

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW090919\
 Data File : VW012816.D
 Acq On : 09 Sep 2019 12:57
 Operator : SY/VA
 Sample : VW0909SBS01
 Misc : 5.00G/5ML/MSVOA W/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0909SBS01

Manual Integrations
 APPROVED

MMDadoda
 9/11/2019 8:15:41 AM

Quant Time: Sep 09 13:23:30 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	238285	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	353701	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	303083	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.55	152	150893	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.30	65	126272	47.43	ug/l	0.00
Spiked Amount	50.000		Recovery	=	94.86%	
35) Dibromofluoromethane	7.88	113	100613	47.85	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.70%	
50) Toluene-d8	10.32	98	419910	50.97	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.94%	
62) 4-Bromofluorobenzene	12.62	95	146213	48.89	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.78%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.01	85	23765	18.397	ug/l	96
3) Chloromethane	2.21	50	33036	21.043	ug/l	95
4) Vinyl Chloride	2.36	62	41681	21.653	ug/l	96
5) Bromomethane	2.77	94	22753	21.767	ug/l	96
6) Chloroethane	2.91	64	24399	21.241	ug/l	91
7) Trichlorofluoromethane	3.25	101	25663	19.320	ug/l	95
8) Diethyl Ether	3.68	74	20592	18.444	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	4.06	101	40425	19.392	ug/l	97
10) Methyl Iodide	4.27	142	51307	19.551	ug/l	98
11) Tert butyl alcohol	5.18	59	17722	86.999	ug/l #	83
12) 1,1-Dichloroethene	4.04	96	37577	19.096	ug/l	92
13) Acrolein	3.90	56	17282	79.947	ug/l	100
14) Allyl chloride	4.66	41	73966	18.170	ug/l	99
15) Acrylonitrile	5.37	53	57233	87.769	ug/l	99
16) Acetone	4.13	43	55744	76.800	ug/l	99
17) Carbon Disulfide	4.38	76	80251	19.213	ug/l	98
18) Methyl Acetate	4.67	43	30818	18.097	ug/l	98
19) Methyl tert-butyl Ether	5.43	73	74466	19.081	ug/l	93
20) Methylene Chloride	4.91	84	43260	19.051	ug/l	98
21) trans-1,2-Dichloroethene	5.42	96	39976	19.910	ug/l	92
22) Diisopropyl ether	6.31	45	149252	18.486	ug/l	95
23) Vinyl Acetate	6.25	43	469935	91.844	ug/l	100
24) 1,1-Dichloroethane	6.21	63	82598	19.000	ug/l	99
25) 2-Butanone	7.17	43	82720	90.988	ug/l	99
26) 2,2-Dichloropropane	7.17	77	51267	18.672	ug/l	95
27) cis-1,2-Dichloroethene	7.16	96	45404	19.502	ug/l	98
28) Bromochloromethane	7.51	49	33903	16.985	ug/l #	92
29) Tetrahydrofuran	7.53	42	50477	86.118	ug/l	96
30) Chloroform	7.68	83	81298	18.870	ug/l	98
31) Cyclohexane	7.95	56	73745	18.843	ug/l	89
32) 1,1,1-Trichloroethane	7.87	97	65550	18.770	ug/l	99
36) 1,1-Dichloropropene	8.08	75	62205	19.793	ug/l	99
37) Ethyl Acetate	7.25	43	33640	16.791	ug/l	98
38) Carbon Tetrachloride	8.07	117	59198	19.109	ug/l	97

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 Quant Title : SW846 8260
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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.34	83	71229	20.180	ug/l	97
40) Benzene	8.32	78	170144	19.513	ug/l	100
41) Methacrylonitrile	7.48	41	20677	17.856	ug/l	93
42) 1,2-Dichloroethane	8.40	62	56074	18.273	ug/l	97
43) Isopropyl Acetate	8.43	43	68099	17.942	ug/l	98
44) Trichloroethene	9.09	130	44715	19.894	ug/l	88
45) 1,2-Dichloropropane	9.37	63	45705	18.899	ug/l	98
46) Dibromomethane	9.46	93	21529	18.799	ug/l	96
47) Bromodichloromethane	9.65	83	58246	18.487	ug/l	98
48) Methyl methacrylate	9.43	41	31014	17.098	ug/l	98
49) 1,4-Dioxane	9.46	88	8154	360.461	ug/l #	73
51) 4-Methyl-2-Pentanone	10.21	43	176484	88.612	ug/l	98
52) Toluene	10.38	92	107501	19.753	ug/l	100
53) t-1,3-Dichloropropene	10.60	75	59506	18.367	ug/l	97
54) cis-1,3-Dichloropropene	10.07	75	68824	18.726	ug/l	98
55) 1,1,2-Trichloroethane	10.79	97	33249	19.393	ug/l	99
56) Ethyl methacrylate	10.65	69	47372	18.876	ug/l	96
57) 1,3-Dichloropropane	10.93	76	58302	18.381	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.92	63	123310	92.551	ug/l	97
59) 2-Hexanone	10.97	43	122619	84.271	ug/l	98
60) Dibromochloromethane	11.13	129	36724	18.213	ug/l	97
61) 1,2-Dibromoethane	11.24	107	29255	18.612	ug/l	98
64) Tetrachloroethene	10.86	164	37123	20.186	ug/l	97
65) Chlorobenzene	11.66	112	113111	19.746	ug/l	97
66) 1,1,1,2-Tetrachloroethane	11.73	131	41843	19.615	ug/l	99
67) Ethyl Benzene	11.73	91	212909	19.810	ug/l	100
68) m/p-Xylenes	11.84	106	155891	40.184	ug/l	100
69) o-Xylene	12.16	106	72824	19.897	ug/l	99
70) Styrene	12.18	104	127158	19.661	ug/l	100
71) Bromoform	12.35	173	22083	18.632	ug/l #	99
73) Isopropylbenzene	12.46	105	212204	19.608	ug/l	100
74) N-amyl acetate	12.27	43	59290	17.259	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.71	83	40155	18.475	ug/l	99
76) 1,2,3-Trichloropropane	12.77	75	32253m	20.903	ug/l	
77) Bromobenzene	12.74	156	47660	19.438	ug/l	96
78) n-propylbenzene	12.80	91	252201	19.485	ug/l	100
79) 2-Chlorotoluene	12.89	91	142793	19.217	ug/l	100
80) 1,3,5-Trimethylbenzene	12.94	105	179921	19.729	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.51	75	12929	17.723	ug/l	98
82) 4-Chlorotoluene	12.99	91	149546	19.027	ug/l	99
83) tert-Butylbenzene	13.21	119	158689	19.680	ug/l	98
84) 1,2,4-Trimethylbenzene	13.25	105	177799	19.349	ug/l	99
85) sec-Butylbenzene	13.38	105	215912	19.296	ug/l	99
86) p-Isopropyltoluene	13.50	119	200068	19.575	ug/l	99
87) 1,3-Dichlorobenzene	13.50	146	92536	19.201	ug/l	99
88) 1,4-Dichlorobenzene	13.58	146	92456	19.279	ug/l	99
89) n-Butylbenzene	13.82	91	187860	18.933	ug/l	99
90) Hexachloroethane	14.09	117	33045	18.521	ug/l	96
91) 1,2-Dichlorobenzene	13.87	146	85744	19.767	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.48	75	6833	17.179	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.13	180	59060	19.556	ug/l	99
94) Hexachlorobutadiene	15.24	225	40983	19.606	ug/l	100
95) Naphthalene	15.36	128	106956	19.834	ug/l	99
96) 1,2,3-Trichlorobenzene	15.55	180	52301	19.619	ug/l	99

