

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW091119\
 Data File : VW012916.D
 Acq On : 11 Sep 2019 14:43
 Operator : SY/VA
 Sample : VW0911SBSD01
 Misc : 5.00G/5ML/MSVOA W/SOIL
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0911SBSD01

Manual Integrations
 APPROVED

MMDadoda
 9/13/2019 1:32:23 AM

Quant Time: Sep 12 08:08:07 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W090719S.M
 Quant Title : SW846 8260
 QLast Update : Sun Sep 08 05:04:40 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	225076	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	329136	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	277268	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	137969	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.31	65	107999	42.94	ug/l	0.00
Spiked Amount	50.000		Recovery	=	85.88%	
35) Dibromofluoromethane	7.88	113	92925	47.49	ug/l	0.00
Spiked Amount	50.000		Recovery	=	94.98%	
50) Toluene-d8	10.32	98	383223	49.99	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.98%	
62) 4-Bromofluorobenzene	12.62	95	144219	51.82	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.64%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.01	85	23174	18.992	ug/l	95
3) Chloromethane	2.21	50	32367	21.827	ug/l	100
4) Vinyl Chloride	2.35	62	41660	22.913	ug/l	99
5) Bromomethane	2.75	94	24321	24.633	ug/l	92
6) Chloroethane	2.92	64	25034	23.073	ug/l	99
7) Trichlorofluoromethane	3.24	101	26871	21.416	ug/l	86
8) Diethyl Ether	3.67	74	18878	17.901	ug/l	94
9) 1,1,2-Trichlorotrifluoroet	4.06	101	42923	21.799	ug/l	97
10) Methyl Iodide	4.26	142	54464	21.973	ug/l	97
11) Tert butyl alcohol	5.15	59	18022	93.664	ug/l #	85
12) 1,1-Dichloroethene	4.04	96	40261	21.661	ug/l	93
13) Acrolein	3.89	56	11449	56.072	ug/l	97
14) Allyl chloride	4.66	41	72771	18.926	ug/l	98
15) Acrylonitrile	5.35	53	46837	76.042	ug/l	99
16) Acetone	4.12	43	49724	72.527	ug/l	98
17) Carbon Disulfide	4.38	76	80907	20.507	ug/l	98
18) Methyl Acetate	4.67	43	23769	14.777	ug/l	97
19) Methyl tert-butyl Ether	5.42	73	67796	18.392	ug/l	98
20) Methylene Chloride	4.92	84	49704	23.173	ug/l	88
21) trans-1,2-Dichloroethene	5.42	96	42159	22.229	ug/l	91
22) Diisopropyl ether	6.31	45	144968	19.009	ug/l	97
23) Vinyl Acetate	6.25	43	404440	83.683	ug/l	96
24) 1,1-Dichloroethane	6.21	63	85223	20.755	ug/l	99
25) 2-Butanone	7.17	43	69104	82.746	ug/l	100
26) 2,2-Dichloropropane	7.16	77	56919	21.947	ug/l	97
27) cis-1,2-Dichloroethene	7.16	96	45950	20.895	ug/l	98
28) Bromochloromethane	7.51	49	30538	16.197	ug/l #	88
29) Tetrahydrofuran	7.53	42	40583	73.301	ug/l	95
30) Chloroform	7.67	83	82890	20.369	ug/l	99
31) Cyclohexane	7.95	56	79003	21.371	ug/l	90
32) 1,1,1-Trichloroethane	7.87	97	70984	21.519	ug/l	99
36) 1,1-Dichloropropene	8.08	75	66392	22.702	ug/l	97
37) Ethyl Acetate	7.25	43	29263	15.697	ug/l	96
38) Carbon Tetrachloride	8.07	117	64294	22.303	ug/l	94

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 Quant Title : SW846 8260
 QLast Update : Sun Sep 08 05:04:40 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.34	83	76997	23.442	ug/l	95
40) Benzene	8.32	78	178450	21.993	ug/l	99
41) Methacrylonitrile	7.48	41	18866	17.583	ug/l	90
42) 1,2-Dichloroethane	8.40	62	55551	19.453	ug/l	98
43) Isopropyl Acetate	8.42	43	58027	16.429	ug/l	96
44) Trichloroethene	9.09	130	48817	23.340	ug/l	92
45) 1,2-Dichloropropane	9.37	63	45474	20.207	ug/l	99
46) Dibromomethane	9.46	93	19990	18.758	ug/l	97
47) Bromodichloromethane	9.65	83	57052	19.459	ug/l	98
48) Methyl methacrylate	9.43	41	27505	16.295	ug/l	97
49) 1,4-Dioxane	9.45	88	6616	314.300	ug/l #	86
51) 4-Methyl-2-Pentanone	10.21	43	148064	79.891	ug/l	98
52) Toluene	10.38	92	114015	22.514	ug/l	100
53) t-1,3-Dichloropropene	10.60	75	56711	18.811	ug/l	96
54) cis-1,3-Dichloropropene	10.07	75	67484	19.732	ug/l	96
55) 1,1,2-Trichloroethane	10.79	97	31380	19.669	ug/l	94
56) Ethyl methacrylate	10.65	69	41840	17.916	ug/l	98
57) 1,3-Dichloropropane	10.93	76	55724	18.880	ug/l	97
58) 2-Chloroethyl Vinyl ether	9.92	63	110392	89.039	ug/l	97
59) 2-Hexanone	10.97	43	103593	76.508	ug/l	97
60) Dibromochloromethane	11.13	129	34565	18.421	ug/l	100
61) 1,2-Dibromoethane	11.23	107	28800	19.690	ug/l	95
64) Tetrachloroethene	10.86	164	42071	25.007	ug/l	93
65) Chlorobenzene	11.66	112	119992	22.897	ug/l	97
66) 1,1,1,2-Tetrachloroethane	11.73	131	42078	21.561	ug/l	97
67) Ethyl Benzene	11.73	91	229496	23.341	ug/l	99
68) m/p-Xylenes	11.84	106	164847	46.448	ug/l	99
69) o-Xylene	12.16	106	78271	23.377	ug/l	95
70) Styrene	12.18	104	134422	22.720	ug/l	99
71) Bromoform	12.35	173	18866	17.400	ug/l #	97
73) Isopropylbenzene	12.46	105	228092	23.050	ug/l	100
74) N-amyl acetate	12.27	43	61451	19.564	ug/l #	93
75) 1,1,2,2-Tetrachloroethane	12.71	83	35435	17.831	ug/l	99
76) 1,2,3-Trichloropropane	12.77	75	23394m	16.582	ug/l	
77) Bromobenzene	12.74	156	49200	21.945	ug/l	90
78) n-propylbenzene	12.80	91	264983	22.390	ug/l	99
79) 2-Chlorotoluene	12.89	91	149301	21.975	ug/l	99
80) 1,3,5-Trimethylbenzene	12.94	105	190673	22.867	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.51	75	10877	16.307	ug/l	98
82) 4-Chlorotoluene	12.99	91	158697	22.082	ug/l	100
83) tert-Butylbenzene	13.21	119	172160	23.351	ug/l	97
84) 1,2,4-Trimethylbenzene	13.25	105	191586	22.802	ug/l	98
85) sec-Butylbenzene	13.38	105	233670	22.840	ug/l	97
86) p-Isopropyltoluene	13.50	119	217785	23.305	ug/l	100
87) 1,3-Dichlorobenzene	13.50	146	95260	21.618	ug/l	98
88) 1,4-Dichlorobenzene	13.58	146	93144	21.242	ug/l	96
89) n-Butylbenzene	13.82	91	202486	22.319	ug/l	99
90) Hexachloroethane	14.09	117	34105	20.905	ug/l	96
91) 1,2-Dichlorobenzene	13.87	146	83958	21.168	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.48	75	6181	16.995	ug/l	98

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Quant Title : SW846 8260
QLast Update : Sun Sep 08 05:04:40 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.13	180	58343	21.128	ug/l	98
94) Hexachlorobutadiene	15.24	225	44870	23.476	ug/l	100
95) Naphthalene	15.36	128	95397	19.456	ug/l	100
96) 1,2,3-Trichlorobenzene	15.55	180	50195	20.593	ug/l	98

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

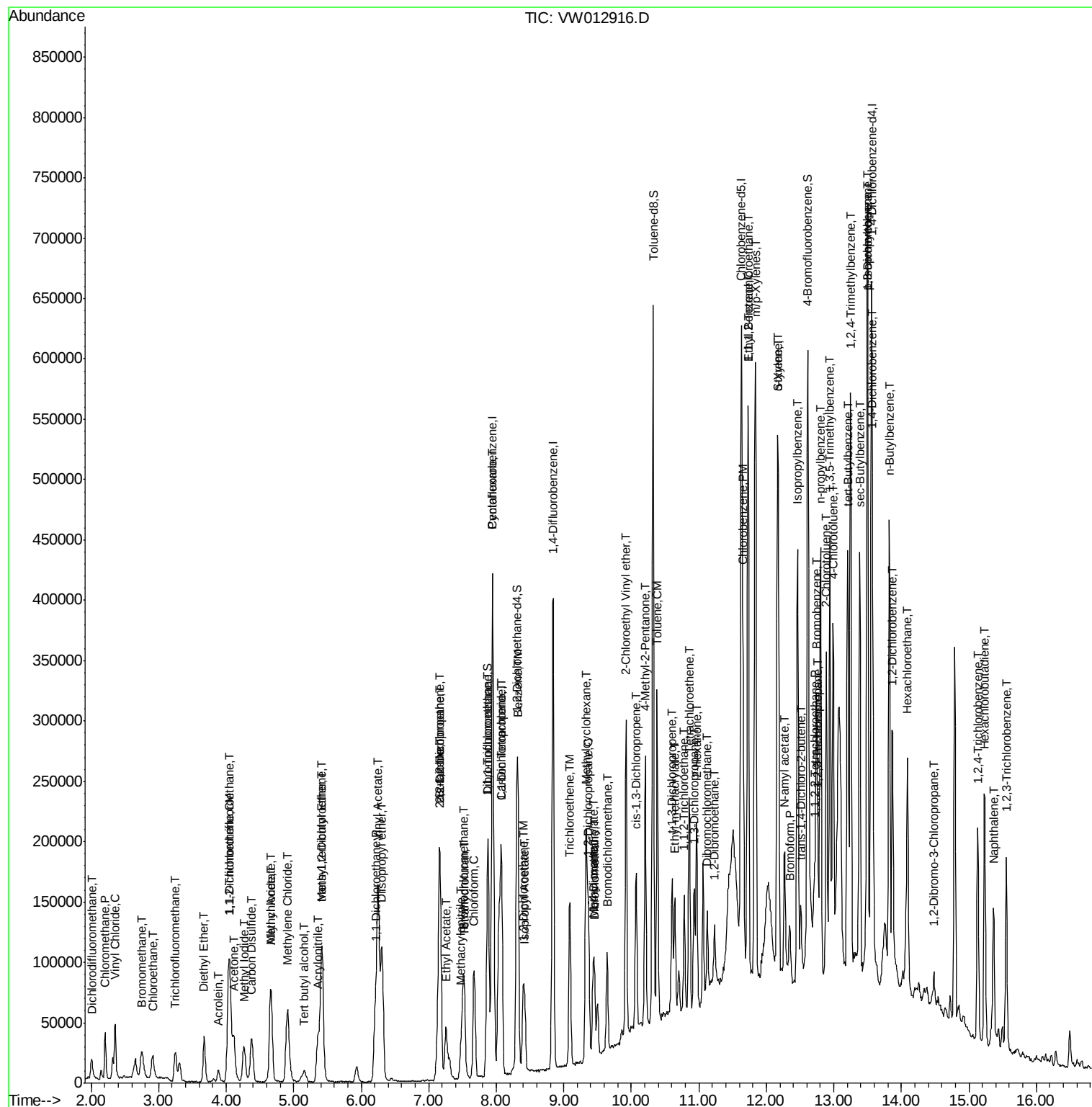
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 Data File : VW012916.D
 Acq On : 11 Sep 2019 14:43
 Operator : SY/VA
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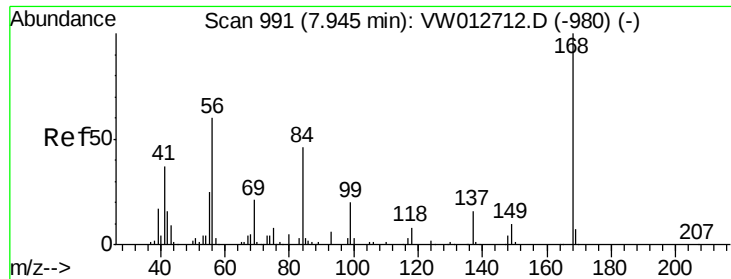
Instrument :
 MSVOA_W
 ClientSampleId :
 VW0911SBSD01

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 Quant Title : SW846 8260
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.00 min

Lab File: VW012916.D

Acq: 11 Sep 2019 14:43

Instrument :

MSVOA_W

ClientSampleId :

VW0911SBSD01

Tot Ion:168 Resp: 225076

Ion Ratio Lower Upper

168 100

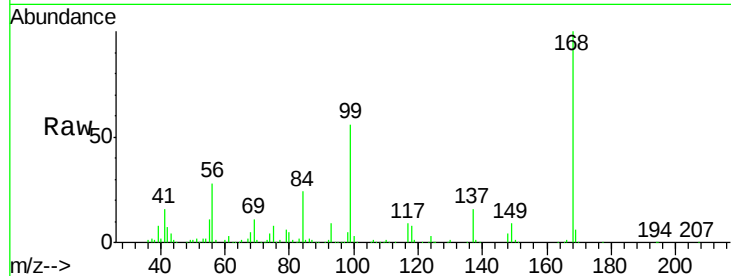
99 55.5 47.8 71.6

Manual Integrations

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9/13/2019 1:32:23 AM



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW

7.95

120000

100000

80000

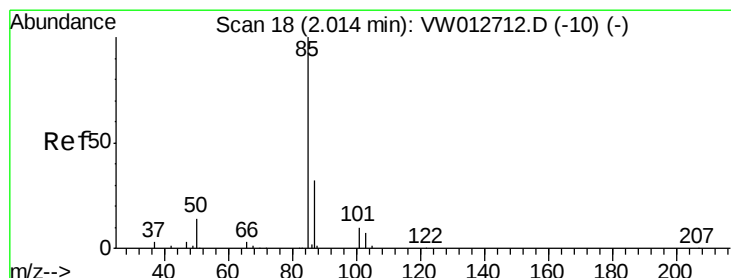
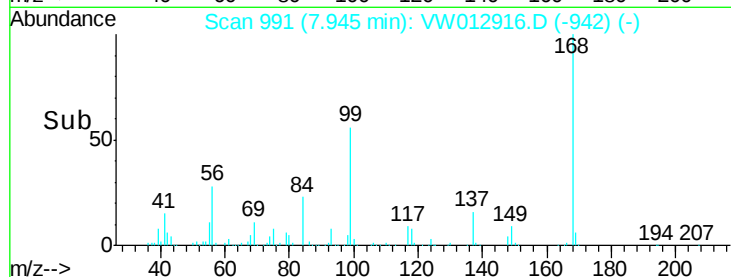
60000

40000

20000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 18.992 ug/l

RT: 2.01 min Scan# 17

Delta R.T. -0.01 min

Lab File: VW012916.D

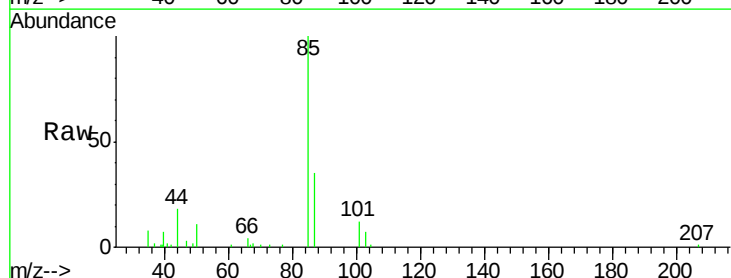
Acq: 11 Sep 2019 14:43

Tgt Ion: 85 Resp: 23174

Ion Ratio Lower Upper

85 100

87 34.6 15.8 47.4



Abundance Ion 84.90 (84.60 to 85.60): VW

Ion 86.90 (86.60 to 87.60): VW

2.01

10000

8000

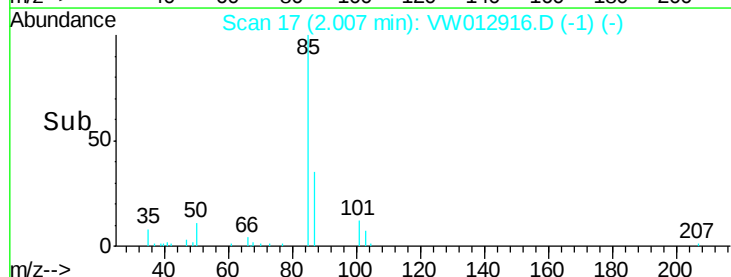
6000

4000

2000

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Time-->





#3

Chloromethane

Concen: 21.827 ug/l

RT: 2.21 min Scan# 50

Delta R.T. -0.01 min

Lab File: VW012916.D

Acq: 11 Sep 2019 14:43

Instrument :

MSVOA_W

ClientSampleId :

VW0911SBSD01

Tot Ion: 50 Resp: 32367

Ion Ratio Lower Upper

50 100

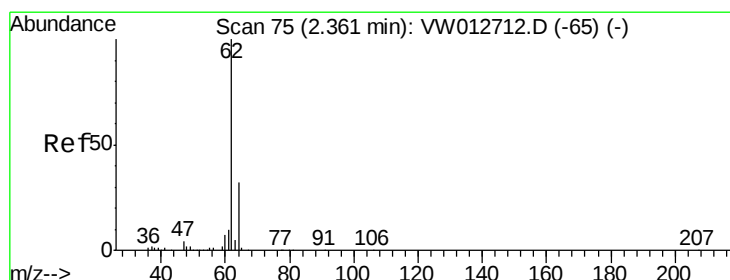
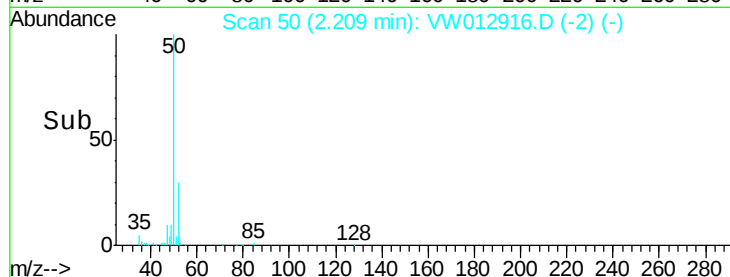
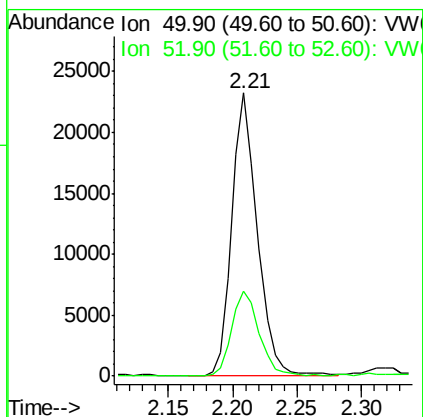
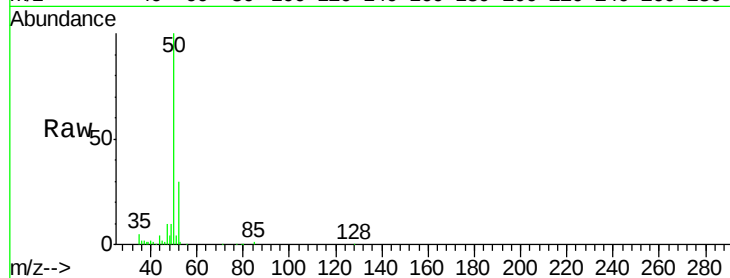
52 30.0 24.2 36.2

Manual Integrations

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#4

Vinyl Chloride

Concen: 22.913 ug/l

RT: 2.35 min Scan# 74

Delta R.T. -0.01 min

Lab File: VW012916.D

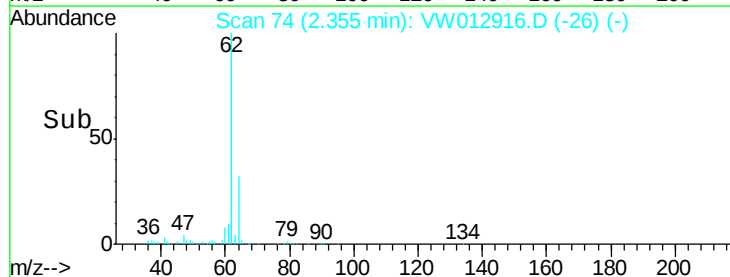
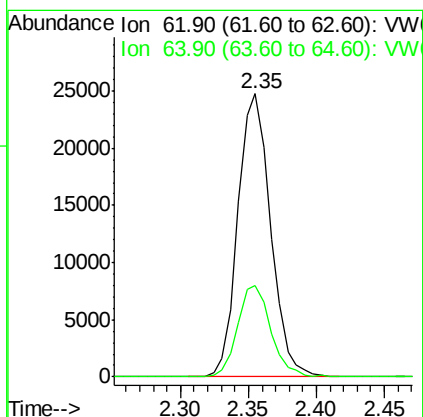
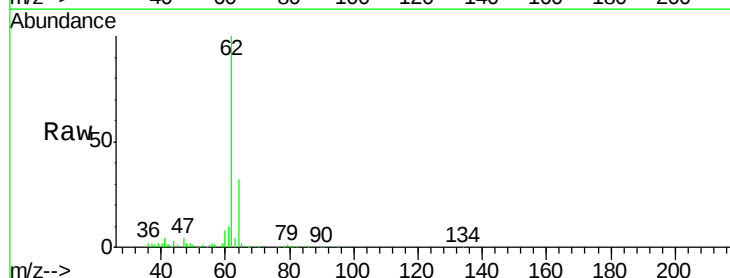
Acq: 11 Sep 2019 14:43

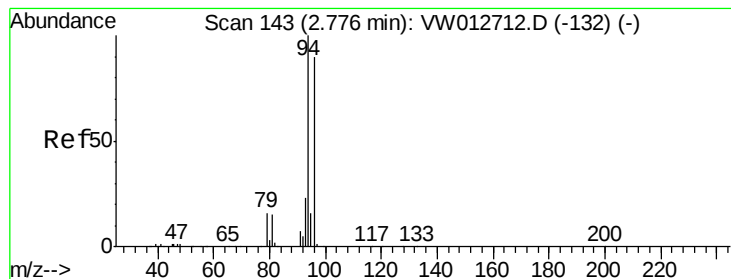
Tgt Ion: 62 Resp: 41660

Ion Ratio Lower Upper

62 100

64 32.3 25.3 37.9





#5

Bromomethane

Concen: 24.633 ug/l

RT: 2.75 min Scan# 138

Delta R.T. -0.03 min

Lab File: VW012916.D

Acq: 11 Sep 2019 14:43

Instrument :

MSVOA_W

ClientSampleId :

VW0911SBSD01

Tot Ion: 94 Resp: 24321

Ion Ratio Lower Upper

94 100

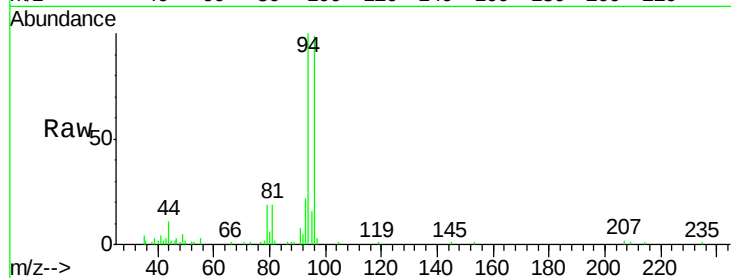
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Manual Integrations

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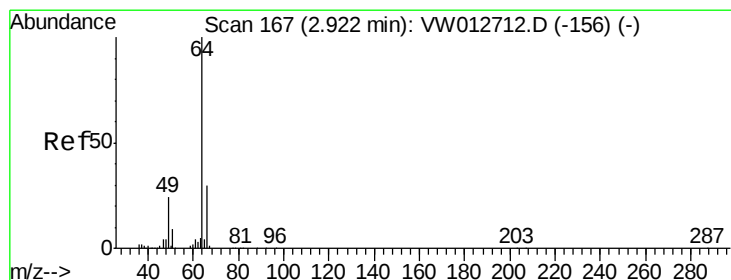
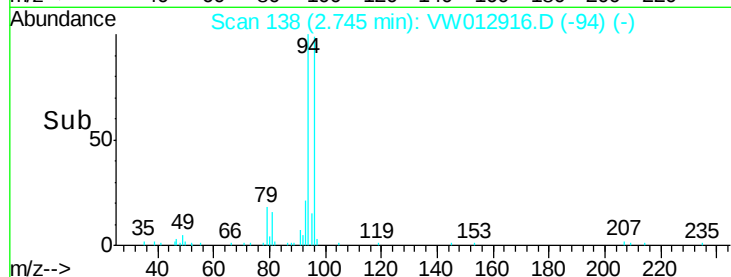
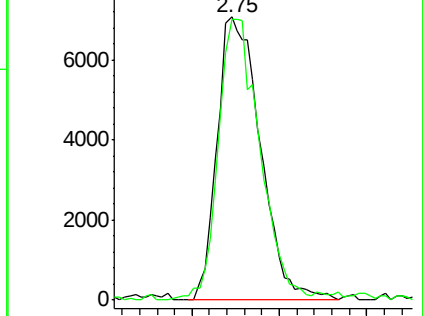
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Abundance Ion 93.90 (93.60 to 94.60): VW

Ion 95.90 (95.60 to 96.60): VW



#6

Chloroethane

Concen: 23.073 ug/l

RT: 2.92 min Scan# 166

Delta R.T. -0.01 min

Lab File: VW012916.D

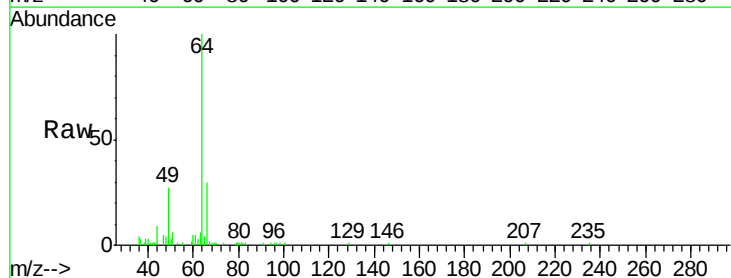
Acq: 11 Sep 2019 14:43

Tgt Ion: 64 Resp: 25034

Ion Ratio Lower Upper

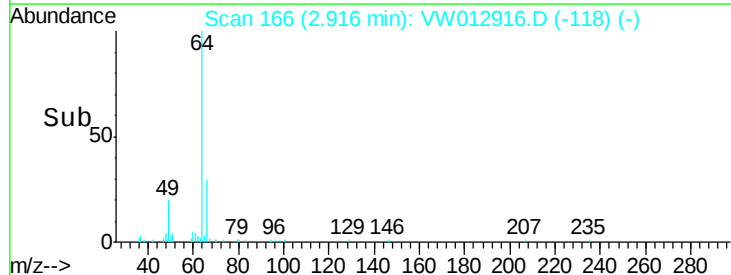
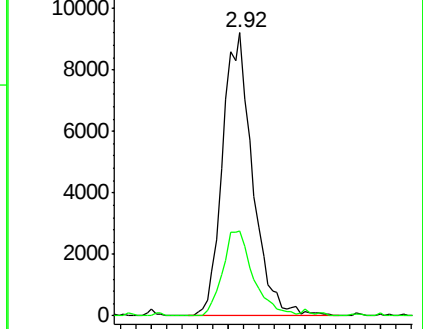
64 100

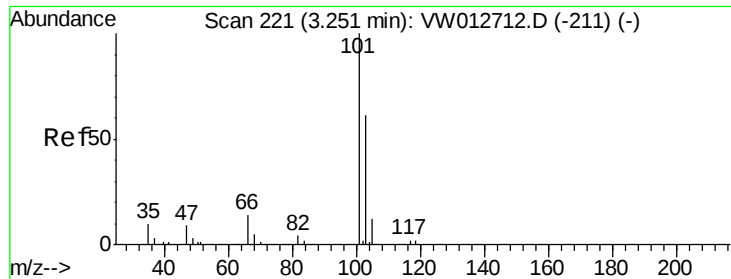
66 30.2 23.8 35.6



Abundance Ion 63.90 (63.60 to 64.60): VW

Ion 65.90 (65.60 to 66.60): VW





#7

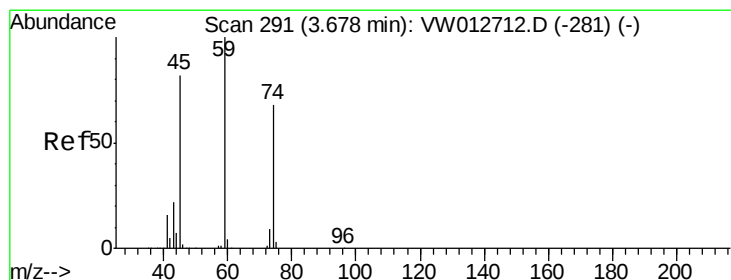
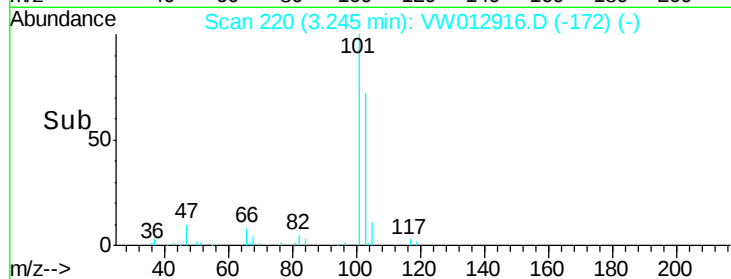
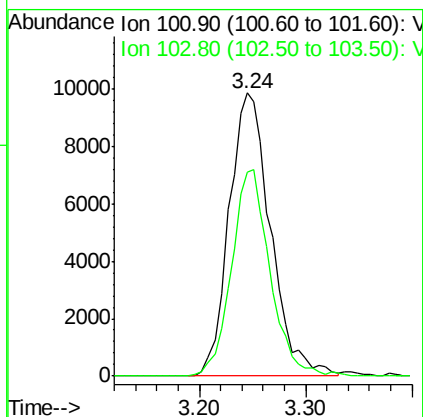
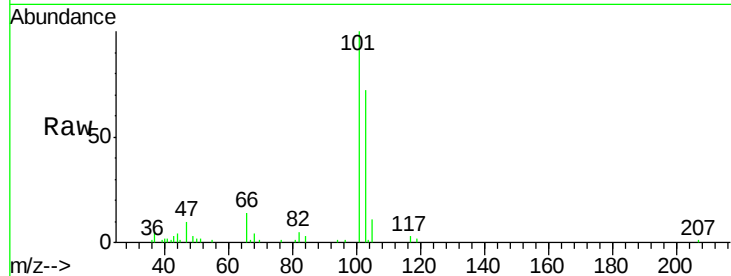
Trichlorofluoromethane
 Concen: 21.416 ug/l
 RT: 3.24 min Scan# 220
 Delta R.T. -0.01 min
 Lab File: VW012916.D
 Acq: 11 Sep 2019 14:43

Instrument :
 MSVOA_W
 ClientSampleId :
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Tot Ion:101 Resp: 26871
 Ion Ratio Lower Upper
 101 100
 103 71.9 49.0 73.4

Manual Integrations
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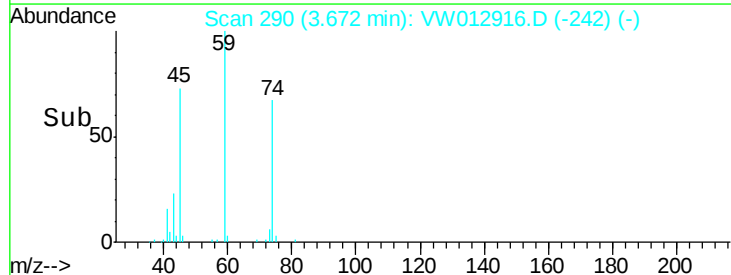
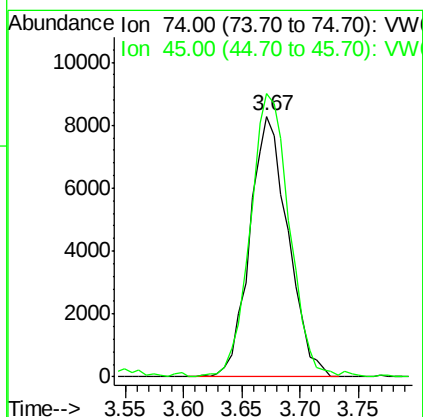
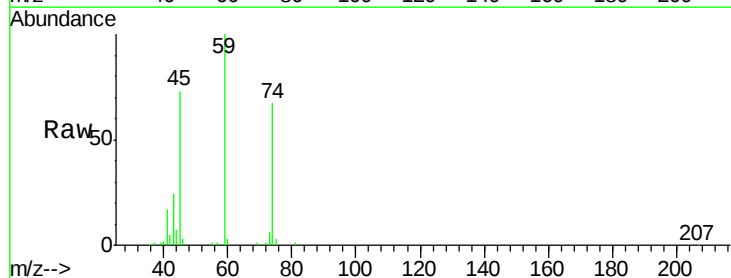
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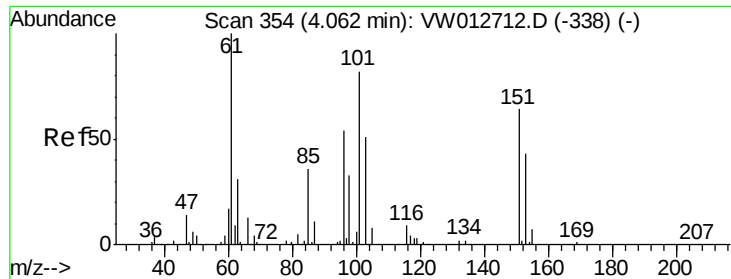


#8

Diethyl Ether
 Concen: 17.901 ug/l
 RT: 3.67 min Scan# 290
 Delta R.T. -0.01 min
 Lab File: VW012916.D
 Acq: 11 Sep 2019 14:43

Tgt Ion: 74 Resp: 18878
 Ion Ratio Lower Upper
 74 100
 45 110.8 58.8 176.4





#9

1,1,2-Trichlorotrifluoroethane

Concen: 21.799 ug/l

RT: 4.06 min Scan# 353

Delta R.T. -0.01 min

Lab File: VW012916.D

Acq: 11 Sep 2019 14:43

Instrument :

MSVOA_W

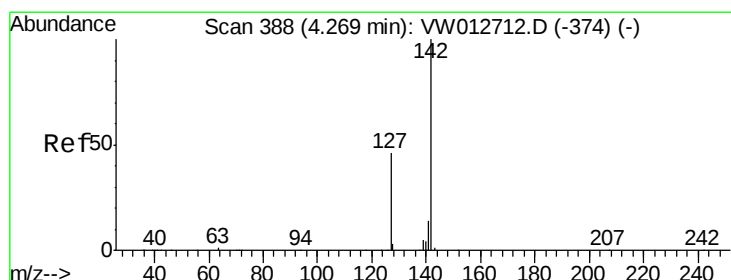
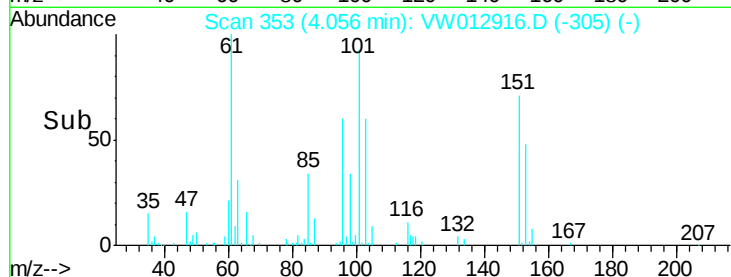
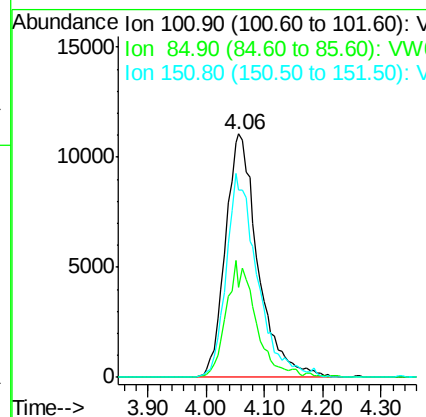
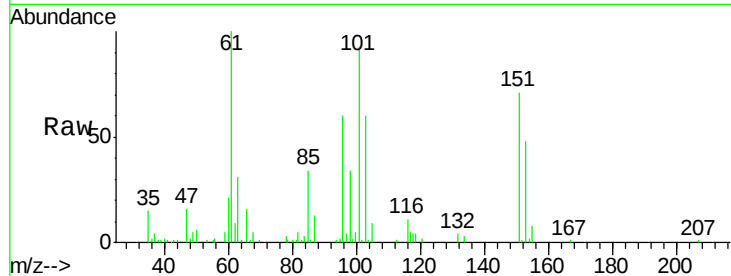
ClientSampleId :

