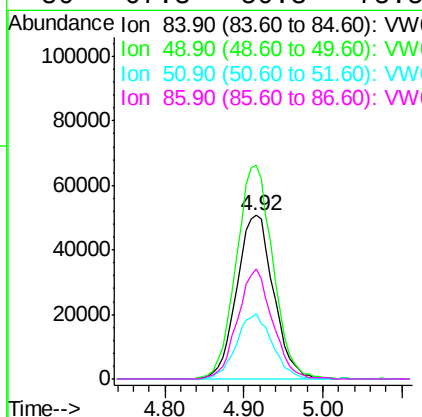
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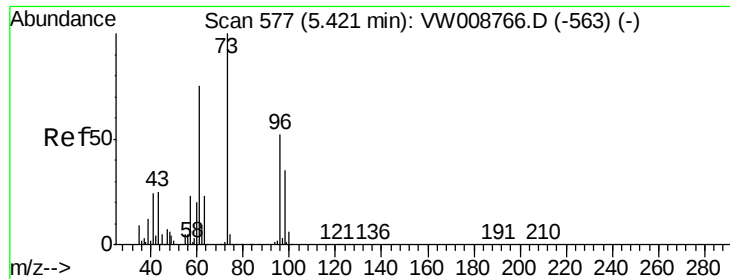
MMDadoda
2/27/2019 5:20:34 PM



#20
Methylene Chloride
Concen: 47.862 ug/l
RT: 4.92 min Scan# 494
Delta R.T. 0.00 min
Lab File: VW008821.D
Acq: 26 Feb 2019 10:38

Tgt Ion: 84 Resp: 164748
Ion Ratio Lower Upper
84 100
49 130.8 108.2 162.2
51 40.1 32.7 49.1
86 67.3 50.3 75.5





#21

trans-1,2-Dichloroethene

Concen: 49.611 ug/l

RT: 5.42 min Scan# 577

Delta R.T. 0.00 min

Lab File: VW008821.D

Acq: 26 Feb 2019 10:38

Instrument :

MSVOA_W

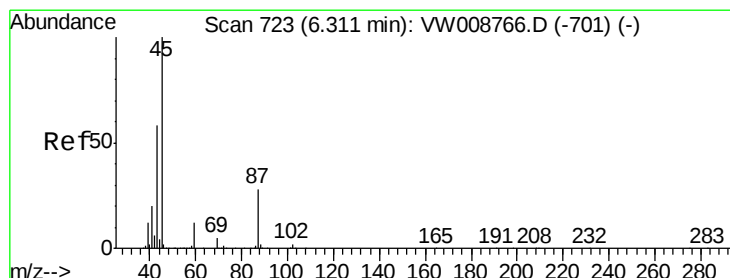
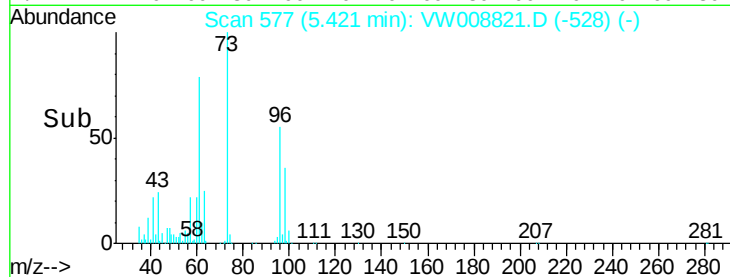
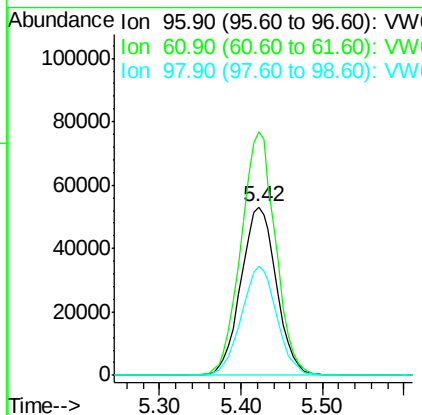
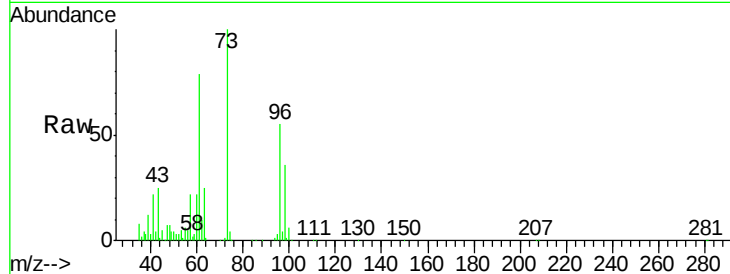
ClientSampleId :

VSTDCCC050

Tot Ion:	96	Resp:	160763
Ion	Ratio	Lower	Upper
96	100		
61	144.6	114.6	171.8
98	65.0	54.0	81.0

Manual Integrations
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#22

Diisopropyl ether

Concen: 49.190 ug/l

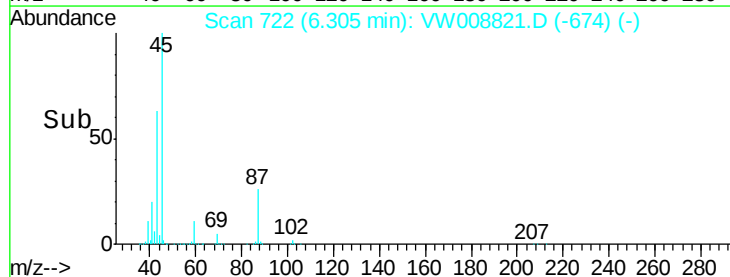
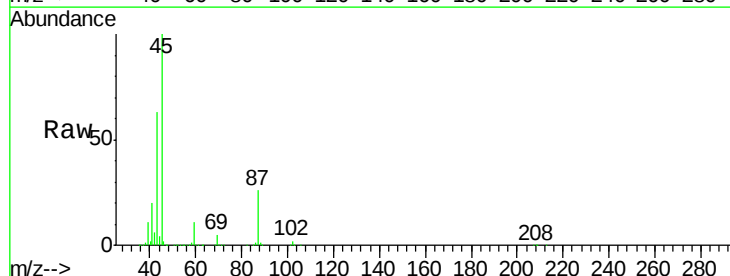
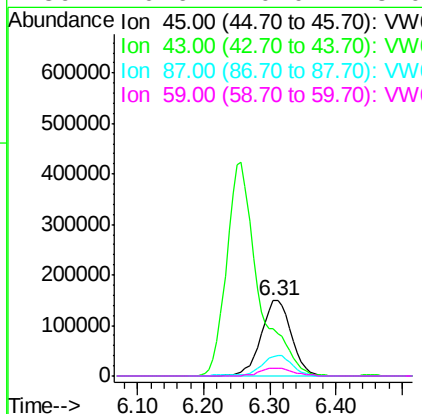
RT: 6.31 min Scan# 722

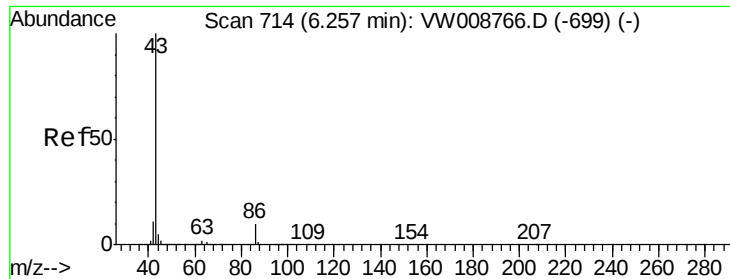
Delta R.T. -0.01 min

Lab File: VW008821.D

Acq: 26 Feb 2019 10:38

Tgt Ion:	45	Resp:	474435
Ion	Ratio	Lower	Upper
45	100		
43	62.9	46.1	69.1
87	26.3	22.2	33.4
59	10.6	10.0	15.0





#23

Vinyl Acetate

Concen: 234.603 ug/l

RT: 6.26 min Scan# 714

Delta R.T. 0.00 min

Lab File: VW008821.D

Acq: 26 Feb 2019 10:38

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 1398023

Ion Ratio Lower Upper

43 100

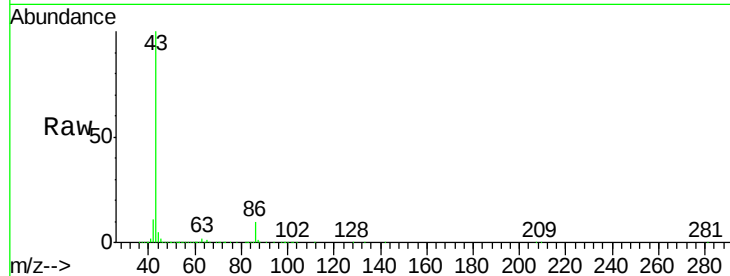
86 9.9 8.1 12.1

Manual Integrations

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Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 86.00 (85.70 to 86.70): VW

6.26

400000

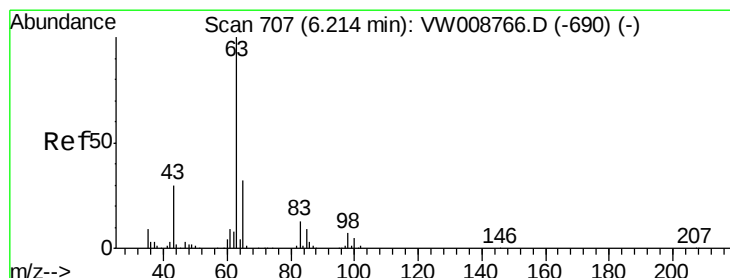
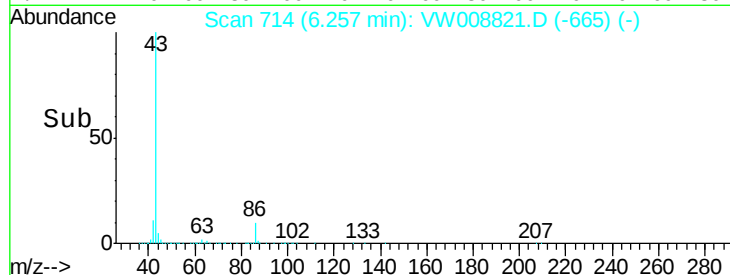
300000

200000

100000

0

Time-->



#24

1,1-Dichloroethane

Concen: 50.689 ug/l

RT: 6.21 min Scan# 707

Delta R.T. 0.00 min

Lab File: VW008821.D

Acq: 26 Feb 2019 10:38

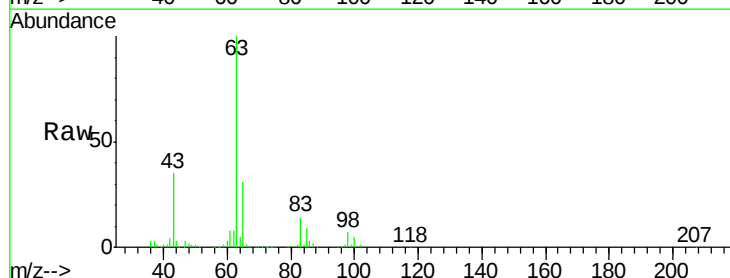
Tgt Ion: 63 Resp: 283301

Ion Ratio Lower Upper

63 100

98 7.2 3.5 10.6

100 4.9 2.4 7.2



Abundance Ion 62.90 (62.60 to 63.60): VW

Ion 97.90 (97.60 to 98.60): VW

Ion 99.90 (99.60 to 100.60): VW

6.21

120000

100000

80000

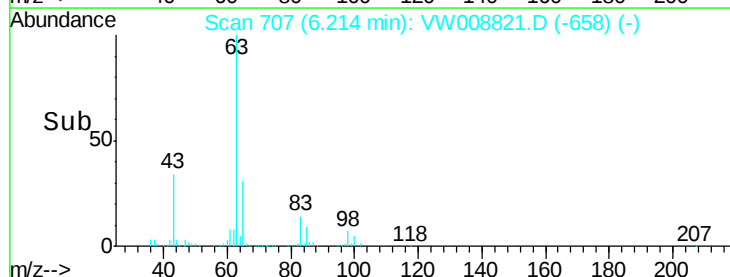
60000

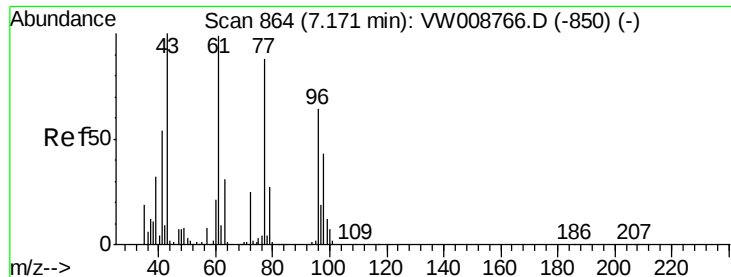
40000

20000

0

Time-->





#25

2-Butanone

Concen: 237.828 ug/l

RT: 7.17 min Scan# 864

Delta R.T. 0.00 min

Lab File: VW008821.D

Acq: 26 Feb 2019 10:38

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 231278

Ion Ratio Lower Upper

43 100

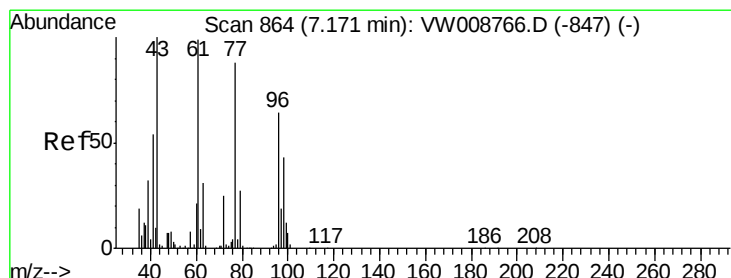
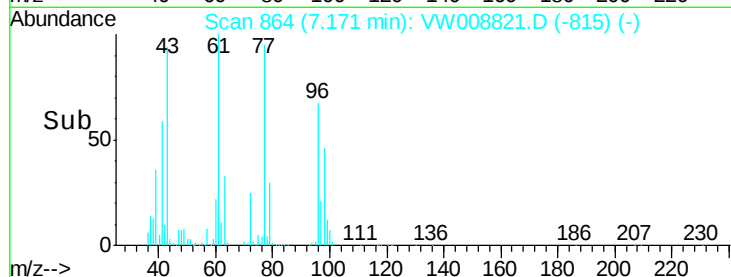
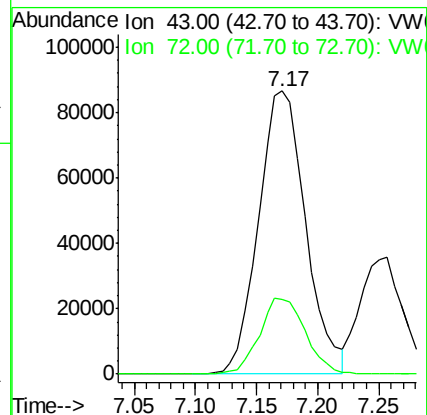
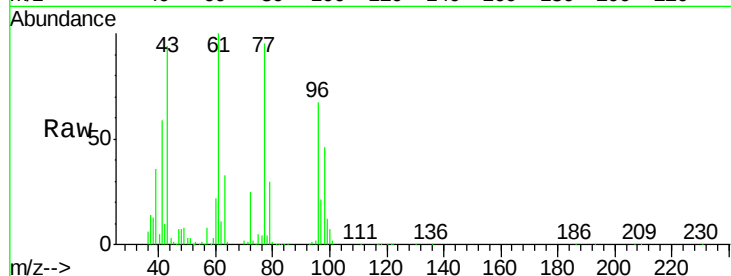
72 26.6 19.7 29.5

Manual Integrations

APPROVED

MMDadoda

2/27/2019 5:20:34 PM



#26

2,2-Dichloropropane

Concen: 52.450 ug/l

RT: 7.16 min Scan# 863

Delta R.T. -0.01 min

Lab File: VW008821.D

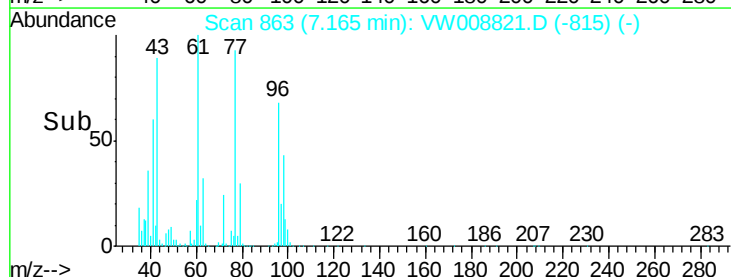
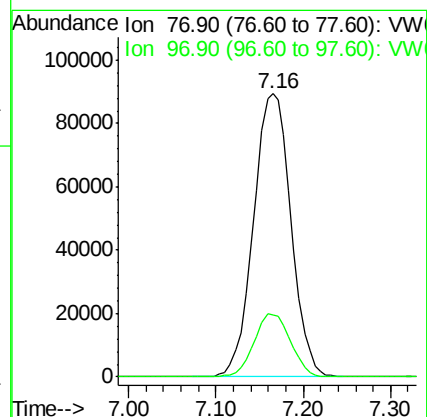
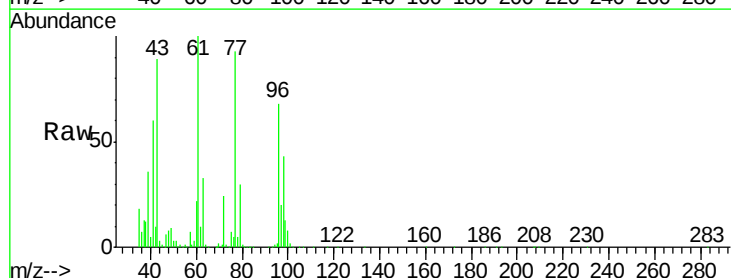
Acq: 26 Feb 2019 10:38

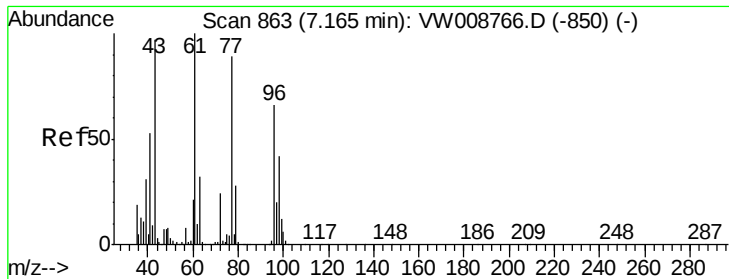
Tgt Ion: 77 Resp: 266138

Ion Ratio Lower Upper

77 100

97 21.9 11.0 33.0





#27

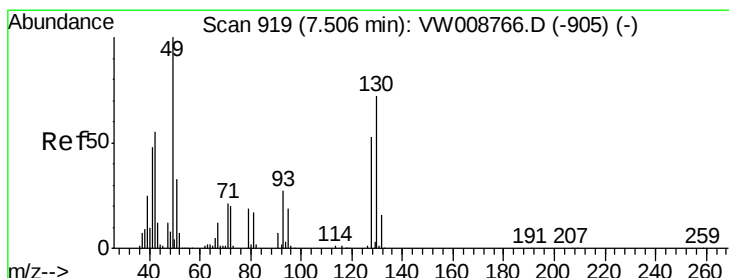
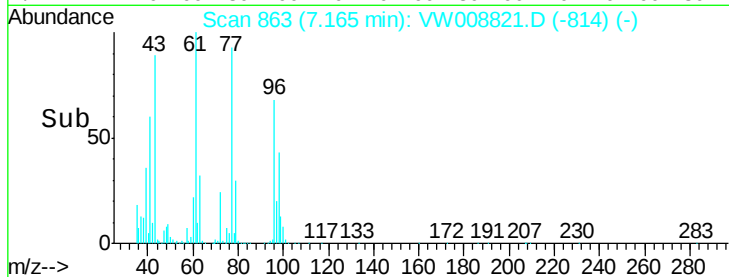
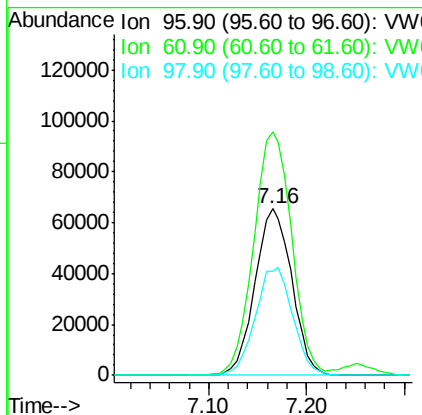
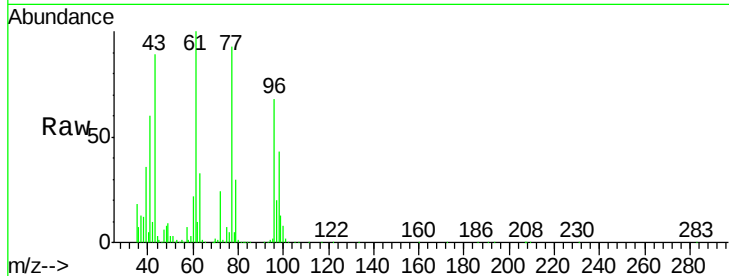
cis-1,2-Dichloroethene
 Concen: 49.446 ug/l
 RT: 7.16 min Scan# 863
 Delta R.T. 0.00 min
 Lab File: VW008821.D
 Acq: 26 Feb 2019 10:38

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
96	100		
61	150.7	0.0	302.6
98	65.6	0.0	130.0

Manual Integrations
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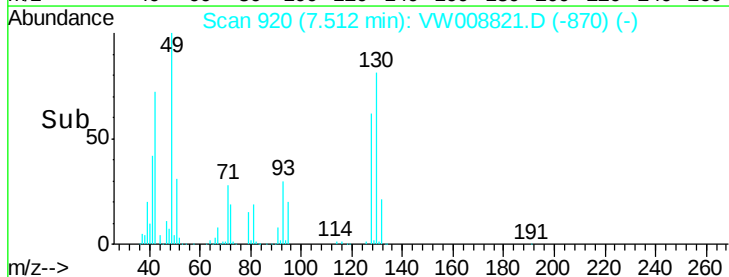
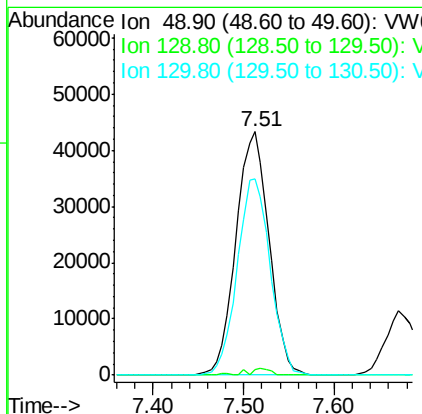
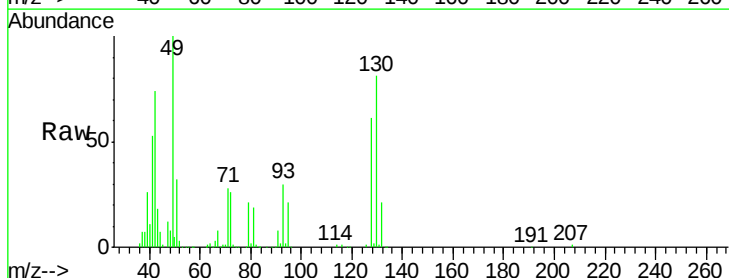
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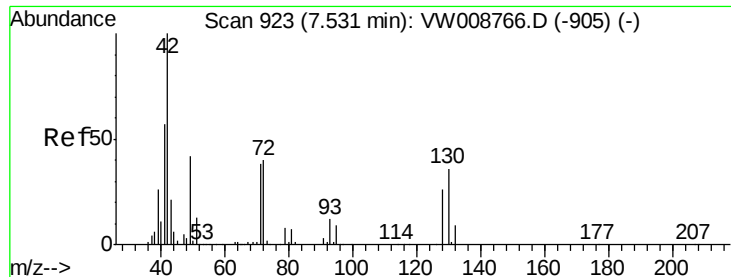


#28

Bromochloromethane
 Concen: 46.804 ug/l
 RT: 7.51 min Scan# 920
 Delta R.T. 0.01 min
 Lab File: VW008821.D
 Acq: 26 Feb 2019 10:38

Tgt Ion	Ratio	Lower	Upper
49	100		
129	1.7	0.0	2.6
130	80.5	61.3	91.9





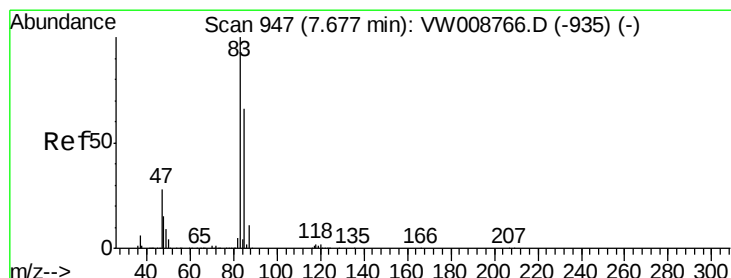
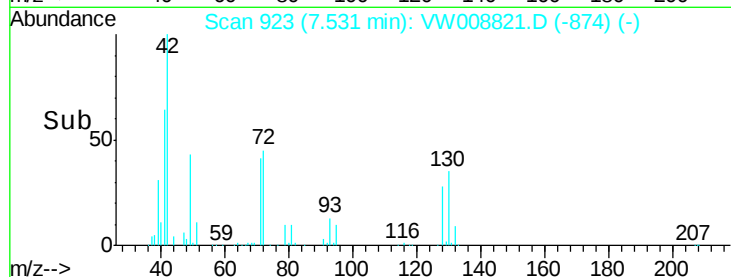
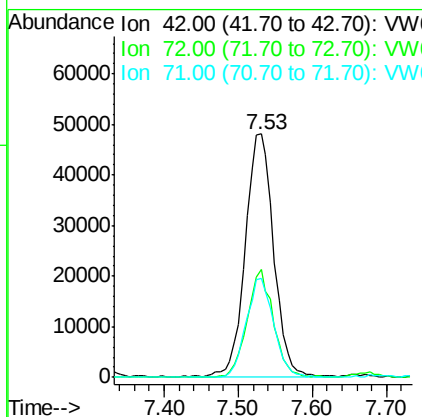
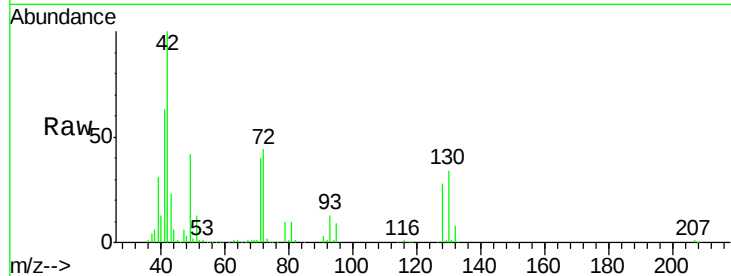
#29
Tetrahydrofuran
Concen: 207.509 ug/l
RT: 7.53 min Scan# 923
Delta R.T. 0.00 min
Lab File: VW008821.D
Acq: 26 Feb 2019 10:38

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
42	100		
72	40.7	32.7	49.1
71	39.6	31.3	46.9