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

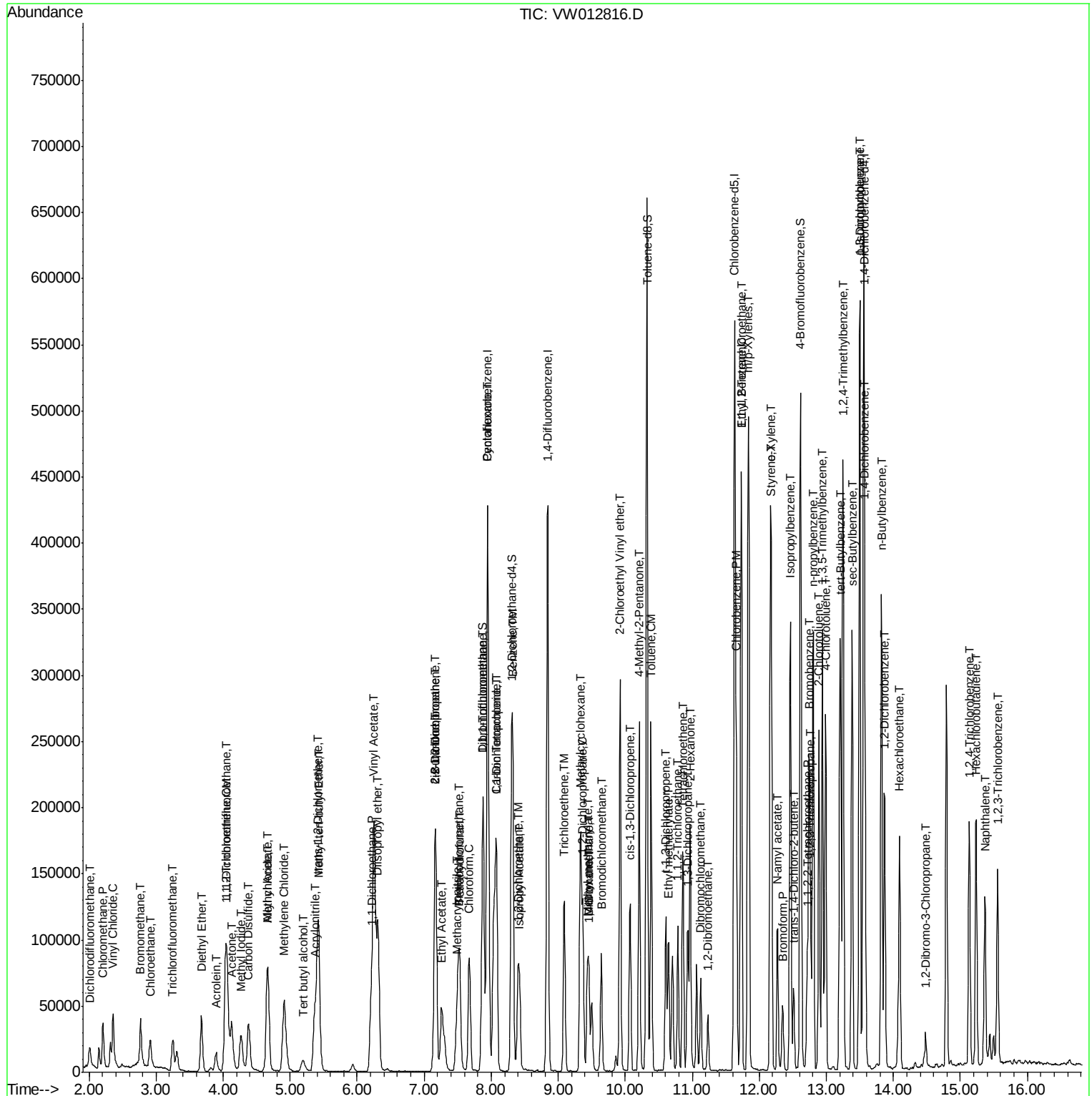
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW090919\
 Data File : VW012816.D
 Acq On : 09 Sep 2019 12:57
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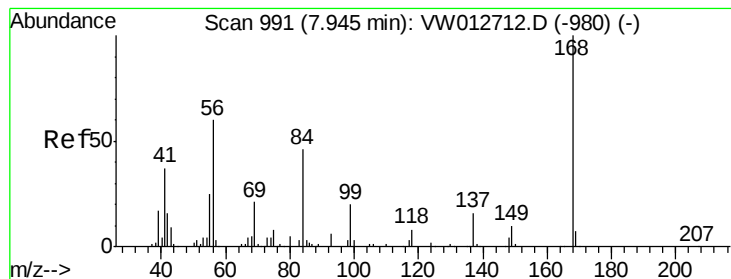
Instrument :
 MSVOA_W
 ClientSampleId :
 VW0909SBSD01

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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: VW012816.D

Acq: 09 Sep 2019 12:57

Instrument :

MSVOA_W

ClientSampleId :

VW0909SBS01

Tot Ion:168 Resp: 238285

Ion Ratio Lower Upper

168 100

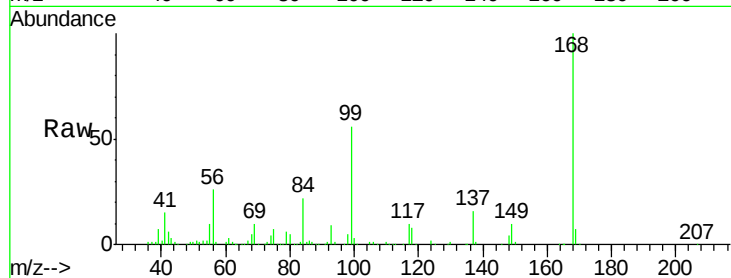
99 55.8 47.8 71.6

Manual Integrations

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9/11/2019 8:15:41 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

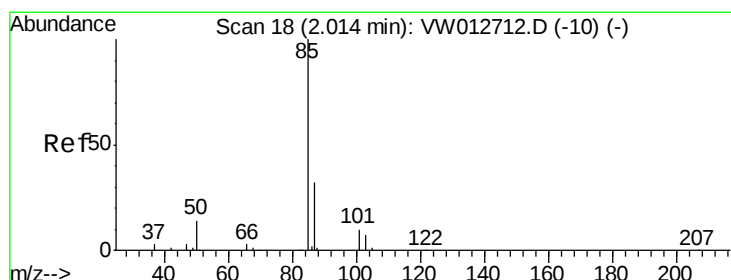
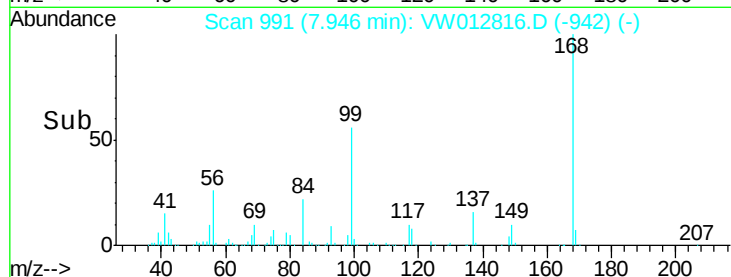
60000

40000

20000

0

Time--> 7.80 7.90 8.00 8.10



#2

Dichlorodifluoromethane

Concen: 18.397 ug/l

RT: 2.01 min Scan# 17

Delta R.T. -0.01 min

Lab File: VW012816.D

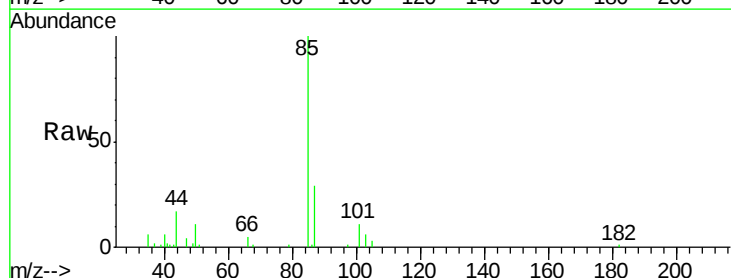
Acq: 09 Sep 2019 12:57

Tgt Ion: 85 Resp: 23765

Ion Ratio Lower Upper

85 100

87 29.4 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

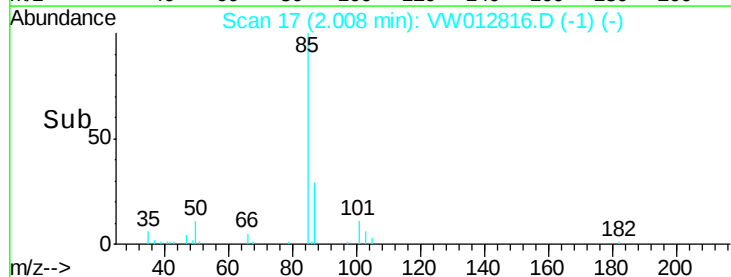
6000

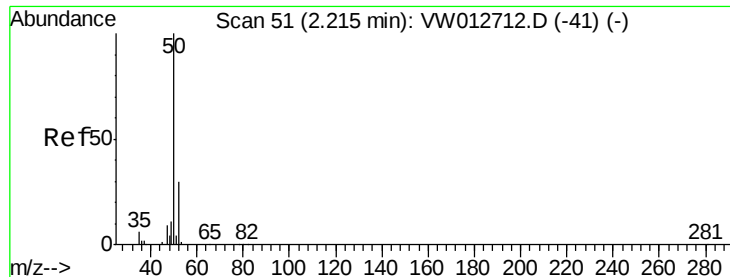
4000

2000

0

Time--> 1.95 2.00 2.05 2.10





#3

Chloromethane

Concen: 21.043 ug/l

RT: 2.21 min Scan# 50

Delta R.T. -0.01 min

Lab File: VW012816.D

Acq: 09 Sep 2019 12:57

Instrument :