VW0911SBSD01

Tot Ion:	101	Resp:	42923
Ion Ratio	Lower	Upper	
101	100		
85	43.1	36.2	54.2
151	79.3	61.9	92.9

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#10

Methyl Iodide

Concen: 21.973 ug/l

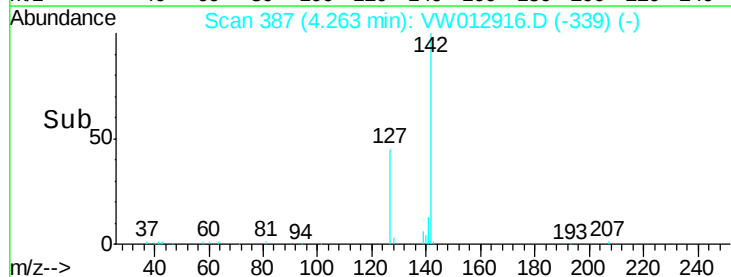
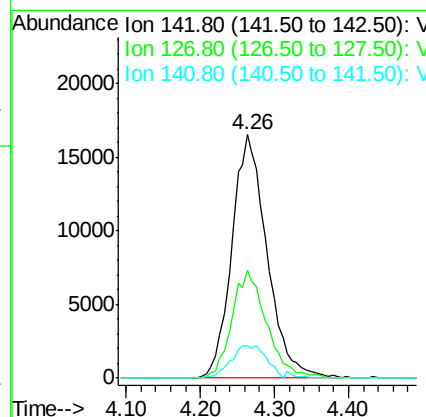
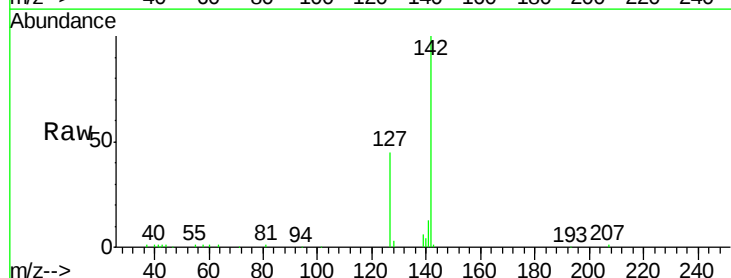
RT: 4.26 min Scan# 387

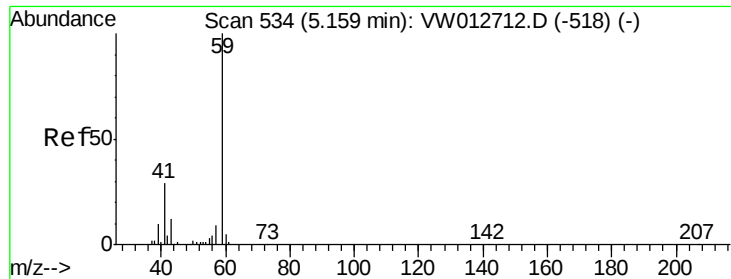
Delta R.T. -0.01 min

Lab File: VW012916.D

Acq: 11 Sep 2019 14:43

Tgt Ion:	142	Resp:	54464
Ion Ratio	Lower	Upper	
142	100		
127	43.7	36.0	54.0
141	13.6	12.2	18.4





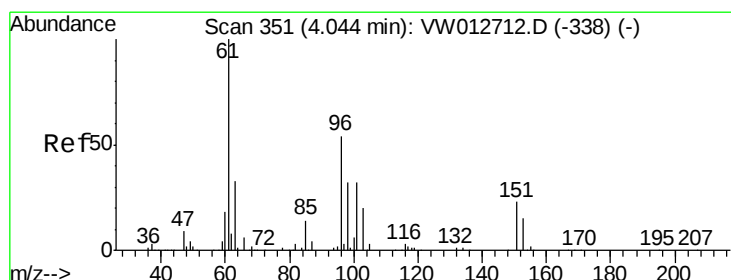
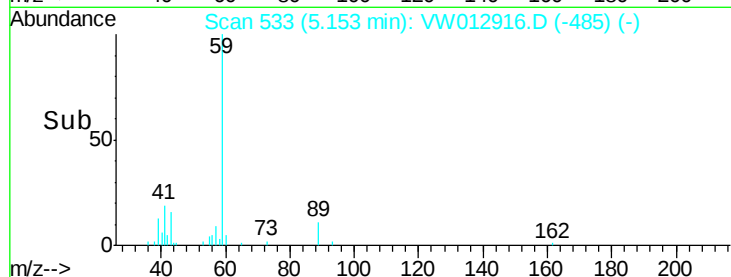
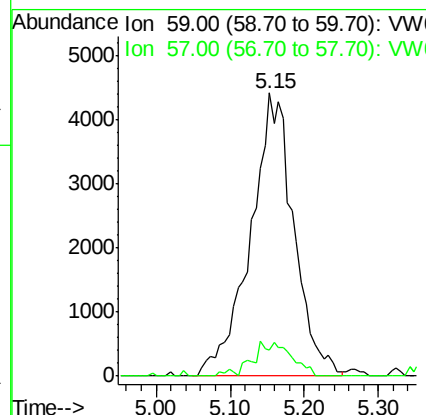
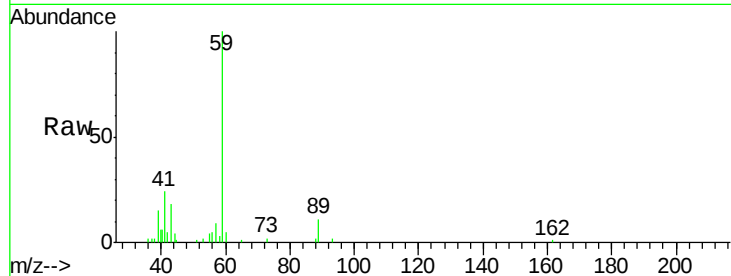
#11
Tert butyl alcohol
Concen: 93.664 ug/l
RT: 5.15 min Scan# 533
Delta R.T. -0.01 min
Lab File: VW012916.D
Acq: 11 Sep 2019 14:43

Instrument :
MSVOA_W
ClientSampleId :
VW0911SBSD01

Tot Ion	Ratio	Resp	Lower	Upper
59	100	18022		
57	4.6		8.2	12.4#

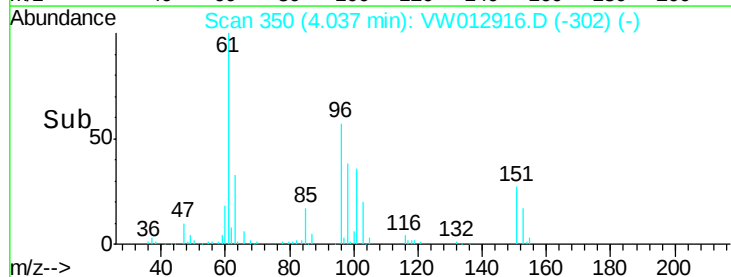
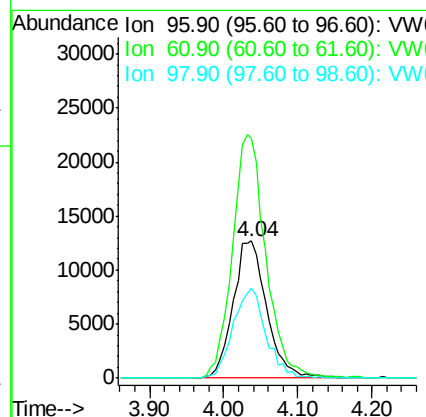
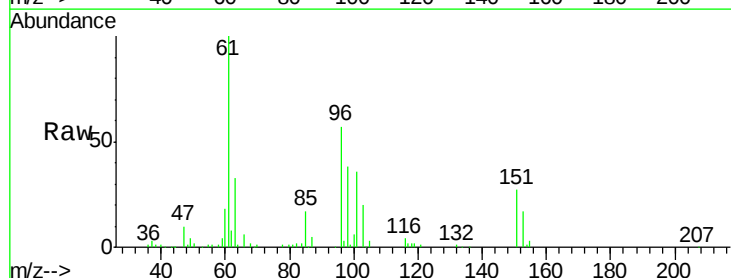
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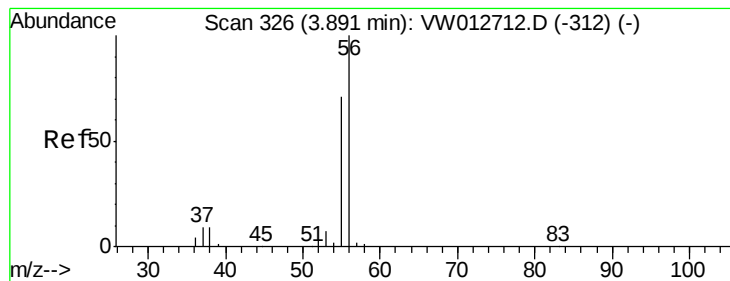
MMDadoda
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#12
1,1-Dichloroethene
Concen: 21.661 ug/l
RT: 4.04 min Scan# 350
Delta R.T. -0.01 min
Lab File: VW012916.D
Acq: 11 Sep 2019 14:43

Tgt Ion	Ratio	Resp	Lower	Upper
96	100	40261		
61	174.8		147.8	221.6
98	65.9		47.9	71.9





#13

Acrolein

Concen: 56.072 ug/l

RT: 3.89 min Scan# 325

Delta R.T. -0.01 min

Lab File: VW012916.D

Acq: 11 Sep 2019 14:43

Instrument :

MSVOA_W

ClientSampleId :

VW0911SBSD01

Tot Ion: 56 Resp: 11449

Ion Ratio Lower Upper

56 100

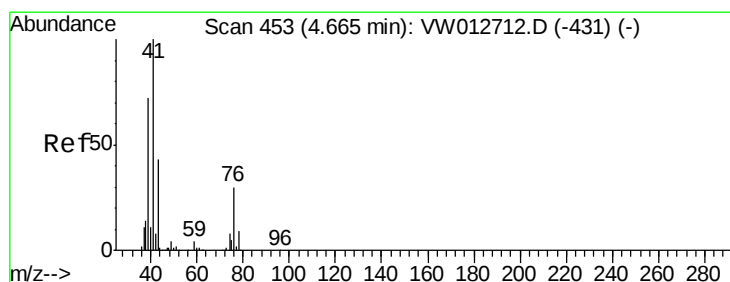
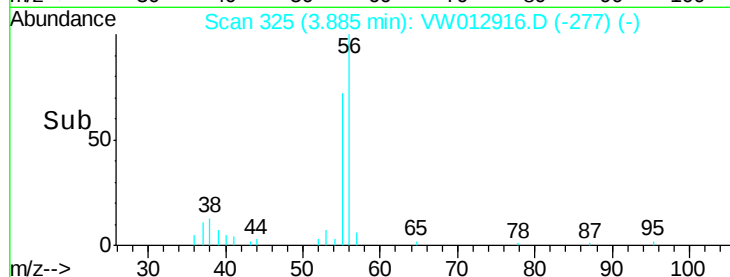
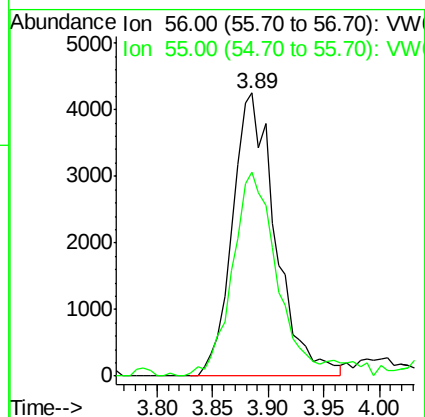
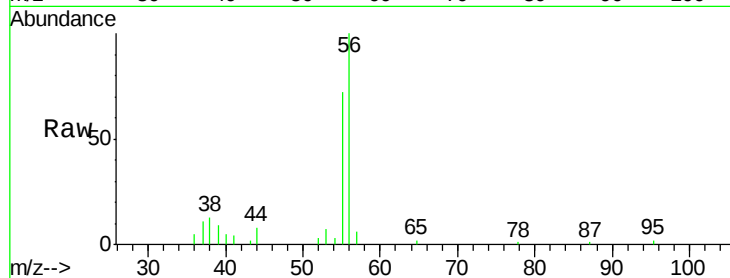
55 73.3 56.9 85.3

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#14

Allyl chloride

Concen: 18.926 ug/l

RT: 4.66 min Scan# 452

Delta R.T. -0.01 min

Lab File: VW012916.D

Acq: 11 Sep 2019 14:43

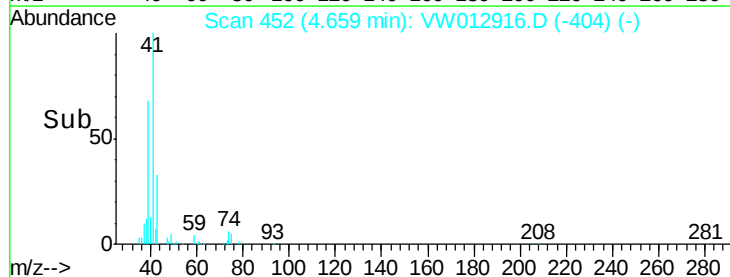
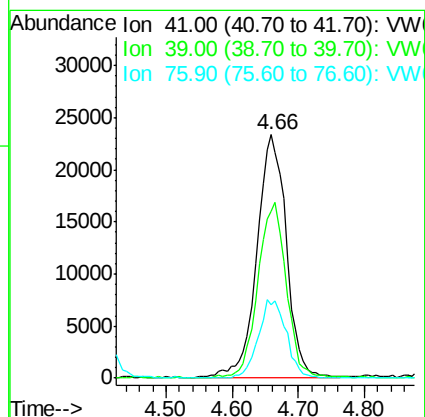
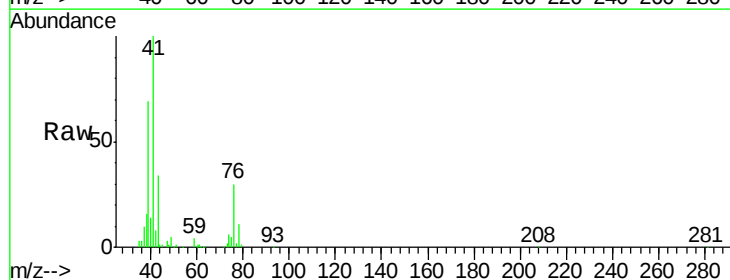
Tgt Ion: 41 Resp: 72771

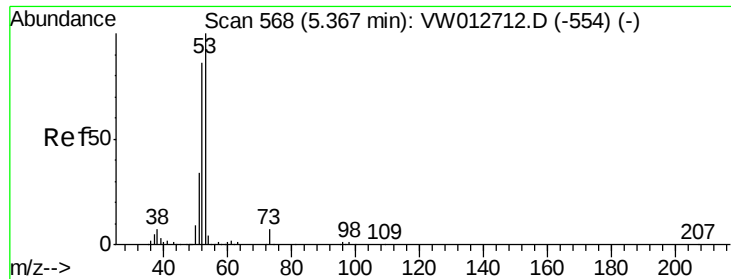
Ion Ratio Lower Upper

41 100

39 67.6 55.0 82.6

76 30.5 23.0 34.4





#15

Acrylonitrile

Concen: 76.042 ug/l

RT: 5.35 min Scan# 566

Delta R.T. -0.01 min

Lab File: VW012916.D

Acq: 11 Sep 2019 14:43

Instrument :

MSVOA_W

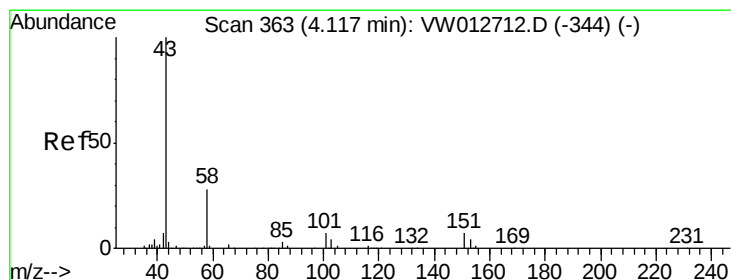
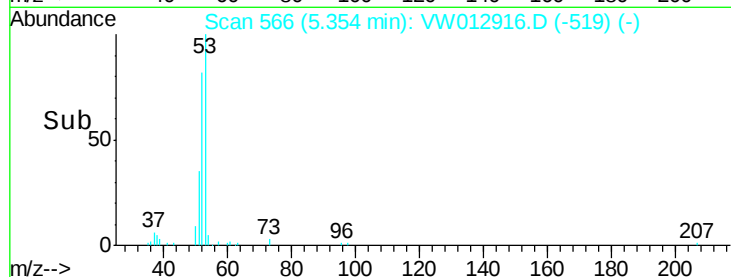
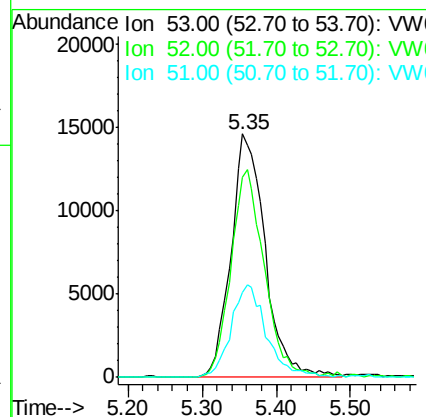
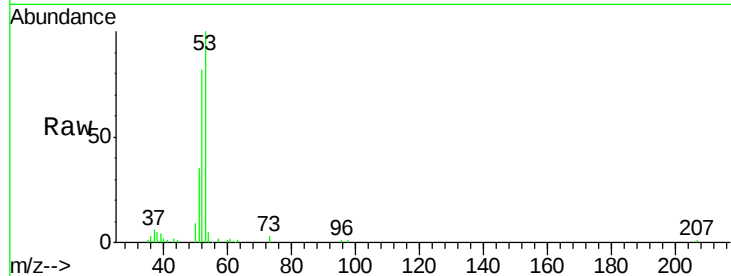
ClientSampleId :

VW0911SBSD01

Tot Ion:	53	Resp:	46837
Ion	Ratio	Lower	Upper
53	100		
52	83.5	67.0	100.4
51	39.3	29.8	44.8

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#16

Acetone

Concen: 72.527 ug/l

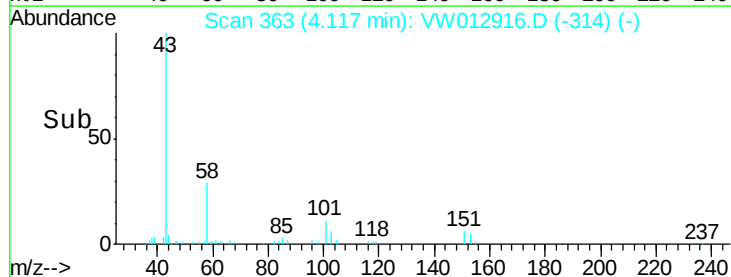
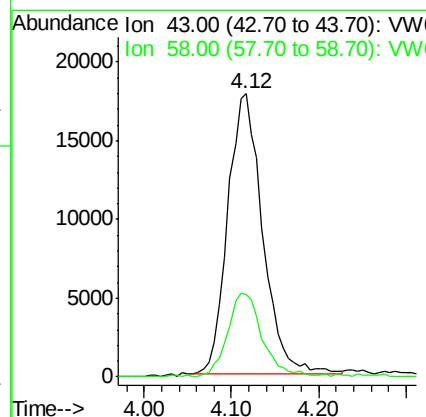
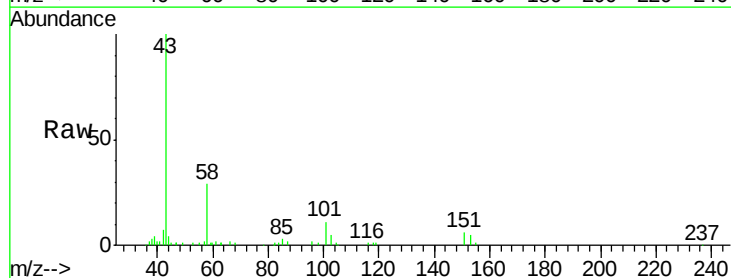
RT: 4.12 min Scan# 363

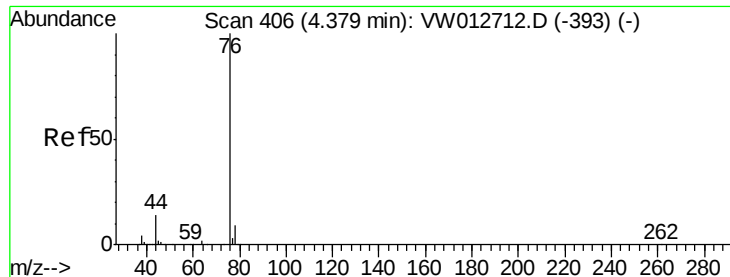
Delta R.T. -0.00 min

Lab File: VW012916.D

Acq: 11 Sep 2019 14:43

Tgt Ion:	43	Resp:	49724
Ion	Ratio	Lower	Upper
43	100		
58	29.3	22.6	33.8





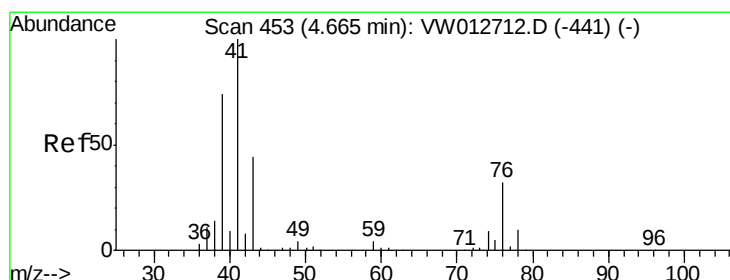
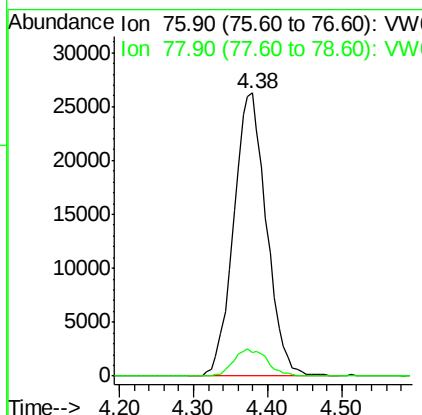
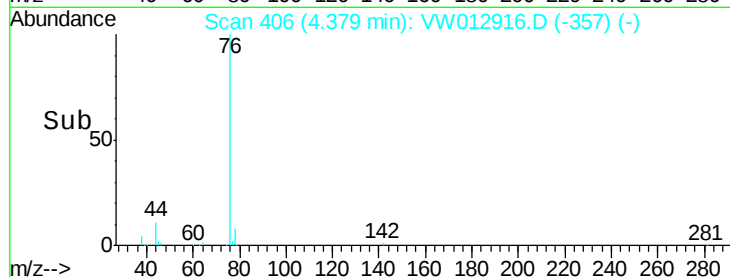
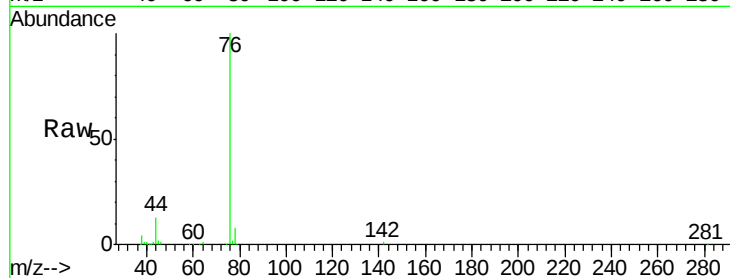
#17
Carbon Disulfide
Concen: 20.507 ug/l
RT: 4.38 min Scan# 406
Delta R.T. -0.00 min
Lab File: VW012916.D
Acq: 11 Sep 2019 14:43

Instrument :
MSVOA_W
ClientSampleId :
VW0911SBSD01

Tot Ion	Ratio	Lower	Upper
76	100		
78	8.5	7.2	10.8

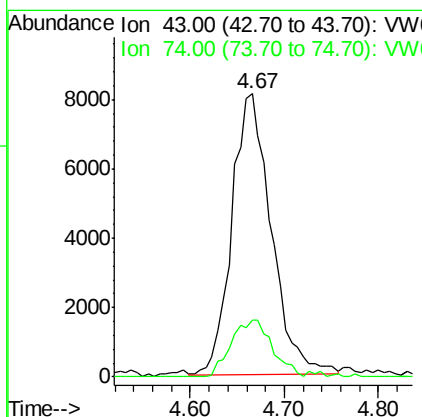
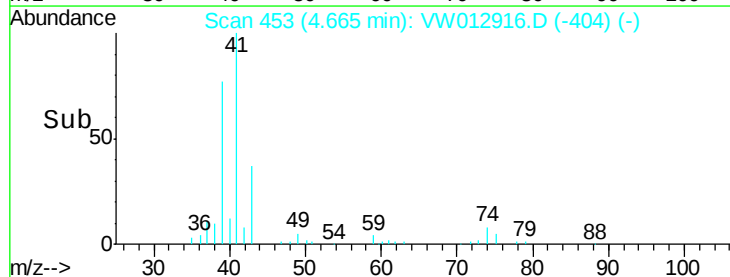
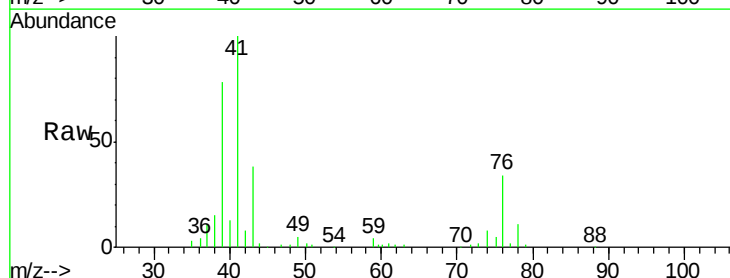
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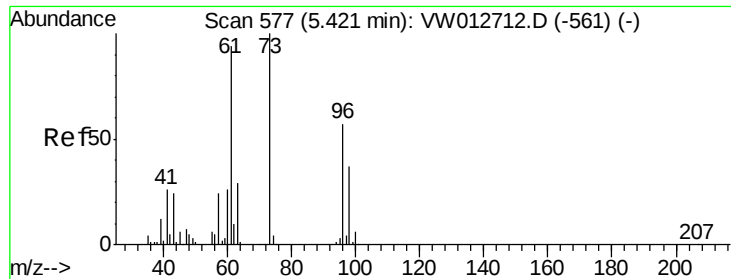
MMDadoda
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#18
Methyl Acetate
Concen: 14.777 ug/l
RT: 4.67 min Scan# 453
Delta R.T. -0.00 min
Lab File: VW012916.D
Acq: 11 Sep 2019 14:43

Tgt Ion	Ratio	Lower	Upper
43	100		
74	20.9	15.8	23.6





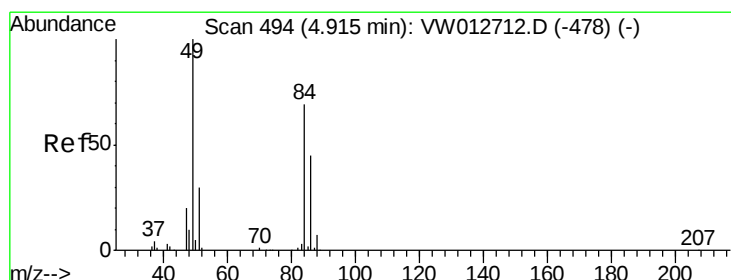
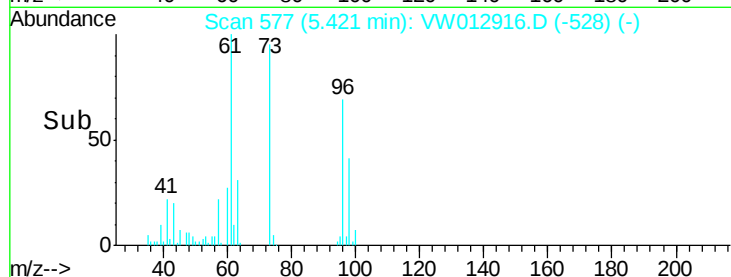
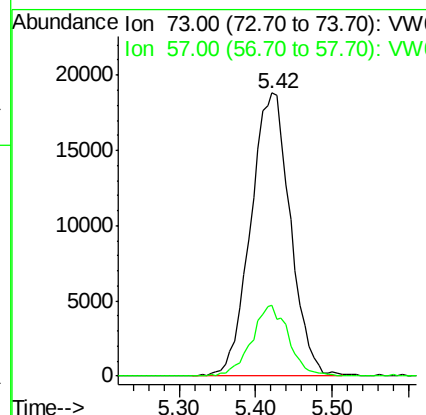
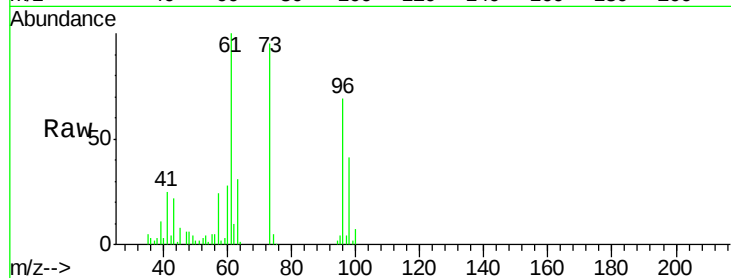
#19
Methyl tert-butyl Ether
Concen: 18.392 ug/l
RT: 5.42 min Scan# 577
Delta R.T. -0.00 min
Lab File: VW012916.D
Acq: 11 Sep 2019 14:43

Instrument :
MSVOA_W
ClientSampleId :
VW0911SBSD01

Tot Ion	Ratio	Lower	Upper
73	100		
57	24.9	19.2	28.8

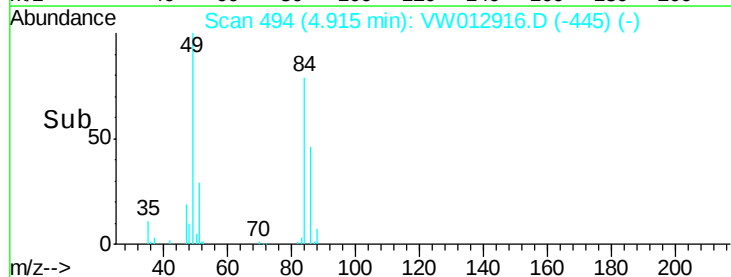
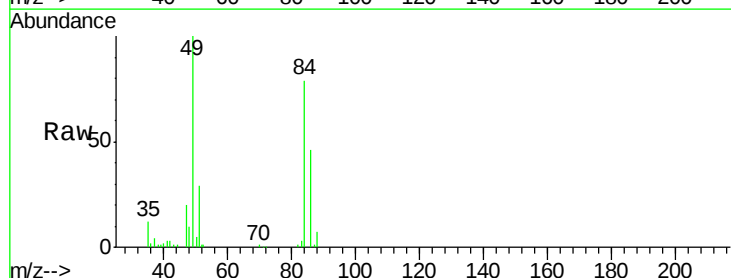
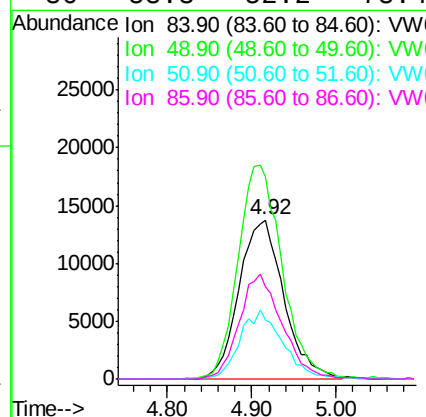
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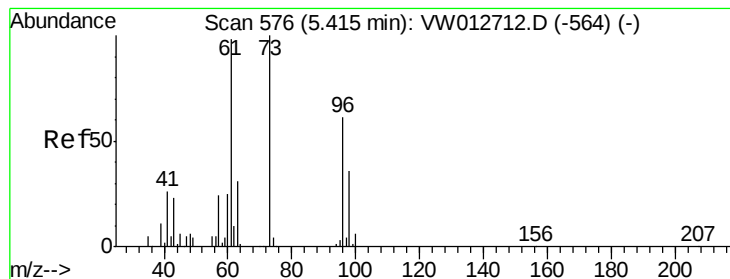
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#20
Methylene Chloride
Concen: 23.173 ug/l
RT: 4.92 min Scan# 494
Delta R.T. -0.00 min
Lab File: VW012916.D
Acq: 11 Sep 2019 14:43

Tgt Ion	Ratio	Lower	Upper
84	100		
49	127.3	115.4	173.0
51	36.3	34.9	52.3
86	58.3	52.2	78.4





#21

trans-1,2-Dichloroethene

Concen: 22.229 ug/l

RT: 5.42 min Scan# 576

Delta R.T. -0.00 min

Lab File: VW012916.D

Acq: 11 Sep 2019 14:43

Instrument :

MSVOA_W

ClientSampleId :

VW0911SBSD01

Tot Ion: 96 Resp: 42159

Ion Ratio Lower Upper

96 100

61 147.3 129.2 193.8

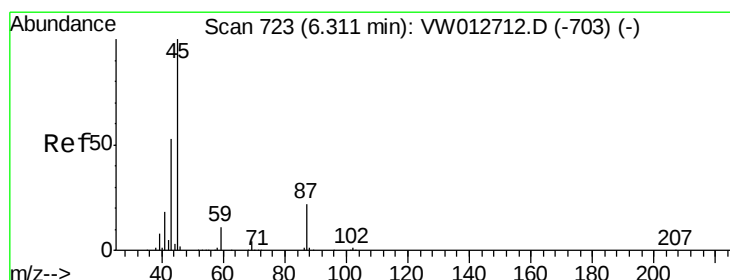
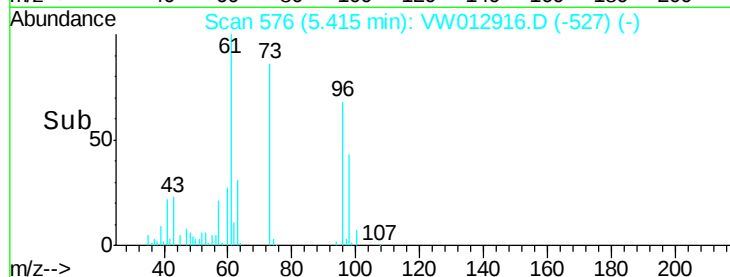
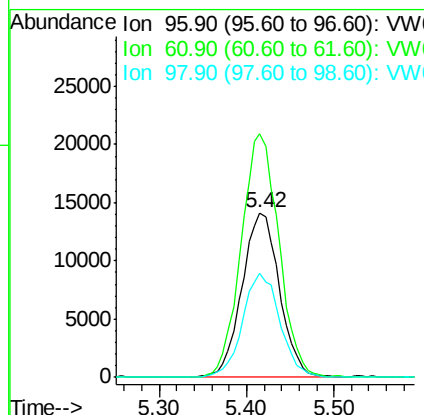
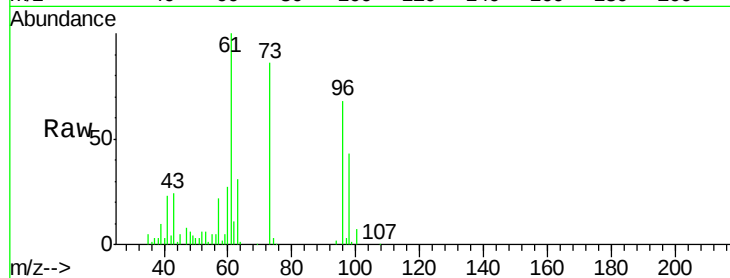
98 63.3 48.0 72.0