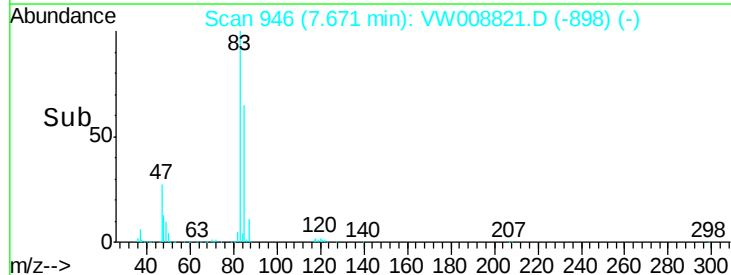
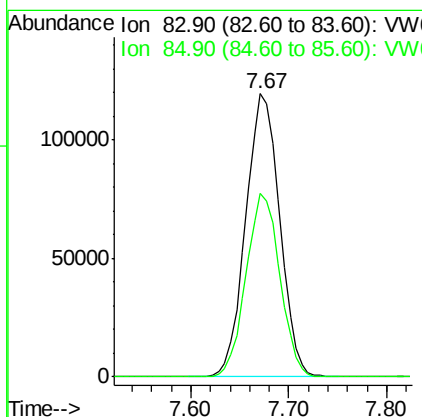
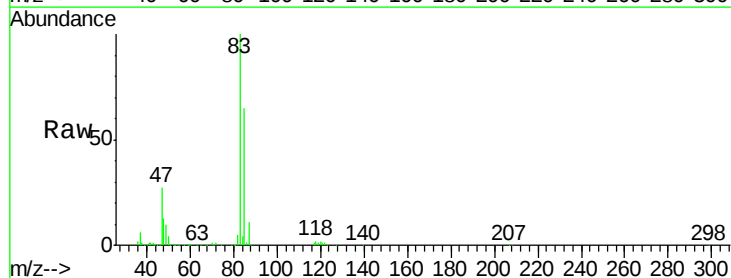
Manual Integrations
APPROVED

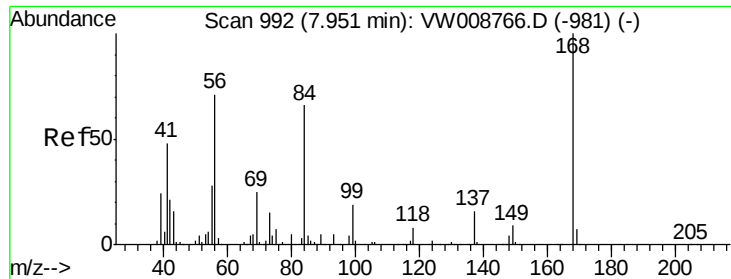
MMDadoda
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#30
Chloroform
Concen: 50.290 ug/l
RT: 7.67 min Scan# 946
Delta R.T. -0.01 min
Lab File: VW008821.D
Acq: 26 Feb 2019 10:38

Tgt Ion	Ratio	Lower	Upper
83	100		
85	64.8	52.6	79.0





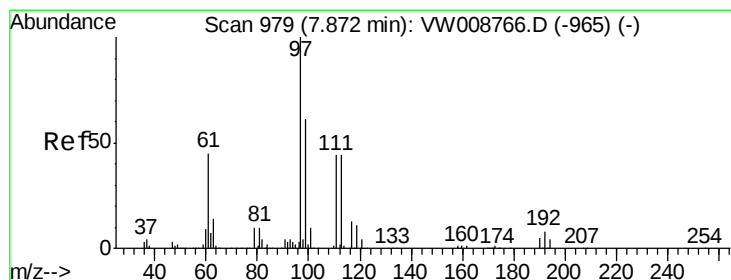
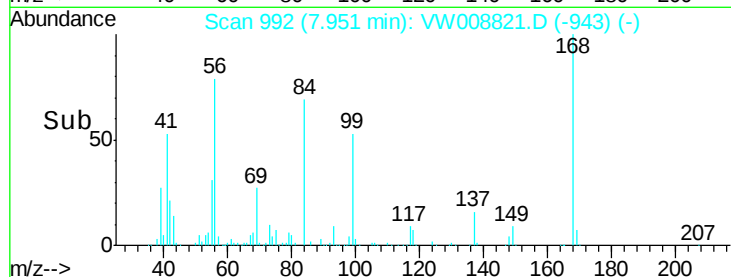
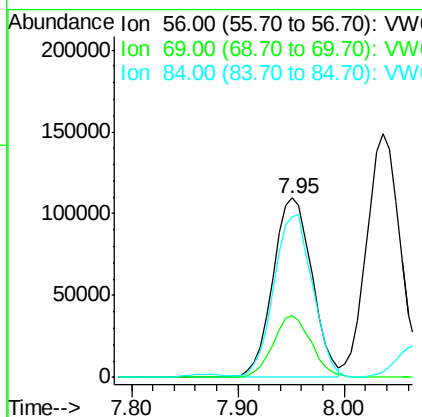
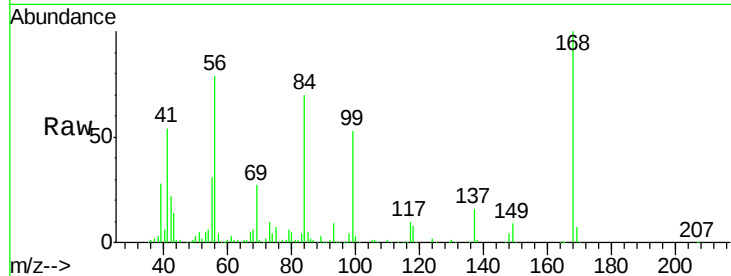
#31
Cyclohexane
Concen: 49.207 ug/l
RT: 7.95 min Scan# 992
Delta R.T. 0.00 min
Lab File: VW008821.D
Acq: 26 Feb 2019 10:38

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
56	100		
69	34.7	28.2	42.4
84	88.4	74.1	111.1

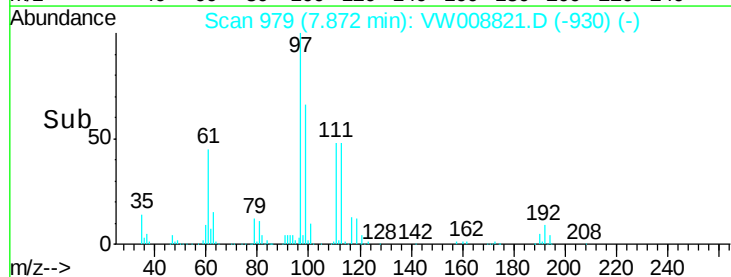
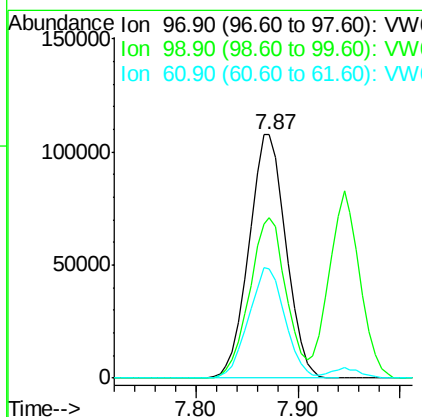
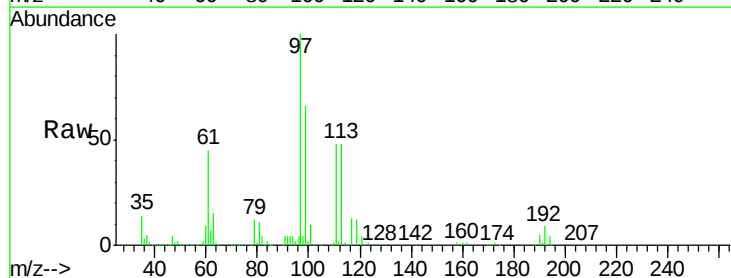
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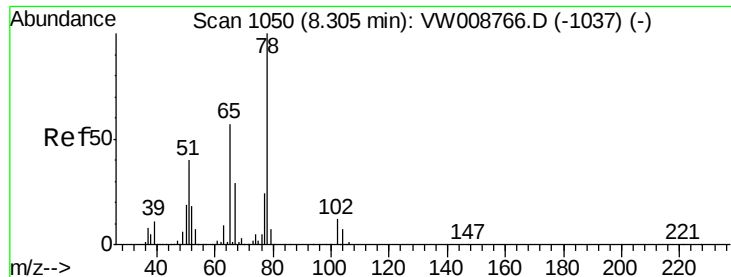
MMDadoda
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#32
1,1,1-Trichloroethane
Concen: 51.961 ug/l
RT: 7.87 min Scan# 979
Delta R.T. 0.00 min
Lab File: VW008821.D
Acq: 26 Feb 2019 10:38

Tgt Ion	Ratio	Lower	Upper
97	100		
99	65.2	50.8	76.2
61	44.8	36.0	54.0





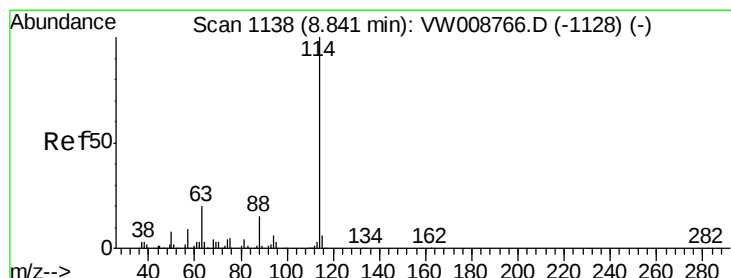
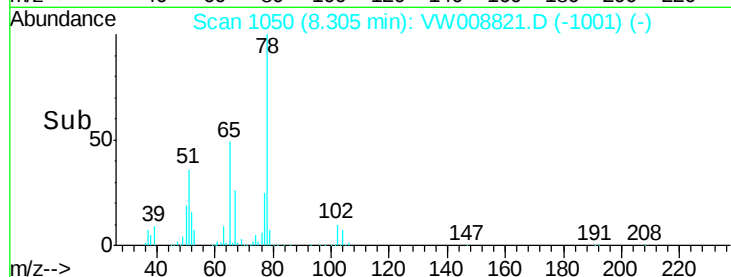
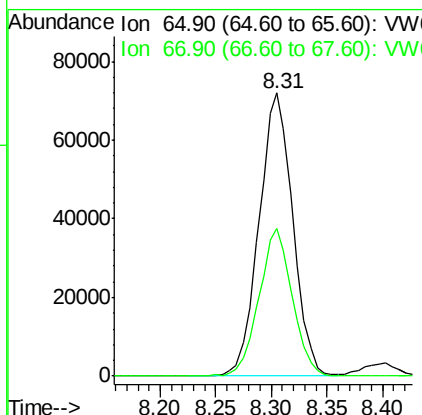
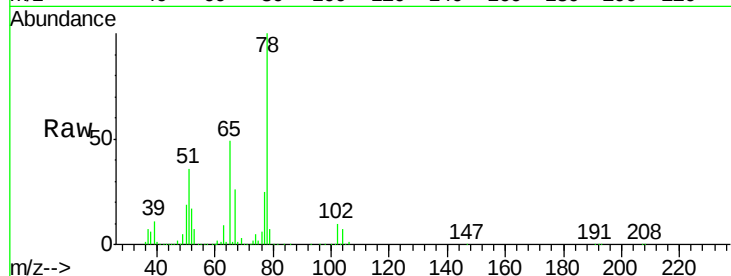
#33
 1,2-Dichloroethane-d4
 Concen: 50.660 ug/l
 RT: 8.31 min Scan# 1050
 Delta R.T. 0.00 min
 Lab File: VW008821.D
 Acq: 26 Feb 2019 10:38

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
65	100	152023		
67	51.5	0.0	101.4	

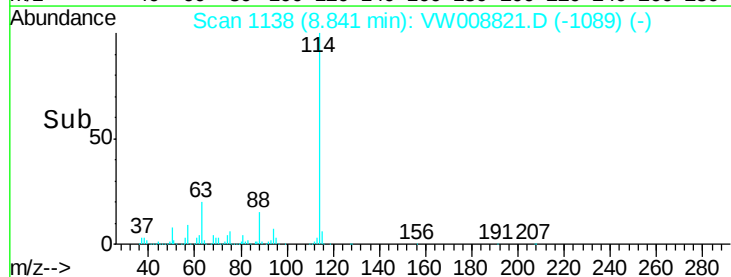
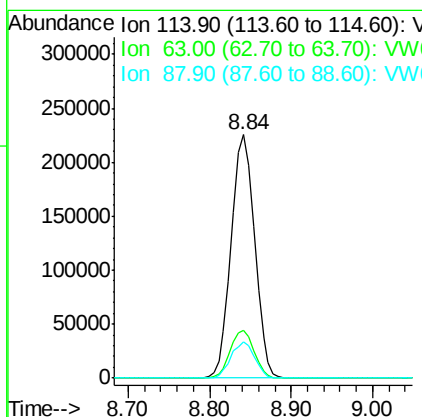
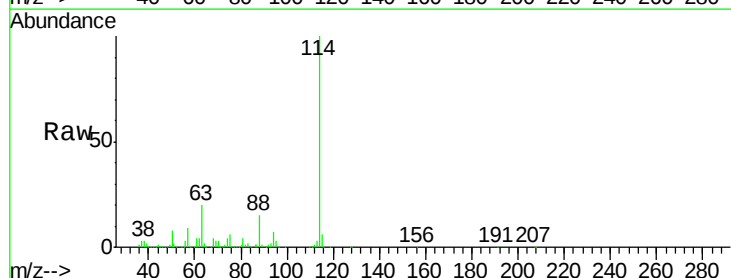
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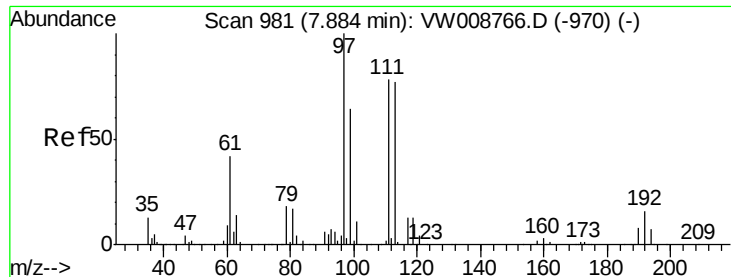
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1138
 Delta R.T. 0.00 min
 Lab File: VW008821.D
 Acq: 26 Feb 2019 10:38

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	447532		
63	19.7	0.0	40.8	
88	15.1	0.0	30.4	





#35

Dibromofluoromethane

Concen: 55.232 ug/l

RT: 7.88 min Scan# 981

Delta R.T. 0.00 min

Lab File: VW008821.D

Acq: 26 Feb 2019 10:38

Instrument :

MSVOA_W

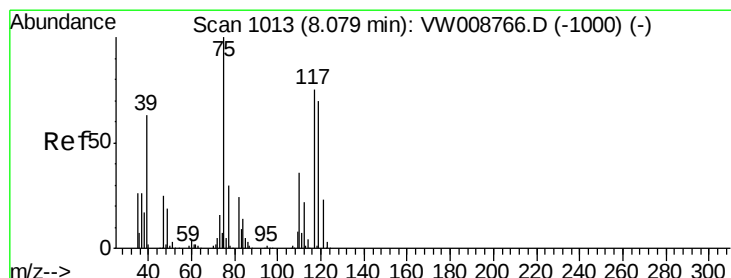
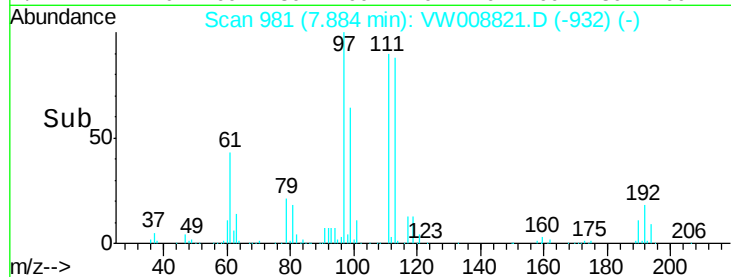
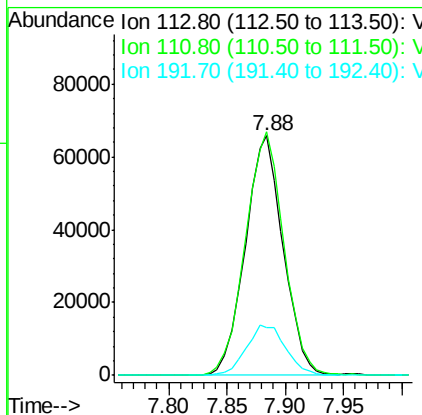
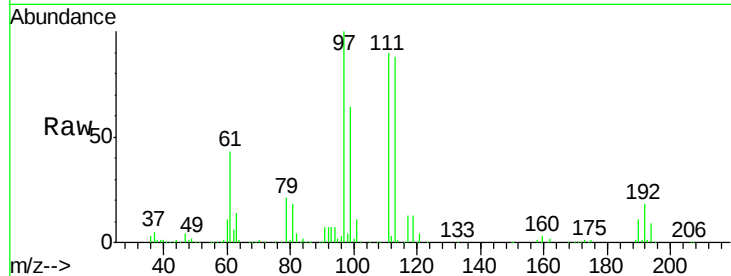
ClientSampleId :

VSTDCCC050

Tot Ion:	113	Resp:	148409
Ion Ratio	Lower	Upper	
113	100		
111	103.6	81.9	122.9
192	21.9	17.1	25.7

Manual Integrations
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#36

1,1-Dichloropropene

Concen: 53.449 ug/l

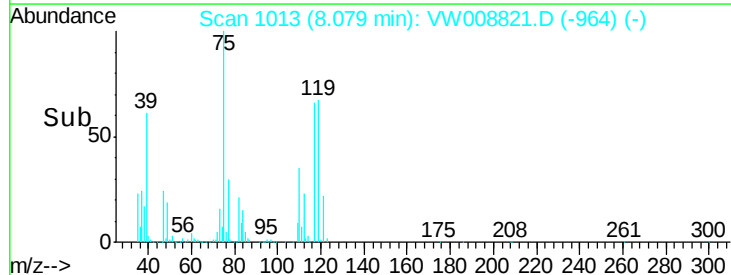
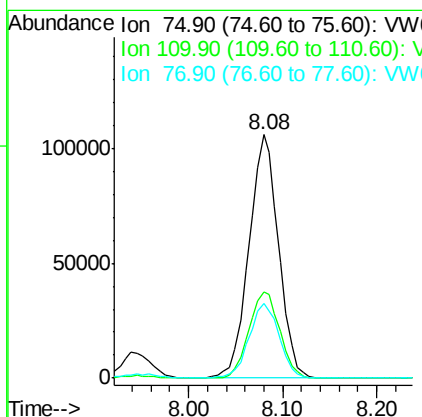
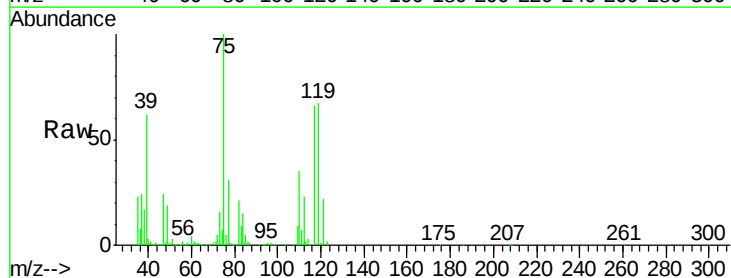
RT: 8.08 min Scan# 1013

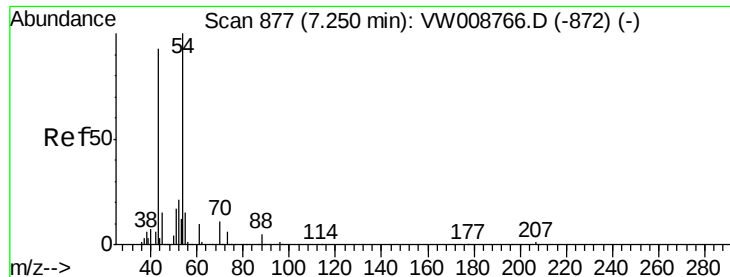
Delta R.T. 0.00 min

Lab File: VW008821.D

Acq: 26 Feb 2019 10:38

Tgt Ion:	75	Resp:	232846
Ion Ratio	Lower	Upper	
75	100		
110	37.0	17.5	52.6
77	31.5	24.5	36.7





#37

Ethyl Acetate

Concen: 44.109 ug/l

RT: 7.26 min Scan# 878

Delta R.T. 0.01 min

Lab File: VW008821.D

Acq: 26 Feb 2019 10:38

Instrument :

MSVOA_W

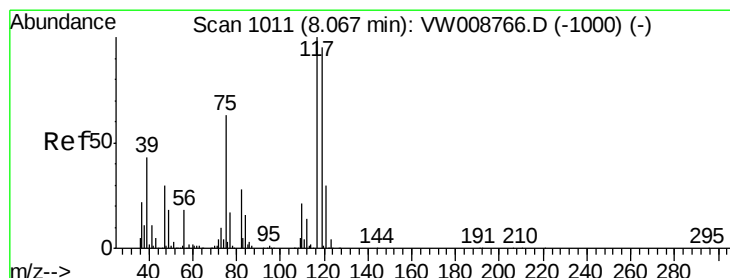
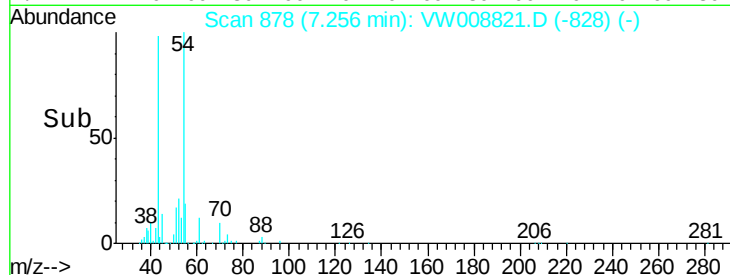
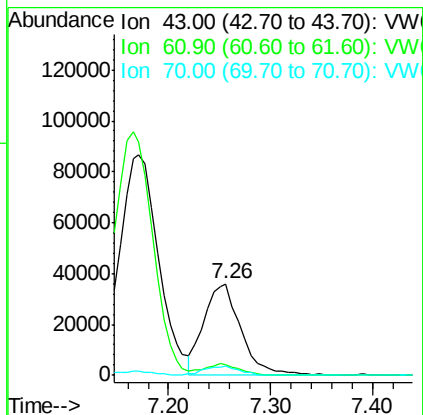
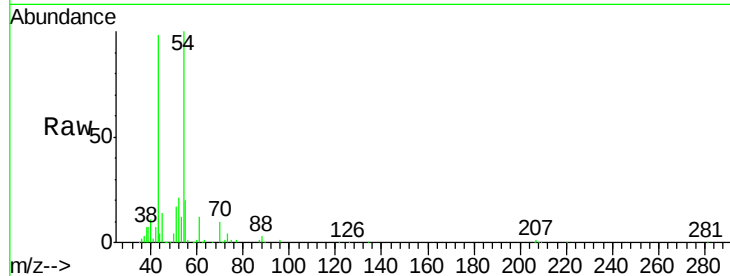
ClientSampleId :

VSTDCCC050

Tot Ion:	43	Resp:	89357
Ion	Ratio	Lower	Upper
43	100		
61	11.2	9.8	14.8
70	10.0	8.4	12.6

Manual Integrations
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#38

Carbon Tetrachloride

Concen: 54.237 ug/l

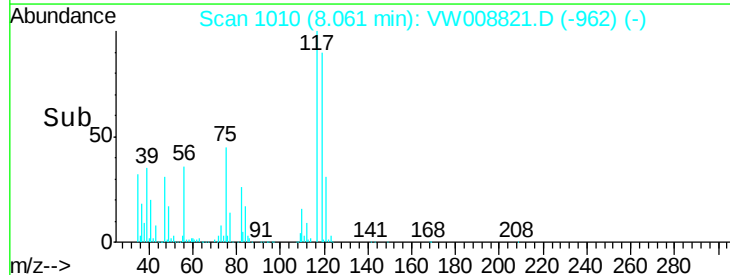
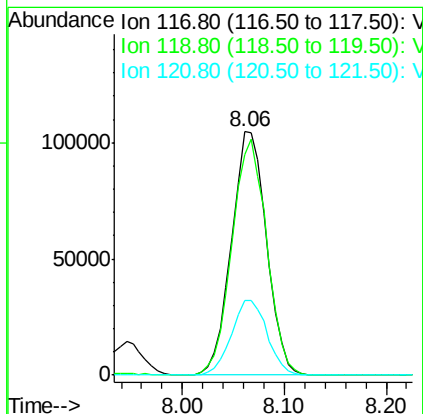
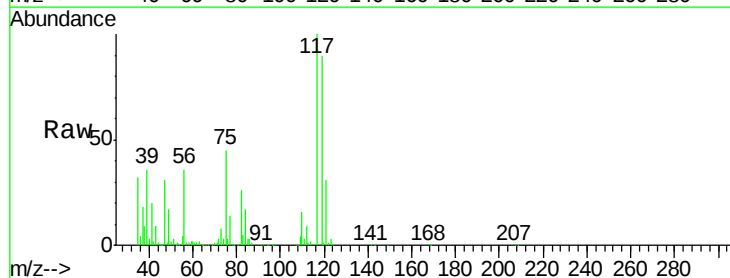
RT: 8.06 min Scan# 1010

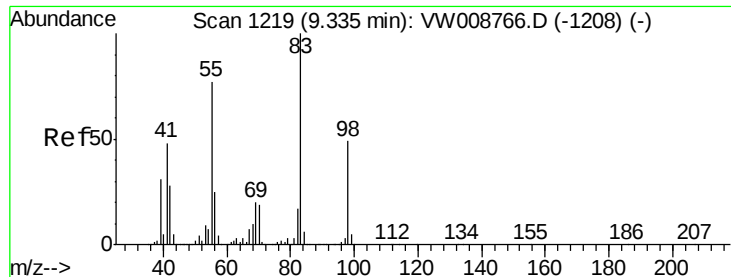
Delta R.T. -0.01 min

Lab File: VW008821.D

Acq: 26 Feb 2019 10:38

Tgt Ion:	117	Resp:	249180
Ion	Ratio	Lower	Upper
117	100		
119	90.4	76.1	114.1
121	30.5	24.0	36.0