MSVOA_W

ClientSampleId :

VW0909SBS01

Tot Ion: 50 Resp: 33036

Ion Ratio Lower Upper

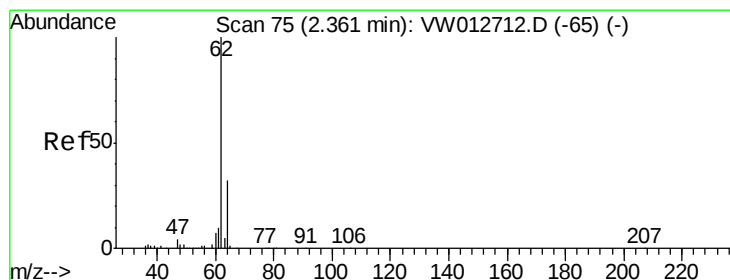
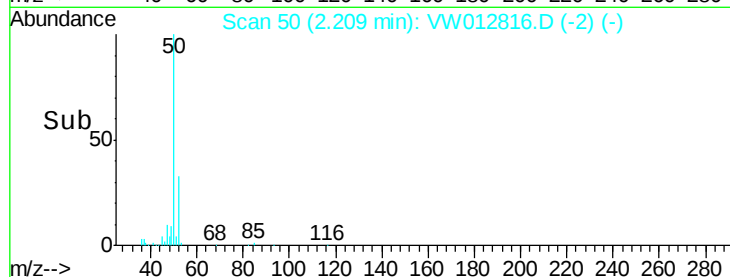
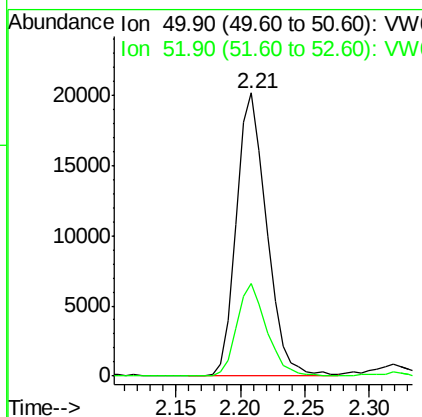
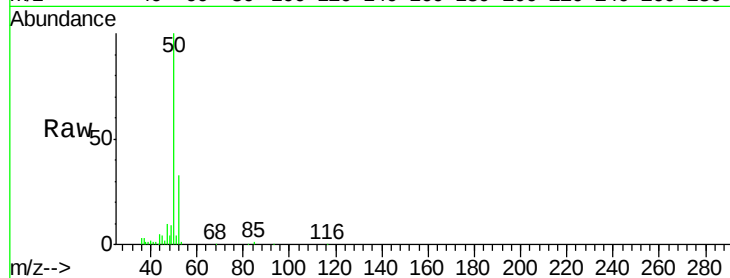
50 100

52 32.7 24.2 36.2

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#4

Vinyl Chloride

Concen: 21.653 ug/l

RT: 2.36 min Scan# 75

Delta R.T. 0.00 min

Lab File: VW012816.D

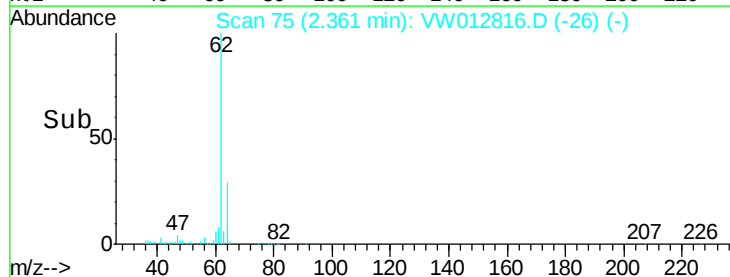
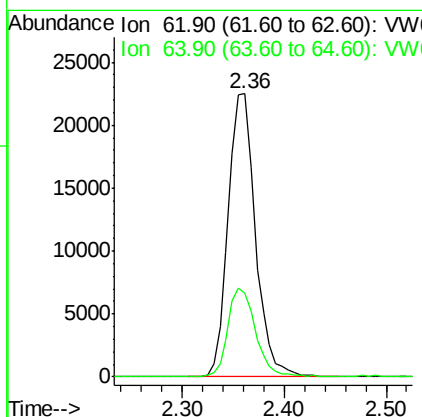
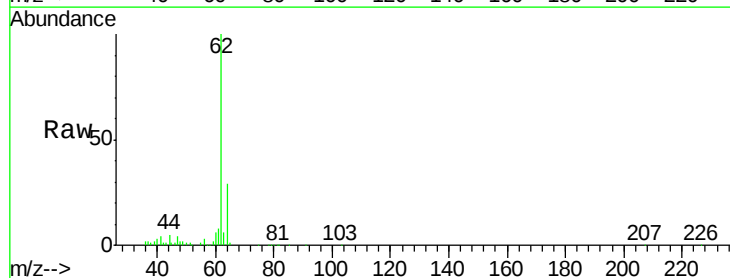
Acq: 09 Sep 2019 12:57

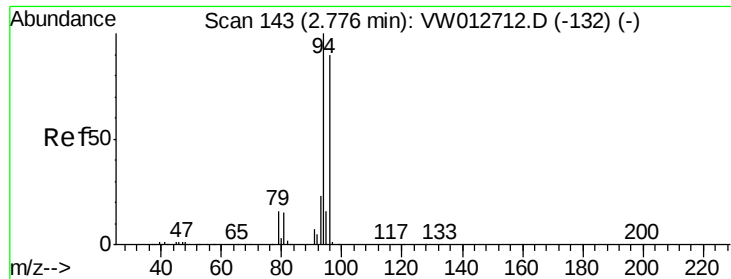
Tgt Ion: 62 Resp: 41681

Ion Ratio Lower Upper

62 100

64 29.4 25.3 37.9





#5

Bromomethane

Concen: 21.767 ug/l

RT: 2.77 min Scan# 142

Delta R.T. -0.01 min

Lab File: VW012816.D

Acq: 09 Sep 2019 12:57

Instrument :

MSVOA_W

ClientSampleId :

VW0909SBS01

Tot Ion: 94 Resp: 22753

Ion Ratio Lower Upper

94 100

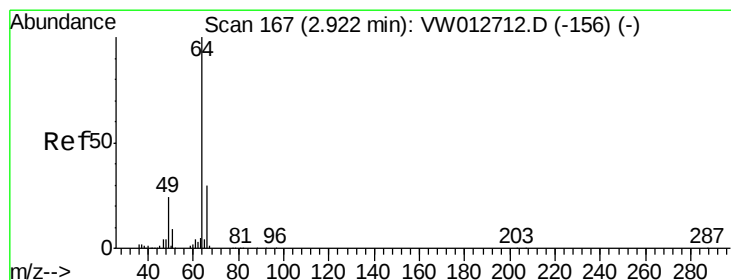
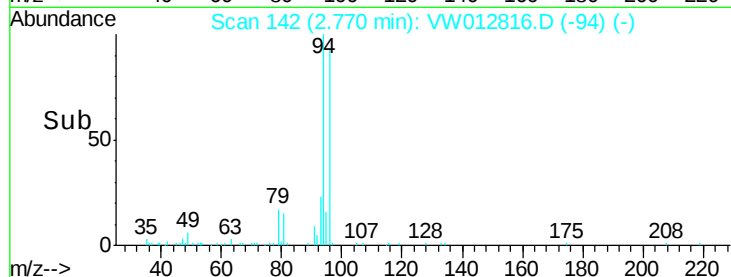
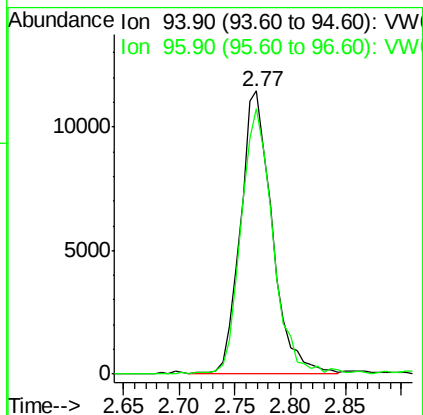
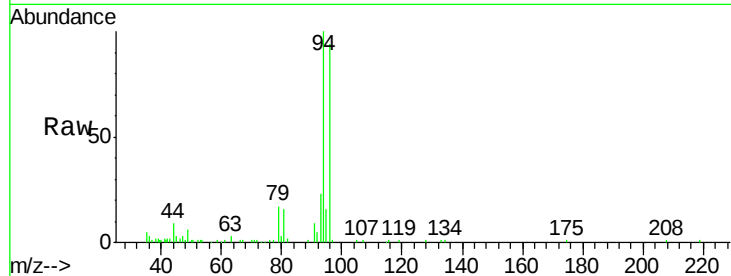
96 93.7 72.1 108.1

