

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW091719\
 Data File : VW013102.D
 Acq On : 17 Sep 2019 20:21
 Operator : SY/VA
 Sample : VSTDCCC050
 Misc : 5.00G/5ML/MSVOA W/SOIL
 ALS Vial : 26 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

MMDadoda
 9/19/2019 1:27:27 AM

Quant Time: Sep 18 07:11:04 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W091419S.M
 Quant Title : SW846 8260
 QLast Update : Fri Sep 13 17:26:01 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	308288	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	472387	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	419197	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.55	152	214616	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.30	65	162504	57.07	ug/l	0.00
Spiked Amount			Recovery	=	114.14%	
35) Dibromofluoromethane	7.88	113	138673	54.10	ug/l	0.00
Spiked Amount			Recovery	=	108.20%	
50) Toluene-d8	10.32	98	540852	53.92	ug/l	0.00
Spiked Amount			Recovery	=	107.84%	
62) 4-Bromofluorobenzene	12.62	95	199061	55.19	ug/l	0.00
Spiked Amount			Recovery	=	110.38%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	2.01	85	60444	51.344	ug/l	96
3) Chloromethane	2.21	50	82938	56.542	ug/l	99
4) Vinyl Chloride	2.36	62	107096	48.534	ug/l	98
5) Bromomethane	2.76	94	62470	46.358	ug/l	98
6) Chloroethane	2.91	64	69474	51.334	ug/l	92
7) Trichlorofluoromethane	3.25	101	64981	42.111	ug/l	99
8) Diethyl Ether	3.68	74	66177	54.924	ug/l	97
9) 1,1,2-Trichlorotrifluoroet	4.06	101	113158	48.350	ug/l	100
10) Methyl Iodide	4.27	142	149213	50.944	ug/l	99
11) Tert butyl alcohol	5.18	59	56008	295.282	ug/l #	85
12) 1,1-Dichloroethene	4.04	96	103891	48.821	ug/l	94
13) Acrolein	3.89	56	59178	282.857	ug/l	100
14) Allyl chloride	4.67	41	212100	52.502	ug/l	97
15) Acrylonitrile	5.37	53	181570	295.048	ug/l	98
16) Acetone	4.12	43	159155	258.252	ug/l	97
17) Carbon Disulfide	4.38	76	190806	44.994	ug/l	100
18) Methyl Acetate	4.67	43	95318	58.760	ug/l	95
19) Methyl tert-butyl Ether	5.42	73	240129	57.166	ug/l	95
20) Methylene Chloride	4.91	84	129200	56.881	ug/l	93
21) trans-1,2-Dichloroethene	5.42	96	114964	50.442	ug/l	98
22) Diisopropyl ether	6.31	45	488667	58.227	ug/l	97
23) Vinyl Acetate	6.25	43	1469227	292.292	ug/l	99
24) 1,1-Dichloroethane	6.21	63	259428	53.614	ug/l	99
25) 2-Butanone	7.17	43	257083	283.956	ug/l	99
26) 2,2-Dichloropropane	7.16	77	152921	49.778	ug/l	98
27) cis-1,2-Dichloroethene	7.17	96	146276	53.608	ug/l	99
28) Bromochloromethane	7.51	49	124840	61.296	ug/l	95
29) Tetrahydrofuran	7.52	42	159373	308.947	ug/l	97
30) Chloroform	7.67	83	260868	53.058	ug/l	97
31) Cyclohexane	7.95	56	191205	52.885	ug/l	94
32) 1,1,1-Trichloroethane	7.87	97	201177	49.686	ug/l	97
36) 1,1-Dichloropropene	8.08	75	180067	47.703	ug/l	100
37) Ethyl Acetate	7.25	43	111228	55.514	ug/l	99
38) Carbon Tetrachloride	8.06	117	174248	45.045	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.34	83	194447	47.009	ug/l	98
40) Benzene	8.32	78	523036	49.634	ug/l	99
41) Methacrylonitrile	7.48	41	71750	54.379	ug/l	97
42) 1,2-Dichloroethane	8.40	62	178592	50.556	ug/l	98
43) Isopropyl Acetate	8.42	43	212998	55.367	ug/l	99
44) Trichloroethene	9.09	130	136844	47.409	ug/l	97
45) 1,2-Dichloropropane	9.37	63	148206	52.935	ug/l	99
46) Dibromomethane	9.46	93	70394	52.479	ug/l	99
47) Bromodichloromethane	9.64	83	197071	52.377	ug/l	97
48) Methyl methacrylate	9.43	41	100766	55.812	ug/l	98
49) 1,4-Dioxane	9.46	88	22972	1022.056	ug/l #	75
51) 4-Methyl-2-Pentanone	10.21	43	561782	282.854	ug/l	100
52) Toluene	10.38	92	339604	50.716	ug/l	99
53) t-1,3-Dichloropropene	10.60	75	195963	51.787	ug/l	99
54) cis-1,3-Dichloropropene	10.07	75	223820	51.695	ug/l	99
55) 1,1,2-Trichloroethane	10.79	97	108458	53.076	ug/l	98
56) Ethyl methacrylate	10.65	69	156332	56.838	ug/l	99
57) 1,3-Dichloropropane	10.93	76	194985	53.791	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.92	63	425068	288.093	ug/l	99
59) 2-Hexanone	10.97	43	383152	277.053	ug/l	100
60) Dibromochloromethane	11.13	129	128059	51.836	ug/l	97
61) 1,2-Dibromoethane	11.23	107	101298	54.342	ug/l	98
64) Tetrachloroethene	10.86	164	118800	47.638	ug/l	97
65) Chlorobenzene	11.66	112	371018	49.689	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.73	131	142661	49.856	ug/l	99
67) Ethyl Benzene	11.73	91	680612	49.354	ug/l	99
68) m/p-Xylenes	11.84	106	502334	99.713	ug/l	100
69) o-Xylene	12.16	106	241957	51.229	ug/l	100
70) Styrene	12.18	104	431831	51.397	ug/l	99
71) Bromoform	12.35	173	78637	52.319	ug/l #	99
73) Isopropylbenzene	12.46	105	682154	47.954	ug/l	99
74) N-amyl acetate	12.27	43	203869	55.712	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.71	83	132617	53.079	ug/l	99
76) 1,2,3-Trichloropropane	12.77	75	107235m	57.044	ug/l	
77) Bromobenzene	12.74	156	162673	49.638	ug/l	99
78) n-propylbenzene	12.80	91	806679	48.208	ug/l	100
79) 2-Chlorotoluene	12.89	91	473703	49.245	ug/l	99
80) 1,3,5-Trimethylbenzene	12.94	105	583092	48.451	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.51	75	41297	49.834	ug/l	98
82) 4-Chlorotoluene	12.99	91	498225	49.089	ug/l	99
83) tert-Butylbenzene	13.21	119	519356	48.247	ug/l	99
84) 1,2,4-Trimethylbenzene	13.25	105	587821	49.429	ug/l	99
85) sec-Butylbenzene	13.38	105	710817	48.467	ug/l	99
86) p-Isopropyltoluene	13.50	119	651011	48.348	ug/l	100
87) 1,3-Dichlorobenzene	13.50	146	316318	48.759	ug/l	99
88) 1,4-Dichlorobenzene	13.58	146	312267	48.981	ug/l	99
89) n-Butylbenzene	13.82	91	620880	48.893	ug/l	99
90) Hexachloroethane	14.09	117	113476	47.027	ug/l	97
91) 1,2-Dichlorobenzene	13.87	146	286033	50.137	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.48	75	22652	49.531	ug/l	98

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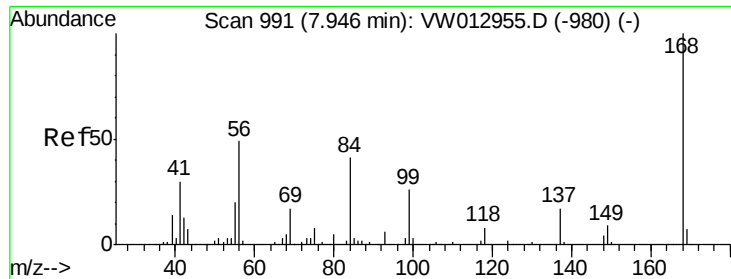
Manual Integrations
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.13	180	213175	52.394	ug/l	99
94) Hexachlorobutadiene	15.24	225	133645	46.400	ug/l	98
95) Naphthalene	15.36	128	377374	55.511	ug/l	100
96) 1,2,3-Trichlorobenzene	15.55	180	183680	51.070	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.00 min

Lab File: VW013102.D

Acq: 17 Sep 2019 20:21

Instrument :

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ClientSampleId :

VSTDCCC050EC

Tot Ion:168 Resp: 308288

Ion Ratio Lower Upper

168 100

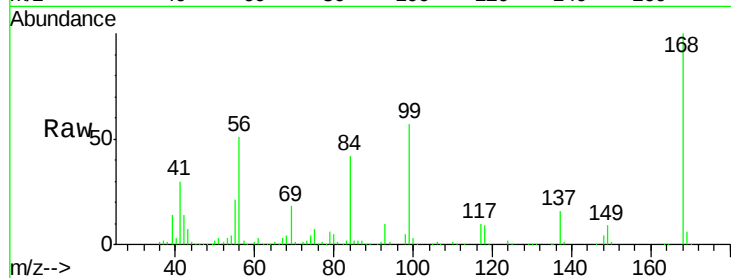
99 56.6 46.2 69.2

Manual Integrations

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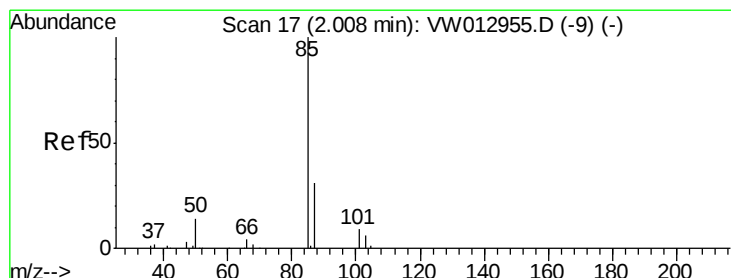
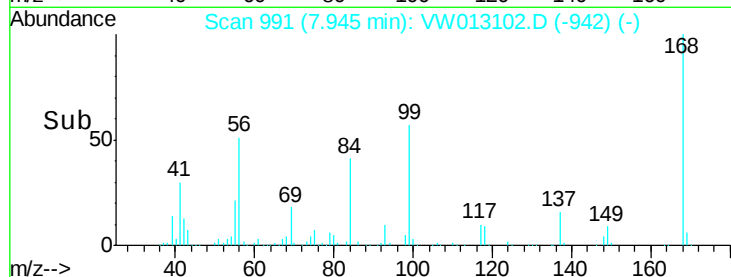
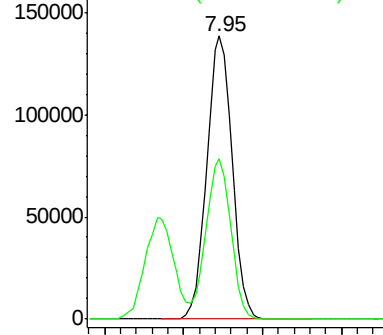
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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW



#2

Dichlorodifluoromethane

Concen: 51.344 ug/l

RT: 2.01 min Scan# 17

Delta R.T. 0.00 min

Lab File: VW013102.D

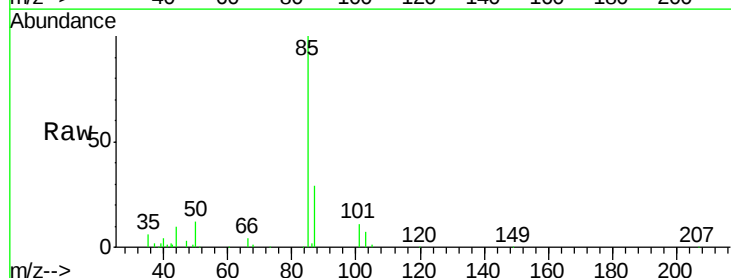
Acq: 17 Sep 2019 20:21

Tgt Ion: 85 Resp: 60444

Ion Ratio Lower Upper

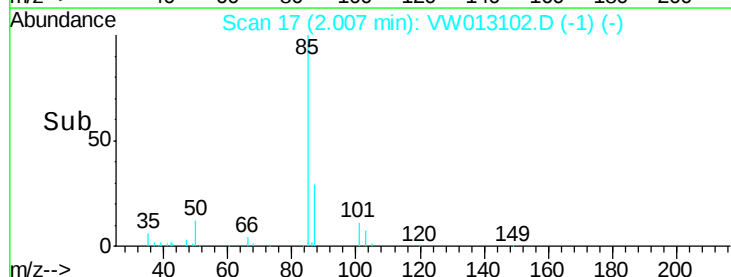
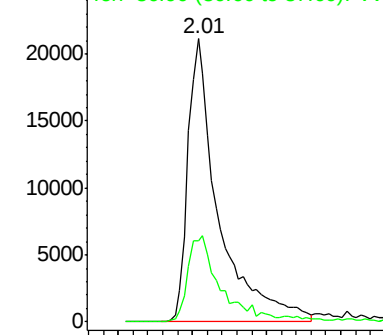
85 100

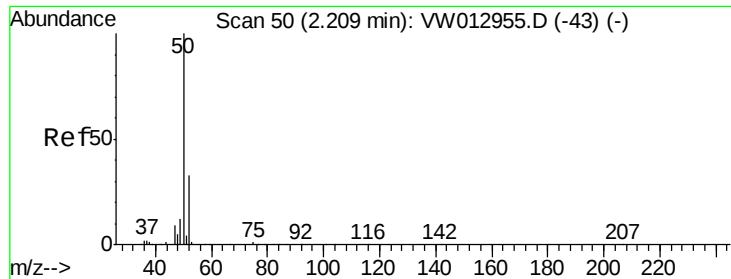
87 28.5 15.4 46.4



Abundance Ion 84.90 (84.60 to 85.60): VW

Ion 86.90 (86.60 to 87.60): VW





#3

Chloromethane

Concen: 56.542 ug/l

RT: 2.21 min Scan# 50

Delta R.T. 0.00 min

Lab File: VW013102.D

Acq: 17 Sep 2019 20:21

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

Tot Ion: 50 Resp: 82938

Ion Ratio Lower Upper

50 100

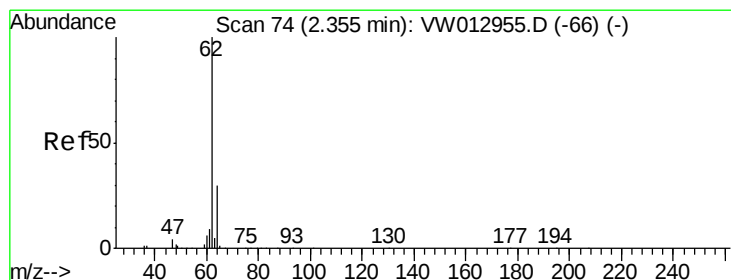
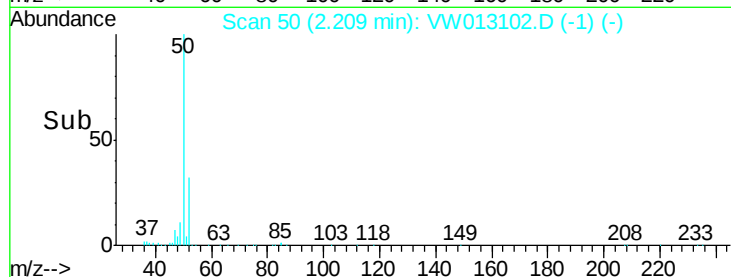
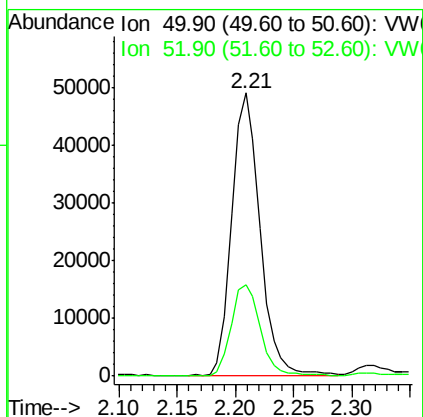
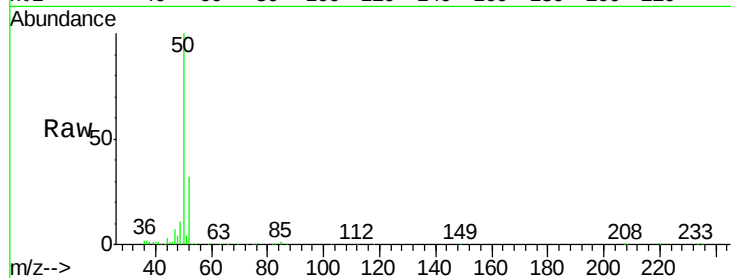
52 32.4 26.6 39.8

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#4

Vinyl Chloride

Concen: 48.534 ug/l

RT: 2.36 min Scan# 75

Delta R.T. 0.01 min

Lab File: VW013102.D

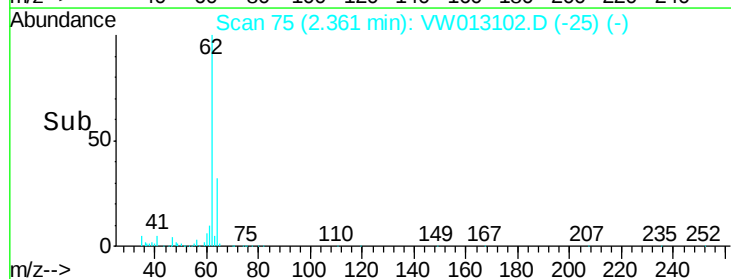
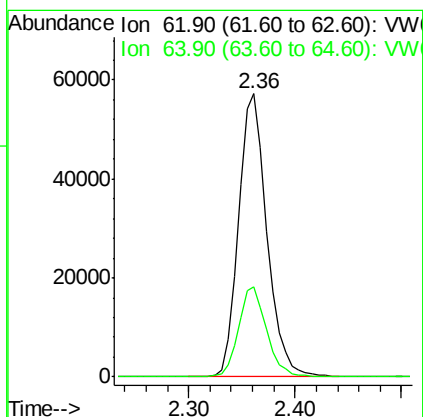
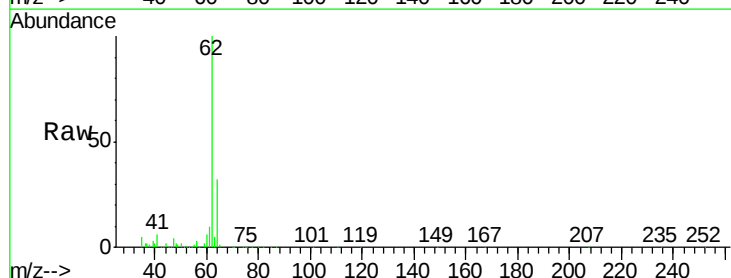
Acq: 17 Sep 2019 20:21

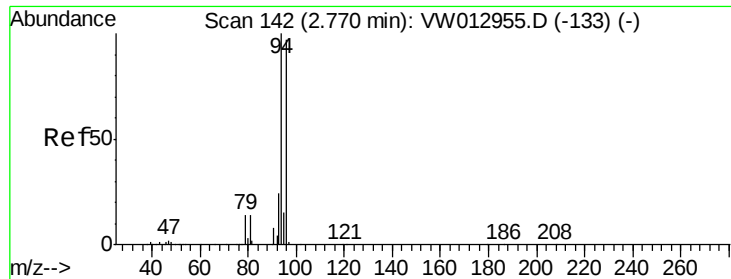
Tgt Ion: 62 Resp: 107096

Ion Ratio Lower Upper

62 100

64 31.6 24.2 36.4





#5

Bromomethane

Concen: 46.358 ug/l

RT: 2.76 min Scan# 141

Delta R.T. -0.01 min

Lab File: VW013102.D

Acq: 17 Sep 2019 20:21

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

Tot Ion: 94 Resp: 62470

Ion Ratio Lower Upper

94 100

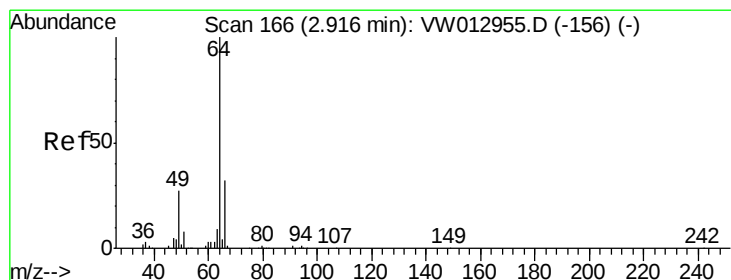
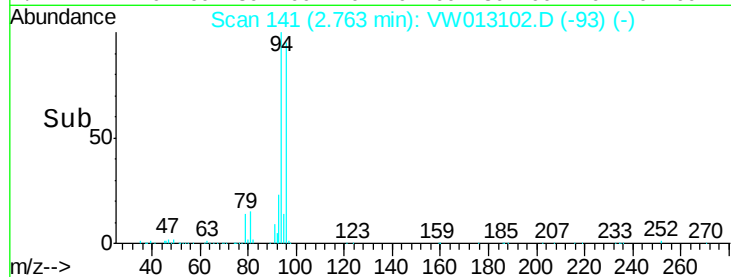
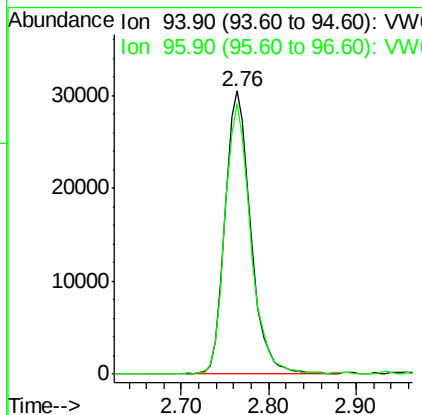
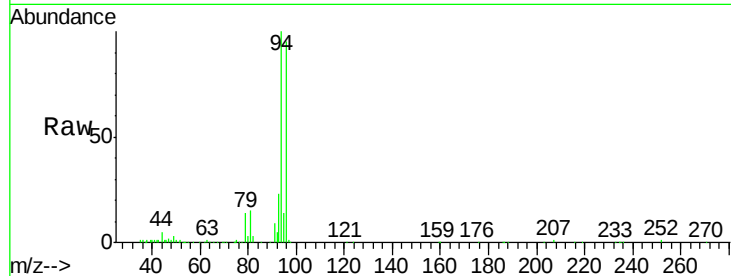
96 95.0 77.8 116.6

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#6

Chloroethane

Concen: 51.334 ug/l

RT: 2.91 min Scan# 165

Delta R.T. -0.01 min

Lab File: VW013102.D

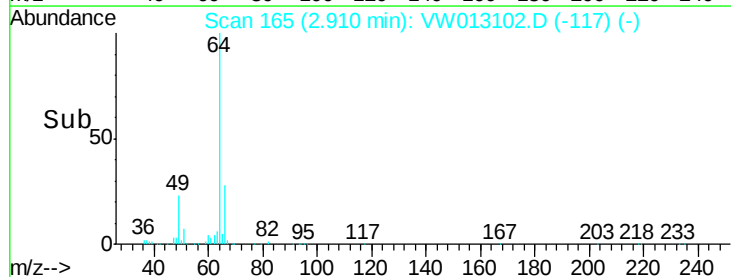
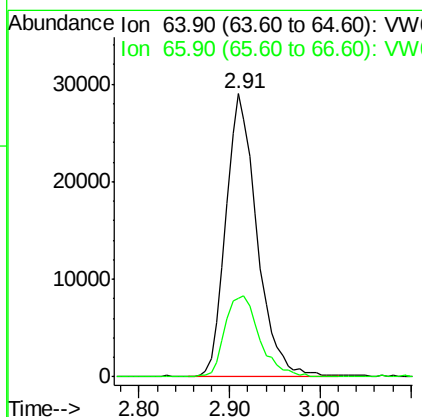
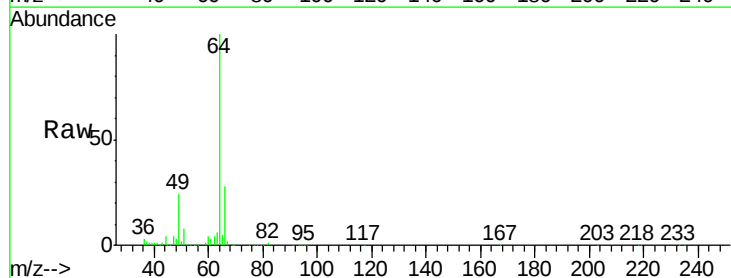
Acq: 17 Sep 2019 20:21

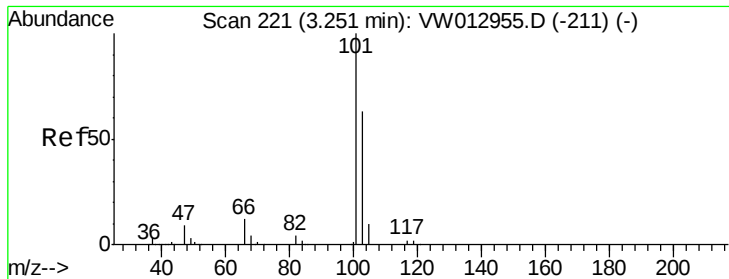
Tgt Ion: 64 Resp: 69474

Ion Ratio Lower Upper

64 100

66 27.7 25.9 38.9





#7

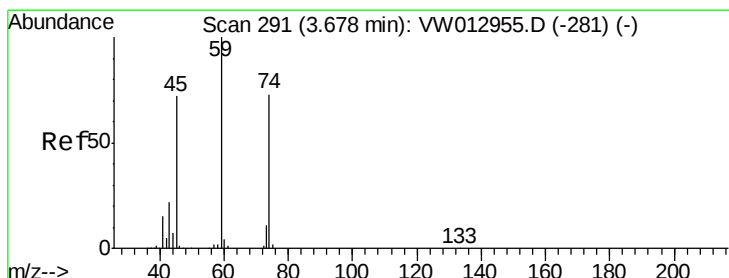
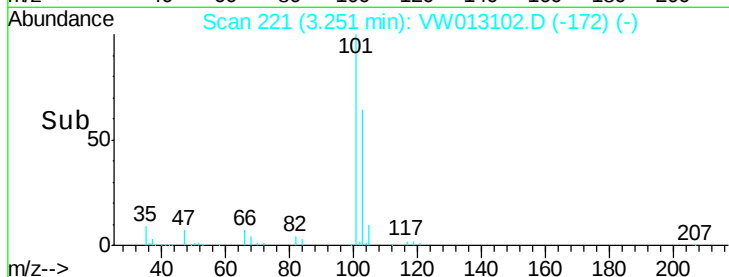
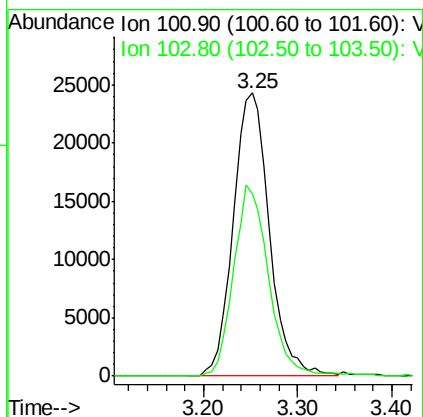
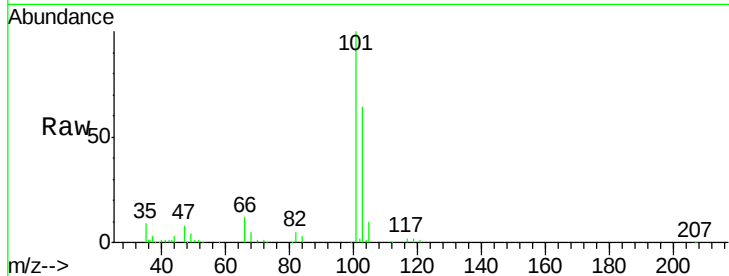
Trichlorofluoromethane
 Concen: 42.111 ug/l
 RT: 3.25 min Scan# 221
 Delta R.T. -0.00 min
 Lab File: VW013102.D
 Acq: 17 Sep 2019 20:21

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Tot Ion	Ratio	Lower	Upper
101	100		
103	64.3	50.7	76.1

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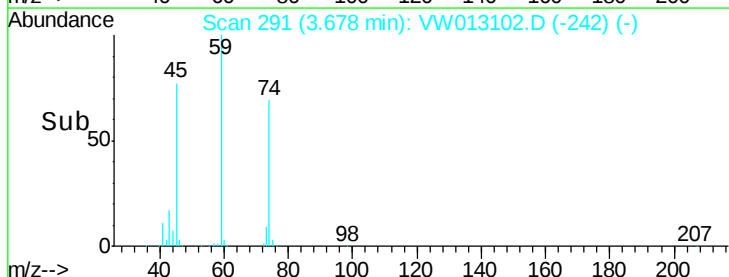
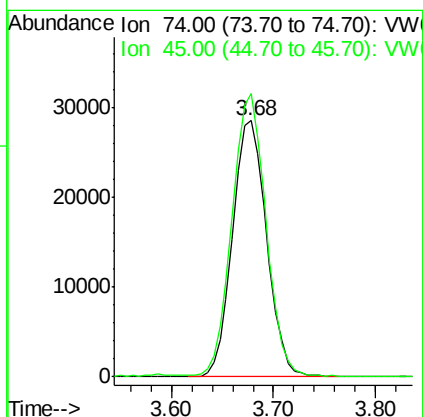
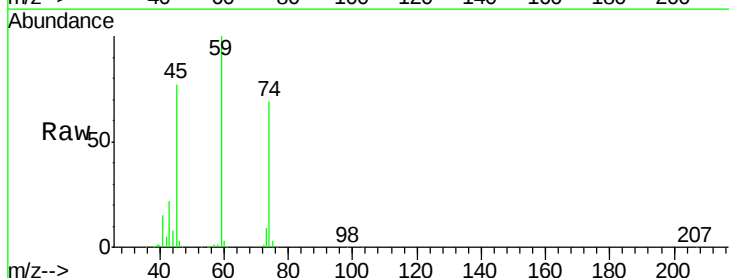
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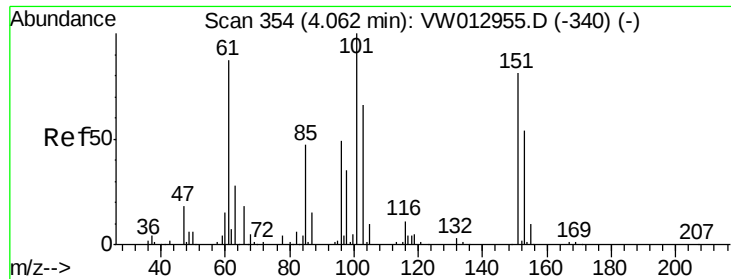


#8

Diethyl Ether
 Concen: 54.924 ug/l
 RT: 3.68 min Scan# 291
 Delta R.T. -0.00 min
 Lab File: VW013102.D
 Acq: 17 Sep 2019 20:21

Tgt Ion	Ratio	Lower	Upper
74	100		
45	111.1	53.8	161.4





#9

1,1,2-Trichlorotrifluoroethane

Concen: 48.350 ug/l

RT: 4.06 min Scan# 353

Delta R.T. -0.01 min

Lab File: VW013102.D

Acq: 17 Sep 2019 20:21

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MSVOA_W

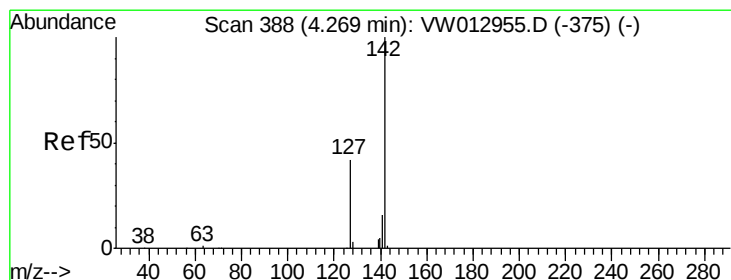
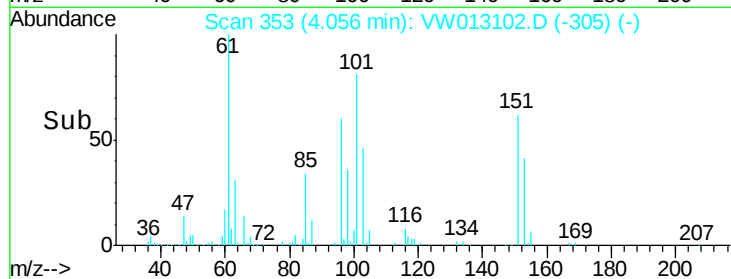
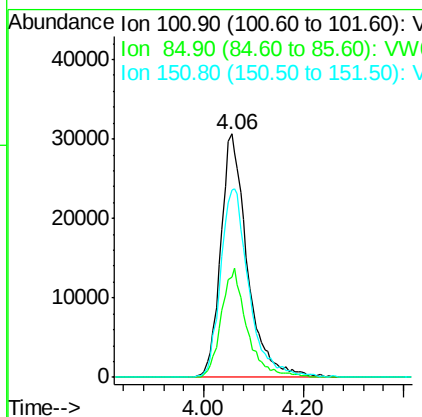
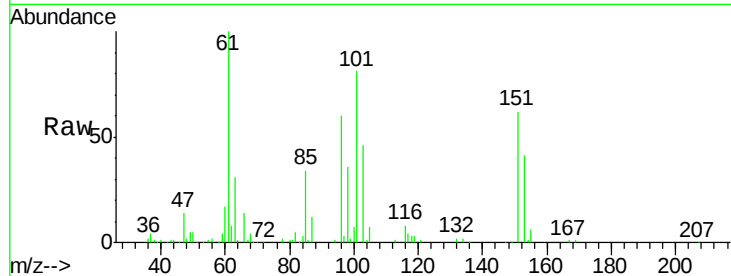
ClientSampleId :

VSTDCCC050EC

Tot Ion:	101	Resp:	113158
Ion Ratio	Lower	Upper	
101	100		
85	43.2	34.9	52.3
151	82.5	66.0	99.0

Manual Integrations
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#10

Methyl Iodide

Concen: 50.944 ug/l

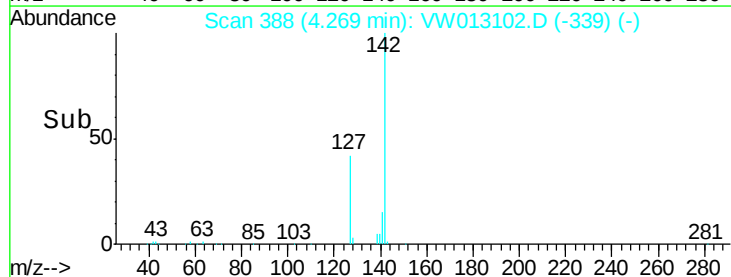
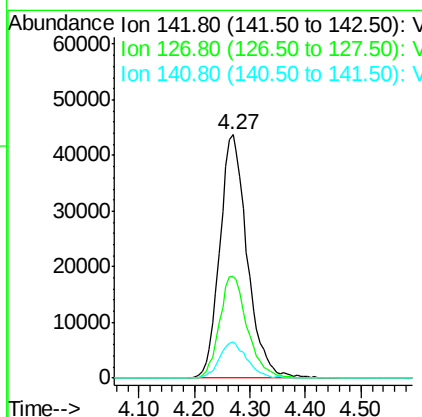
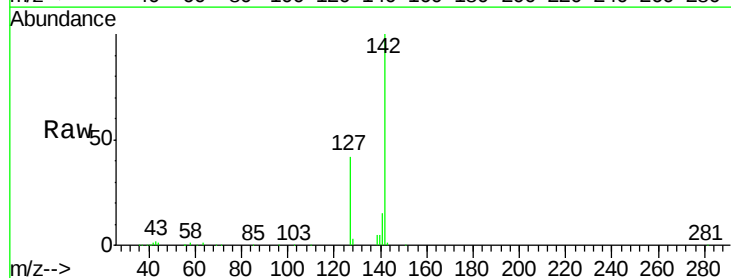
RT: 4.27 min Scan# 388