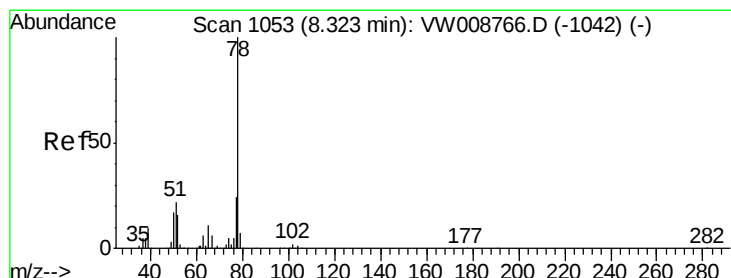
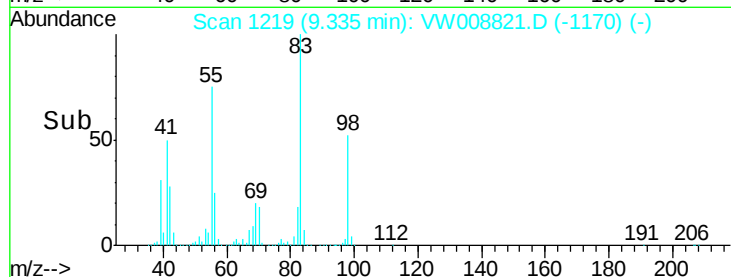
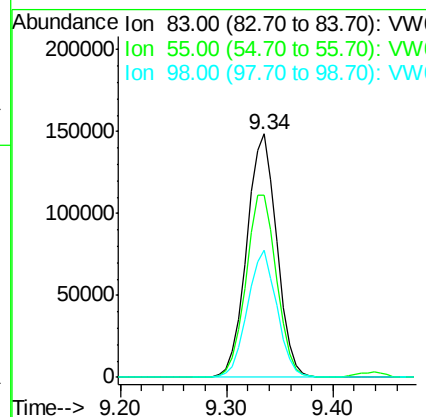
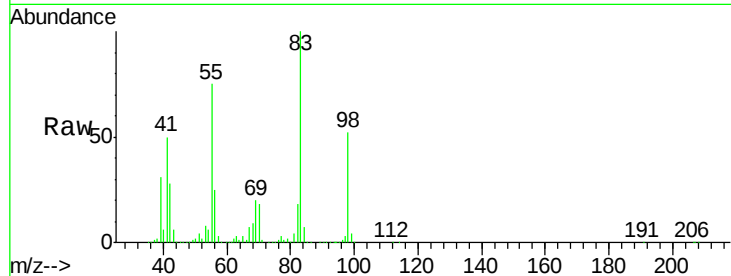
#39
Methvlcvclohexane
Concen: 54.307 ug/l
RT: 9.34 min Scan# 1219
Delta R.T. 0.00 min
Lab File: VW008821.D
Acq: 26 Feb 2019 10:38

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp Lower	Upper
83	100		
55	74.6	61.2	91.8
98	52.3	39.4	59.2

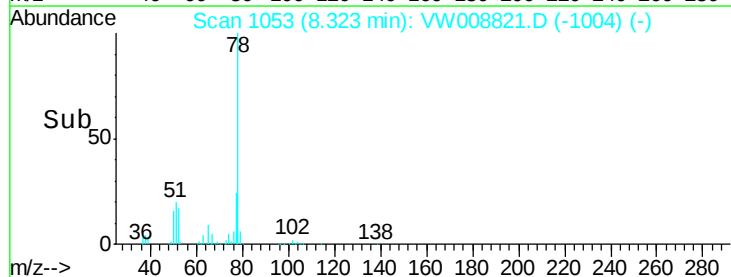
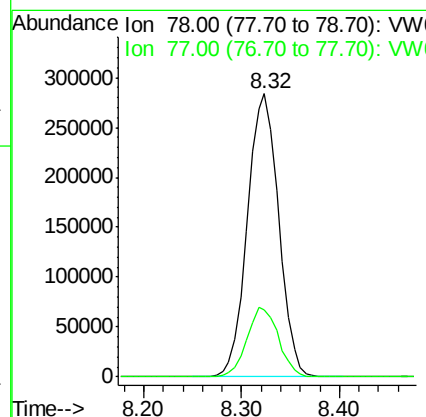
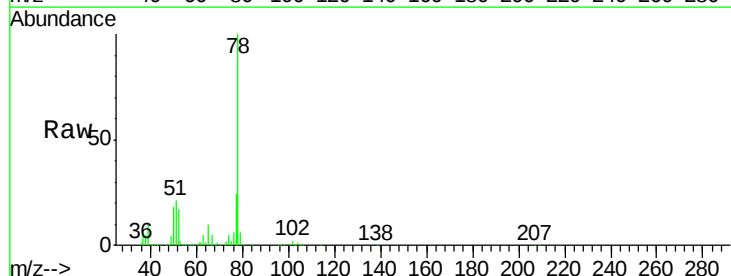
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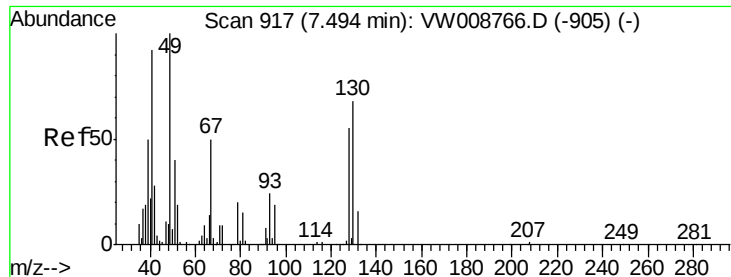
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#40
Benzene
Concen: 52.881 ug/l
RT: 8.32 min Scan# 1053
Delta R.T. 0.00 min
Lab File: VW008821.D
Acq: 26 Feb 2019 10:38

Tgt Ion	Ratio	Resp Lower	Upper
78	100		
77	23.8	19.3	28.9





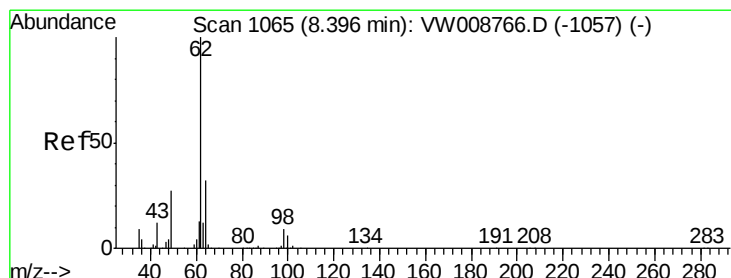
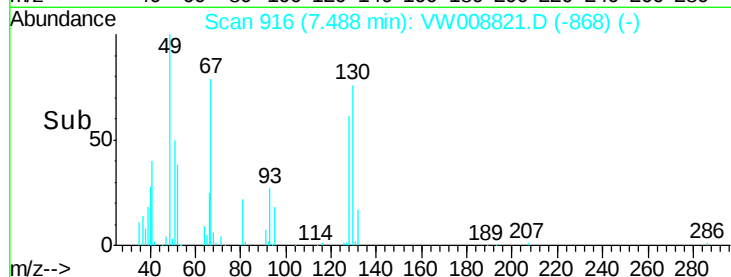
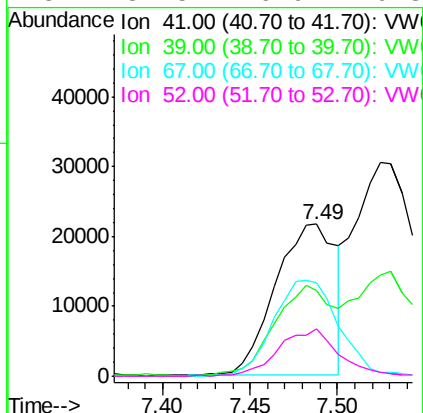
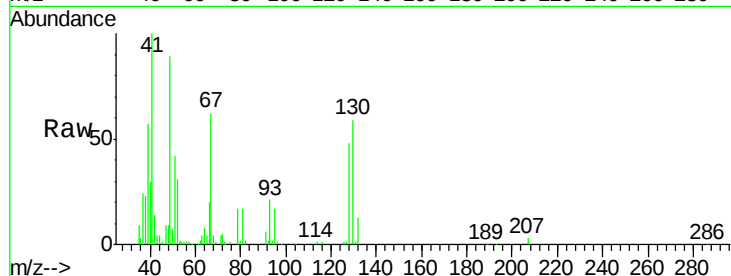
#41
Methacrylonitrile
Concen: 44.224 ug/l
RT: 7.49 min Scan# 916
Delta R.T. -0.01 min
Lab File: VW008821.D
Acq: 26 Feb 2019 10:38

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion:	41	Resp:	52662
Ion	Ratio	Lower	Upper
41	100		
39	58.5	52.5	78.7
67	68.2	55.0	82.6
52	31.5	26.9	40.3

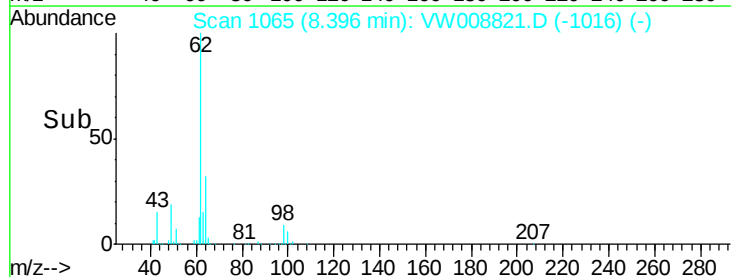
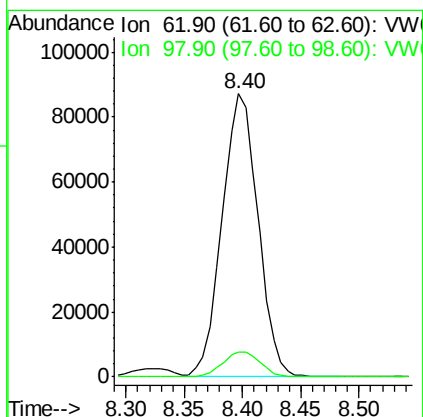
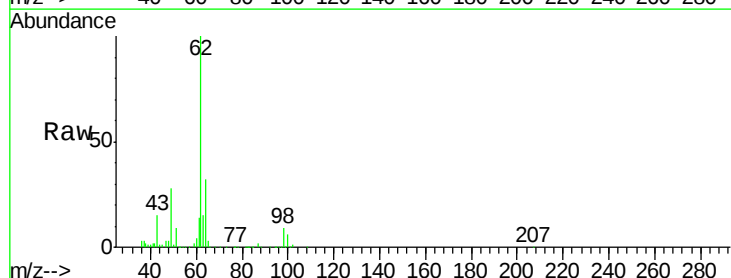
Manual Integrations
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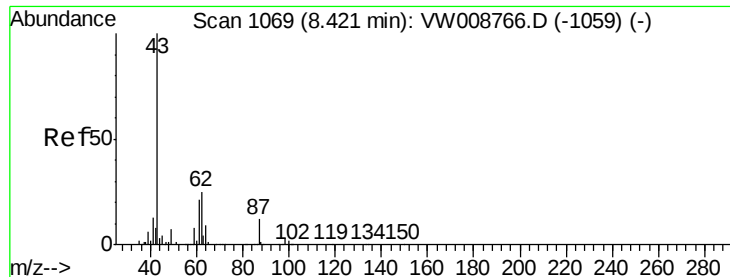
MMDadoda
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#42
1,2-Dichloroethane
Concen: 49.469 ug/l
RT: 8.40 min Scan# 1065
Delta R.T. 0.00 min
Lab File: VW008821.D
Acq: 26 Feb 2019 10:38

Tgt Ion:	62	Resp:	186393
Ion	Ratio	Lower	Upper
62	100		
98	9.3	0.0	18.2





#43

Isopropyl Acetate

Concen: 44.452 ug/l

RT: 8.42 min Scan# 1069

Delta R.T. 0.00 min

Lab File: VW008821.D

Acq: 26 Feb 2019 10:38

Instrument :

MSVOA_W

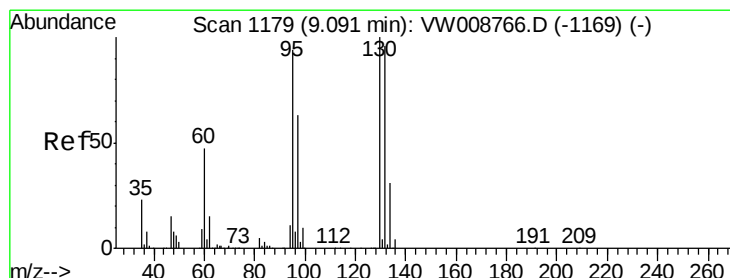
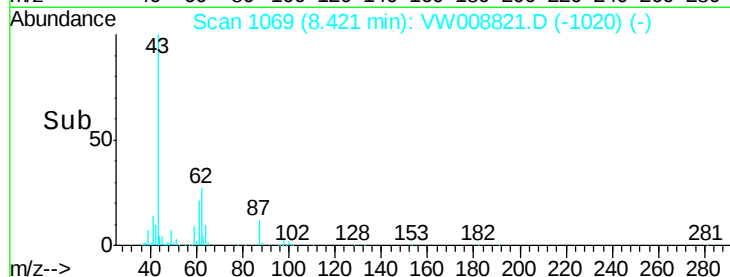
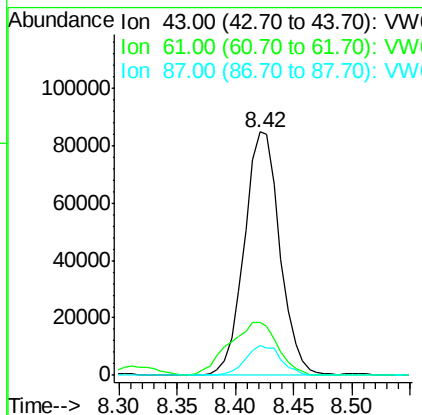
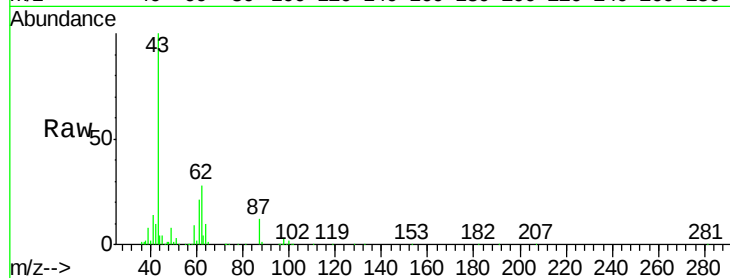
ClientSampleId :

VSTDCCC050

Tot Ion:	43	Resp:	179728
Ion	Ratio	Lower	Upper
43	100		
61	29.6	23.2	34.8
87	12.3	9.9	14.9

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#44

Trichloroethene

Concen: 53.146 ug/l

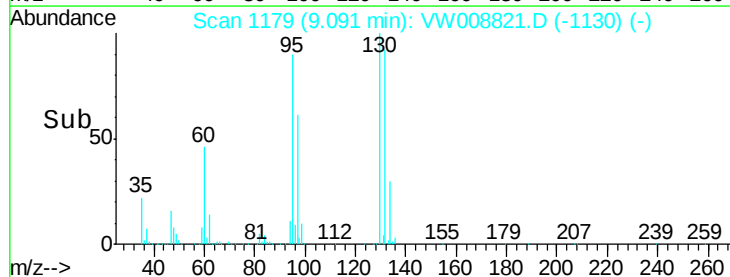
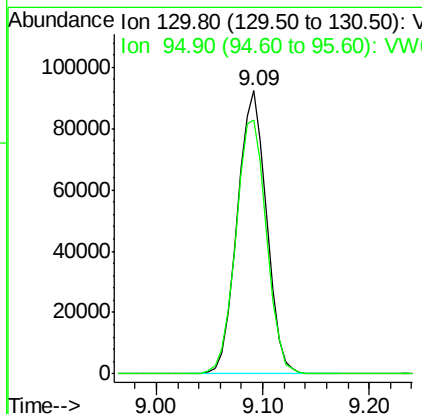
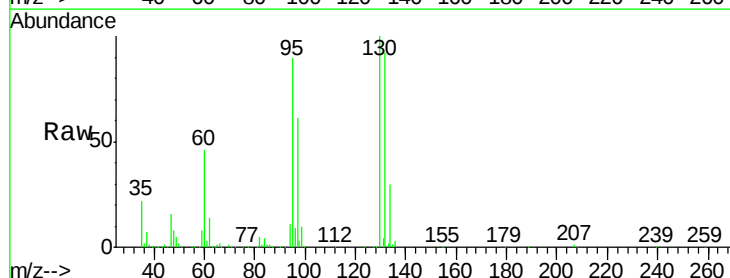
RT: 9.09 min Scan# 1179

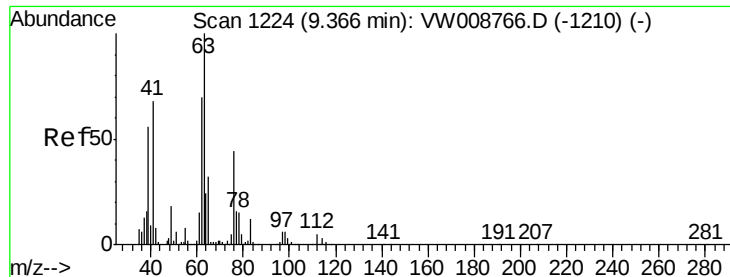
Delta R.T. 0.00 min

Lab File: VW008821.D

Acq: 26 Feb 2019 10:38

Tgt Ion:	130	Resp:	178079
Ion	Ratio	Lower	Upper
130	100		
95	89.7	0.0	188.6





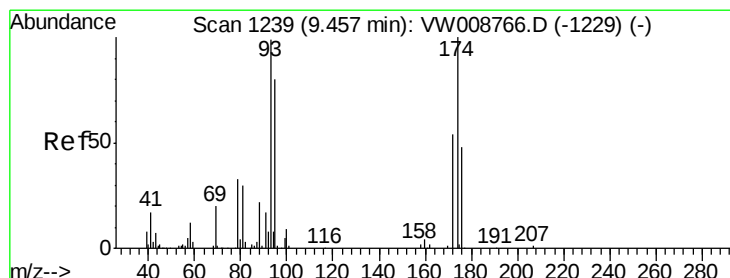
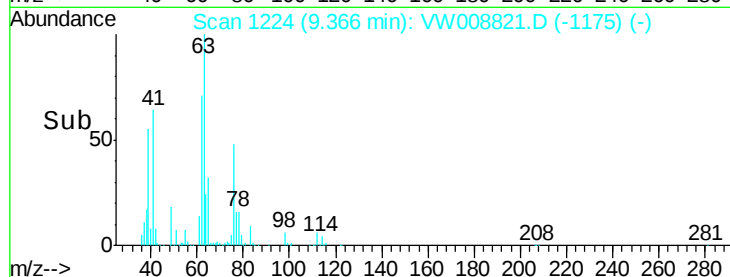
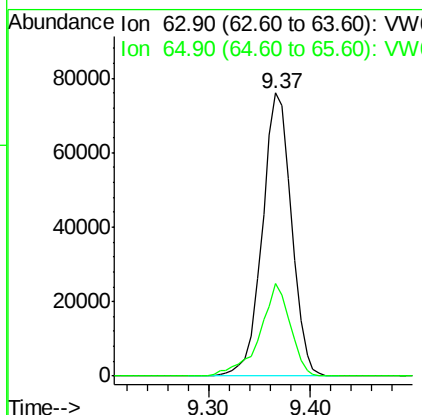
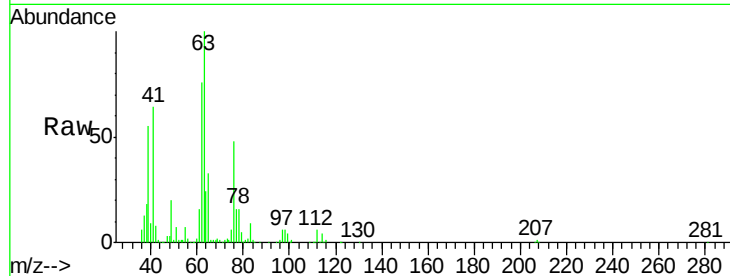
#45
 1,2-Dichloropropane
 Concen: 51.407 ug/l
 RT: 9.37 min Scan# 1224
 Delta R.T. 0.00 min
 Lab File: VW008821.D
 Acq: 26 Feb 2019 10:38

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
63	100		
65	32.7	25.5	38.3

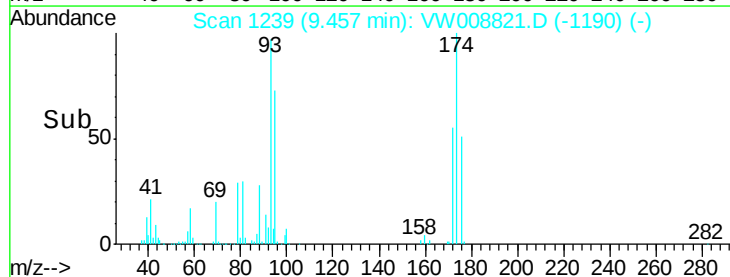
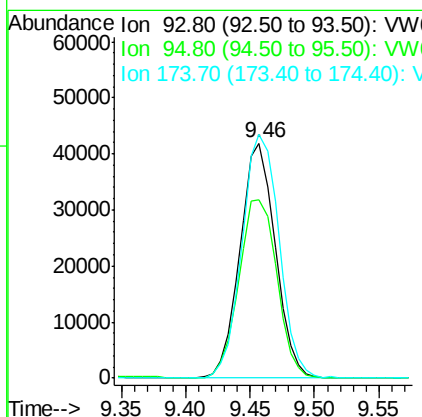
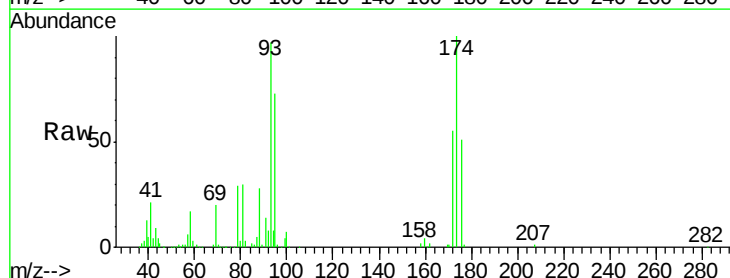
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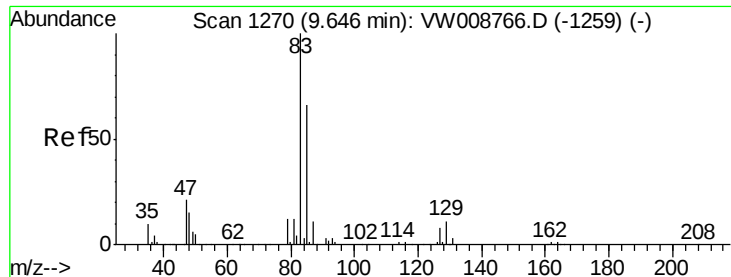
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 2/27/2019 5:20:34 PM



#46
 Dibromomethane
 Concen: 48.690 ug/l
 RT: 9.46 min Scan# 1239
 Delta R.T. 0.00 min
 Lab File: VW008821.D
 Acq: 26 Feb 2019 10:38

Tgt Ion	Ratio	Lower	Upper
93	100		
95	81.8	67.7	101.5
174	109.0	86.7	130.1





#47

Bromodichloromethane

Concen: 52.422 ug/l

RT: 9.64 min Scan# 1269

Delta R.T. -0.01 min

Lab File: VW008821.D

Acq: 26 Feb 2019 10:38

Instrument :

MSVOA_W

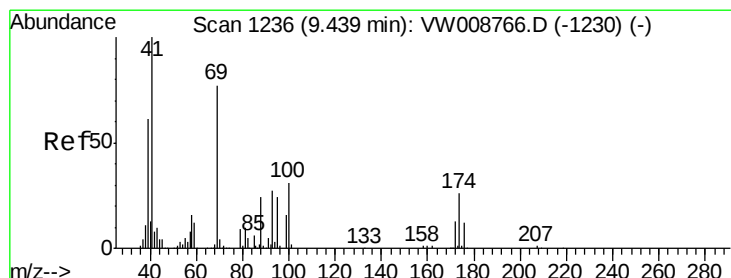
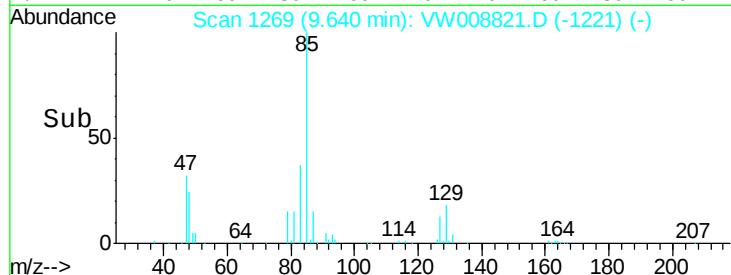
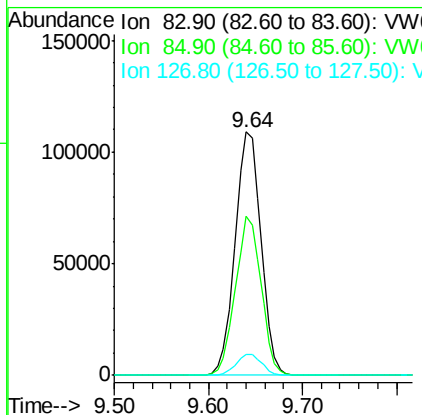
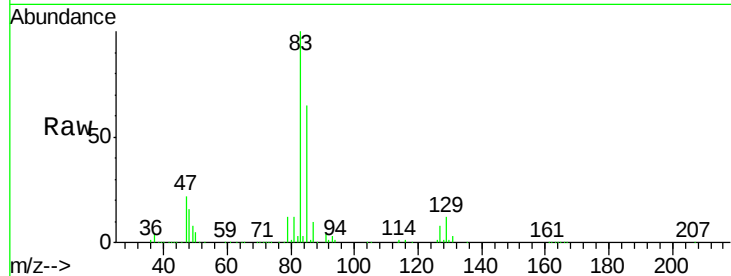
ClientSampleId :

VSTDCCC050

Tot Ion:	83	Resp:	208528
Ion	Ratio	Lower	Upper
83	100		
85	65.4	52.5	78.7
127	8.4	6.7	10.1

Manual Integrations
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#48

Methyl methacrylate

Concen: 47.019 ug/l

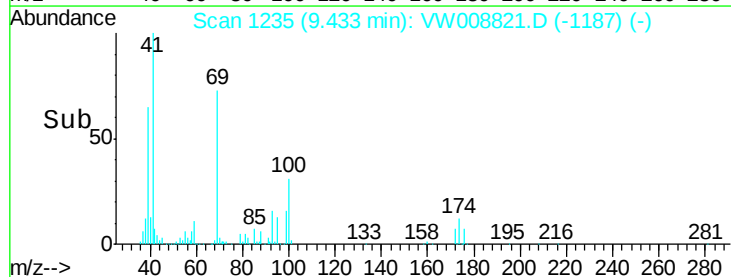
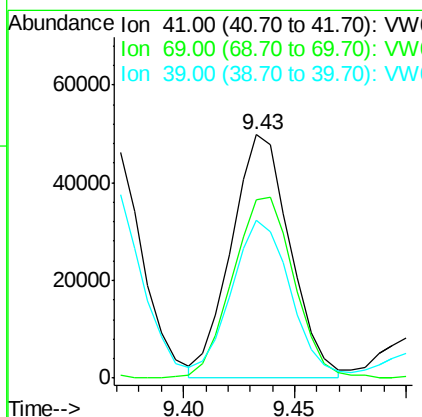
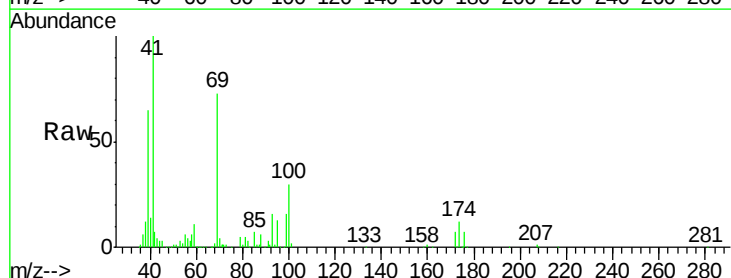
RT: 9.43 min Scan# 1235