Manual Integrations

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#6

Chloroethane

Concen: 21.241 ug/l

RT: 2.91 min Scan# 165

Delta R.T. -0.01 min

Lab File: VW012816.D

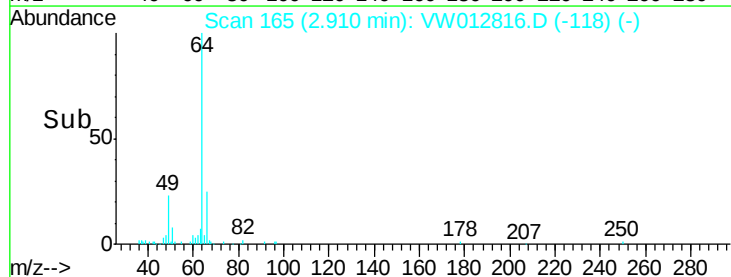
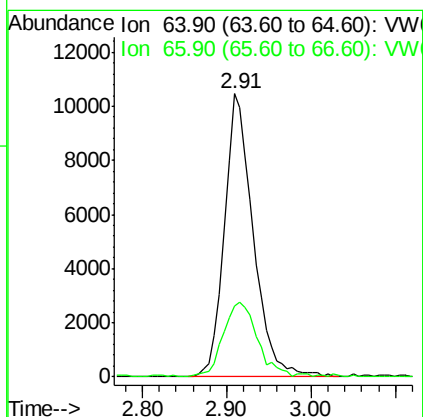
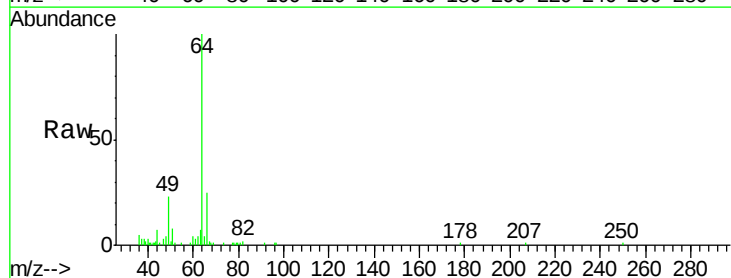
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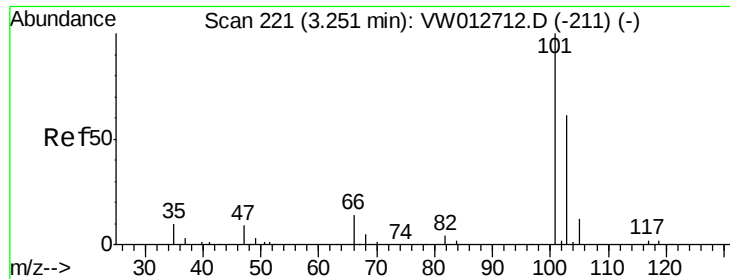
Tgt Ion: 64 Resp: 24399

Ion Ratio Lower Upper

64 100

66 24.9 23.8 35.6





#7

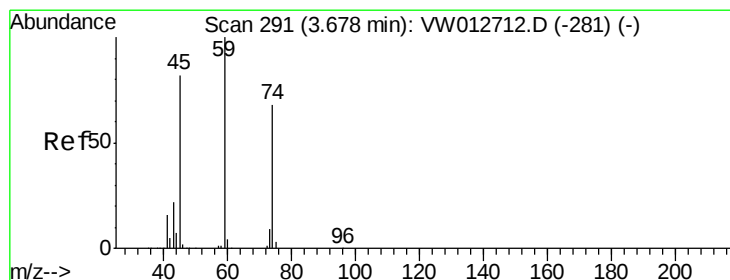
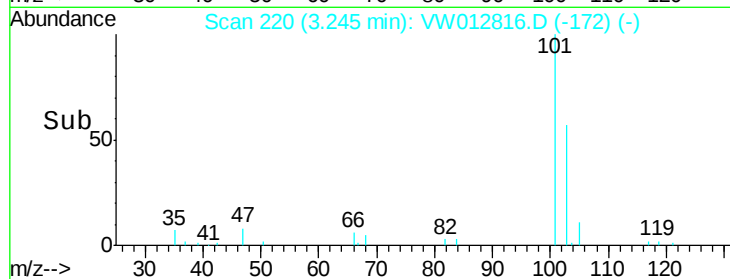
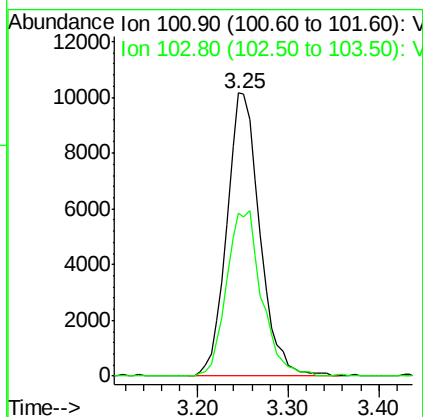
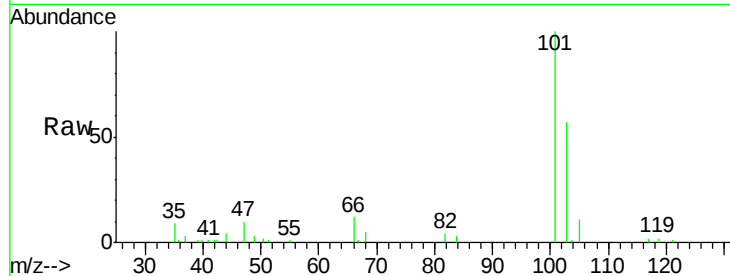
Trichlorofluoromethane
Concen: 19.320 ug/l
RT: 3.25 min Scan# 220
Delta R.T. -0.01 min
Lab File: VW012816.D
Acq: 09 Sep 2019 12:57

Instrument :
MSVOA_W
ClientSampleId :
VW0909SBS01

Tot Ion:101 Resp: 25663
Ion Ratio Lower Upper
101 100
103 57.4 49.0 73.4

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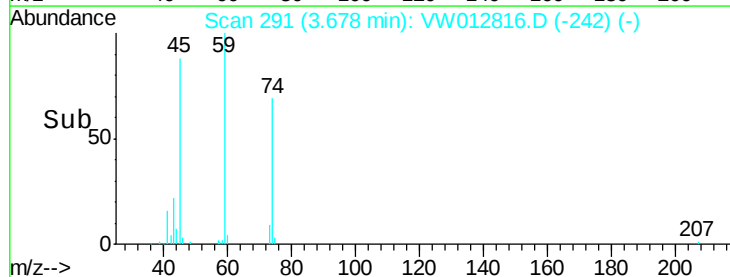
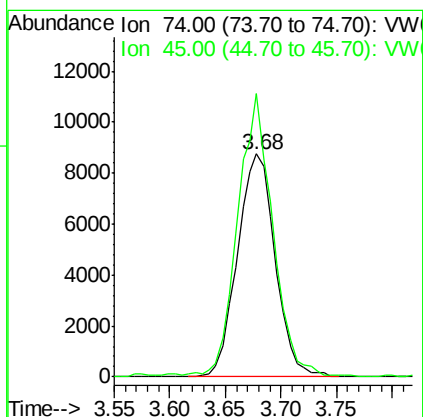
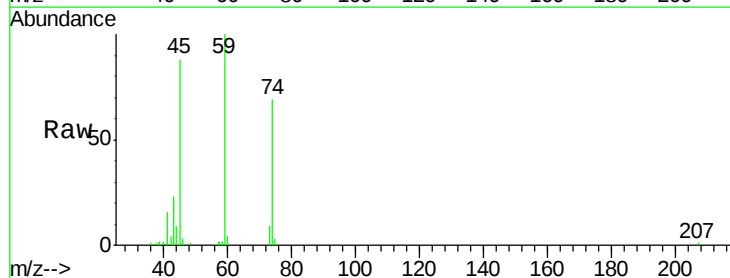
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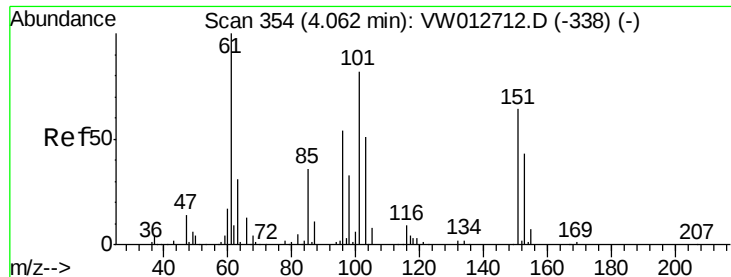