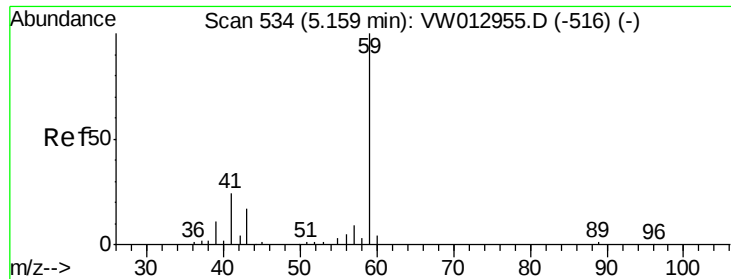
Delta R.T. -0.00 min

Lab File: VW013102.D

Acq: 17 Sep 2019 20:21

Tgt Ion:	142	Resp:	149213
Ion Ratio	Lower	Upper	
142	100		
127	42.4	34.7	52.1
141	14.8	12.2	18.2





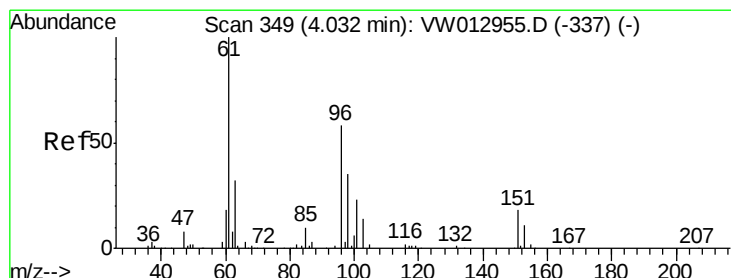
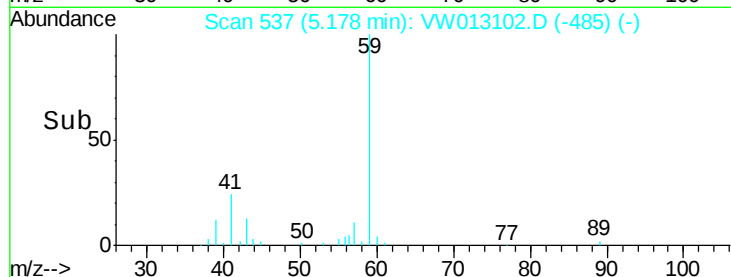
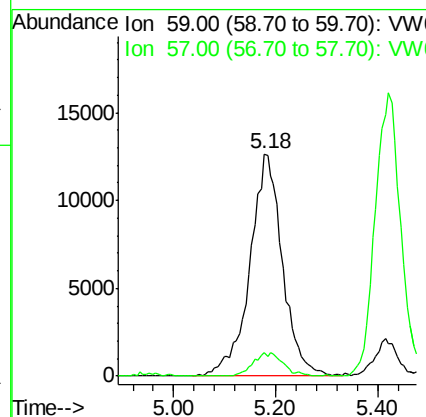
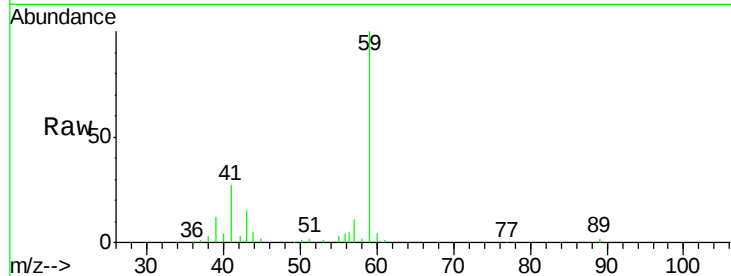
#11
Tert butyl alcohol
Concen: 295.282 ug/l
RT: 5.18 min Scan# 537
Delta R.T. 0.02 min
Lab File: VW013102.D
Acq: 17 Sep 2019 20:21

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
59	100		
57	4.9	8.5	12.7#

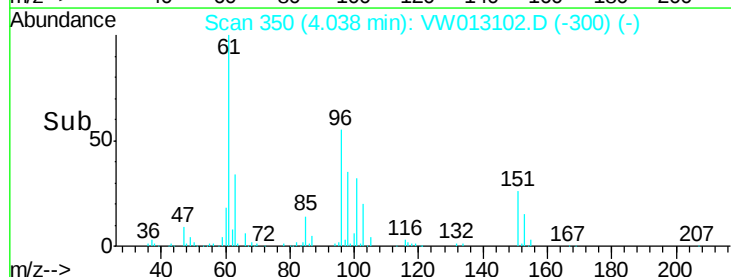
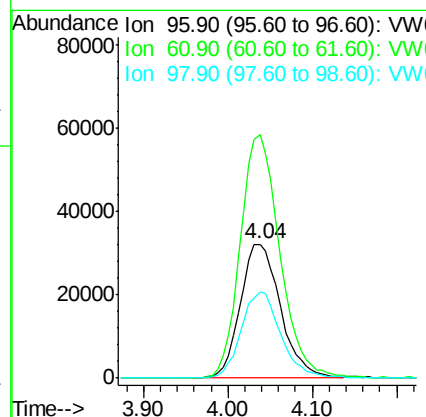
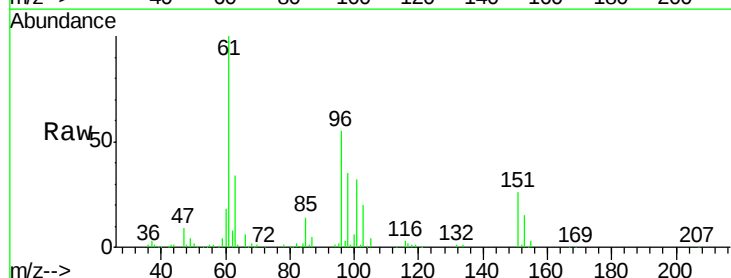
Manual Integrations
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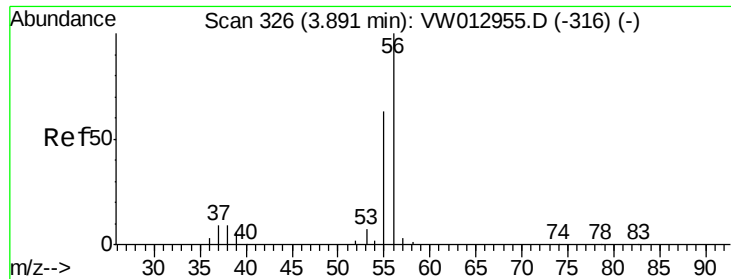
MMDadoda
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#12
1,1-Dichloroethene
Concen: 48.821 ug/l
RT: 4.04 min Scan# 350
Delta R.T. 0.01 min
Lab File: VW013102.D
Acq: 17 Sep 2019 20:21

Tgt Ion	Ratio	Lower	Upper
96	100		
61	181.8	137.9	206.9
98	64.5	48.9	73.3





#13

Acrolein

Concen: 282.857 ug/l

RT: 3.89 min Scan# 325

Delta R.T. -0.01 min

Lab File: VW013102.D

Acq: 17 Sep 2019 20:21

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

Tot Ion: 56 Resp: 59178

Ion Ratio Lower Upper

56 100

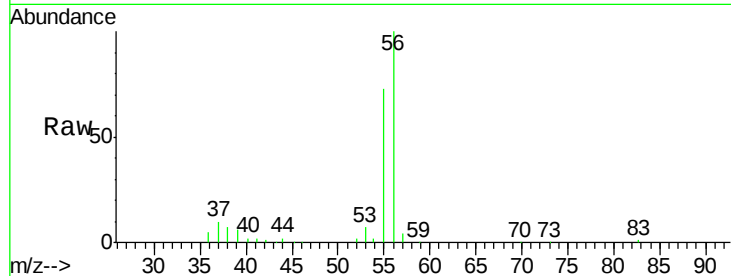
55 69.8 55.8 83.8

Manual Integrations

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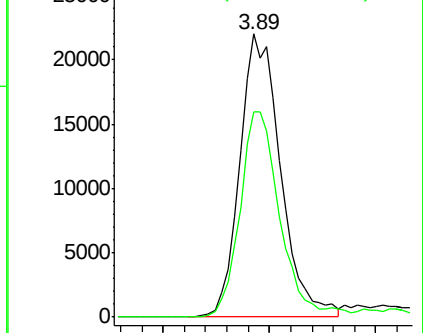
MMDadoda

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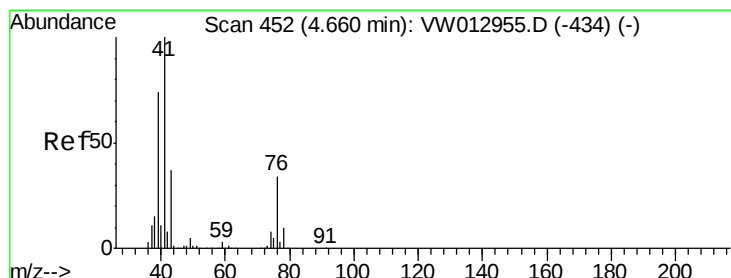
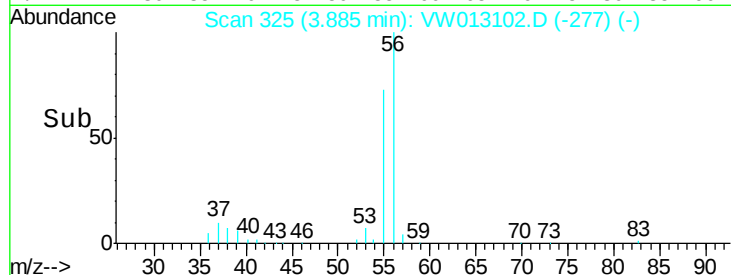


Abundance Ion 56.00 (55.70 to 56.70): VW

Ion 55.00 (54.70 to 55.70): VW



Time-->



#14

Allyl chloride

Concen: 52.502 ug/l

RT: 4.67 min Scan# 453

Delta R.T. 0.01 min

Lab File: VW013102.D

Acq: 17 Sep 2019 20:21

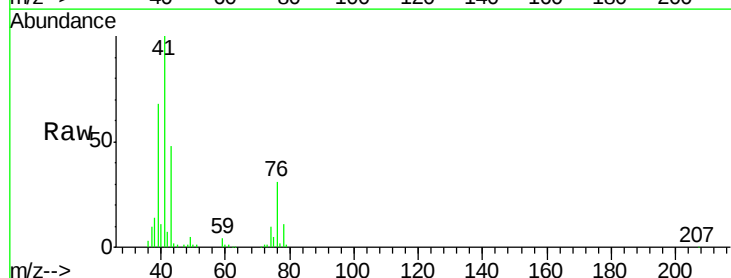
Tgt Ion: 41 Resp: 212100

Ion Ratio Lower Upper

41 100

39 67.5 56.7 85.1

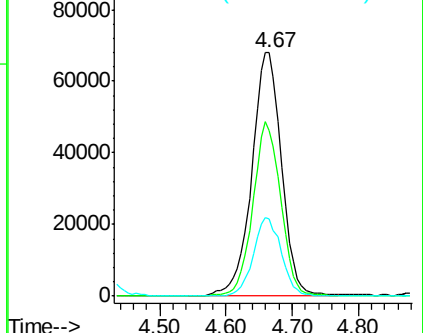
76 30.3 25.1 37.7



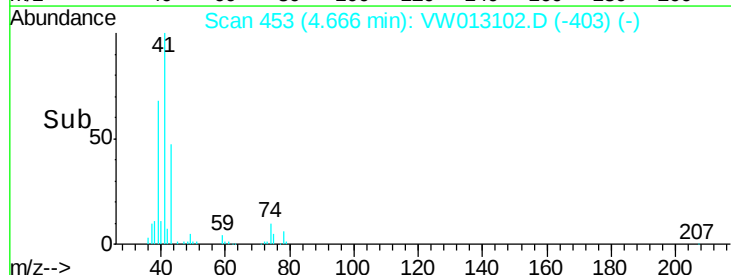
Abundance Ion 41.00 (40.70 to 41.70): VW

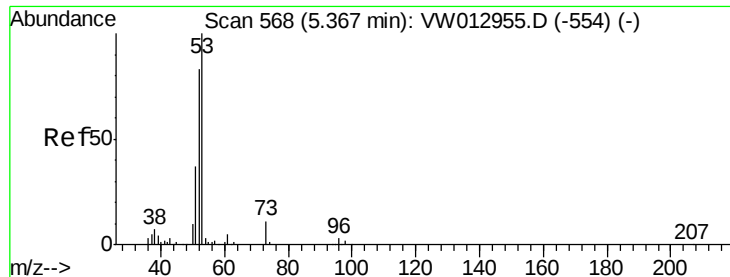
Ion 39.00 (38.70 to 39.70): VW

Ion 75.90 (75.60 to 76.60): VW



Time-->





#15

Acrylonitrile

Concen: 295.048 ug/l

RT: 5.37 min Scan# 568

Delta R.T. -0.00 min

Lab File: VW013102.D

Acq: 17 Sep 2019 20:21

Instrument :

MSVOA_W

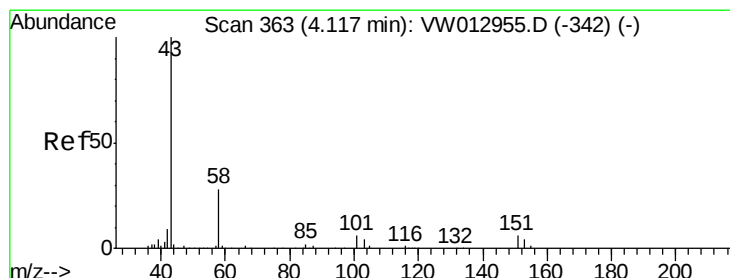
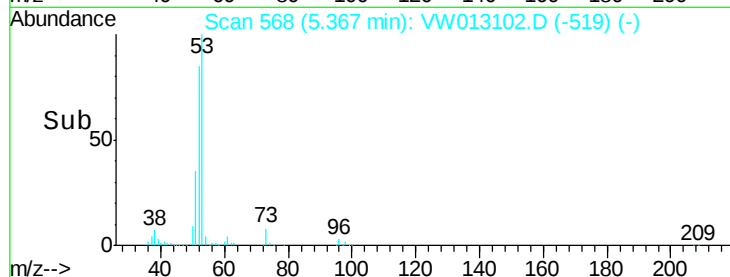
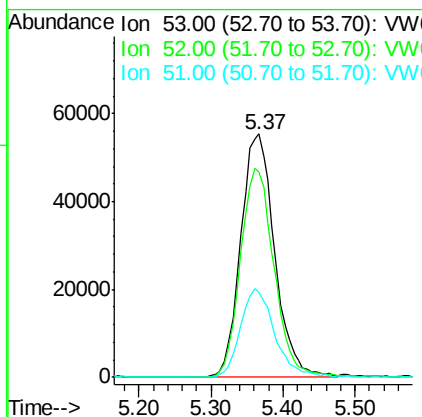
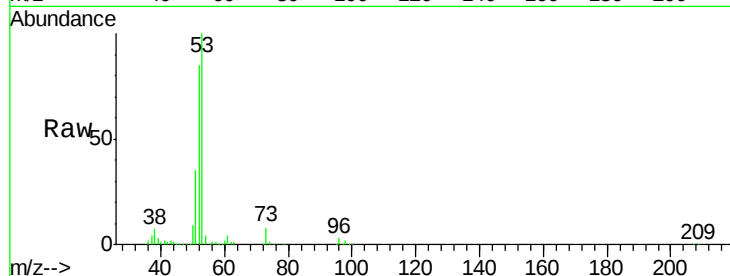
ClientSampleId :

VSTDCCC050EC

Tot Ion:	53	Resp:	181570
Ion Ratio	Lower	Upper	
53	100		
52	85.2	66.6	100.0
51	36.8	29.8	44.8

Manual Integrations
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#16

Acetone

Concen: 258.252 ug/l

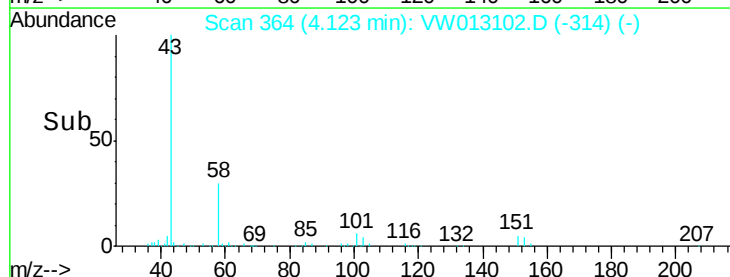
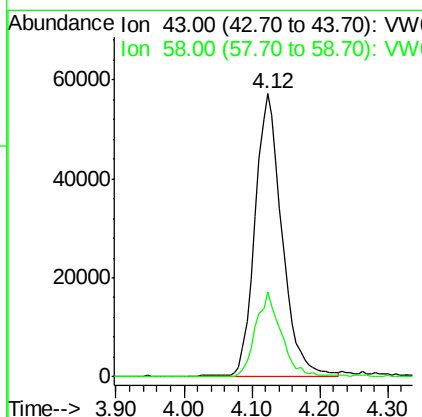
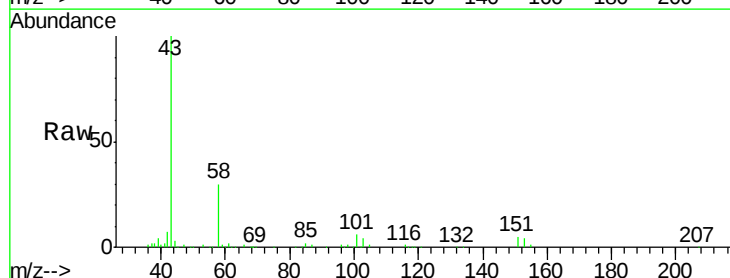
RT: 4.12 min Scan# 364

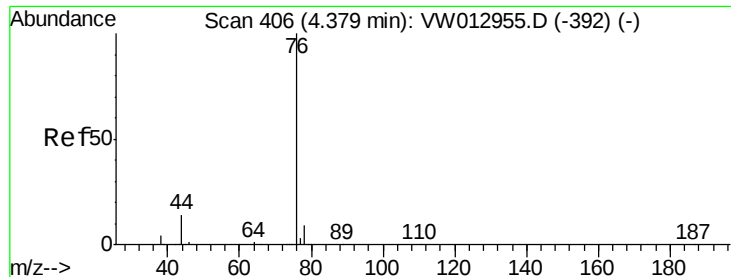
Delta R.T. 0.01 min

Lab File: VW013102.D

Acq: 17 Sep 2019 20:21

Tgt Ion:	43	Resp:	159155
Ion Ratio	Lower	Upper	
43	100		
58	29.7	22.3	33.5





#17

Carbon Disulfide

Concen: 44.994 ug/l

RT: 4.38 min Scan# 406

Delta R.T. -0.00 min

Lab File: VW013102.D

Acq: 17 Sep 2019 20:21

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

Tot Ion: 76 Resp: 190806

Ion Ratio Lower Upper

76 100

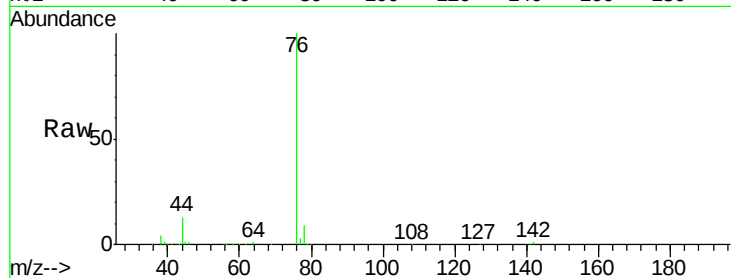
78 8.8 7.0 10.4

Manual Integrations

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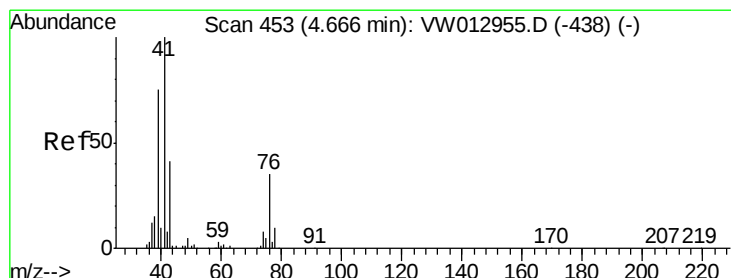
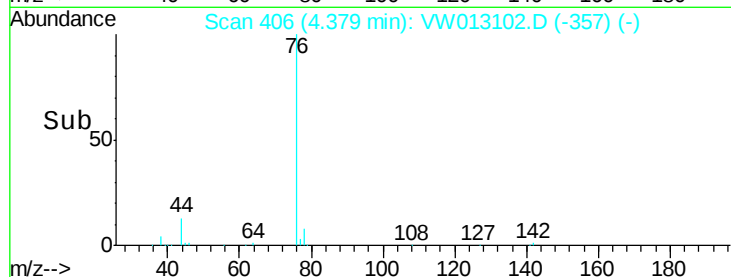
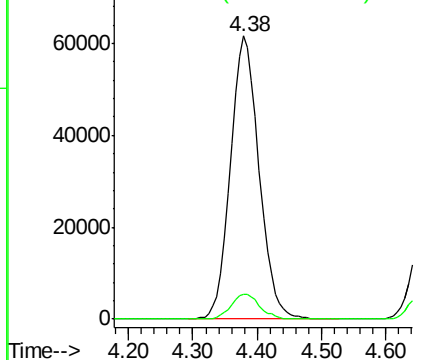
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Abundance Ion 75.90 (75.60 to 76.60): VW

Ion 77.90 (77.60 to 78.60): VW



#18

Methyl Acetate

Concen: 58.760 ug/l

RT: 4.67 min Scan# 453

Delta R.T. -0.00 min

Lab File: VW013102.D

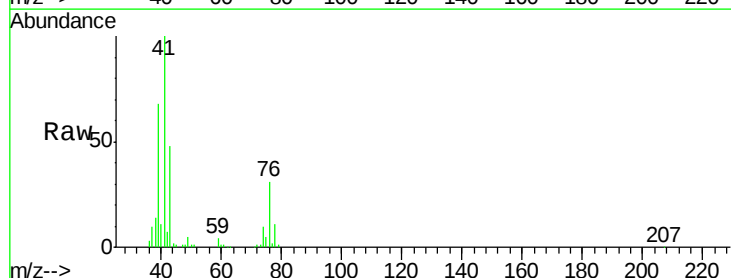
Acq: 17 Sep 2019 20:21

Tgt Ion: 43 Resp: 95318

Ion Ratio Lower Upper

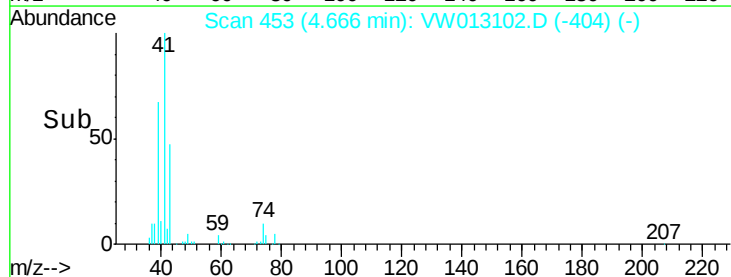
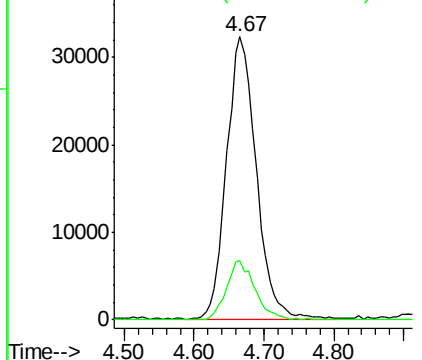
43 100

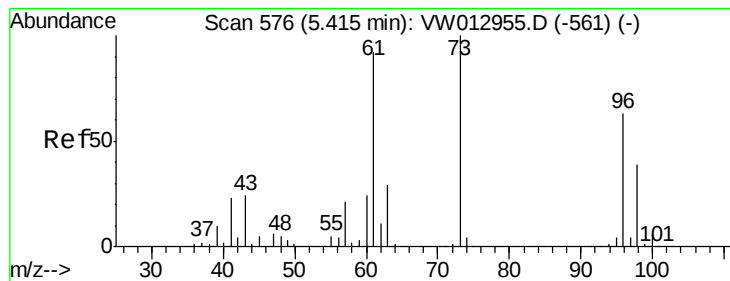
74 20.1 17.8 26.8



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 74.00 (73.70 to 74.70): VW





#19

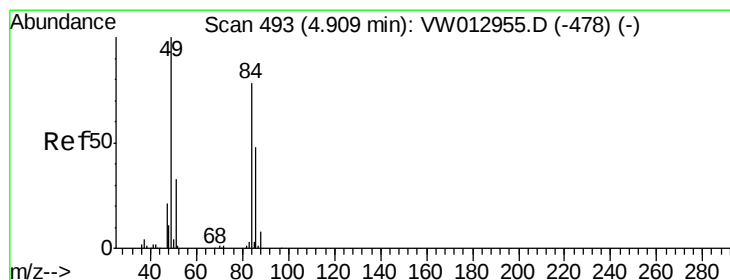
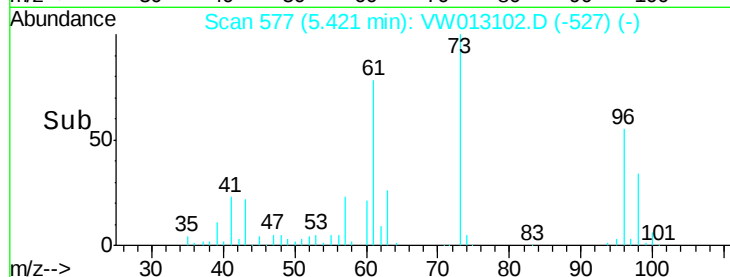
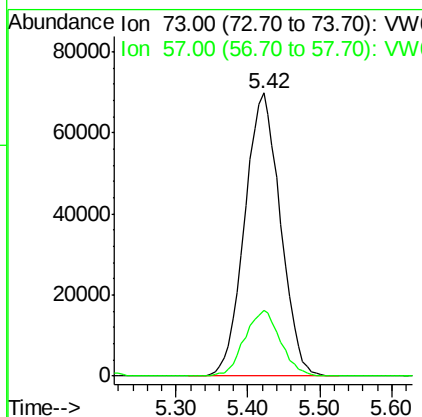
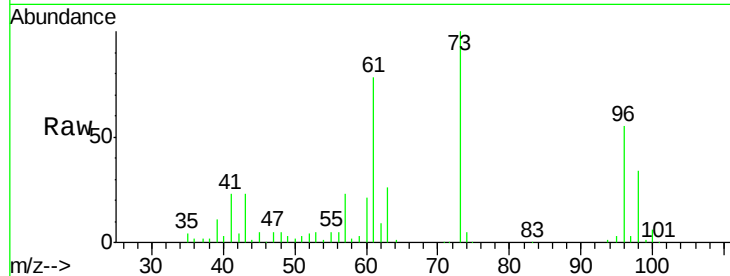
Methyl tert-butyl Ether
 Concen: 57.166 ug/l
 RT: 5.42 min Scan# 577
 Delta R.T. 0.01 min
 Lab File: VW013102.D
 Acq: 17 Sep 2019 20:21

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
73	100		
57	23.0	16.4	24.6

Manual Integrations
 APPROVED

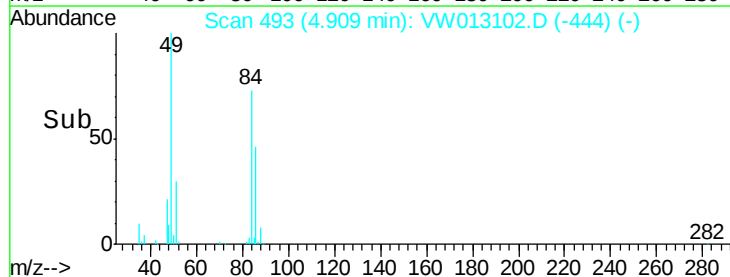
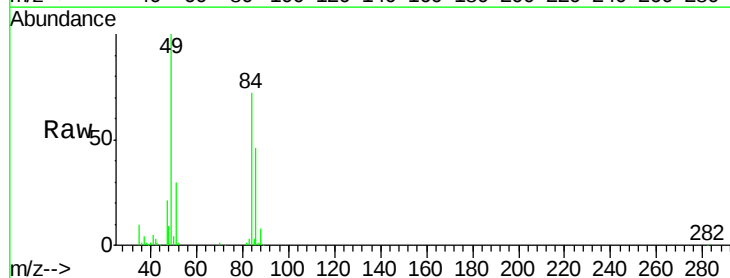
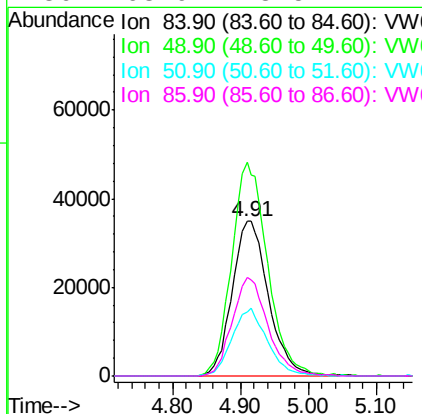
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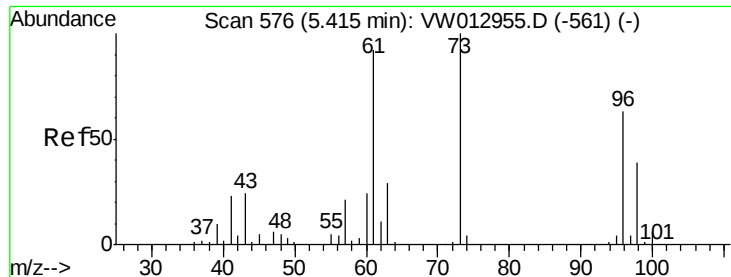


#20

Methylene Chloride
 Concen: 56.881 ug/l
 RT: 4.91 min Scan# 493
 Delta R.T. 0.00 min
 Lab File: VW013102.D
 Acq: 17 Sep 2019 20:21

Tgt Ion	Ratio	Lower	Upper
84	100		
49	138.0	102.0	153.0
51	41.4	34.0	51.0
86	63.9	48.5	72.7





#21

trans-1,2-Dichloroethene

Concen: 50.442 ug/l

RT: 5.42 min Scan# 577

Delta R.T. 0.01 min

Lab File: VW013102.D

Acq: 17 Sep 2019 20:21

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

Tot Ion: 96 Resp: 114964

Ion Ratio Lower Upper

96 100

61 142.3 116.2 174.2

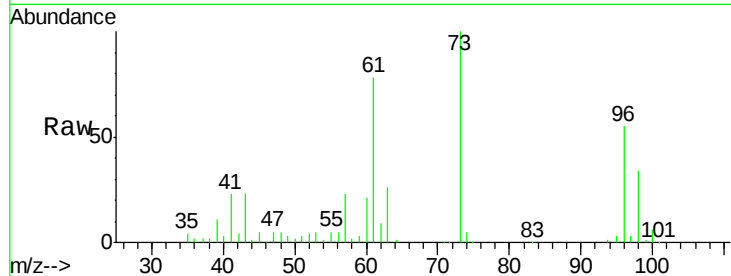
98 62.4 49.8 74.6

Manual Integrations

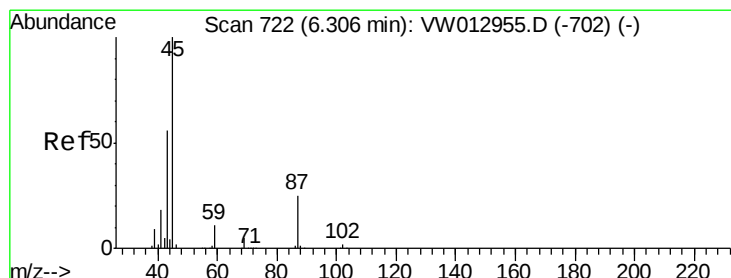
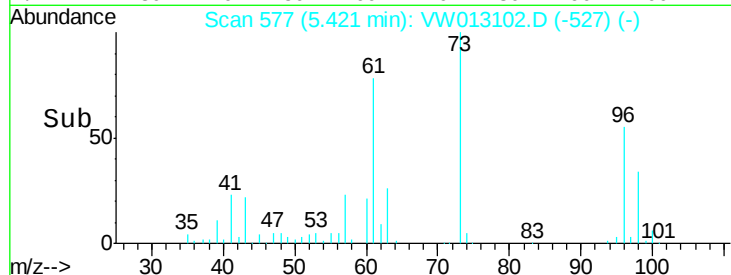
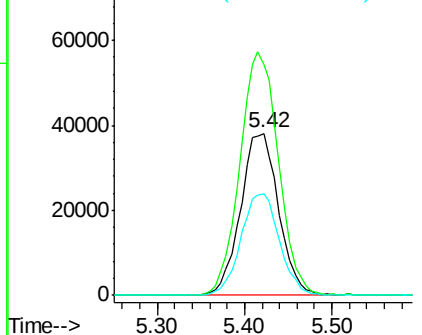
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Abundance Ion 95.90 (95.60 to 96.60): VW
Ion 60.90 (60.60 to 61.60): VW
Ion 97.90 (97.60 to 98.60): VW



#22

Diisopropyl ether

Concen: 58.227 ug/l

RT: 6.31 min Scan# 722

Delta R.T. -0.00 min

Lab File: VW013102.D

Acq: 17 Sep 2019 20:21

Tgt Ion: 45 Resp: 488667

Ion Ratio Lower Upper

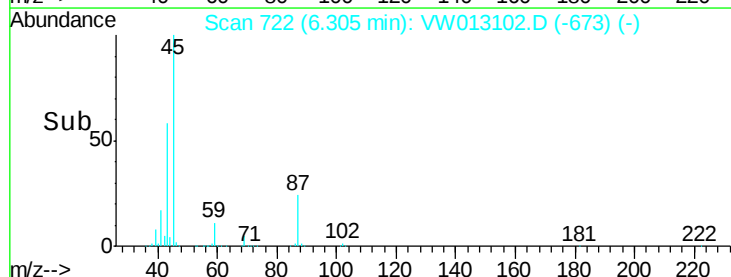
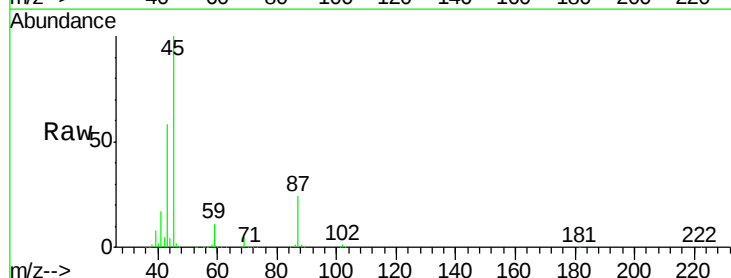
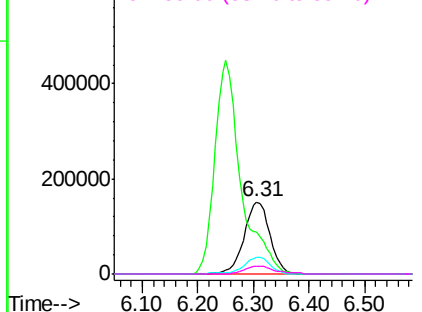
45 100