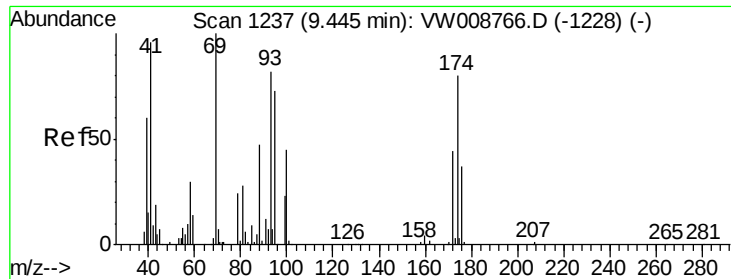
Delta R.T. -0.01 min

Lab File: VW008821.D

Acq: 26 Feb 2019 10:38

Tgt Ion:	41	Resp:	91050
Ion	Ratio	Lower	Upper
41	100		
69	78.4	63.6	95.4
39	60.7	52.1	78.1





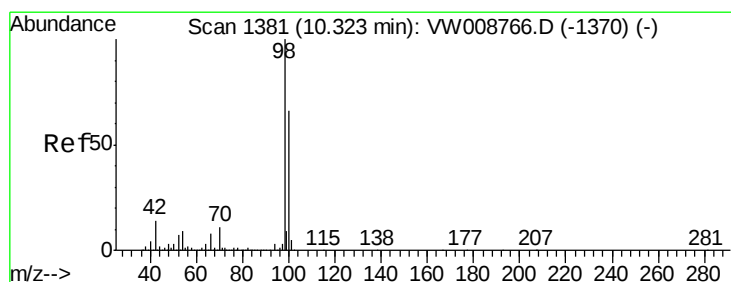
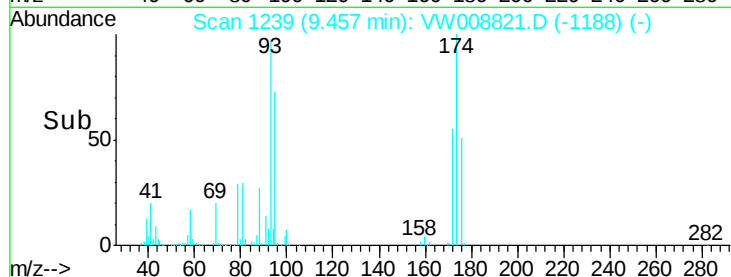
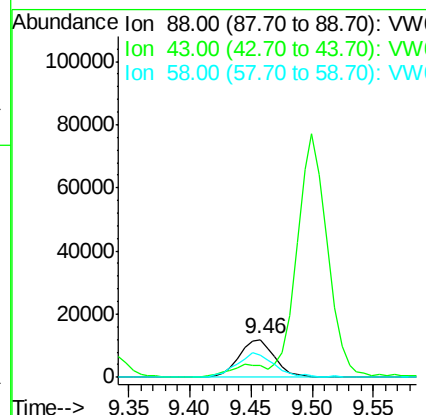
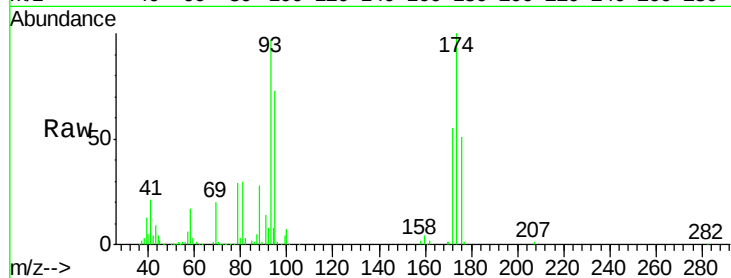
#49
1,4-Dioxane
Concen: 919.140 ug/l
RT: 9.46 min Scan# 1239
Delta R.T. 0.01 min
Lab File: VW008821.D
Acq: 26 Feb 2019 10:38

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
88	100		
43	34.4	29.0	43.4
58	71.0	52.0	78.0

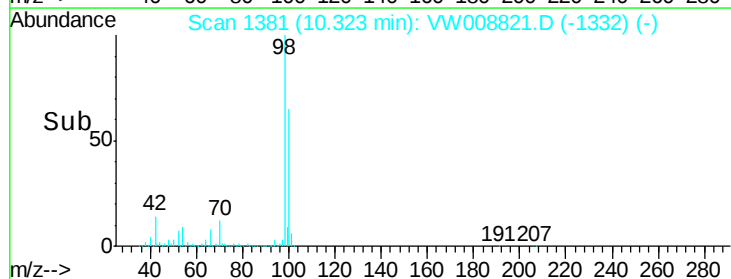
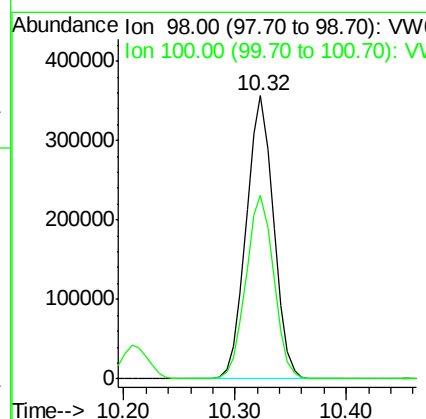
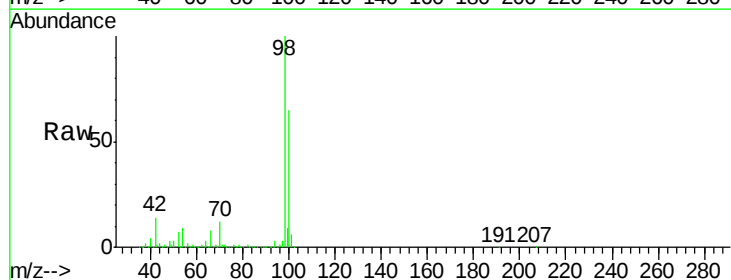
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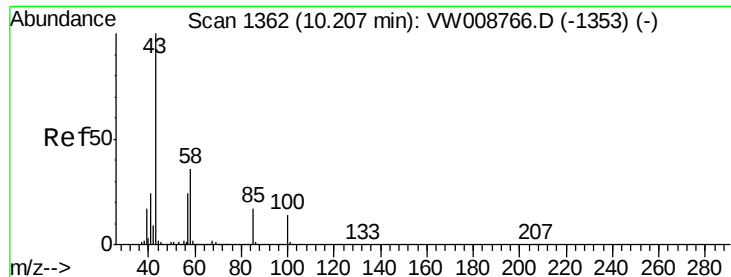
MMDadoda
2/27/2019 5:20:34 PM



#50
Toluene-d8
Concen: 58.630 ug/l
RT: 10.32 min Scan# 1381
Delta R.T. 0.00 min
Lab File: VW008821.D
Acq: 26 Feb 2019 10:38

Tgt Ion	Ratio	Lower	Upper
98	100		
100	65.6	52.4	78.6





#51

4-Methyl-2-Pentanone

Concen: 224.016 ug/l

RT: 10.21 min Scan# 1362

Delta R.T. 0.00 min

Lab File: VW008821.D

Acq: 26 Feb 2019 10:38

Instrument :

MSVOA_W

ClientSampled :

VSTDCCC050

Tot Ion: 43 Resp: 459843

Ion Ratio Lower Upper

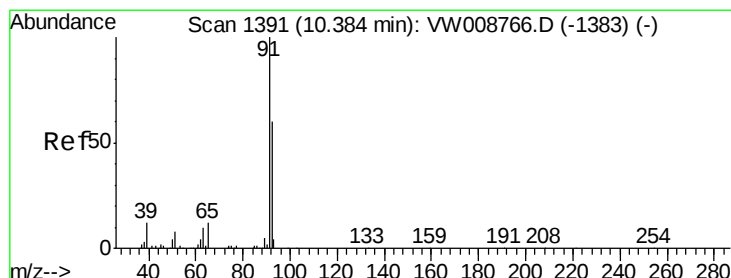
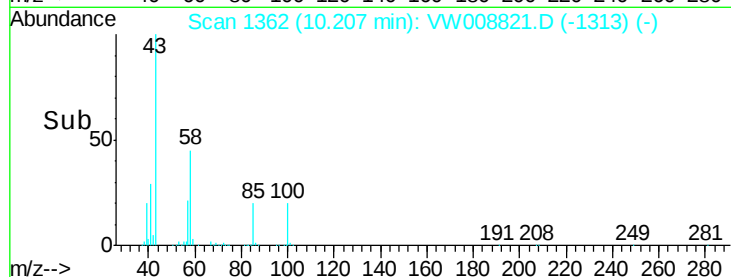
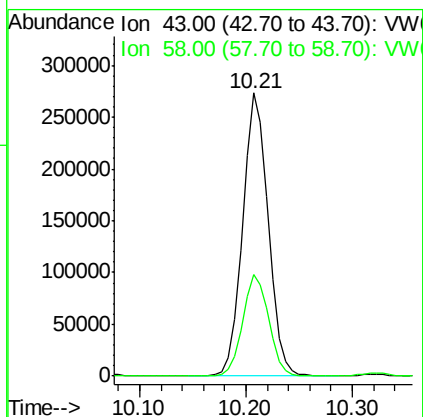
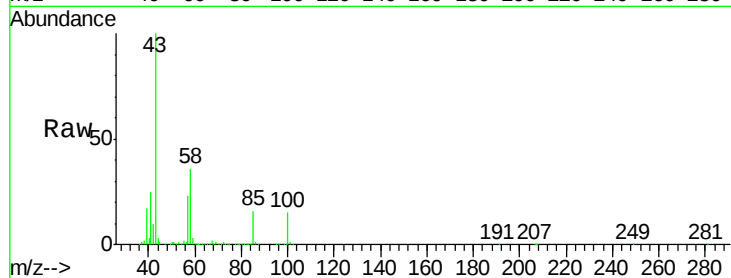
43 100

58 36.5 29.1 43.7

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#52

Toluene

Concen: 53.962 ug/l

RT: 10.38 min Scan# 1391

Delta R.T. 0.00 min

Lab File: VW008821.D

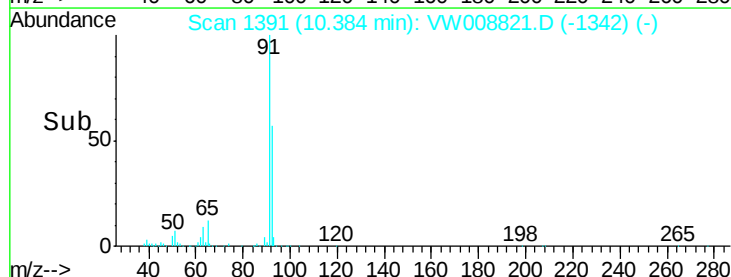
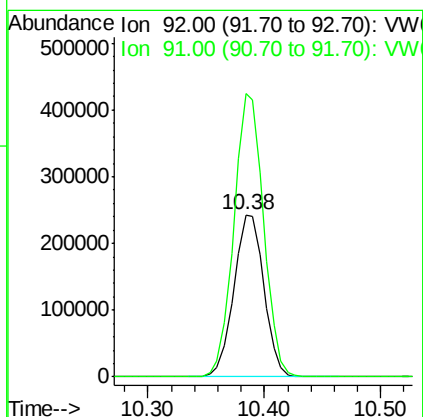
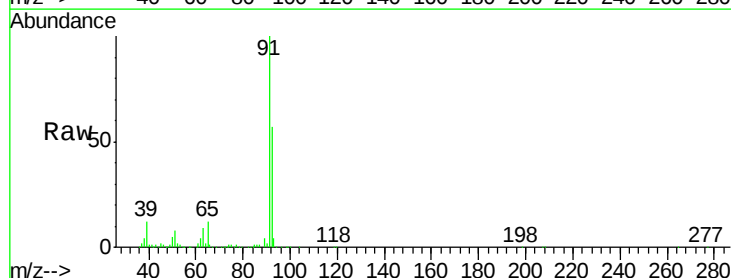
Acq: 26 Feb 2019 10:38

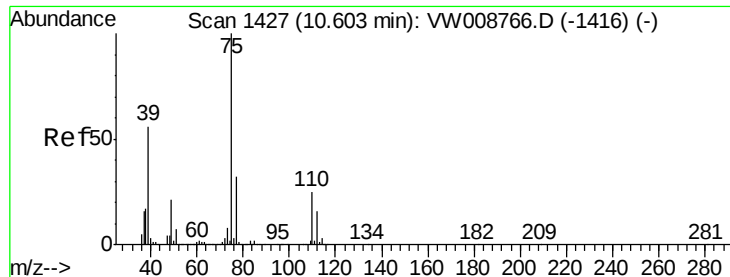
Tgt Ion: 92 Resp: 435606

Ion Ratio Lower Upper

92 100

91 172.9 136.9 205.3





#53

t-1,3-Dichloropropene

Concen: 50.986 ug/l

RT: 10.60 min Scan# 1427

Delta R.T. 0.00 min

Lab File: VW008821.D

Acq: 26 Feb 2019 10:38

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

Tot Ion: 75 Resp: 206722

Ion Ratio Lower Upper

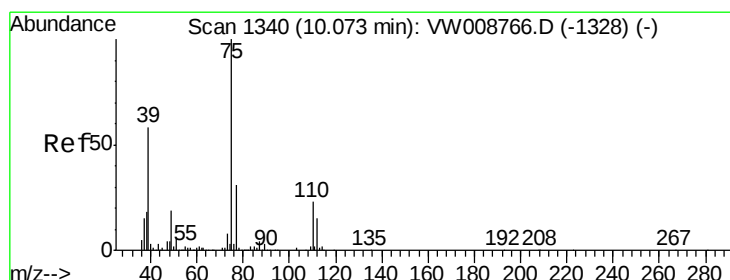
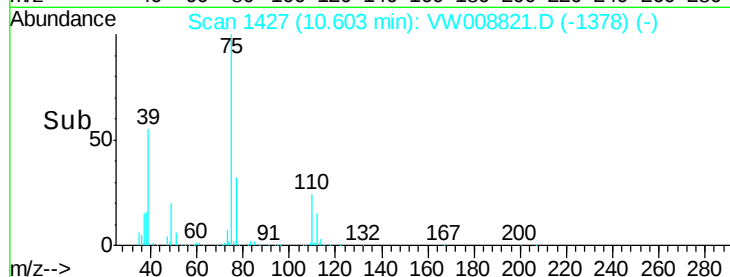
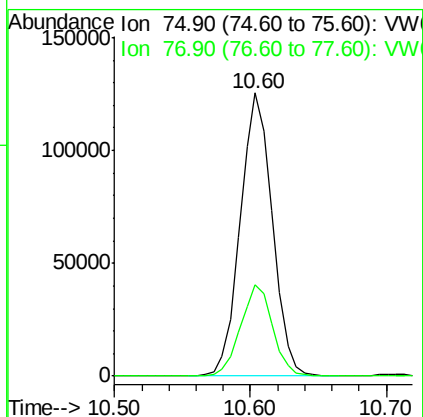
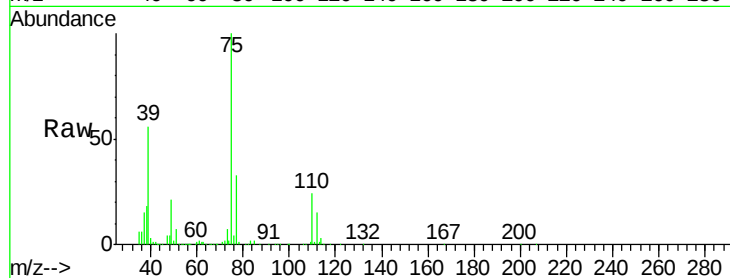
75 100

77 32.4 26.1 39.1

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#54

cis-1,3-Dichloropropene

Concen: 52.723 ug/l

RT: 10.07 min Scan# 1340

Delta R.T. 0.00 min

Lab File: VW008821.D

Acq: 26 Feb 2019 10:38

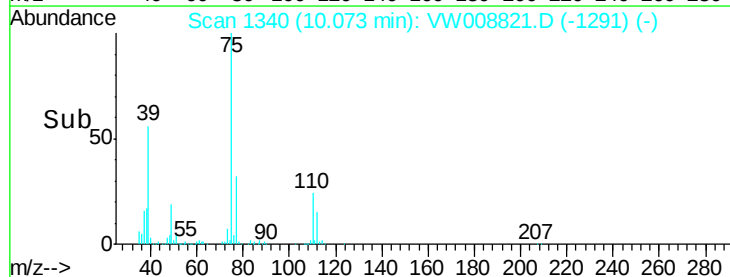
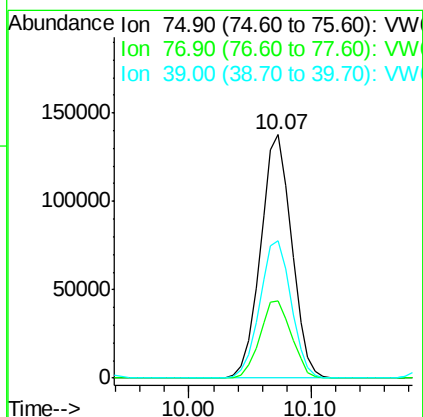
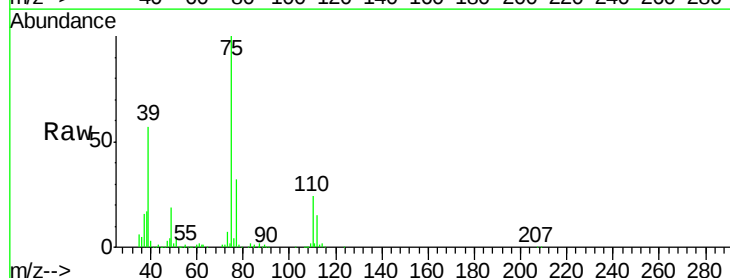
Tgt Ion: 75 Resp: 243802

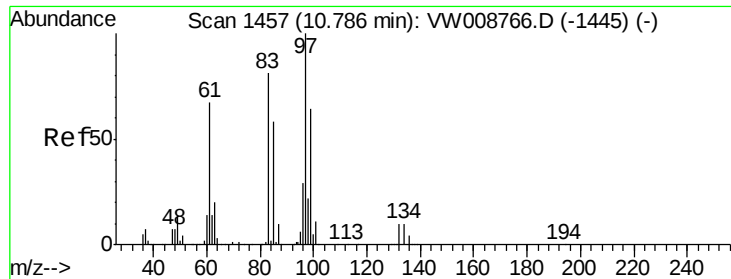
Ion Ratio Lower Upper

75 100

77 31.5 25.0 37.4

39 56.4 46.6 70.0





#55

1,1,2-Trichloroethane

Concen: 48.623 ug/l

RT: 10.79 min Scan# 1457

Delta R.T. 0.00 min

Lab File: VW008821.D

Acq: 26 Feb 2019 10:38

Instrument :

MSVOA_W

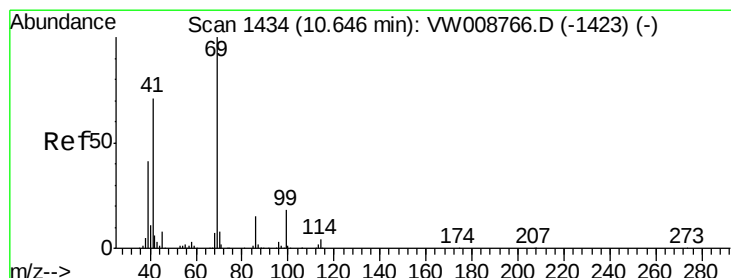
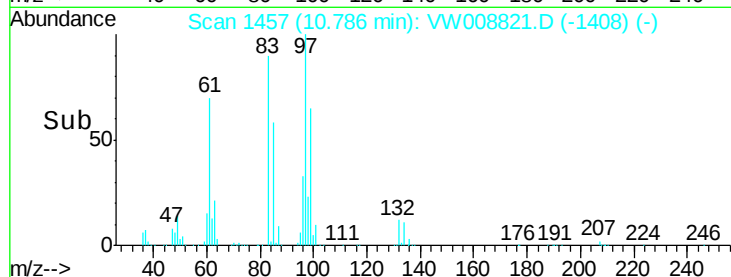
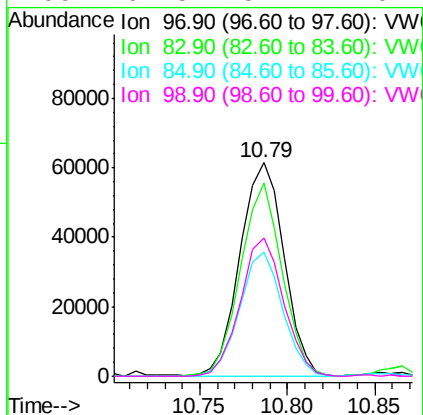
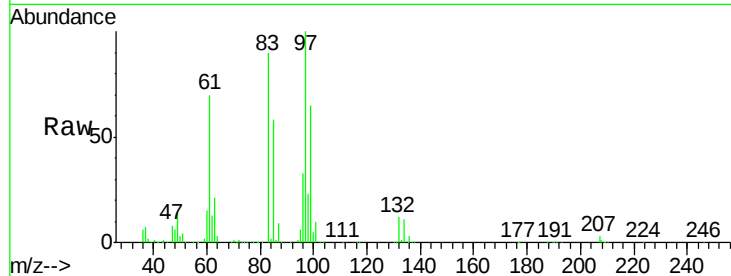
ClientSampleId :

VSTDCCC050

Tot Ion	97	Resp	107808
Ion	Ratio	Lower	Upper
97	100		
83	90.2	65.0	97.6
85	57.8	46.0	69.0
99	64.5	51.1	76.7

Manual Integrations
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#56

Ethyl methacrylate

Concen: 48.845 ug/l

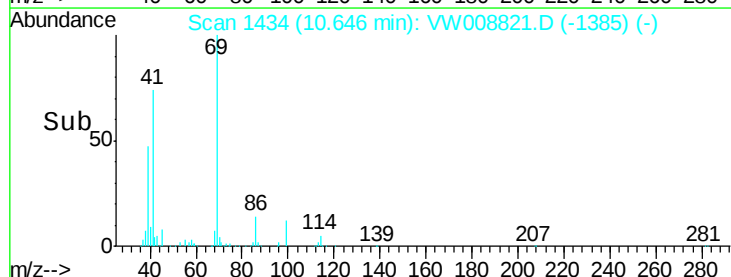
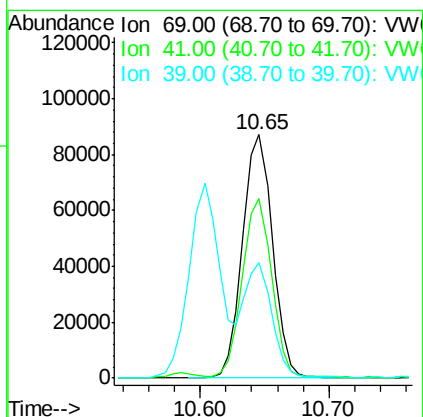
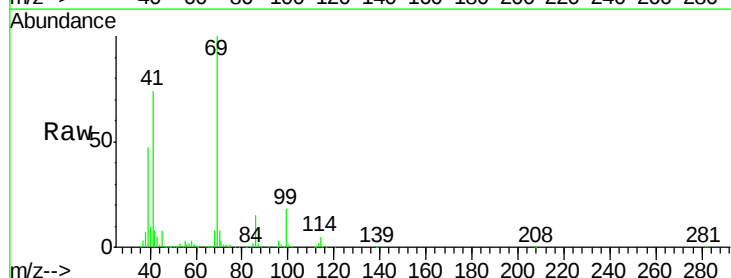
RT: 10.65 min Scan# 1434

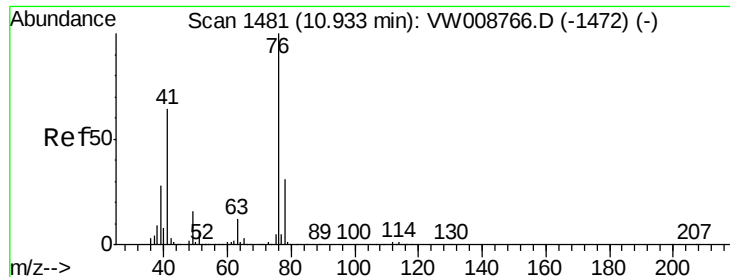
Delta R.T. 0.00 min

Lab File: VW008821.D

Acq: 26 Feb 2019 10:38

Tgt Ion	69	Resp	140706
Ion	Ratio	Lower	Upper
69	100		
41	71.7	57.4	86.0
39	41.9	34.8	52.2





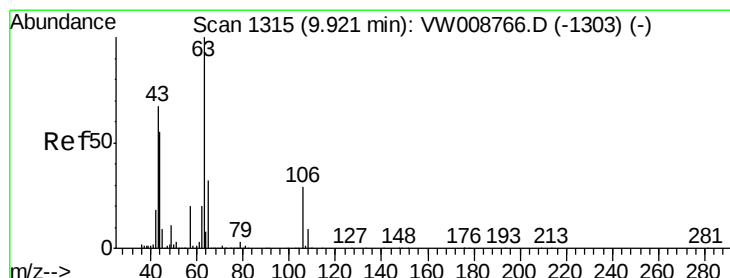
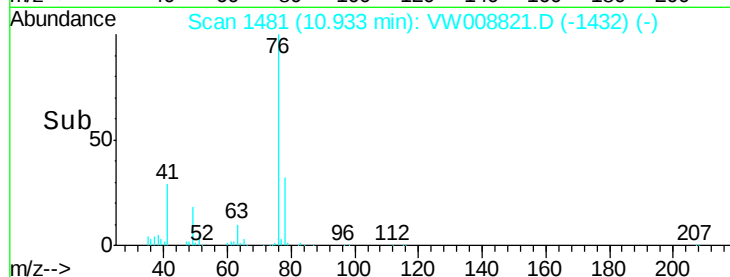
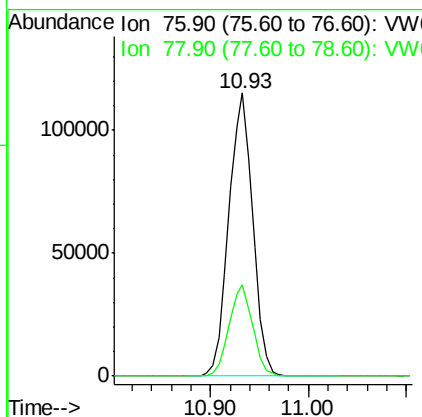
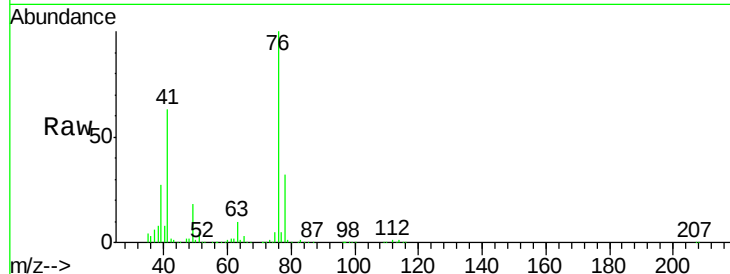
#57
 1,3-Dichloropropane
 Concen: 49.745 ug/l
 RT: 10.93 min Scan# 1481
 Delta R.T. 0.00 min
 Lab File: VW008821.D
 Acq: 26 Feb 2019 10:38