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#22

Diisopropyl ether

Concen: 19.009 ug/l

RT: 6.31 min Scan# 722

Delta R.T. -0.01 min

Lab File: VW012916.D

Acq: 11 Sep 2019 14:43

Tgt Ion: 45 Resp: 144968

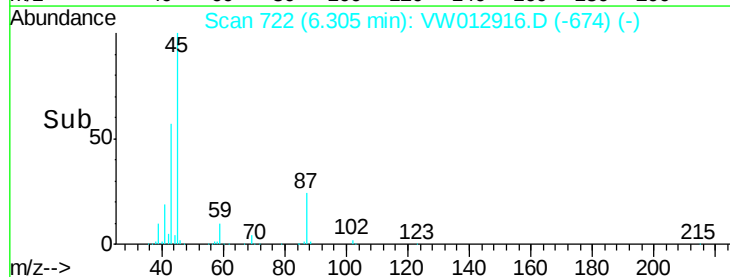
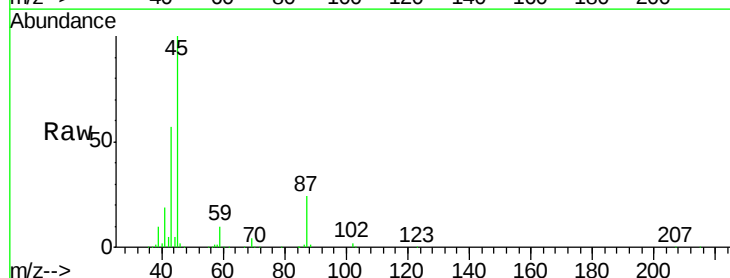
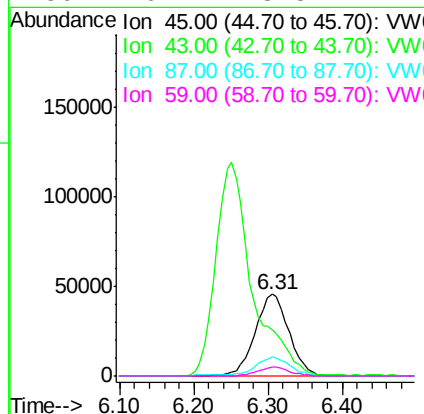
Ion Ratio Lower Upper

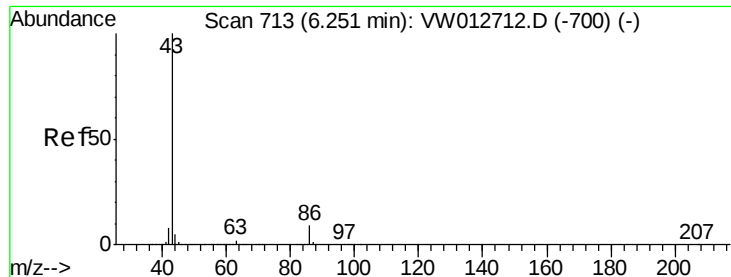
45 100

43 56.0 42.3 63.5

87 23.7 18.2 27.2

59 10.1 8.5 12.7





#23

Vinyl Acetate

Concen: 83.683 ug/l

RT: 6.25 min Scan# 713

Delta R.T. -0.00 min

Lab File: VW012916.D

Acq: 11 Sep 2019 14:43

Instrument :

MSVOA_W

ClientSampleId :

VW0911SBSD01

Tot Ion: 43 Resp: 404440

Ion Ratio Lower Upper

43 100

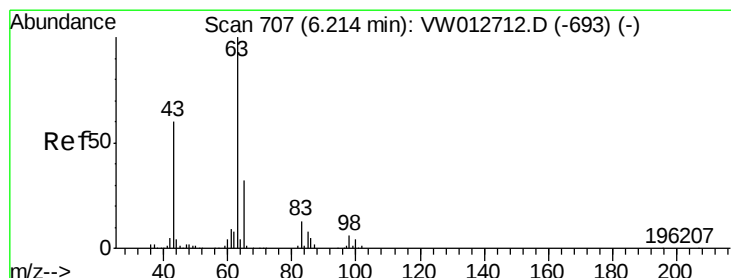
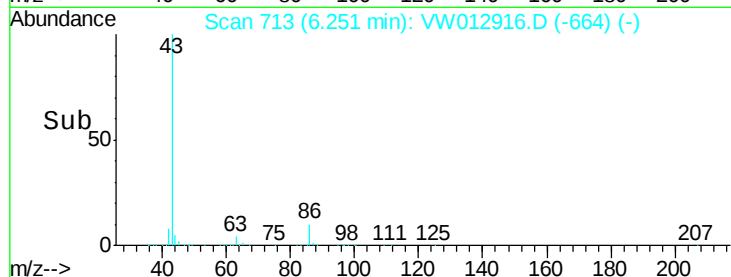
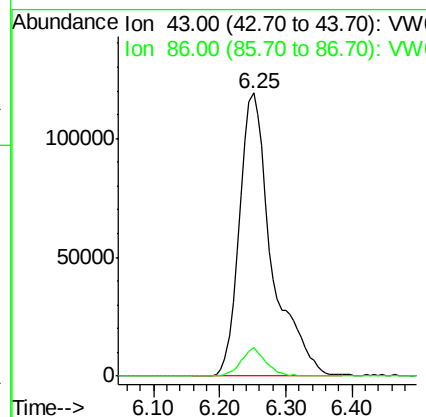
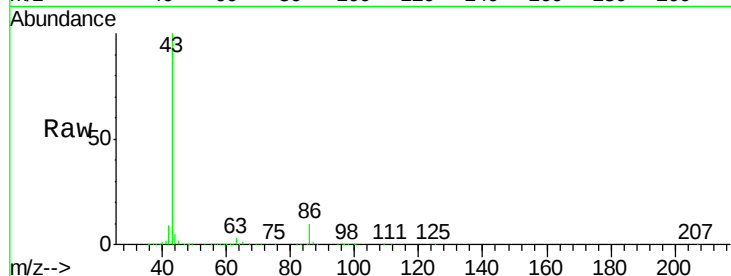
86 10.1 7.0 10.6

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#24

1,1-Dichloroethane

Concen: 20.755 ug/l

RT: 6.21 min Scan# 706

Delta R.T. -0.01 min

Lab File: VW012916.D

Acq: 11 Sep 2019 14:43

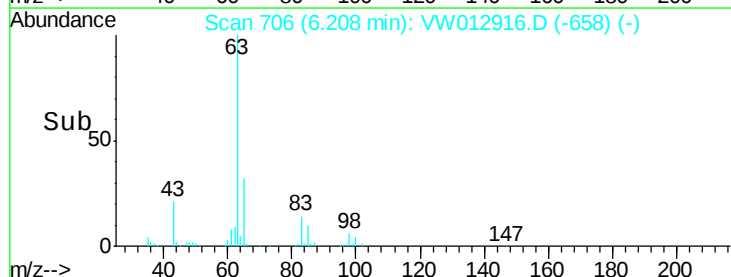
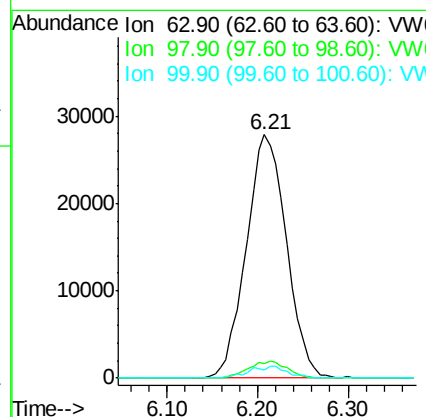
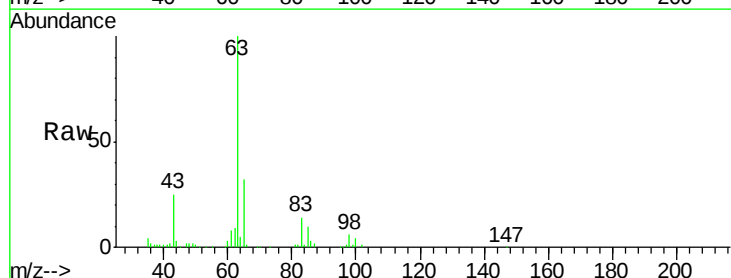
Tgt Ion: 63 Resp: 85223

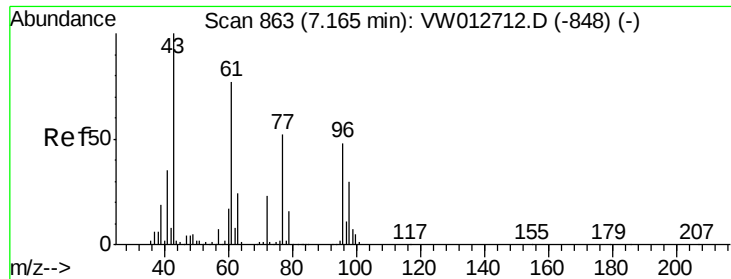
Ion Ratio Lower Upper

63 100

98 6.0 3.1 9.3

100 3.5 1.8 5.5





#25

2-Butanone

Concen: 82.746 ug/l

RT: 7.17 min Scan# 864

Delta R.T. 0.01 min

Lab File: VW012916.D

Acq: 11 Sep 2019 14:43

Instrument :

MSVOA_W

ClientSampleId :

VW0911SBSD01

Tot Ion: 43 Resp: 69104

Ion Ratio Lower Upper

43 100

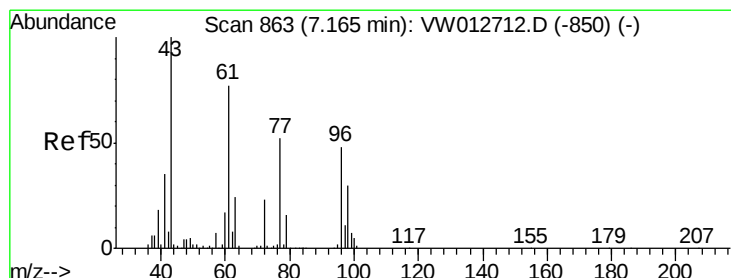
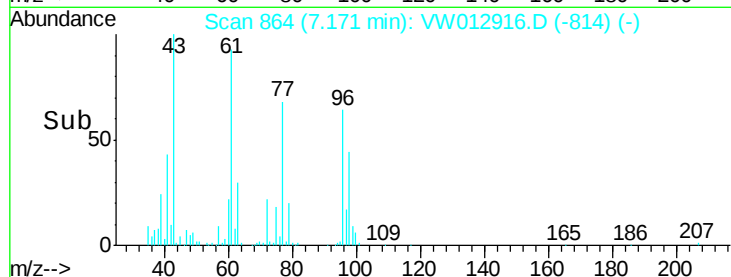
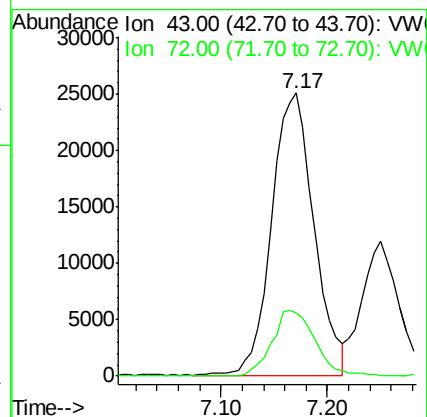
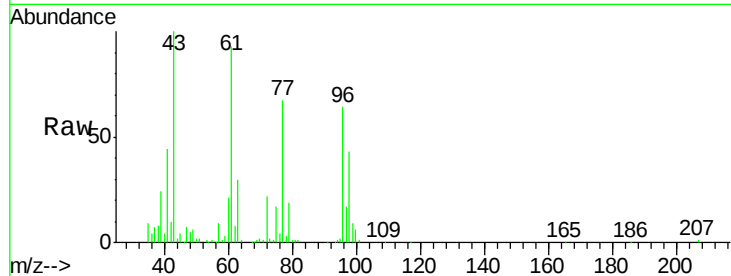
72 22.4 18.0 27.0

Manual Integrations

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#26

2,2-Dichloropropane

Concen: 21.947 ug/l

RT: 7.16 min Scan# 863

Delta R.T. -0.00 min

Lab File: VW012916.D

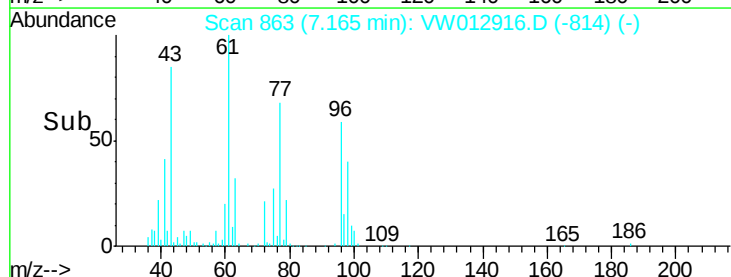
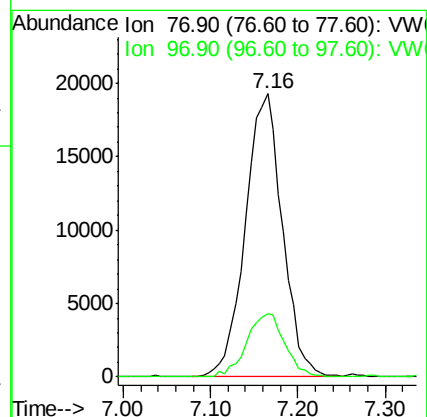
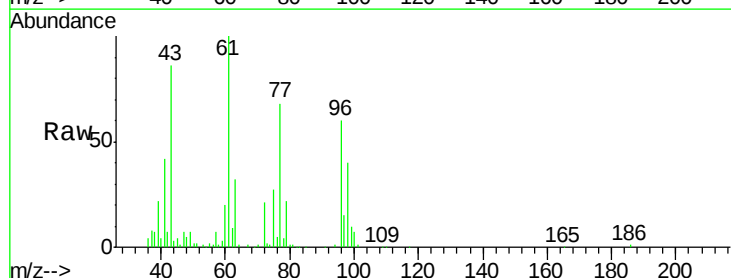
Acq: 11 Sep 2019 14:43

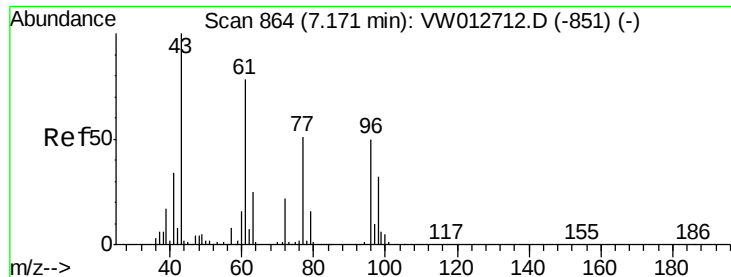
Tgt Ion: 77 Resp: 56919

Ion Ratio Lower Upper

77 100

97 22.8 10.7 32.1





#27

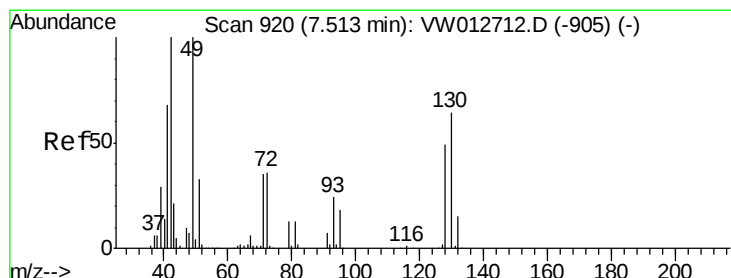
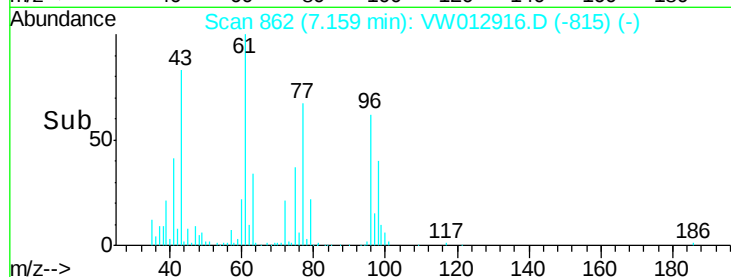
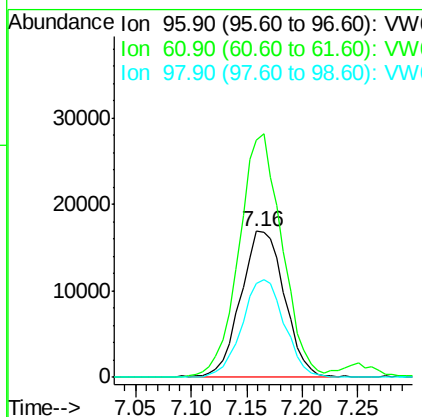
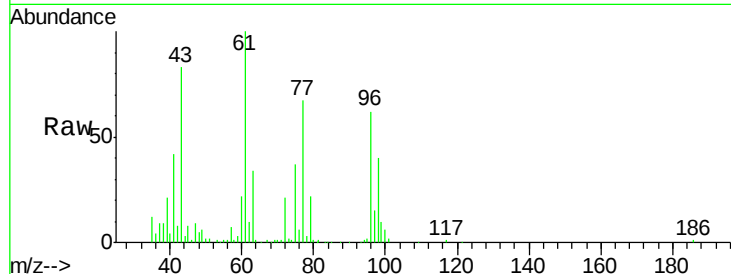
cis-1,2-Dichloroethene
Concen: 20.895 ug/l
RT: 7.16 min Scan# 862
Delta R.T. -0.01 min
Lab File: VW012916.D
Acq: 11 Sep 2019 14:43

Instrument :
MSVOA_W
ClientSampleId :
VW0911SBSD01

Tot Ion	Ratio	Lower	Upper
96	100		
61	165.3	0.0	325.8
98	65.6	0.0	127.0

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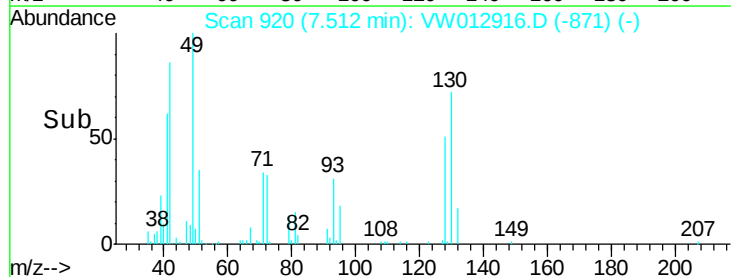
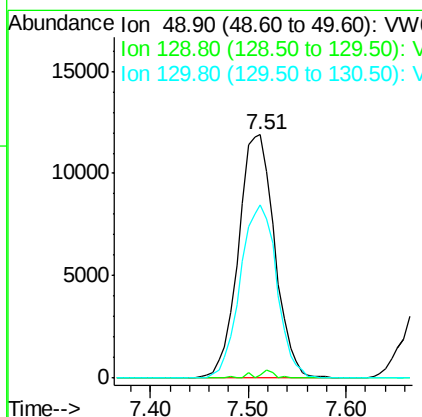
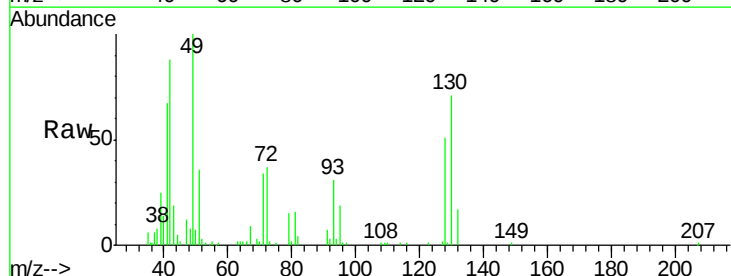
MMDadoda
9/13/2019 1:32:23 AM

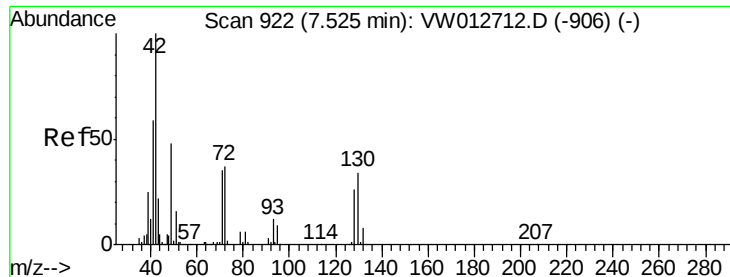


#28

Bromochloromethane
Concen: 16.197 ug/l
RT: 7.51 min Scan# 920
Delta R.T. -0.00 min
Lab File: VW012916.D
Acq: 11 Sep 2019 14:43

Tgt Ion	Ratio	Lower	Upper
49	100		
129	1.5	0.0	0.8#
130	71.7	49.8	74.8





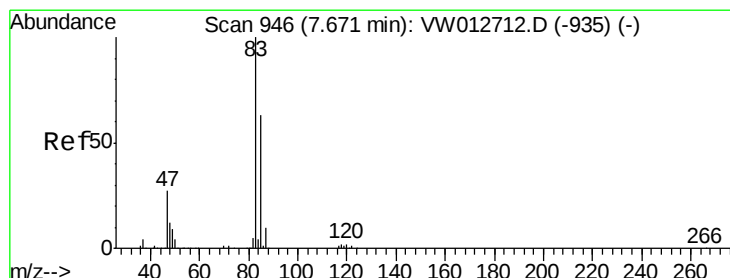
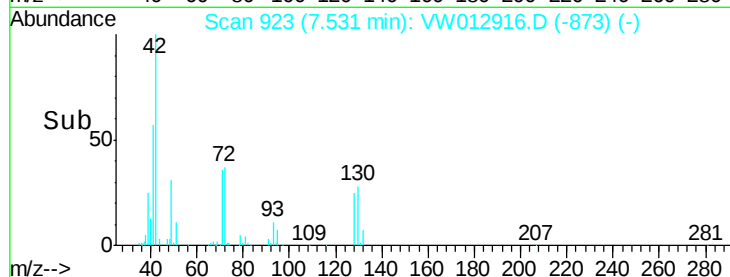
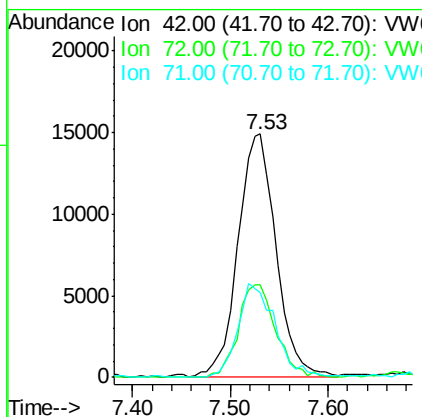
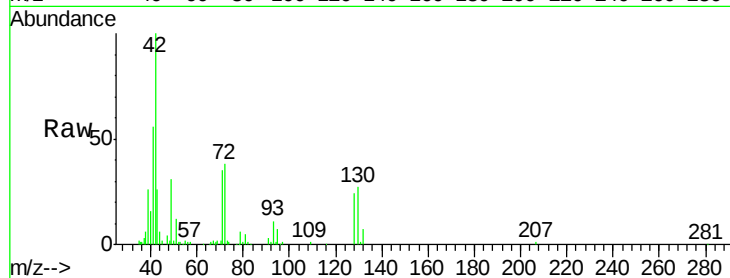
#29
Tetrahydrofuran
Concen: 73.301 ug/l
RT: 7.53 min Scan# 923
Delta R.T. 0.01 min
Lab File: VW012916.D
Acq: 11 Sep 2019 14:43

Instrument :
MSVOA_W
ClientSampleId :
VW0911SBS01

Tot Ion	Ratio	Lower	Upper
42	100		
72	37.4	28.4	42.6
71	37.5	27.1	40.7

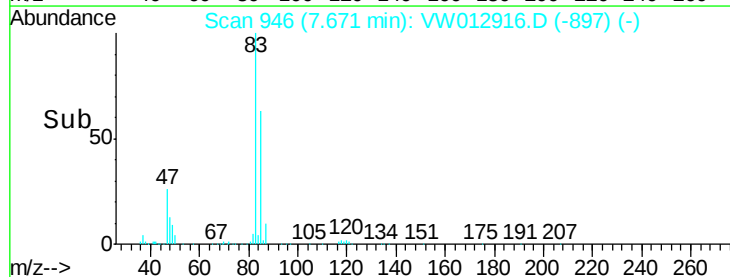
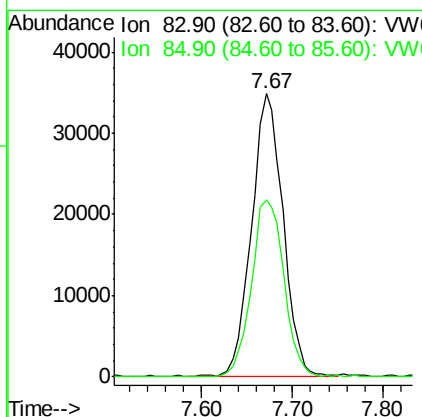
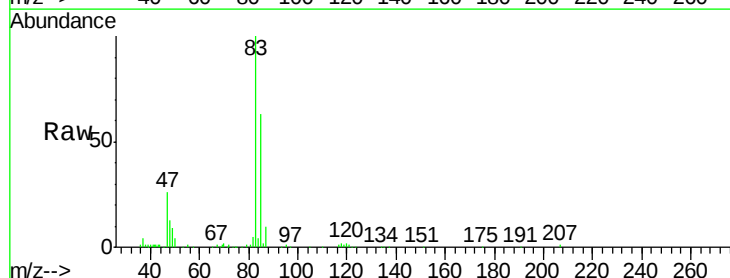
Manual Integrations
APPROVED

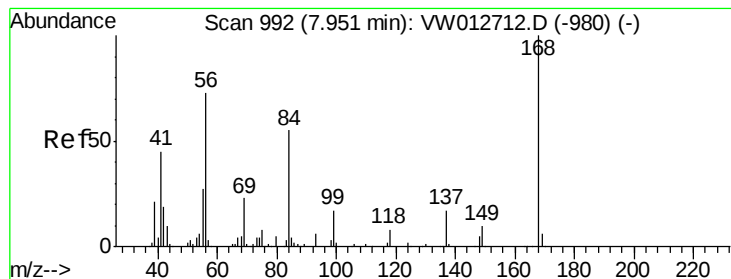
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#30
Chloroform
Concen: 20.369 ug/l
RT: 7.67 min Scan# 946
Delta R.T. -0.00 min
Lab File: VW012916.D
Acq: 11 Sep 2019 14:43

Tgt Ion	Ratio	Lower	Upper
83	100		
85	62.8	50.6	76.0





#31

Cyclohexane

Concen: 21.371 ug/l

RT: 7.95 min Scan# 992

Delta R.T. -0.00 min

Lab File: VW012916.D

Acq: 11 Sep 2019 14:43

Instrument :

MSVOA_W

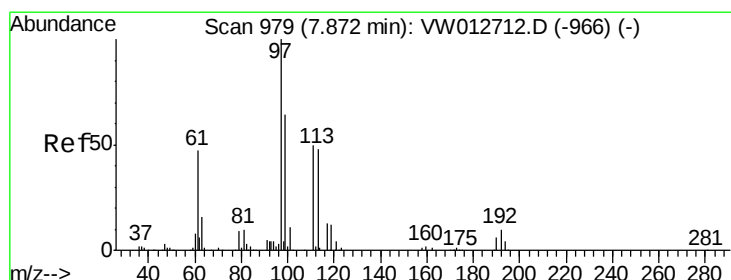
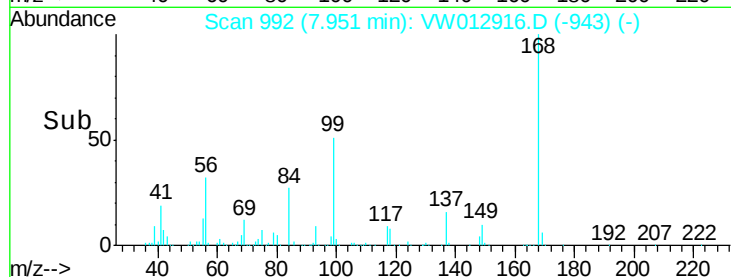
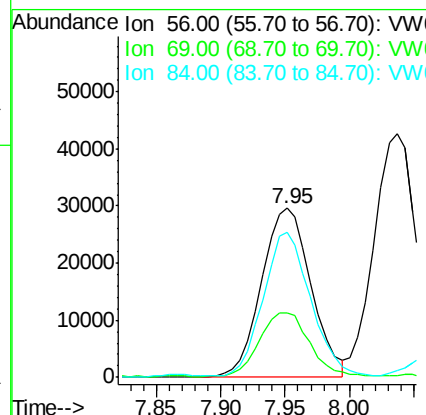
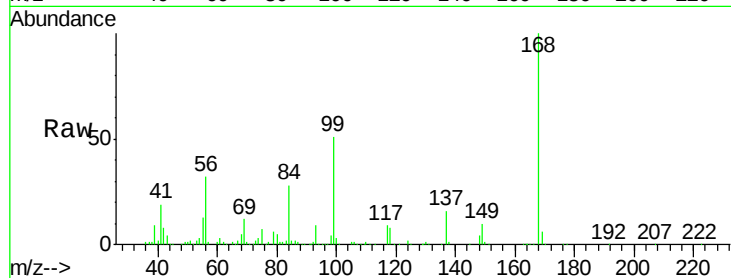
ClientSampleId :

VW0911SBSD01

Tot Ion:	56	Resp:	79003
Ion Ratio	Lower	Upper	
56	100		
69	37.9	25.7	38.5
84	84.2	60.4	90.6

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#32

1,1,1-Trichloroethane

Concen: 21.519 ug/l

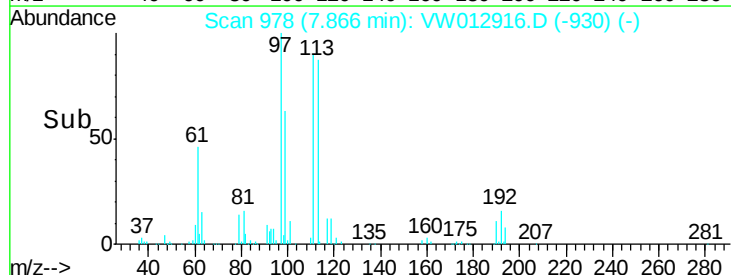
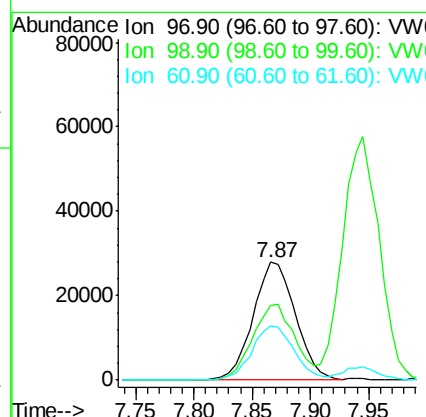
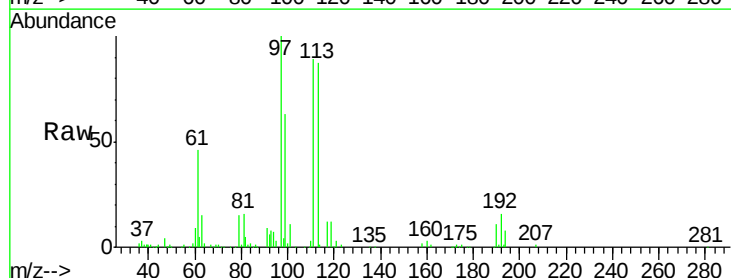
RT: 7.87 min Scan# 978

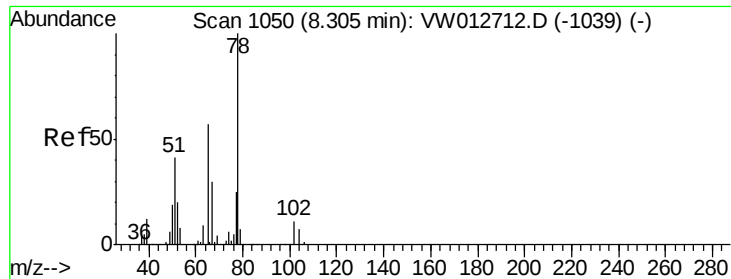
Delta R.T. -0.01 min

Lab File: VW012916.D

Acq: 11 Sep 2019 14:43

Tgt Ion:	97	Resp:	70984
Ion Ratio	Lower	Upper	
97	100		
99	63.7	51.5	77.3
61	45.9	37.9	56.9





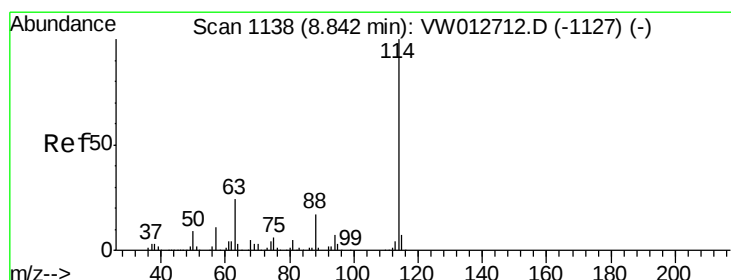
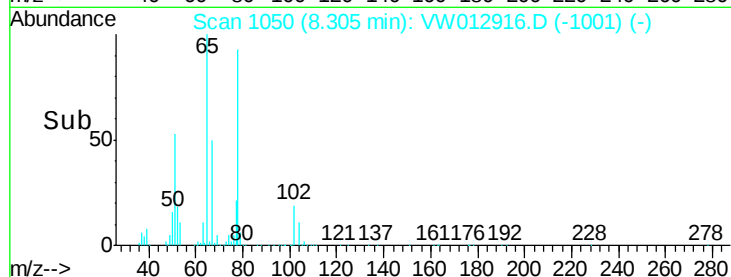
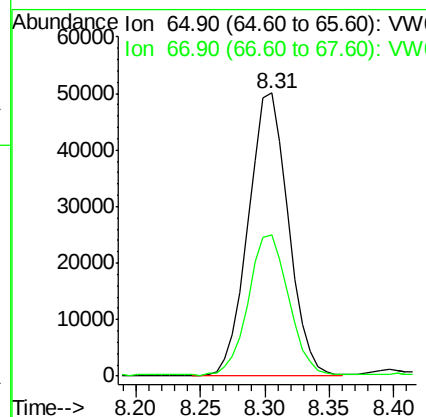
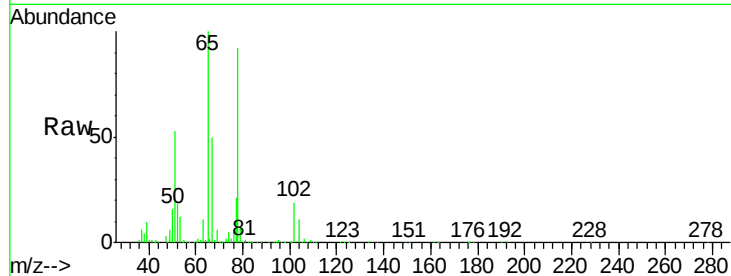
#33
 1,2-Dichloroethane-d4
 Concen: 42.945 ug/l
 RT: 8.31 min Scan# 1050
 Delta R.T. -0.00 min
 Lab File: VW012916.D
 Acq: 11 Sep 2019 14:43