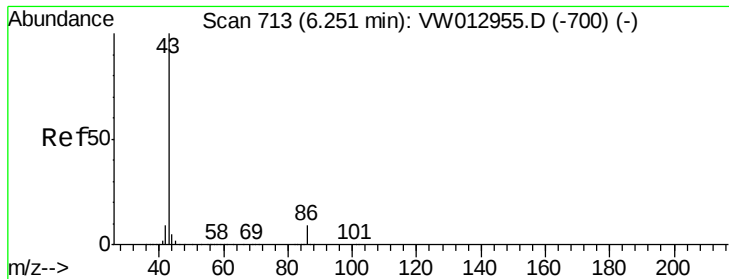
43 57.9 44.6 67.0

87 23.6 20.0 30.0

59 10.5 8.7 13.1

Abundance Ion 45.00 (44.70 to 45.70): VW
Ion 43.00 (42.70 to 43.70): VW
Ion 87.00 (86.70 to 87.70): VW
Ion 59.00 (58.70 to 59.70): VW





#23

Vinyl Acetate

Concen: 292.292 ug/l

RT: 6.25 min Scan# 713

Delta R.T. -0.00 min

Lab File: VW013102.D

Acq: 17 Sep 2019 20:21

Tot Ion: 43 Resp: 1469227

Ion Ratio Lower Upper

43 100

86 9.1 7.0 10.6

Instrument :

MSVOA_W

ClientSampleId :

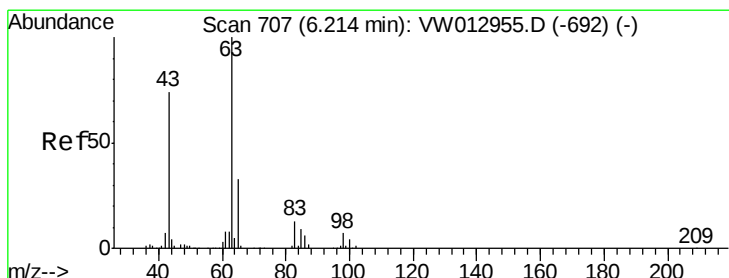
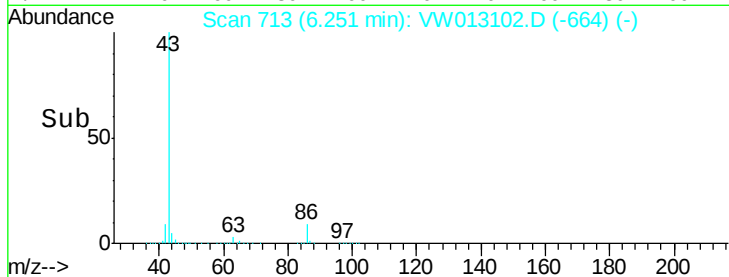
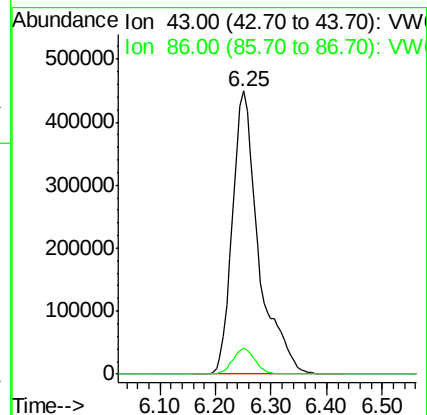
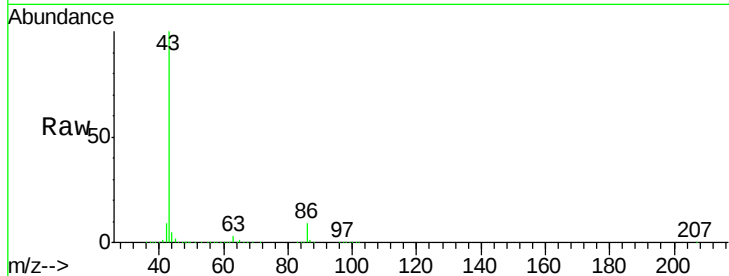
VSTDCCC050EC

Manual Integrations

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#24

1,1-Dichloroethane

Concen: 53.614 ug/l

RT: 6.21 min Scan# 706

Delta R.T. -0.01 min

Lab File: VW013102.D

Acq: 17 Sep 2019 20:21

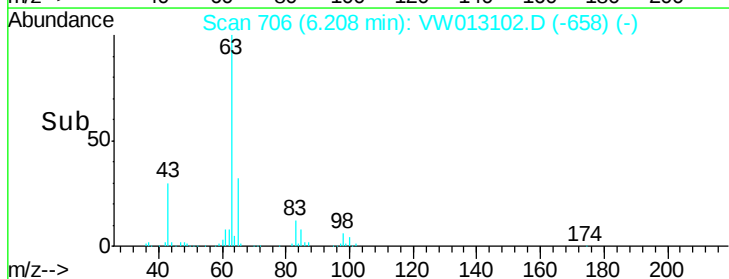
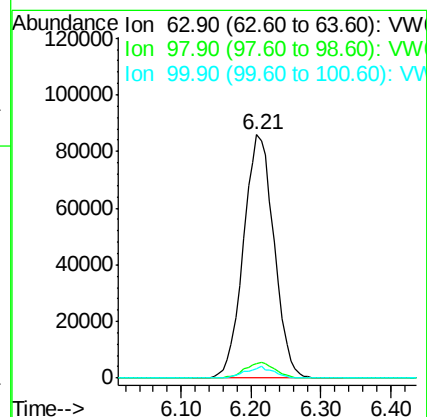
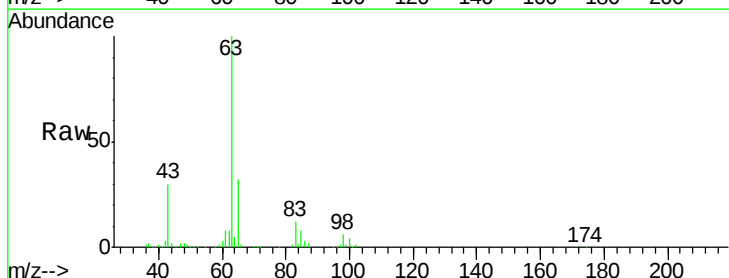
Tgt Ion: 63 Resp: 259428

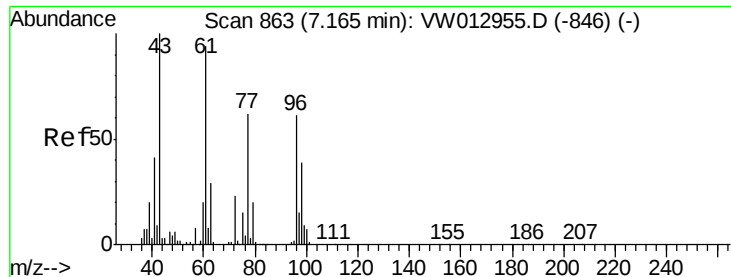
Ion Ratio Lower Upper

63 100

98 6.0 3.3 9.9

100 3.7 1.8 5.5





#25

2-Butanone

Concen: 283.956 ug/l

RT: 7.17 min Scan# 864

Delta R.T. 0.01 min

Lab File: VW013102.D

Acq: 17 Sep 2019 20:21

Tot Ion: 43 Resp: 257083

Ion Ratio Lower Upper

43 100

72 23.4 18.2 27.4

Instrument :

MSVOA_W

ClientSampleId :

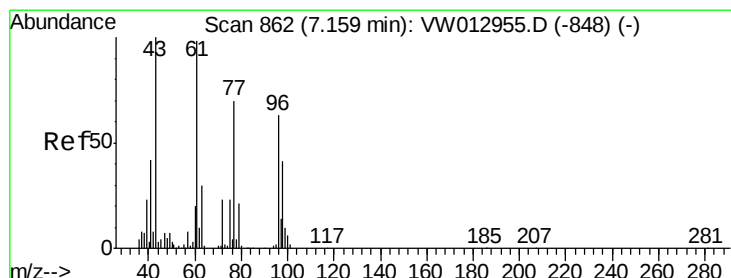
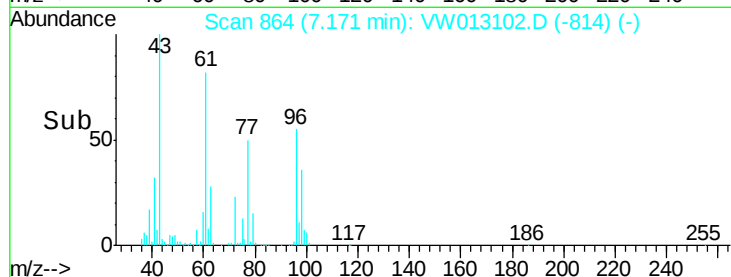
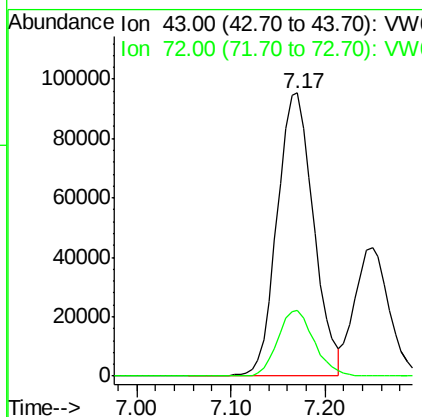
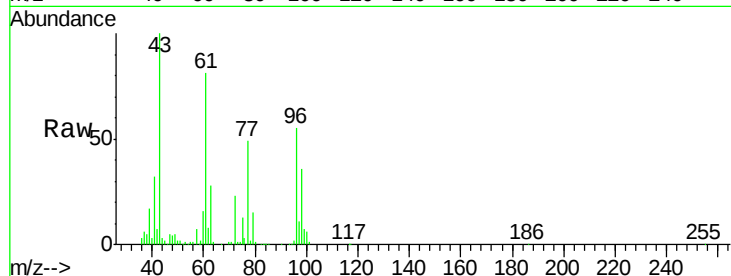
VSTDCCC050EC

Manual Integrations

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MMDadoda

9/19/2019 1:27:27 AM



#26

2,2-Dichloropropane

Concen: 49.778 ug/l

RT: 7.16 min Scan# 862

Delta R.T. -0.00 min

Lab File: VW013102.D

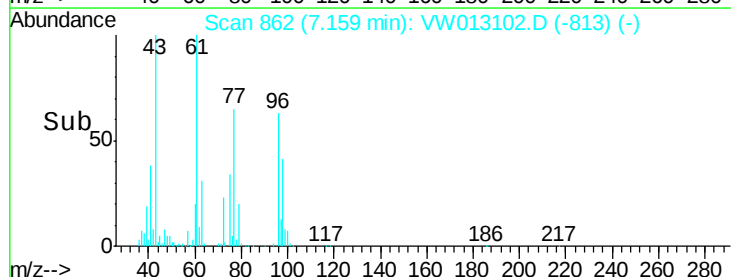
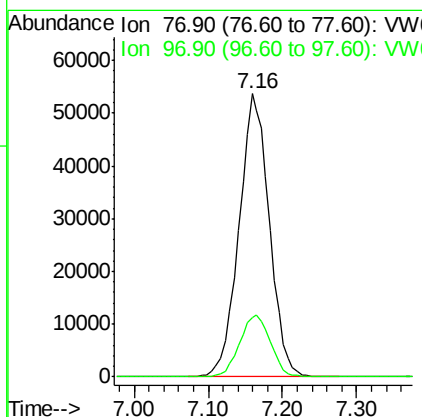
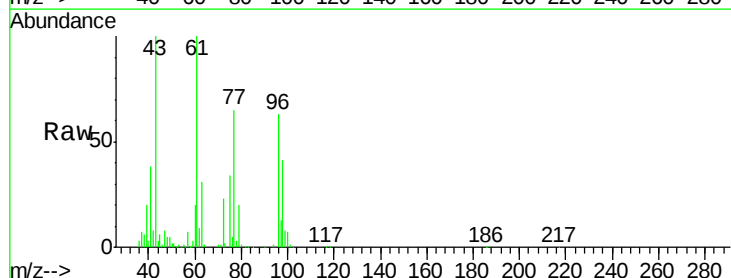
Acq: 17 Sep 2019 20:21

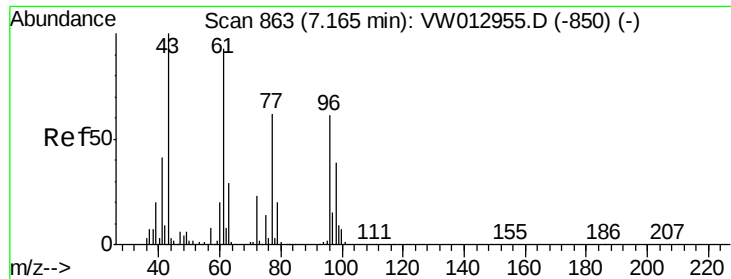
Tgt Ion: 77 Resp: 152921

Ion Ratio Lower Upper

77 100

97 22.2 10.7 32.1





#27

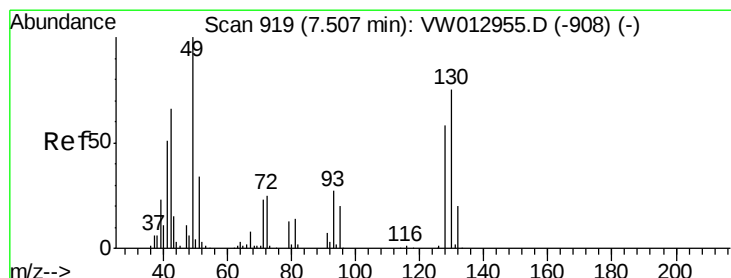
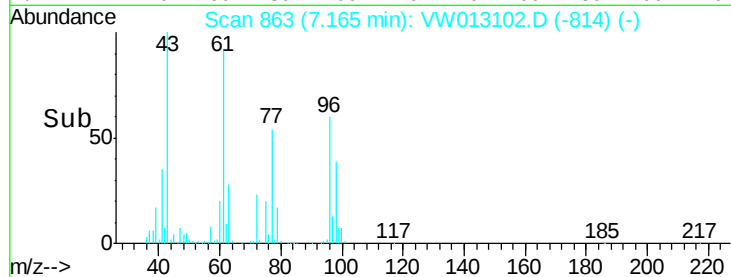
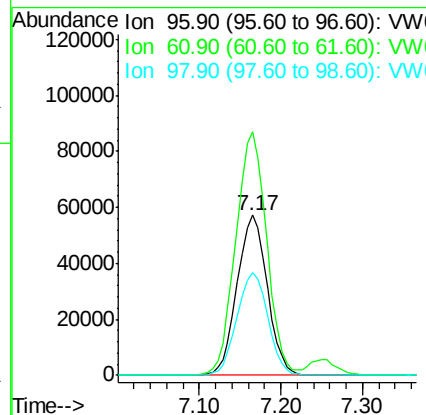
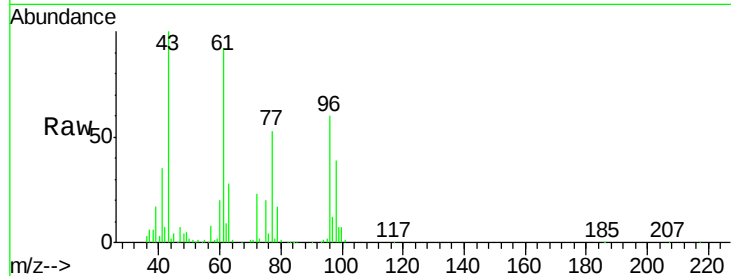
cis-1,2-Dichloroethene
Concen: 53.608 ug/l
RT: 7.17 min Scan# 863
Delta R.T. -0.00 min
Lab File: VW013102.D
Acq: 17 Sep 2019 20:21

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
96	100	146276		
61	155.7		0.0	315.4
98	65.6		0.0	131.0

Manual Integrations
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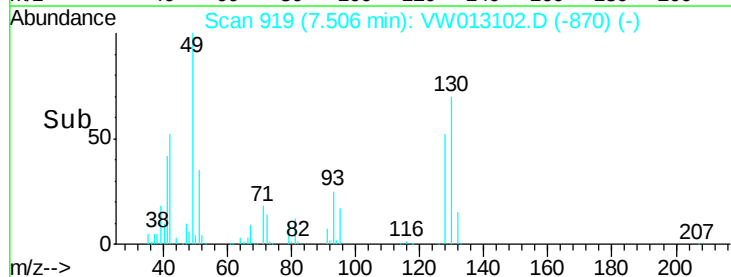
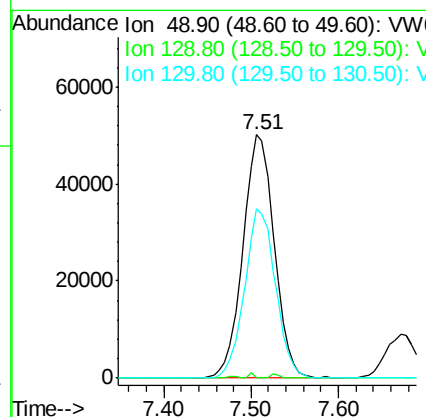
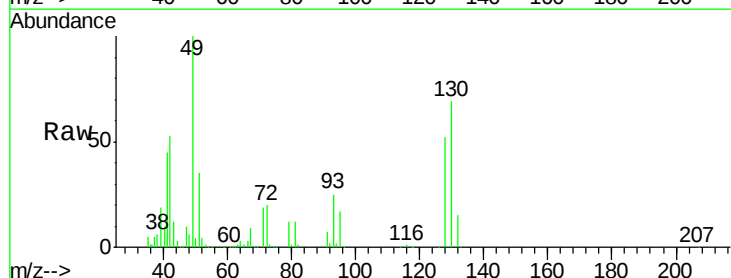
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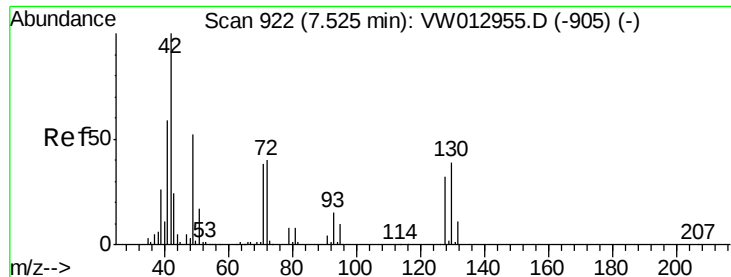


#28

Bromochloromethane
Concen: 61.296 ug/l
RT: 7.51 min Scan# 919
Delta R.T. -0.00 min
Lab File: VW013102.D
Acq: 17 Sep 2019 20:21

Tgt Ion	Ratio	Resp	Lower	Upper
49	100	124840		
129	0.3		0.0	1.4
130	68.3		57.8	86.6





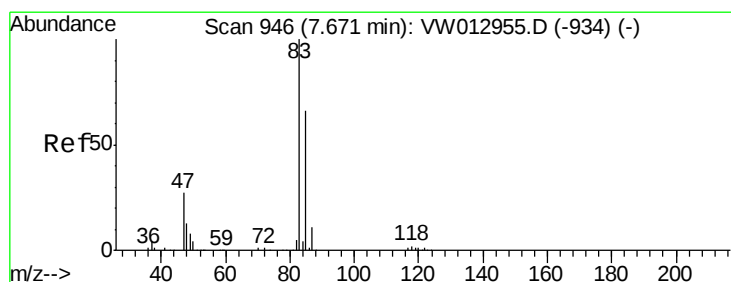
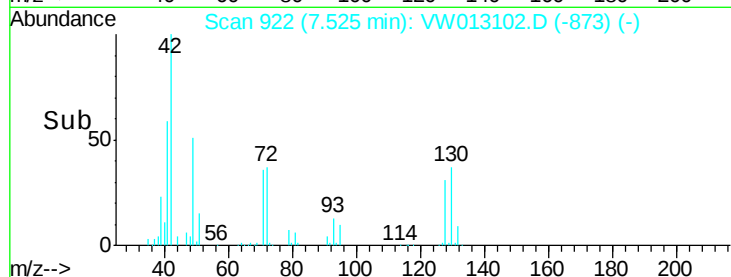
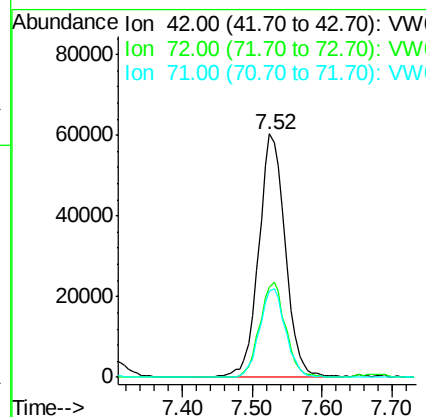
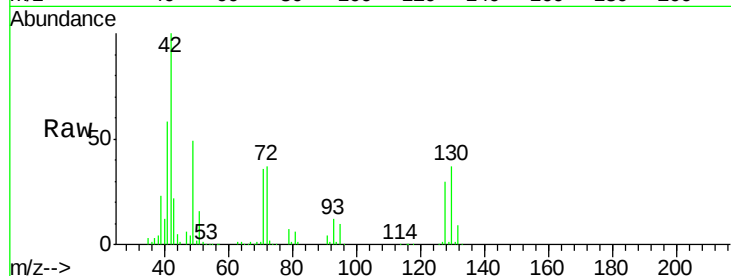
#29
Tetrahydrofuran
Concen: 308.947 ug/l
RT: 7.52 min Scan# 922
Delta R.T. -0.00 min
Lab File: VW013102.D
Acq: 17 Sep 2019 20:21

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
42	100		
72	37.7	31.4	47.0
71	35.8	29.8	44.8

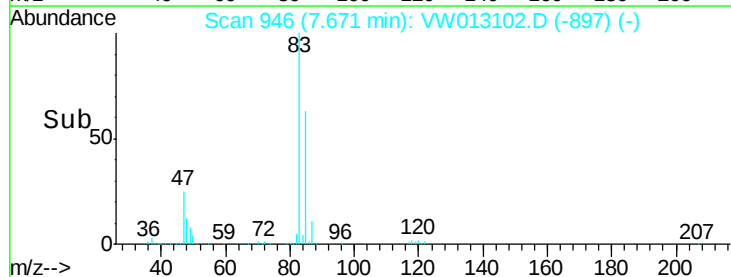
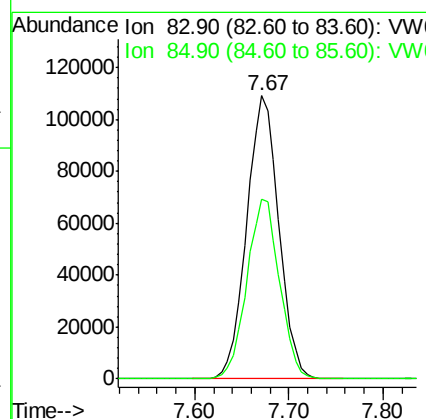
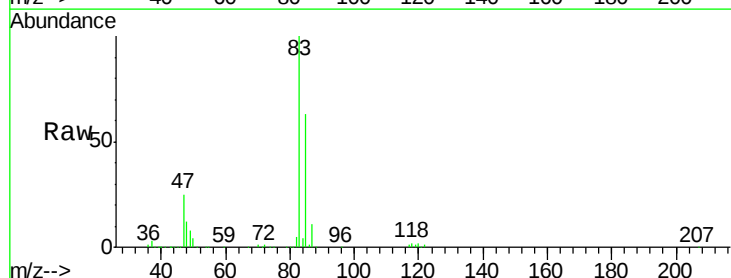
Manual Integrations
APPROVED

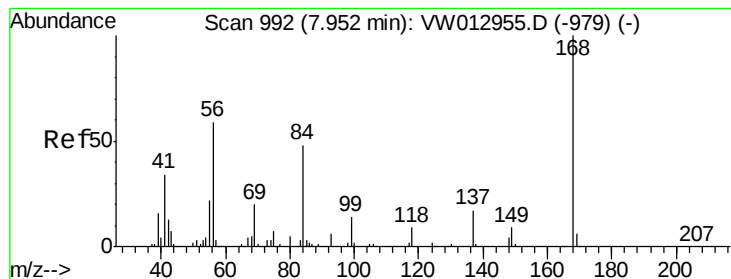
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#30
Chloroform
Concen: 53.058 ug/l
RT: 7.67 min Scan# 946
Delta R.T. -0.00 min
Lab File: VW013102.D
Acq: 17 Sep 2019 20:21

Tgt Ion	Ratio	Lower	Upper
83	100		
85	63.5	52.8	79.2





#31

Cyclohexane

Concen: 52.885 ug/l

RT: 7.95 min Scan# 992

Delta R.T. 0.00 min

Lab File: VW013102.D

Acq: 17 Sep 2019 20:21

Instrument :

MSVOA_W

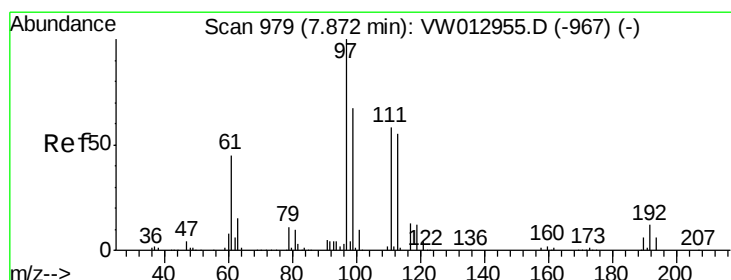
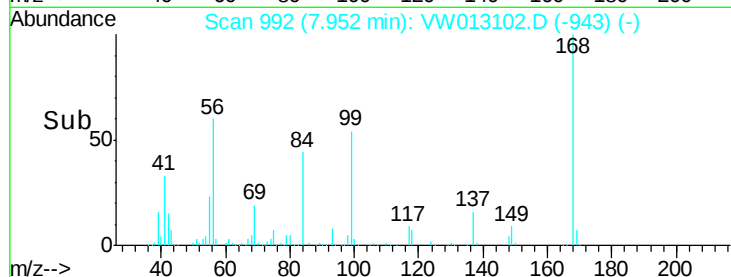
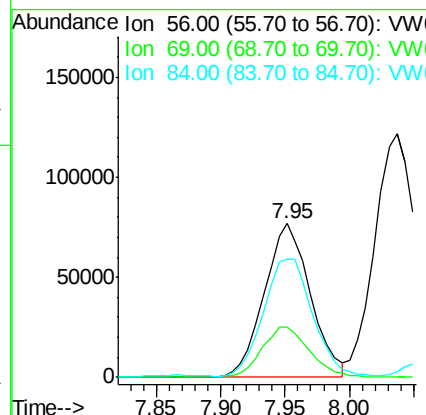
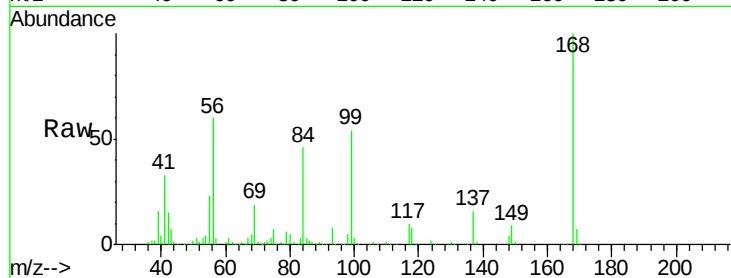
ClientSampleId :

VSTDCCC050EC

Tot Ion	56	Resp	191205
Ion Ratio	Lower	Upper	
56	100		
69	32.6	27.0	40.6
84	75.6	66.2	99.2

Manual Integrations
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#32

1,1,1-Trichloroethane

Concen: 49.686 ug/l

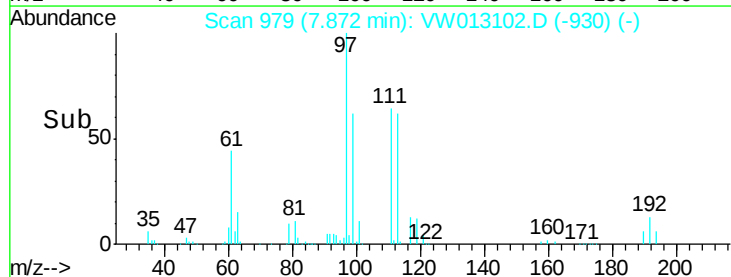
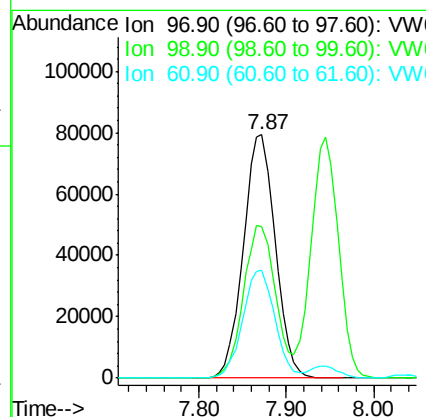
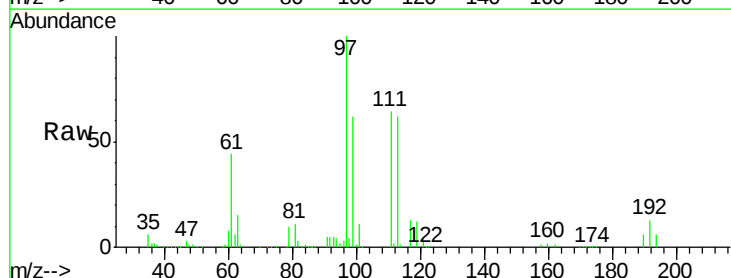
RT: 7.87 min Scan# 979

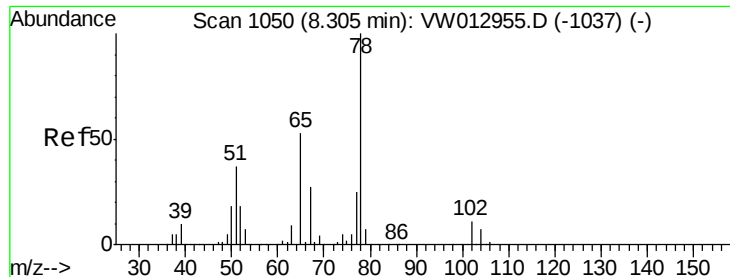
Delta R.T. -0.00 min

Lab File: VW013102.D

Acq: 17 Sep 2019 20:21

Tgt Ion	97	Resp	201177
Ion Ratio	Lower	Upper	
97	100		
99	63.6	53.0	79.4
61	44.6	36.5	54.7





#33

1,2-Dichloroethane-d4

Concen: 57.074 ug/l

RT: 8.30 min Scan# 1049

Delta R.T. -0.01 min

Lab File: VW013102.D

Acq: 17 Sep 2019 20:21

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

Tot Ion: 65 Resp: 162504

Ion Ratio Lower Upper

65 100

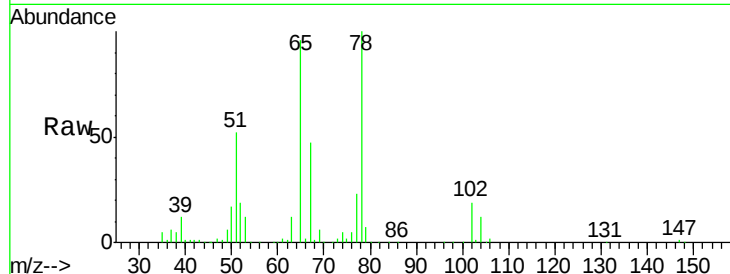
67 52.8 0.0 101.2

Manual Integrations

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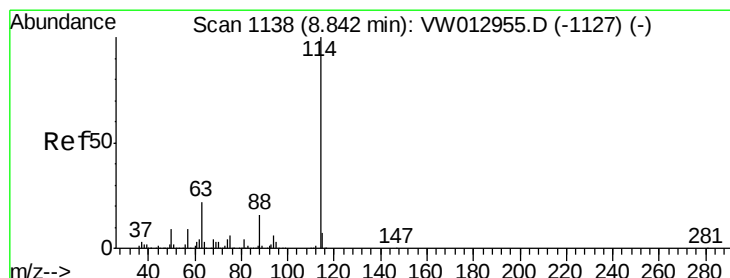
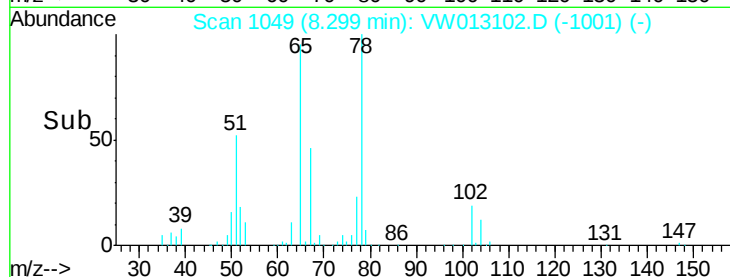
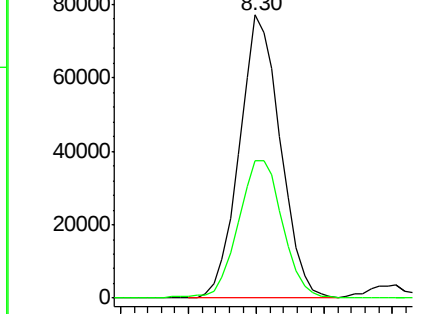
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Abundance Ion 64.90 (64.60 to 65.60): VW

Ion 66.90 (66.60 to 67.60): VW



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.84 min Scan# 1138

Delta R.T. -0.00 min

Lab File: VW013102.D

Acq: 17 Sep 2019 20:21

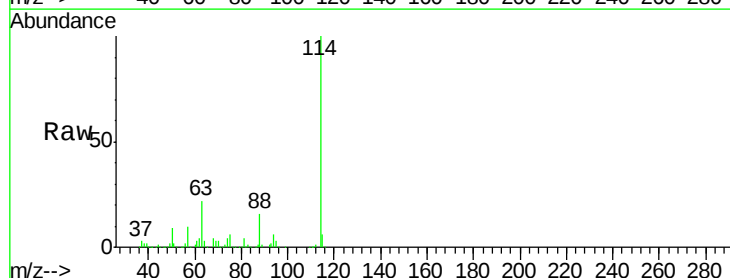
Tgt Ion: 114 Resp: 472387

Ion Ratio Lower Upper

114 100

63 22.1 0.0 43.4

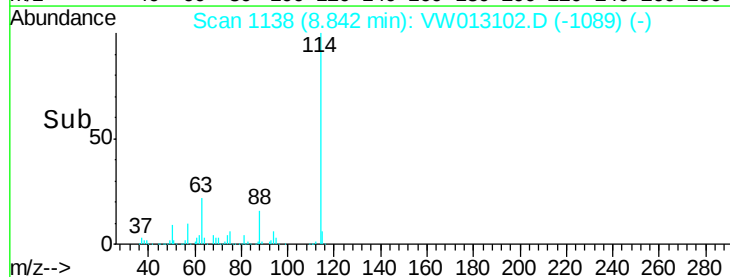
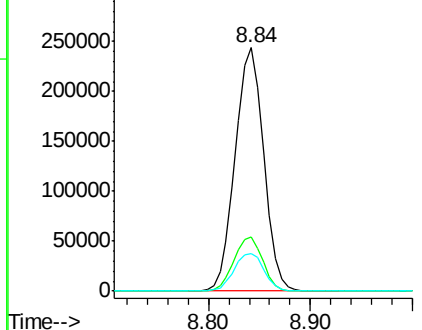
88 15.7 0.0 31.6