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

Tot Ion: 76 Resp: 194742
 Ion Ratio Lower Upper
 76 100
 78 31.7 25.8 38.8

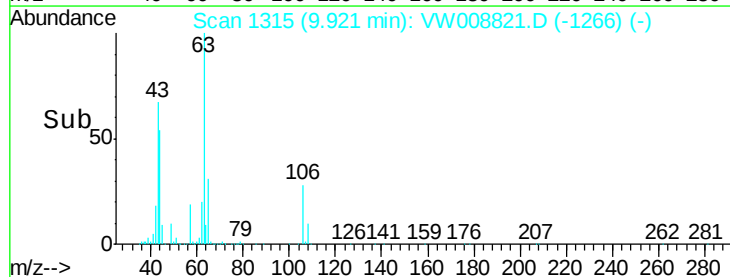
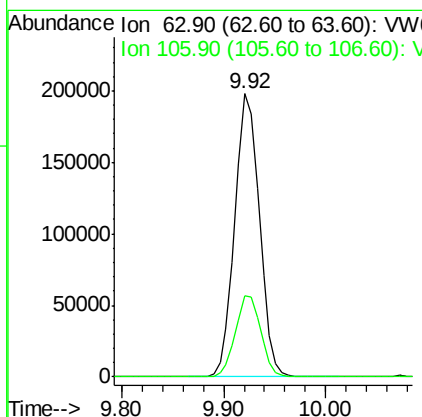
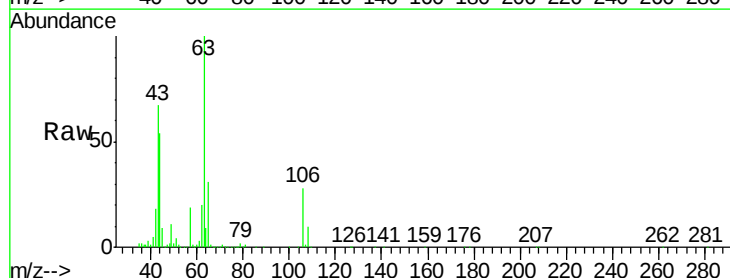
Manual Integrations
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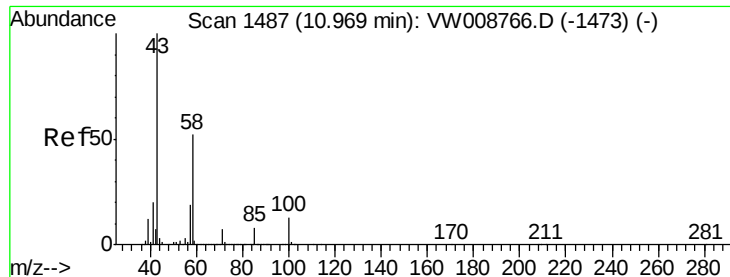
MMDadoda
 2/27/2019 5:20:34 PM



#58
 2-Chloroethyl Vinyl ether
 Concen: 228.727 ug/l
 RT: 9.92 min Scan# 1315
 Delta R.T. 0.00 min
 Lab File: VW008821.D
 Acq: 26 Feb 2019 10:38

Tgt Ion: 63 Resp: 331383
 Ion Ratio Lower Upper
 63 100
 106 29.3 24.0 36.0





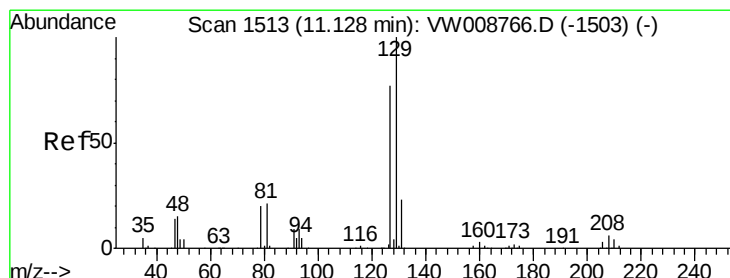
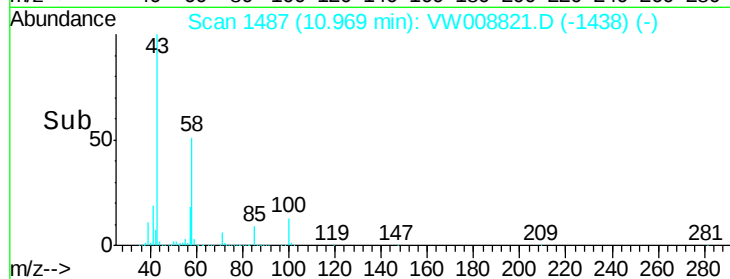
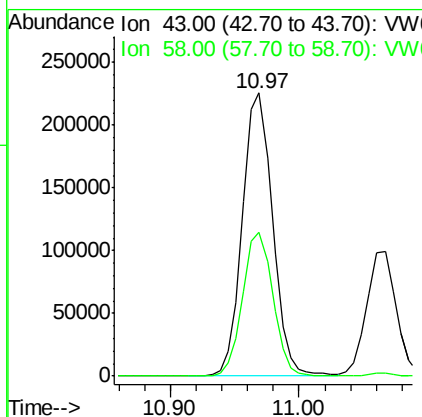
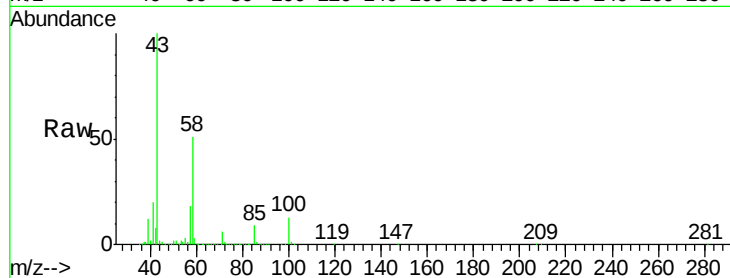
#59
2-Hexanone
Concen: 250.406 ug/l
RT: 10.97 min Scan# 1487
Delta R.T. 0.00 min
Lab File: VW008821.D
Acq: 26 Feb 2019 10:38

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
43	100		
58	51.2	25.3	75.8

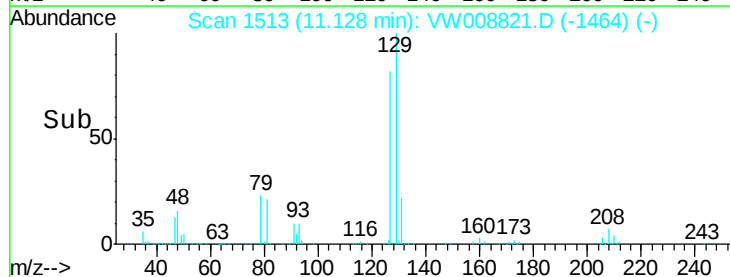
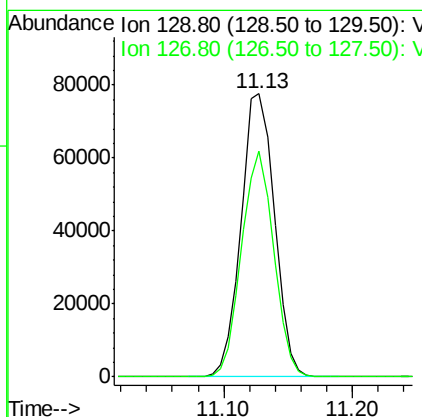
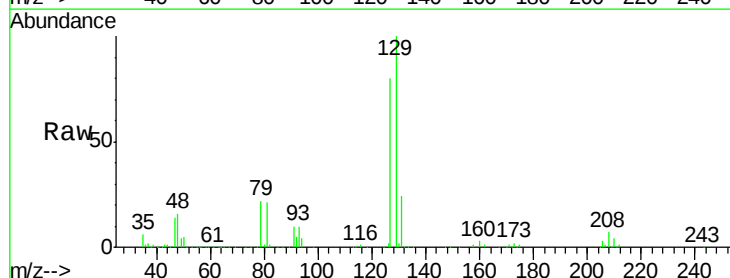
Manual Integrations
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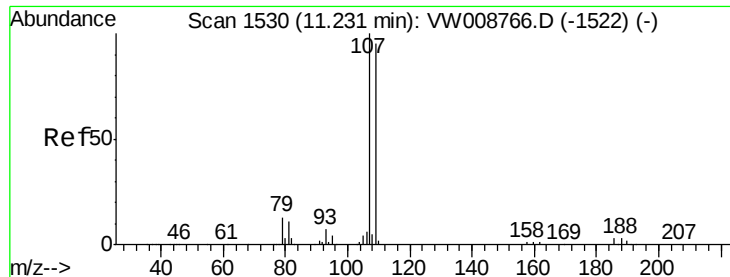
MMDadoda
2/27/2019 5:20:34 PM



#60
Dibromochloromethane
Concen: 51.601 ug/l
RT: 11.13 min Scan# 1513
Delta R.T. 0.00 min
Lab File: VW008821.D
Acq: 26 Feb 2019 10:38

Tgt Ion	Ratio	Lower	Upper
129	100		
127	76.7	39.0	116.9





#61

1,2-Dibromoethane

Concen: 48.853 ug/l

RT: 11.23 min Scan# 1530

Delta R.T. 0.00 min

Lab File: VW008821.D

Acq: 26 Feb 2019 10:38

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

Tot Ion: 107 Resp: 107219

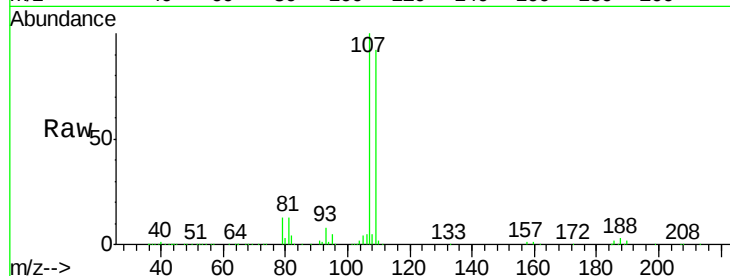
Ion Ratio Lower Upper

107 100

109 92.9 75.6 113.4

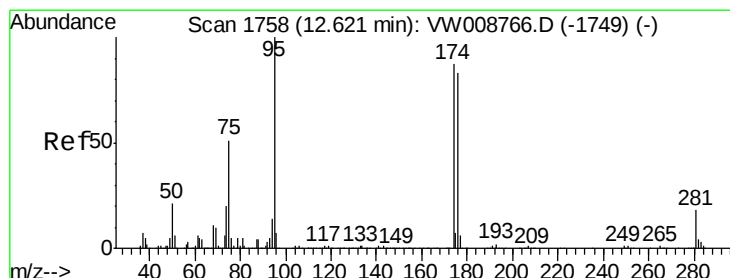
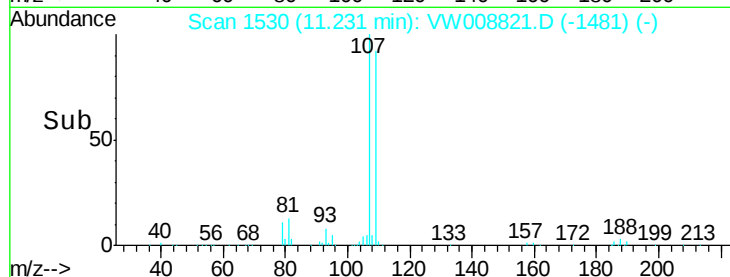
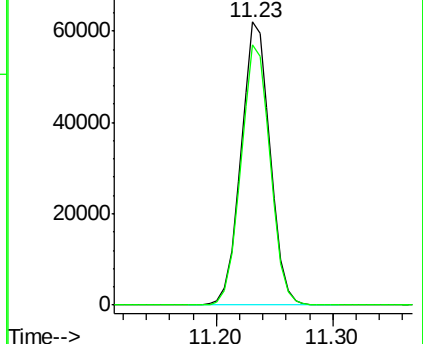
Manual Integrations
APPROVED

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2/27/2019 5:20:34 PM



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V



#62

4-Bromofluorobenzene

Concen: 55.428 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. 0.00 min

Lab File: VW008821.D

Acq: 26 Feb 2019 10:38

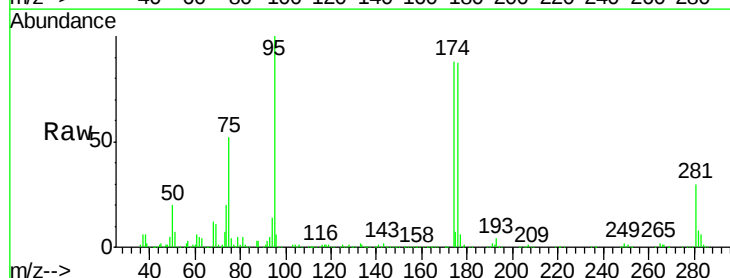
Tgt Ion: 95 Resp: 225113

Ion Ratio Lower Upper

95 100

174 86.7 0.0 169.2

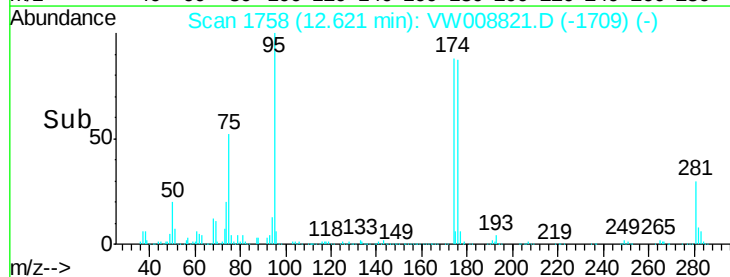
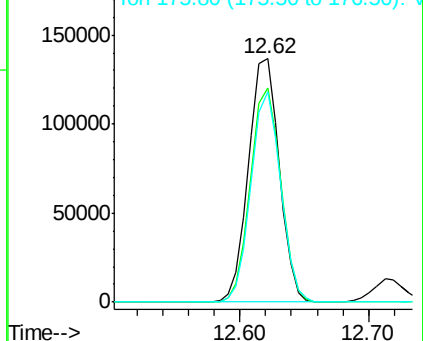
176 83.5 0.0 163.6

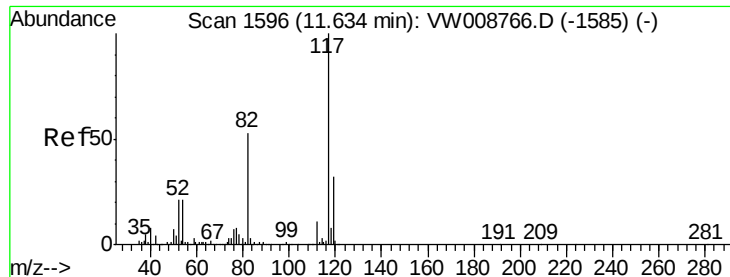


Abundance Ion 94.90 (94.60 to 95.60): VW

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V





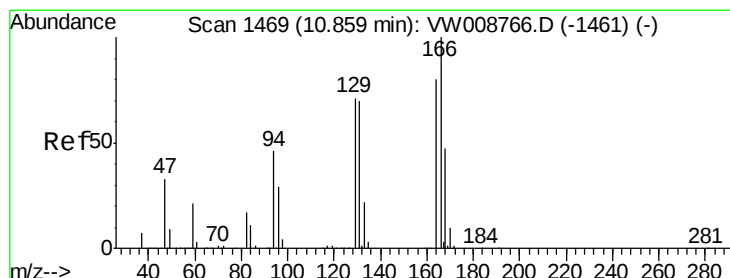
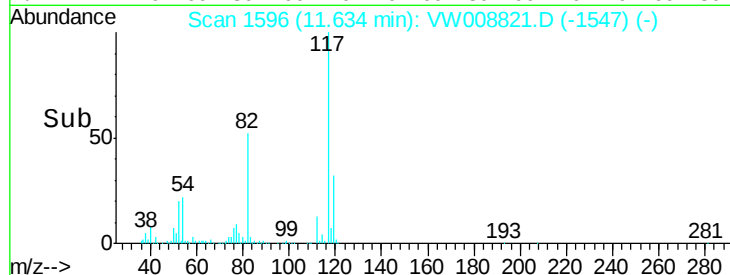
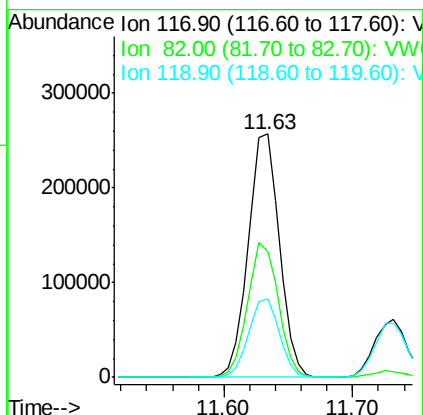
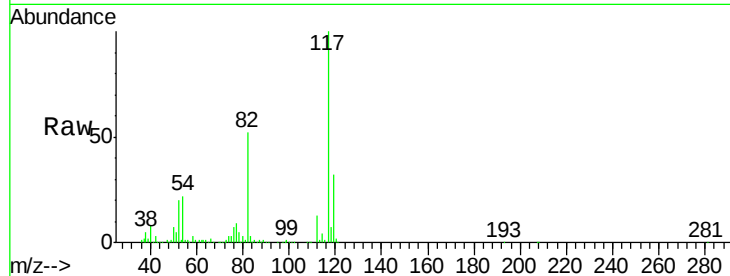
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1596
Delta R.T. 0.00 min
Lab File: VW008821.D
Acq: 26 Feb 2019 10:38

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
117	100	428187		
82	51.6	42.2	63.4	
119	32.0	25.9	38.9	

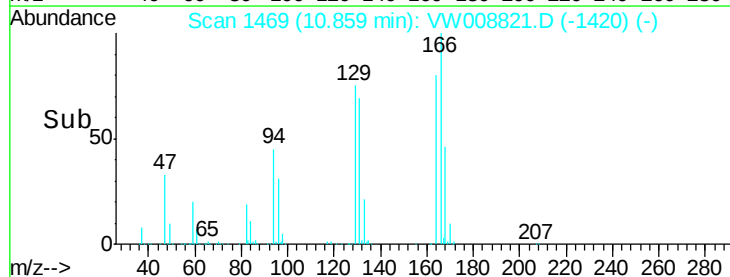
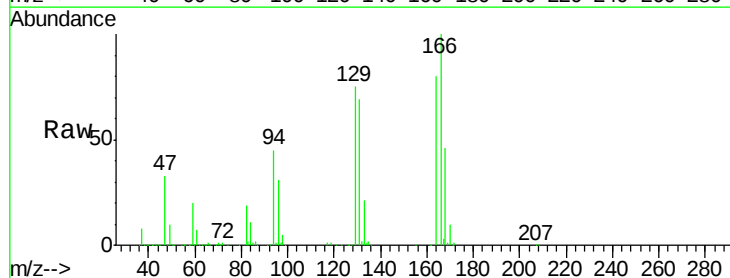
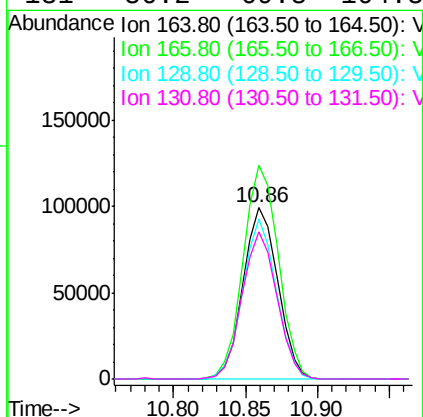
Manual Integrations
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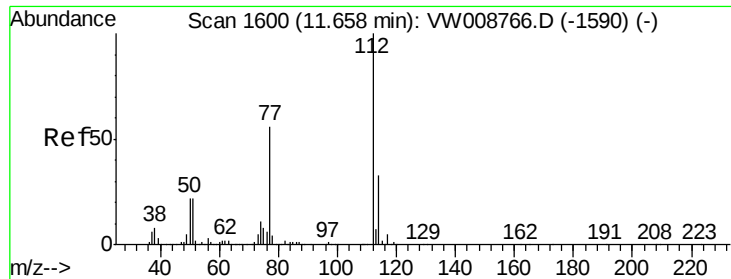
MMDadoda
2/27/2019 5:20:34 PM



#64
Tetrachloroethene
Concen: 54.064 ug/l
RT: 10.86 min Scan# 1469
Delta R.T. 0.00 min
Lab File: VW008821.D
Acq: 26 Feb 2019 10:38

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	165708		
166	124.7	99.5	149.3	
129	93.4	71.1	106.7	
131	86.2	69.8	104.8	





#65

Chlorobenzene

Concen: 53.467 ug/l

RT: 11.66 min Scan# 1600

Delta R.T. 0.00 min

Lab File: VW008821.D

Acq: 26 Feb 2019 10:38

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

Tot Ion:112 Resp: 481394

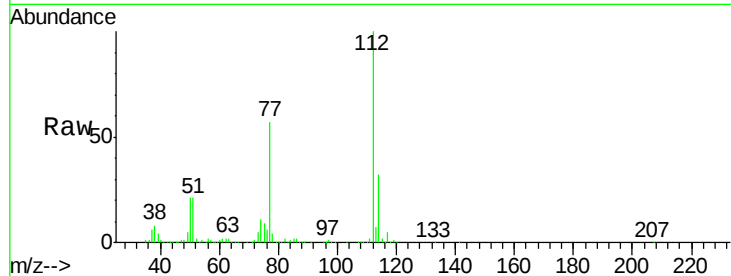
Ion Ratio Lower Upper

112 100

114 32.0 26.6 40.0

Manual Integrations
APPROVED

MMDadoda
2/27/2019 5:20:34 PM



Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V

11.66

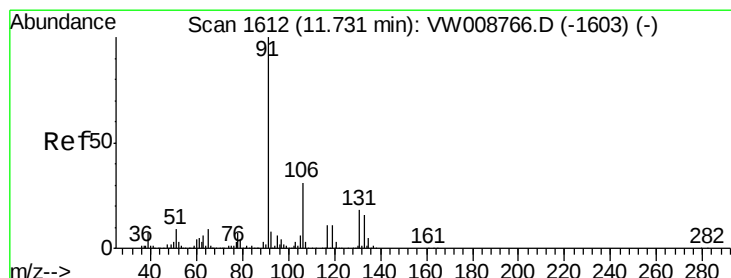
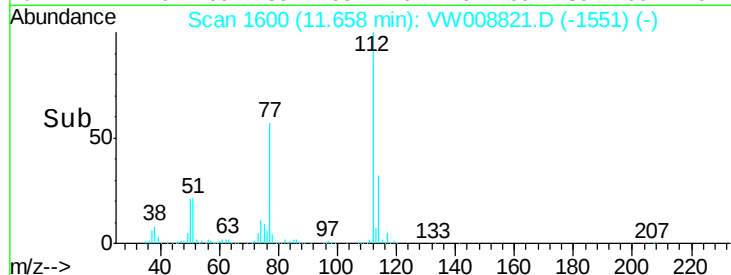
300000

200000

100000

0

Time-->



#66

1,1,1,2-Tetrachloroethane

Concen: 51.591 ug/l

RT: 11.73 min Scan# 1612

Delta R.T. 0.00 min

Lab File: VW008821.D

Acq: 26 Feb 2019 10:38

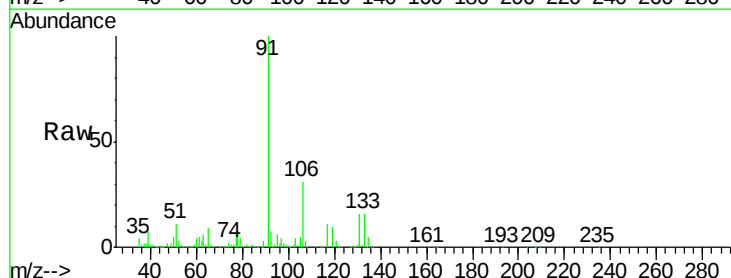
Tgt Ion:131 Resp: 157058

Ion Ratio Lower Upper

131 100

133 95.8 46.7 140.0

119 63.2 30.8 92.4



Abundance Ion 130.80 (130.50 to 131.50): V

Ion 132.80 (132.50 to 133.50): V

Ion 118.80 (118.50 to 119.50): V

11.73

120000

100000

80000

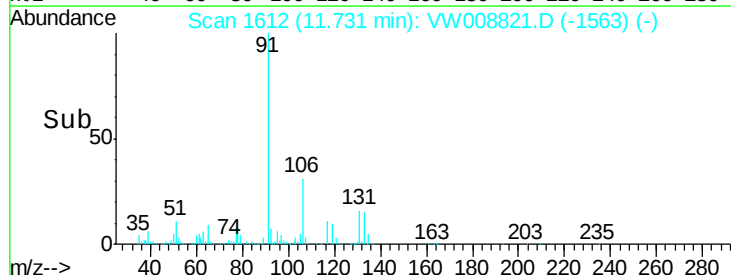
60000

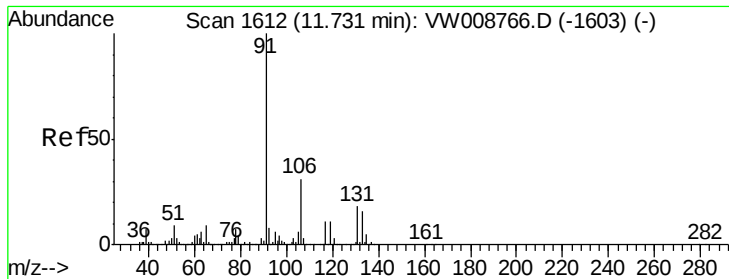
40000

20000

0

Time-->





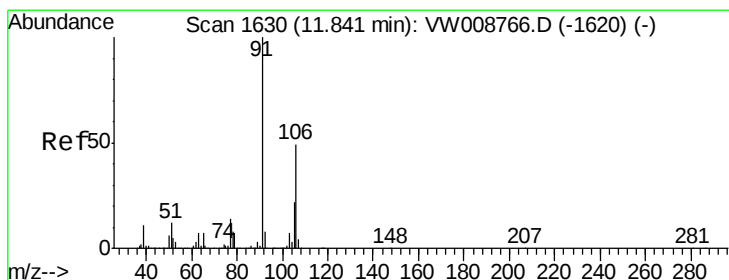
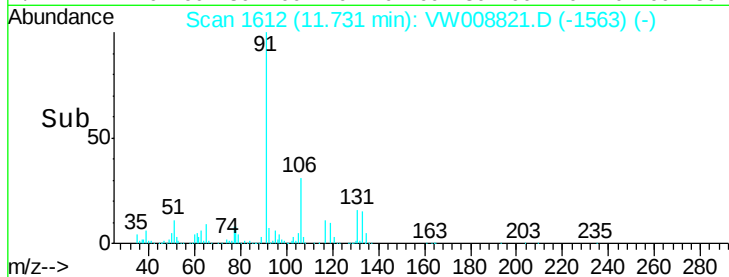
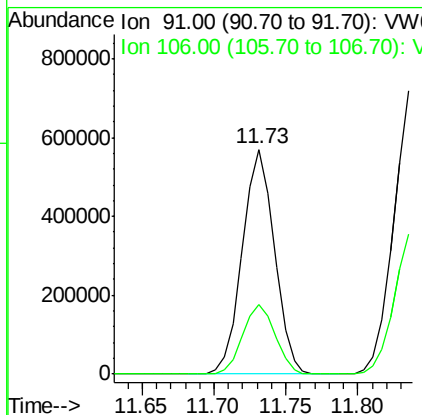
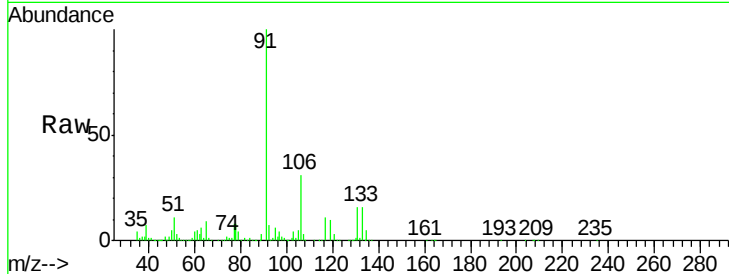
#67
Ethyl Benzene
Concen: 54.742 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. 0.00 min
Lab File: VW008821.D
Acq: 26 Feb 2019 10:38