#8

Diethyl Ether
Concen: 18.444 ug/l
RT: 3.68 min Scan# 291
Delta R.T. 0.00 min
Lab File: VW012816.D
Acq: 09 Sep 2019 12:57

Tgt Ion: 74 Resp: 20592
Ion Ratio Lower Upper
74 100
45 115.8 58.8 176.4





#9

1,1,2-Trichlorotrifluoroethane

Concen: 19.392 ug/l

RT: 4.06 min Scan# 353

Delta R.T. -0.01 min

Lab File: VW012816.D

Acq: 09 Sep 2019 12:57

Instrument :

MSVOA_W

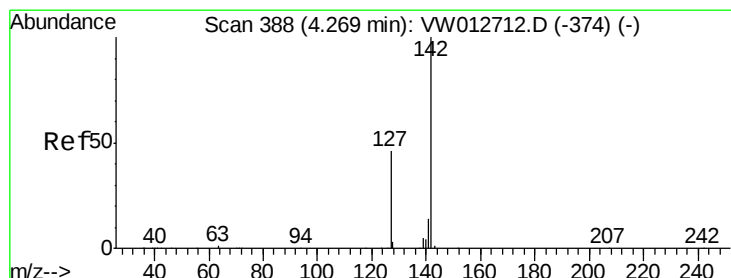
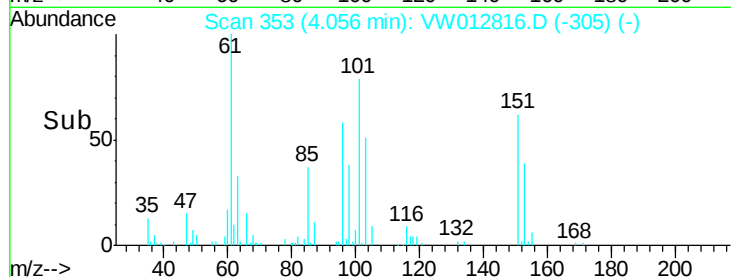
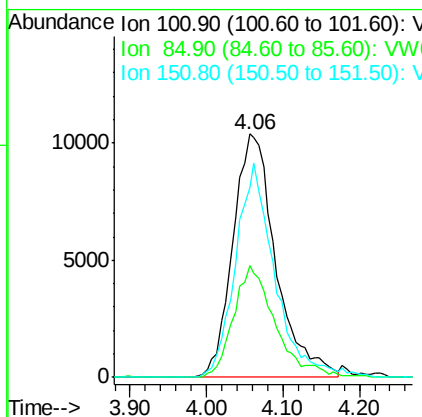
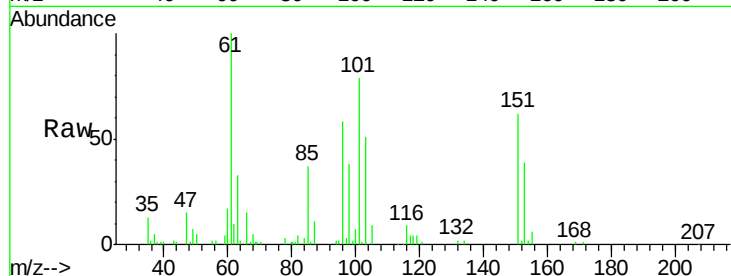
ClientSampleId :

VW0909SBS01

Tot Ion:	101	Resp:	40425
Ion Ratio	Lower	Upper	
101	100		
85	44.7	36.2	54.2
151	80.7	61.9	92.9

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#10

Methyl Iodide

Concen: 19.551 ug/l

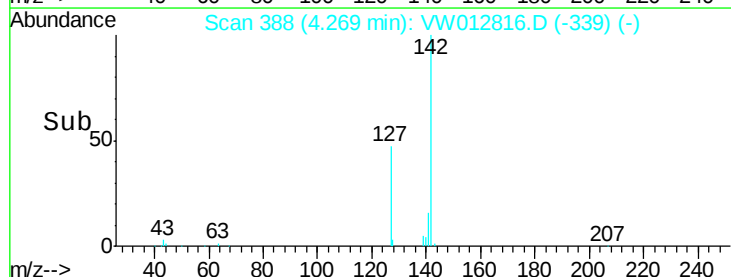
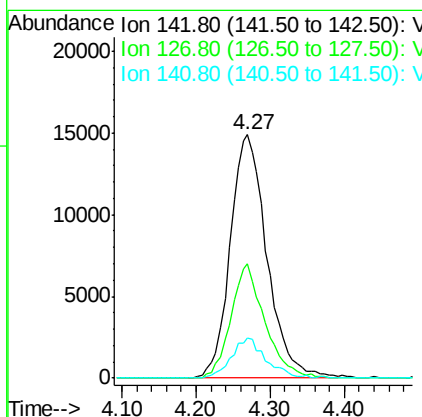
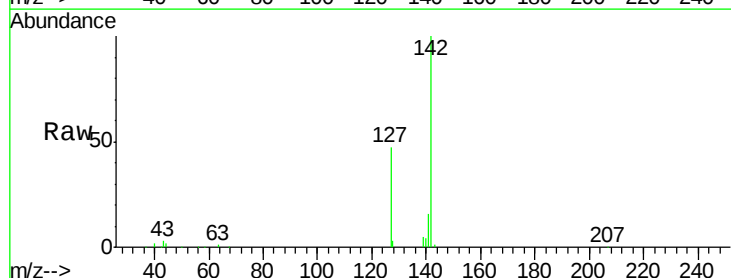
RT: 4.27 min Scan# 388

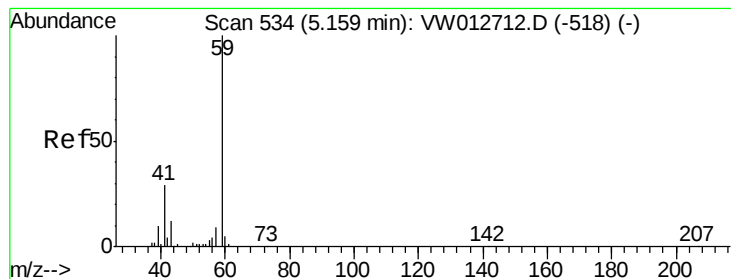
Delta R.T. 0.00 min

Lab File: VW012816.D

Acq: 09 Sep 2019 12:57

Tgt Ion:	142	Resp:	51307
Ion Ratio	Lower	Upper	
142	100		
127	43.4	36.0	54.0
141	15.3	12.2	18.4





#11

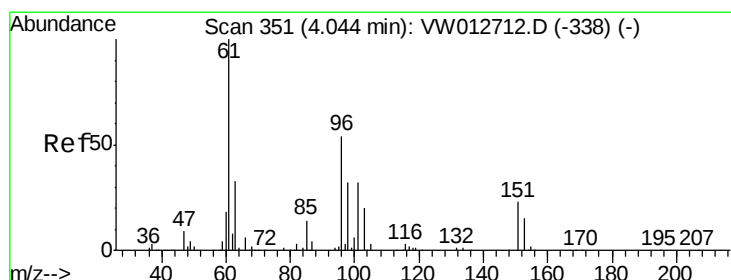
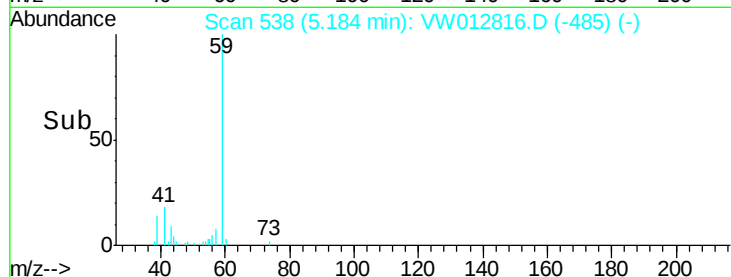
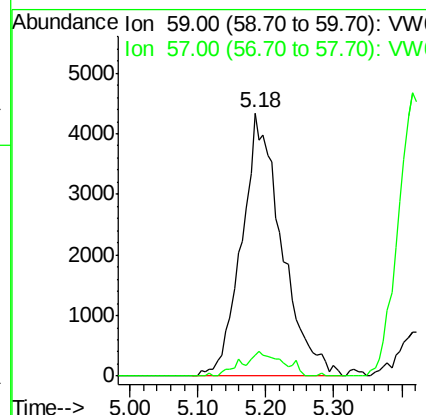
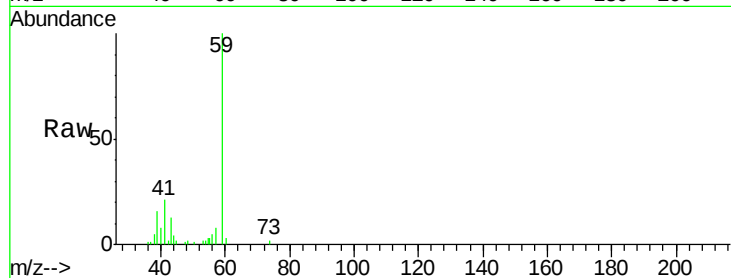
Tert butyl alcohol
 Concen: 86.999 ug/l
 RT: 5.18 min Scan# 538
 Delta R.T. 0.02 min
 Lab File: VW012816.D
 Acq: 09 Sep 2019 12:57