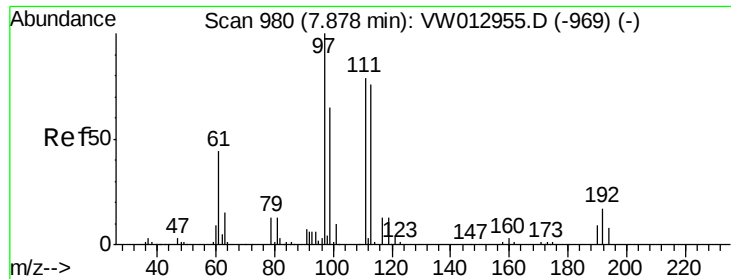


Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VW

Ion 87.90 (87.60 to 88.60): VW





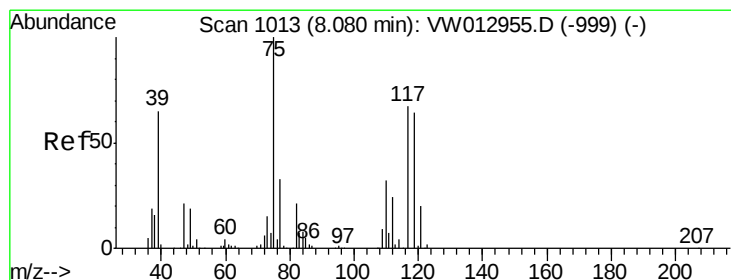
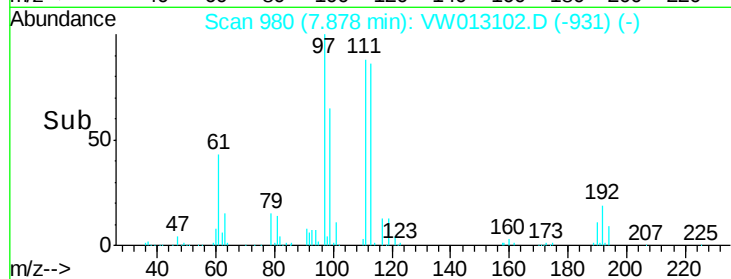
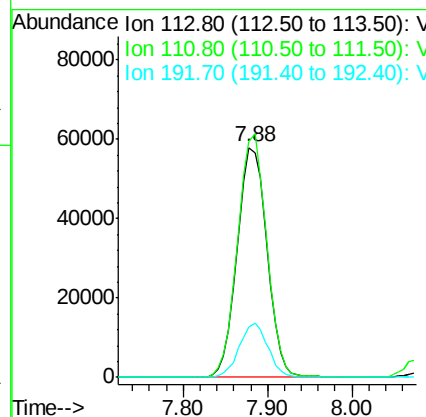
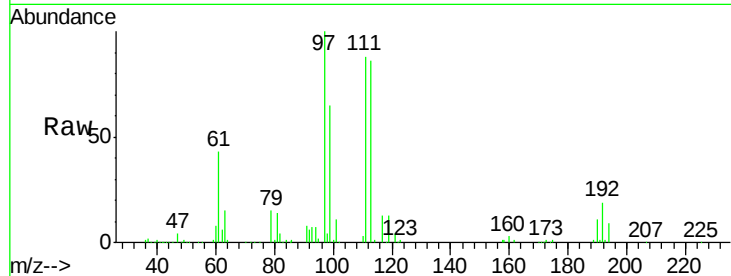
#35
 Dibromofluoromethane
 Concen: 54.101 ug/l
 RT: 7.88 min Scan# 980
 Delta R.T. -0.00 min
 Lab File: VW013102.D
 Acq: 17 Sep 2019 20:21

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
113	100	138673		
111	103.7	82.8	124.2	
192	22.4	17.8	26.8	

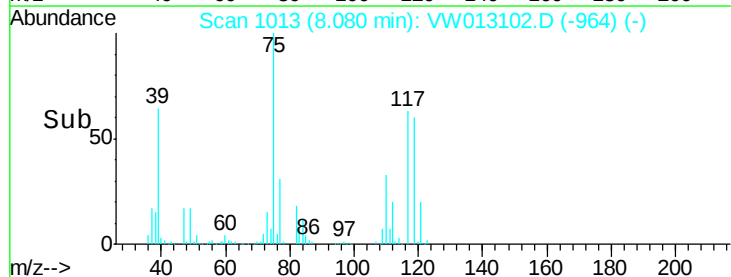
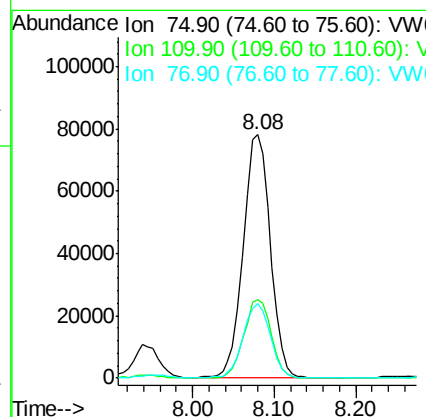
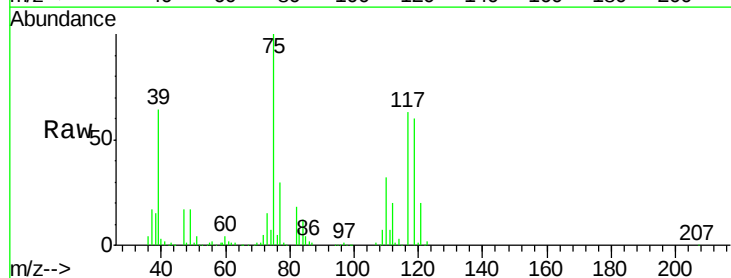
Manual Integrations
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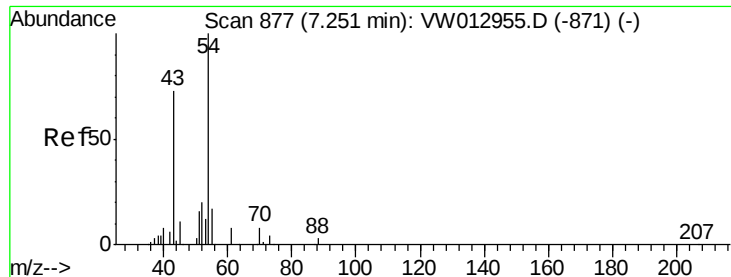
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#36
 1,1-Dichloropropene
 Concen: 47.703 ug/l
 RT: 8.08 min Scan# 1013
 Delta R.T. -0.00 min
 Lab File: VW013102.D
 Acq: 17 Sep 2019 20:21

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	180067		
110	32.6	16.4	49.1	
77	31.0	25.1	37.7	





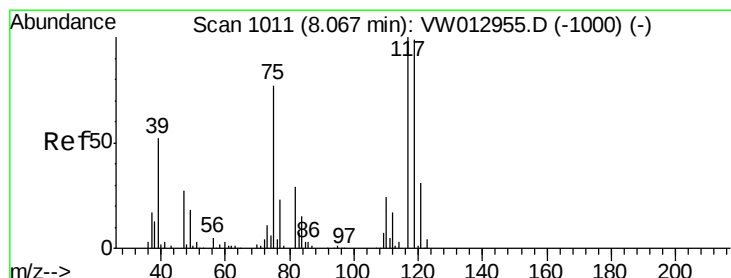
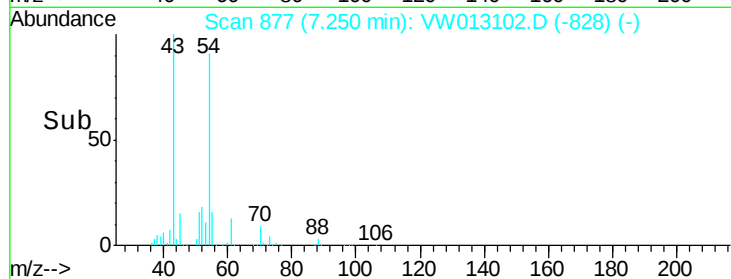
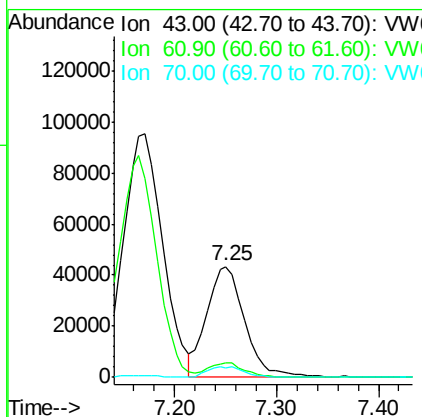
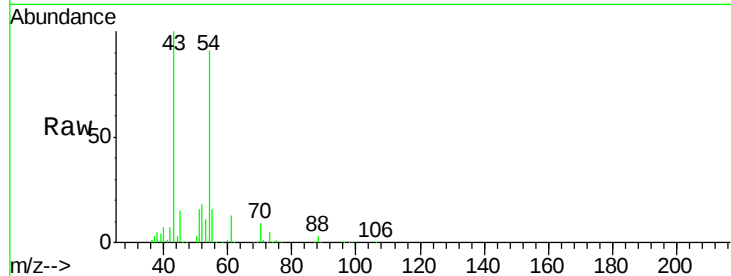
#37
Ethyl Acetate
Concen: 55.514 ug/l
RT: 7.25 min Scan# 877
Delta R.T. -0.00 min
Lab File: VW013102.D
Acq: 17 Sep 2019 20:21

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tot Ion	43	Resp	111228
Ion	Ratio	Lower	Upper
43	100		
61	12.7	9.6	14.4
70	9.4	7.6	11.4

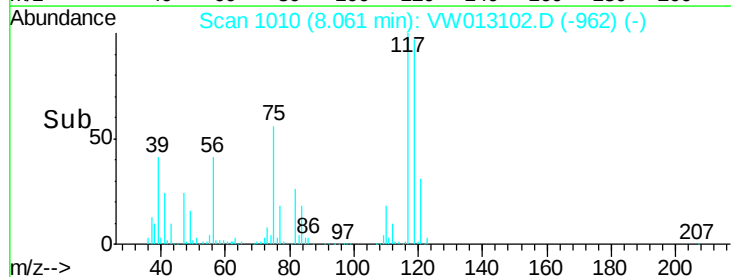
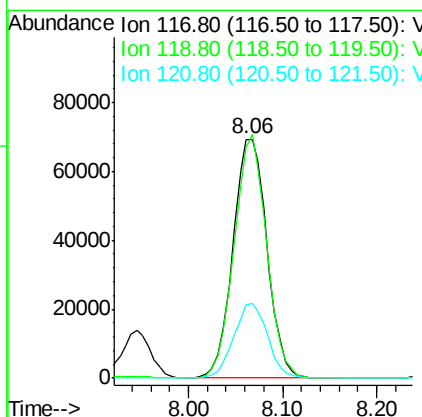
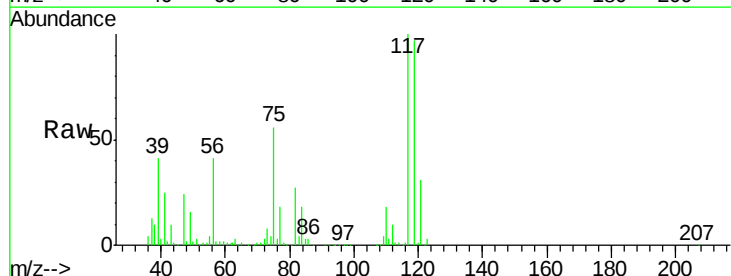
Manual Integrations
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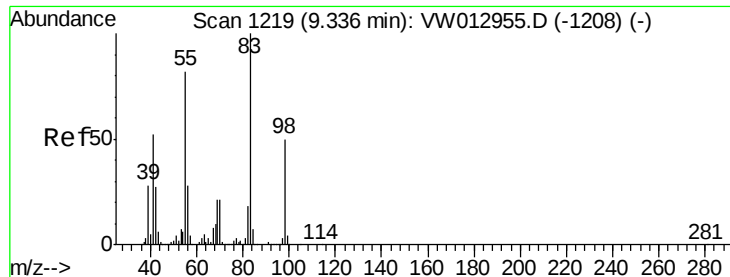
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#38
Carbon Tetrachloride
Concen: 45.045 ug/l
RT: 8.06 min Scan# 1010
Delta R.T. -0.01 min
Lab File: VW013102.D
Acq: 17 Sep 2019 20:21

Tgt Ion	117	Resp	174248
Ion	Ratio	Lower	Upper
117	100		
119	96.7	79.4	119.0
121	30.6	24.6	36.8





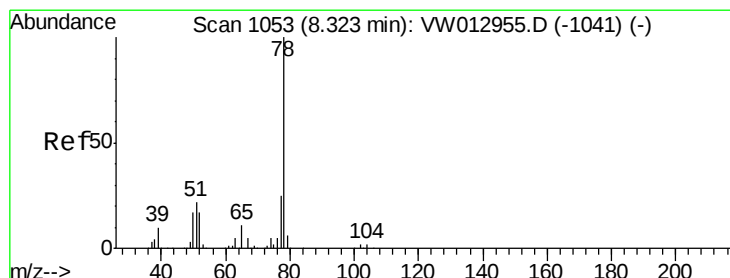
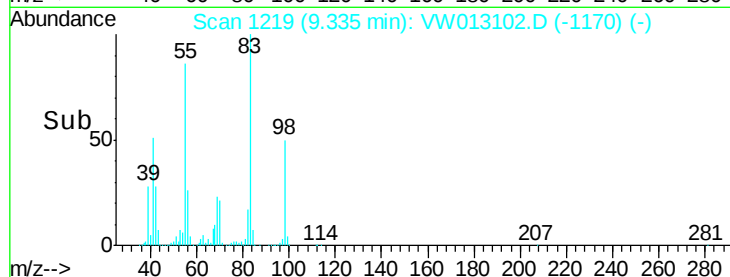
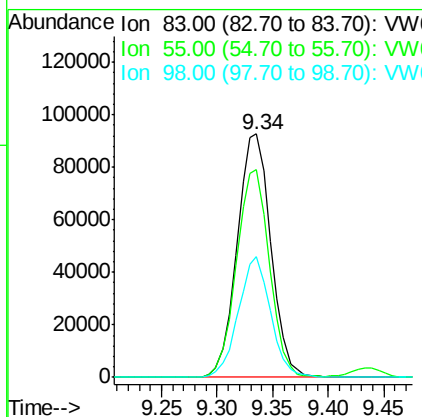
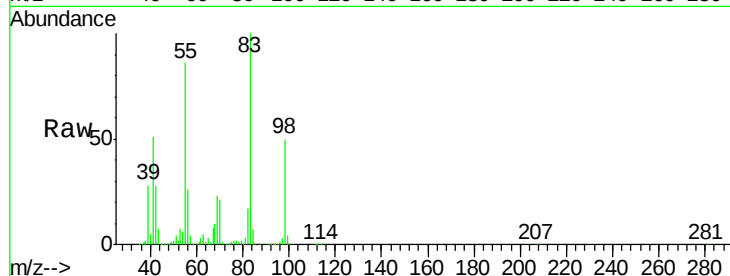
#39
Methvlcvclohexane
Concen: 47.009 ug/l
RT: 9.34 min Scan# 1219
Delta R.T. -0.00 min
Lab File: VW013102.D
Acq: 17 Sep 2019 20:21

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
83	100		
55	85.5	65.9	98.9
98	49.8	39.6	59.4

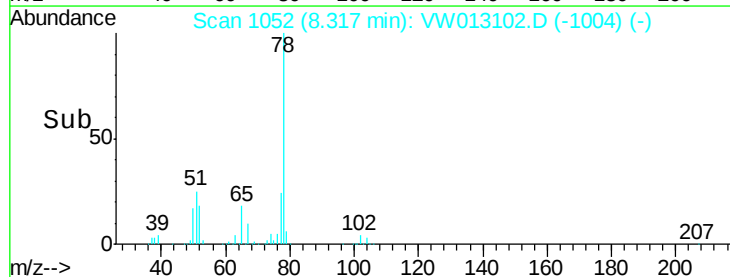
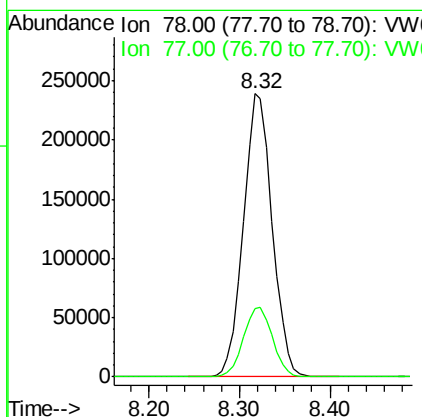
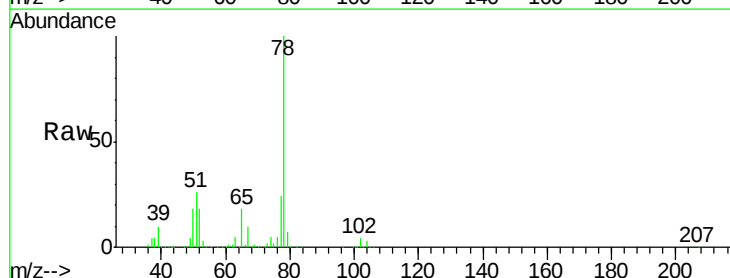
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#40
Benzene
Concen: 49.634 ug/l
RT: 8.32 min Scan# 1052
Delta R.T. -0.01 min
Lab File: VW013102.D
Acq: 17 Sep 2019 20:21

Tgt Ion	Ratio	Lower	Upper
78	100		
77	24.2	19.6	29.4





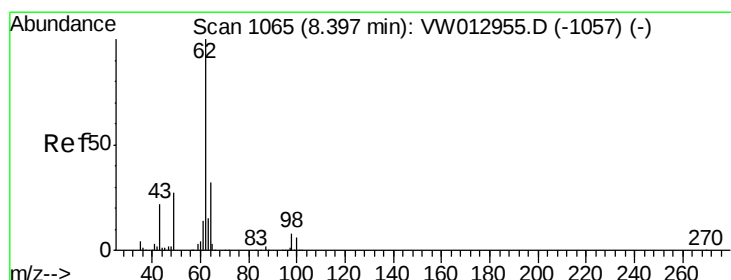
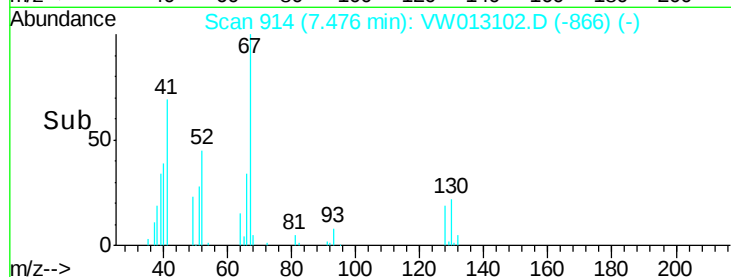
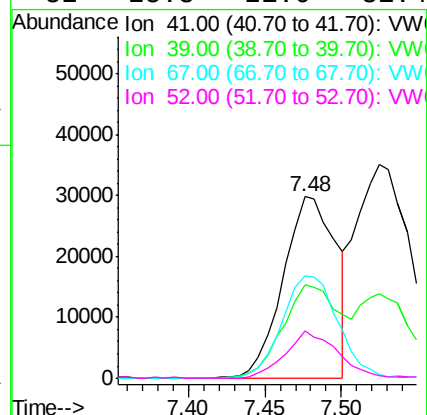
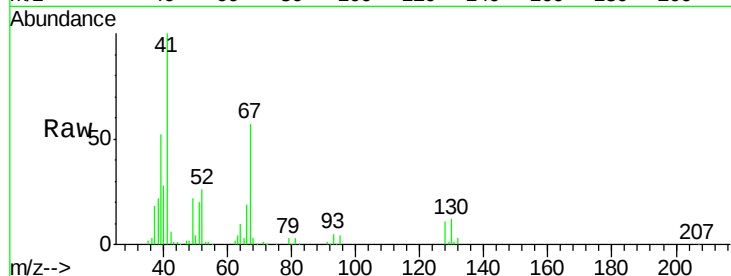
#41
Methacrylonitrile
Concen: 54.379 ug/l
RT: 7.48 min Scan# 914
Delta R.T. -0.01 min
Lab File: VW013102.D
Acq: 17 Sep 2019 20:21

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tot Ion:	41	Resp:	71750
Ion	Ratio	Lower	Upper
41	100		
39	56.8	48.2	72.4
67	60.3	47.5	71.3
52	25.8	21.0	31.4

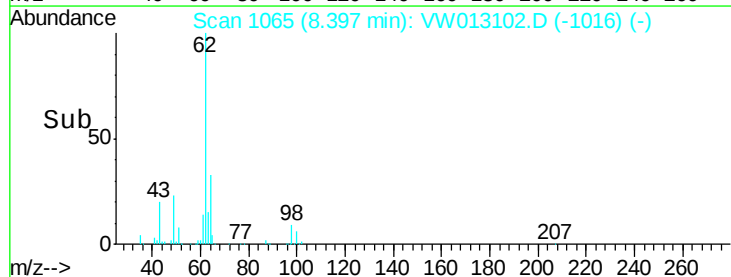
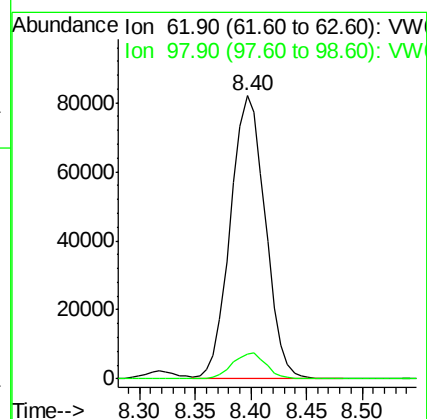
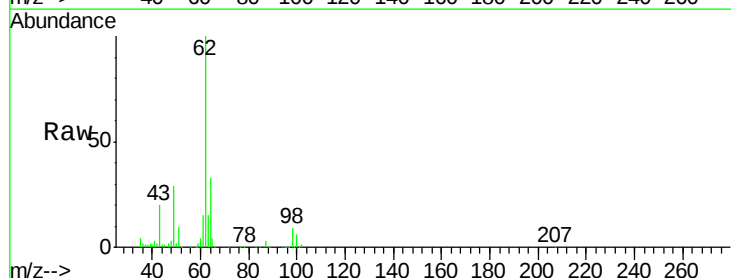
Manual Integrations
APPROVED

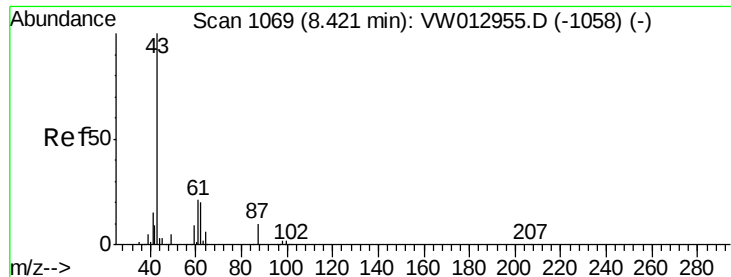
MMDadoda
9/19/2019 1:27:27 AM



#42
1,2-Dichloroethane
Concen: 50.556 ug/l
RT: 8.40 min Scan# 1065
Delta R.T. -0.00 min
Lab File: VW013102.D
Acq: 17 Sep 2019 20:21

Tgt Ion:	62	Resp:	178592
Ion	Ratio	Lower	Upper
62	100		
98	8.9	0.0	16.8





#43

Isopropyl Acetate

Concen: 55.367 ug/l

RT: 8.42 min Scan# 1069

Delta R.T. -0.00 min

Lab File: VW013102.D

Acq: 17 Sep 2019 20:21

Instrument :

MSVOA_W

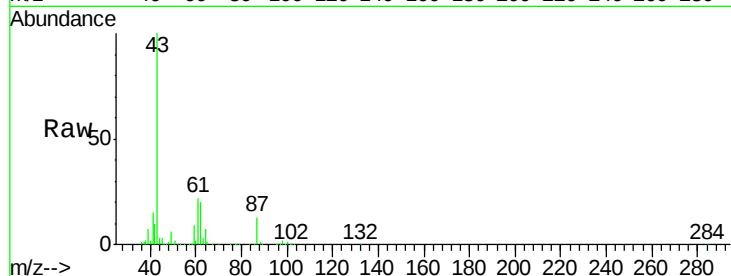
ClientSampleId :

VSTDCCC050EC

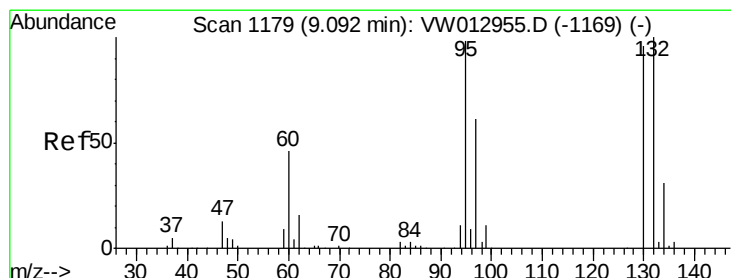
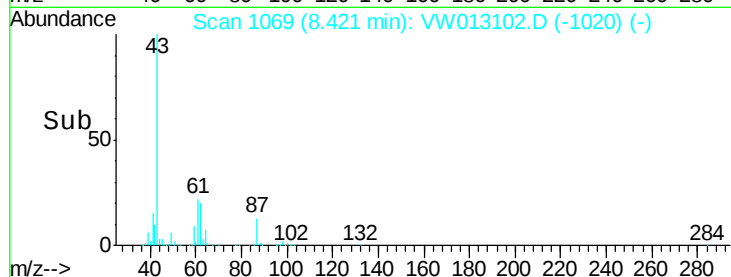
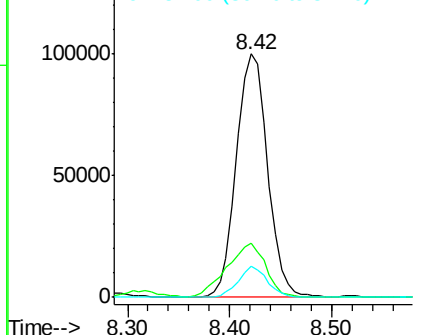
Tot Ion:	43	Resp:	212998
Ion	Ratio	Lower	Upper
43	100		
61	27.6	22.7	34.1
87	11.8	9.4	14.2

Manual Integrations
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Abundance Ion 43.00 (42.70 to 43.70): VW
Ion 61.00 (60.70 to 61.70): VW
Ion 87.00 (86.70 to 87.70): VW



#44

Trichloroethene

Concen: 47.409 ug/l

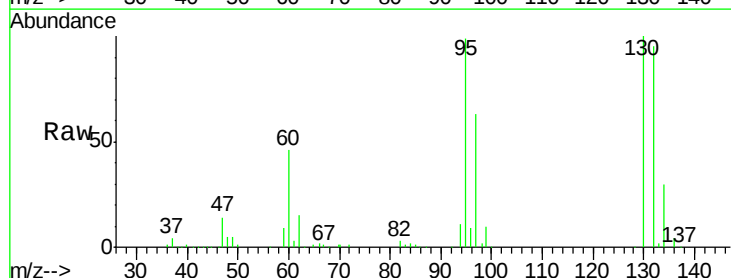
RT: 9.09 min Scan# 1178

Delta R.T. -0.01 min

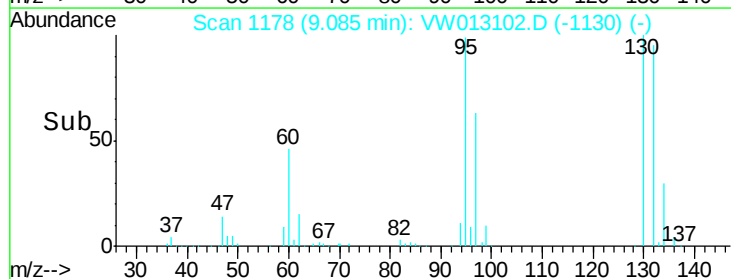
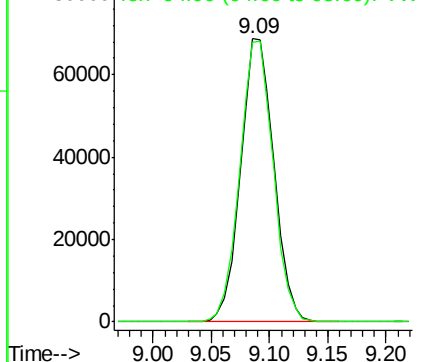
Lab File: VW013102.D

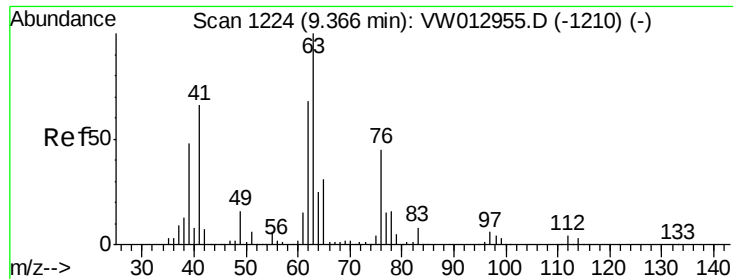
Acq: 17 Sep 2019 20:21

Tgt Ion:	130	Resp:	136844
Ion	Ratio	Lower	Upper
130	100		
95	98.9	0.0	204.4



Abundance Ion 129.80 (129.50 to 130.50): V
Ion 94.90 (94.60 to 95.60): VW





#45

1,2-Dichloropropane

Concen: 52.935 ug/l

RT: 9.37 min Scan# 1224

Delta R.T. -0.00 min

Lab File: VW013102.D

Acq: 17 Sep 2019 20:21

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

Tot Ion: 63 Resp: 148206

Ion Ratio Lower Upper

63 100

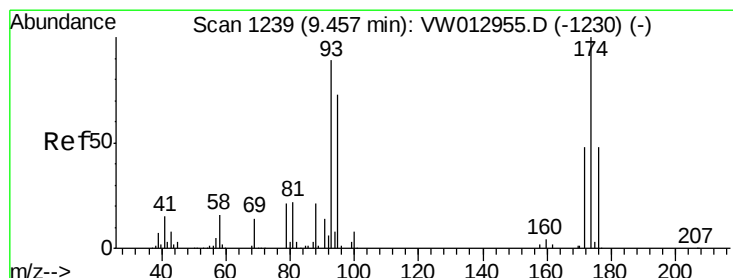
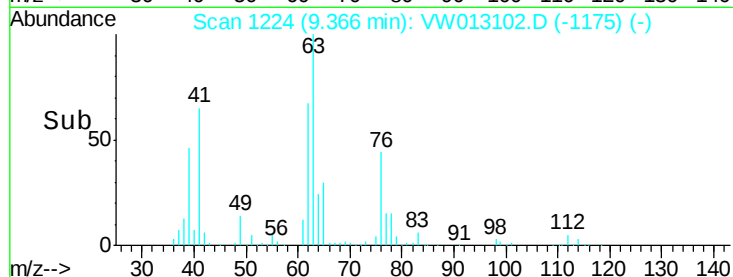
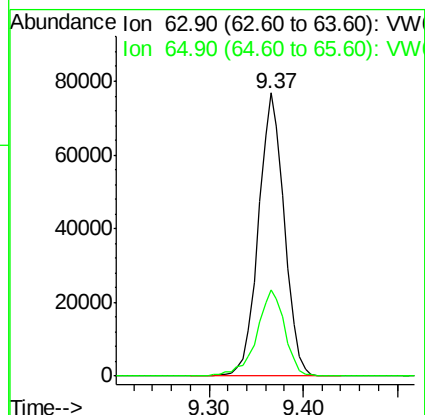
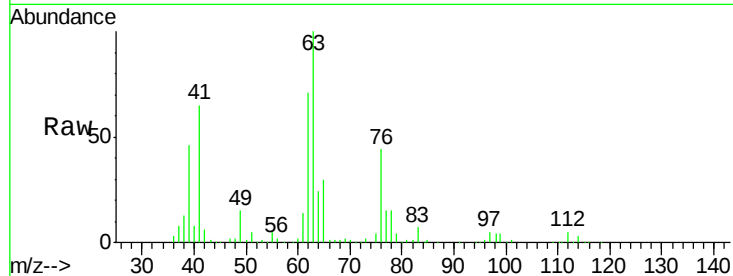
65 30.4 24.6 37.0

Manual Integrations

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#46

Dibromomethane

Concen: 52.479 ug/l

RT: 9.46 min Scan# 1239

Delta R.T. -0.00 min

Lab File: VW013102.D

Acq: 17 Sep 2019 20:21

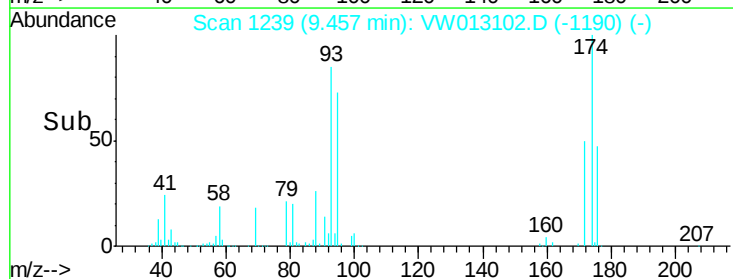
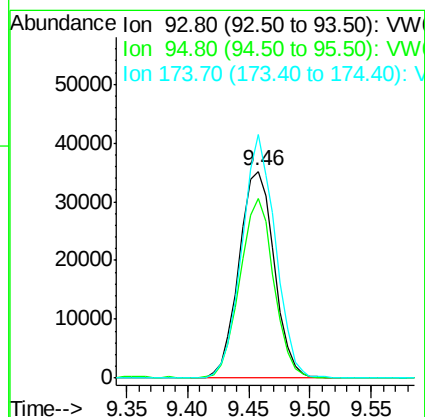
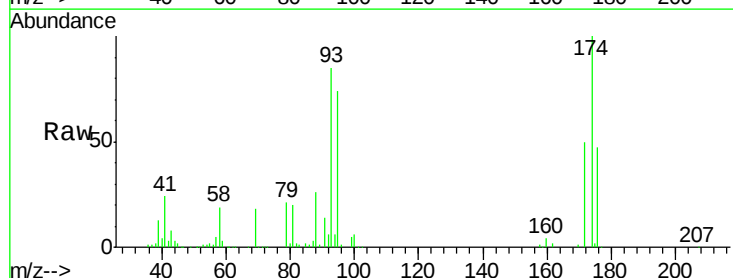
Tgt Ion: 93 Resp: 70394