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0911SBSD01

Tot Ion	Ratio	Resp	Lower	Upper
65	100			
67	49.7	0.0	101.8	

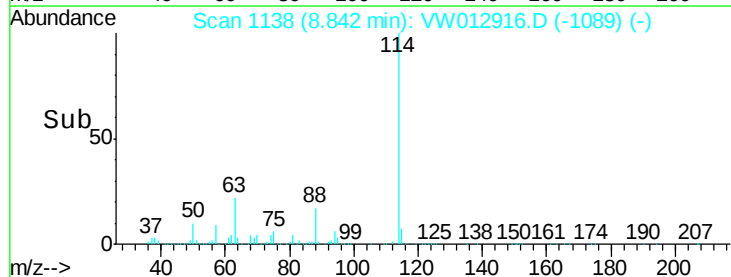
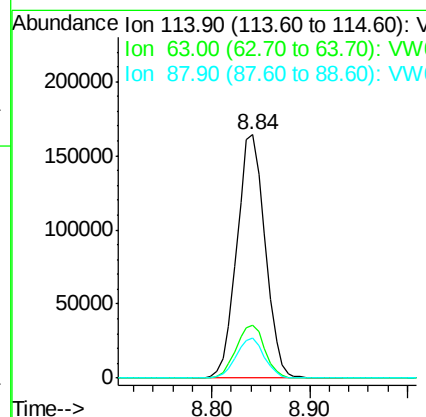
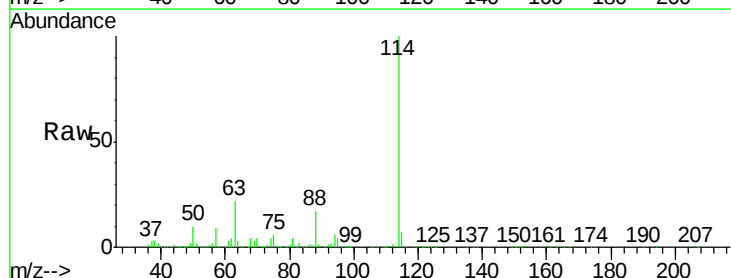
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1138
 Delta R.T. -0.00 min
 Lab File: VW012916.D
 Acq: 11 Sep 2019 14:43

Tgt Ion	Ratio	Resp	Lower	Upper
114	100			
63	21.7	0.0	47.2	
88	16.5	0.0	34.0	





#35

Dibromofluoromethane

Concen: 47.488 ug/l

RT: 7.88 min Scan# 980

Delta R.T. -0.01 min

Lab File: VW012916.D

Acq: 11 Sep 2019 14:43

Instrument :

MSVOA_W

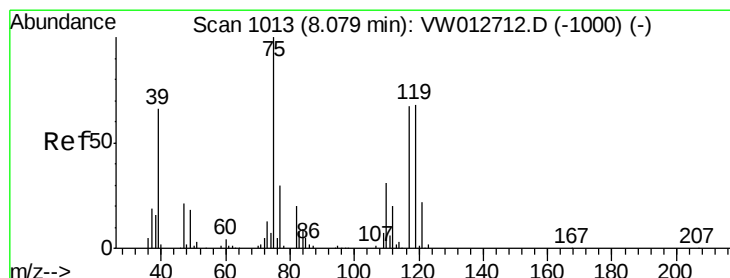
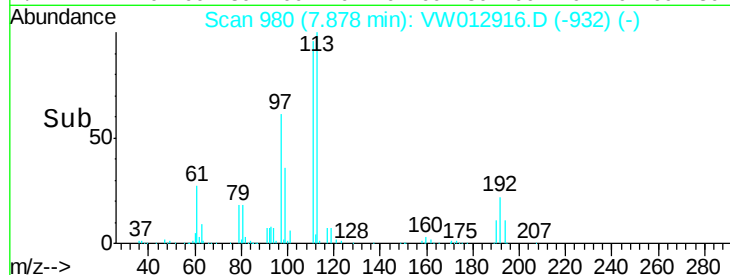
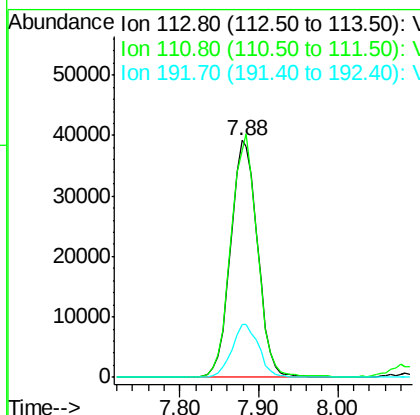
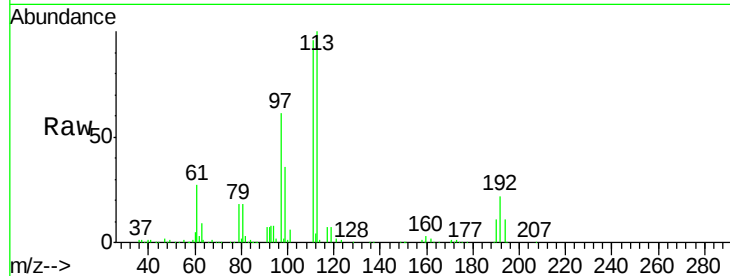
ClientSampleId :

VW0911SBS01

Tot Ion:	113	Resp:	92925
Ion Ratio	Lower	Upper	
113	100		
111	100.8	80.2	120.4
192	22.3	17.3	25.9

Manual Integrations
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#36

1,1-Dichloropropene

Concen: 22.702 ug/l

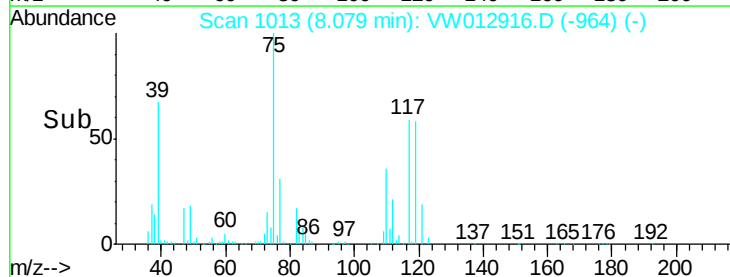
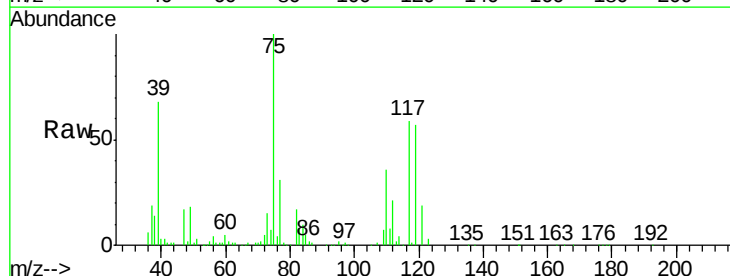
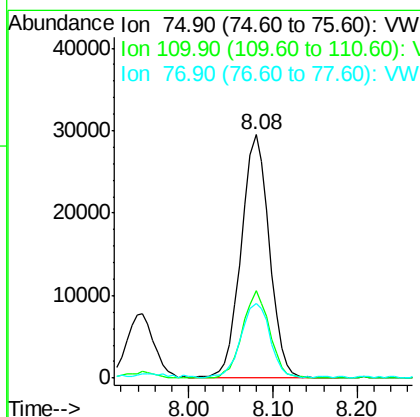
RT: 8.08 min Scan# 1013

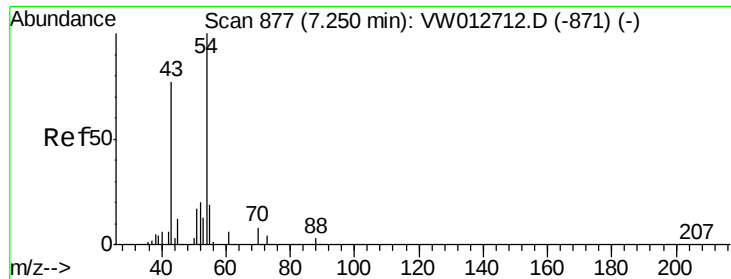
Delta R.T. -0.00 min

Lab File: VW012916.D

Acq: 11 Sep 2019 14:43

Tgt Ion:	75	Resp:	66392
Ion Ratio	Lower	Upper	
75	100		
110	34.6	15.9	47.7
77	32.2	25.0	37.4





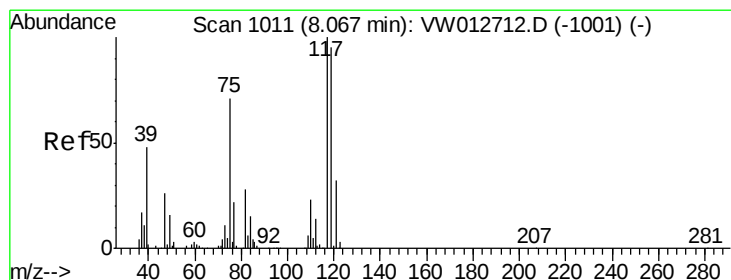
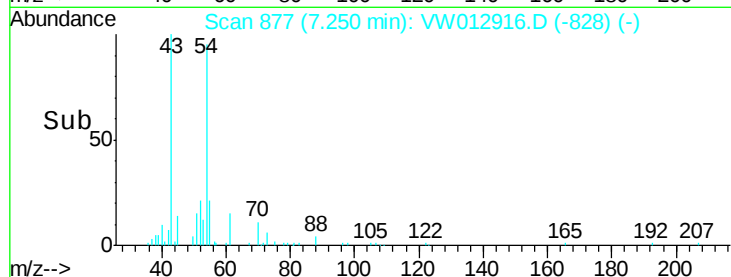
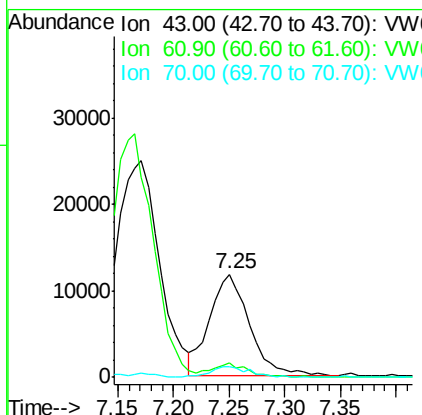
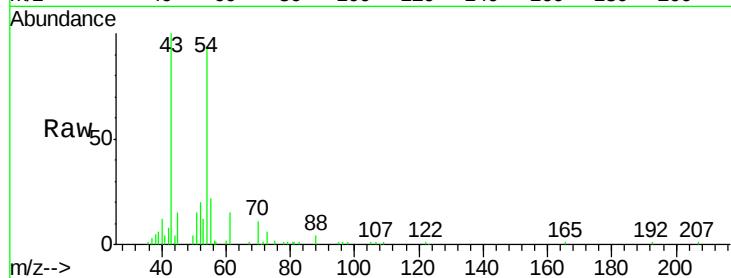
#37
Ethyl Acetate
Concen: 15.697 ug/l
RT: 7.25 min Scan# 877
Delta R.T. -0.00 min
Lab File: VW012916.D
Acq: 11 Sep 2019 14:43

Instrument :
MSVOA_W
ClientSampleId :
VW0911SBSD01

Tot Ion	Ratio	Lower	Upper
43	100		
61	13.1	9.5	14.3
70	10.4	7.0	10.6

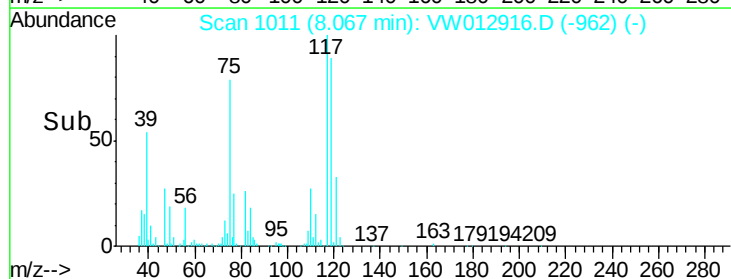
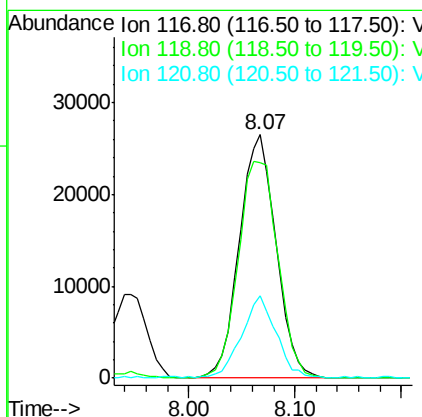
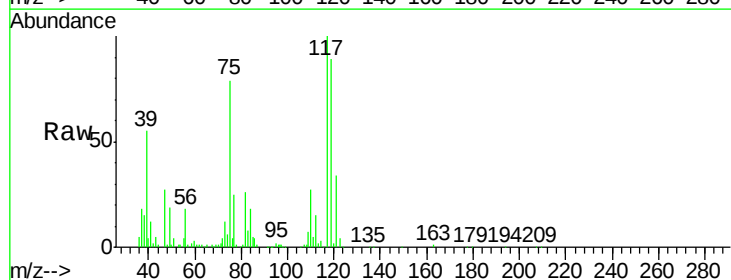
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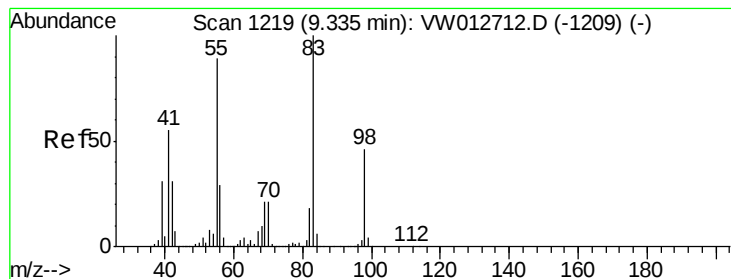
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#38
Carbon Tetrachloride
Concen: 22.303 ug/l
RT: 8.07 min Scan# 1011
Delta R.T. -0.00 min
Lab File: VW012916.D
Acq: 11 Sep 2019 14:43

Tgt Ion	Ratio	Lower	Upper
117	100		
119	88.6	76.2	114.2
121	33.6	25.4	38.2





#39

Methvlcvclohexane

Concen: 23.442 ug/l

RT: 9.34 min Scan# 1219

Delta R.T. -0.00 min

Lab File: VW012916.D

Acq: 11 Sep 2019 14:43

Instrument :

MSVOA_W

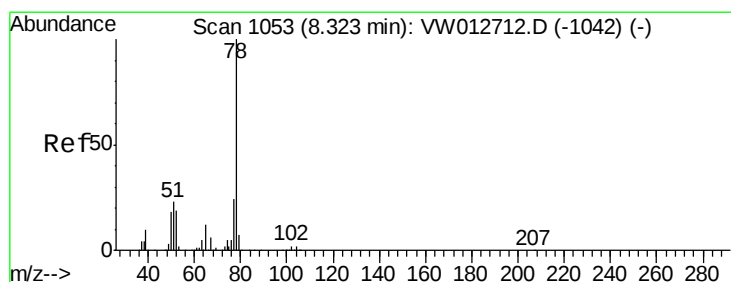
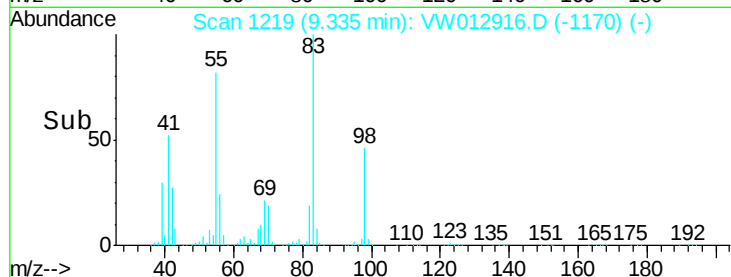
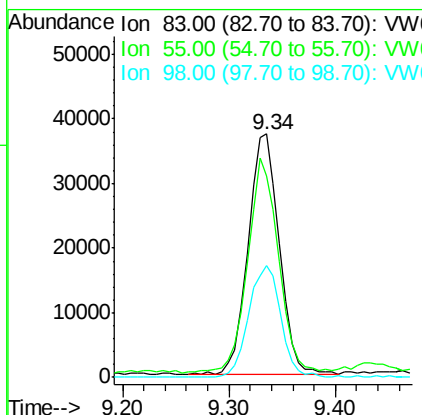
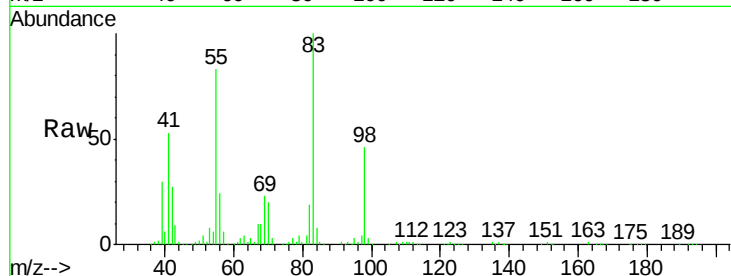
ClientSampleId :

VW0911SBSD01

Tot Ion:	83	Resp:	76997
Ion	Ratio	Lower	Upper
83	100		
55	81.3	71.0	106.4
98	46.3	36.9	55.3

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#40

Benzene

Concen: 21.993 ug/l

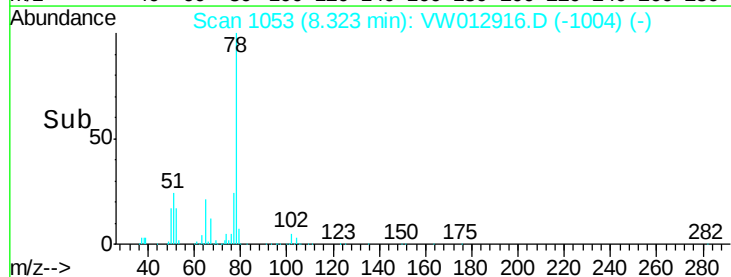
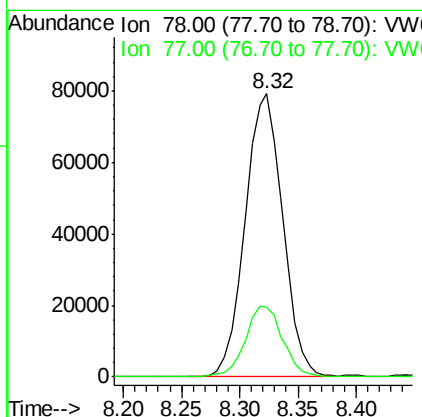
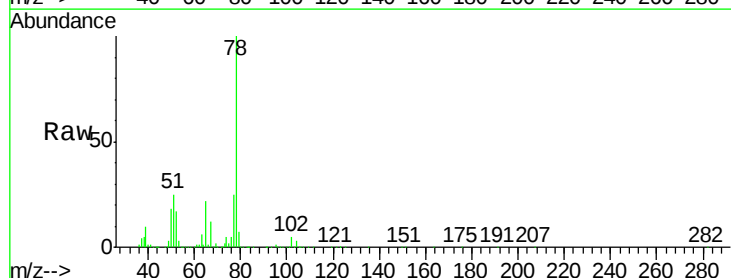
RT: 8.32 min Scan# 1053

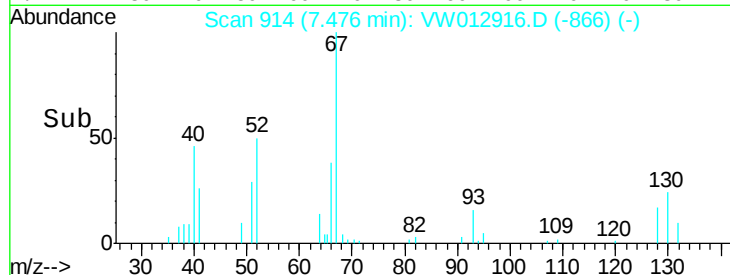
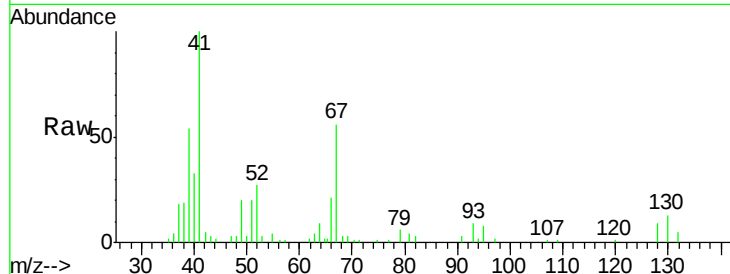
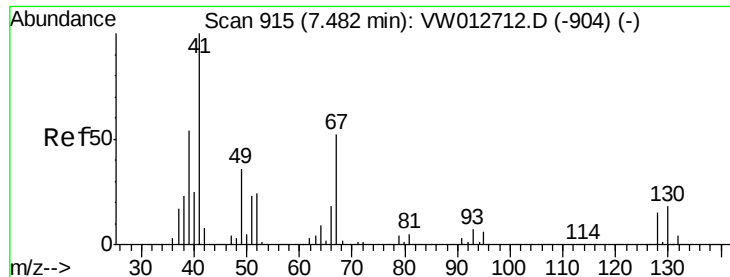
Delta R.T. -0.00 min

Lab File: VW012916.D

Acq: 11 Sep 2019 14:43

Tgt Ion:	78	Resp:	178450
Ion	Ratio	Lower	Upper
78	100		
77	24.5	19.3	28.9





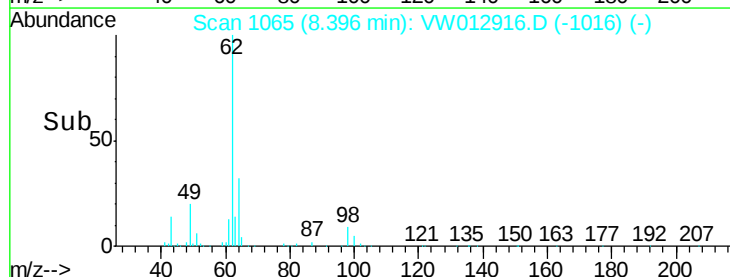
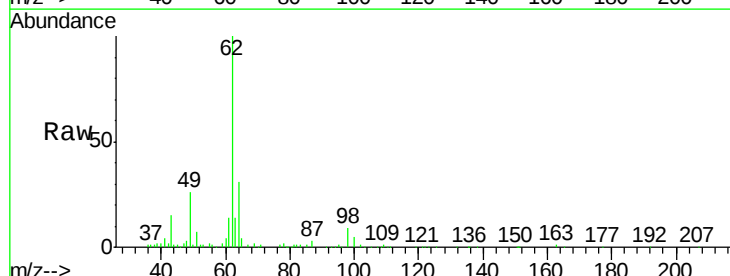
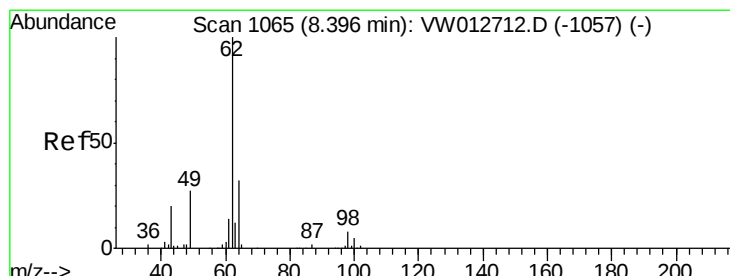
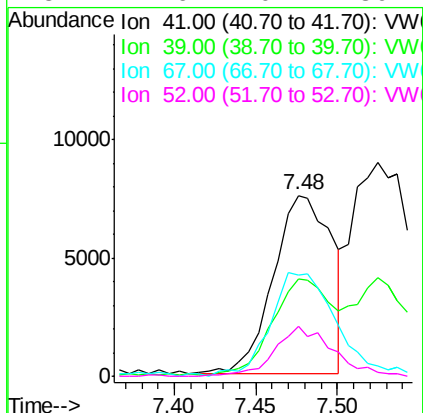
#41
Methacrylonitrile
Concen: 17.583 ug/l
RT: 7.48 min Scan# 914
Delta R.T. -0.01 min
Lab File: VW012916.D
Acq: 11 Sep 2019 14:43

Tot Ion	41	Resp	18866
Ion Ratio	Lower	Upper	
41	100		
39	53.2	47.5	71.3
67	65.9	45.1	67.7
52	27.6	20.2	30.2

Instrument :
MSVOA_W
ClientSampleId :
VW0911SBSD01

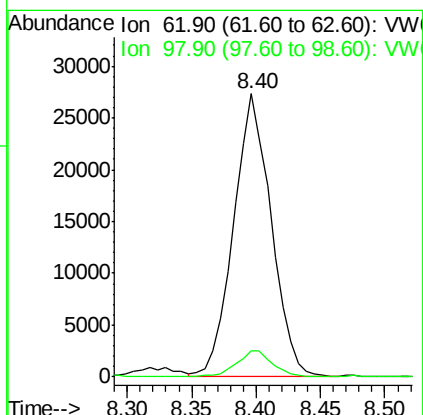
Manual Integrations
APPROVED

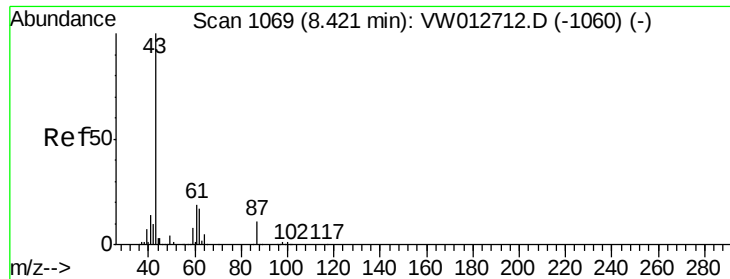
MMDadoda
9/13/2019 1:32:23 AM



#42
1,2-Dichloroethane
Concen: 19.453 ug/l
RT: 8.40 min Scan# 1065
Delta R.T. -0.00 min
Lab File: VW012916.D
Acq: 11 Sep 2019 14:43

Tgt Ion	62	Resp	55551
Ion Ratio	Lower	Upper	
62	100		
98	8.8	0.0	16.2





#43

Isopropyl Acetate

Concen: 16.429 ug/l

RT: 8.42 min Scan# 1069

Delta R.T. -0.00 min

Lab File: VW012916.D

Acq: 11 Sep 2019 14:43

Instrument :

MSVOA_W

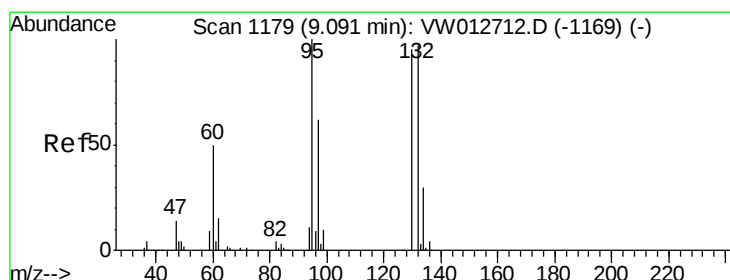
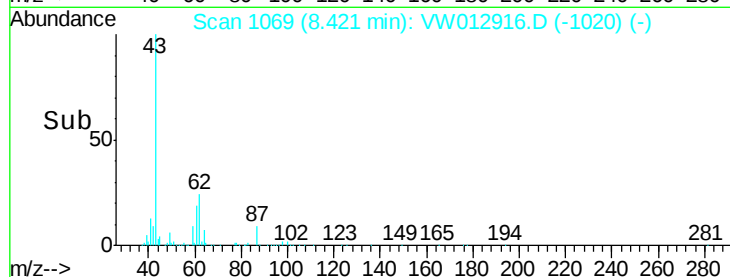
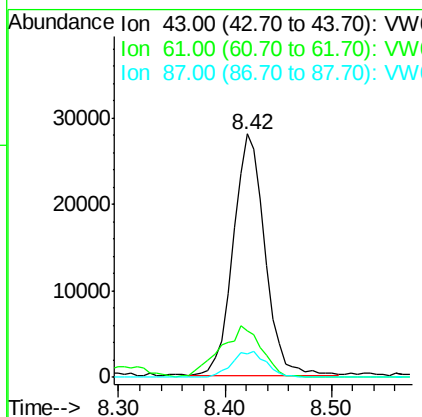
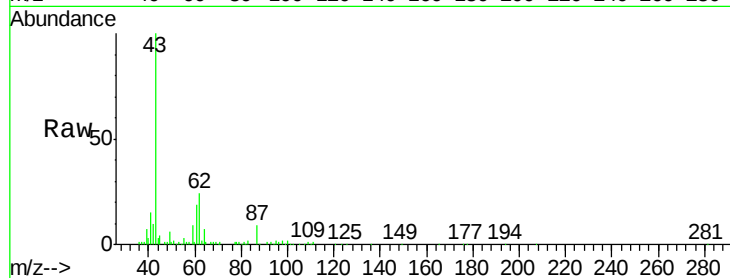
ClientSampleId :

VW0911SBS01

Tot Ion:	43	Resp:	58027
Ion	Ratio	Lower	Upper
43	100		
61	28.2	20.6	30.8
87	11.6	8.6	13.0

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#44

Trichloroethene

Concen: 23.340 ug/l

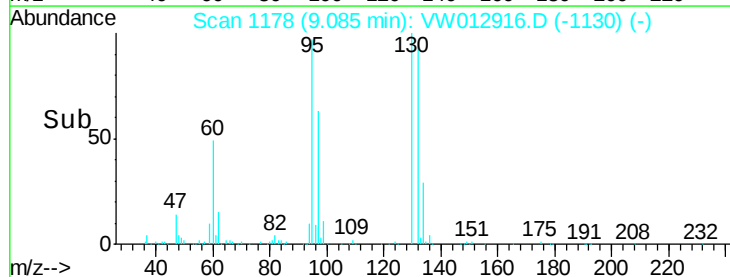
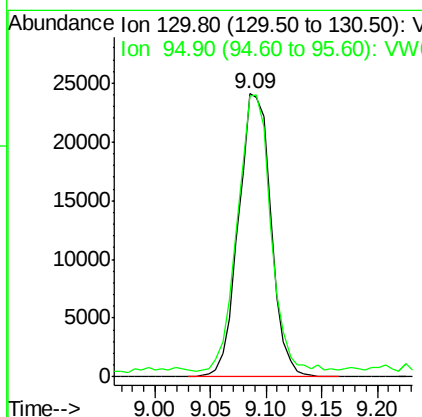
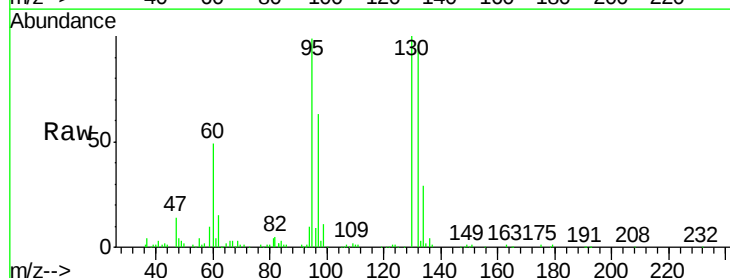
RT: 9.09 min Scan# 1178

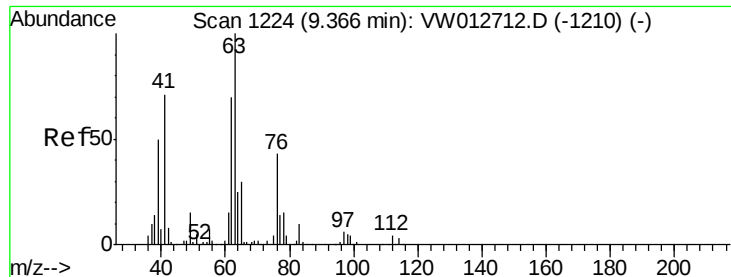
Delta R.T. -0.01 min

Lab File: VW012916.D

Acq: 11 Sep 2019 14:43

Tgt Ion:	130	Resp:	48817
Ion	Ratio	Lower	Upper
130	100		
95	97.1	0.0	210.6





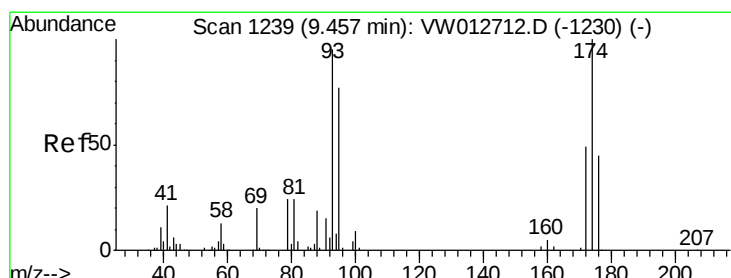
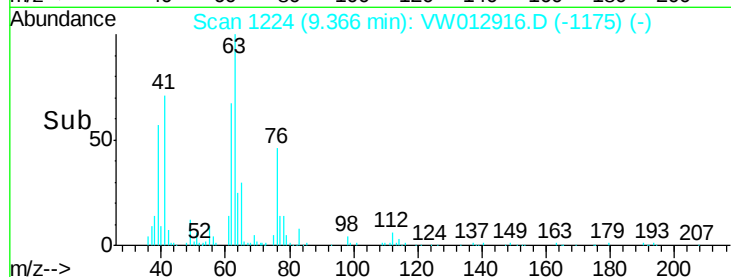
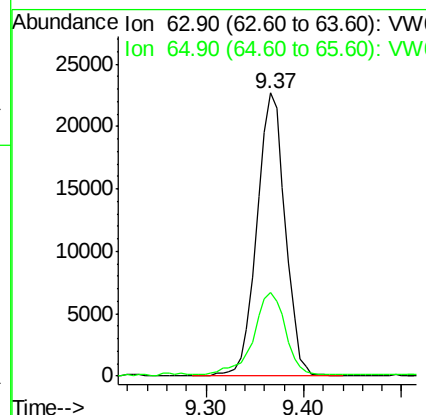
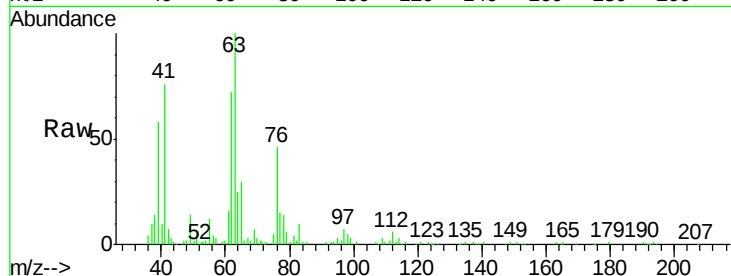
#45
 1,2-Dichloropropane
 Concen: 20.207 ug/l
 RT: 9.37 min Scan# 1224
 Delta R.T. -0.00 min
 Lab File: VW012916.D
 Acq: 11 Sep 2019 14:43

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0911SBSD01

Tot Ion: 63 Resp: 45474
 Ion Ratio Lower Upper
 63 100
 65 29.1 23.8 35.8

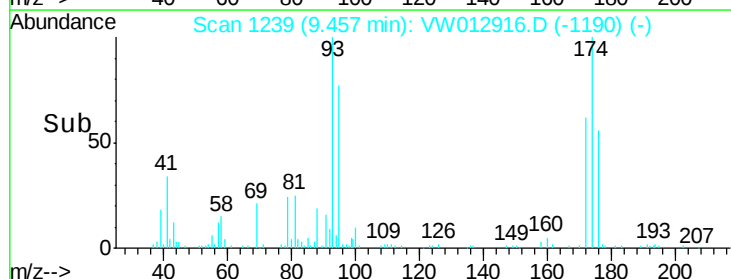
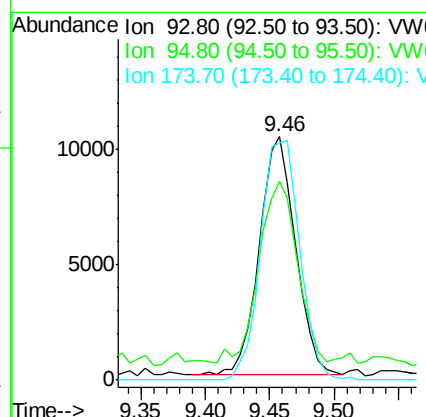
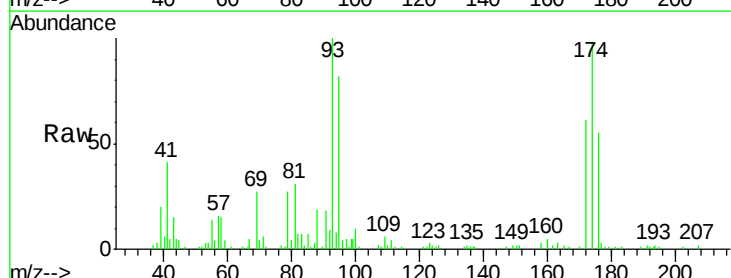
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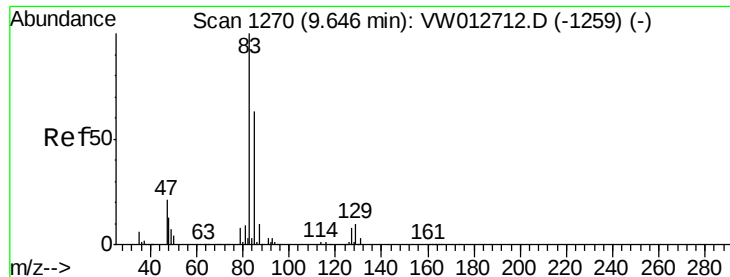
MMDadoda
 9/13/2019 1:32:23 AM