Instrument :
 MSVOA_W
 ClientSampleID :
 VW0909SBS01

Tot Ion	Ion	Ratio	Resp	Lower	Upper
59	59	100	17722		
57	57	3.9		8.2	12.4#

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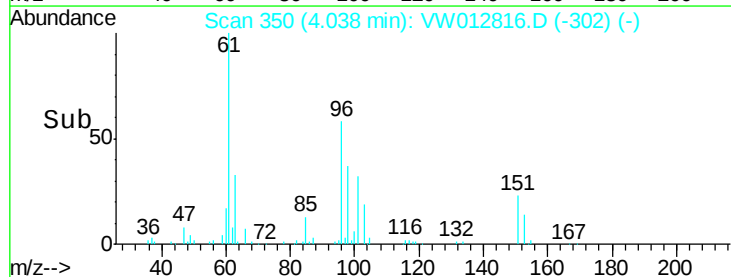
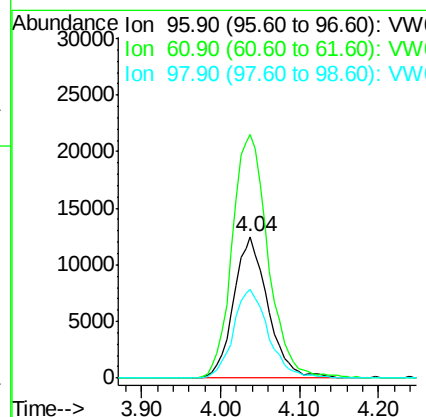
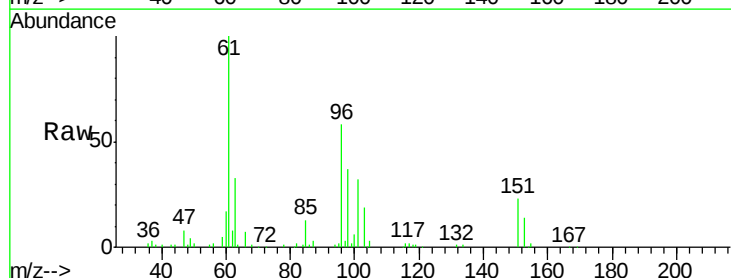
MMDadoda
 9/11/2019 8:15:41 AM

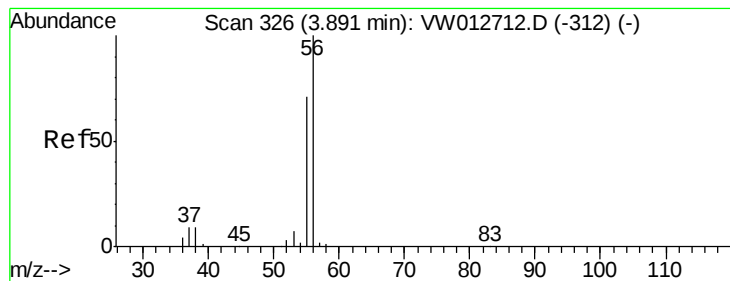


#12

1,1-Dichloroethene
 Concen: 19.096 ug/l
 RT: 4.04 min Scan# 350
 Delta R.T. -0.01 min
 Lab File: VW012816.D
 Acq: 09 Sep 2019 12:57

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
96	96	100	37577		
61	61	172.3		147.8	221.6
98	98	63.0		47.9	71.9





#13

Acrolein

Concen: 79.947 ug/l

RT: 3.90 min Scan# 327

Delta R.T. 0.01 min

Lab File: VW012816.D

Acq: 09 Sep 2019 12:57

Instrument :

MSVOA_W

ClientSampleId :

VW0909SBSD01

Tot Ion: 56 Resp: 17282

Ion Ratio Lower Upper

56 100

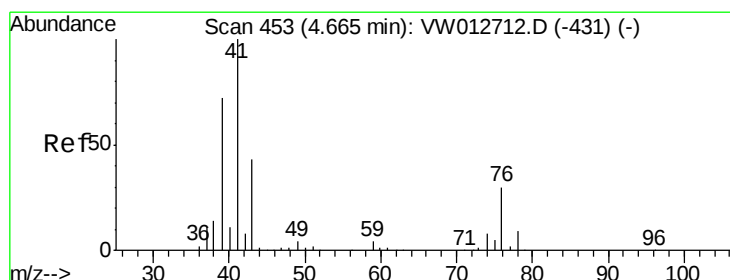
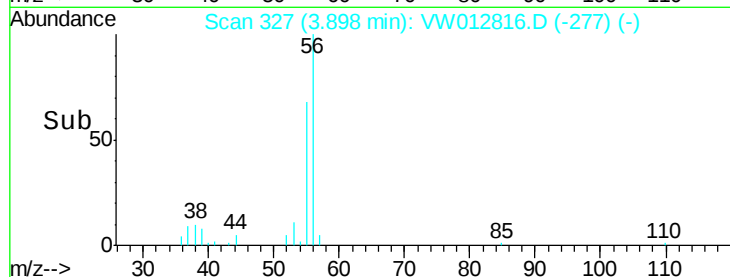
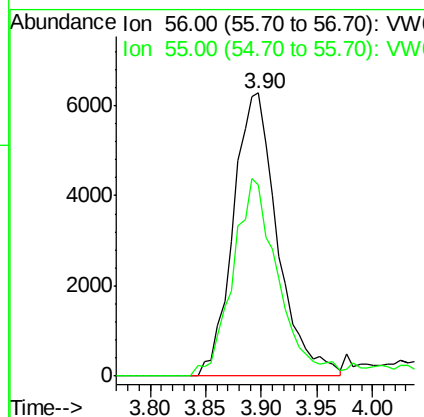
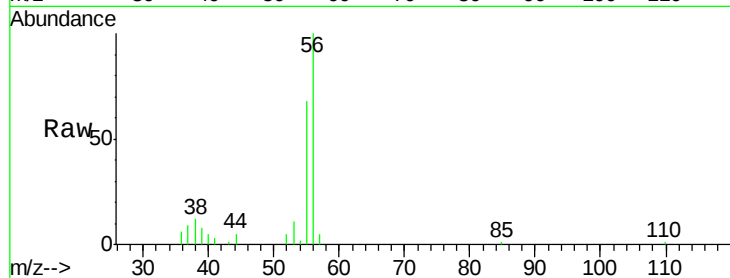
55 71.3 56.9 85.3

Manual Integrations

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#14

Allyl chloride

Concen: 18.170 ug/l

RT: 4.66 min Scan# 452

Delta R.T. -0.01 min

Lab File: VW012816.D

Acq: 09 Sep 2019 12:57

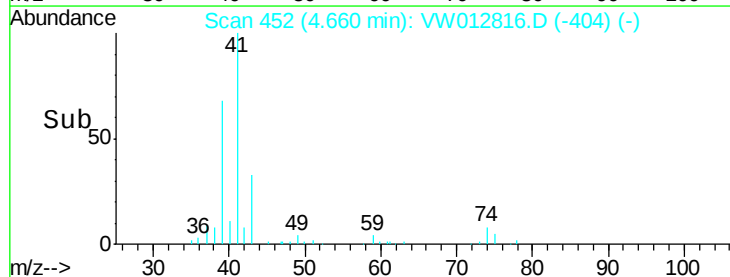
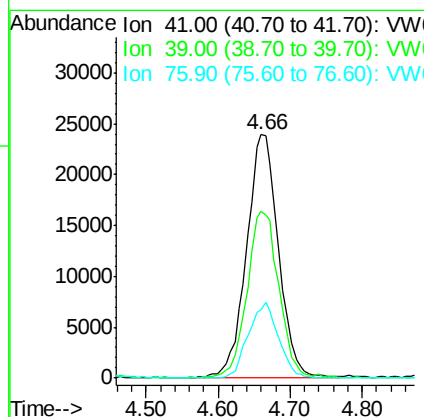
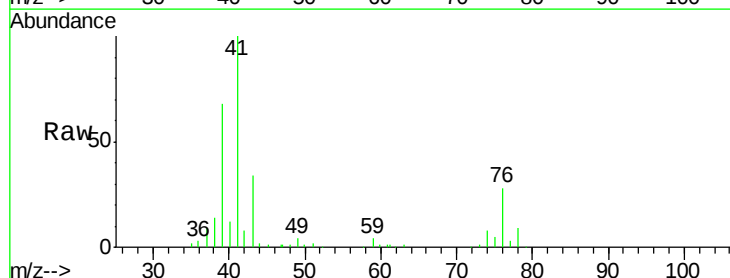
Tgt Ion: 41 Resp: 73966