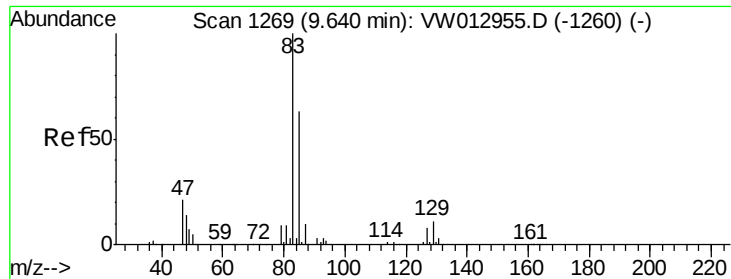
Ion Ratio Lower Upper

93 100

95 83.8 67.0 100.4

174 111.9 90.5 135.7





#47

Bromodichloromethane

Concen: 52.377 ug/l

RT: 9.64 min Scan# 1269

Delta R.T. -0.00 min

Lab File: VW013102.D

Acq: 17 Sep 2019 20:21

Instrument :

MSVOA_W

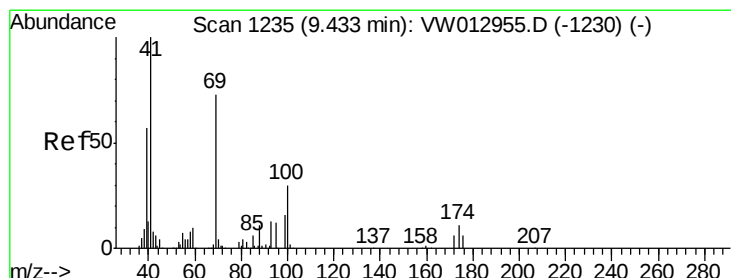
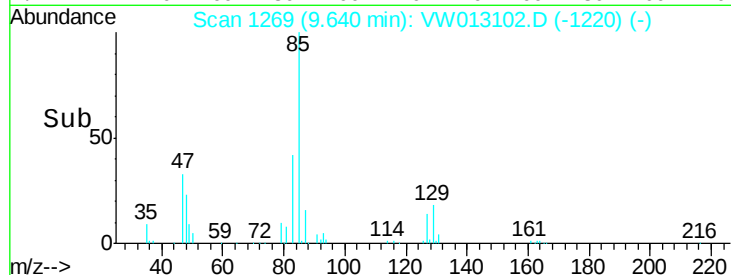
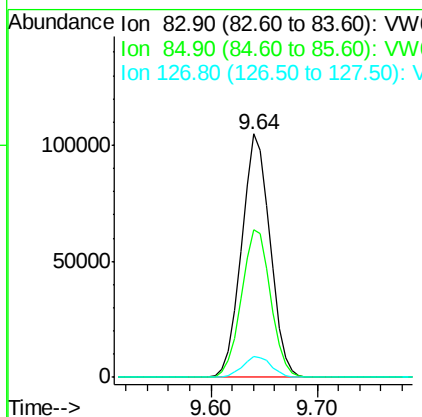
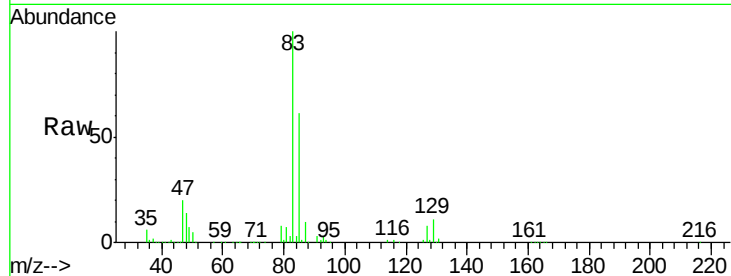
ClientSampleId :

VSTDCCC050EC

Tot Ion:	83	Resp:	197071
Ion	Ratio	Lower	Upper
83	100		
85	60.6	50.6	75.8
127	8.4	6.7	10.1

Manual Integrations
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#48

Methyl methacrylate

Concen: 55.812 ug/l

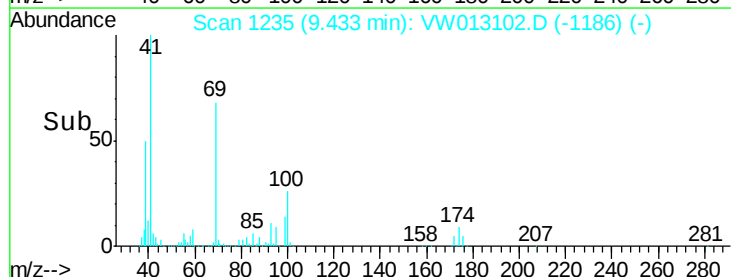
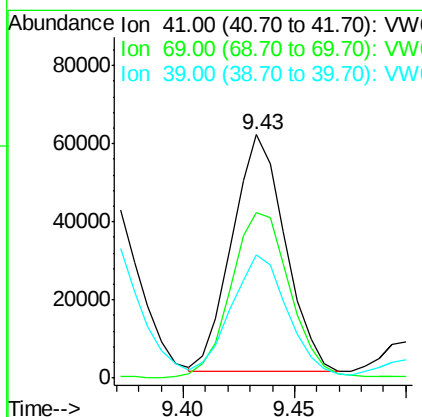
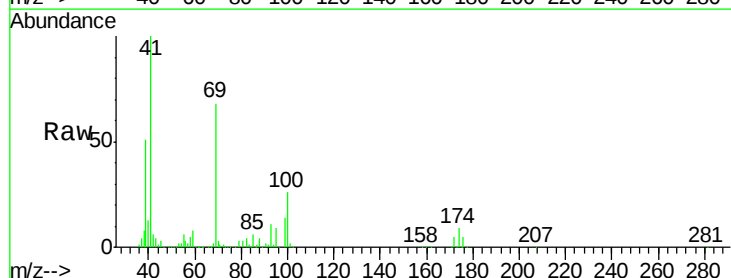
RT: 9.43 min Scan# 1235

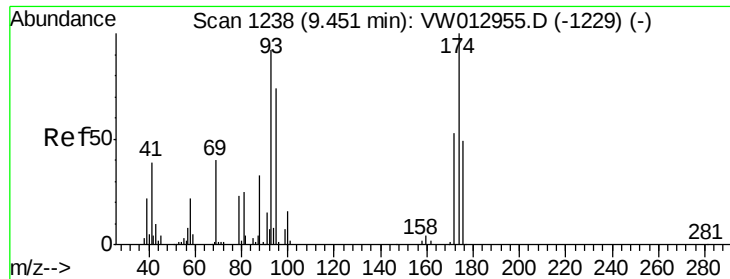
Delta R.T. -0.00 min

Lab File: VW013102.D

Acq: 17 Sep 2019 20:21

Tgt Ion:	41	Resp:	100766
Ion	Ratio	Lower	Upper
41	100		
69	78.6	62.8	94.2
39	56.3	48.5	72.7





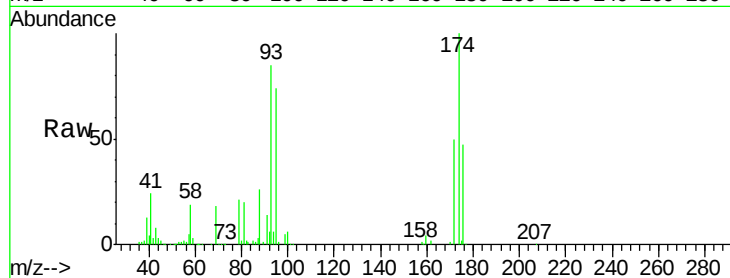
#49
1,4-Dioxane
Concen: 1022.056 ug/l
RT: 9.46 min Scan# 1239
Delta R.T. 0.01 min
Lab File: VW013102.D
Acq: 17 Sep 2019 20:21

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tot Ion	88	Resp	22972
Ion	Ratio	Lower	Upper
88	100		
43	0.0	31.3	46.9#
58	79.7	60.2	90.2

Manual Integrations
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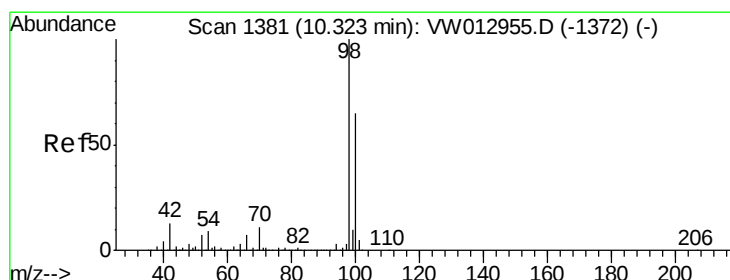
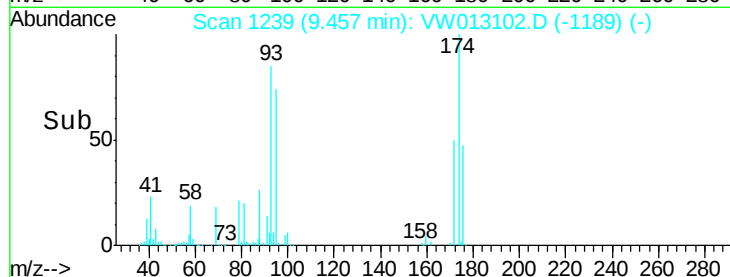
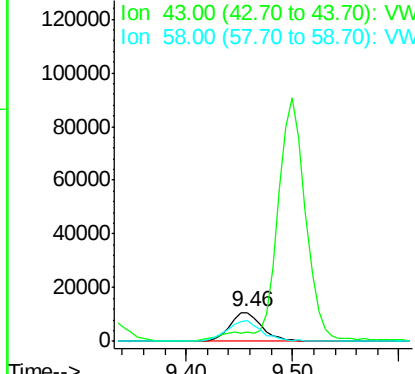


Abundance

Ion 88.00 (87.70 to 88.70): VW

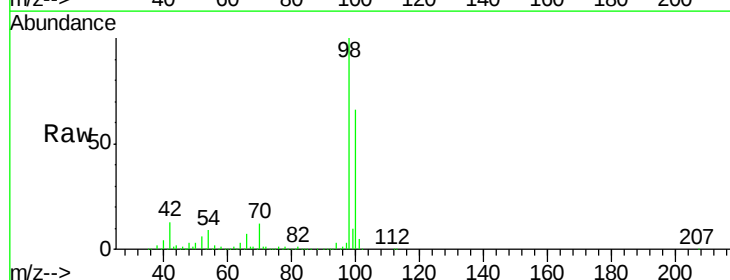
Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW



#50
Toluene-d8
Concen: 53.922 ug/l
RT: 10.32 min Scan# 1381
Delta R.T. -0.00 min
Lab File: VW013102.D
Acq: 17 Sep 2019 20:21

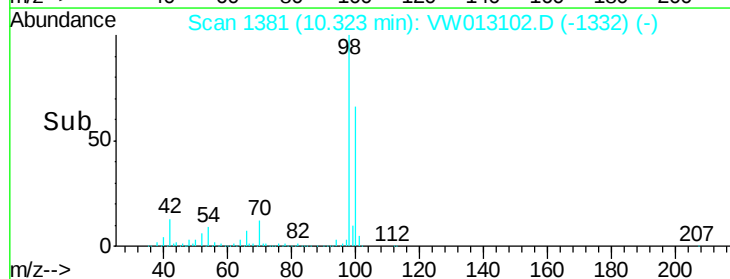
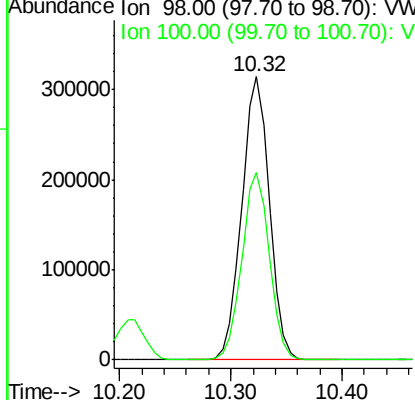
Tgt Ion	98	Resp	540852
Ion	Ratio	Lower	Upper
98	100		
100	65.8	52.1	78.1

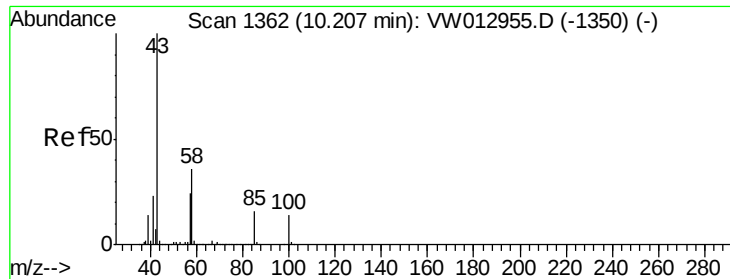


Abundance

Ion 98.00 (97.70 to 98.70): VW

Ion 100.00 (99.70 to 100.70): VW





#51

4-Methyl-2-Pentanone

Concen: 282.854 ug/l

RT: 10.21 min Scan# 1362

Delta R.T. -0.00 min

Lab File: VW013102.D

Acq: 17 Sep 2019 20:21

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

Tot Ion: 43 Resp: 561782

Ion Ratio Lower Upper

43 100

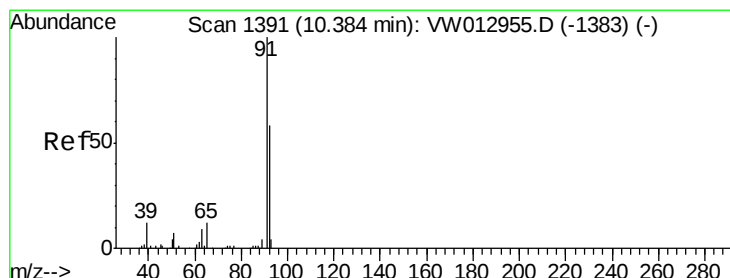
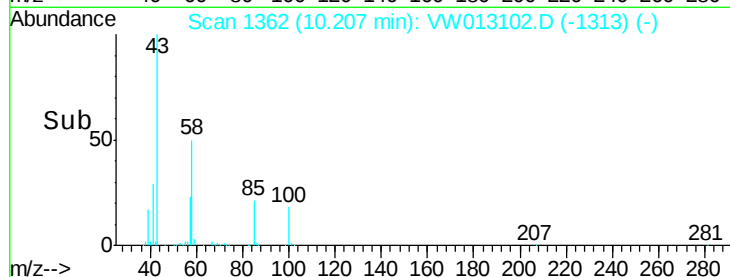
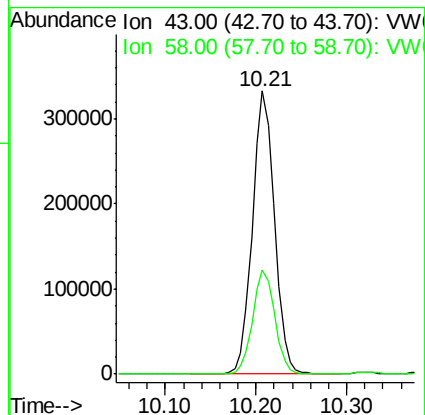
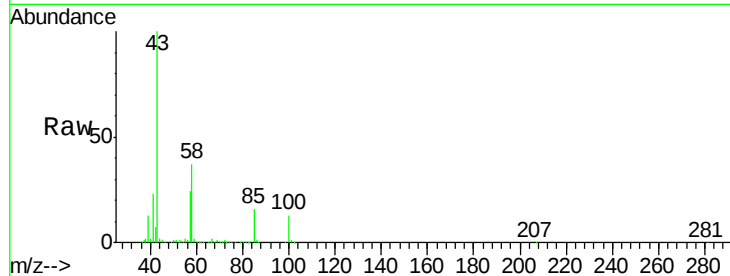
58 37.1 29.5 44.3

Manual Integrations

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#52

Toluene

Concen: 50.716 ug/l

RT: 10.38 min Scan# 1391

Delta R.T. -0.00 min

Lab File: VW013102.D

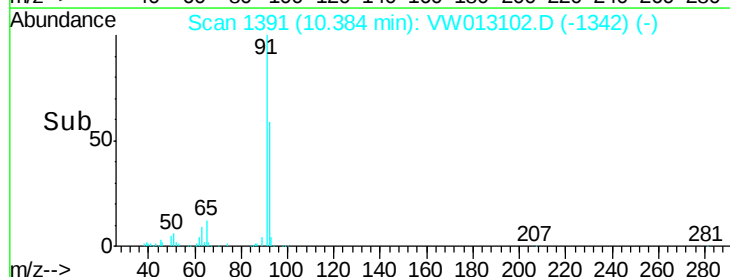
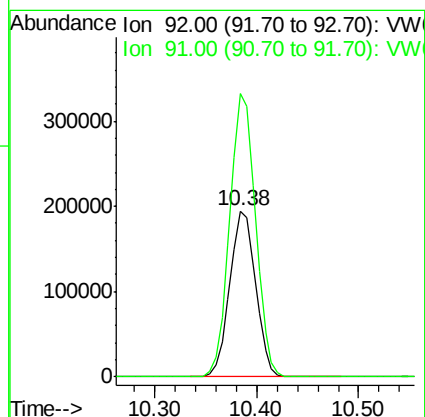
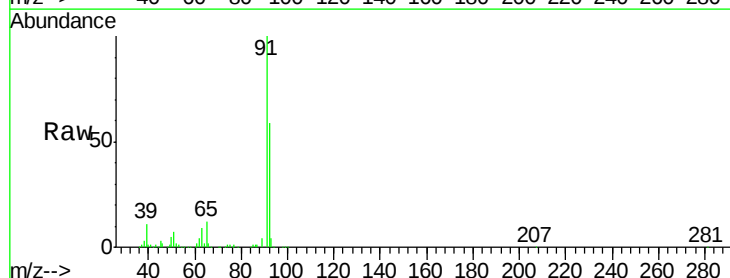
Acq: 17 Sep 2019 20:21

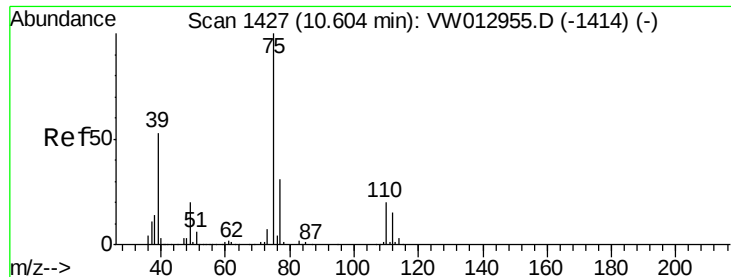
Tgt Ion: 92 Resp: 339604

Ion Ratio Lower Upper

92 100

91 170.5 137.5 206.3





#53

t-1,3-Dichloropropene

Concen: 51.787 ug/l

RT: 10.60 min Scan# 1427

Delta R.T. -0.00 min

Lab File: VW013102.D

Acq: 17 Sep 2019 20:21

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

Tot Ion: 75 Resp: 195963

Ion Ratio Lower Upper

75 100

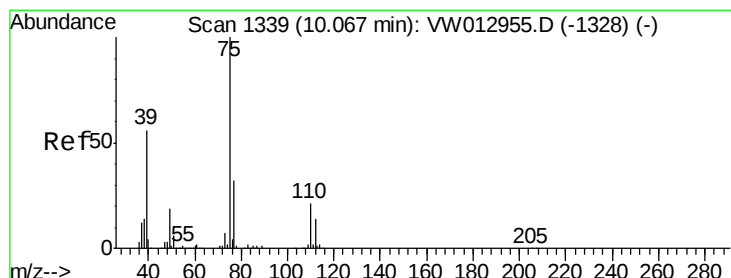
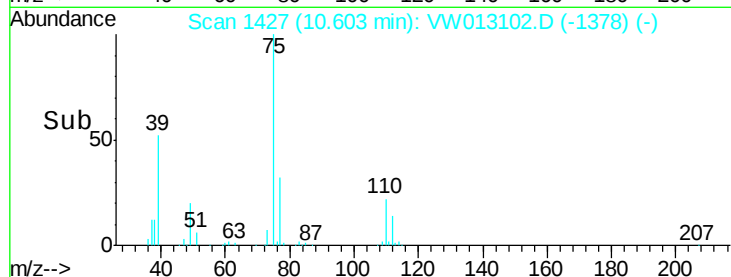
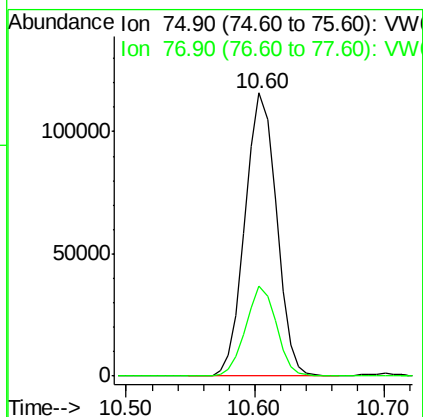
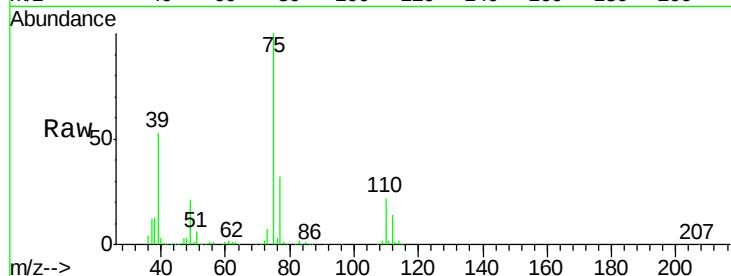
77 31.5 24.6 37.0

Manual Integrations

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9/19/2019 1:27:27 AM



#54

cis-1,3-Dichloropropene

Concen: 51.695 ug/l

RT: 10.07 min Scan# 1339

Delta R.T. -0.00 min

Lab File: VW013102.D

Acq: 17 Sep 2019 20:21

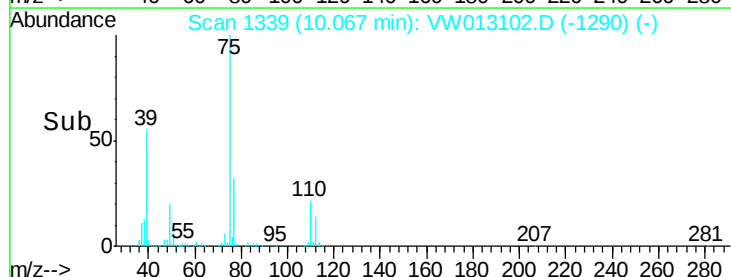
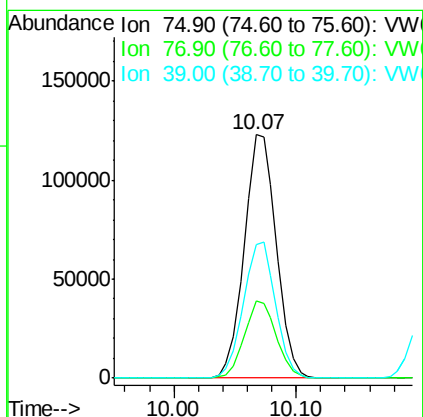
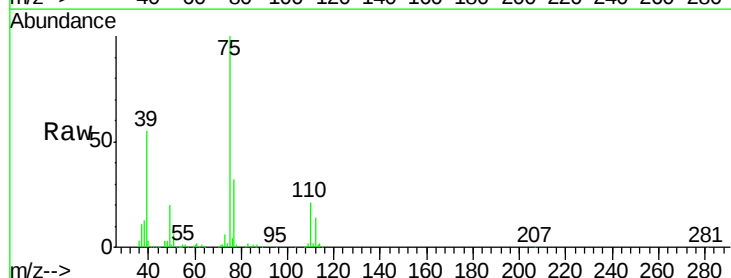
Tgt Ion: 75 Resp: 223820

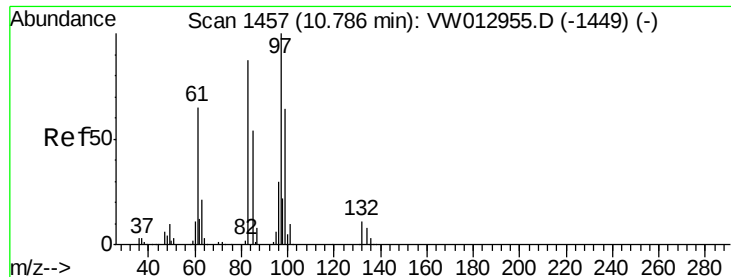
Ion Ratio Lower Upper

75 100

77 31.9 25.5 38.3

39 54.7 45.0 67.6





#55

1,1,2-Trichloroethane

Concen: 53.076 ug/l

RT: 10.79 min Scan# 1457

Delta R.T. -0.00 min

Lab File: VW013102.D

Acq: 17 Sep 2019 20:21

Instrument :

MSVOA_W

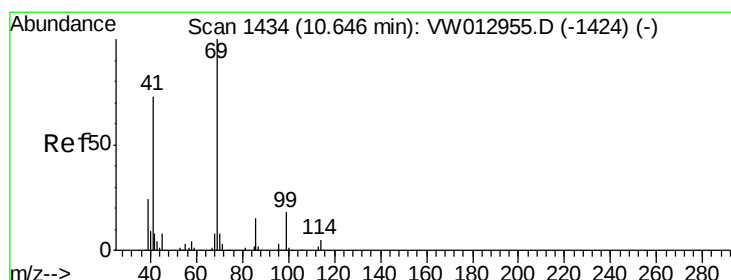
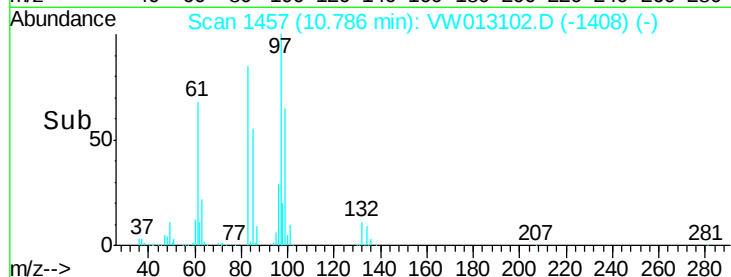
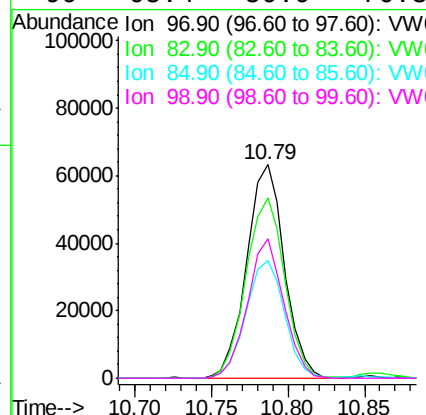
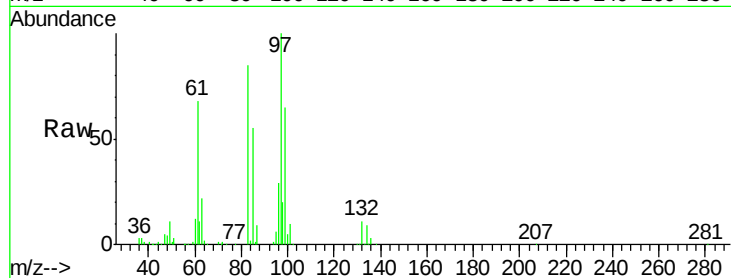
ClientSampleId :

VSTDCCC050EC

Tot Ion	Ion	Ratio	Resp	Lower	Upper
97	100		108458		
83	84.7	69.4	104.0		
85	55.0	43.3	64.9		
99	65.4	50.9	76.3		

Manual Integrations
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#56

Ethyl methacrylate

Concen: 56.838 ug/l

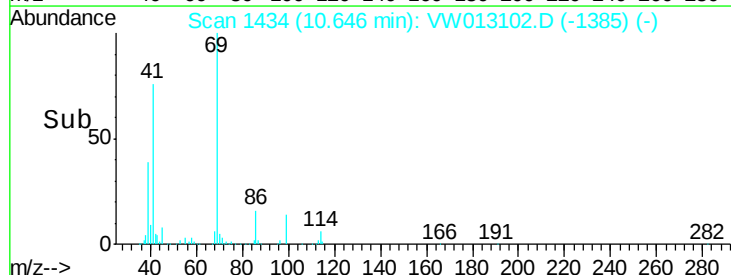
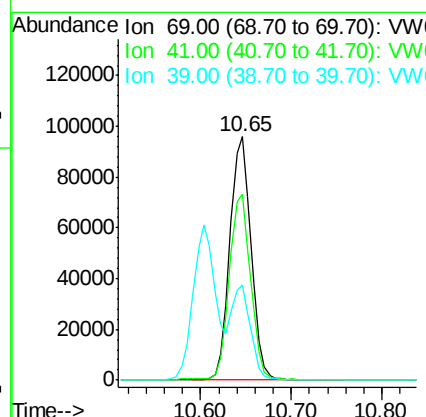
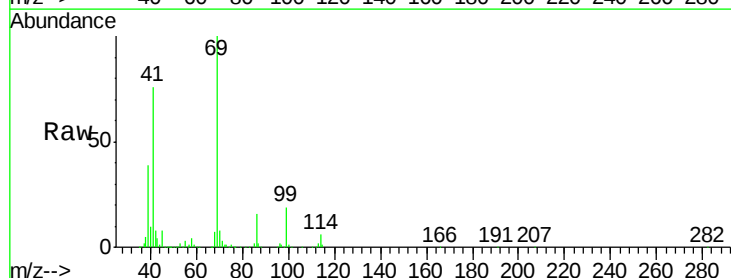
RT: 10.65 min Scan# 1434

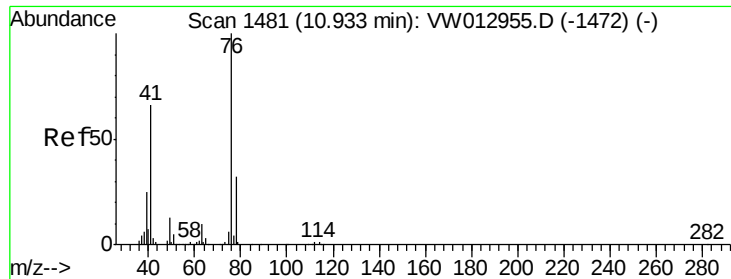
Delta R.T. -0.00 min

Lab File: VW013102.D

Acq: 17 Sep 2019 20:21

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
69	100		156332		
41	76.1	60.8	91.2		
39	34.7	29.4	44.0		





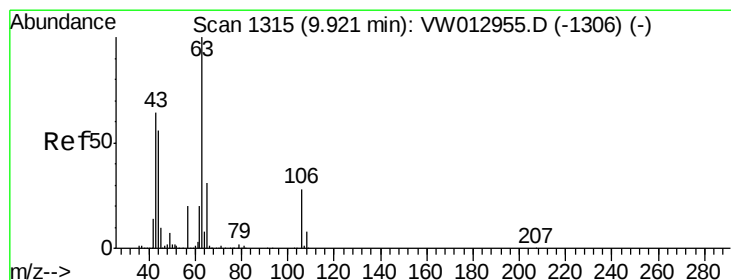
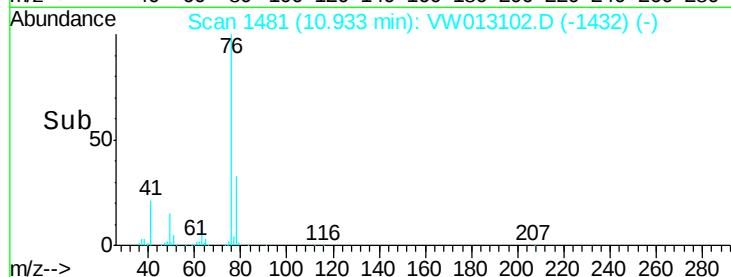
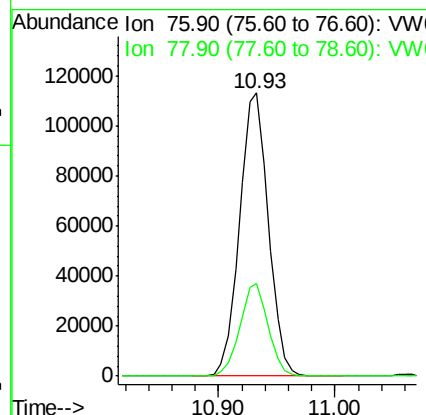
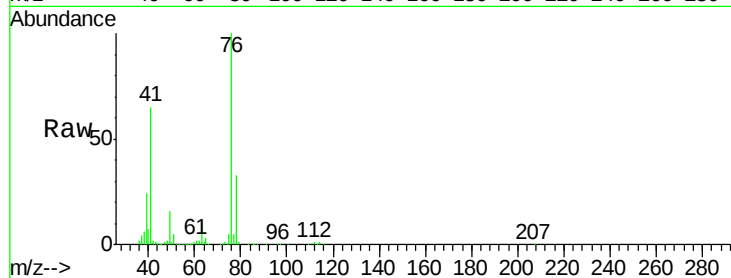
#57
 1,3-Dichloropropane
 Concen: 53.791 ug/l
 RT: 10.93 min Scan# 1481
 Delta R.T. -0.00 min
 Lab File: VW013102.D
 Acq: 17 Sep 2019 20:21

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050EC

Tot Ion: 76 Resp: 194985
 Ion Ratio Lower Upper
 76 100
 78 32.0 25.6 38.4

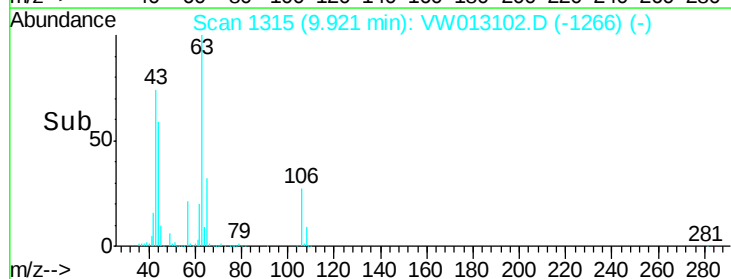
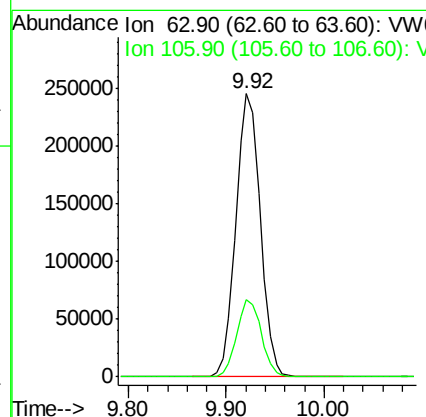
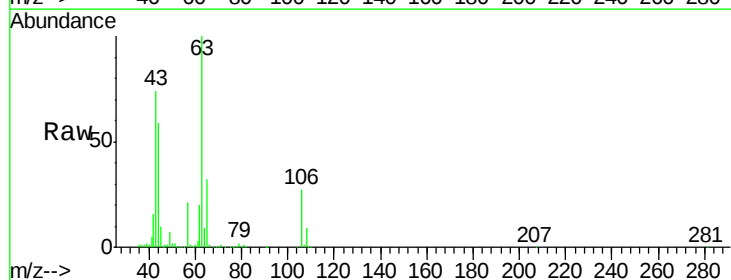
Manual Integrations
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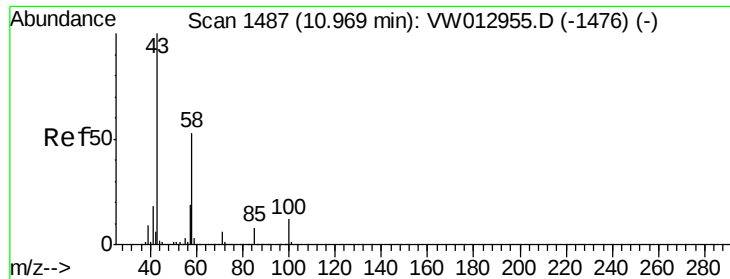
MMDadoda
 9/19/2019 1:27:27 AM