#46
 Dibromomethane
 Concen: 18.758 ug/l
 RT: 9.46 min Scan# 1239
 Delta R.T. -0.00 min
 Lab File: VW012916.D
 Acq: 11 Sep 2019 14:43

Tgt Ion: 93 Resp: 19990
 Ion Ratio Lower Upper
 93 100
 95 80.3 65.2 97.8
 174 110.1 84.2 126.4





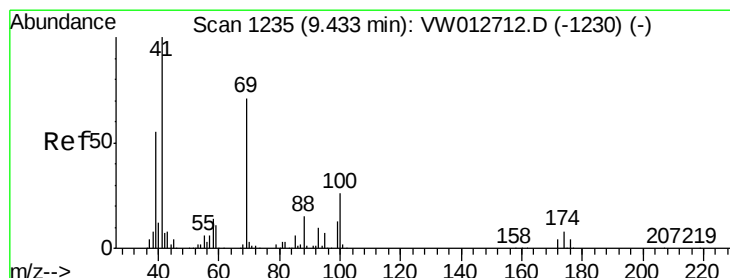
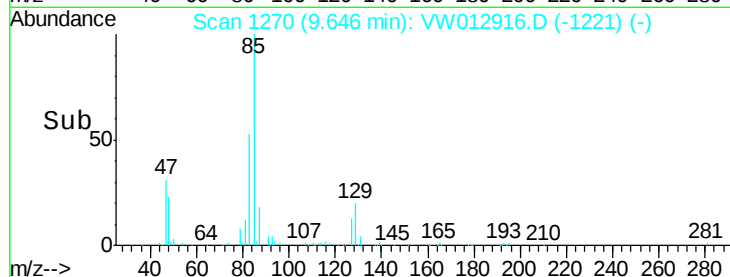
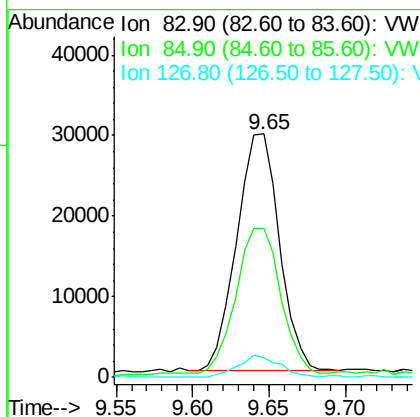
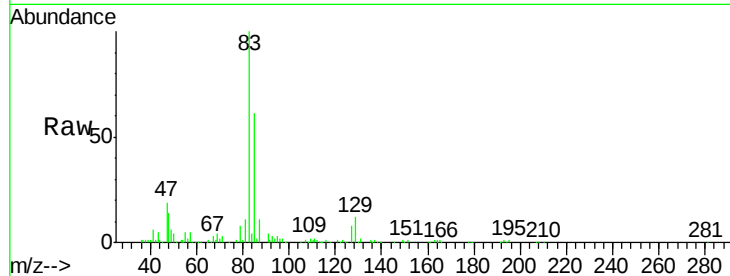
#47
Bromodichloromethane
Concen: 19.459 ug/l
RT: 9.65 min Scan# 1270
Delta R.T. -0.00 min
Lab File: VW012916.D
Acq: 11 Sep 2019 14:43

Instrument :
MSVOA_W
ClientSampleId :
VW0911SBSD01

Tot Ion	Ratio	Lower	Upper
83	100		
85	60.9	50.2	75.2
127	7.9	6.6	9.8

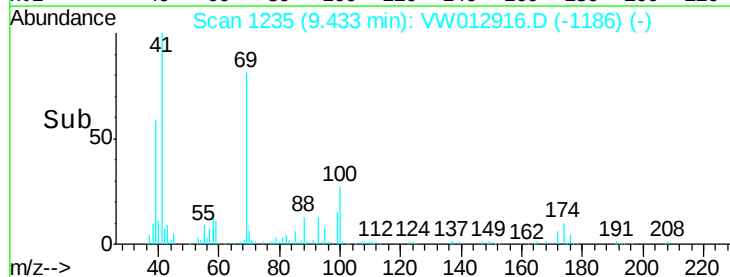
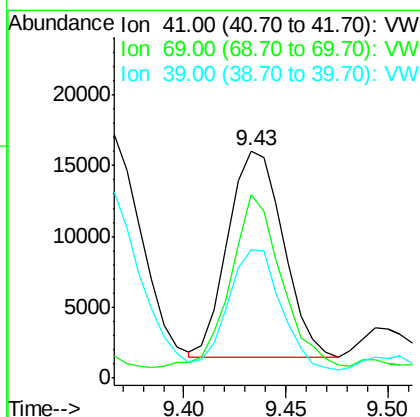
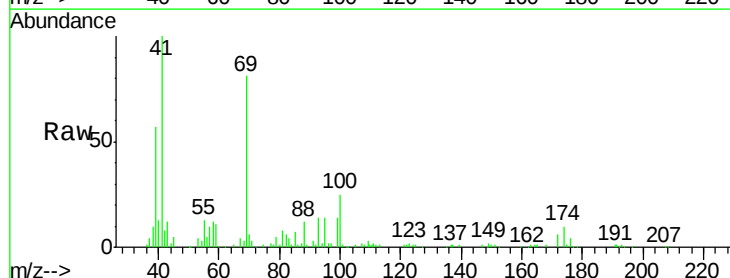
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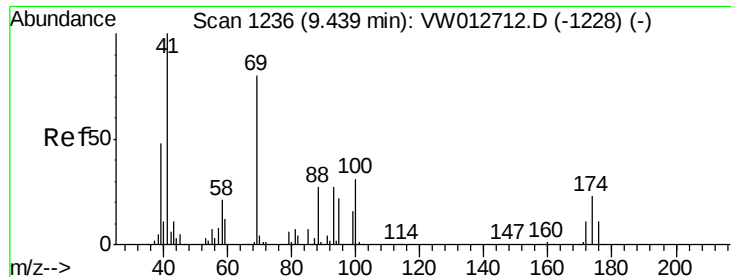
MMDadoda
9/13/2019 1:32:23 AM



#48
Methyl methacrylate
Concen: 16.295 ug/l
RT: 9.43 min Scan# 1235
Delta R.T. -0.00 min
Lab File: VW012916.D
Acq: 11 Sep 2019 14:43

Tgt Ion	Ratio	Lower	Upper
41	100		
69	76.1	59.8	89.8
39	55.7	47.0	70.6





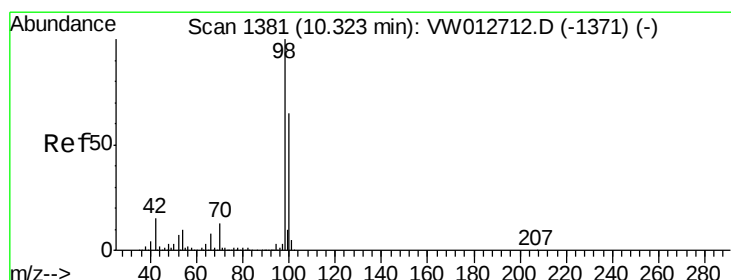
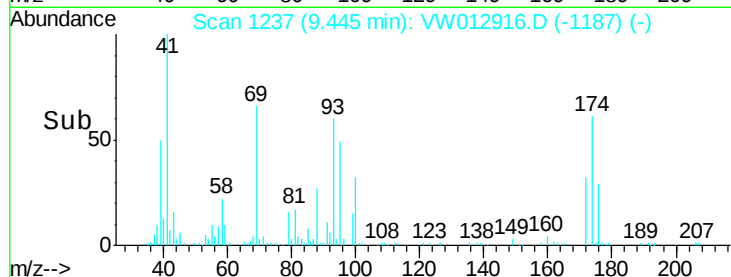
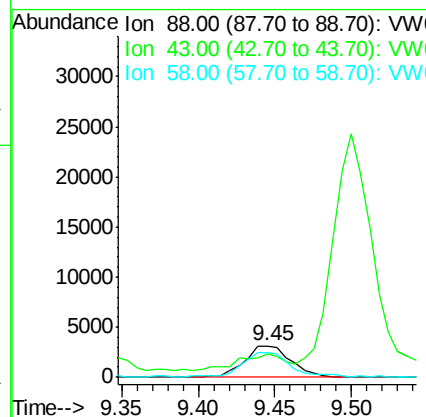
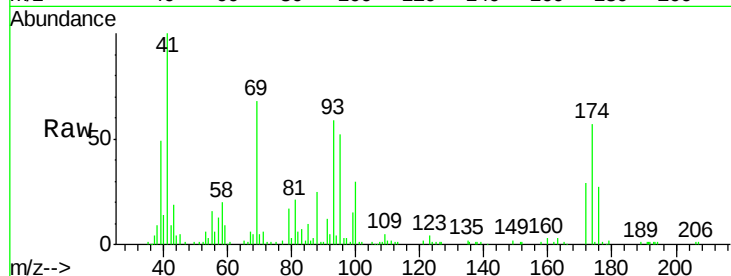
#49
1,4-Dioxane
Concen: 314.300 ug/l
RT: 9.45 min Scan# 1237
Delta R.T. 0.01 min
Lab File: VW012916.D
Acq: 11 Sep 2019 14:43

Instrument :
MSVOA_W
ClientSampleId :
VW0911SBSD01

Tot Ion	Ratio	Resp	Lower	Upper
88	100	6616		
43	59.4		34.8	52.2#
58	87.3		64.1	96.1

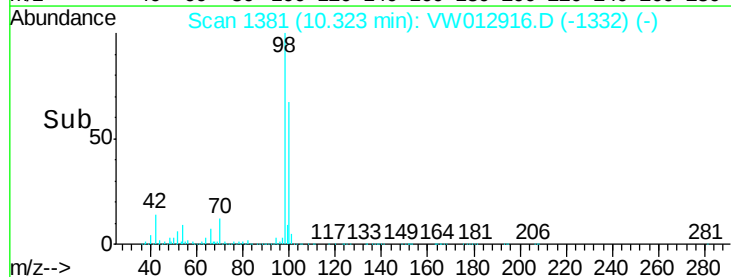
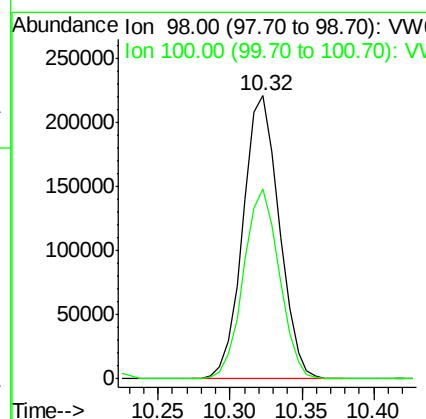
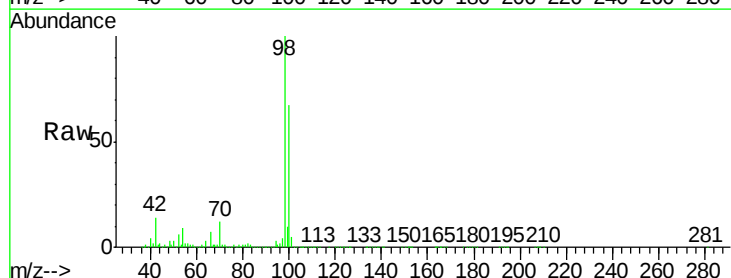
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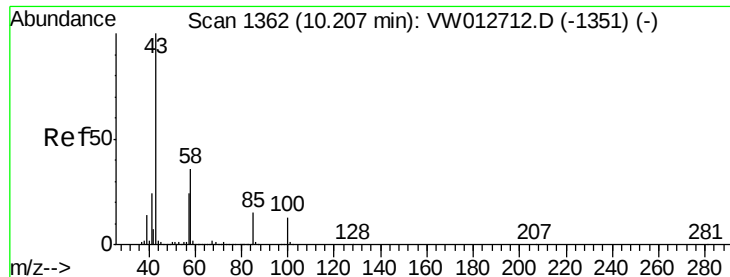
MMDadoda
9/13/2019 1:32:23 AM



#50
Toluene-d8
Concen: 49.988 ug/l
RT: 10.32 min Scan# 1381
Delta R.T. -0.00 min
Lab File: VW012916.D
Acq: 11 Sep 2019 14:43

Tgt Ion	Ratio	Resp	Lower	Upper
98	100	383223		
100	66.4		52.2	78.4





#51

4-Methyl-2-Pentanone

Concen: 79.891 ug/l

RT: 10.21 min Scan# 1362

Delta R.T. -0.00 min

Lab File: VW012916.D

Acq: 11 Sep 2019 14:43

Instrument :

MSVOA_W

ClientSampleID :

VW0911SBSD01

Tot Ion: 43 Resp: 148064

Ion Ratio Lower Upper

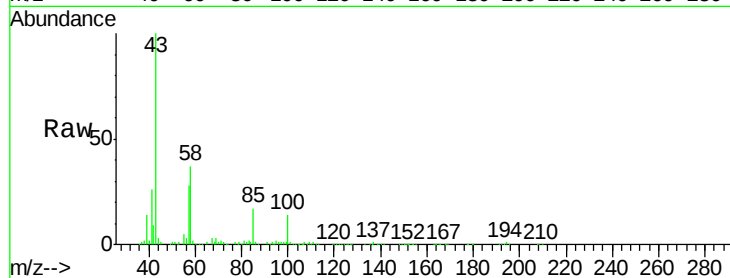
43 100

58 36.6 28.4 42.6

Manual Integrations
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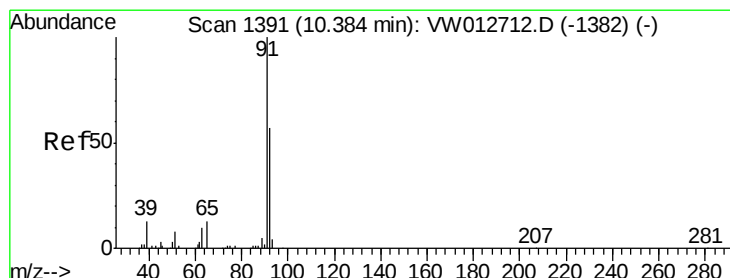
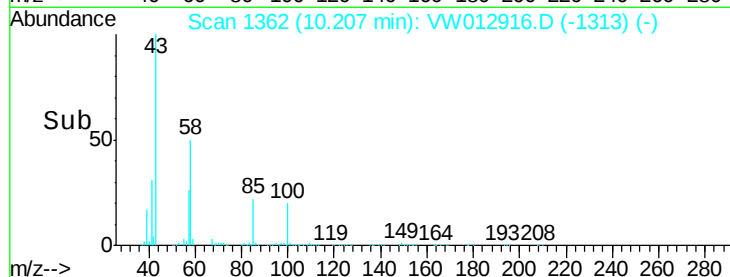
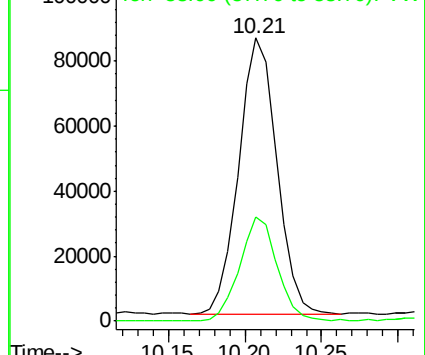
MMDadoda

9/13/2019 1:32:23 AM



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW



#52

Toluene

Concen: 22.514 ug/l

RT: 10.38 min Scan# 1391

Delta R.T. -0.00 min

Lab File: VW012916.D

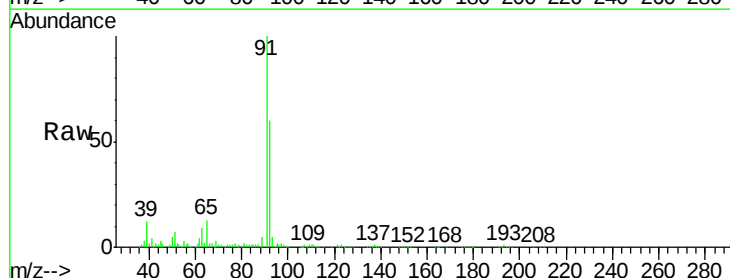
Acq: 11 Sep 2019 14:43

Tgt Ion: 92 Resp: 114015

Ion Ratio Lower Upper

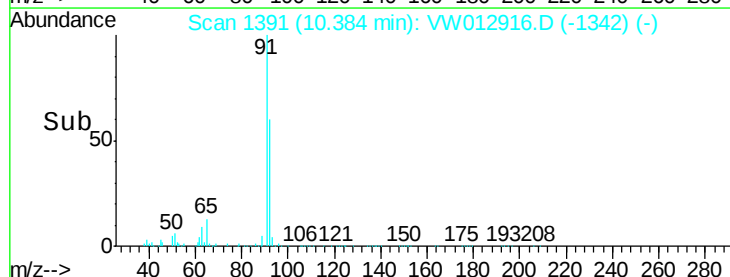
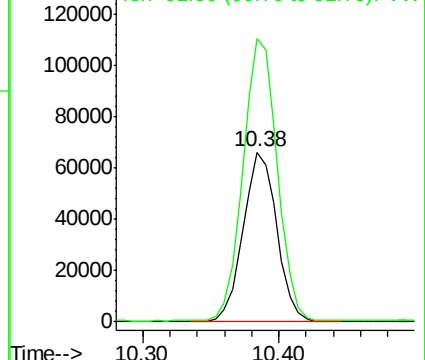
92 100

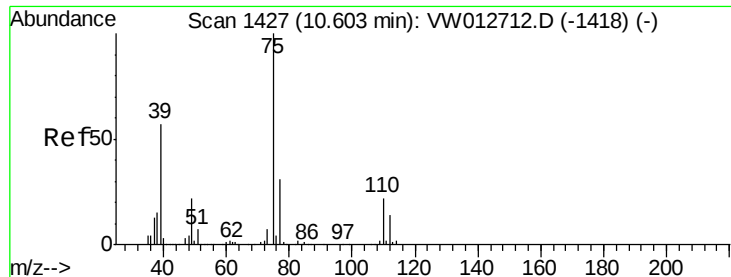
91 170.6 137.0 205.4



Abundance Ion 92.00 (91.70 to 92.70): VW

Ion 91.00 (90.70 to 91.70): VW





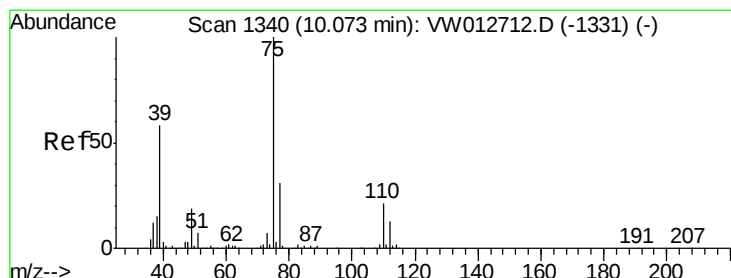
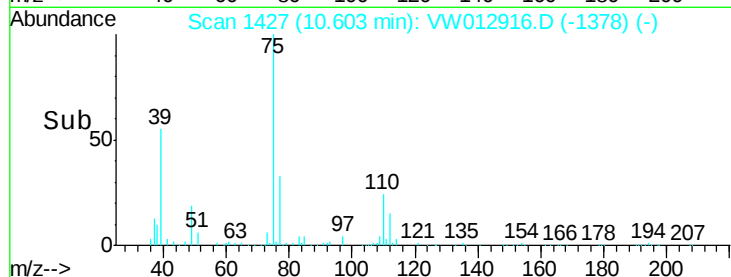
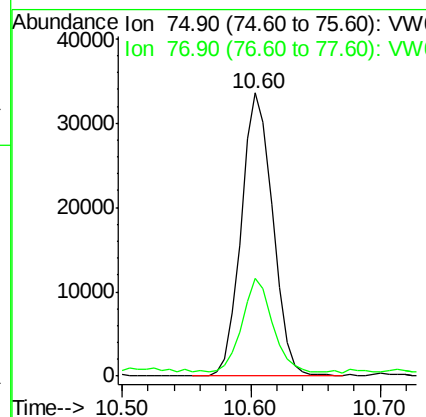
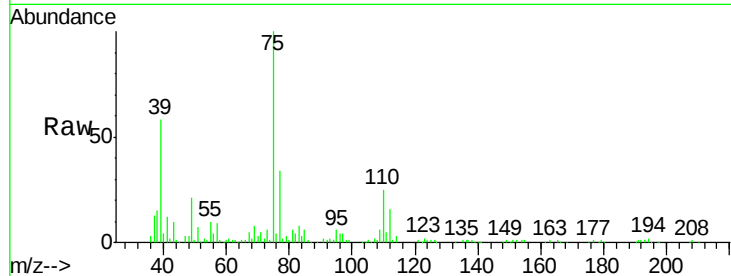
#53
t-1,3-Dichloropropene
Concen: 18.811 ug/l
RT: 10.60 min Scan# 1427
Delta R.T. -0.00 min
Lab File: VW012916.D
Acq: 11 Sep 2019 14:43

Instrument :
MSVOA_W
ClientSampleId :
VW0911SBSD01

Tot Ion	75	Resp	56711
Ion Ratio	Lower	Upper	
75	100		
77	33.2	24.7	37.1

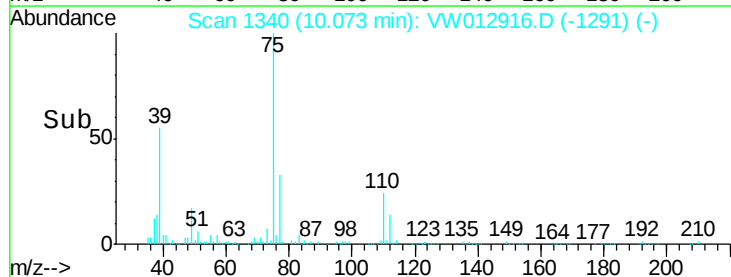
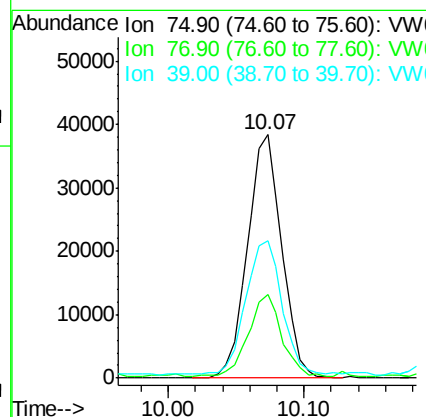
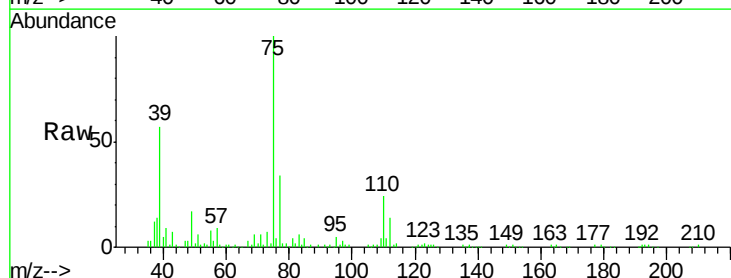
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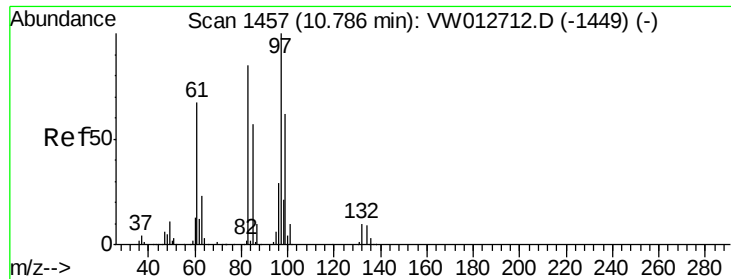
MMDadoda
9/13/2019 1:32:23 AM



#54
cis-1,3-Dichloropropene
Concen: 19.732 ug/l
RT: 10.07 min Scan# 1340
Delta R.T. -0.00 min
Lab File: VW012916.D
Acq: 11 Sep 2019 14:43

Tgt Ion	75	Resp	67484
Ion Ratio	Lower	Upper	
75	100		
77	33.2	24.6	36.8
39	55.0	46.3	69.5





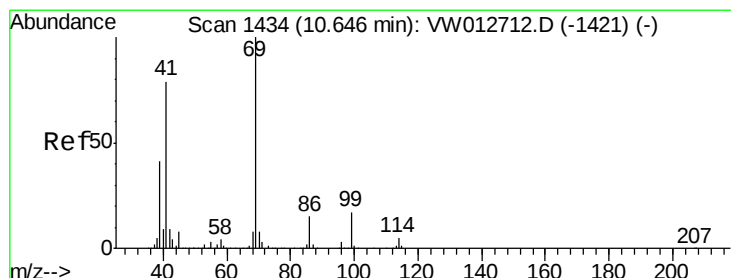
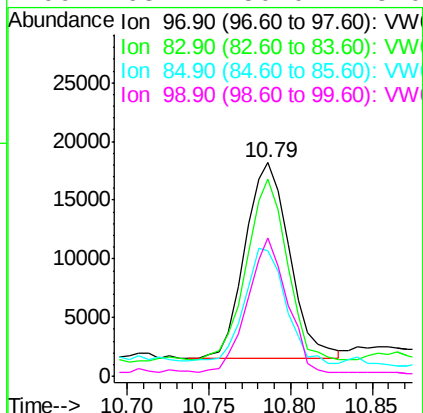
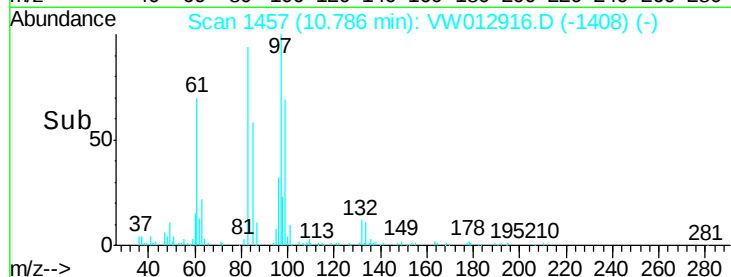
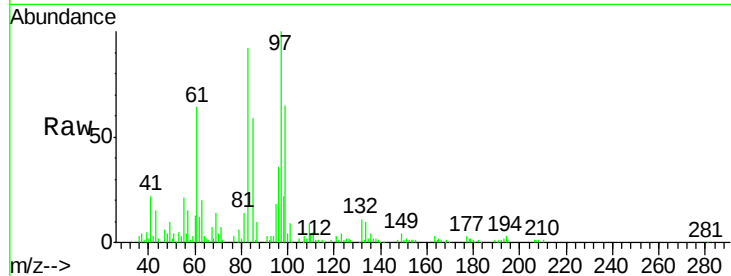
#55
 1,1,2-Trichloroethane
 Concen: 19.669 ug/l
 RT: 10.79 min Scan# 1457
 Delta R.T. -0.00 min
 Lab File: VW012916.D
 Acq: 11 Sep 2019 14:43

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0911SBSD01

Tot Ion:	97	Resp:	31380
Ion	Ratio	Lower	Upper
97	100		
83	92.6	68.1	102.1
85	57.9	45.3	67.9
99	68.7	50.0	75.0

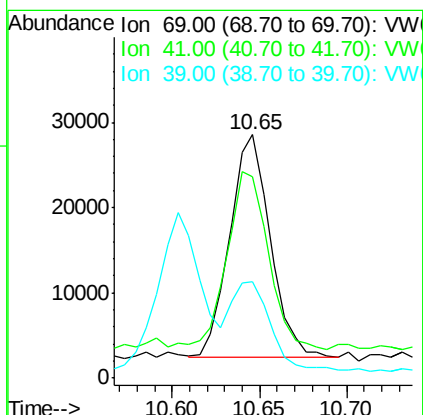
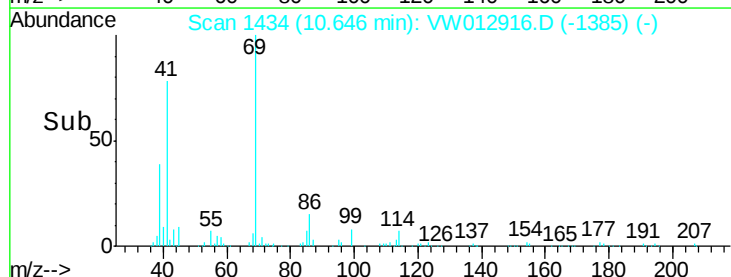
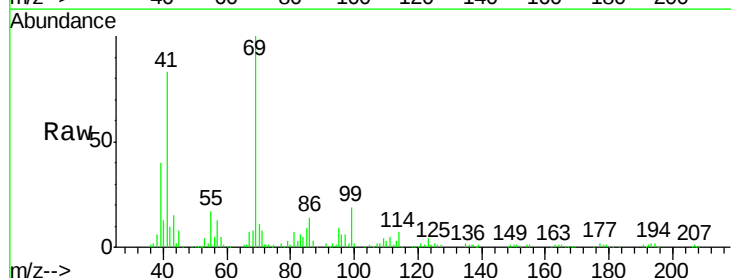
Manual Integrations
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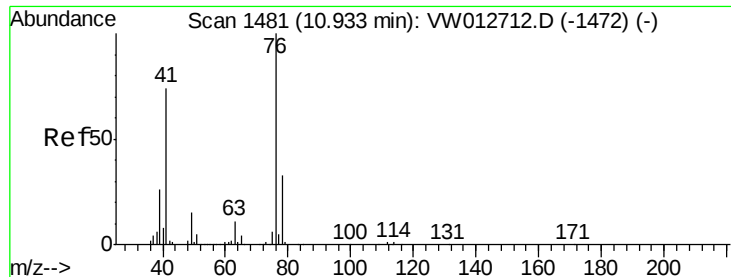
MMDadoda
 9/13/2019 1:32:23 AM



#56
 Ethyl methacrylate
 Concen: 17.916 ug/l
 RT: 10.65 min Scan# 1434
 Delta R.T. -0.00 min
 Lab File: VW012916.D
 Acq: 11 Sep 2019 14:43

Tgt Ion:	69	Resp:	41840
Ion	Ratio	Lower	Upper
69	100		
41	82.0	64.4	96.6
39	39.7	31.1	46.7





#57

1,3-Dichloropropane

Concen: 18.880 ug/l

RT: 10.93 min Scan# 1481

Delta R.T. -0.00 min

Lab File: VW012916.D

Acq: 11 Sep 2019 14:43

Instrument :

MSVOA_W

ClientSampleId :

VW0911SBSD01

Tot Ion: 76 Resp: 55724

Ion Ratio Lower Upper

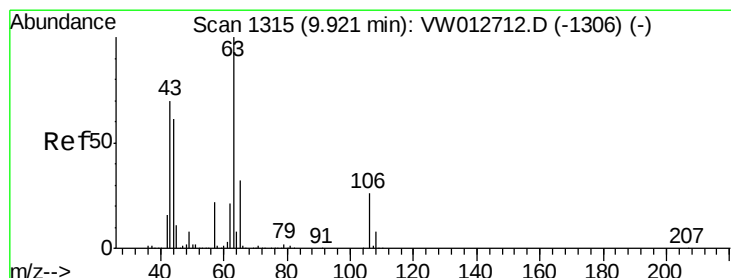
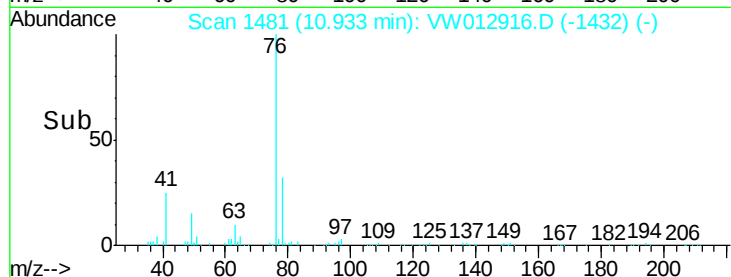
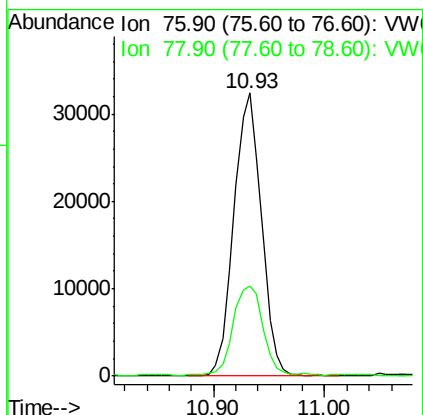
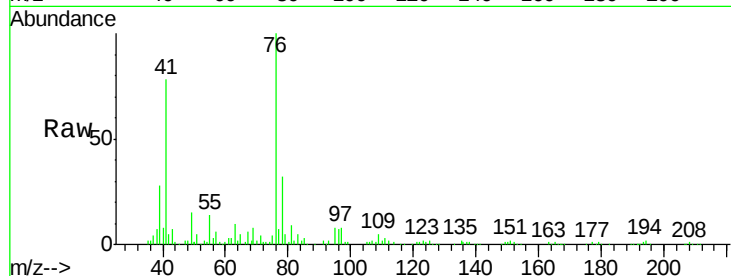
76 100

78 33.9 25.9 38.9

Manual Integrations
APPROVED

MMDadoda

9/13/2019 1:32:23 AM



#58

2-Chloroethyl Vinyl ether

Concen: 89.039 ug/l

RT: 9.92 min Scan# 1315

Delta R.T. -0.00 min

Lab File: VW012916.D

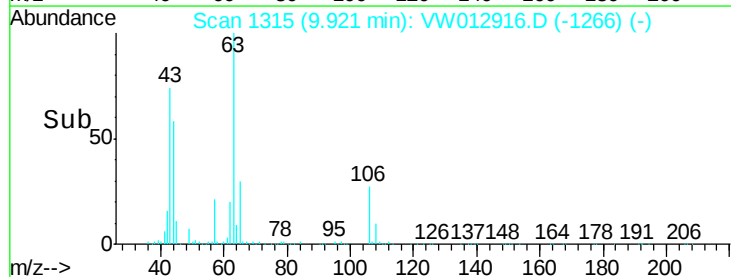
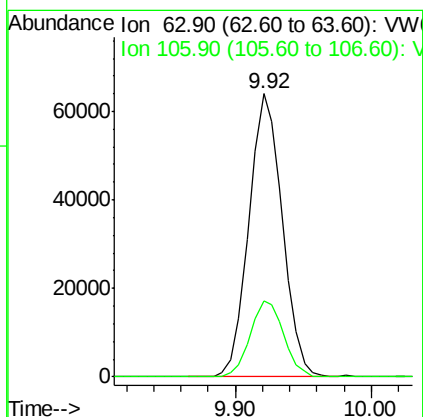
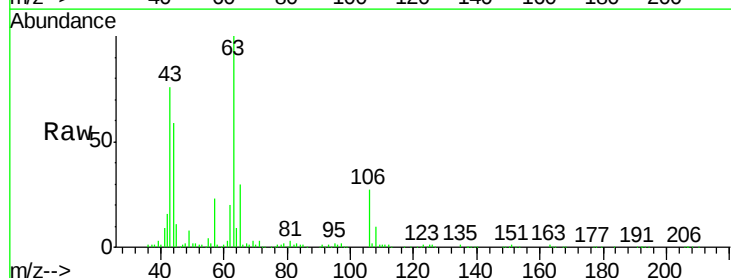
Acq: 11 Sep 2019 14:43