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion	Ion	Ratio	Lower	Upper
91	100			
106	31.0	25.0	37.6	

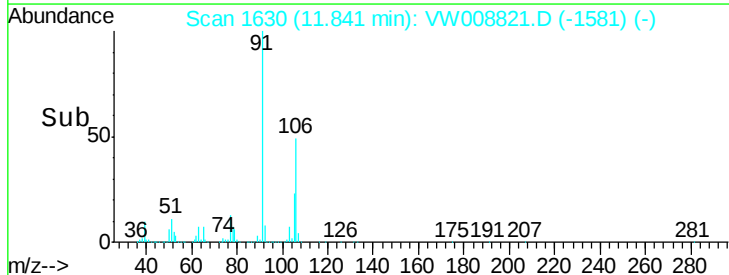
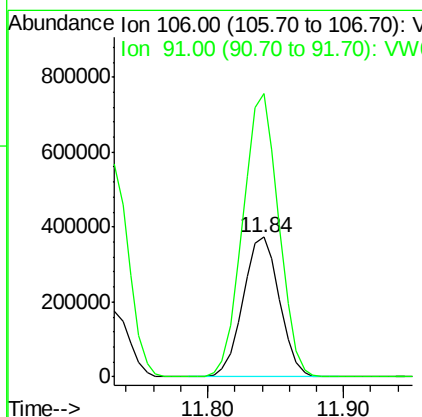
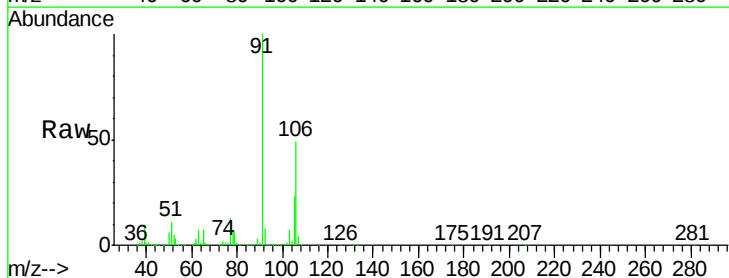
Manual Integrations
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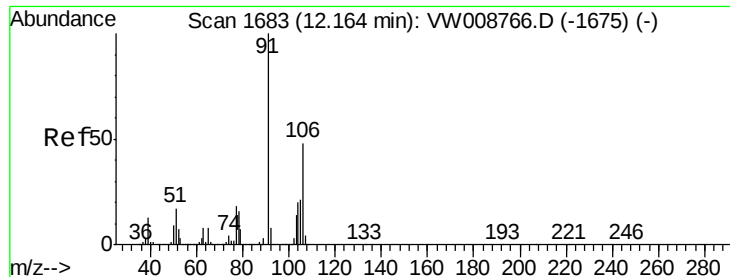
MMDadoda
2/27/2019 5:20:34 PM



#68
m/p-Xylenes
Concen: 108.483 ug/l
RT: 11.84 min Scan# 1630
Delta R.T. 0.00 min
Lab File: VW008821.D
Acq: 26 Feb 2019 10:38

Tgt Ion	Ion	Ratio	Lower	Upper
106	100			
91	200.0	161.5	242.3	





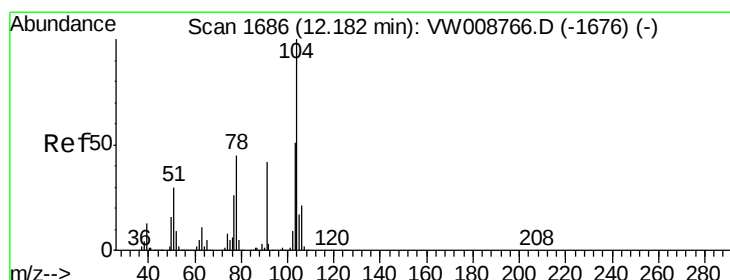
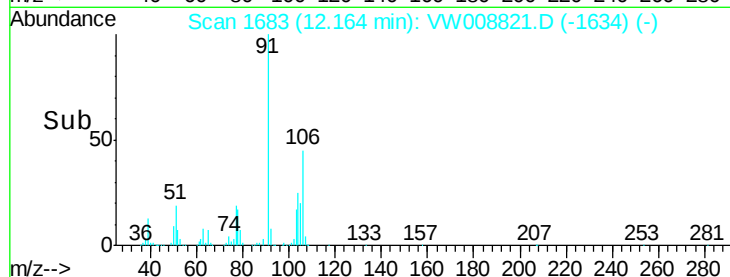
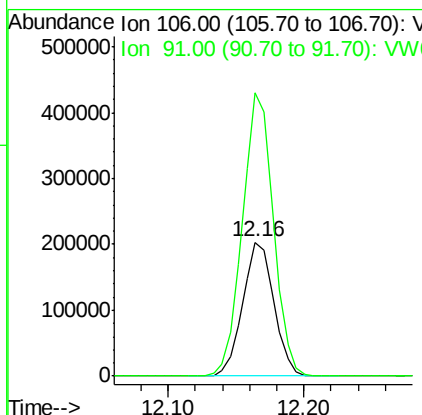
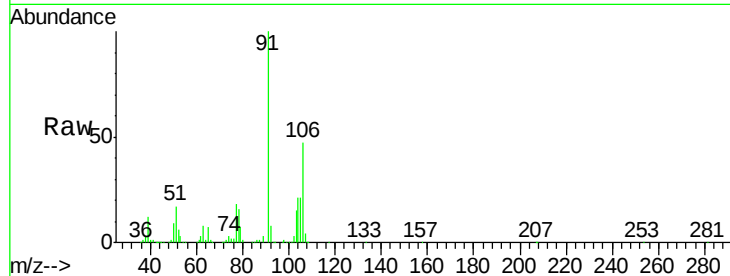
#69
o-Xylene
Concen: 54.022 ug/l
RT: 12.16 min Scan# 1683
Delta R.T. 0.00 min
Lab File: VW008821.D
Acq: 26 Feb 2019 10:38

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion	Ion	Ratio	Lower	Upper
106	100			
91	209.9	106.2	318.6	

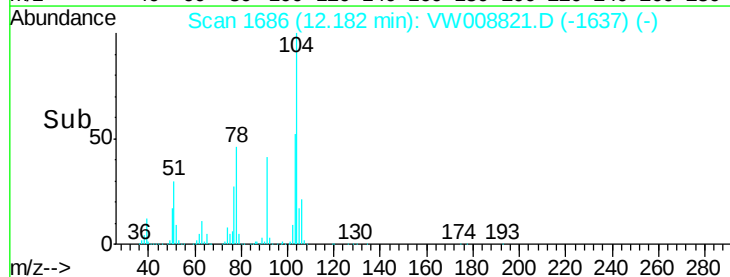
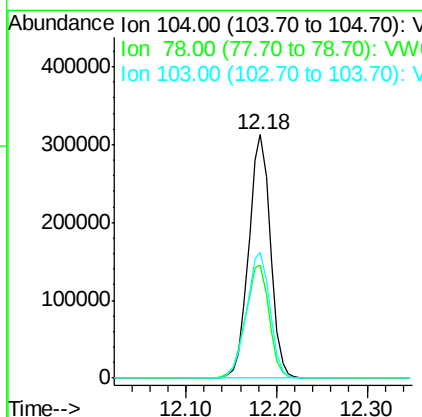
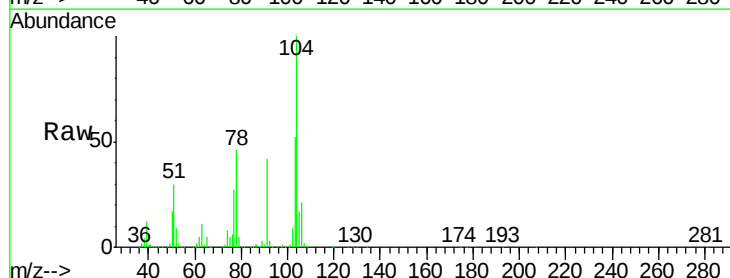
Manual Integrations
APPROVED

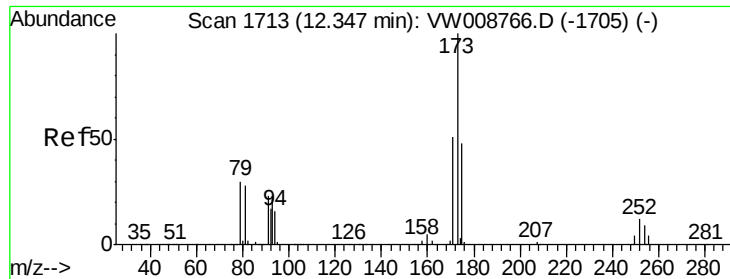
MMDadoda
2/27/2019 5:20:34 PM



#70
Styrene
Concen: 53.081 ug/l
RT: 12.18 min Scan# 1686
Delta R.T. 0.00 min
Lab File: VW008821.D
Acq: 26 Feb 2019 10:38

Tgt Ion	Ion	Ratio	Lower	Upper
104	100			
78	50.9	40.8	61.2	
103	55.9	44.2	66.2	





#71

Bromoform

Concen: 49.616 ug/l

RT: 12.35 min Scan# 1713

Delta R.T. 0.00 min

Lab File: VW008821.D

Acq: 26 Feb 2019 10:38

Instrument :

MSVOA_W

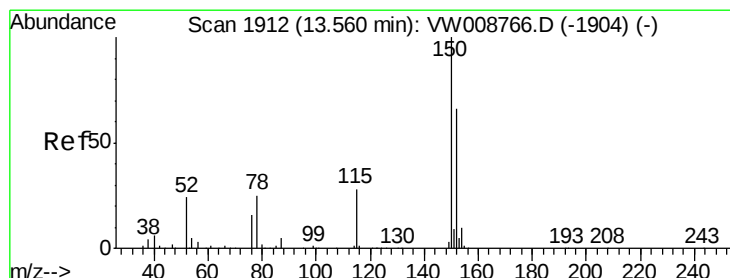
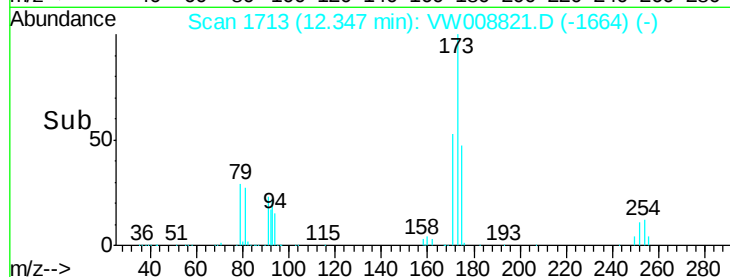
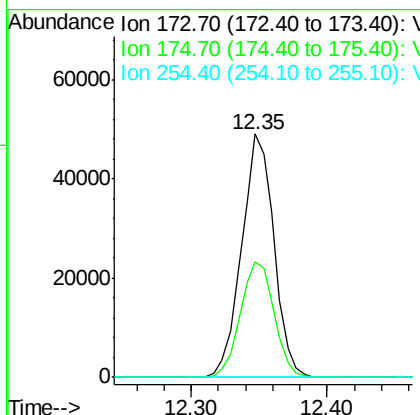
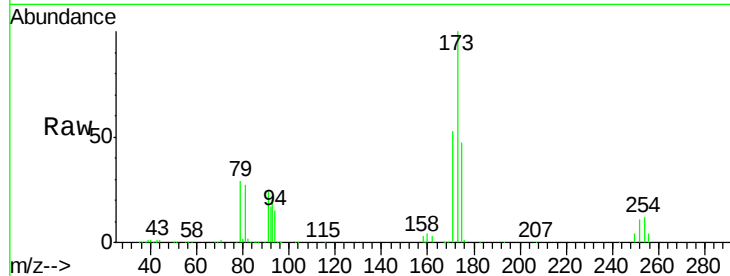
ClientSampleId :

VSTDCCC050

Tot Ion	Ion	Ratio	Lower	Upper
173	100			
175	49.5	24.2	72.6	
254	0.0	0.2	0.4	

Manual Integrations
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2/27/2019 5:20:34 PM



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

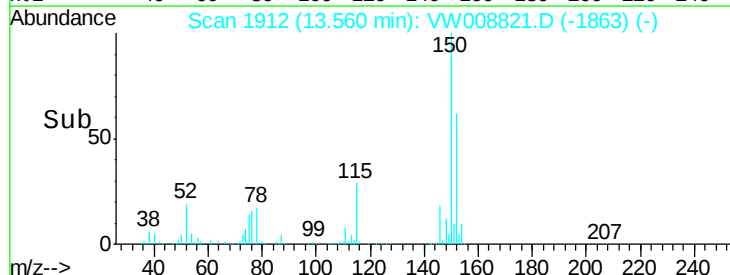
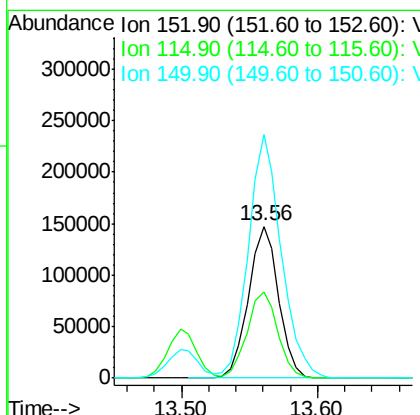
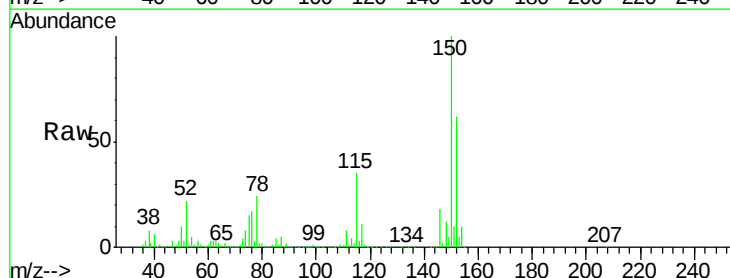
RT: 13.56 min Scan# 1912

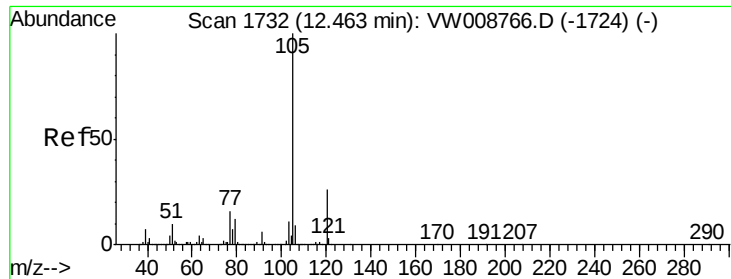
Delta R.T. 0.00 min

Lab File: VW008821.D

Acq: 26 Feb 2019 10:38

Tgt Ion	Ion	Ratio	Lower	Upper
152	100			
115	57.8	28.6	85.8	
150	175.0	0.0	348.0	





#73

Isopropylbenzene

Concen: 57.033 ug/l

RT: 12.46 min Scan# 1732

Delta R.T. 0.00 min

Lab File: VW008821.D

Acq: 26 Feb 2019 10:38

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

Tot Ion: 105 Resp: 893581

Ion Ratio Lower Upper

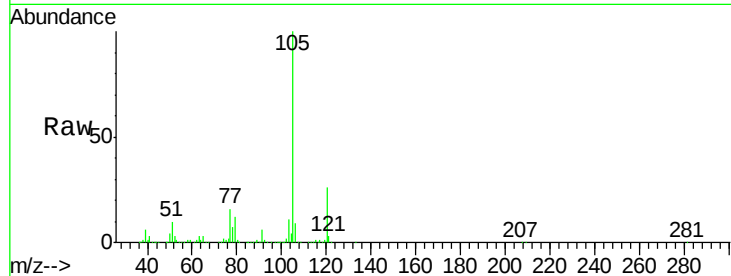
105 100

120 26.5 13.3 39.9

Manual Integrations
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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

12.46

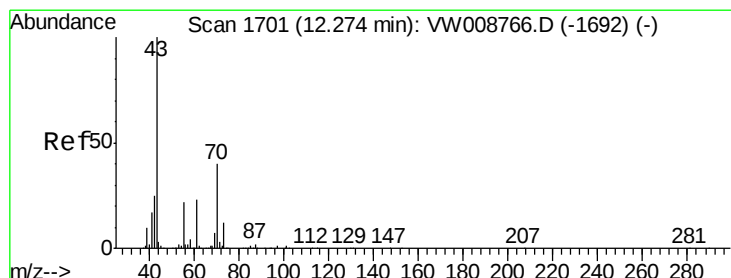
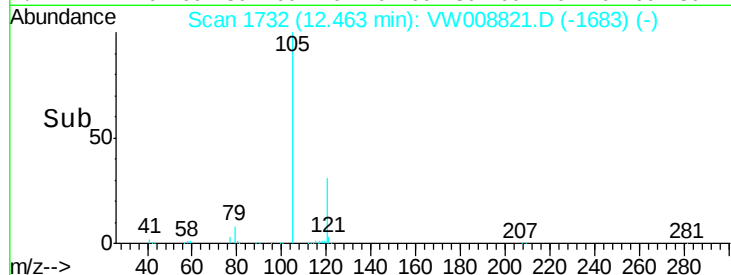
600000

400000

200000

0

Time-->



#74

N-ethyl acetate

Concen: 46.300 ug/l

RT: 12.27 min Scan# 1701

Delta R.T. 0.00 min

Lab File: VW008821.D

Acq: 26 Feb 2019 10:38

Tgt Ion: 43 Resp: 182728

Ion Ratio Lower Upper

43 100

70 41.1 31.0 46.6

55 24.5 18.7 28.1

61 22.1 18.1 27.1

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

12.27

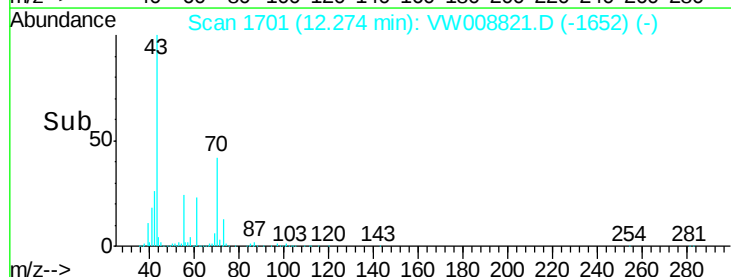
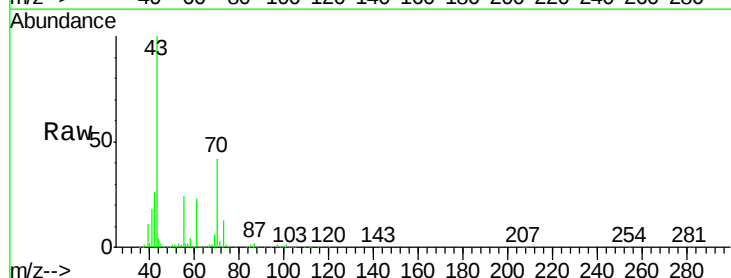
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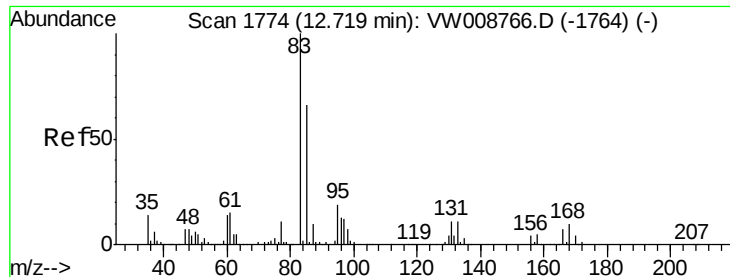
100000

50000

0

Time-->





#75

1,1,2,2-Tetrachloroethane

Concen: 48.968 ug/l

RT: 12.71 min Scan# 1773

Delta R.T. -0.01 min

Lab File: VW008821.D

Acq: 26 Feb 2019 10:38

Instrument :

MSVOA_W

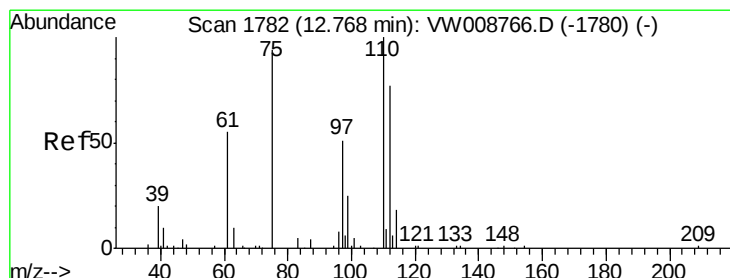
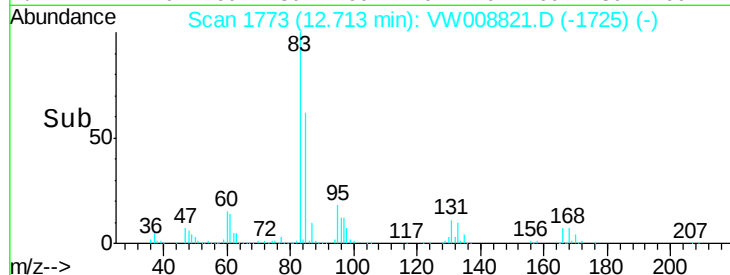
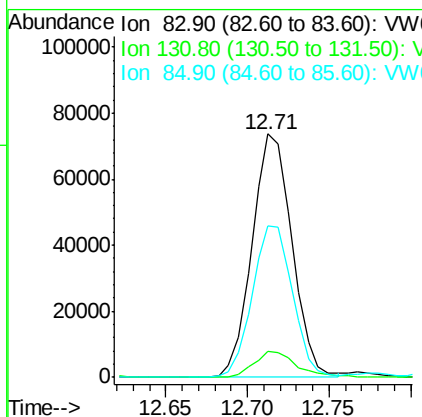
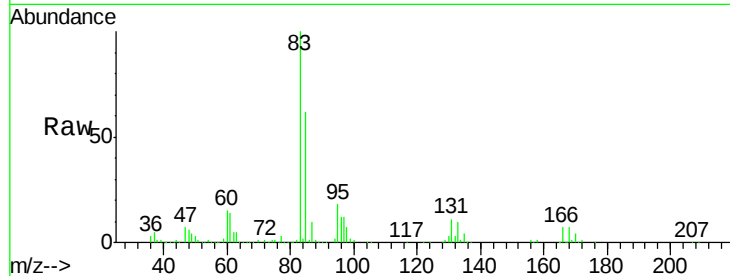
ClientSampleId :

VSTDCCC050

Tot Ion:	83	Resp:	125360
Ion Ratio	Lower	Upper	
83	100		
131	11.4	5.5	16.7
85	62.7	33.0	98.9

Manual Integrations
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2/27/2019 5:20:34 PM



#76

1,2,3-Trichloropropane

Concen: 46.553 ug/l m

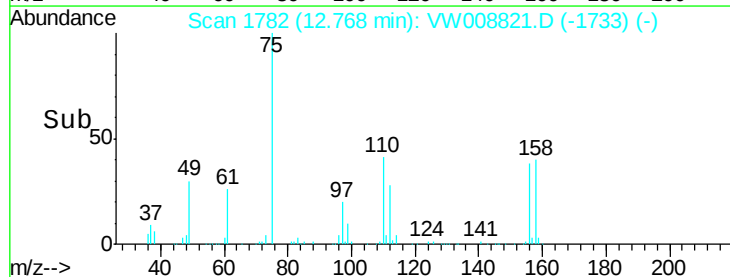
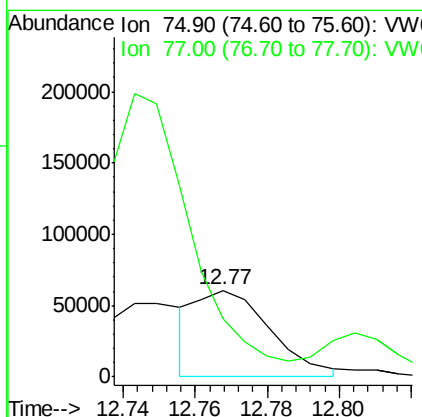
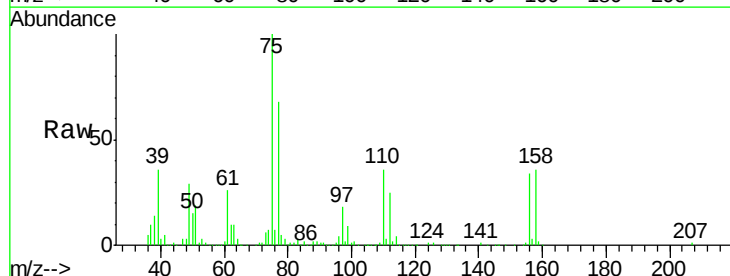
RT: 12.77 min Scan# 1782

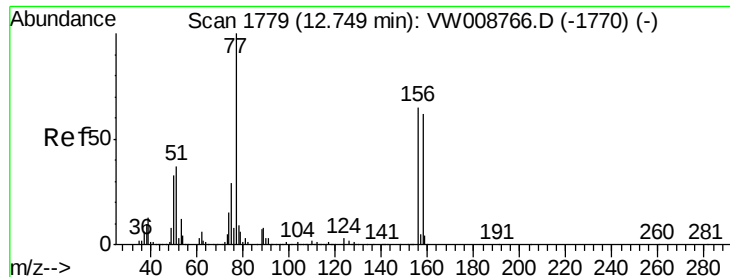
Delta R.T. 0.00 min

Lab File: VW008821.D

Acq: 26 Feb 2019 10:38

Tgt Ion:	75	Resp:	87843
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





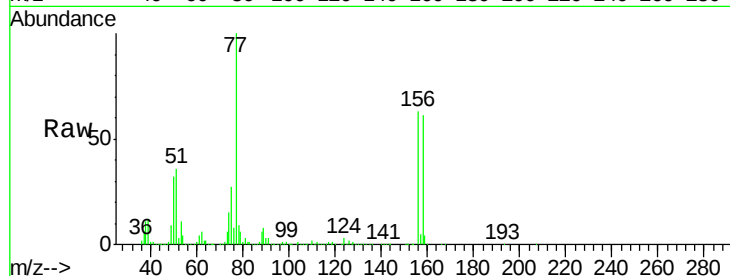
#77
Bromobenzene
Concen: 54.028 ug/l
RT: 12.75 min Scan# 1779
Delta R.T. 0.00 min
Lab File: VW008821.D
Acq: 26 Feb 2019 10:38