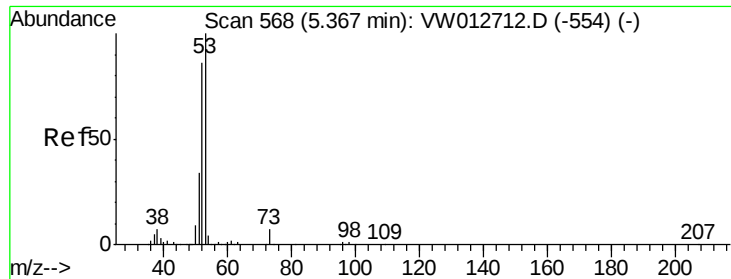
Ion Ratio Lower Upper

41 100

39 67.8 55.0 82.6

76 29.3 23.0 34.4





#15

Acrylonitrile

Concen: 87.769 ug/l

RT: 5.37 min Scan# 568

Delta R.T. 0.00 min

Lab File: VW012816.D

Acq: 09 Sep 2019 12:57

Instrument :

MSVOA_W

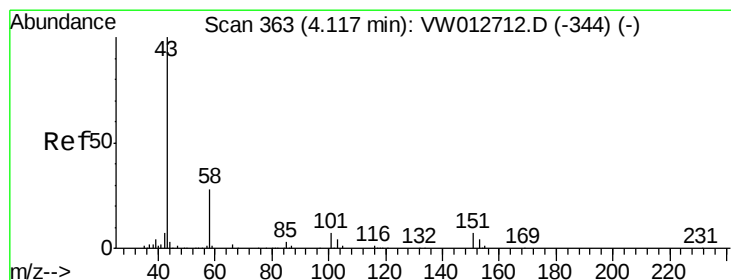
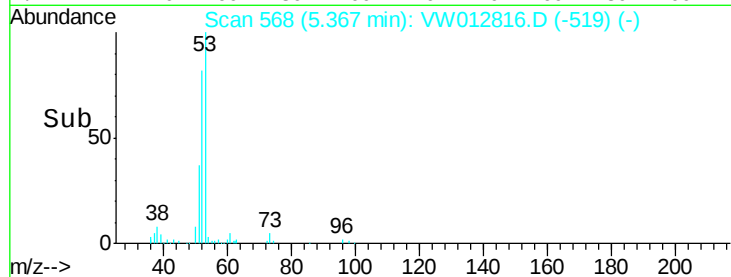
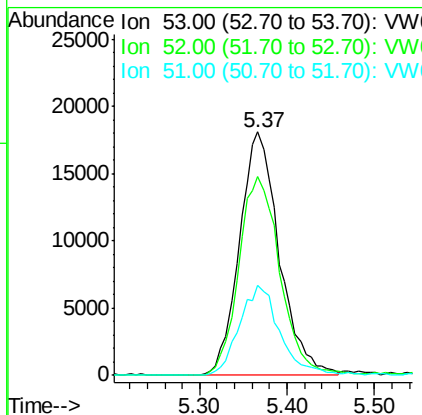
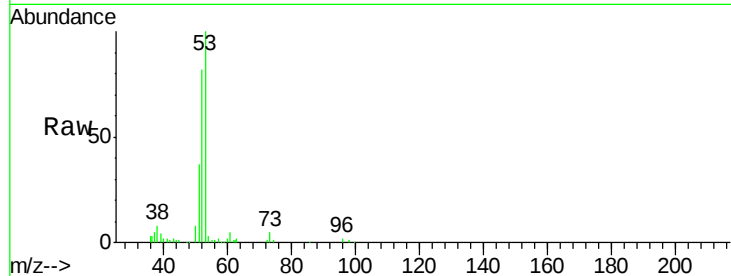
ClientSampleId :

VW0909SBS01

Tot Ion:	53	Resp:	57233
Ion	Ratio	Lower	Upper
53	100		
52	84.8	67.0	100.4
51	37.8	29.8	44.8

Manual Integrations
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#16

Acetone

Concen: 76.800 ug/l

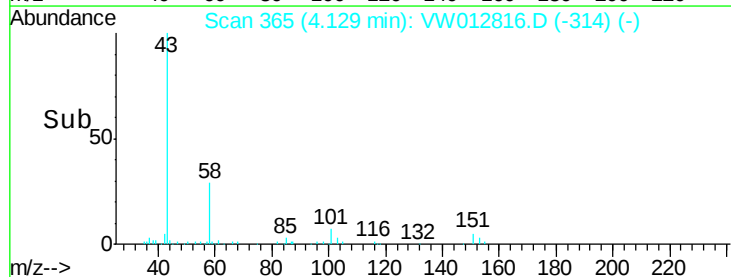
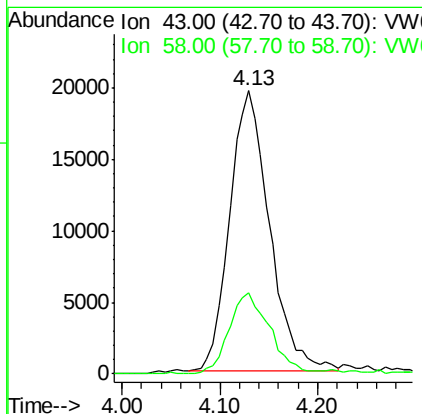
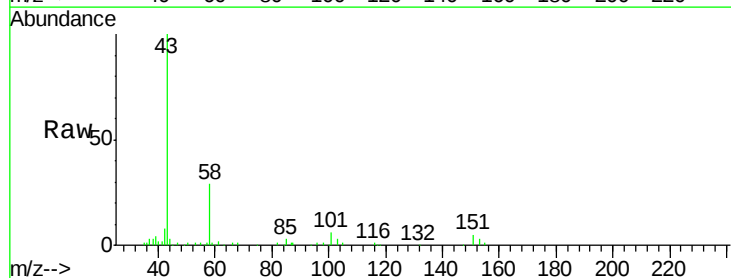
RT: 4.13 min Scan# 365