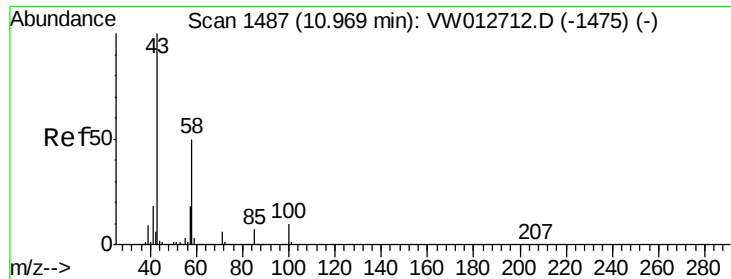
Tgt Ion: 63 Resp: 110392

Ion Ratio Lower Upper

63 100

106 27.1 20.5 30.7





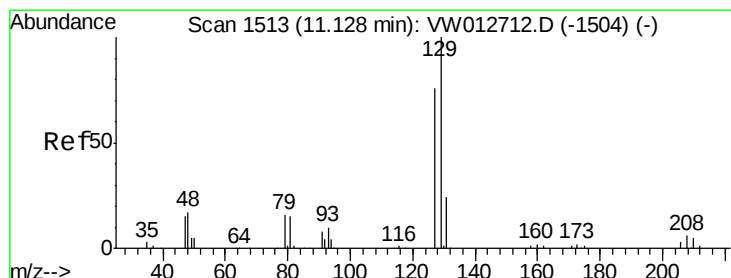
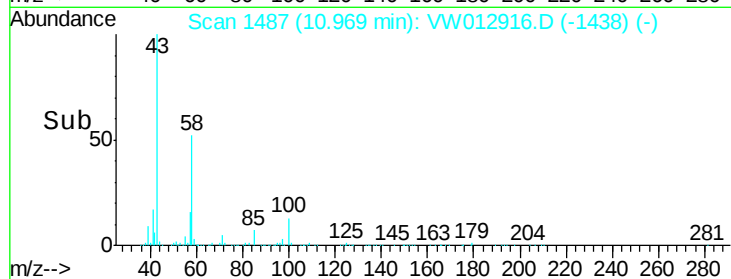
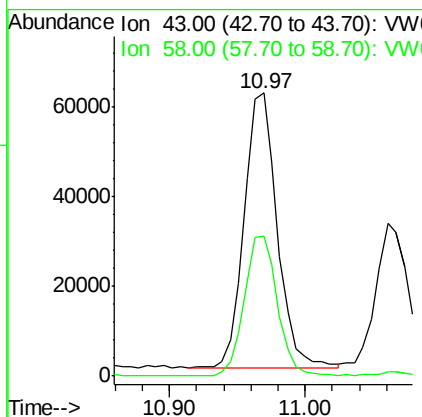
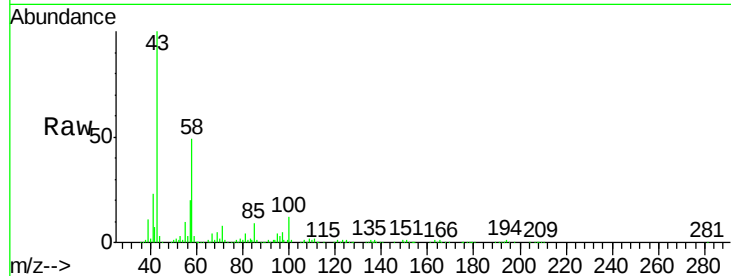
#59
2-Hexanone
Concen: 76.508 ug/l
RT: 10.97 min Scan# 1487
Delta R.T. -0.00 min
Lab File: VW012916.D
Acq: 11 Sep 2019 14:43

Instrument :
MSVOA_W
ClientSampled :
VW0911SBSD01

Tot Ion: 43 Resp: 103593
Ion Ratio Lower Upper
43 100
58 51.5 24.7 74.1

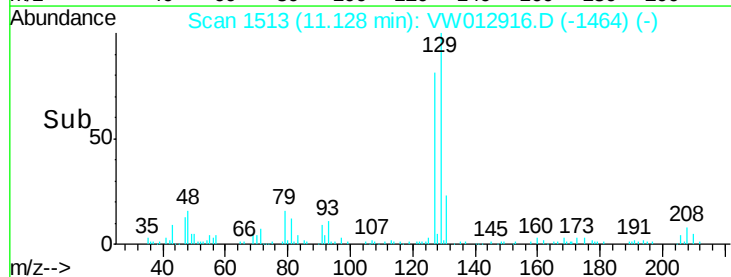
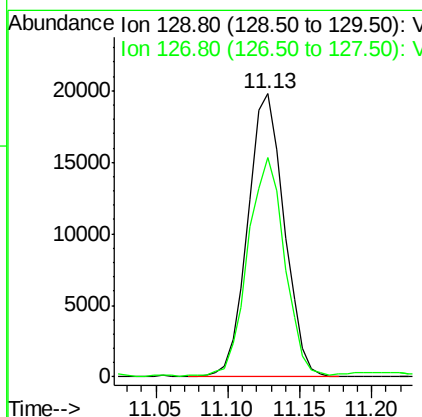
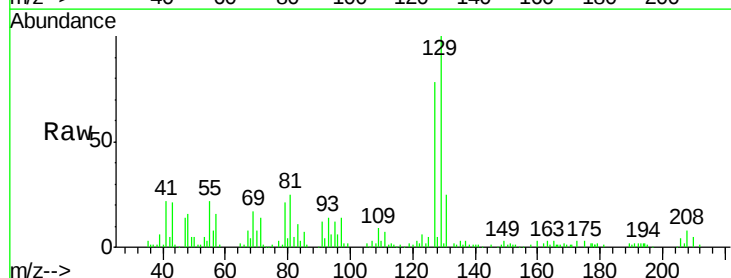
Manual Integrations
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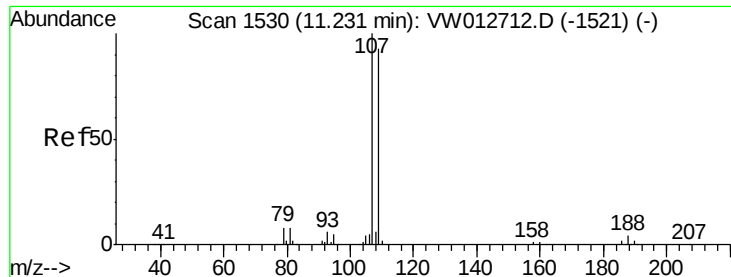
MMDadoda
9/13/2019 1:32:23 AM



#60
Dibromochloromethane
Concen: 18.421 ug/l
RT: 11.13 min Scan# 1513
Delta R.T. -0.00 min
Lab File: VW012916.D
Acq: 11 Sep 2019 14:43

Tgt Ion: 129 Resp: 34565
Ion Ratio Lower Upper
129 100
127 77.1 38.6 115.8





#61

1,2-Dibromoethane

Concen: 19.690 ug/l

RT: 11.23 min Scan# 1530

Delta R.T. -0.00 min

Lab File: VW012916.D

Acq: 11 Sep 2019 14:43

Instrument :

MSVOA_W

ClientSampleId :

VW0911SBSD01

Tot Ion: 107 Resp: 28800

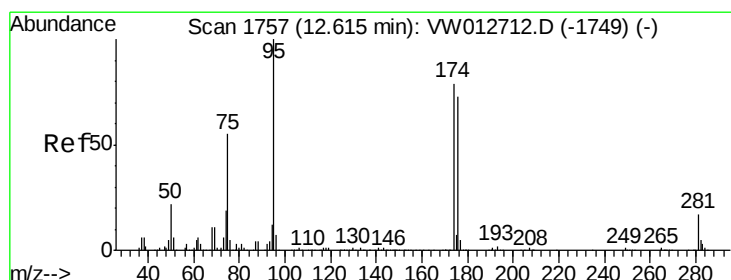
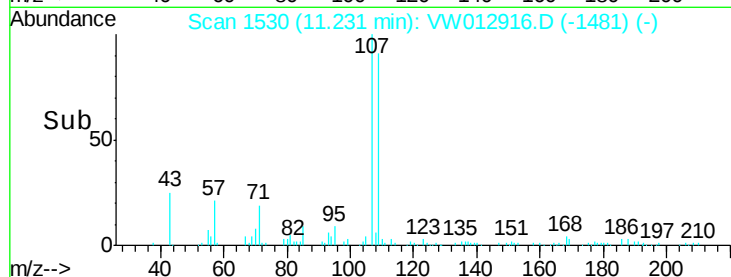
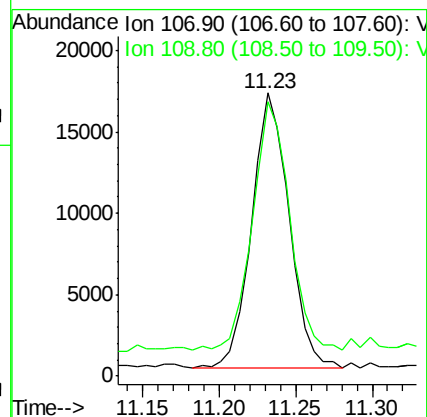
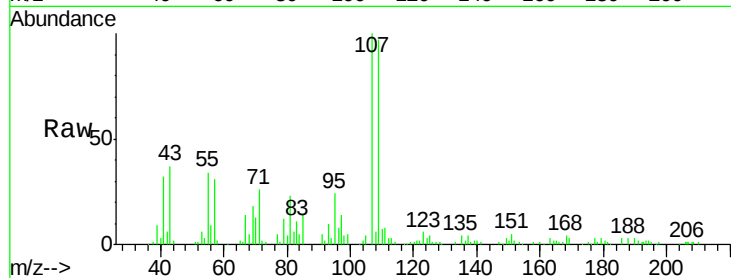
Ion Ratio Lower Upper

107 100

109 88.6 75.0 112.6

Manual Integrations
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MMDadoda
9/13/2019 1:32:23 AM



#62

4-Bromofluorobenzene

Concen: 51.819 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. -0.00 min

Lab File: VW012916.D

Acq: 11 Sep 2019 14:43

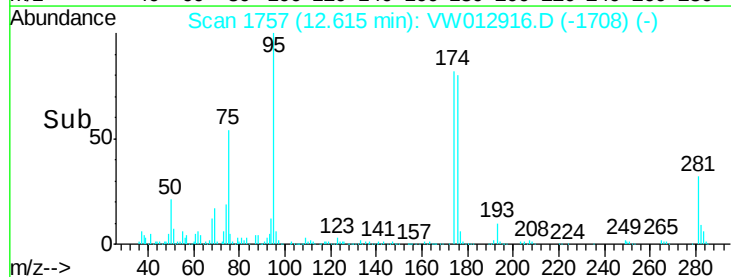
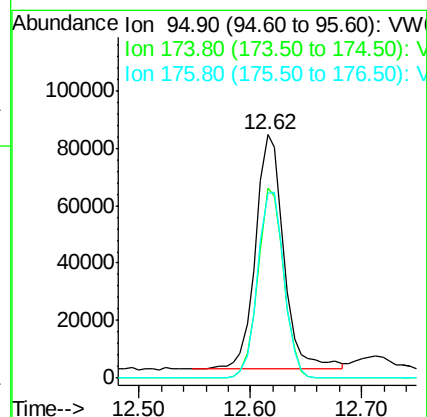
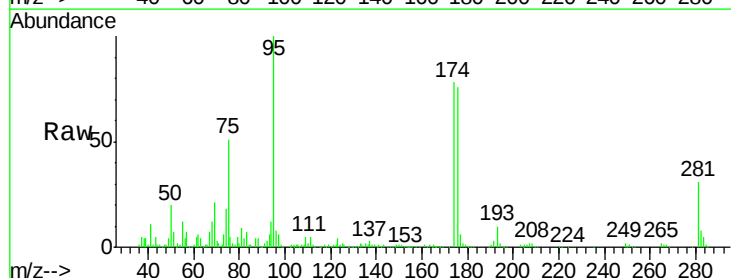
Tgt Ion: 95 Resp: 144219

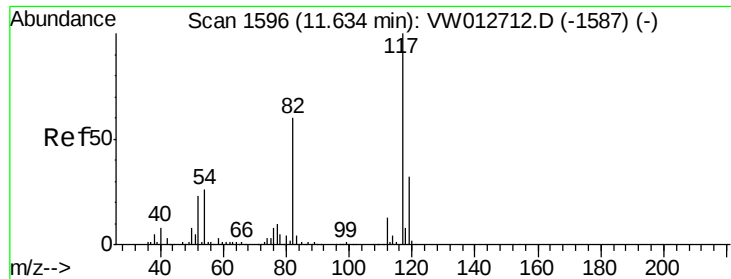
Ion Ratio Lower Upper

95 100

174 74.0 0.0 161.0

176 74.6 0.0 156.4





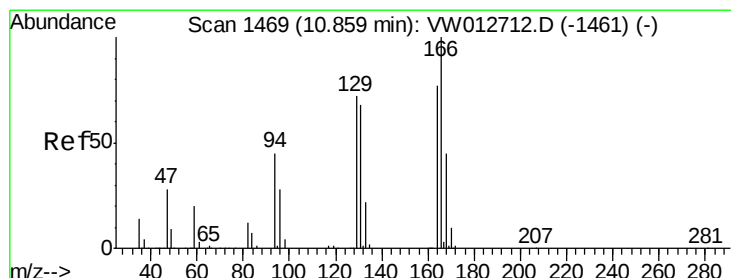
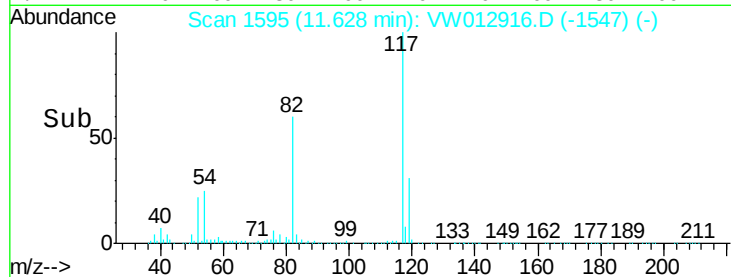
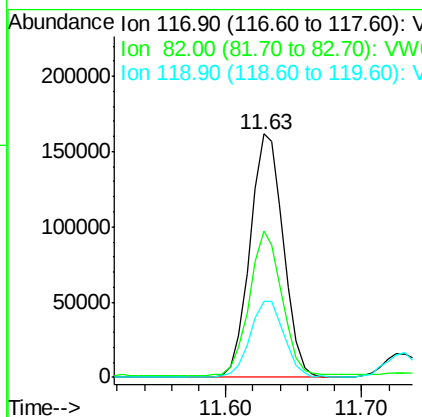
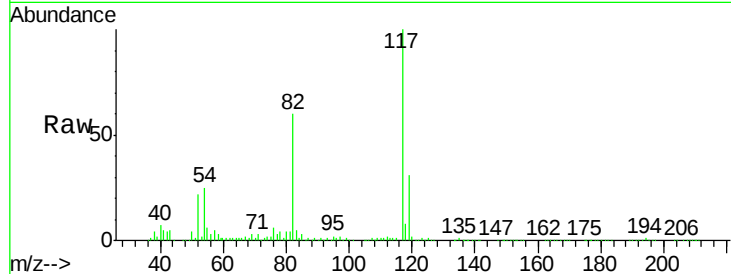
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1595
Delta R.T. -0.01 min
Lab File: VW012916.D
Acq: 11 Sep 2019 14:43

Instrument :
MSVOA_W
ClientSampleId :
VW0911SBSD01

Tot Ion	Ratio	Resp	Lower	Upper
117	100	277268		
82	59.4	48.2	72.4	
119	30.8	25.8	38.6	

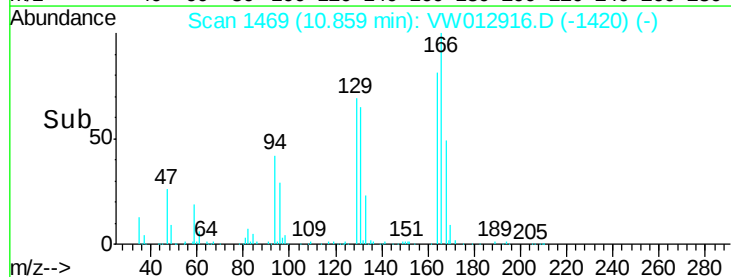
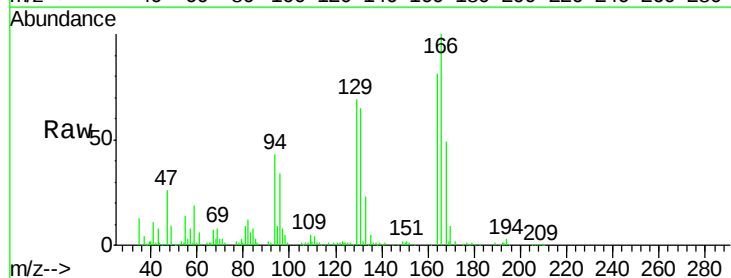
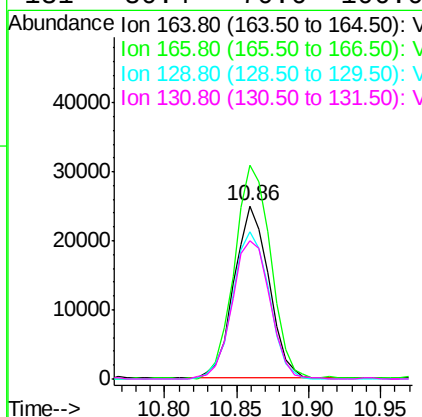
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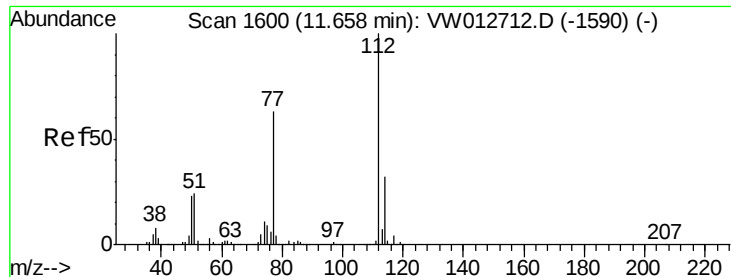
MMDadoda
9/13/2019 1:32:23 AM



#64
Tetrachloroethene
Concen: 25.007 ug/l
RT: 10.86 min Scan# 1469
Delta R.T. -0.00 min
Lab File: VW012916.D
Acq: 11 Sep 2019 14:43

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	42071		
166	123.1	103.6	155.4	
129	85.5	74.6	112.0	
131	80.4	70.6	106.0	





#65

Chlorobenzene

Concen: 22.897 ug/l

RT: 11.66 min Scan# 1600

Delta R.T. -0.00 min

Lab File: VW012916.D

Acq: 11 Sep 2019 14:43

Instrument :

MSVOA_W

ClientSampleId :

VW0911SBSD01

Tot Ion:112 Resp: 119992

Ion Ratio Lower Upper

112 100

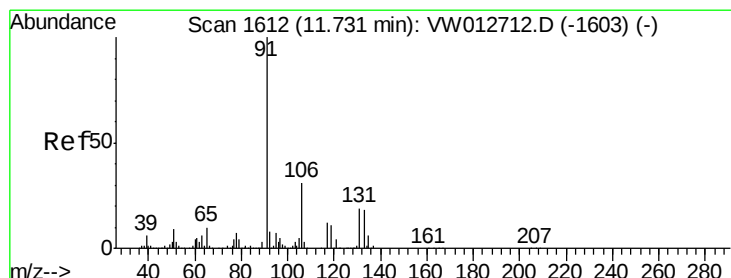
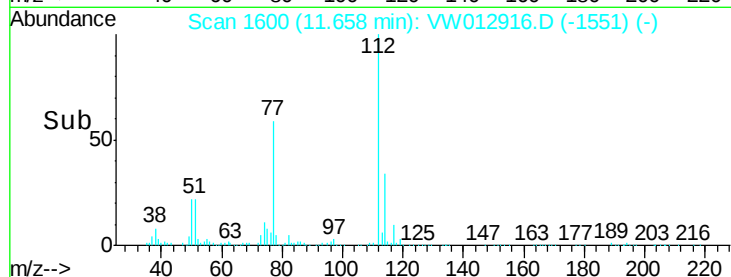
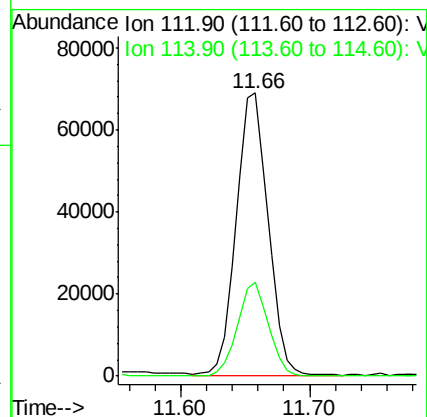
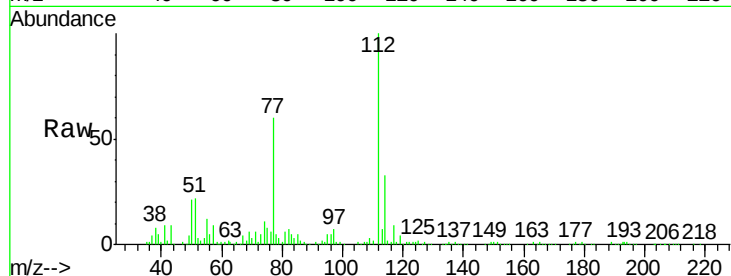
114 33.4 25.3 37.9

Manual Integrations

APPROVED

MMDadoda

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#66

1,1,1,2-Tetrachloroethane

Concen: 21.561 ug/l

RT: 11.73 min Scan# 1612

Delta R.T. -0.00 min

Lab File: VW012916.D

Acq: 11 Sep 2019 14:43

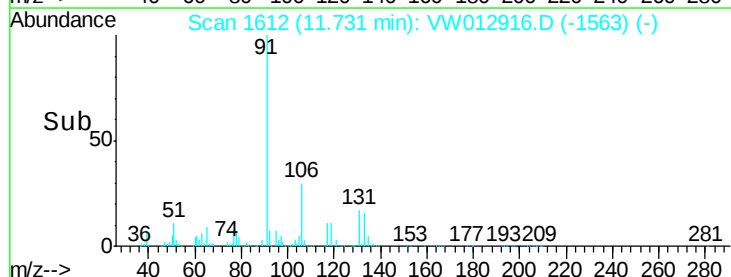
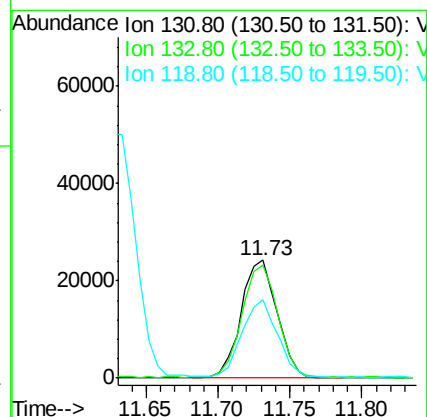
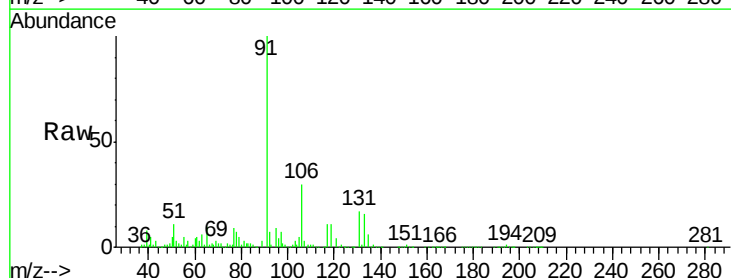
Tgt Ion:131 Resp: 42078

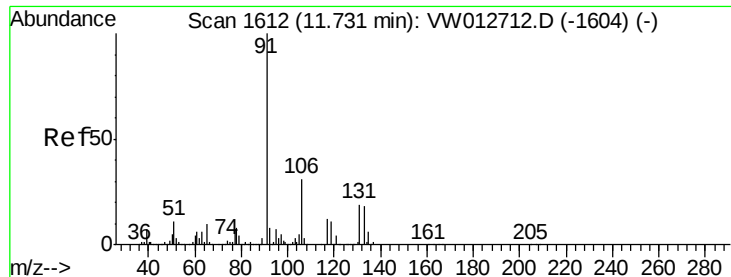
Ion Ratio Lower Upper

131 100

133 94.2 47.6 142.8

119 65.1 30.6 92.0





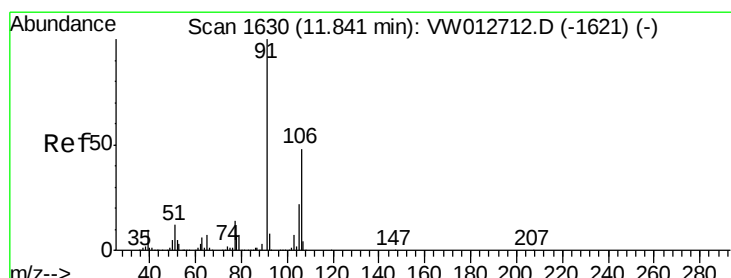
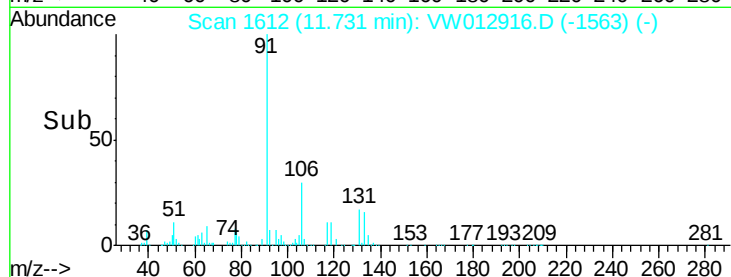
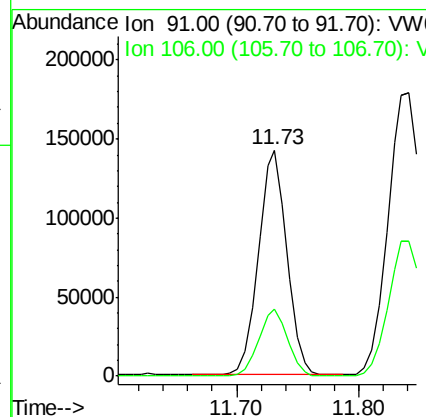
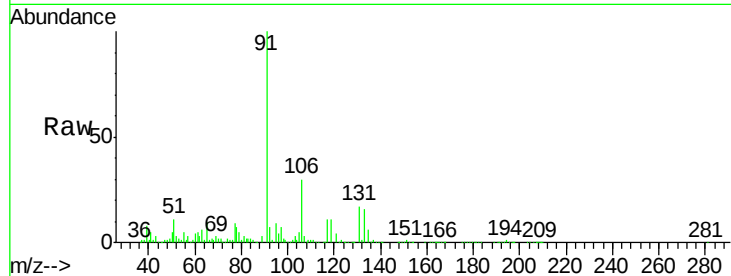
#67
Ethyl Benzene
Concen: 23.341 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. -0.00 min
Lab File: VW012916.D
Acq: 11 Sep 2019 14:43

Instrument :
MSVOA_W
ClientSampleId :
VW0911SBSD01

Tot Ion: 91 Resp: 229496
Ion Ratio Lower Upper
91 100
106 29.8 24.4 36.6

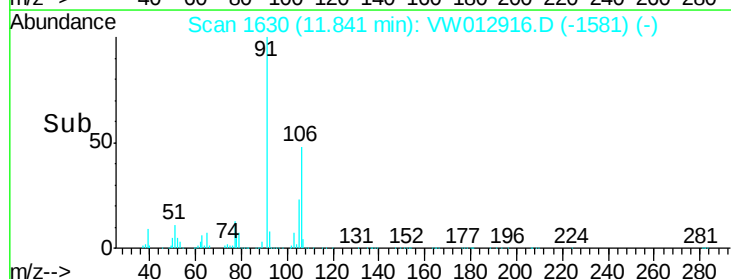
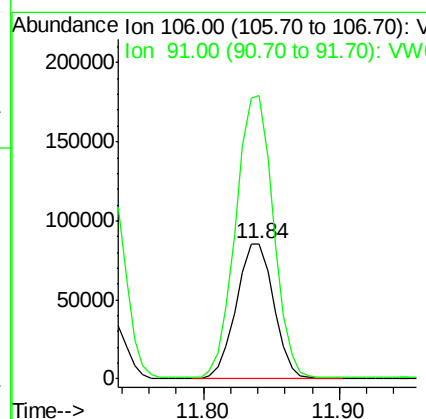
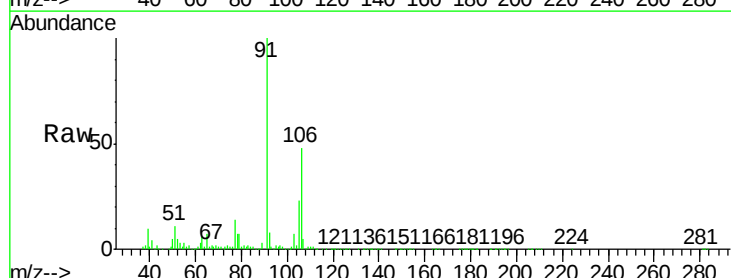
Manual Integrations
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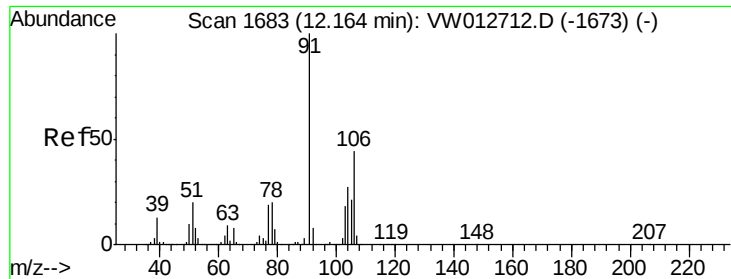
MMDadoda
9/13/2019 1:32:23 AM



#68
m/p-Xylenes
Concen: 46.448 ug/l
RT: 11.84 min Scan# 1630
Delta R.T. -0.00 min
Lab File: VW012916.D
Acq: 11 Sep 2019 14:43

Tgt Ion: 106 Resp: 164847
Ion Ratio Lower Upper
106 100
91 208.2 168.2 252.4





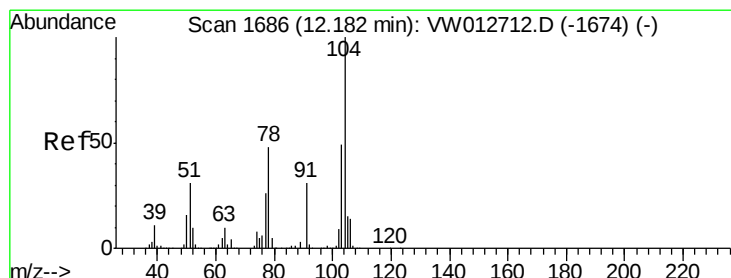
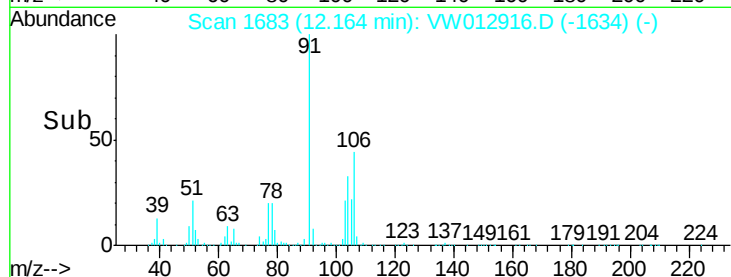
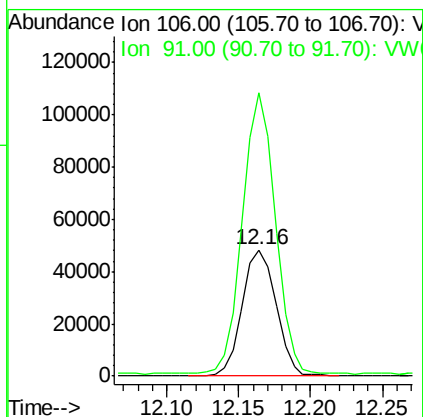
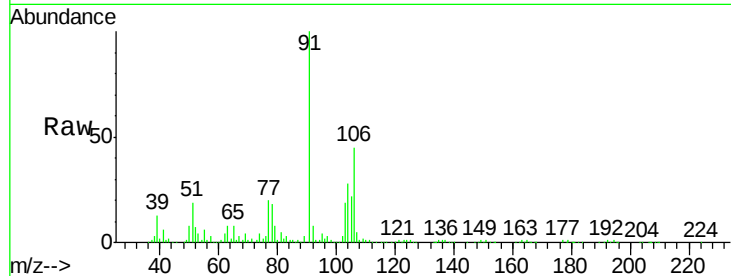
#69
o-Xylene
Concen: 23.377 ug/l
RT: 12.16 min Scan# 1683
Delta R.T. -0.00 min
Lab File: VW012916.D
Acq: 11 Sep 2019 14:43

Instrument :
MSVOA_W
ClientSampleId :
VW0911SBSD01

Tot Ion:106 Resp: 78271
Ion Ratio Lower Upper
106 100
91 216.3 112.3 336.8

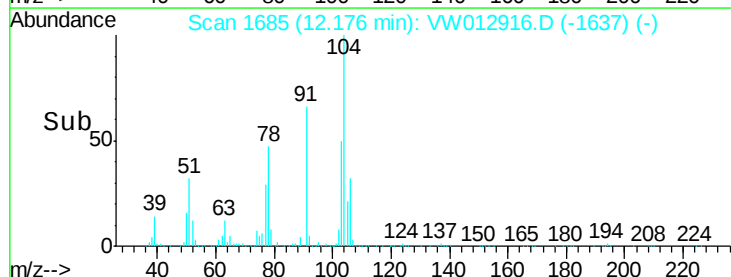
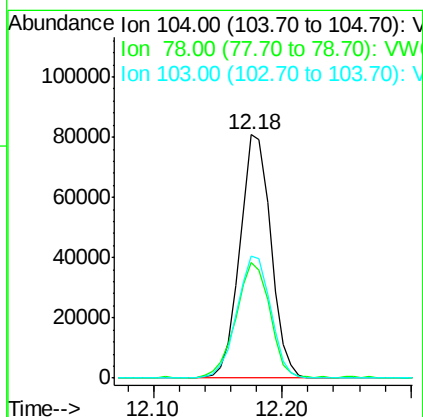
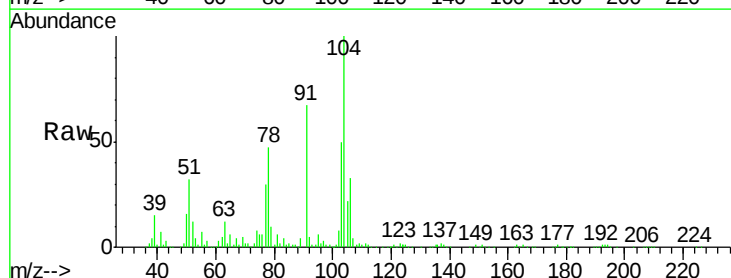
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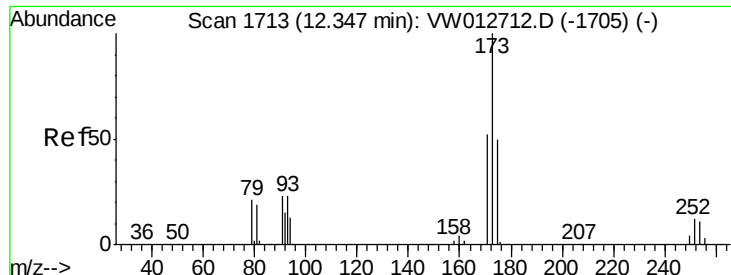
MMDadoda
9/13/2019 1:32:23 AM



#70
Styrene
Concen: 22.720 ug/l
RT: 12.18 min Scan# 1685
Delta R.T. -0.01 min
Lab File: VW012916.D
Acq: 11 Sep 2019 14:43

Tgt Ion:104 Resp: 134422
Ion Ratio Lower Upper
104 100
78 52.4 43.3 64.9
103 54.6 44.0 66.0