#58
 2-Chloroethyl Vinyl ether
 Concen: 288.093 ug/l
 RT: 9.92 min Scan# 1315
 Delta R.T. -0.00 min
 Lab File: VW013102.D
 Acq: 17 Sep 2019 20:21

Tgt Ion: 63 Resp: 425068
 Ion Ratio Lower Upper
 63 100
 106 27.3 22.2 33.2





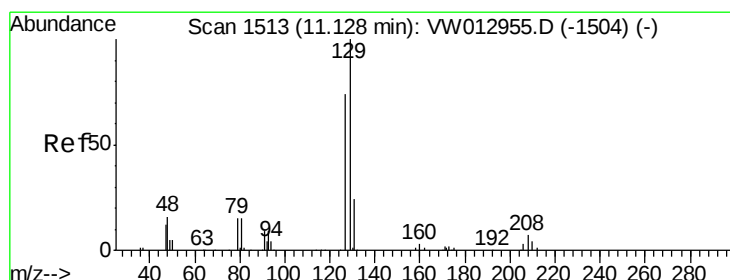
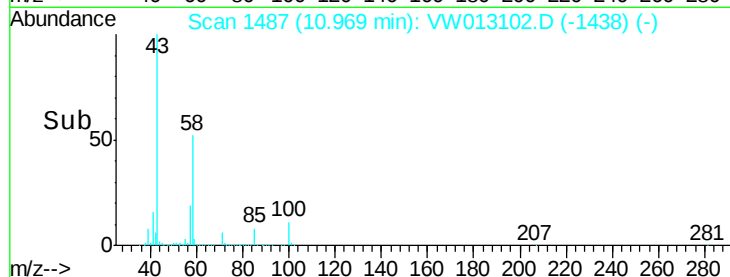
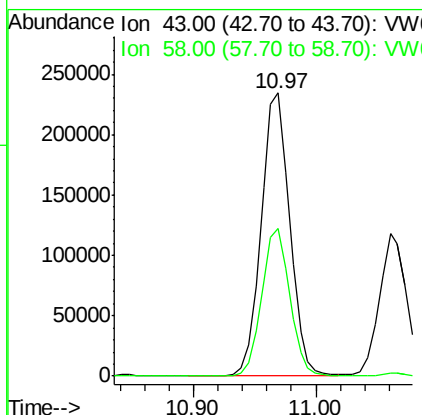
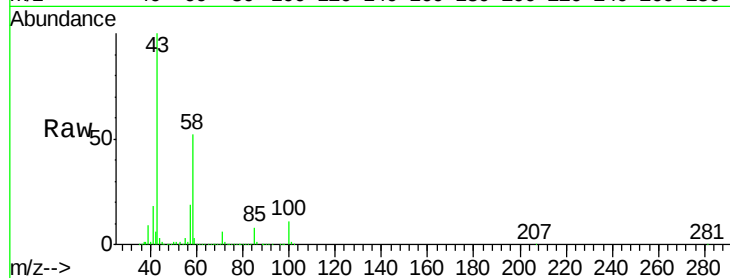
#59
2-Hexanone
Concen: 277.053 ug/l
RT: 10.97 min Scan# 1487
Delta R.T. -0.00 min
Lab File: VW013102.D
Acq: 17 Sep 2019 20:21

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tot Ion: 43 Resp: 383152
Ion Ratio Lower Upper
43 100
58 51.3 25.8 77.3

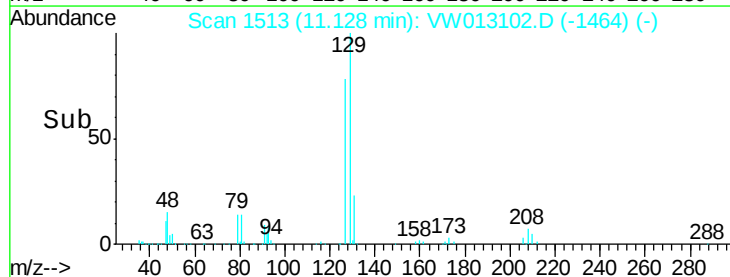
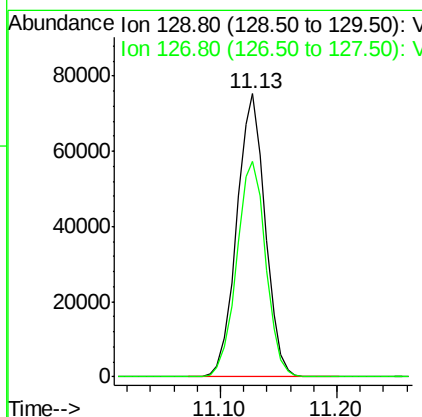
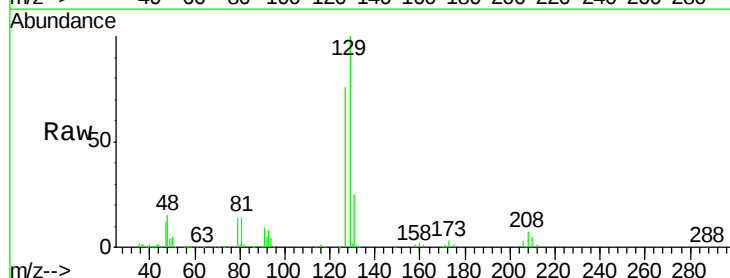
Manual Integrations
APPROVED

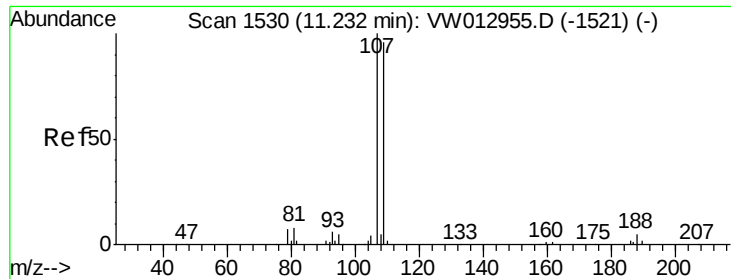
MMDadoda
9/19/2019 1:27:27 AM



#60
Dibromochloromethane
Concen: 51.836 ug/l
RT: 11.13 min Scan# 1513
Delta R.T. -0.00 min
Lab File: VW013102.D
Acq: 17 Sep 2019 20:21

Tgt Ion: 129 Resp: 128059
Ion Ratio Lower Upper
129 100
127 77.7 37.4 112.2





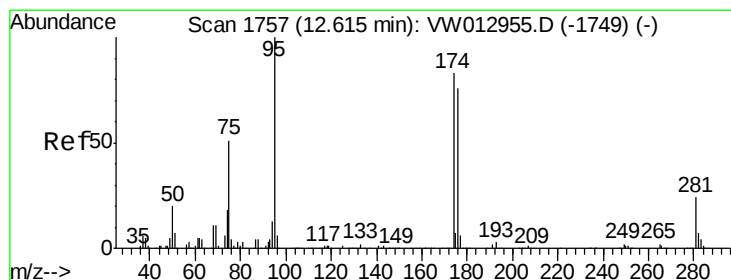
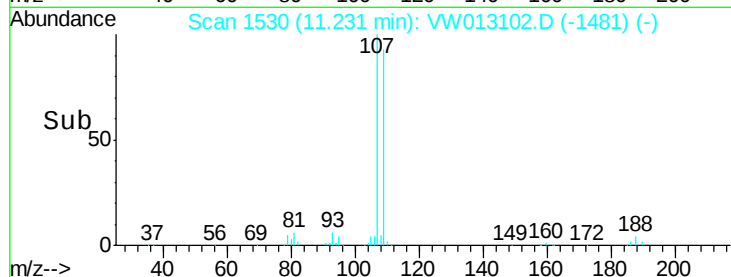
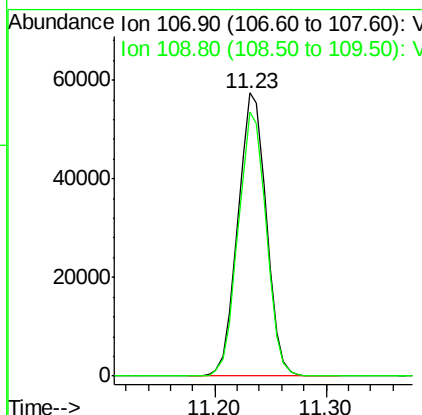
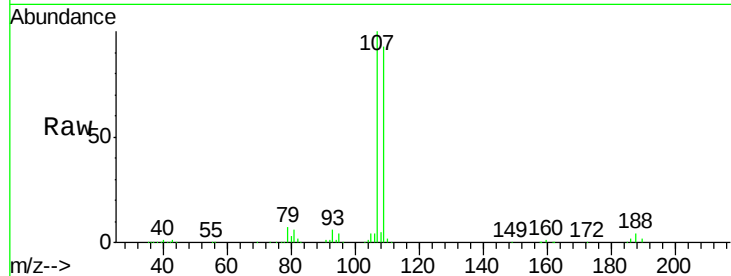
#61
 1,2-Dibromoethane
 Concen: 54.342 ug/l
 RT: 11.23 min Scan# 1530
 Delta R.T. -0.00 min
 Lab File: VW013102.D
 Acq: 17 Sep 2019 20:21

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
107	100		
109	92.3	75.0	112.6

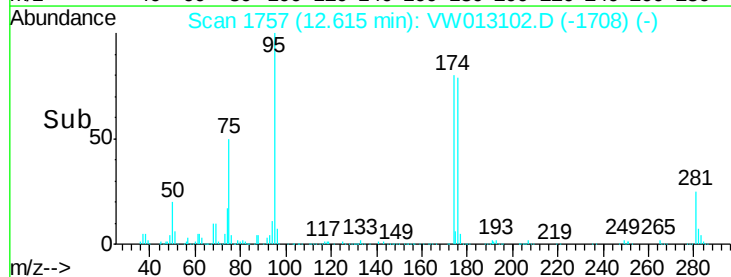
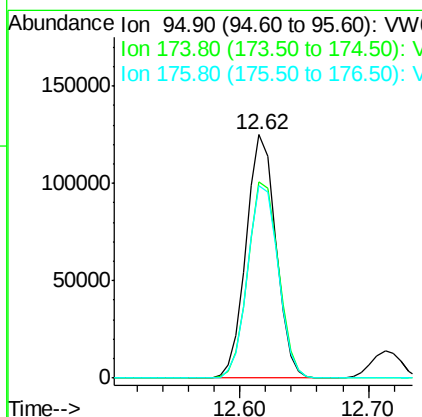
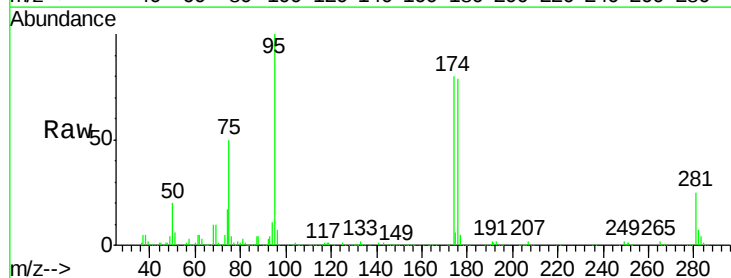
Manual Integrations
 APPROVED

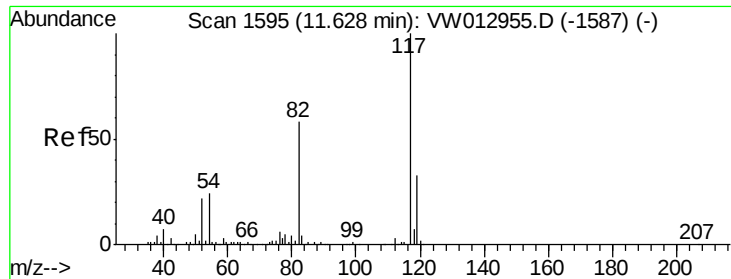
MMDadoda
 9/19/2019 1:27:27 AM



#62
 4-Bromofluorobenzene
 Concen: 55.193 ug/l
 RT: 12.62 min Scan# 1757
 Delta R.T. -0.00 min
 Lab File: VW013102.D
 Acq: 17 Sep 2019 20:21

Tgt Ion	Ratio	Lower	Upper
95	100		
174	83.0	0.0	170.4
176	81.3	0.0	164.6





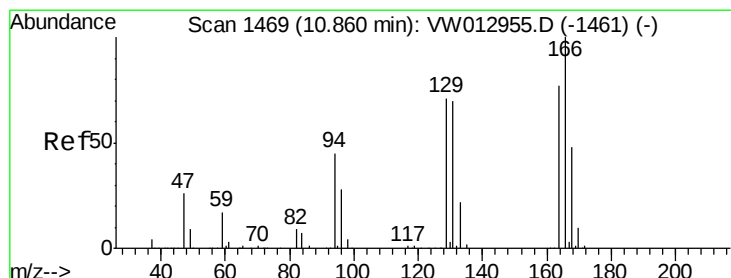
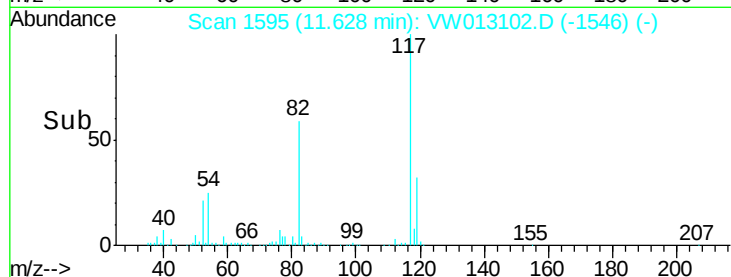
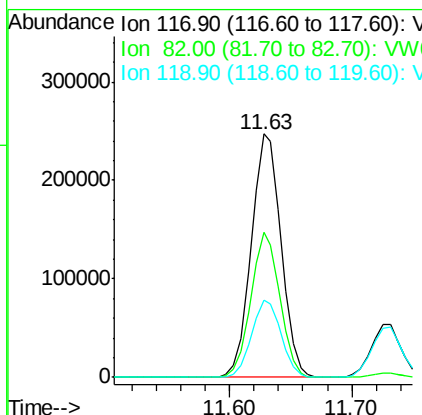
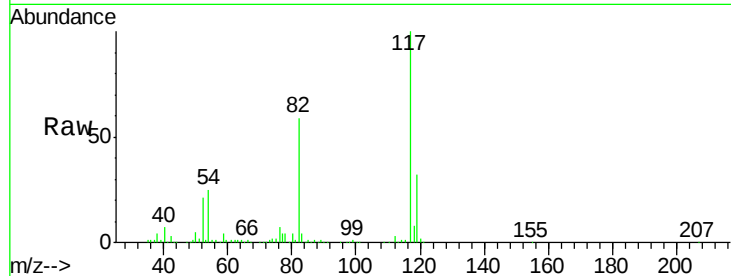
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1595
Delta R.T. -0.00 min
Lab File: VW013102.D
Acq: 17 Sep 2019 20:21

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
117	100	419197		
82	59.3	46.3	69.5	
119	31.8	26.2	39.4	

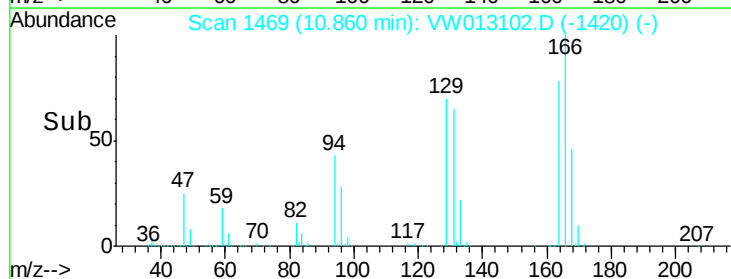
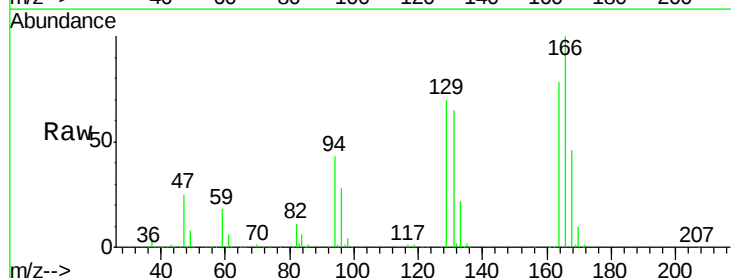
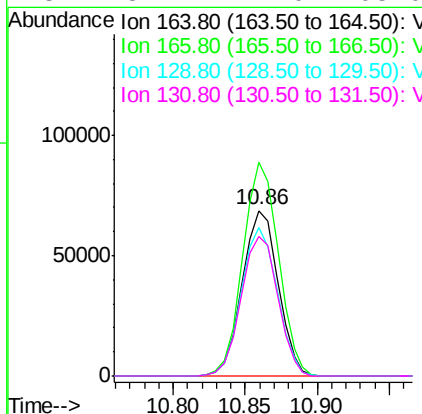
Manual Integrations
APPROVED

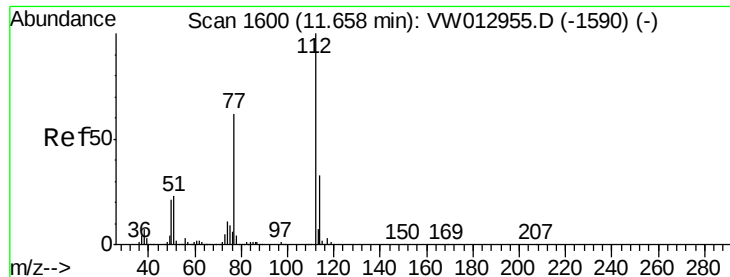
MMDadoda
9/19/2019 1:27:27 AM



#64
Tetrachloroethene
Concen: 47.638 ug/l
RT: 10.86 min Scan# 1469
Delta R.T. -0.00 min
Lab File: VW013102.D
Acq: 17 Sep 2019 20:21

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	118800		
166	128.9	103.3	154.9	
129	89.8	73.8	110.8	
131	84.4	72.0	108.0	





#65

Chlorobenzene

Concen: 49.689 ug/l

RT: 11.66 min Scan# 1600

Delta R.T. -0.00 min

Lab File: VW013102.D

Acq: 17 Sep 2019 20:21

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

Tot Ion:112 Resp: 371018

Ion Ratio Lower Upper

112 100

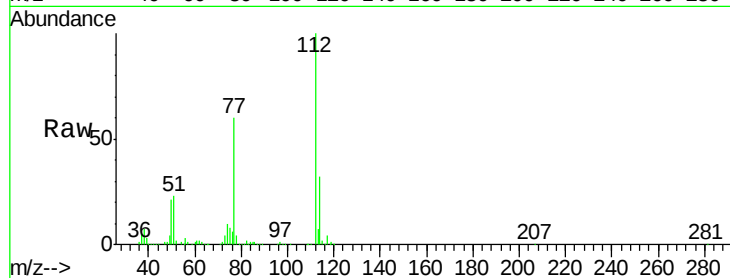
114 32.2 26.4 39.6

Manual Integrations

APPROVED

MMDadoda

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Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V

11.66

200000

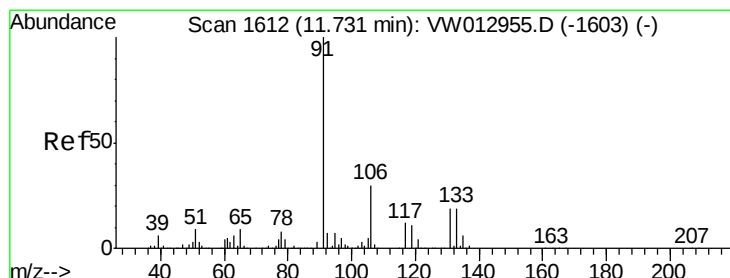
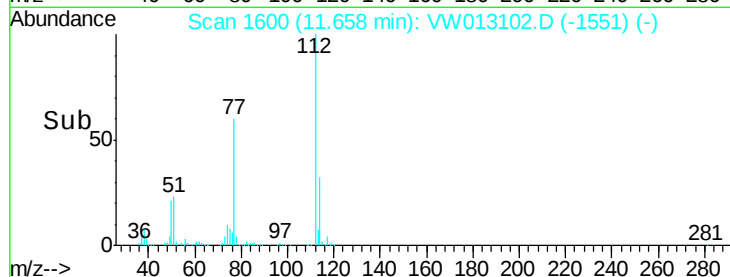
150000

100000

50000

0

Time-->



#66

1,1,1,2-Tetrachloroethane

Concen: 49.856 ug/l

RT: 11.73 min Scan# 1611

Delta R.T. -0.01 min

Lab File: VW013102.D

Acq: 17 Sep 2019 20:21

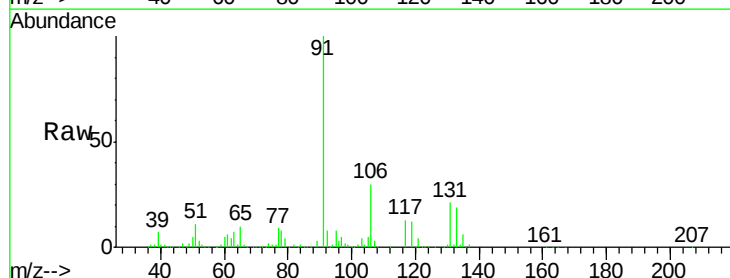
Tgt Ion:131 Resp: 142661

Ion Ratio Lower Upper

131 100

133 95.4 47.9 143.8

119 62.2 30.9 92.7



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

100000

80000

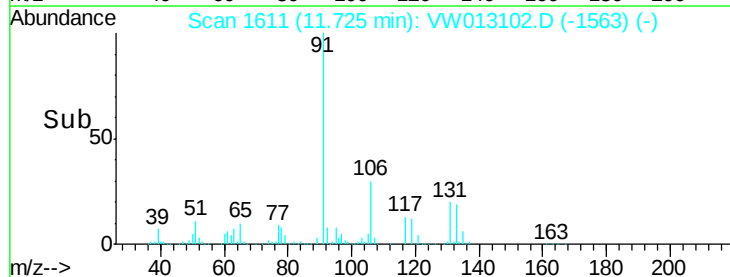
60000

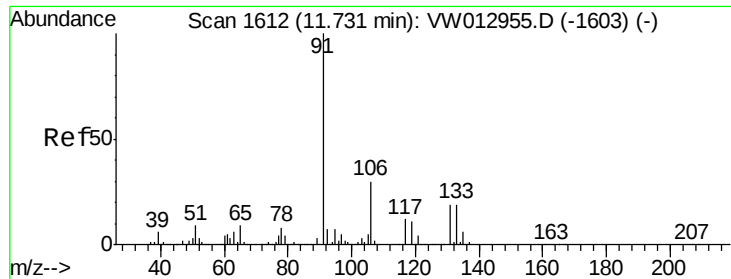
40000

20000

0

Time-->





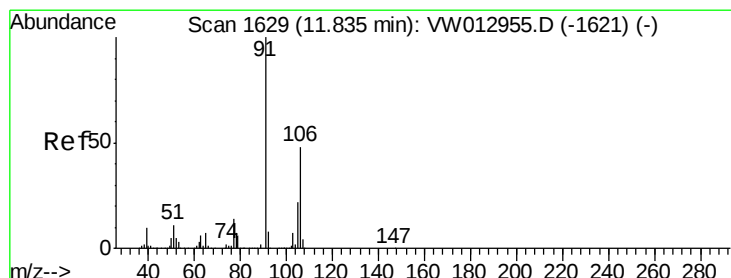
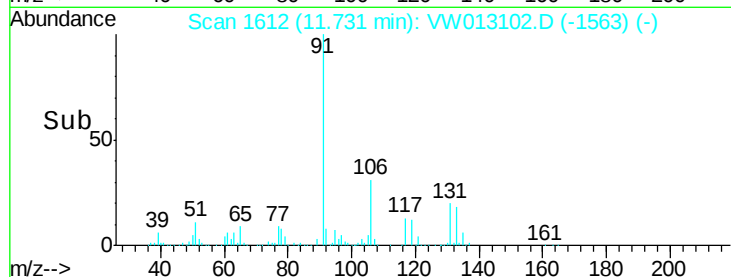
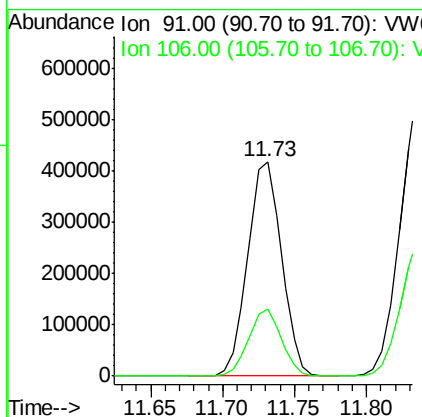
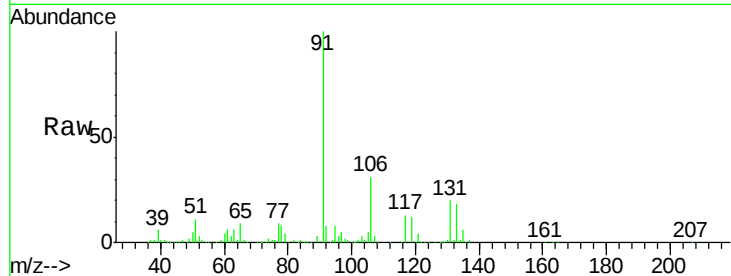
#67
Ethyl Benzene
Concen: 49.354 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. -0.00 min
Lab File: VW013102.D
Acq: 17 Sep 2019 20:21

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tot Ion: 91 Resp: 680612
Ion Ratio Lower Upper
91 100
106 31.0 24.3 36.5

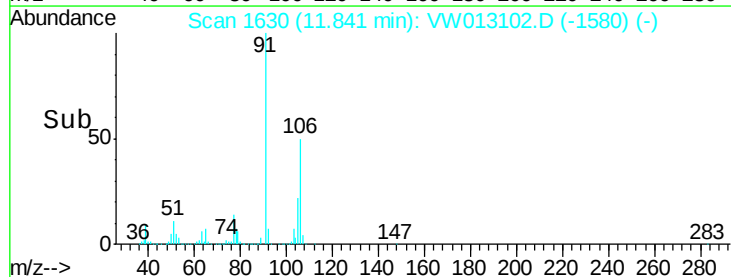
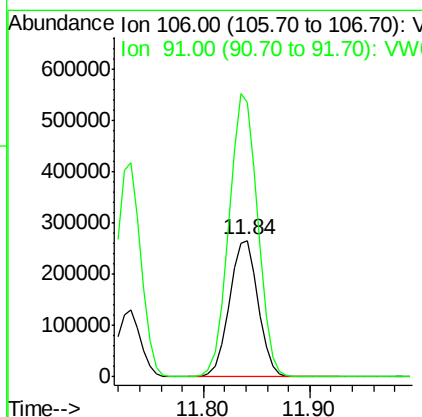
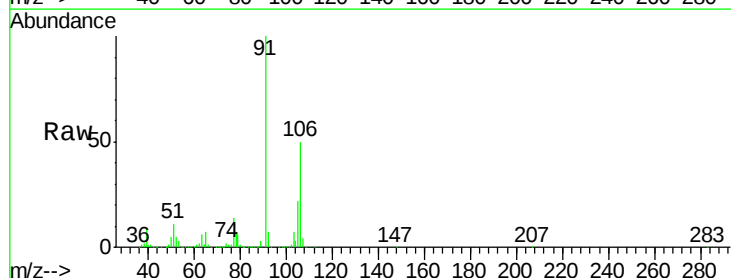
Manual Integrations
APPROVED

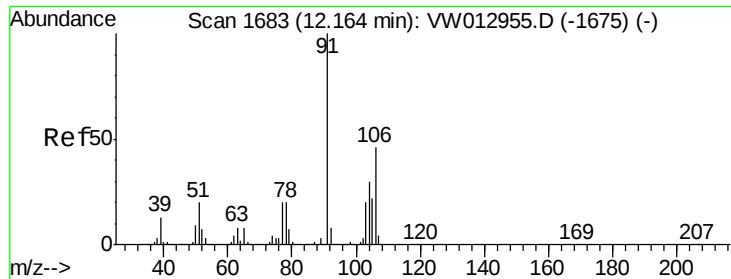
MMDadoda
9/19/2019 1:27:27 AM



#68
m/p-Xylenes
Concen: 99.713 ug/l
RT: 11.84 min Scan# 1630
Delta R.T. 0.01 min
Lab File: VW013102.D
Acq: 17 Sep 2019 20:21

Tgt Ion: 106 Resp: 502334
Ion Ratio Lower Upper
106 100
91 207.2 165.8 248.8





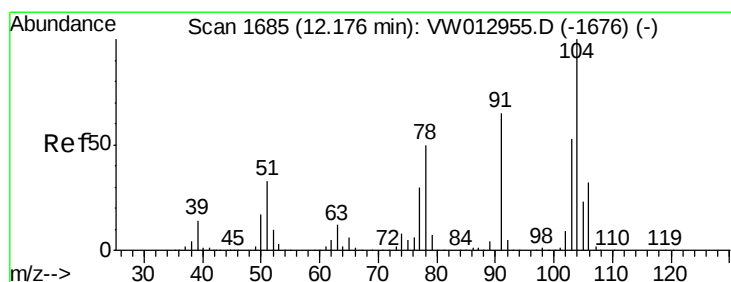
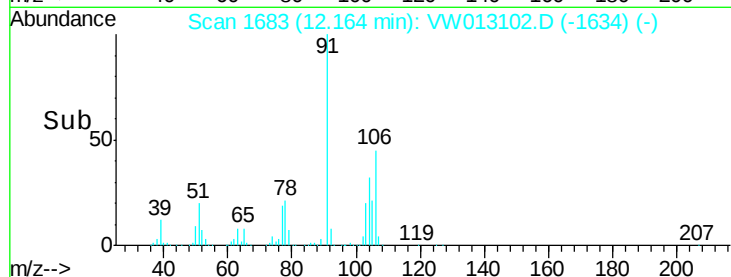
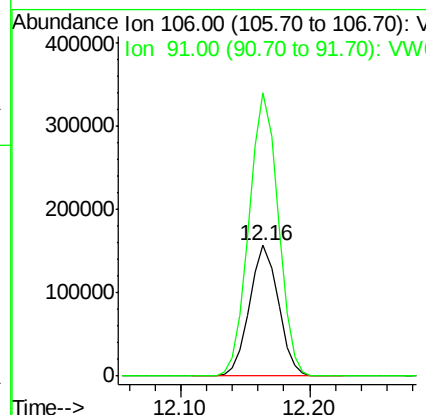
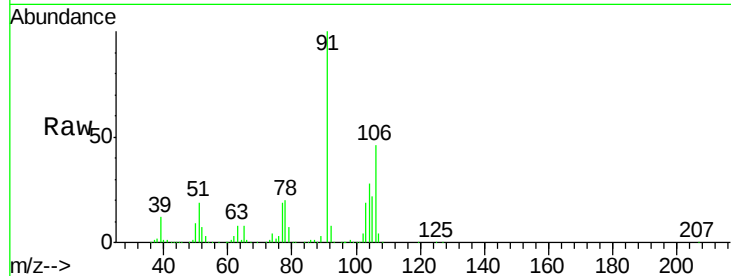
#69
o-Xylene
Concen: 51.229 ug/l
RT: 12.16 min Scan# 1683
Delta R.T. -0.00 min
Lab File: VW013102.D
Acq: 17 Sep 2019 20:21

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ion	Ratio	Resp	Lower	Upper
106	100		241957		
91	219.6	109.7	329.0		

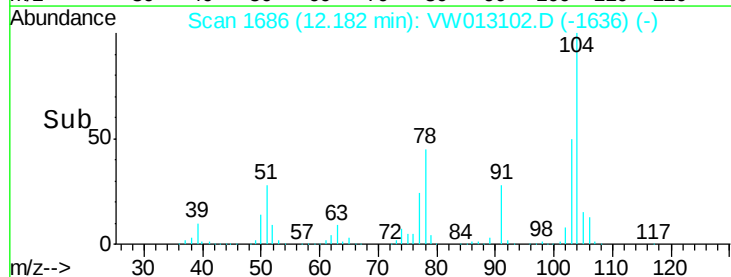
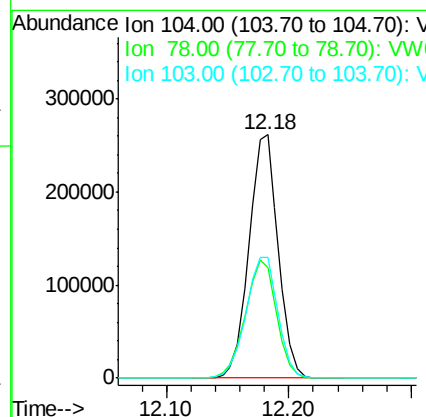
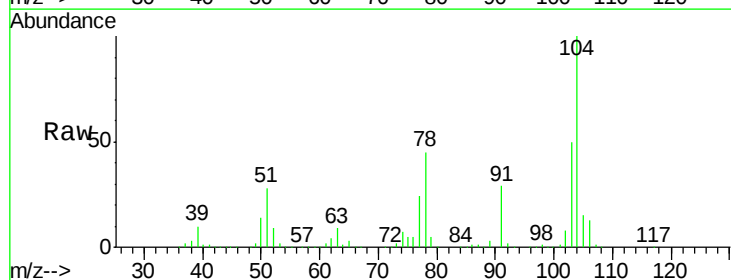
Manual Integrations
APPROVED

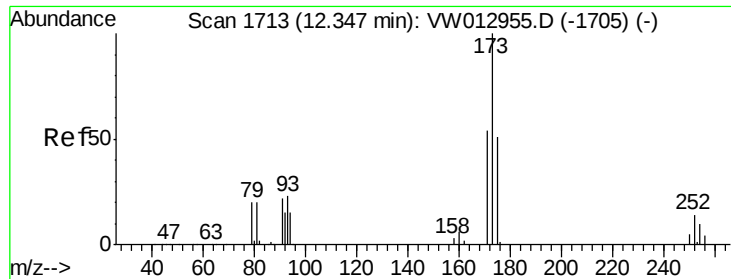
MMDadoda
9/19/2019 1:27:27 AM



#70
Styrene
Concen: 51.397 ug/l
RT: 12.18 min Scan# 1686
Delta R.T. 0.01 min
Lab File: VW013102.D
Acq: 17 Sep 2019 20:21

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
104	100		431831		
78	52.2	42.1	63.1		
103	54.5	44.2	66.4		