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

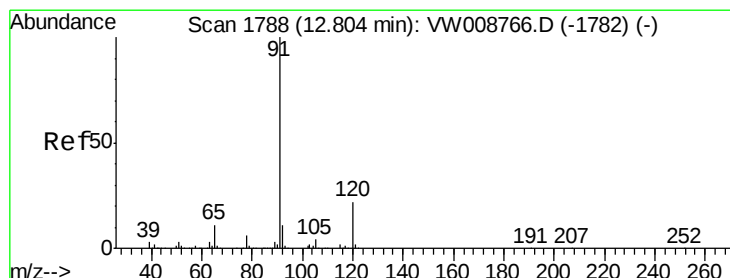
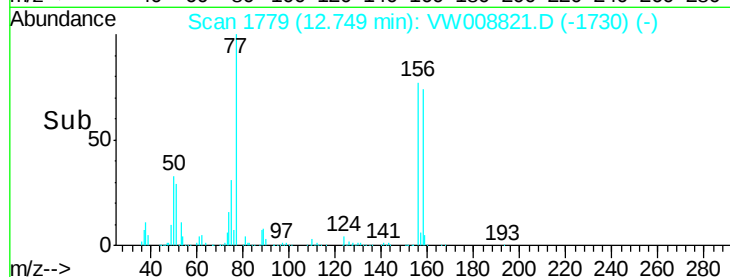
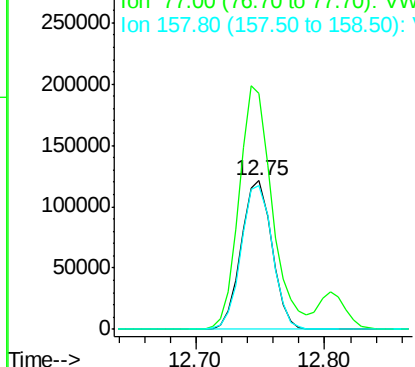
Tot Ion	Ratio	Lower	Upper
156	100		
77	176.3	89.1	267.4
158	98.1	49.2	147.6

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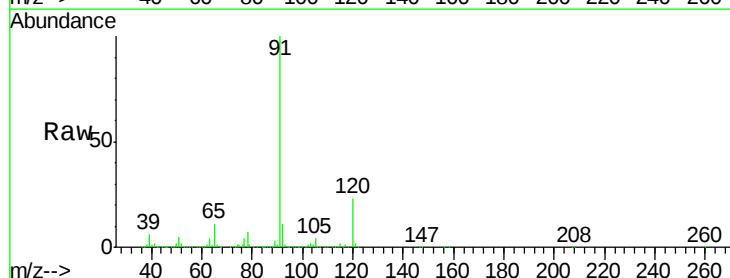


Abundance Ion 155.80 (155.50 to 156.50): V
Ion 77.00 (76.70 to 77.70): VW
Ion 157.80 (157.50 to 158.50): V

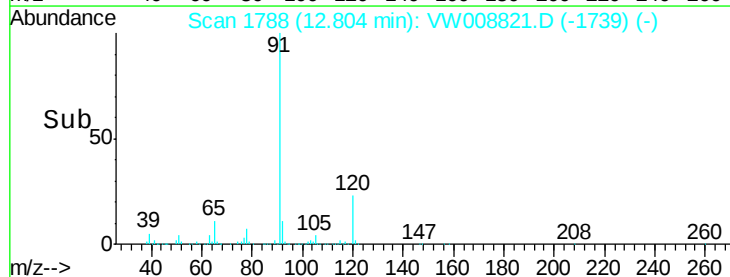
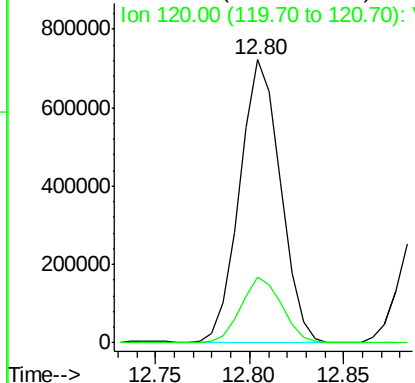


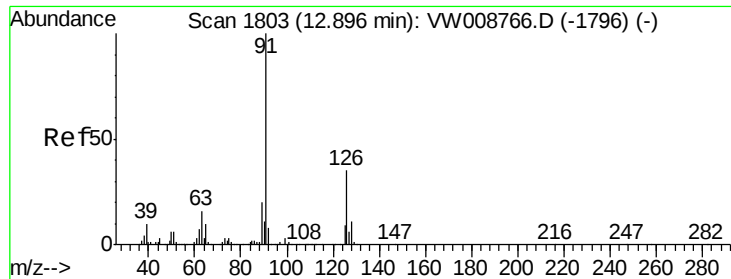
#78
n-propylbenzene
Concen: 56.844 ug/l
RT: 12.80 min Scan# 1788
Delta R.T. 0.00 min
Lab File: VW008821.D
Acq: 26 Feb 2019 10:38

Tgt Ion	Ratio	Lower	Upper
91	100		
120	23.1	11.5	34.4



Abundance Ion 91.00 (90.70 to 91.70): VW
Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 55.303 ug/l

RT: 12.90 min Scan# 1803

Delta R.T. 0.00 min

Lab File: VW008821.D

Acq: 26 Feb 2019 10:38

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

Tot Ion: 91 Resp: 601763

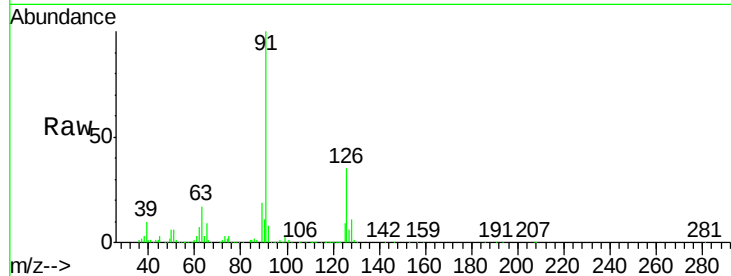
Ion Ratio Lower Upper

91 100

126 34.4 17.0 51.0

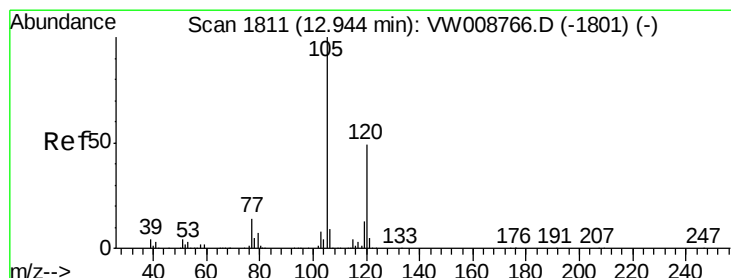
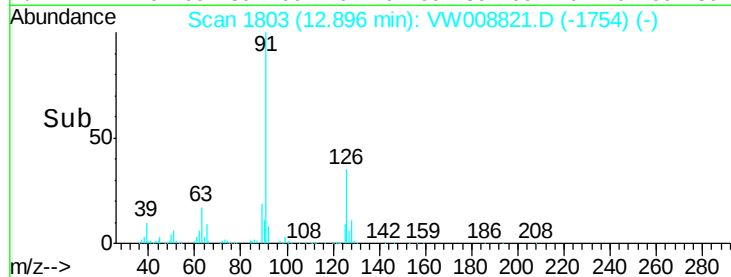
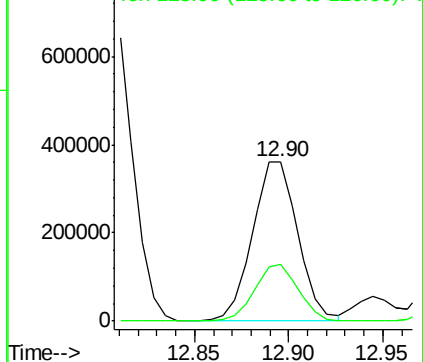
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Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 125.90 (125.60 to 126.60): V



#80

1,3,5-Trimethylbenzene

Concen: 55.605 ug/l

RT: 12.94 min Scan# 1811

Delta R.T. 0.00 min

Lab File: VW008821.D

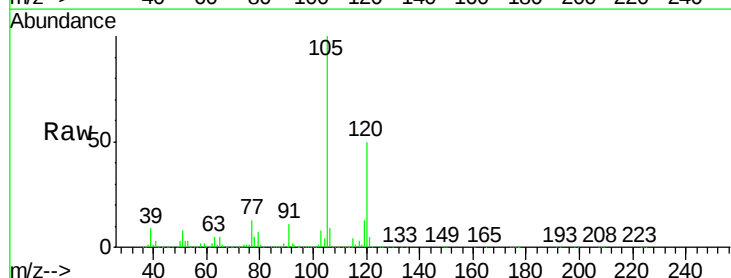
Acq: 26 Feb 2019 10:38

Tgt Ion: 105 Resp: 757093

Ion Ratio Lower Upper

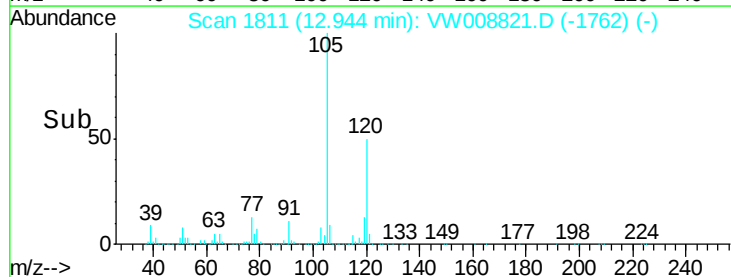
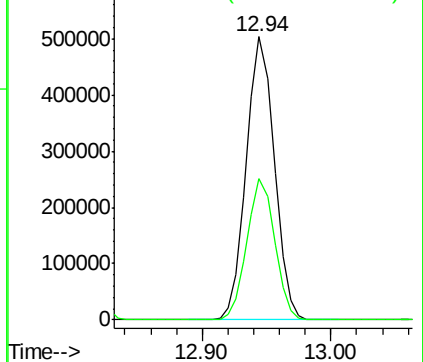
105 100

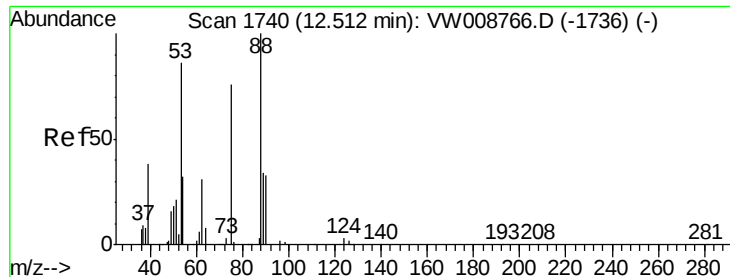
120 49.5 24.8 74.4



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#81

trans-1,4-Dichloro-2-butene

Concen: 51.590 ug/l

RT: 12.51 min Scan# 1740

Delta R.T. 0.00 min

Lab File: VW008821.D

Acq: 26 Feb 2019 10:38

Instrument :

MSVOA_W

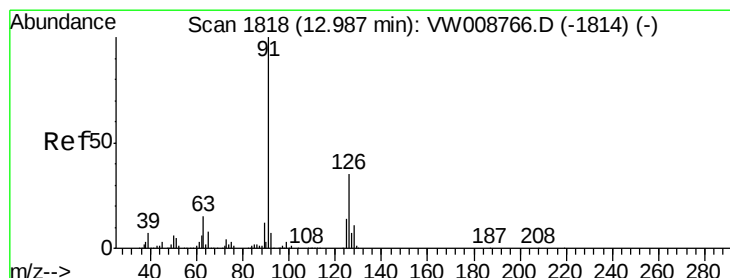
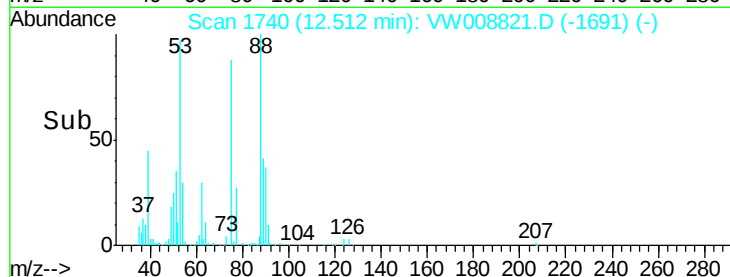
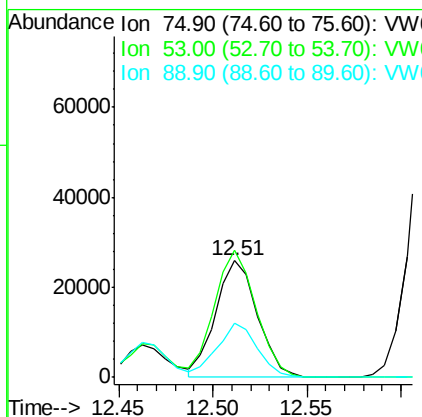
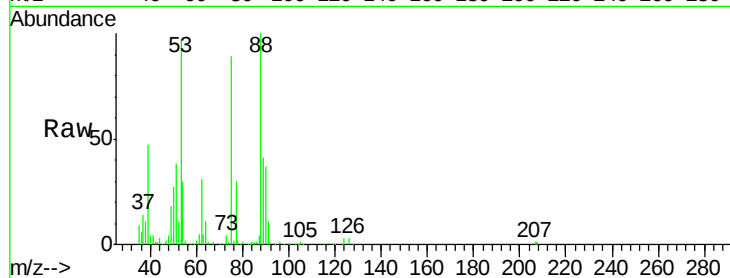
ClientSampleId :

VSTDCCC050

Tot Ion:	75	Resp:	40043
Ion	Ratio	Lower	Upper
75	100		
53	107.5	88.2	132.2
89	44.8	39.5	59.3

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#82

4-Chlorotoluene

Concen: 54.945 ug/l

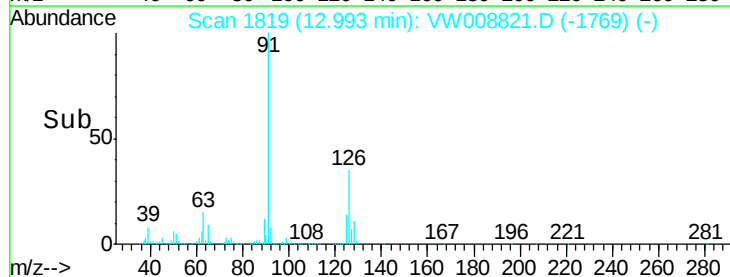
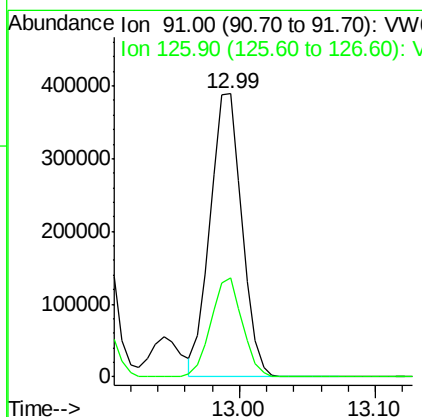
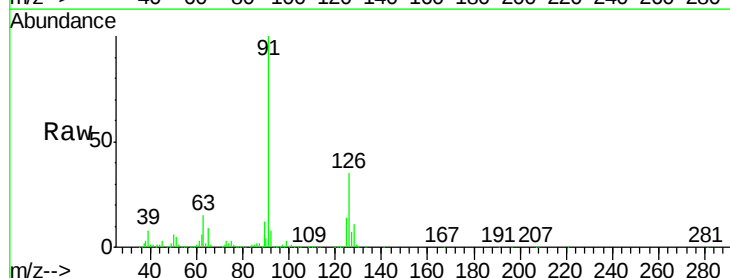
RT: 12.99 min Scan# 1819

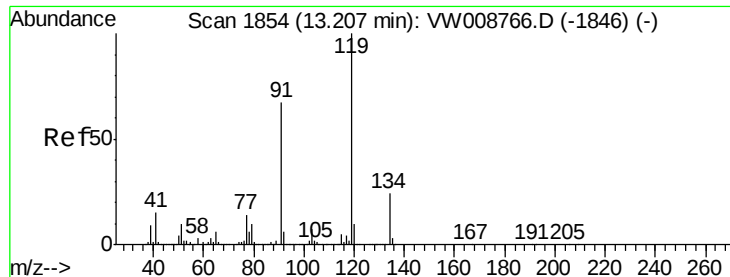
Delta R.T. 0.01 min

Lab File: VW008821.D

Acq: 26 Feb 2019 10:38

Tgt Ion:	91	Resp:	630037
Ion	Ratio	Lower	Upper
91	100		
126	34.4	17.2	51.6





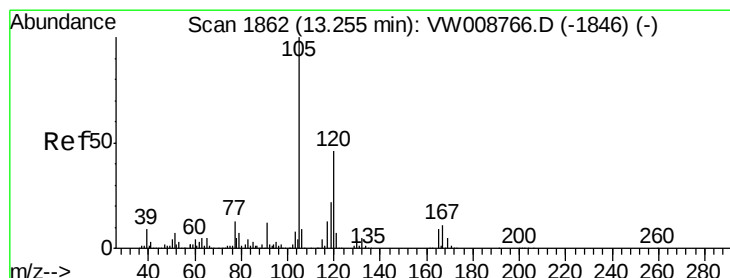
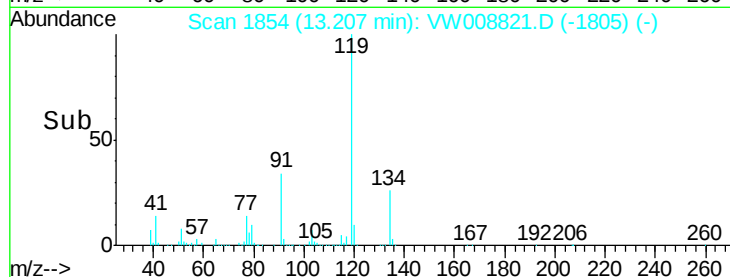
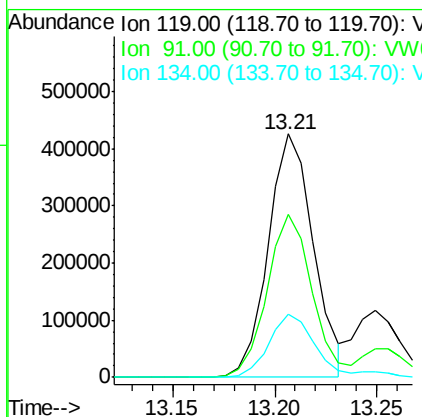
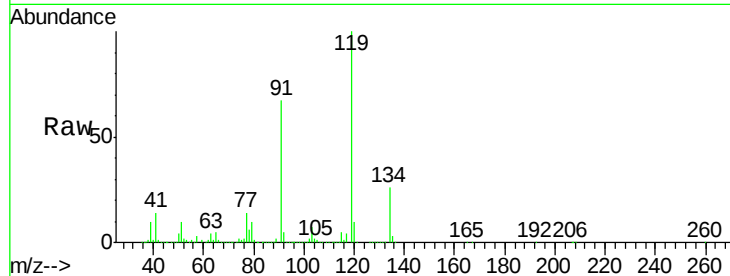
#83
 tert-Butylbenzene
 Concen: 56.067 ug/l
 RT: 13.21 min Scan# 1854
 Delta R.T. 0.00 min
 Lab File: VW008821.D
 Acq: 26 Feb 2019 10:38

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
119	100		
91	66.7	33.6	100.8
134	27.6	13.7	41.1

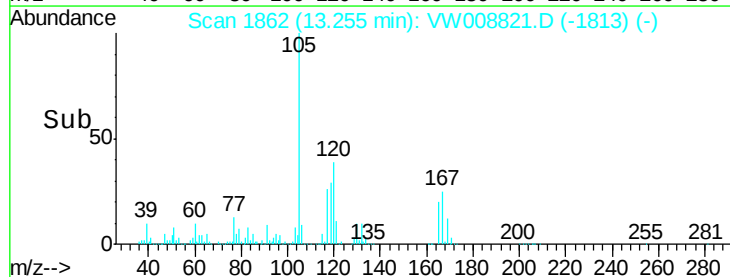
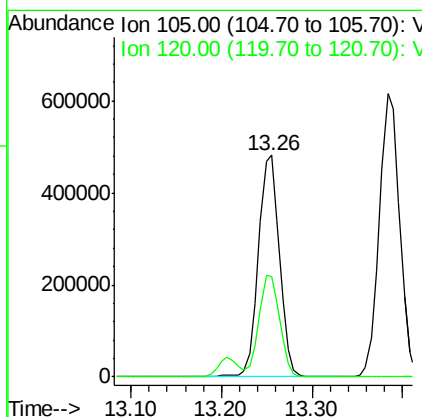
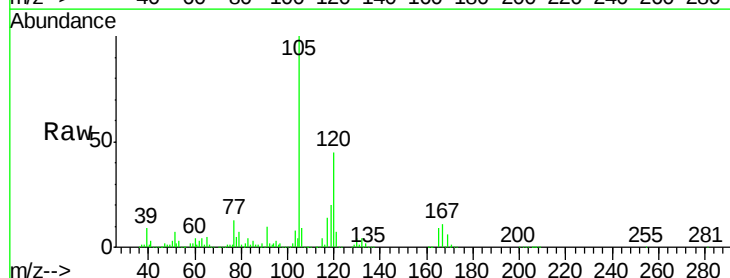
Manual Integrations
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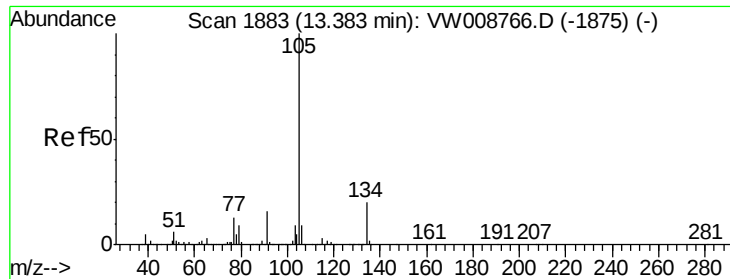
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#84
 1,2,4-Trimethylbenzene
 Concen: 54.721 ug/l
 RT: 13.26 min Scan# 1862
 Delta R.T. 0.00 min
 Lab File: VW008821.D
 Acq: 26 Feb 2019 10:38

Tgt Ion	Ratio	Lower	Upper
105	100		
120	45.5	22.8	68.4





#85

sec-Butylbenzene

Concen: 56.432 ug/l

RT: 13.38 min Scan# 1883

Delta R.T. 0.00 min

Lab File: VW008821.D

Acq: 26 Feb 2019 10:38

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

Tot Ion:105 Resp: 955305

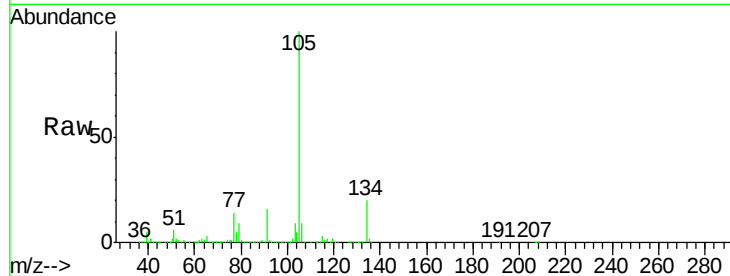
Ion Ratio Lower Upper

105 100

134 20.8 10.4 31.1

Manual Integrations
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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V

13.38

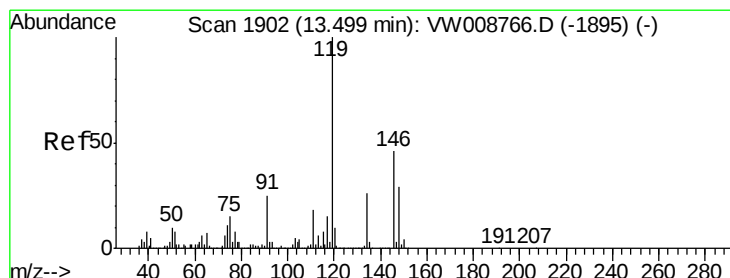
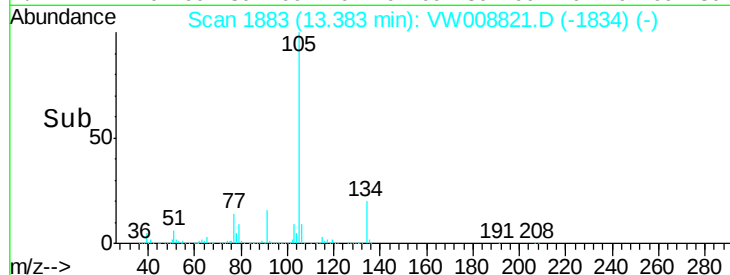
600000