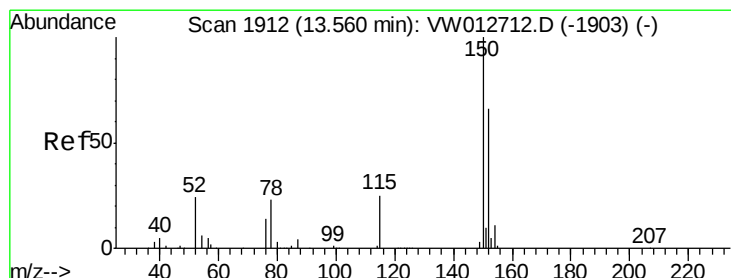
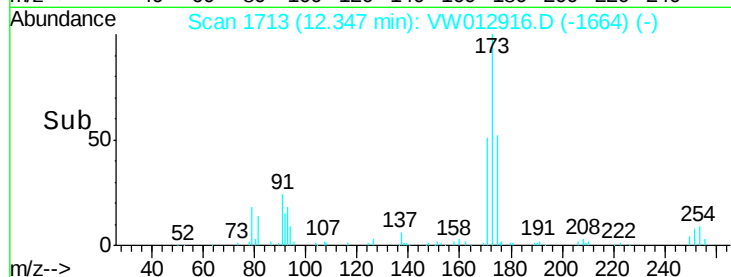
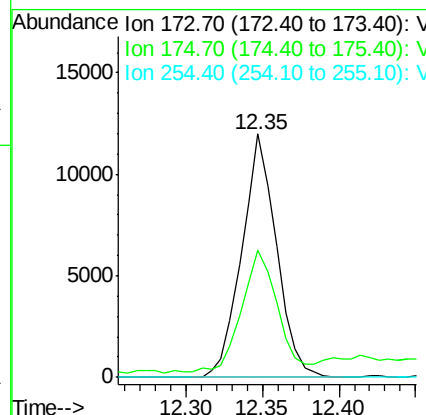
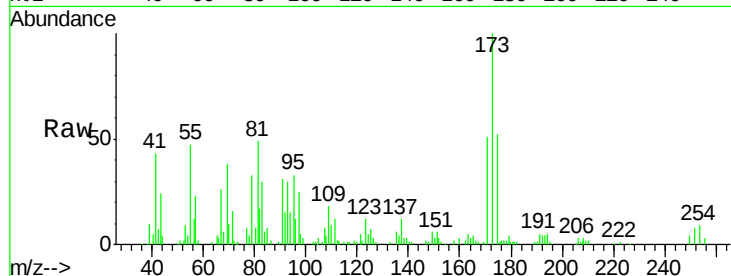
#71
Bromoform
Concen: 17.400 ug/l
RT: 12.35 min Scan# 1713
Delta R.T. -0.00 min
Lab File: VW012916.D
Acq: 11 Sep 2019 14:43

Instrument :
MSVOA_W
ClientSampleId :
VW0911SBSD01

Tot Ion	Ratio	Lower	Upper
173	100		
175	51.3	24.8	74.3
254	0.0	0.1	0.1#

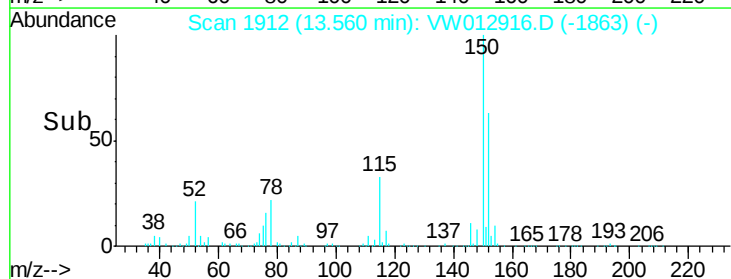
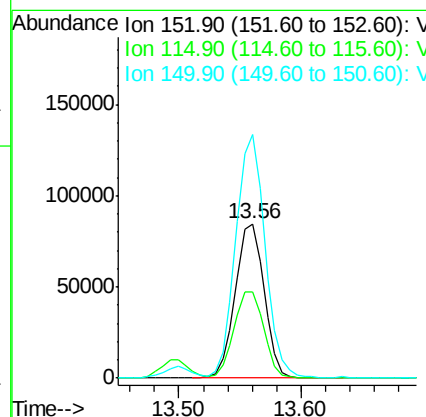
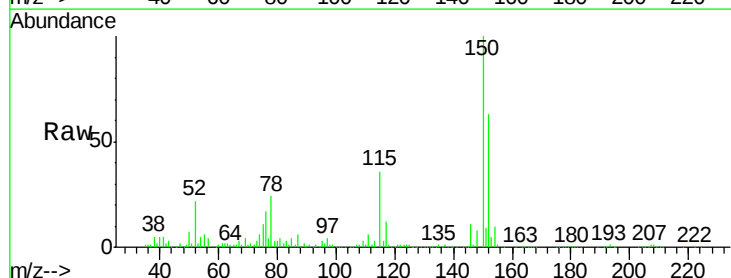
Manual Integrations
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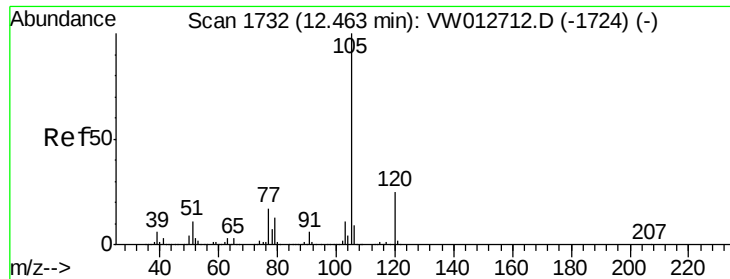
MMDadoda
9/13/2019 1:32:23 AM



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.56 min Scan# 1912
Delta R.T. -0.00 min
Lab File: VW012916.D
Acq: 11 Sep 2019 14:43

Tgt Ion	Ratio	Lower	Upper
152	100		
115	57.2	30.0	90.1
150	158.7	0.0	349.0





#73

Isopropylbenzene

Concen: 23.050 ug/l

RT: 12.46 min Scan# 1732

Delta R.T. -0.00 min

Lab File: VW012916.D

Acq: 11 Sep 2019 14:43

Instrument :

MSVOA_W

ClientSampleId :

VW0911SBSD01

Tot Ion:105 Resp: 228092

Ion Ratio Lower Upper

105 100

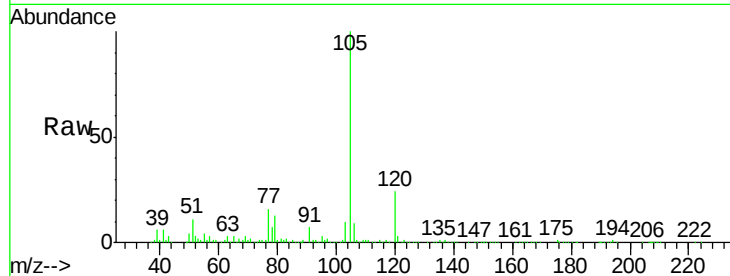
120 25.7 13.0 38.9

Manual Integrations

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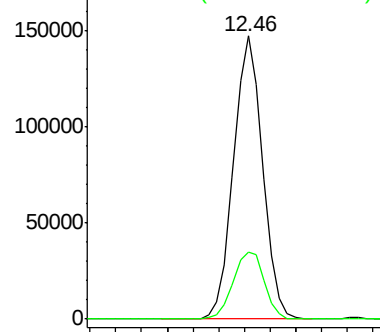
MMDadoda

9/13/2019 1:32:23 AM

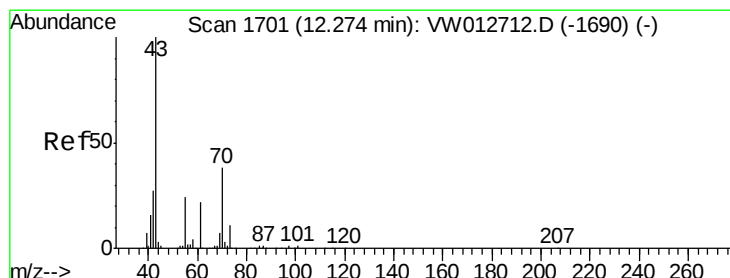
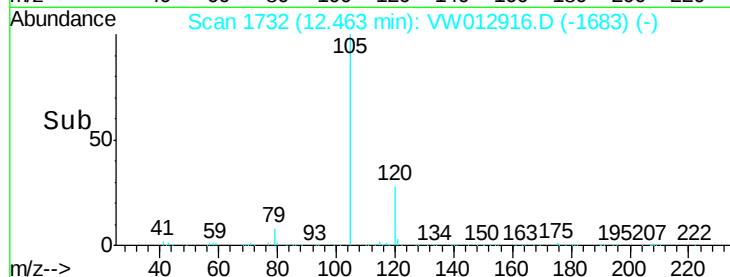


Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



Time-->



#74

N-ethyl acetate

Concen: 19.564 ug/l

RT: 12.27 min Scan# 1701

Delta R.T. -0.00 min

Lab File: VW012916.D

Acq: 11 Sep 2019 14:43

Tgt Ion: 43 Resp: 61451

Ion Ratio Lower Upper

43 100

70 36.4 29.4 44.0

55 31.6 18.6 27.8#

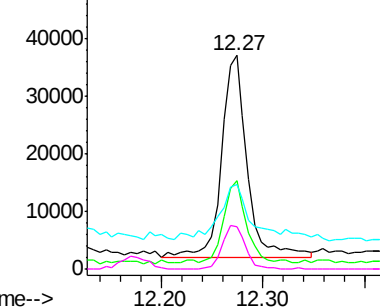
61 19.3 17.8 26.6

Abundance Ion 43.00 (42.70 to 43.70): VW

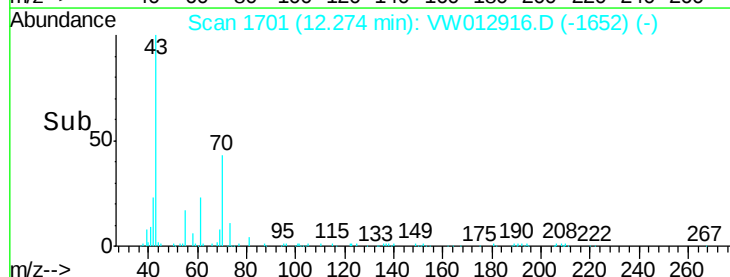
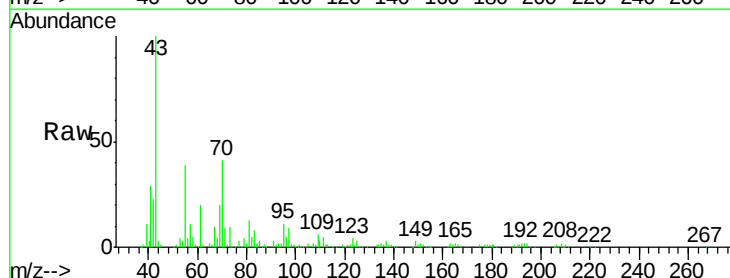
Ion 70.00 (69.70 to 70.70): VW

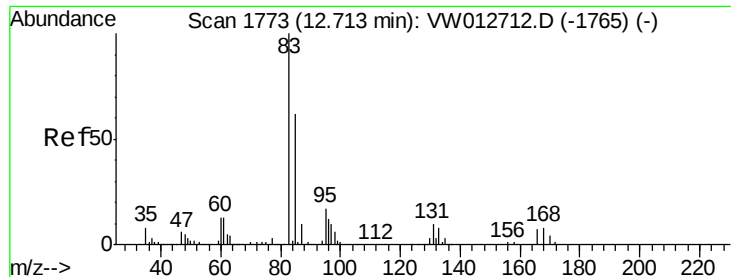
Ion 55.00 (54.70 to 55.70): VW

Ion 61.00 (60.70 to 61.70): VW



Time-->





#75

1,1,2,2-Tetrachloroethane

Concen: 17.831 ug/l

RT: 12.71 min Scan# 1773

Delta R.T. -0.00 min

Lab File: VW012916.D

Acq: 11 Sep 2019 14:43

Instrument :

MSVOA_W

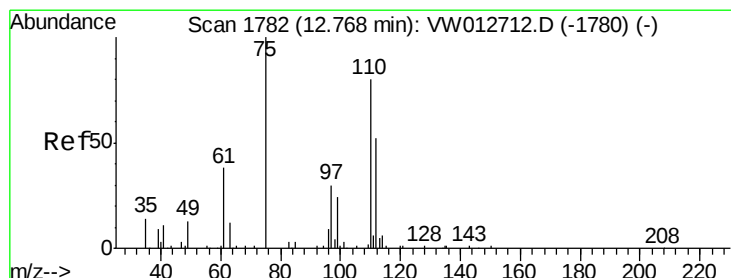
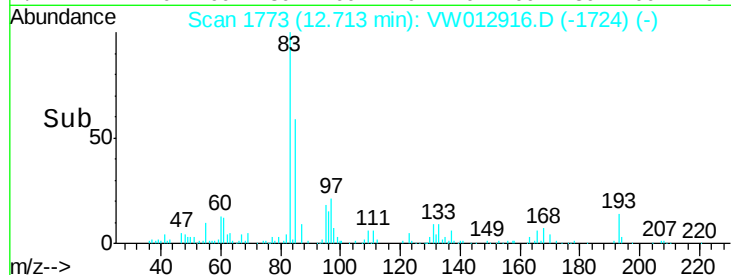
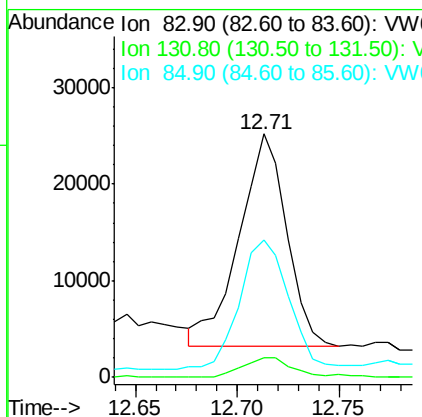
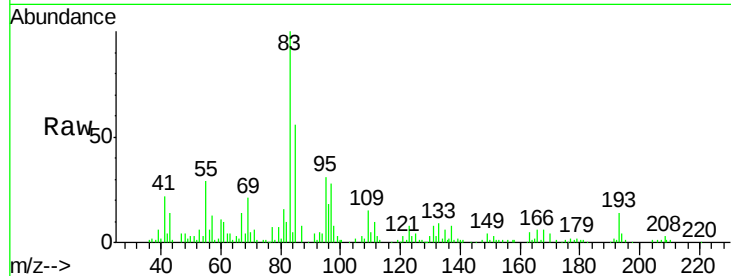
ClientSampleId :

VW0911SBSD01

Tot Ion:	83	Resp:	35435
Ion Ratio	Lower	Upper	
83	100		
131	10.8	5.1	15.4
85	63.8	31.4	94.2

Manual Integrations
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#76

1,2,3-Trichloropropane

Concen: 16.582 ug/l m

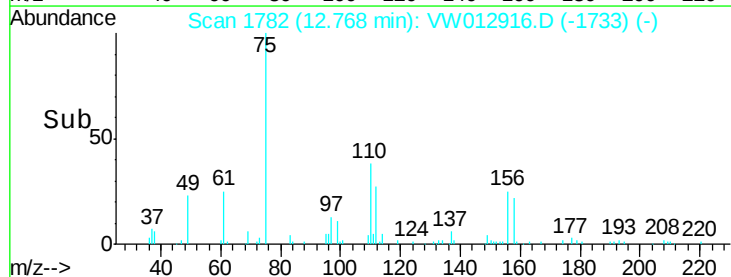
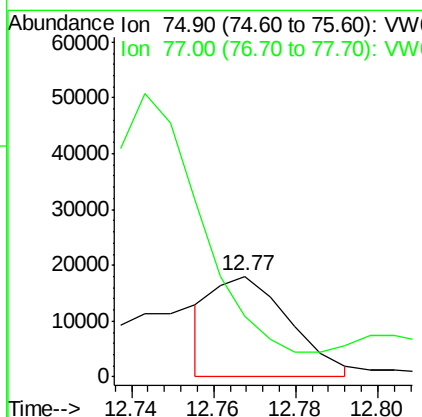
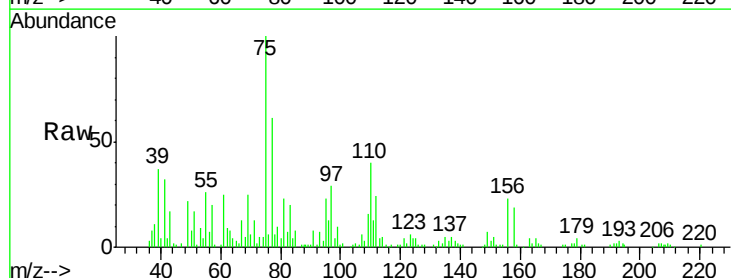
RT: 12.77 min Scan# 1782

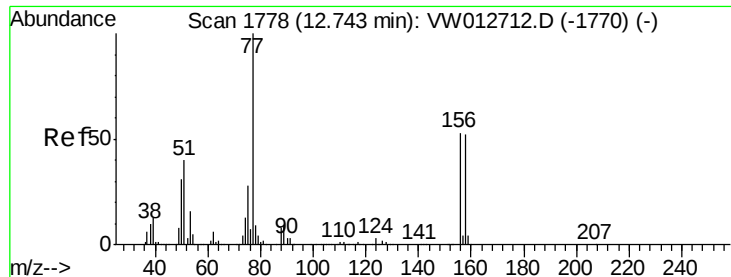
Delta R.T. -0.00 min

Lab File: VW012916.D

Acq: 11 Sep 2019 14:43

Tgt Ion:	75	Resp:	23394
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





#77

Bromobenzene

Concen: 21.945 ug/l

RT: 12.74 min Scan# 1778

Delta R.T. -0.00 min

Lab File: VW012916.D

Acq: 11 Sep 2019 14:43

Instrument :

MSVOA_W

ClientSampleId :

VW0911SBSD01

Tot Ion:156 Resp: 49200

Ion Ratio Lower Upper

156 100

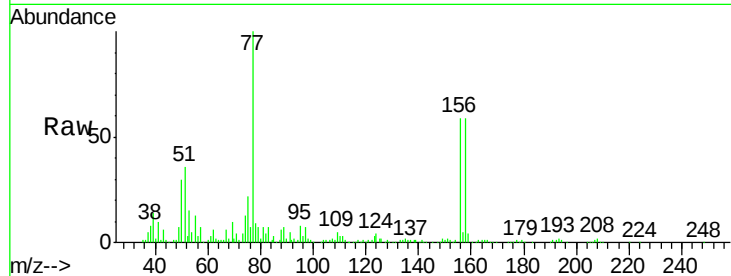
77 181.4 102.3 306.9

158 97.1 48.9 146.8

Manual Integrations
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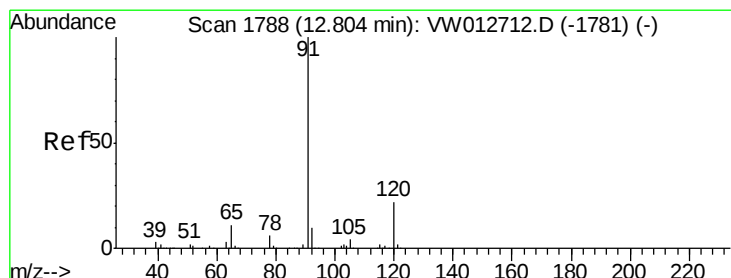
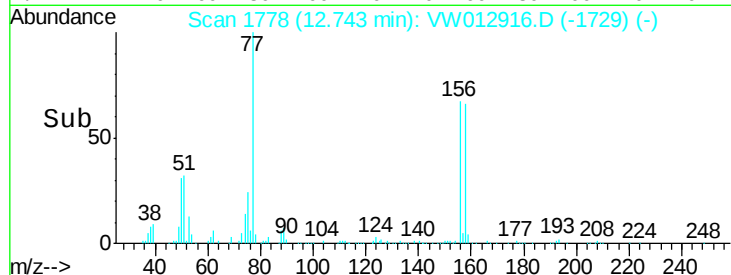
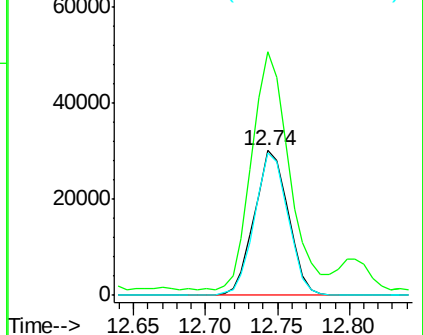
9/13/2019 1:32:23 AM



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VW

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 22.390 ug/l

RT: 12.80 min Scan# 1788

Delta R.T. -0.00 min

Lab File: VW012916.D

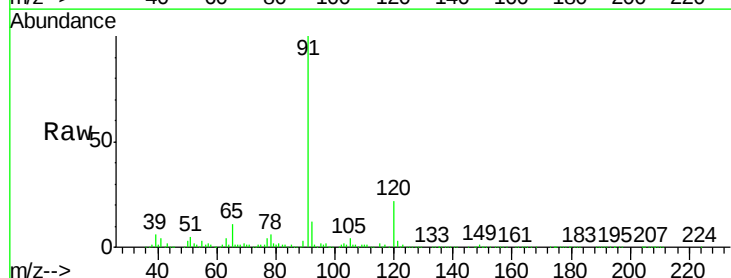
Acq: 11 Sep 2019 14:43

Tgt Ion: 91 Resp: 264983

Ion Ratio Lower Upper

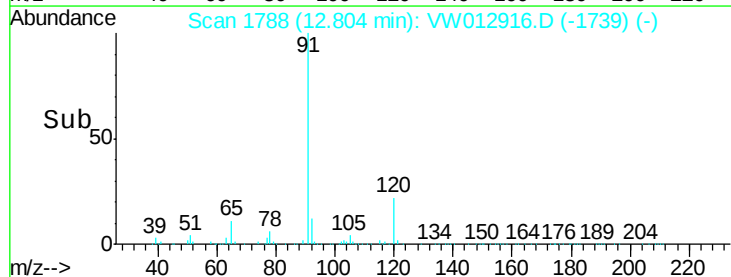
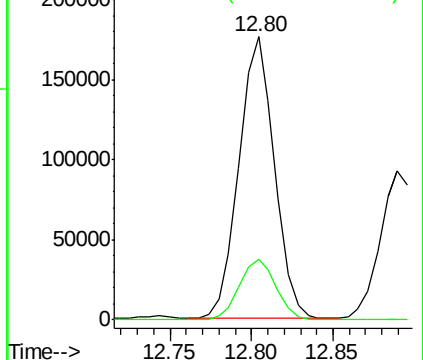
91 100

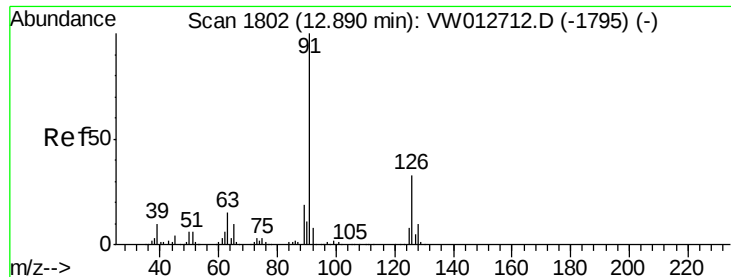
120 22.5 11.0 33.0



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 21.975 ug/l

RT: 12.89 min Scan# 1802

Delta R.T. -0.00 min

Lab File: VW012916.D

Acq: 11 Sep 2019 14:43

Instrument :

MSVOA_W

ClientSampleId :

VW0911SBSD01

Tot Ion: 91 Resp: 149301

Ion Ratio Lower Upper

91 100

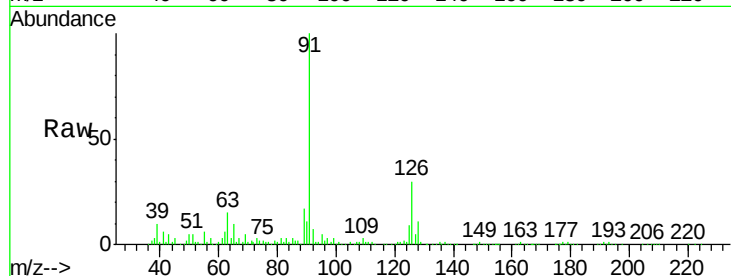
126 31.6 16.1 48.3

Manual Integrations

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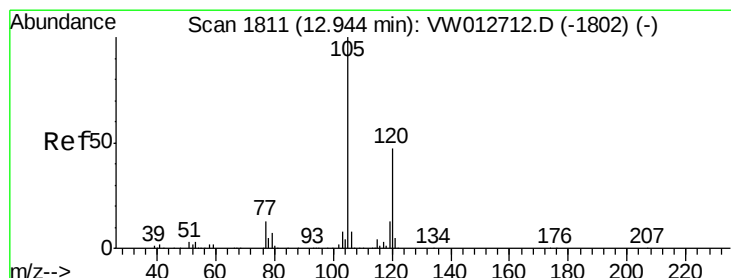
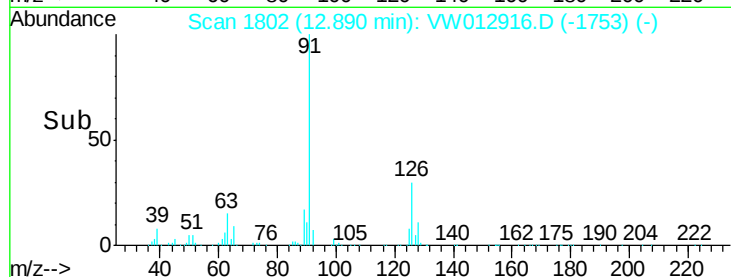
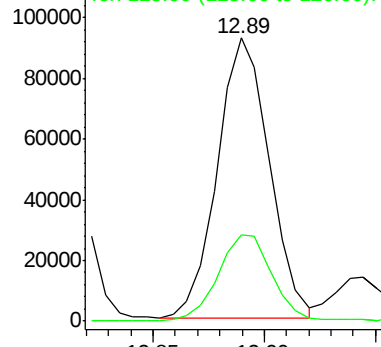
MMDadoda

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Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 125.90 (125.60 to 126.60): V



#80

1,3,5-Trimethylbenzene

Concen: 22.867 ug/l

RT: 12.94 min Scan# 1811

Delta R.T. -0.00 min

Lab File: VW012916.D

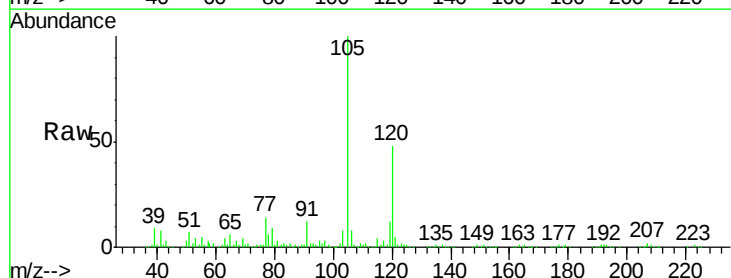
Acq: 11 Sep 2019 14:43

Tgt Ion:105 Resp: 190673

Ion Ratio Lower Upper

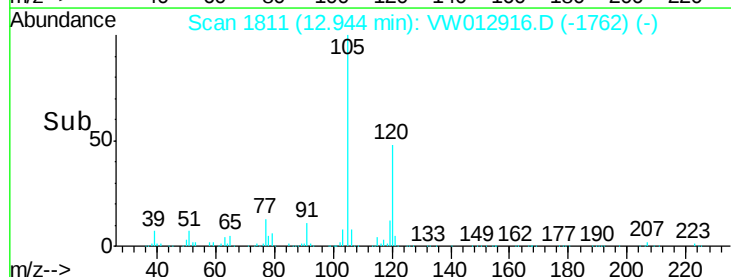
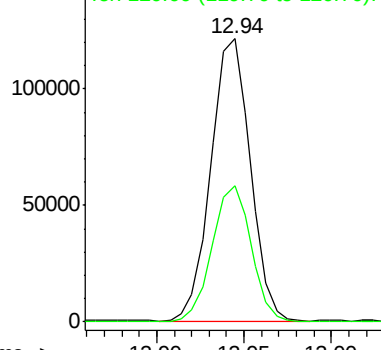
105 100

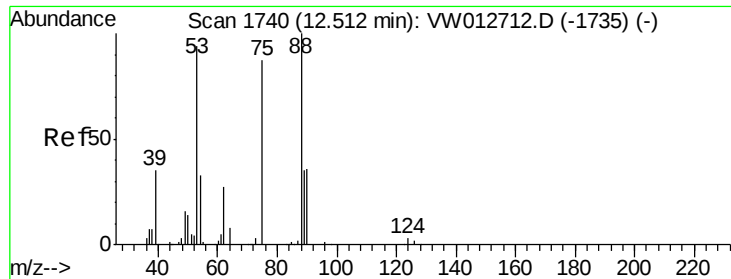
120 48.3 23.9 71.8



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#81

trans-1,4-Dichloro-2-butene

Concen: 16.307 ug/l

RT: 12.51 min Scan# 1740

Delta R.T. -0.00 min

Lab File: VW012916.D

Acq: 11 Sep 2019 14:43

Instrument :

MSVOA_W

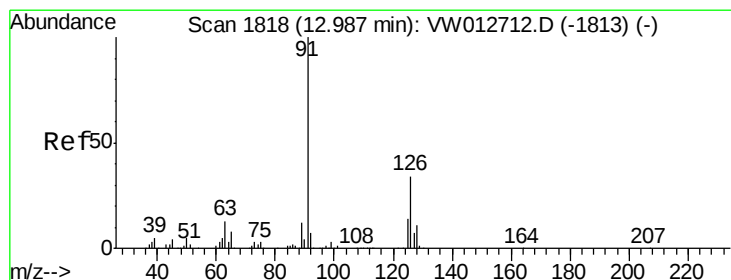
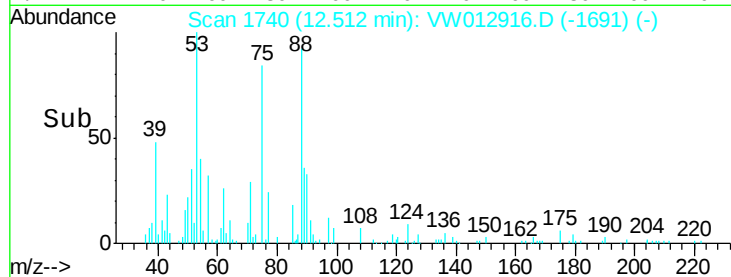
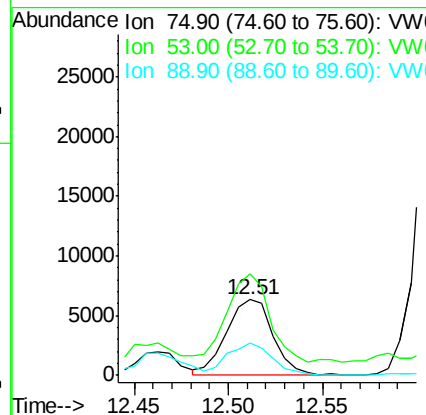
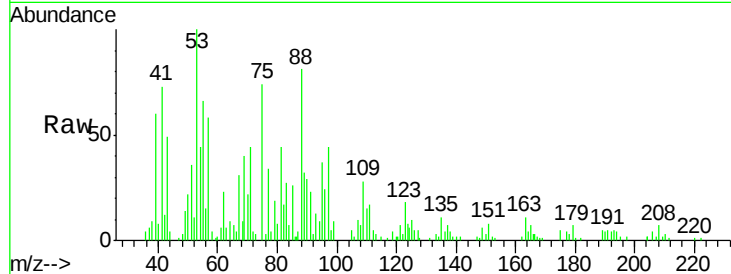
ClientSampleId :

VW0911SBSD01

Tot Ion:	75	Resp:	10877
Ion Ratio	Lower	Upper	
75	100		
53	111.2	87.6	131.4
89	42.2	35.5	53.3

Manual Integrations
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#82

4-Chlorotoluene

Concen: 22.082 ug/l

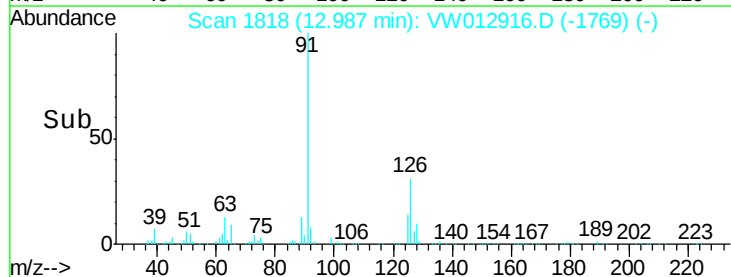
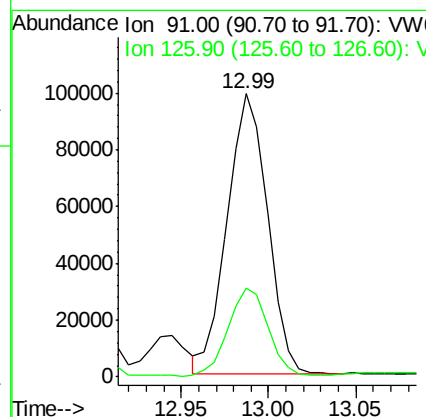
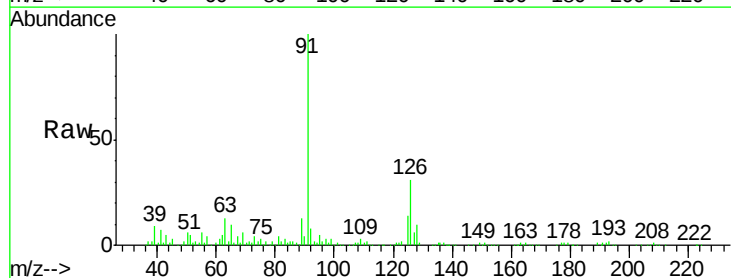
RT: 12.99 min Scan# 1818

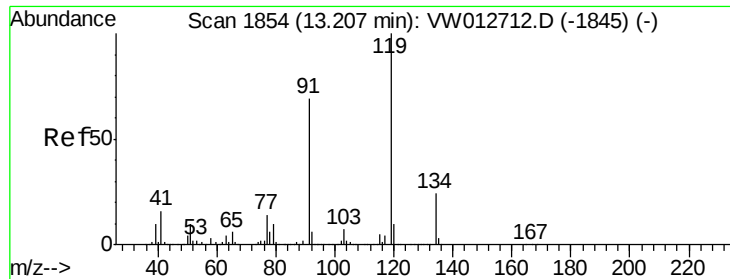
Delta R.T. -0.00 min

Lab File: VW012916.D

Acq: 11 Sep 2019 14:43

Tgt Ion:	91	Resp:	158697
Ion Ratio	Lower	Upper	
91	100		
126	31.6	15.9	47.6





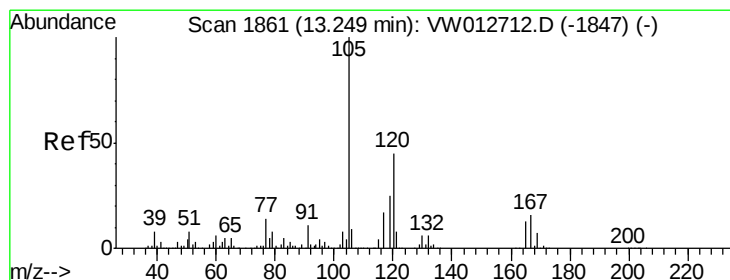
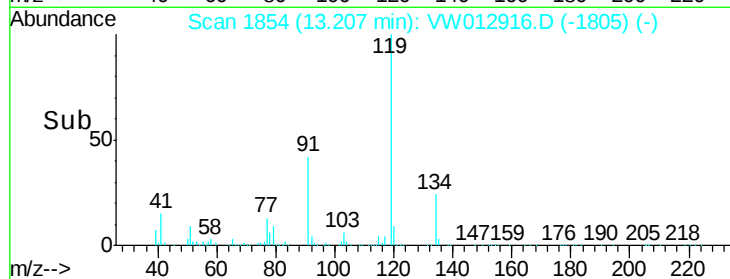
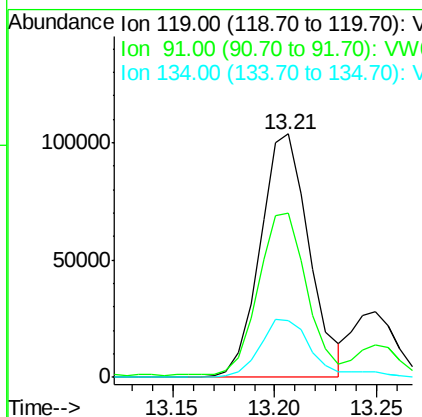
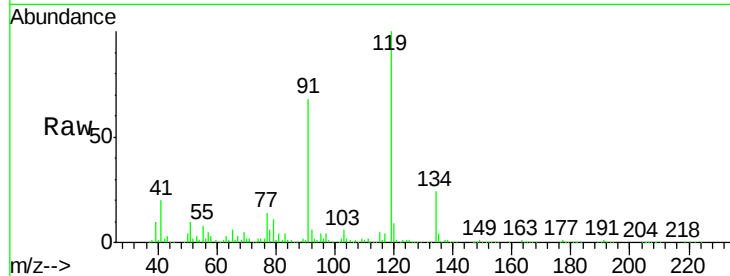
#83
tert-Butylbenzene
Concen: 23.351 ug/l
RT: 13.21 min Scan# 1854
Delta R.T. -0.00 min
Lab File: VW012916.D
Acq: 11 Sep 2019 14:43