#71

Bromoform

Concen: 52.319 ug/l

RT: 12.35 min Scan# 1713

Delta R.T. -0.00 min

Lab File: VW013102.D

Acq: 17 Sep 2019 20:21

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

Tot Ion:173 Resp: 78637

Ion Ratio Lower Upper

173 100

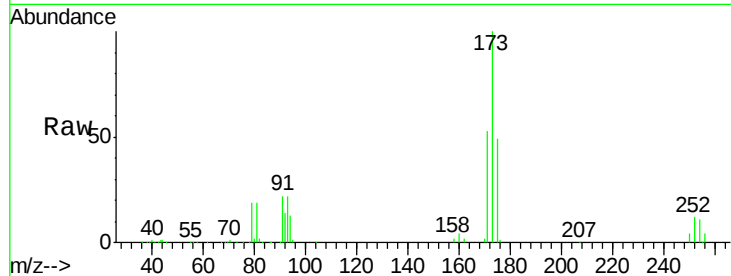
175 48.9 24.2 72.6

254 0.2 0.1 0.1#

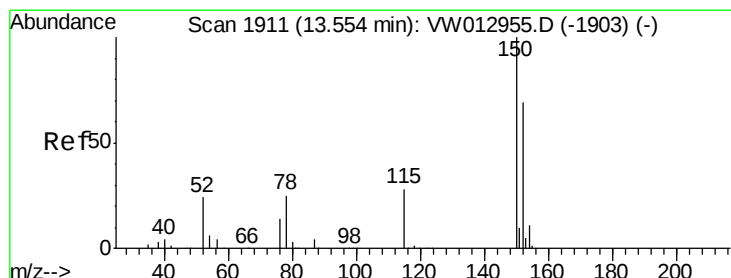
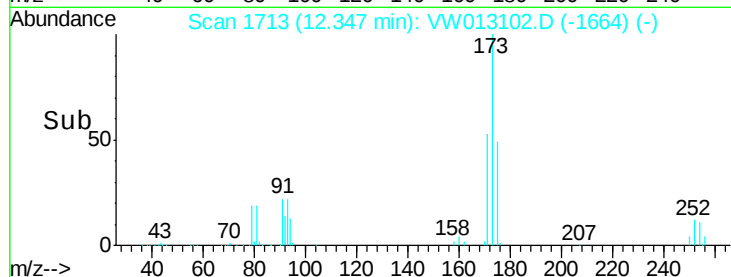
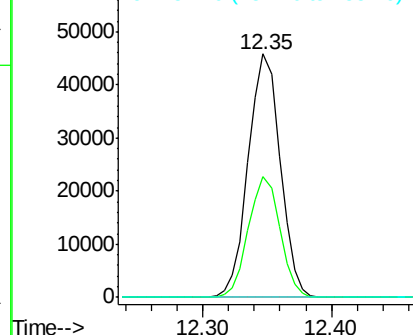
Manual Integrations
APPROVED

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



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.55 min Scan# 1911

Delta R.T. -0.00 min

Lab File: VW013102.D

Acq: 17 Sep 2019 20:21

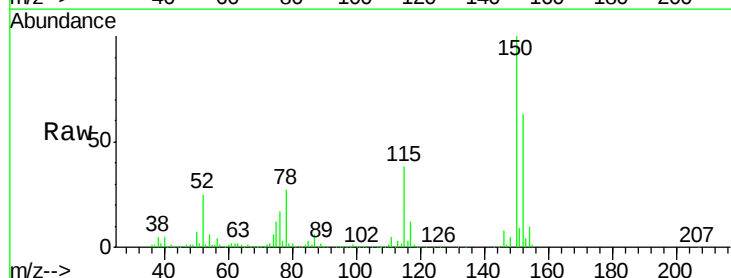
Tgt Ion:152 Resp: 214616

Ion Ratio Lower Upper

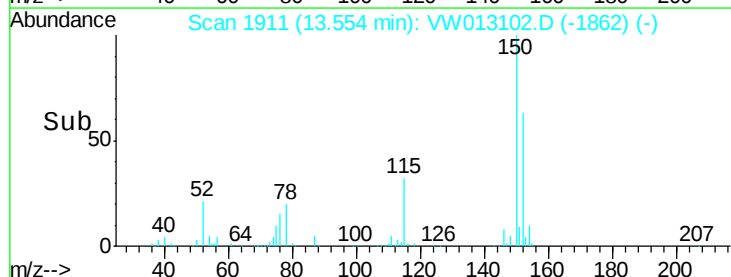
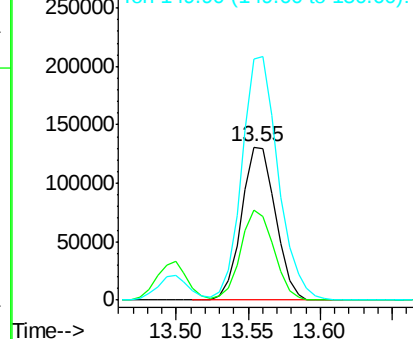
152 100

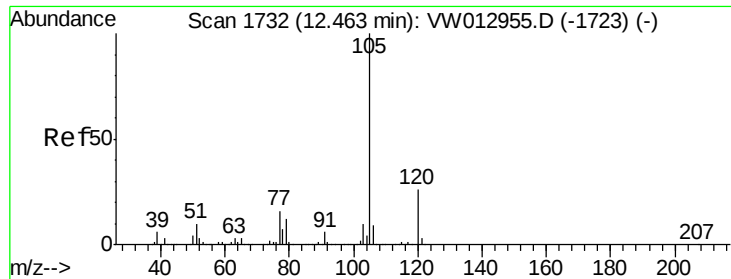
115 57.4 28.8 86.4

150 169.6 0.0 340.2



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





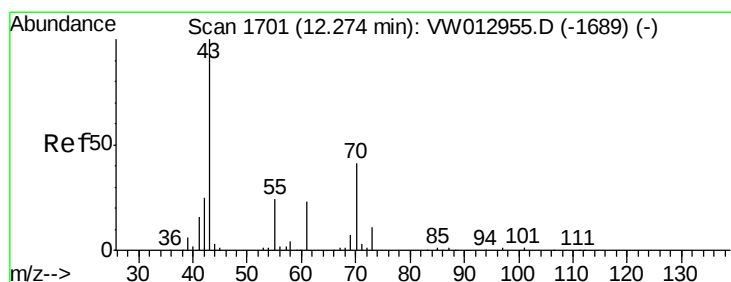
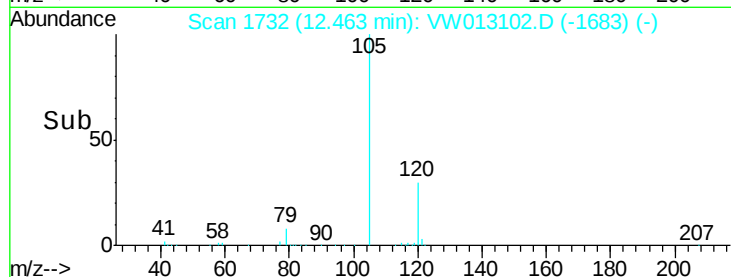
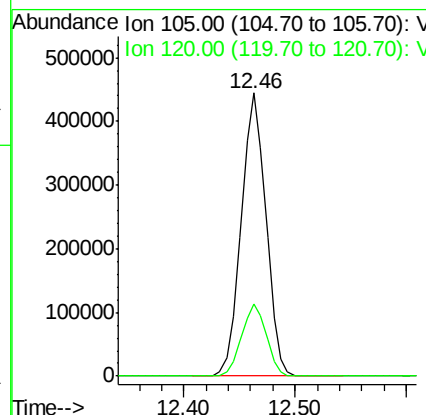
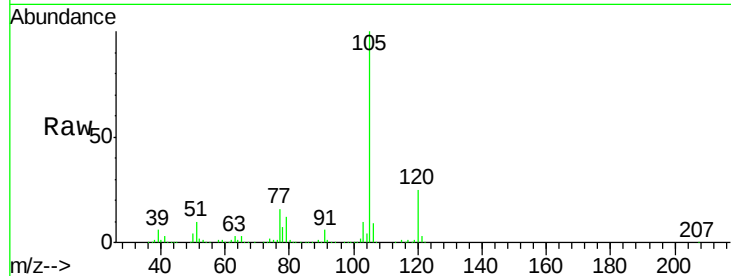
#73
Isopropylbenzene
Concen: 47.954 ug/l
RT: 12.46 min Scan# 1732
Delta R.T. -0.00 min
Lab File: VW013102.D
Acq: 17 Sep 2019 20:21

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
105	100		
120	25.4	13.0	39.0

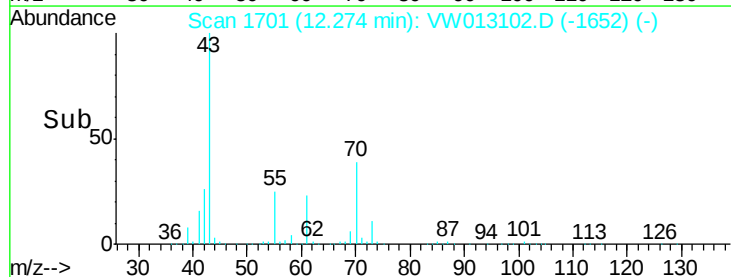
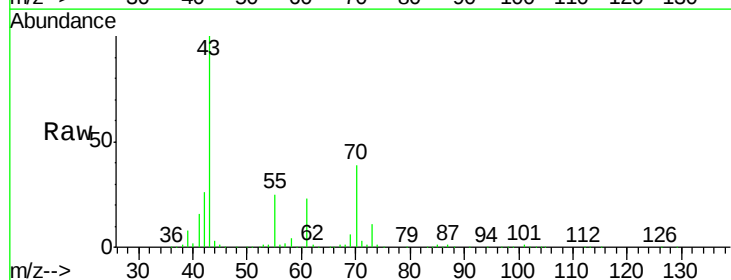
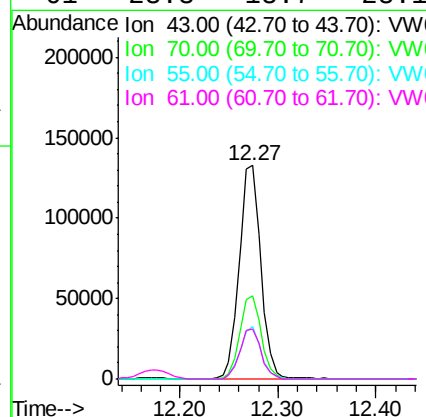
Manual Integrations
APPROVED

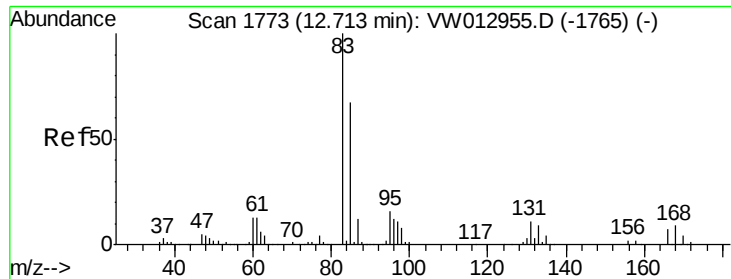
MMDadoda
9/19/2019 1:27:27 AM



#74
N-ethyl acetate
Concen: 55.712 ug/l
RT: 12.27 min Scan# 1701
Delta R.T. -0.00 min
Lab File: VW013102.D
Acq: 17 Sep 2019 20:21

Tgt Ion	Ratio	Lower	Upper
43	100		
70	38.6	31.7	47.5
55	23.7	19.4	29.2
61	23.3	18.7	28.1





#75

1,1,2,2-Tetrachloroethane

Concen: 53.079 ug/l

RT: 12.71 min Scan# 1773

Delta R.T. -0.00 min

Lab File: VW013102.D

Acq: 17 Sep 2019 20:21

Instrument :

MSVOA_W

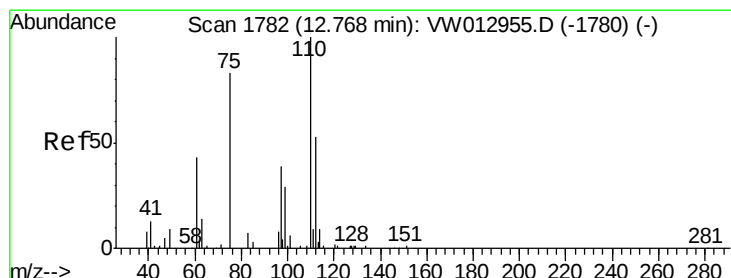
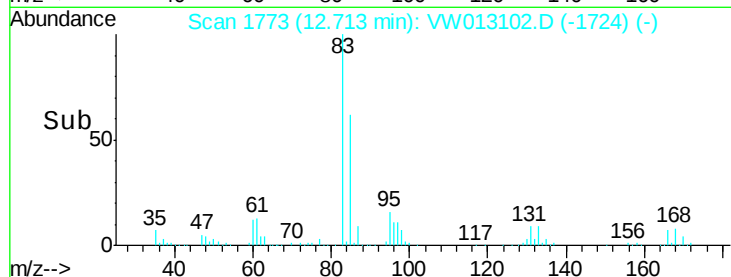
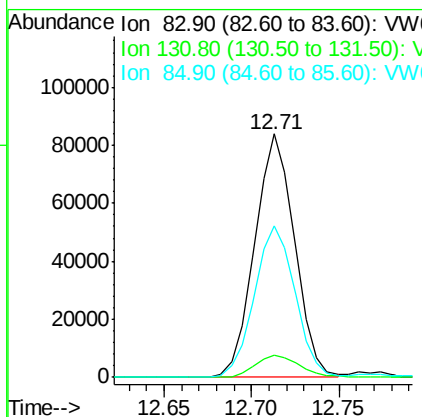
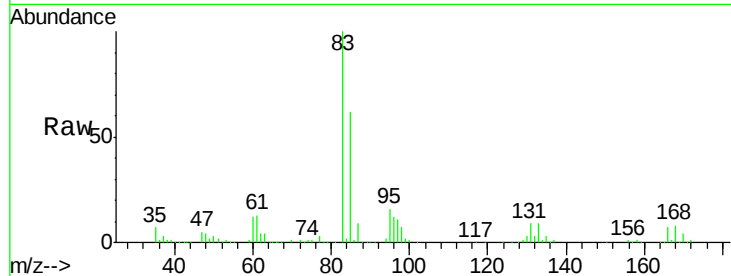
ClientSampleId :

VSTDCCC050EC

Tot Ion:	83	Resp:	132617
Ion Ratio	Lower	Upper	
83	100		
131	10.4	5.7	17.1
85	63.9	31.4	94.3

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#76

1,2,3-Trichloropropane

Concen: 57.044 ug/l m

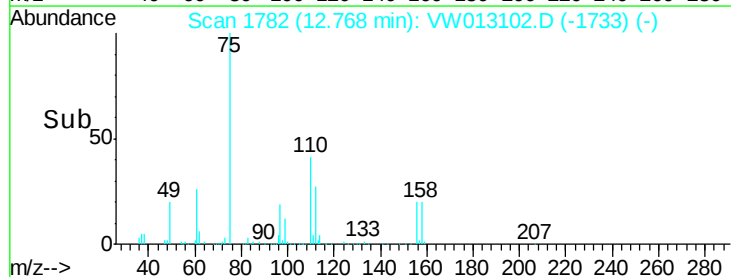
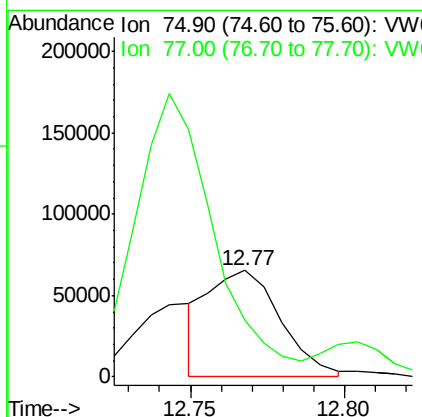
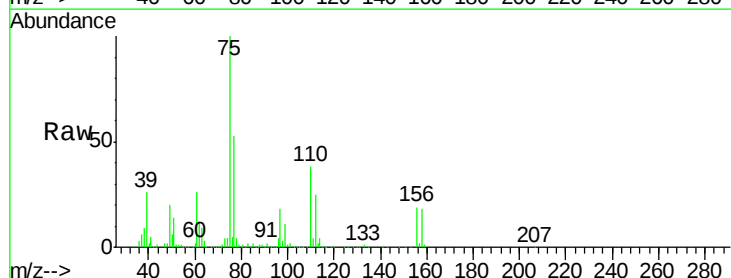
RT: 12.77 min Scan# 1782

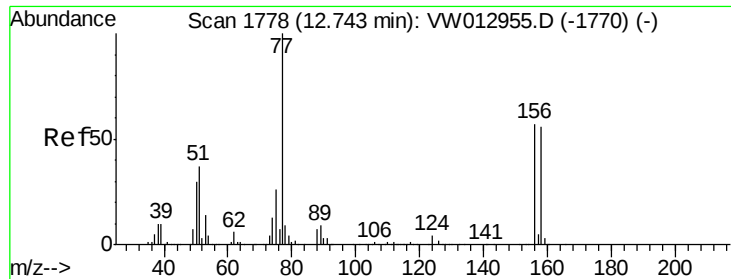
Delta R.T. -0.00 min

Lab File: VW013102.D

Acq: 17 Sep 2019 20:21

Tgt Ion:	75	Resp:	107235
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





#77

Bromobenzene

Concen: 49.638 ug/l

RT: 12.74 min Scan# 1778

Delta R.T. -0.00 min

Lab File: VW013102.D

Acq: 17 Sep 2019 20:21

Instrument :

MSVOA_W

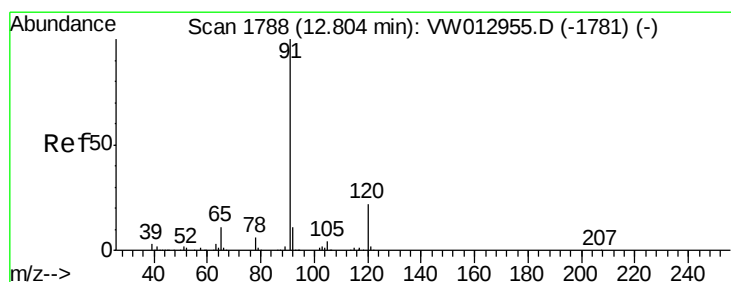
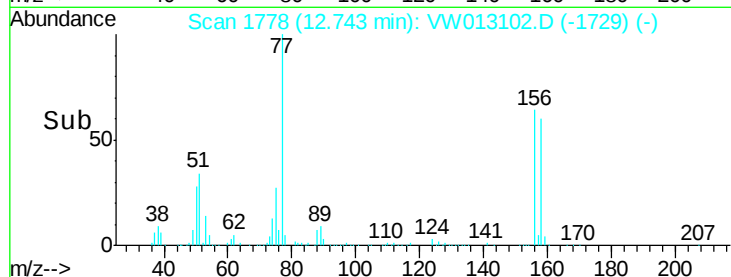
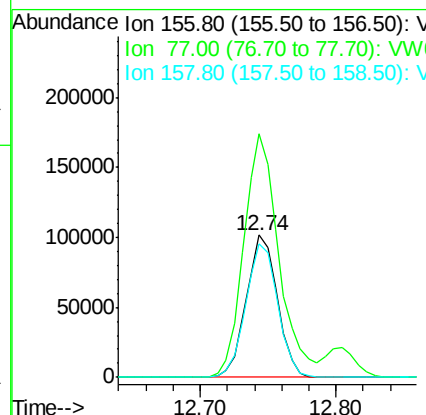
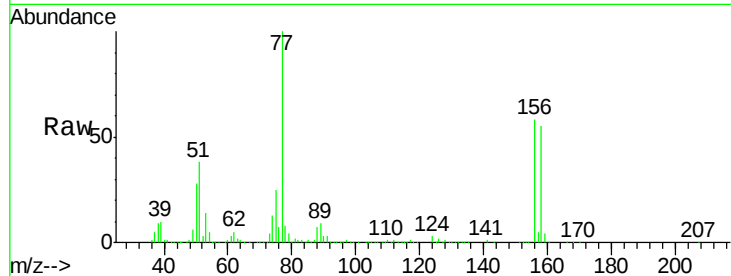
ClientSampleId :

VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
156	100		
77	192.1	95.2	285.6
158	96.1	49.0	147.2

Manual Integrations
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#78

n-propylbenzene

Concen: 48.208 ug/l

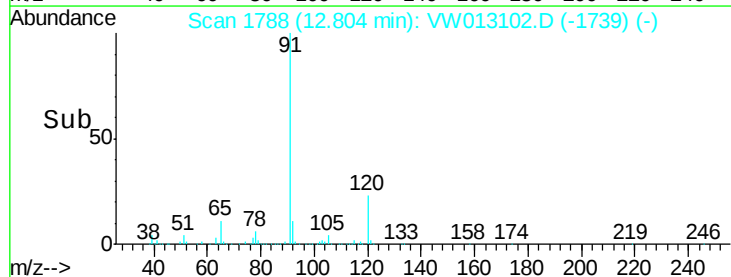
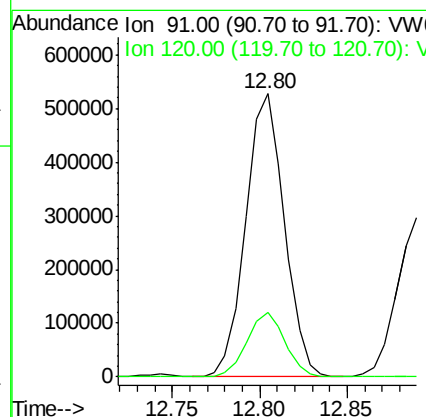
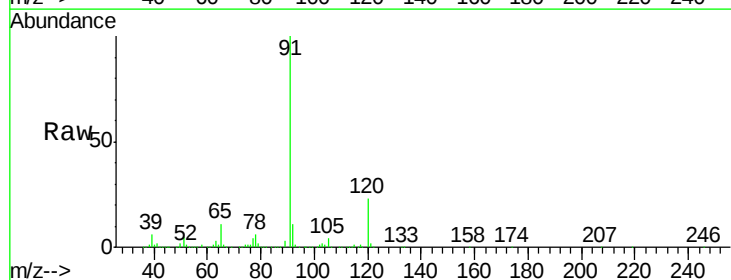
RT: 12.80 min Scan# 1788

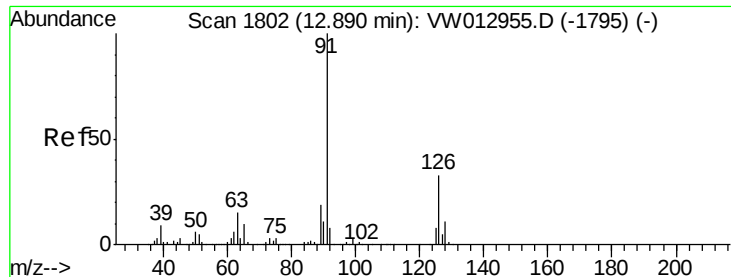
Delta R.T. -0.00 min

Lab File: VW013102.D

Acq: 17 Sep 2019 20:21

Tgt Ion	Ratio	Lower	Upper
91	100		
120	22.4	11.2	33.5





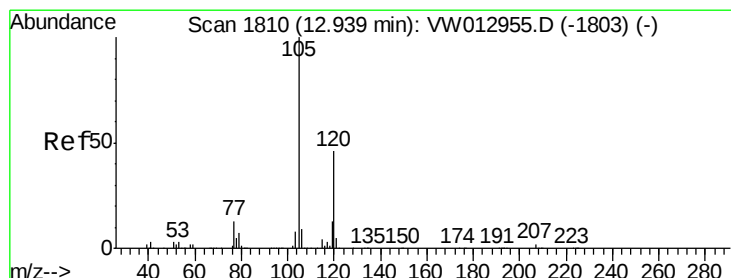
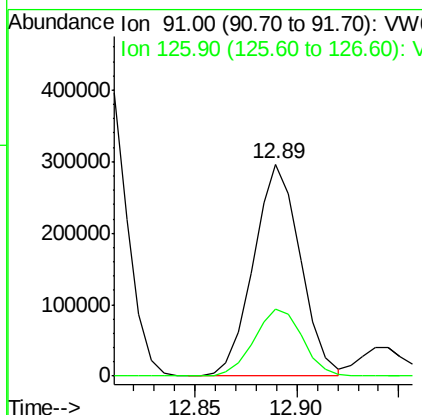
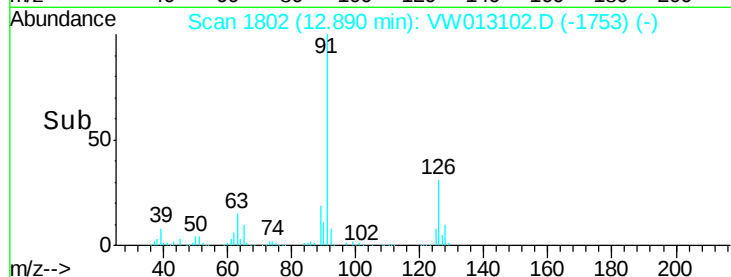
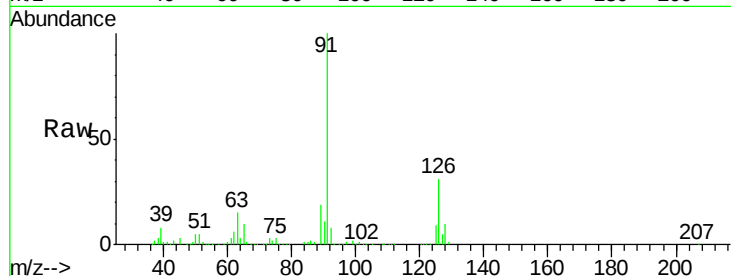
#79
2-Chlorotoluene
Concen: 49.245 ug/l
RT: 12.89 min Scan# 1802
Delta R.T. -0.00 min
Lab File: VW013102.D
Acq: 17 Sep 2019 20:21

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tot Ion: 91 Resp: 473703
Ion Ratio Lower Upper
91 100
126 32.5 16.5 49.5

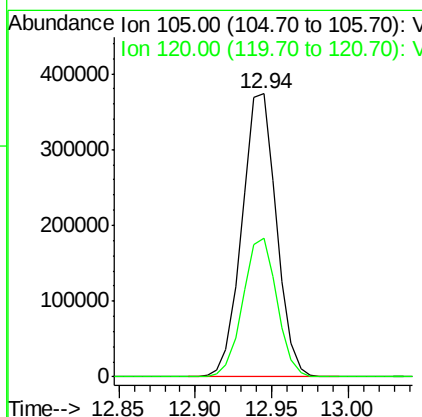
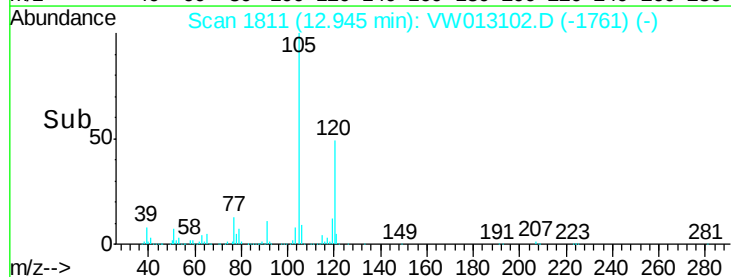
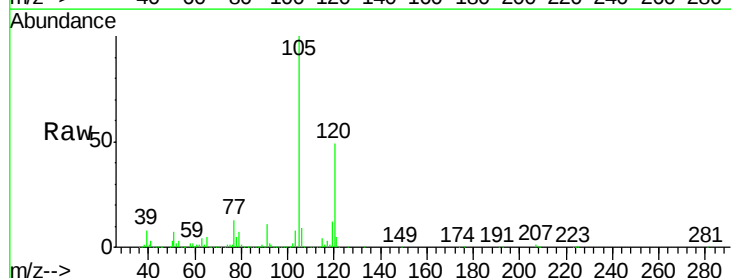
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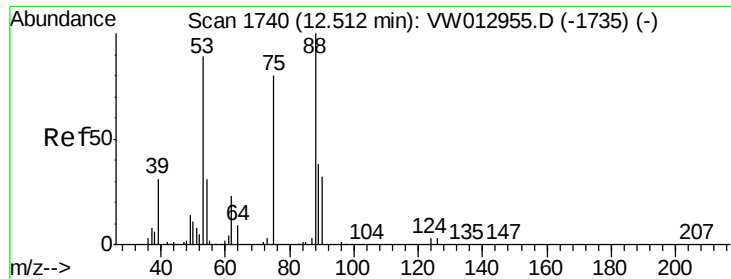
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#80
1,3,5-Trimethylbenzene
Concen: 48.451 ug/l
RT: 12.94 min Scan# 1811
Delta R.T. 0.01 min
Lab File: VW013102.D
Acq: 17 Sep 2019 20:21

Tgt Ion:105 Resp: 583092
Ion Ratio Lower Upper
105 100
120 48.5 24.2 72.6





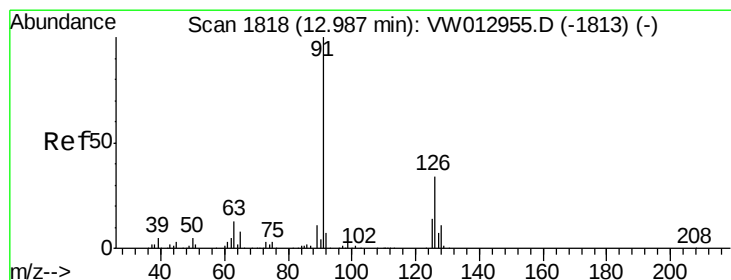
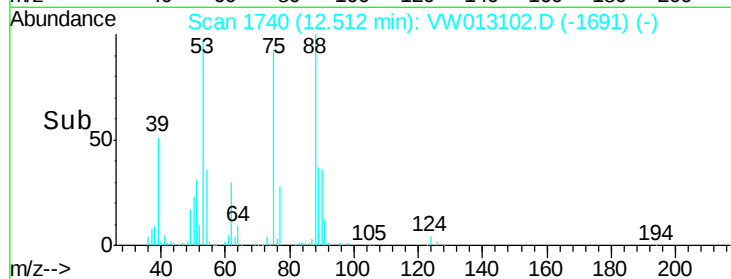
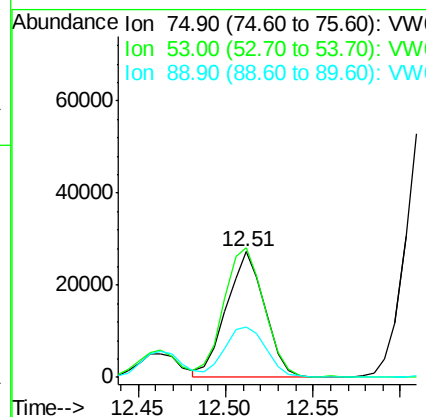
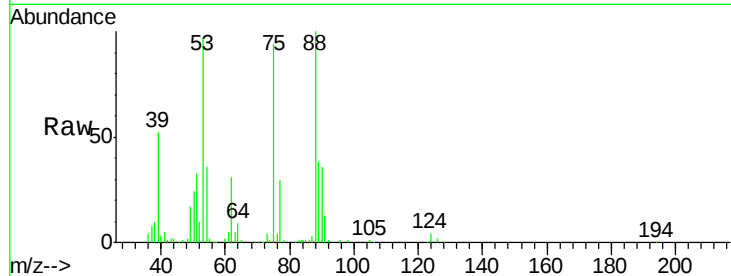
#81
trans-1,4-Dichloro-2-butene
Concen: 49.834 ug/l
RT: 12.51 min Scan# 1740
Delta R.T. -0.00 min
Lab File: VW013102.D
Acq: 17 Sep 2019 20:21

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
75	100		
53	108.4	85.6	128.4
89	43.7	37.2	55.8

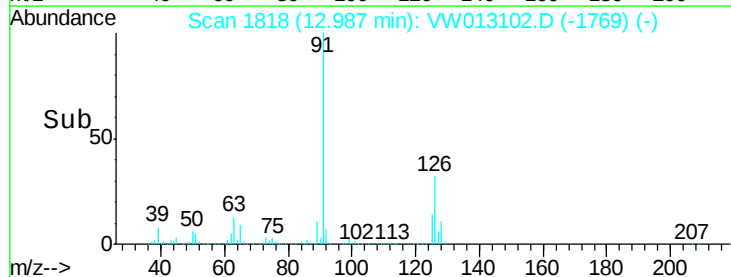
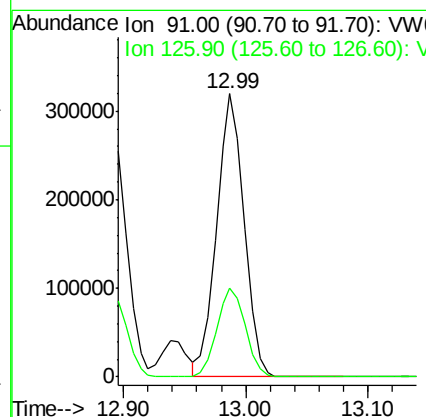
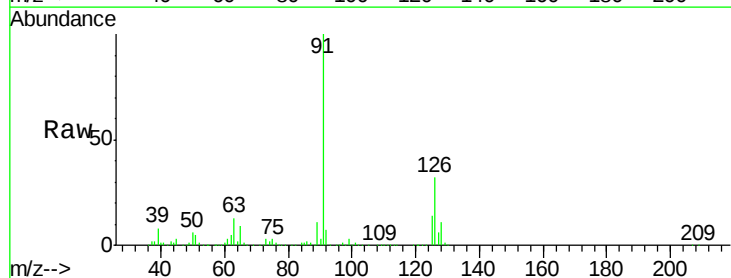
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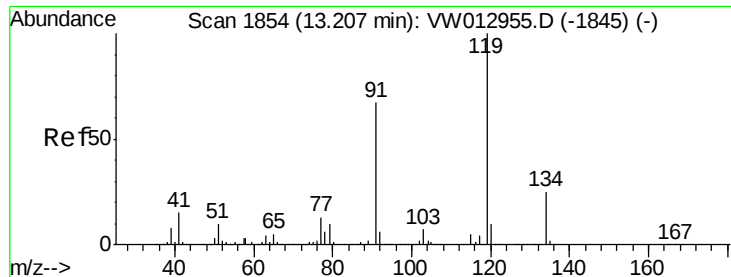
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#82
4-Chlorotoluene
Concen: 49.089 ug/l
RT: 12.99 min Scan# 1818
Delta R.T. -0.00 min
Lab File: VW013102.D
Acq: 17 Sep 2019 20:21

Tgt Ion	Ratio	Lower	Upper
91	100		
126	32.6	16.1	48.3





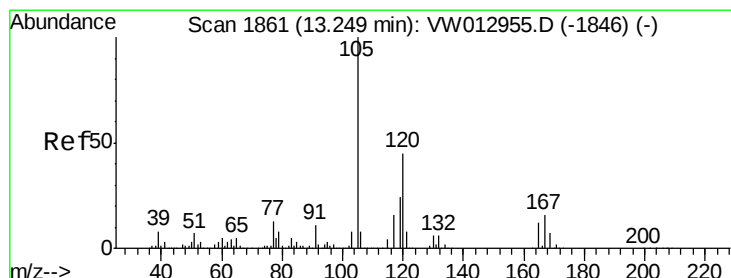
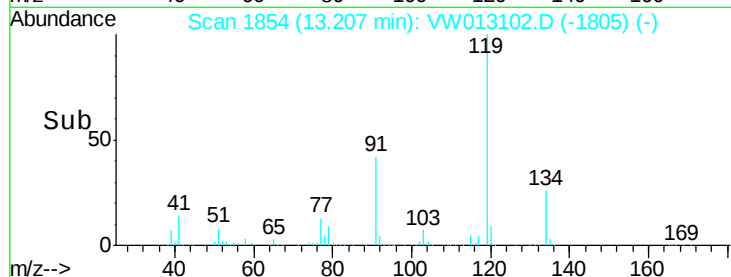
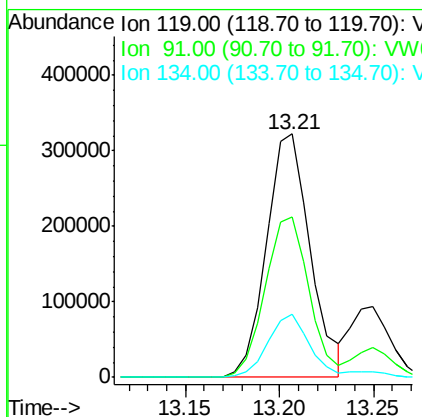
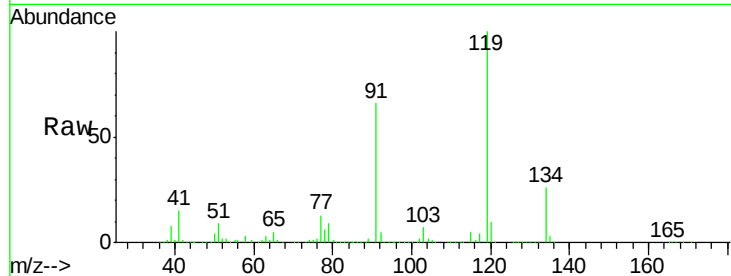
#83
tert-Butylbenzene
Concen: 48.247 ug/l
RT: 13.21 min Scan# 1854
Delta R.T. -0.00 min
Lab File: VW013102.D
Acq: 17 Sep 2019 20:21