400000

200000

0

Time-->



#86

p-Isopropyltoluene

Concen: 55.109 ug/l

RT: 13.50 min Scan# 1902

Delta R.T. 0.00 min

Lab File: VW008821.D

Acq: 26 Feb 2019 10:38

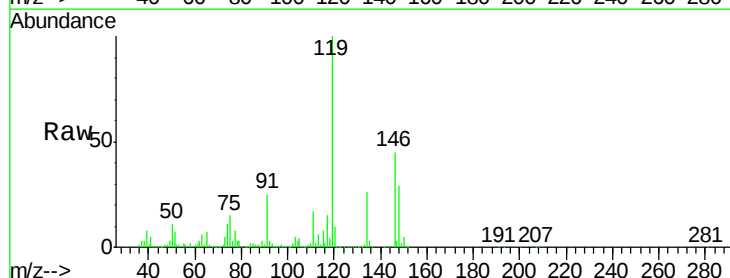
Tgt Ion:119 Resp: 855219

Ion Ratio Lower Upper

119 100

134 26.4 13.1 39.3

91 24.2 12.1 36.3



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V

13.50

800000

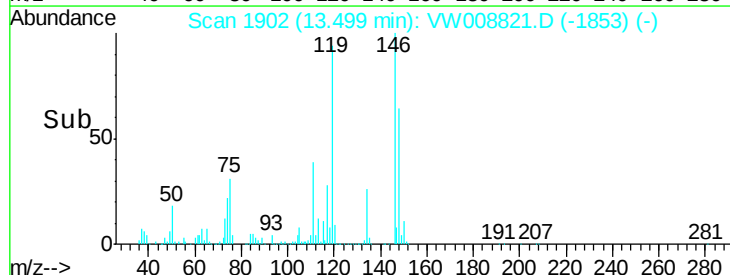
600000

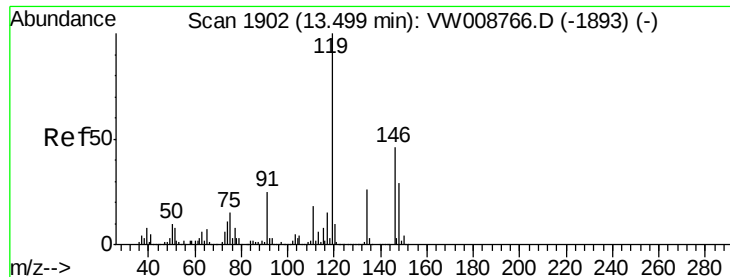
400000

200000

0

Time-->





#87

1,3-Dichlorobenzene

Concen: 54.081 ug/l

RT: 13.50 min Scan# 1902

Delta R.T. 0.00 min

Lab File: VW008821.D

Acq: 26 Feb 2019 10:38

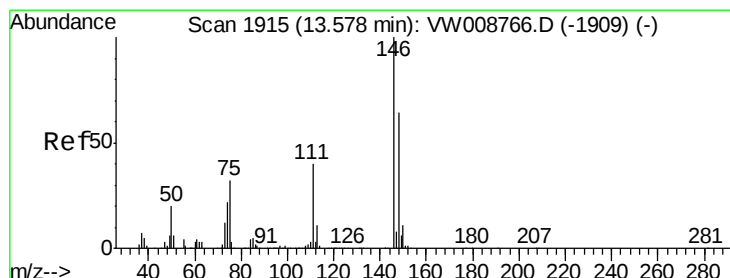
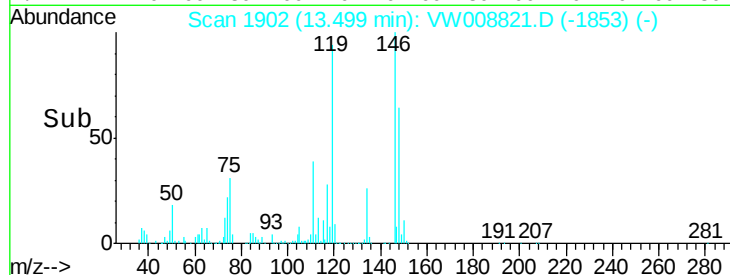
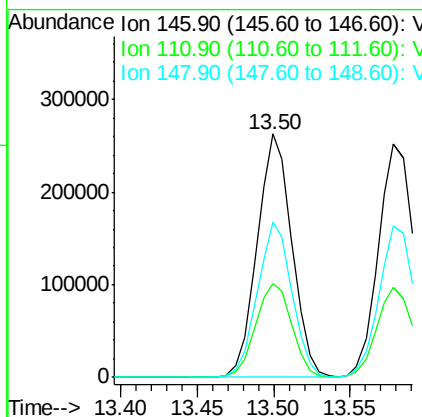
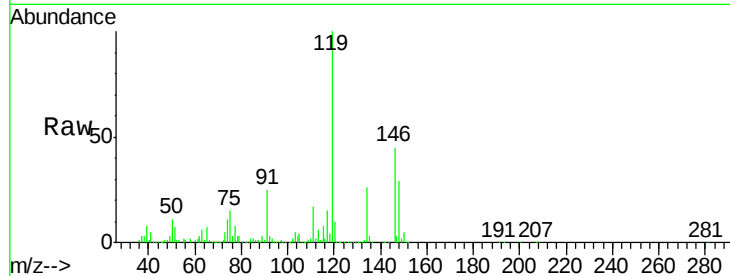
Instrument :
MSVOA_W

ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
146	100		
111	39.9	19.9	59.7
148	63.4	31.6	94.8

Manual Integrations
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#88

1,4-Dichlorobenzene

Concen: 53.843 ug/l

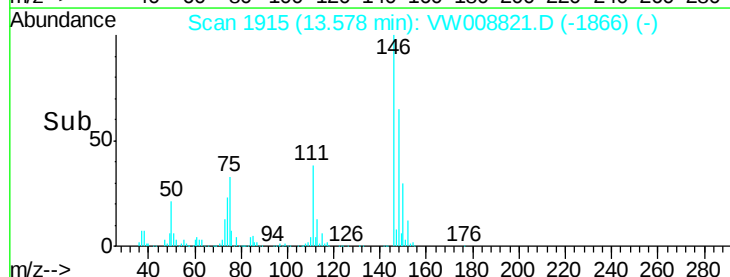
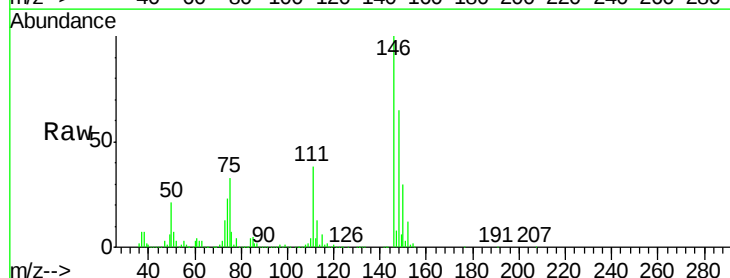
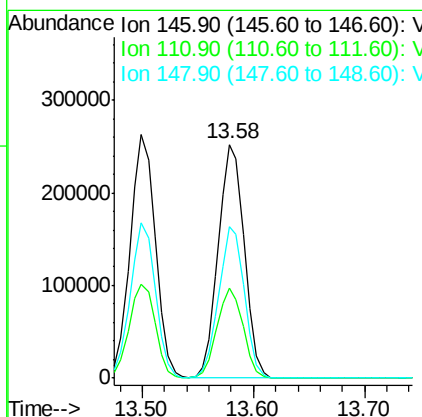
RT: 13.58 min Scan# 1915

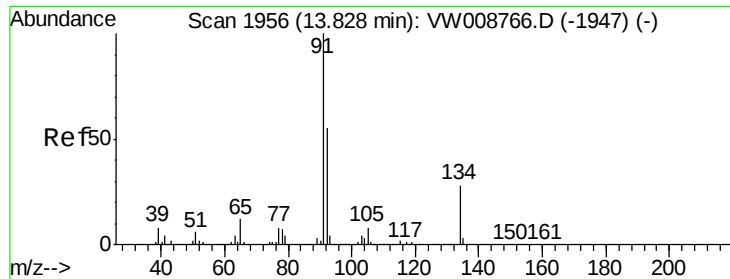
Delta R.T. 0.00 min

Lab File: VW008821.D

Acq: 26 Feb 2019 10:38

Tgt Ion	Ratio	Lower	Upper
146	100		
111	38.3	19.3	57.9
148	64.1	31.9	95.9





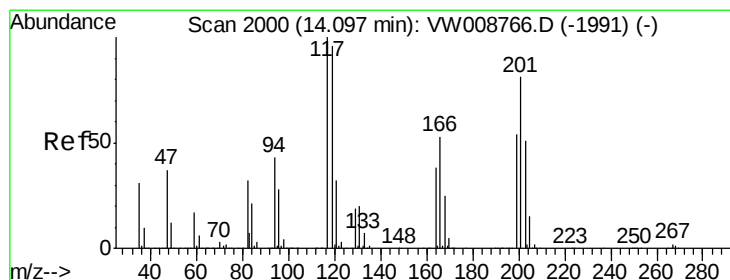
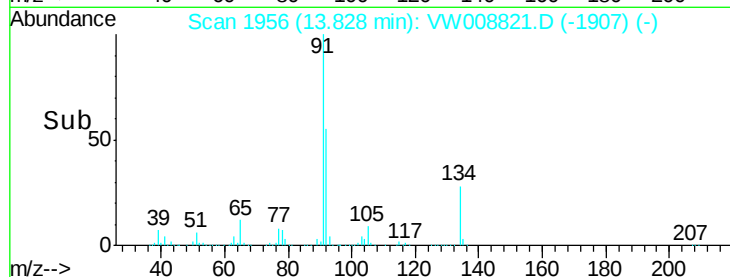
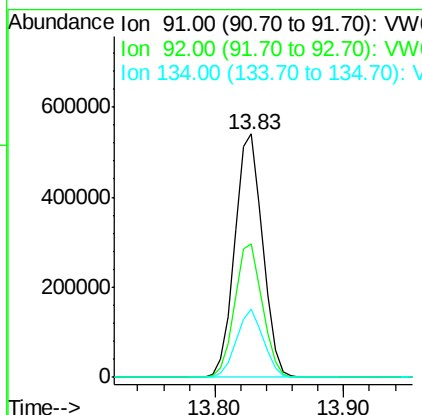
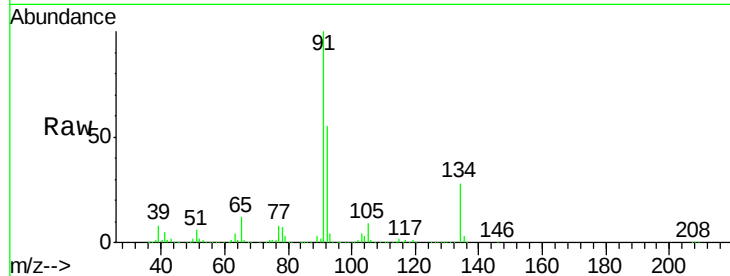
#89
n-Butylbenzene
Concen: 55.664 ug/l
RT: 13.83 min Scan# 1956
Delta R.T. 0.00 min
Lab File: VW008821.D
Acq: 26 Feb 2019 10:38

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
91	100		
92	54.7	26.8	80.4
134	27.1	13.5	40.4

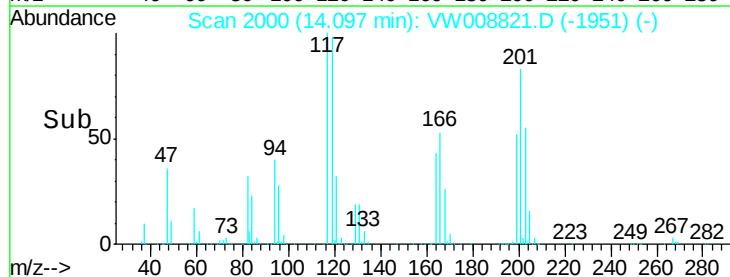
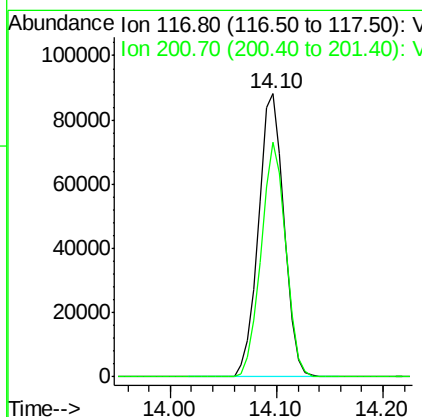
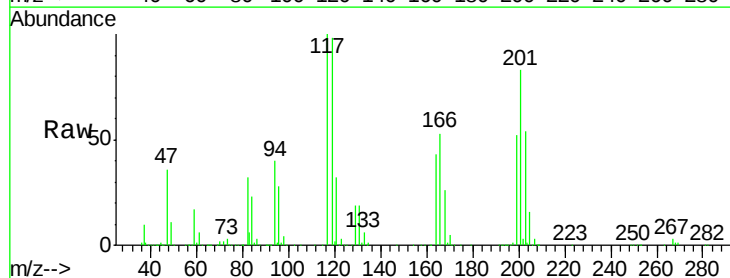
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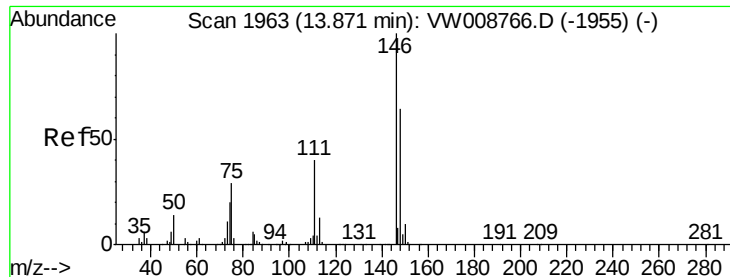
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#90
Hexachloroethane
Concen: 58.385 ug/l
RT: 14.10 min Scan# 2000
Delta R.T. 0.00 min
Lab File: VW008821.D
Acq: 26 Feb 2019 10:38

Tgt Ion	Ratio	Lower	Upper
117	100		
201	80.1	40.3	120.8





#91

1,2-Dichlorobenzene

Concen: 52.640 ug/l

RT: 13.87 min Scan# 1963

Delta R.T. 0.00 min

Lab File: VW008821.D

Acq: 26 Feb 2019 10:38

Instrument :

MSVOA_W

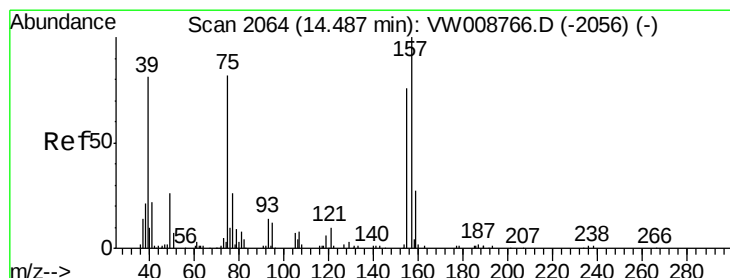
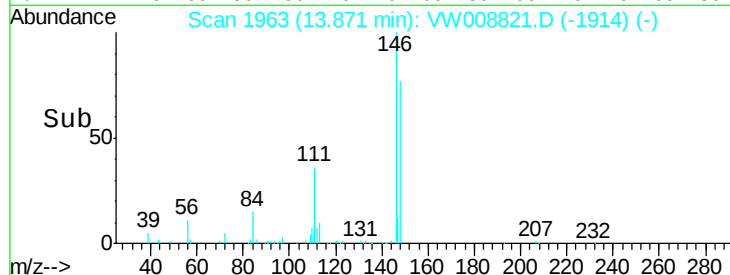
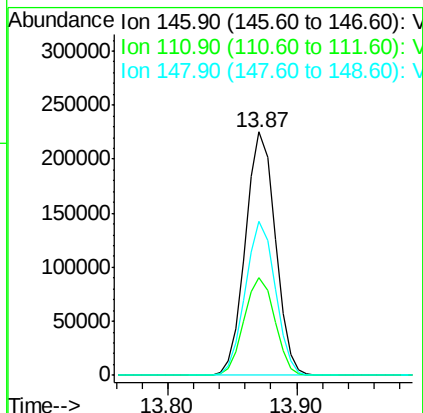
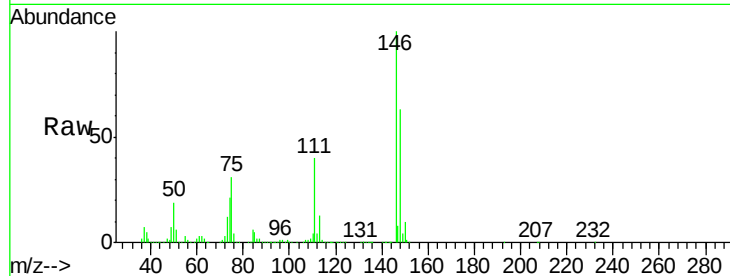
ClientSampleId :

VSTDCCC050

Tot Ion:	146	Resp:	360296
Ion Ratio	Lower	Upper	
146	100		
111	41.2	20.3	60.8
148	63.3	32.5	97.5

Manual Integrations
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#92

1,2-Dibromo-3-Chloropropane

Concen: 46.435 ug/l

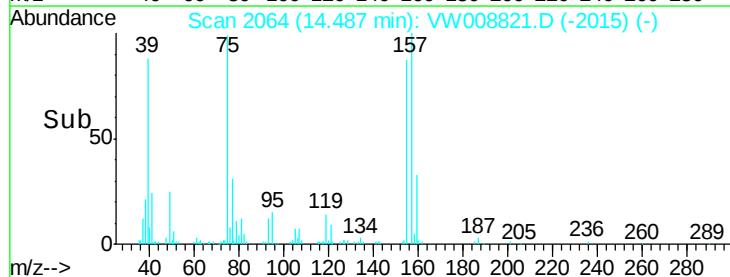
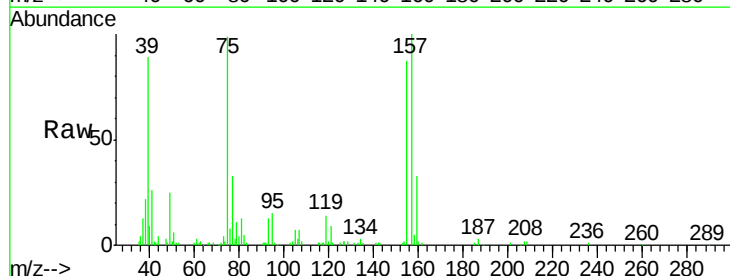
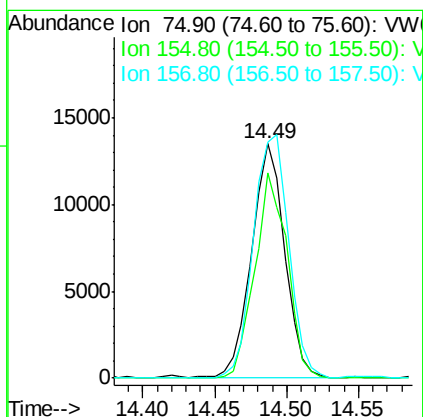
RT: 14.49 min Scan# 2064

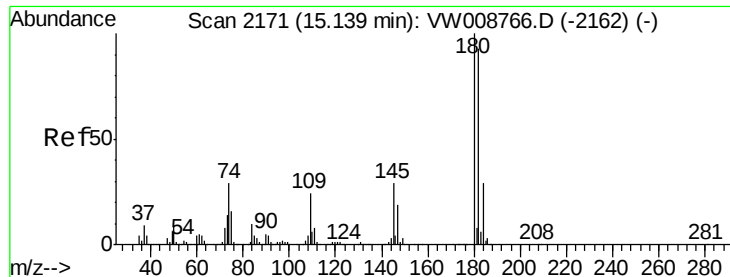
Delta R.T. 0.00 min

Lab File: VW008821.D

Acq: 26 Feb 2019 10:38

Tgt Ion:	75	Resp:	21504
Ion Ratio	Lower	Upper	
75	100		
155	84.9	41.8	125.4
157	110.4	56.6	169.9





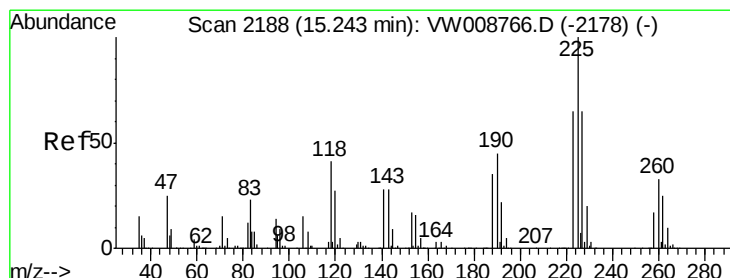
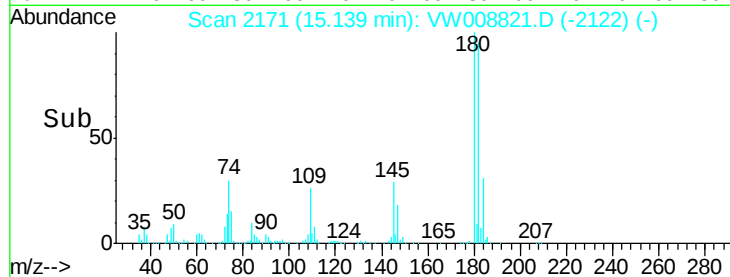
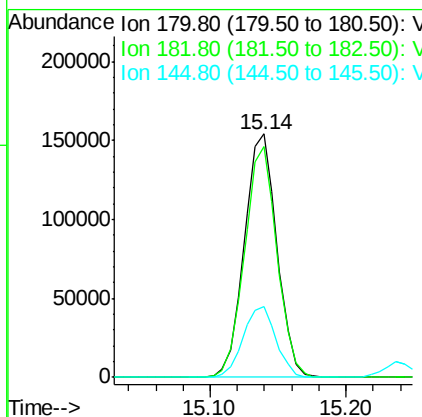
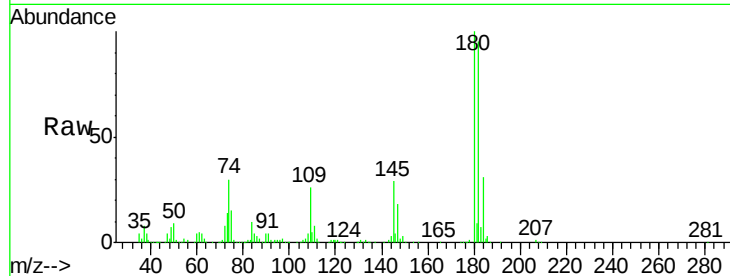
#93
 1,2,4-Trichlorobenzene
 Concen: 52.173 ug/l
 RT: 15.14 min Scan# 2171
 Delta R.T. 0.00 min
 Lab File: VW008821.D
 Acq: 26 Feb 2019 10:38

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
180	100	257298		
182	94.3	47.2	141.6	
145	29.4	14.4	43.0	

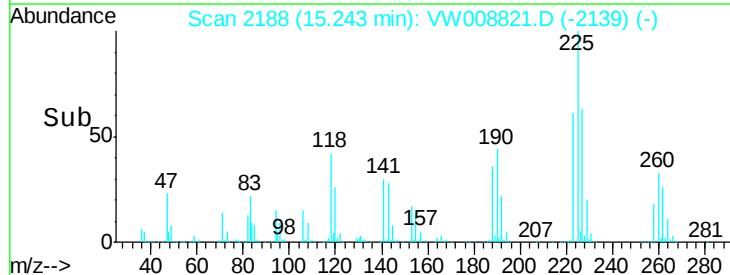
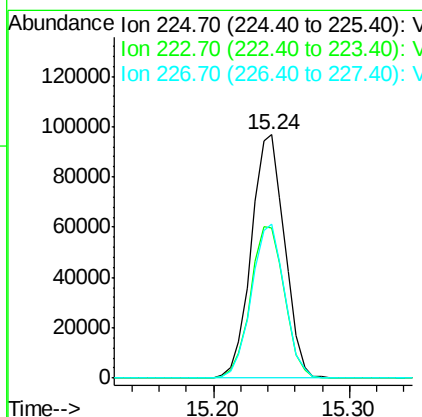
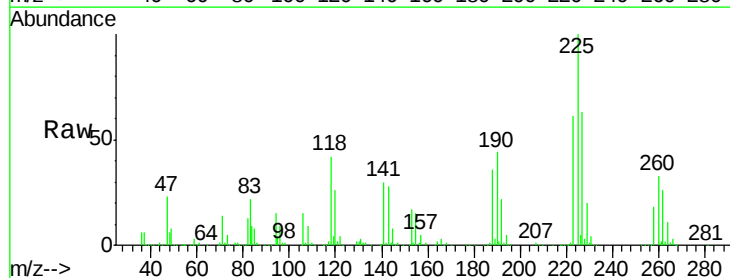
Manual Integrations
 APPROVED

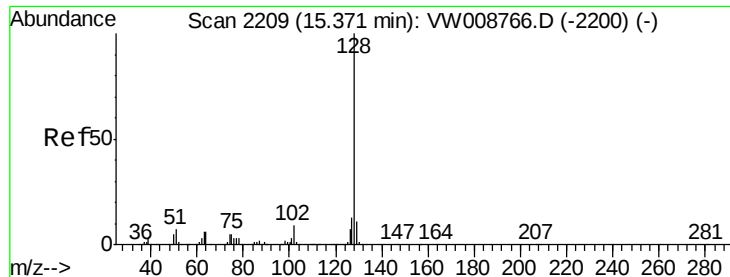
MMDadoda
 2/27/2019 5:20:34 PM



#94
 Hexachlorobutadiene
 Concen: 57.158 ug/l
 RT: 15.24 min Scan# 2188
 Delta R.T. 0.00 min
 Lab File: VW008821.D
 Acq: 26 Feb 2019 10:38

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	166038		
223	63.4	31.5	94.5	
227	63.0	31.6	94.8	





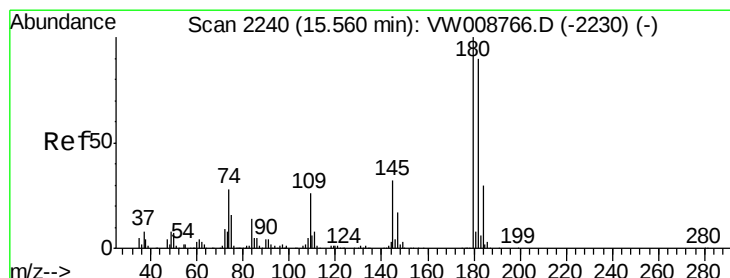
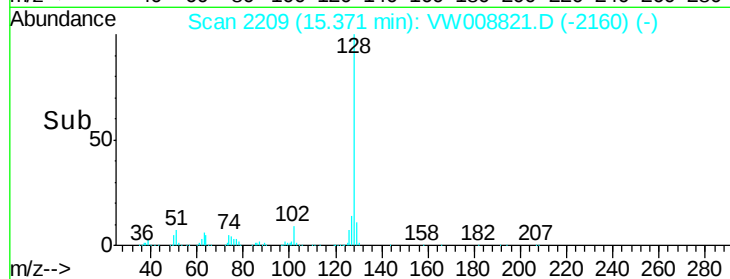
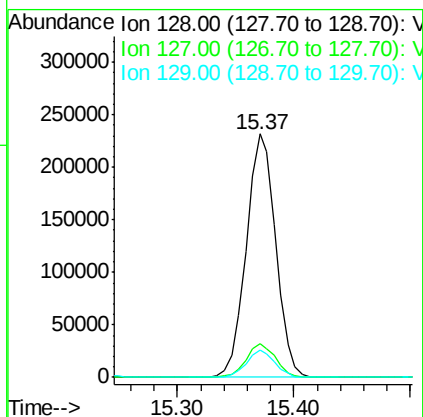
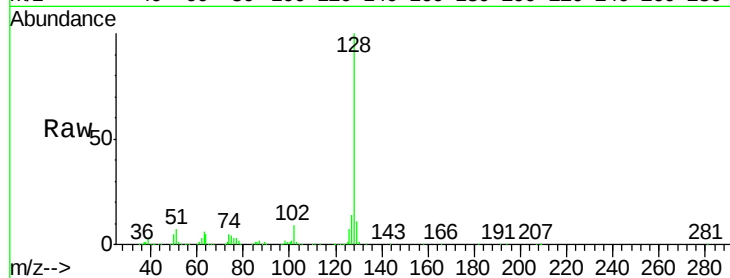
#95
Naphthalene
Concen: 48.628 ug/l
RT: 15.37 min Scan# 2209
Delta R.T. 0.00 min
Lab File: VW008821.D
Acq: 26 Feb 2019 10:38

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
128	100		
127	13.8	10.8	16.2
129	10.8	8.7	13.1

Manual Integrations
APPROVED

MMDadoda
2/27/2019 5:20:34 PM



#96
1,2,3-Trichlorobenzene
Concen: 50.868 ug/l
RT: 15.56 min Scan# 2240
Delta R.T. 0.00 min
Lab File: VW008821.D
Acq: 26 Feb 2019 10:38

Tgt Ion	Ratio	Lower	Upper
180	100		
182	96.9	46.9	140.8
145	31.9	15.9	47.6