Instrument :
MSVOA_W
ClientSampleId :
VW0911SBSD01

Tot Ion	Ratio	Lower	Upper
119	100		
91	66.1	34.2	102.5
134	26.0	12.3	36.9

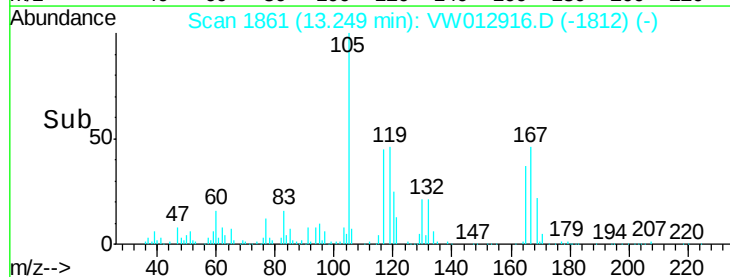
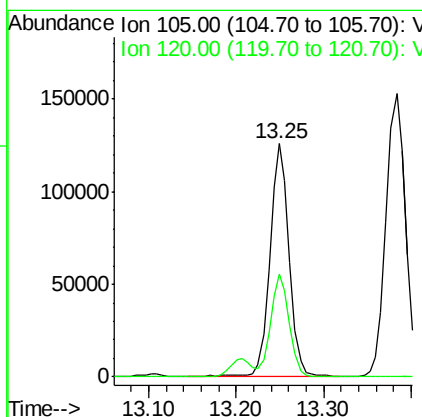
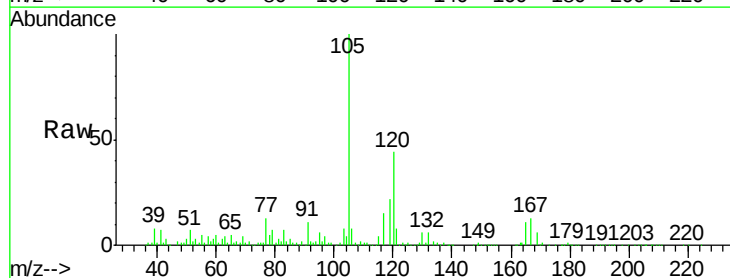
Manual Integrations
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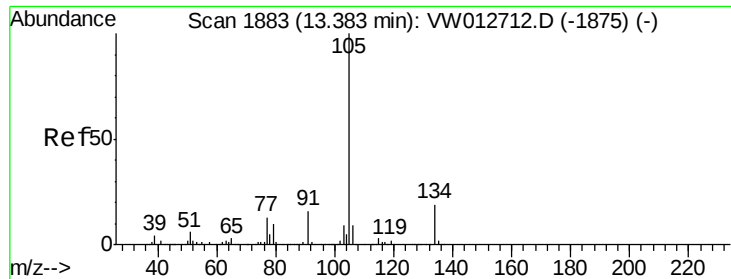
MMDadoda
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#84
1,2,4-Trimethylbenzene
Concen: 22.802 ug/l
RT: 13.25 min Scan# 1861
Delta R.T. -0.00 min
Lab File: VW012916.D
Acq: 11 Sep 2019 14:43

Tgt Ion	Ratio	Lower	Upper
105	100		
120	42.6	22.1	66.3





#85

sec-Butylbenzene

Concen: 22.840 ug/l

RT: 13.38 min Scan# 1883

Delta R.T. -0.00 min

Lab File: VW012916.D

Acq: 11 Sep 2019 14:43

Instrument :

MSVOA_W

ClientSampleId :

VW0911SBSD01

Tot Ion:105 Resp: 233670

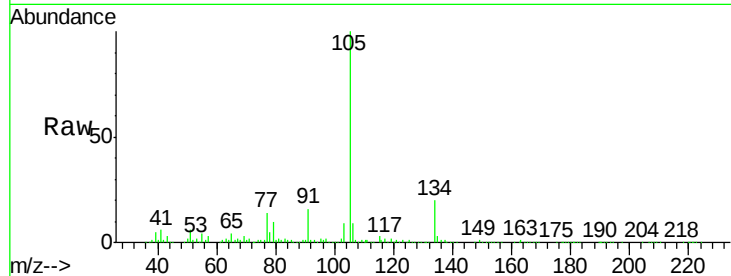
Ion Ratio Lower Upper

105 100

134 20.7 9.8 29.3

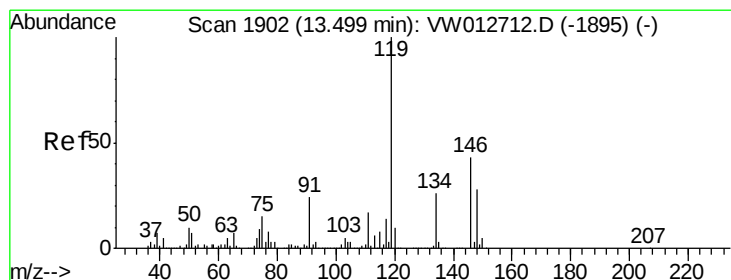
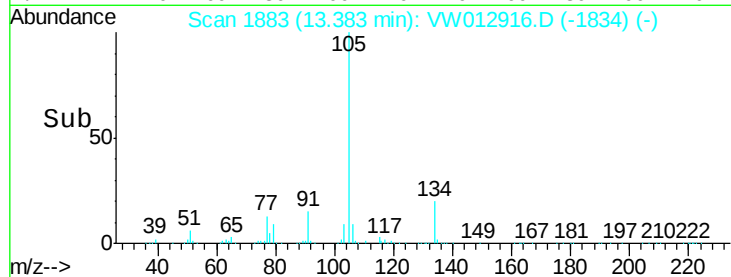
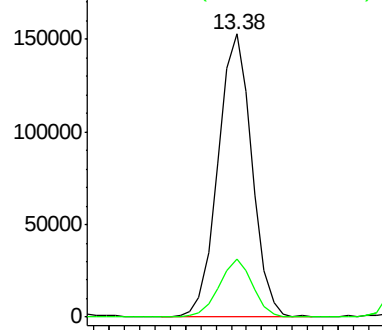
Manual Integrations
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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 23.305 ug/l

RT: 13.50 min Scan# 1902

Delta R.T. -0.00 min

Lab File: VW012916.D

Acq: 11 Sep 2019 14:43

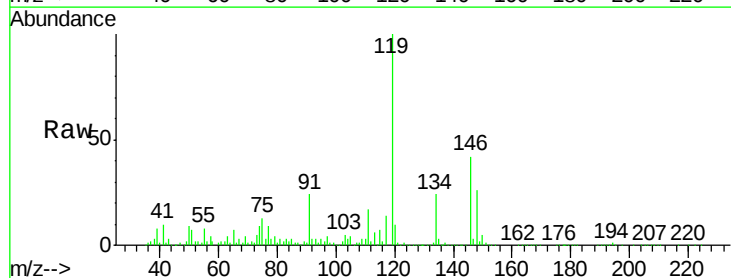
Tgt Ion:119 Resp: 217785

Ion Ratio Lower Upper

119 100

134 25.6 12.7 38.1

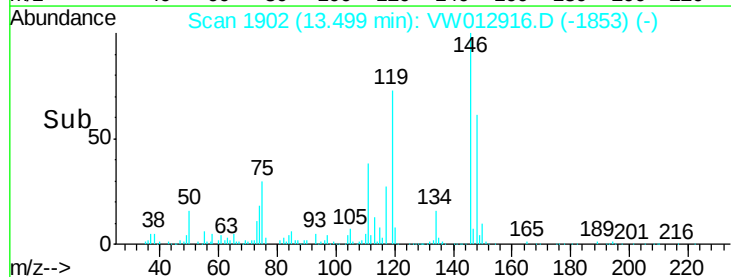
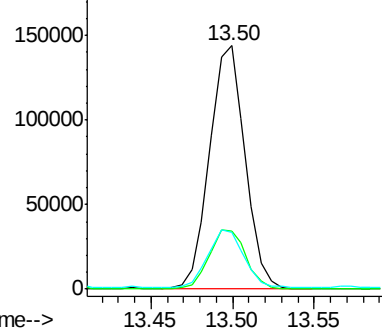
91 24.1 12.2 36.6

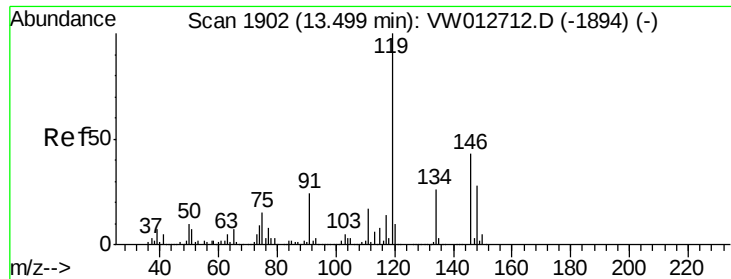


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V





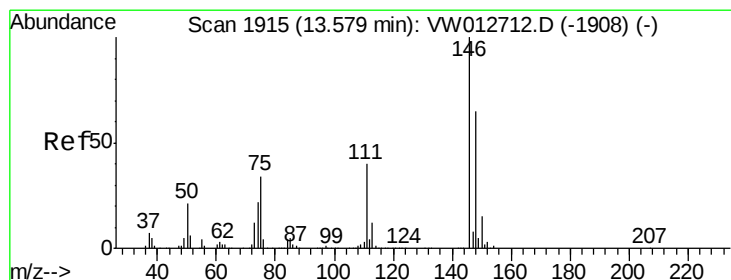
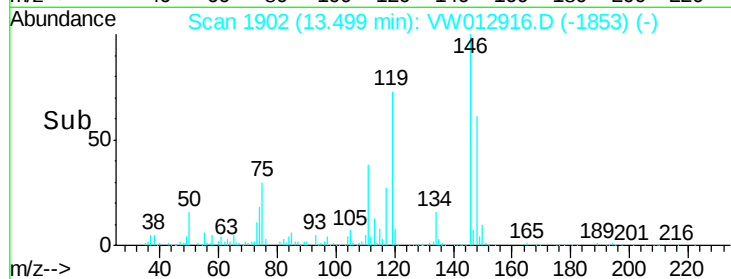
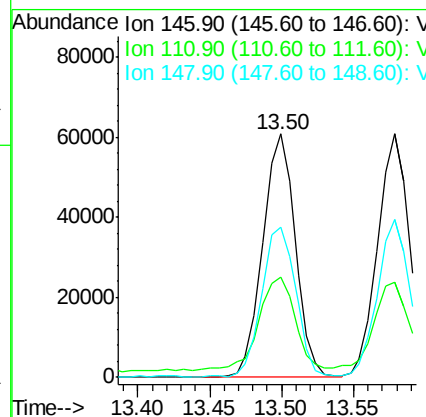
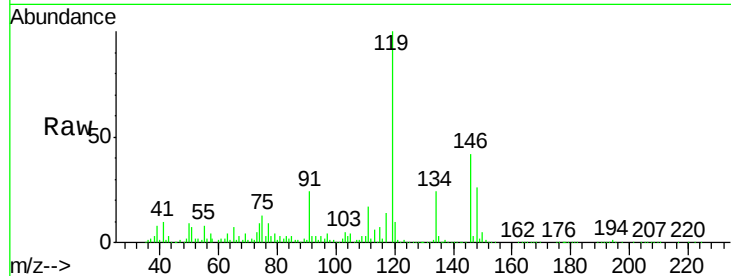
#87
 1,3-Dichlorobenzene
 Concen: 21.618 ug/l
 RT: 13.50 min Scan# 1902
 Delta R.T. -0.00 min
 Lab File: VW012916.D
 Acq: 11 Sep 2019 14:43

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0911SBSD01

Tot Ion	Ratio	Lower	Upper
146	100		
111	42.7	20.4	61.2
148	64.0	31.8	95.4

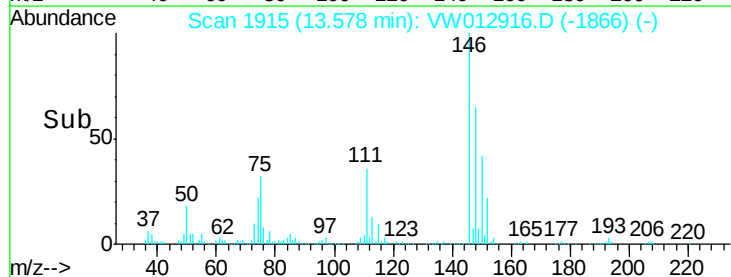
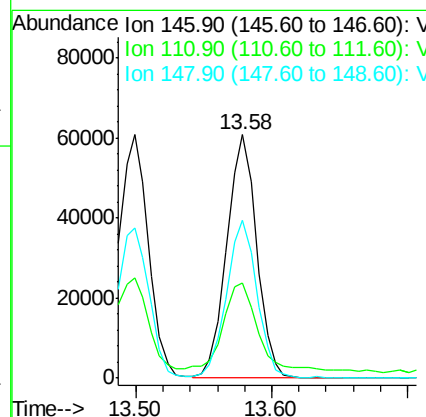
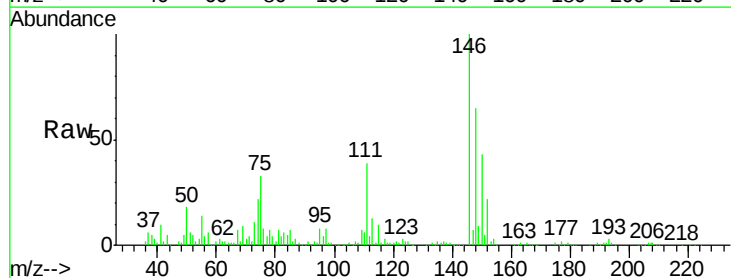
Manual Integrations
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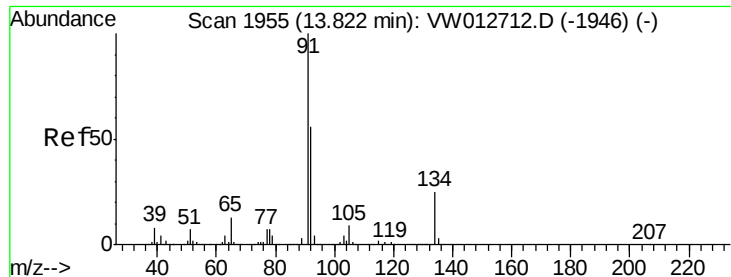
MMDadoda
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#88
 1,4-Dichlorobenzene
 Concen: 21.242 ug/l
 RT: 13.58 min Scan# 1915
 Delta R.T. -0.00 min
 Lab File: VW012916.D
 Acq: 11 Sep 2019 14:43

Tgt Ion	Ratio	Lower	Upper
146	100		
111	44.9	20.0	60.0
148	65.3	32.2	96.6





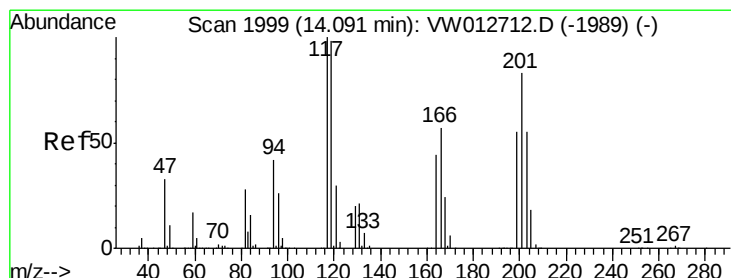
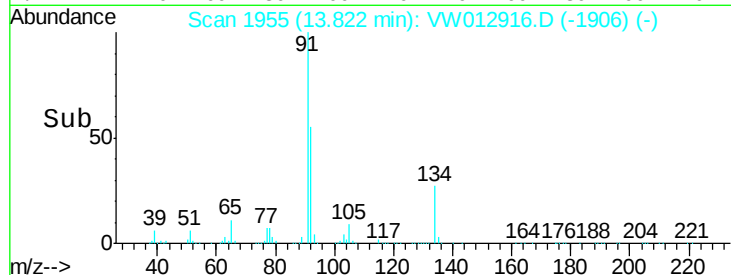
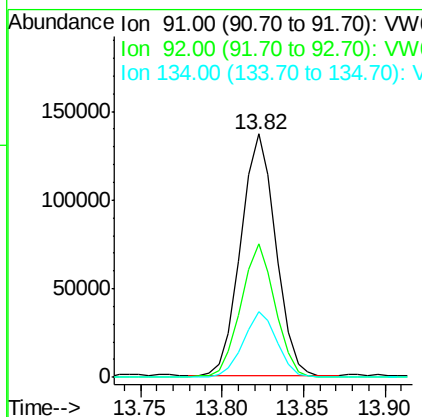
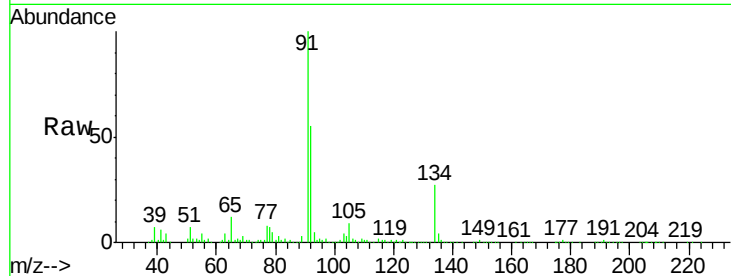
#89
n-Butylbenzene
Concen: 22.319 ug/l
RT: 13.82 min Scan# 1955
Delta R.T. -0.00 min
Lab File: VW012916.D
Acq: 11 Sep 2019 14:43

Instrument :
MSVOA_W
ClientSampleId :
VW0911SBSD01

Tot Ion	Ratio	Resp	Lower	Upper
91	100	202486		
92	54.3		27.2	81.5
134	26.6		12.7	38.1

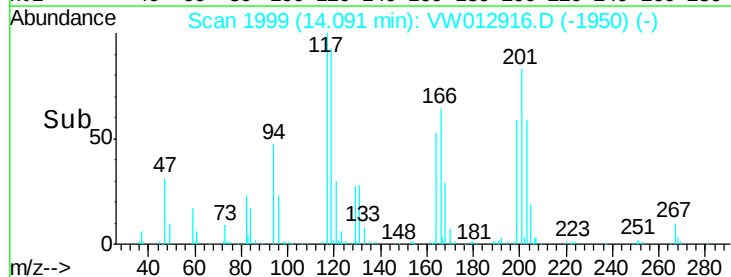
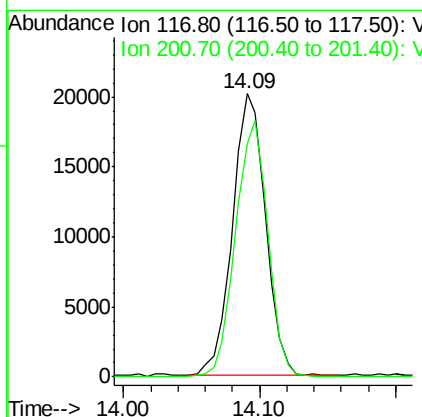
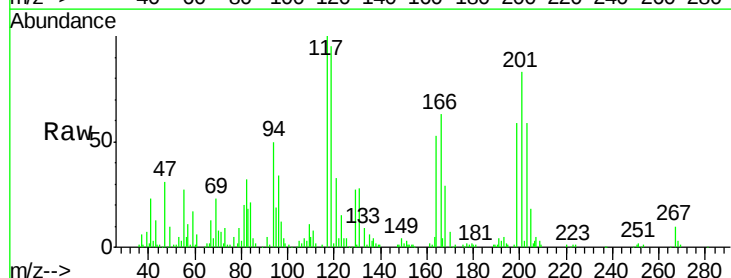
Manual Integrations
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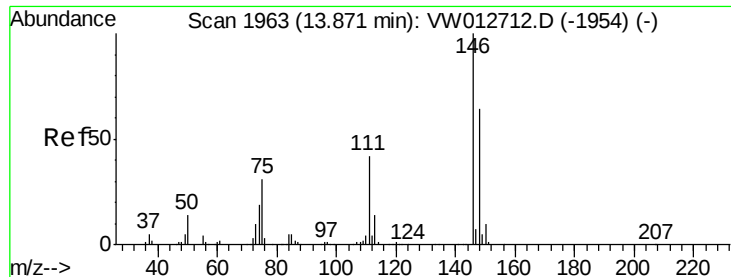
MMDadoda
9/13/2019 1:32:23 AM



#90
Hexachloroethane
Concen: 20.905 ug/l
RT: 14.09 min Scan# 1999
Delta R.T. -0.00 min
Lab File: VW012916.D
Acq: 11 Sep 2019 14:43

Tgt Ion	Ratio	Resp	Lower	Upper
117	100	34105		
201	89.0		42.8	128.4





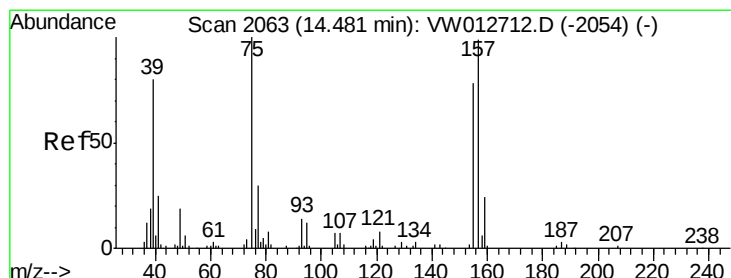
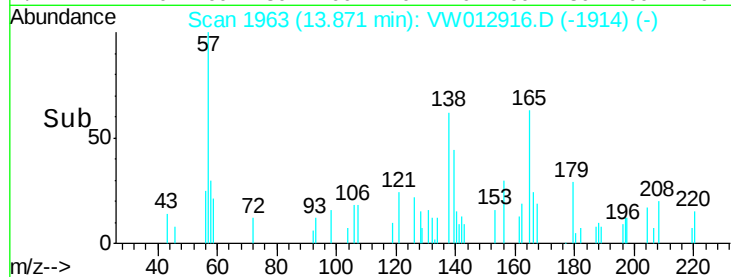
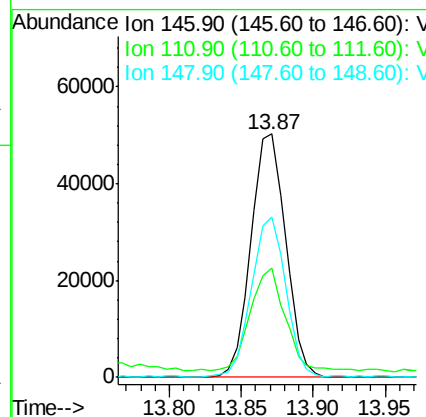
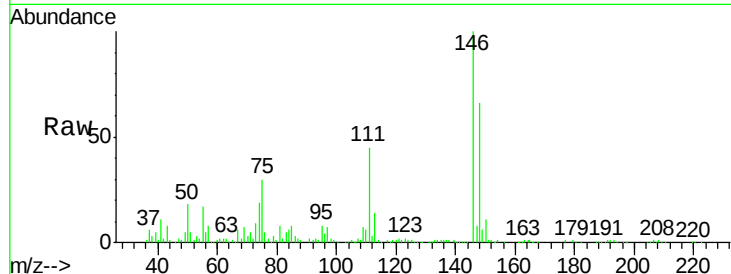
#91
 1,2-Dichlorobenzene
 Concen: 21.168 ug/l
 RT: 13.87 min Scan# 1963
 Delta R.T. -0.00 min
 Lab File: VW012916.D
 Acq: 11 Sep 2019 14:43

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0911SBS01

Tot Ion	Ratio	Lower	Upper
146	100		
111	41.0	21.3	63.9
148	65.1	32.1	96.5

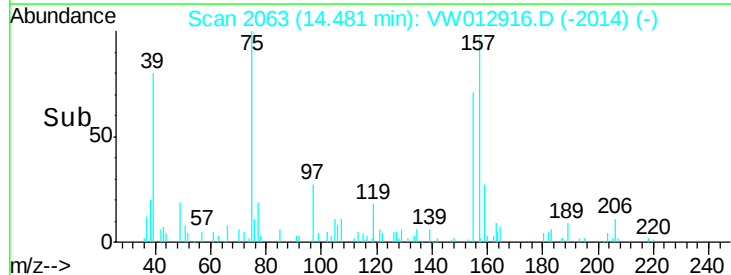
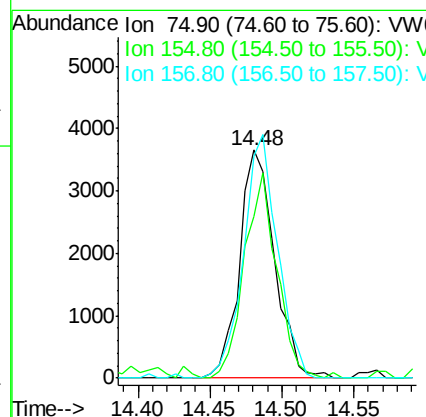
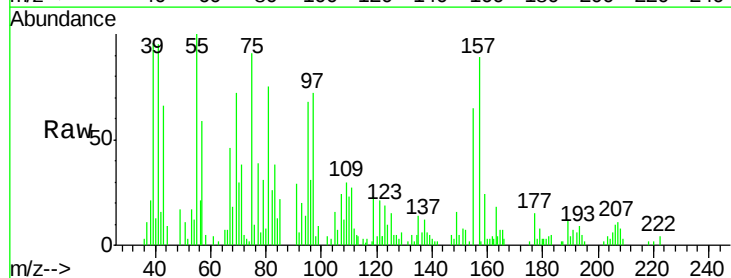
Manual Integrations
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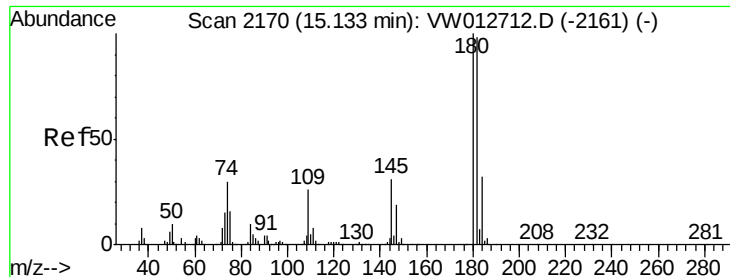
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 16.995 ug/l
 RT: 14.48 min Scan# 2063
 Delta R.T. -0.00 min
 Lab File: VW012916.D
 Acq: 11 Sep 2019 14:43

Tgt Ion	Ratio	Lower	Upper
75	100		
155	83.3	40.6	122.0
157	103.2	52.5	157.5





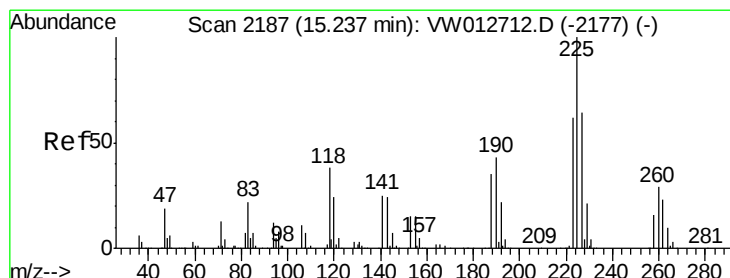
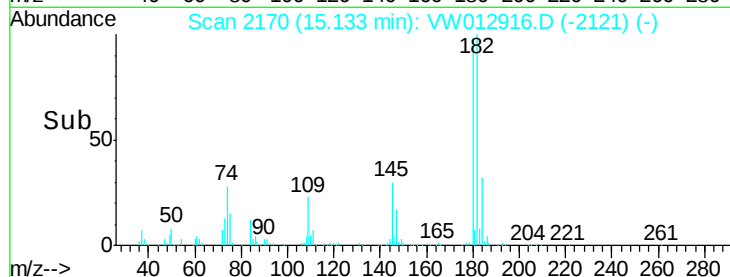
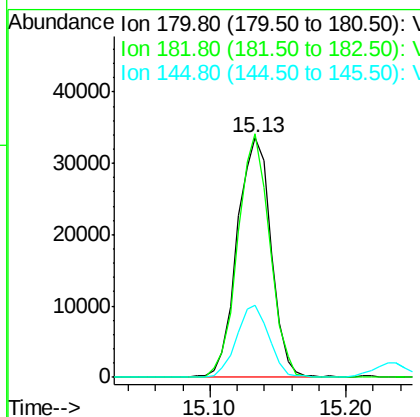
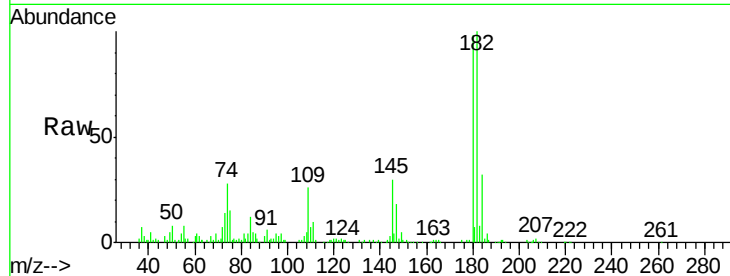
#93
 1,2,4-Trichlorobenzene
 Concen: 21.128 ug/l
 RT: 15.13 min Scan# 2170
 Delta R.T. -0.00 min
 Lab File: VW012916.D
 Acq: 11 Sep 2019 14:43

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0911SBSD01

Tot Ion	Ratio	Resp	Lower	Upper
180	100	58343		
182	95.7	48.7	146.1	
145	29.2	15.0	45.1	

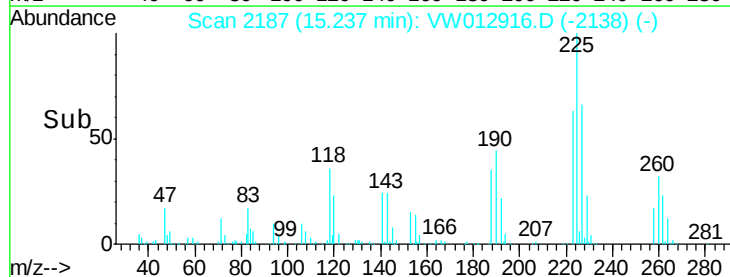
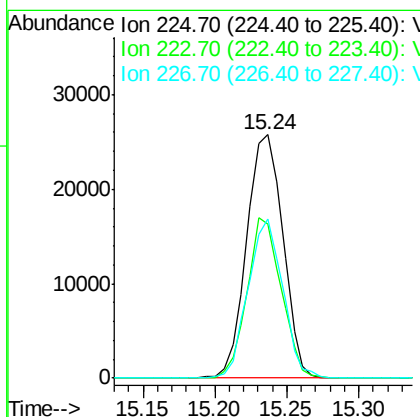
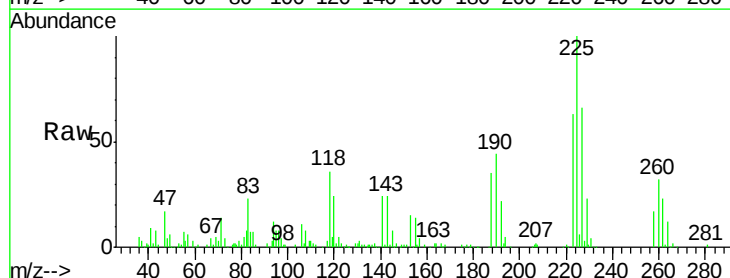
Manual Integrations
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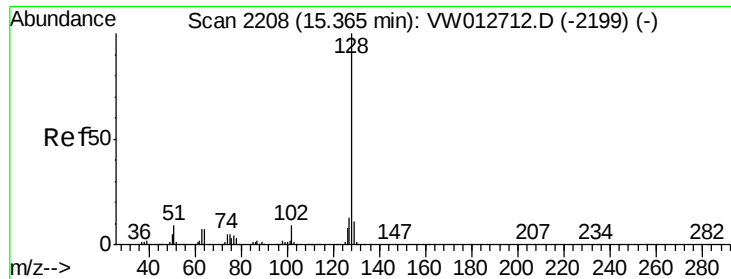
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 9/13/2019 1:32:23 AM



#94
 Hexachlorobutadiene
 Concen: 23.476 ug/l
 RT: 15.24 min Scan# 2187
 Delta R.T. -0.00 min
 Lab File: VW012916.D
 Acq: 11 Sep 2019 14:43

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	44870		
223	62.3	31.1	93.3	
227	62.3	31.4	94.2	





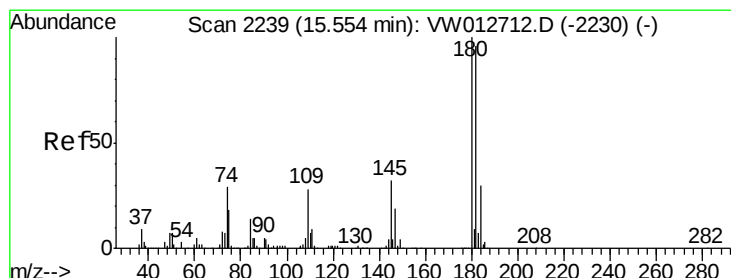
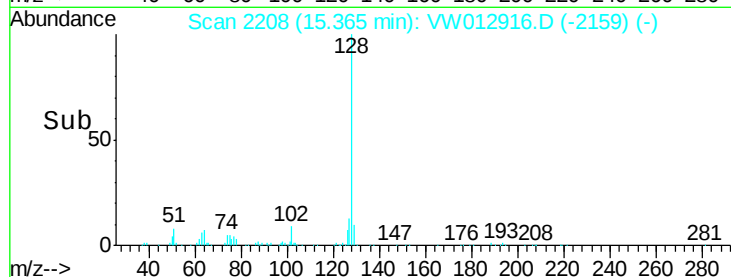
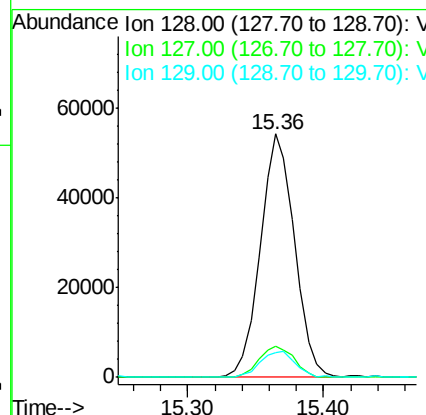
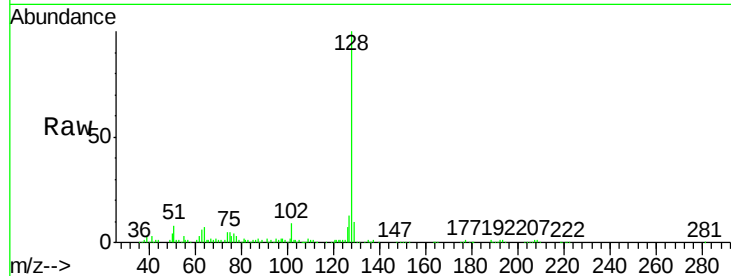
#95
Naphthalene
Concen: 19.456 ug/l
RT: 15.36 min Scan# 2208
Delta R.T. 0.00 min
Lab File: VW012916.D
Acq: 11 Sep 2019 14:43

Instrument :
MSVOA_W
ClientSampleId :
VW0911SBSD01

Tot Ion	Ratio	Lower	Upper
128	100		
127	13.6	10.7	16.1
129	11.1	8.7	13.1

Manual Integrations
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#96
1,2,3-Trichlorobenzene
Concen: 20.593 ug/l
RT: 15.55 min Scan# 2239
Delta R.T. -0.00 min
Lab File: VW012916.D
Acq: 11 Sep 2019 14:43

Tgt Ion	Ratio	Lower	Upper
180	100		
182	96.8	47.8	143.3
145	32.1	15.4	46.2