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
119	100	519356		
91	66.2		32.6	98.0
134	25.0		12.4	37.4

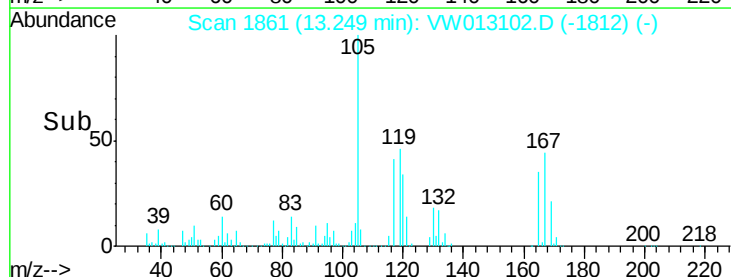
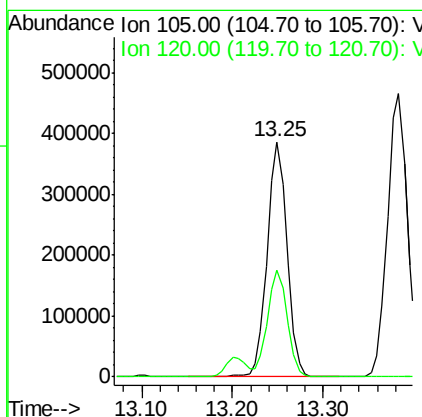
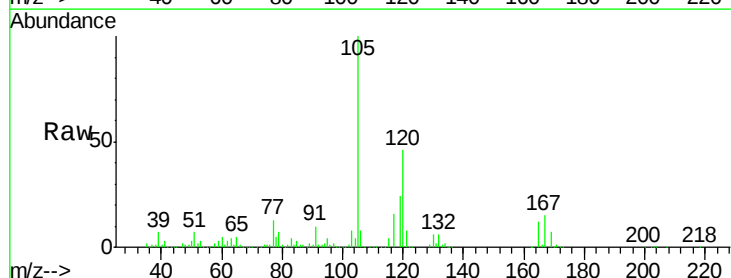
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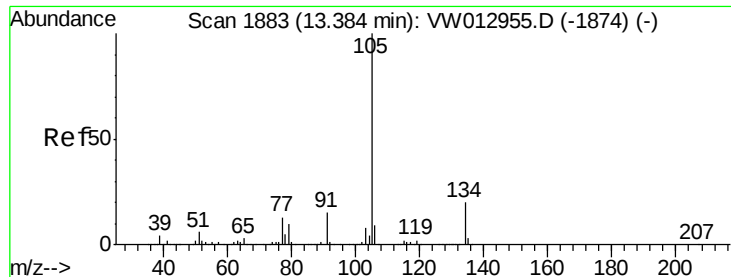
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#84
1,2,4-Trimethylbenzene
Concen: 49.429 ug/l
RT: 13.25 min Scan# 1861
Delta R.T. -0.00 min
Lab File: VW013102.D
Acq: 17 Sep 2019 20:21

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	587821		
120	44.5		21.9	65.7





#85

sec-Butylbenzene

Concen: 48.467 ug/l

RT: 13.38 min Scan# 1883

Delta R.T. -0.00 min

Lab File: VW013102.D

Acq: 17 Sep 2019 20:21

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

Tot Ion:105 Resp: 710817

Ion Ratio Lower Upper

105 100

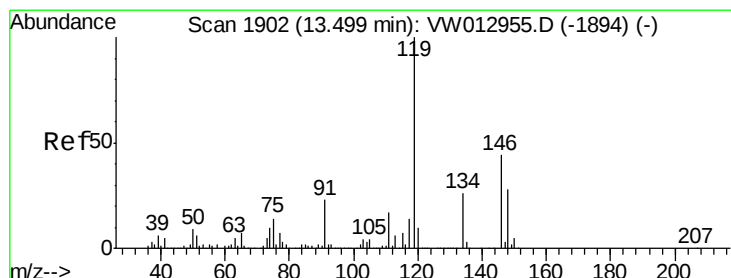
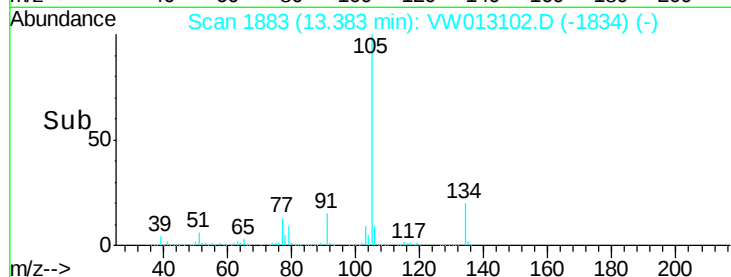
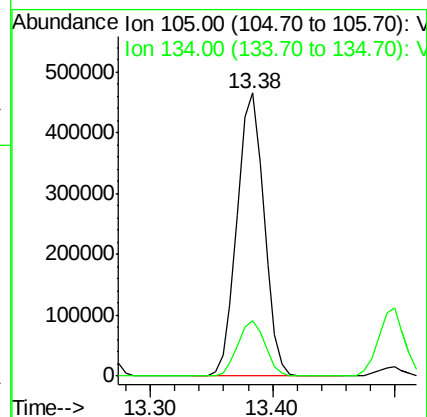
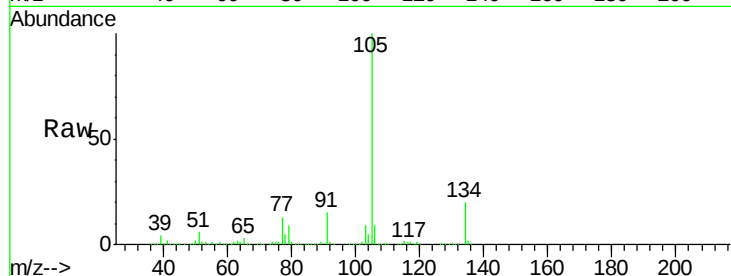
134 19.8 10.2 30.4

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#86

p-Isopropyltoluene

Concen: 48.348 ug/l

RT: 13.50 min Scan# 1902

Delta R.T. -0.00 min

Lab File: VW013102.D

Acq: 17 Sep 2019 20:21

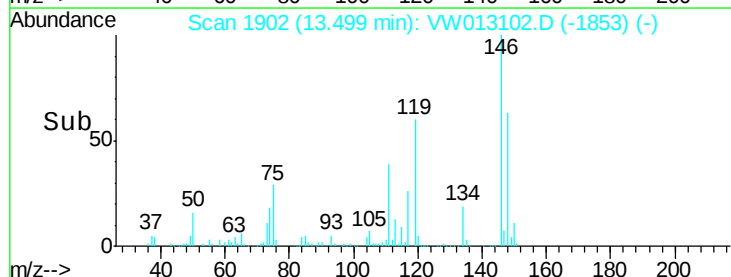
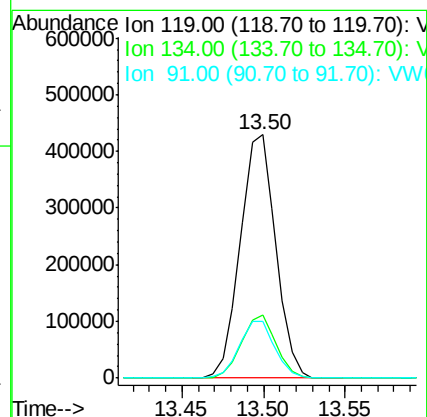
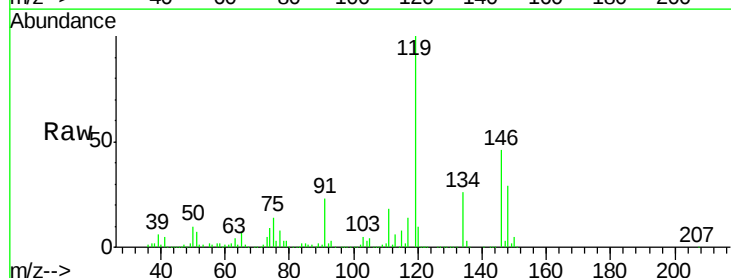
Tgt Ion:119 Resp: 651011

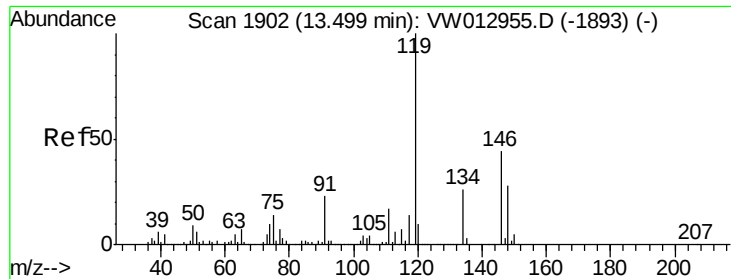
Ion Ratio Lower Upper

119 100

134 25.3 12.8 38.3

91 23.4 11.8 35.4





#87

1,3-Dichlorobenzene

Concen: 48.759 ug/l

RT: 13.50 min Scan# 1902

Delta R.T. -0.00 min

Lab File: VW013102.D

Acq: 17 Sep 2019 20:21

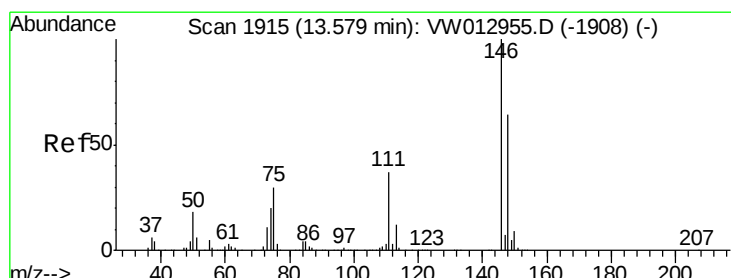
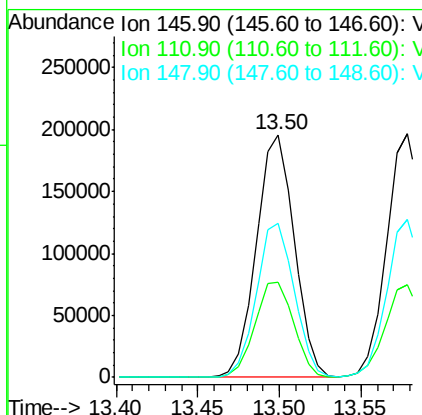
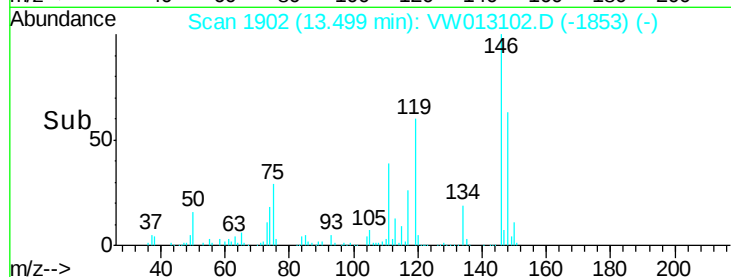
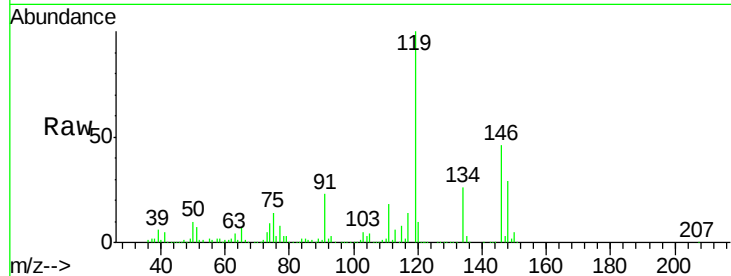
Instrument :
MSVOA_W

ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
146	100	316318		
111	40.1	19.8	59.4	
148	63.4	31.9	95.7	

Manual Integrations
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#88

1,4-Dichlorobenzene

Concen: 48.981 ug/l

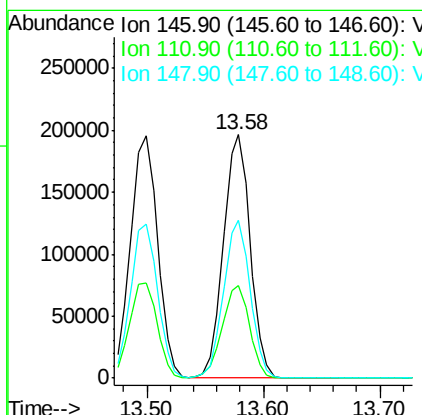
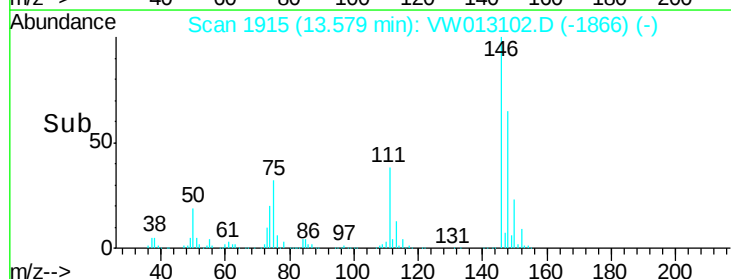
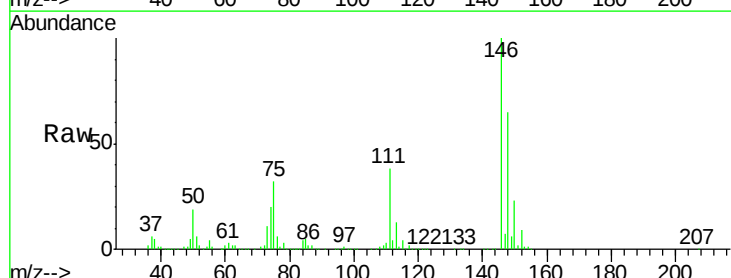
RT: 13.58 min Scan# 1915

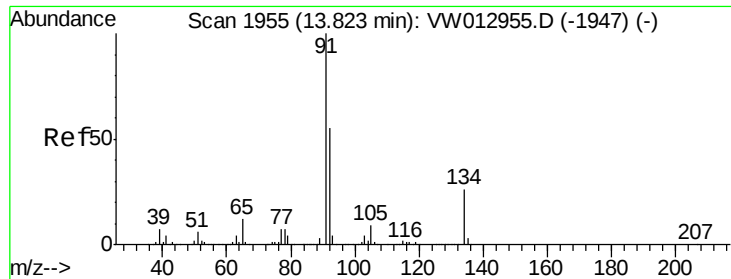
Delta R.T. -0.00 min

Lab File: VW013102.D

Acq: 17 Sep 2019 20:21

Tgt Ion	Ratio	Resp	Lower	Upper
146	100	312267		
111	39.0	19.4	58.2	
148	64.7	31.9	95.5	





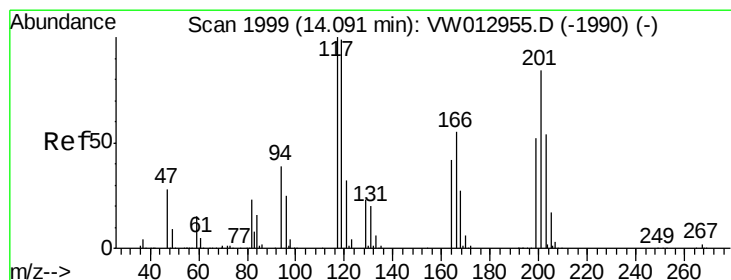
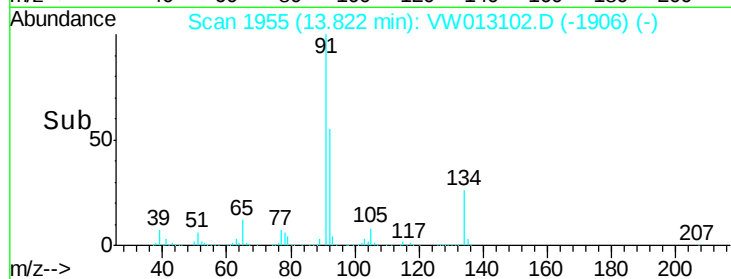
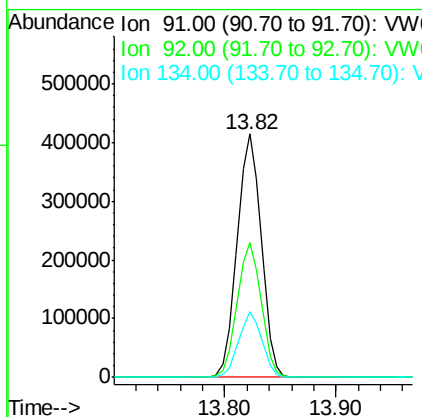
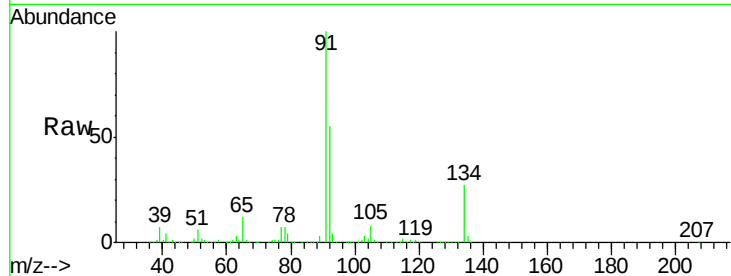
#89
n-Butylbenzene
Concen: 48.893 ug/l
RT: 13.82 min Scan# 1955
Delta R.T. -0.00 min
Lab File: VW013102.D
Acq: 17 Sep 2019 20:21

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
91	100		
92	55.1	27.2	81.5
134	25.9	13.1	39.1

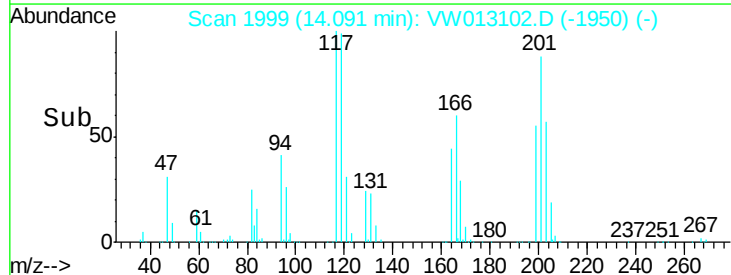
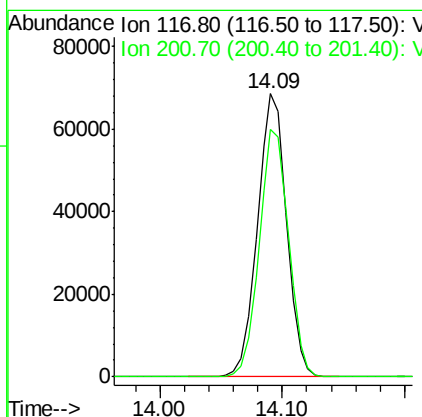
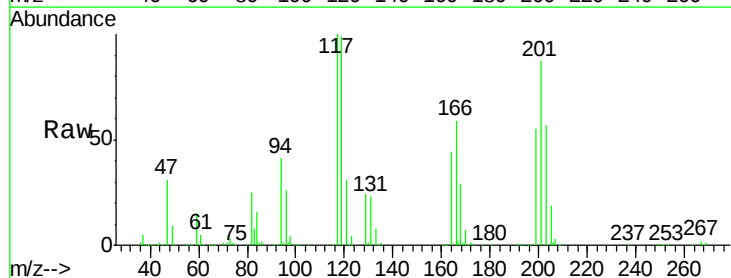
Manual Integrations
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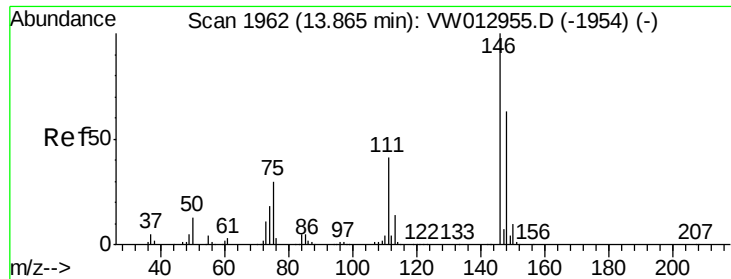
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#90
Hexachloroethane
Concen: 47.027 ug/l
RT: 14.09 min Scan# 1999
Delta R.T. -0.00 min
Lab File: VW013102.D
Acq: 17 Sep 2019 20:21

Tgt Ion	Ratio	Lower	Upper
117	100		
201	88.2	45.3	135.9





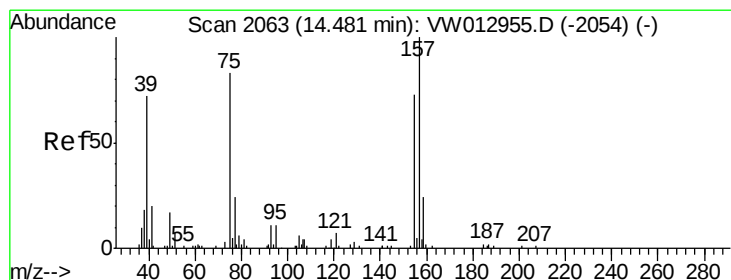
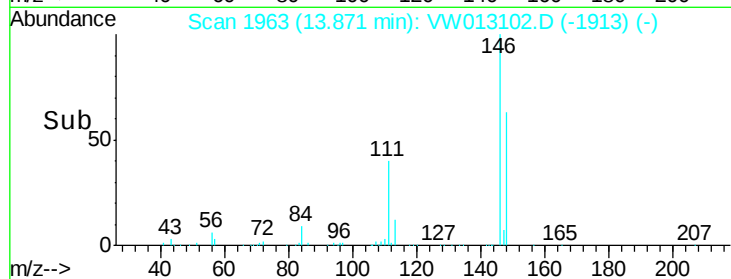
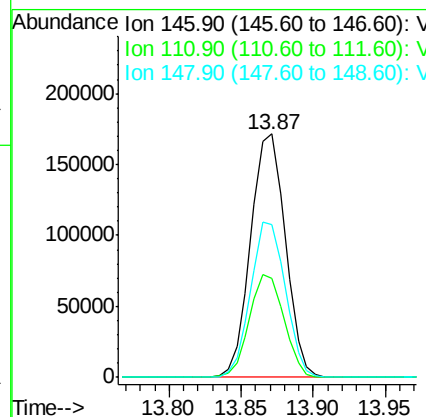
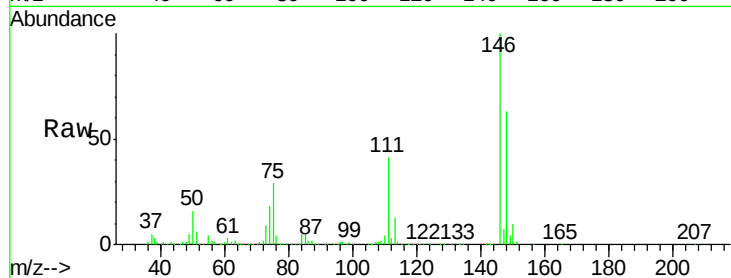
#91
 1,2-Dichlorobenzene
 Concen: 50.137 ug/l
 RT: 13.87 min Scan# 1963
 Delta R.T. 0.01 min
 Lab File: VW013102.D
 Acq: 17 Sep 2019 20:21

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
146	100	286033		
111	42.1	20.8	62.5	
148	63.9	32.7	98.1	

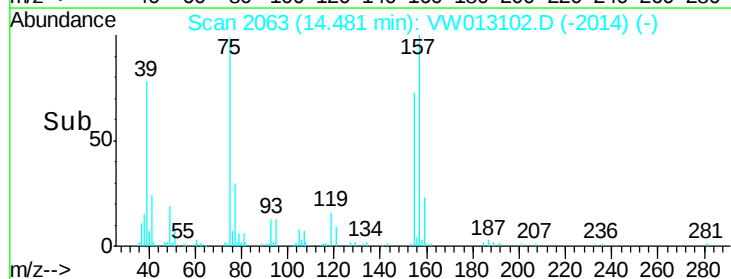
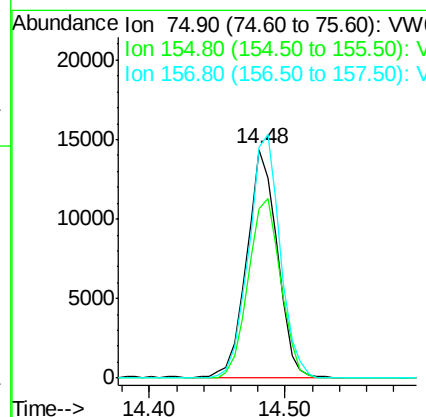
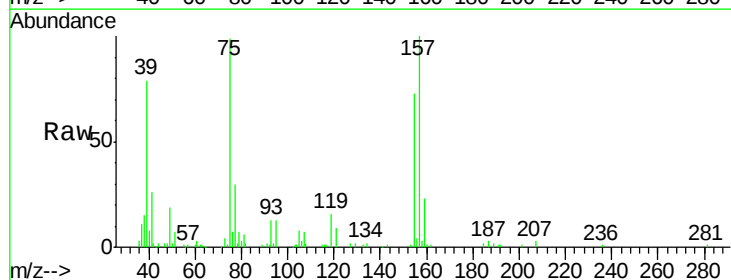
Manual Integrations
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 49.531 ug/l
 RT: 14.48 min Scan# 2063
 Delta R.T. -0.00 min
 Lab File: VW013102.D
 Acq: 17 Sep 2019 20:21

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	22652		
155	82.9	43.3	129.9	
157	109.2	54.7	164.1	





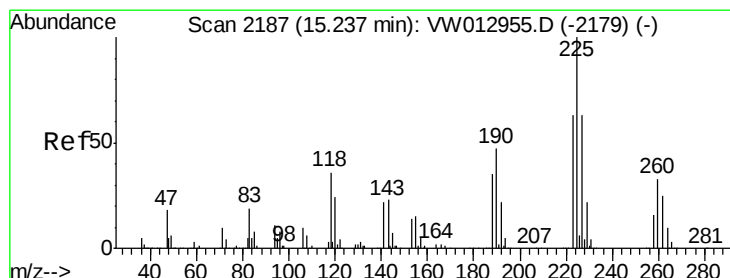
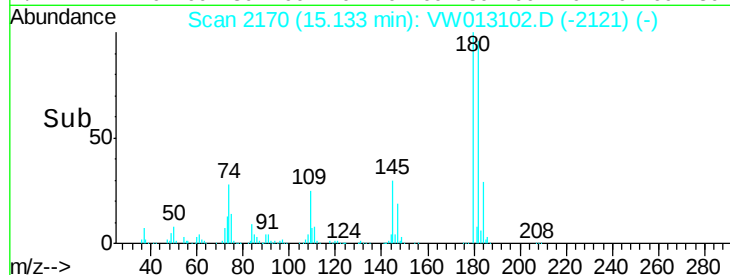
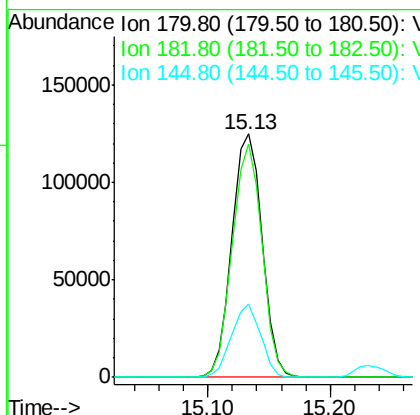
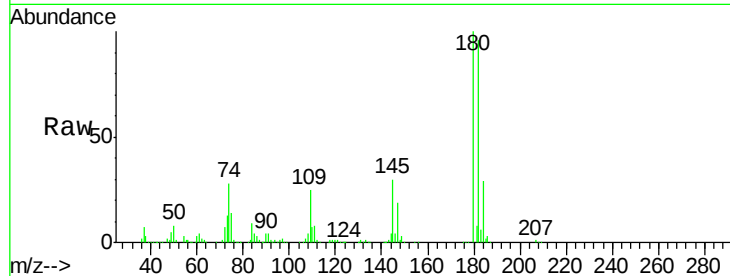
#93
 1,2,4-Trichlorobenzene
 Concen: 52.394 ug/l
 RT: 15.13 min Scan# 2170
 Delta R.T. -0.00 min
 Lab File: VW013102.D
 Acq: 17 Sep 2019 20:21

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
180	100	213175		
182	93.8	47.4	142.2	
145	28.9	14.9	44.7	

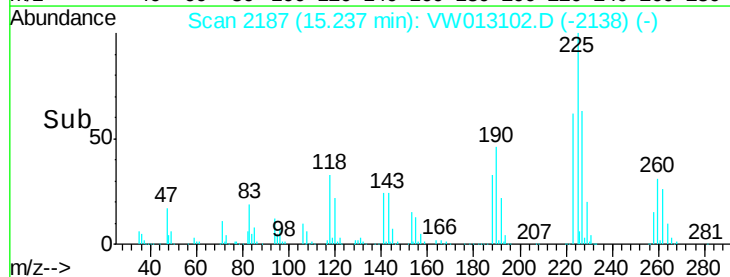
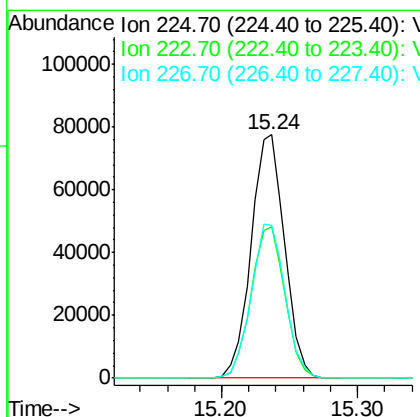
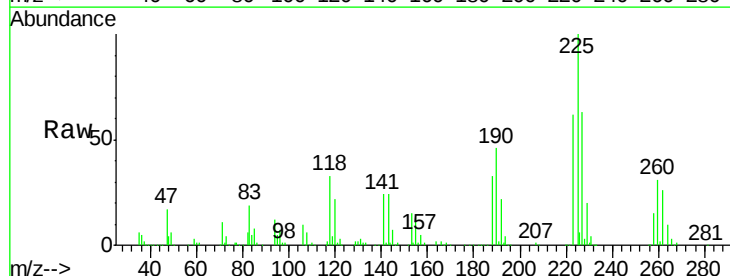
Manual Integrations
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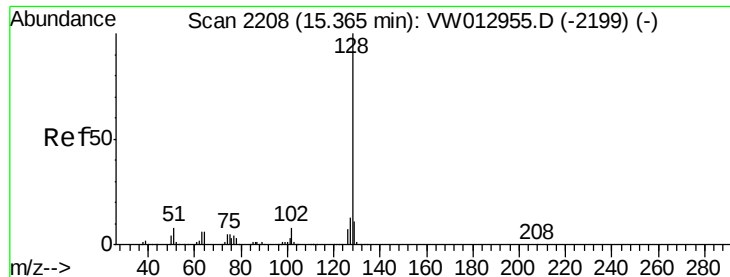
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#94
 Hexachlorobutadiene
 Concen: 46.400 ug/l
 RT: 15.24 min Scan# 2187
 Delta R.T. -0.00 min
 Lab File: VW013102.D
 Acq: 17 Sep 2019 20:21

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	133645		
223	62.5	31.8	95.3	
227	64.1	31.3	93.8	





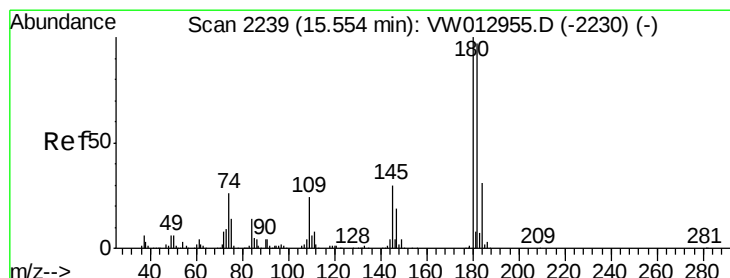
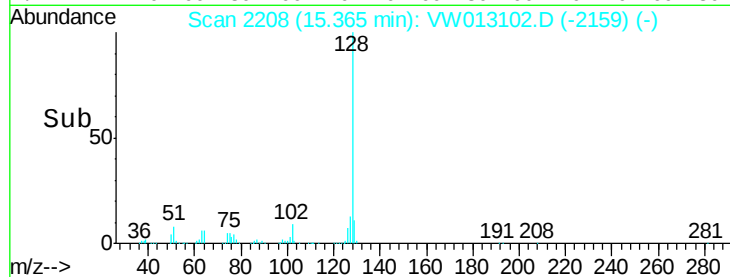
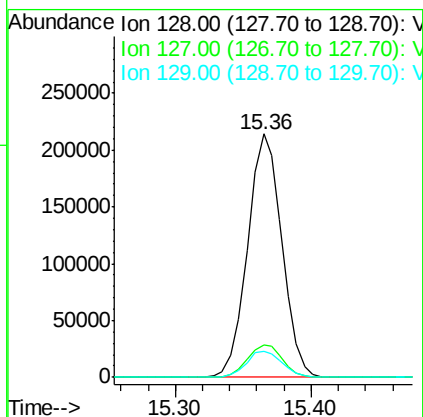
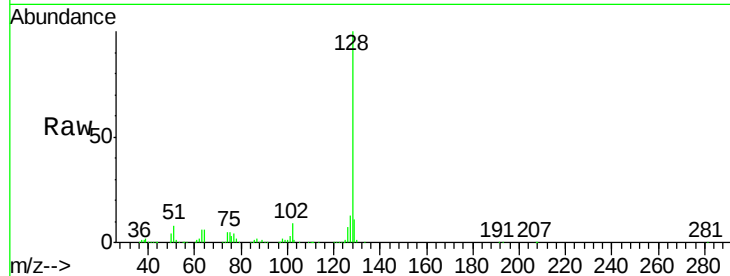
#95
Naphthalene
Concen: 55.511 ug/l
RT: 15.36 min Scan# 2208
Delta R.T. -0.00 min
Lab File: VW013102.D
Acq: 17 Sep 2019 20:21

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
128	100		
127	13.8	11.0	16.6
129	11.0	8.6	12.8

Manual Integrations
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#96
1,2,3-Trichlorobenzene
Concen: 51.070 ug/l
RT: 15.55 min Scan# 2239
Delta R.T. -0.00 min
Lab File: VW013102.D
Acq: 17 Sep 2019 20:21

Tgt Ion	Ratio	Lower	Upper
180	100		
182	96.6	47.6	142.8
145	30.6	15.4	46.2