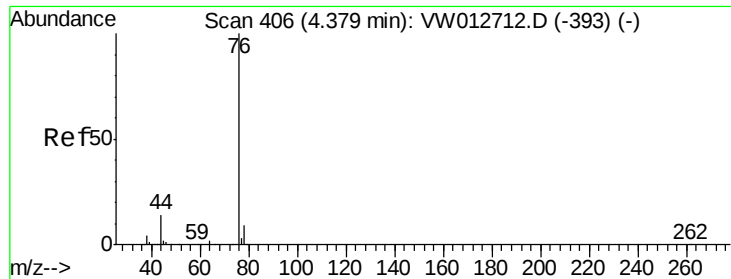
Delta R.T. 0.01 min

Lab File: VW012816.D

Acq: 09 Sep 2019 12:57

Tgt Ion:	43	Resp:	55744
Ion	Ratio	Lower	Upper
43	100		
58	28.8	22.6	33.8





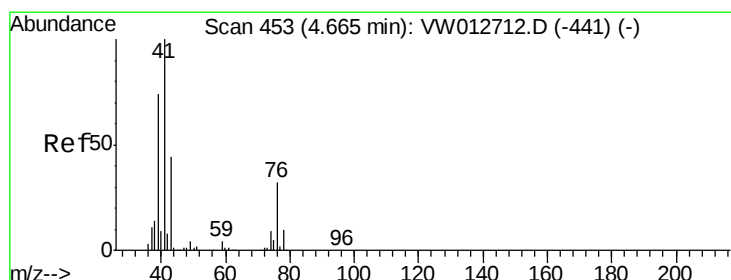
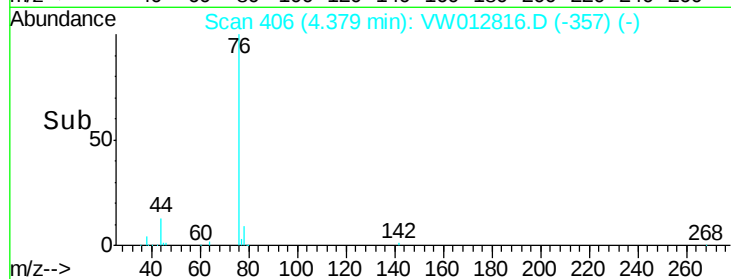
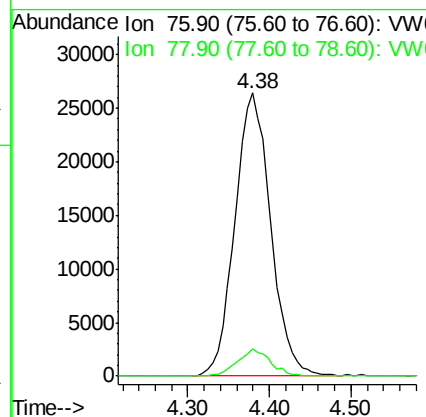
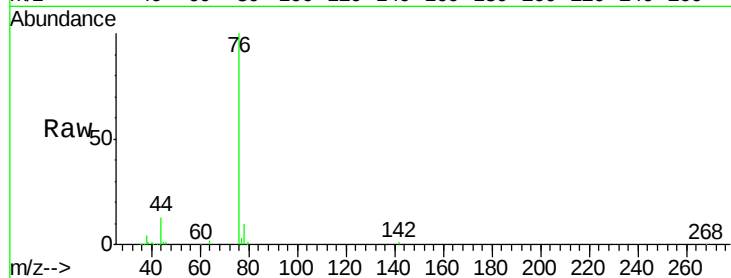
#17
Carbon Disulfide
Concen: 19.213 ug/l
RT: 4.38 min Scan# 406
Delta R.T. 0.00 min
Lab File: VW012816.D
Acq: 09 Sep 2019 12:57

Instrument :
MSVOA_W
ClientSampleId :
VW0909SBSD01

Tot Ion	Ratio	Lower	Upper
76	100		
78	9.6	7.2	10.8

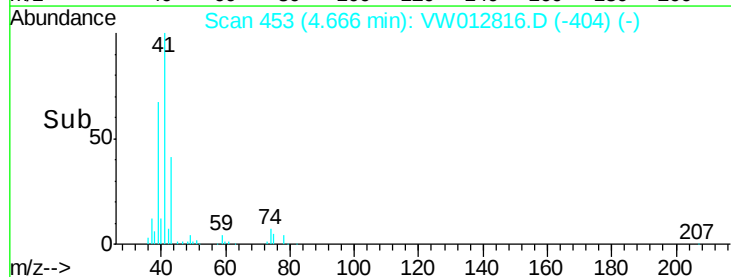
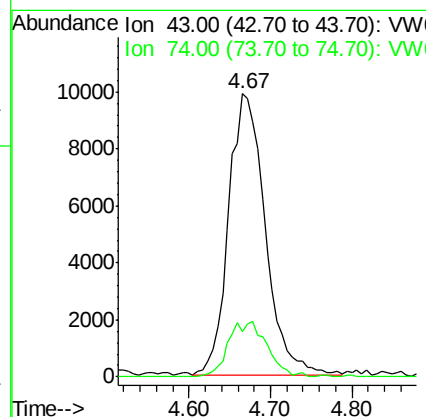
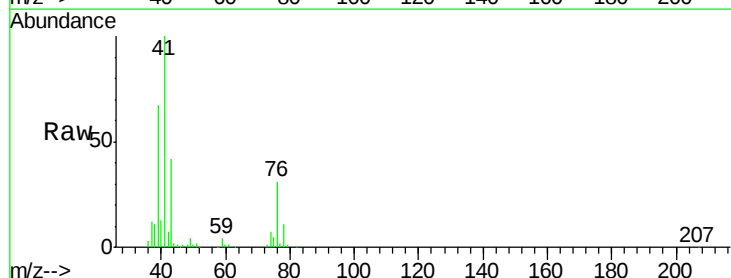
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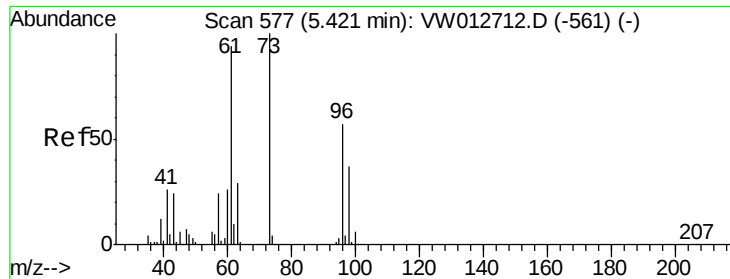
MMDadoda
9/11/2019 8:15:41 AM



#18
Methyl Acetate
Concen: 18.097 ug/l
RT: 4.67 min Scan# 453
Delta R.T. 0.00 min
Lab File: VW012816.D
Acq: 09 Sep 2019 12:57

Tgt Ion	Ratio	Lower	Upper
43	100		
74	20.8	15.8	23.6





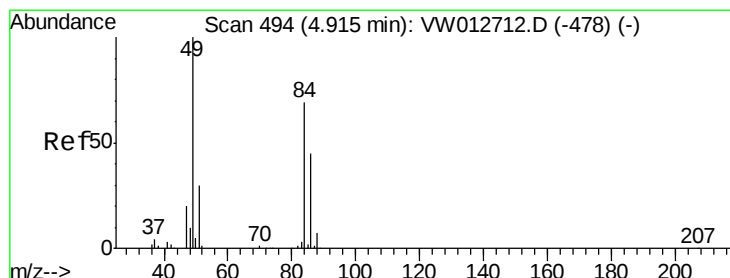
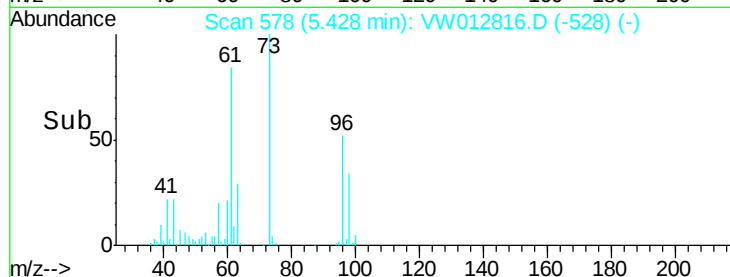
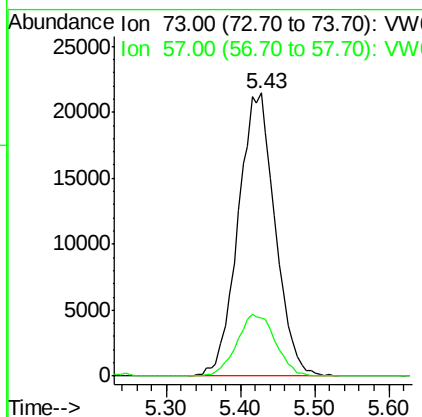
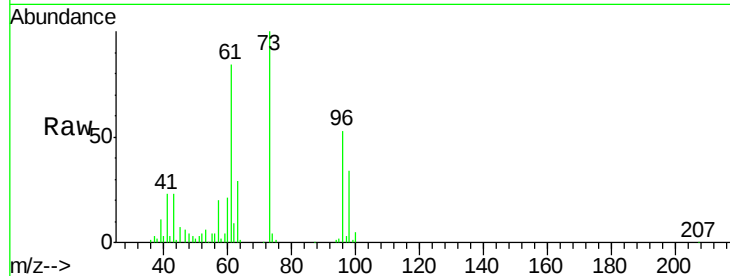
#19
Methvl tert-butvl Ether
Concen: 19.081 ug/l
RT: 5.43 min Scan# 578
Delta R.T. 0.01 min
Lab File: VW012816.D
Acq: 09 Sep 2019 12:57

Instrument :
MSVOA_W
ClientSampleId :
VW0909SBS01

Tot Ion	Ratio	Lower	Upper
73	100		
57	20.3	19.2	28.8

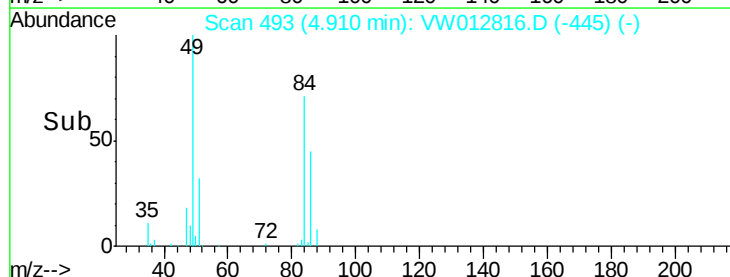
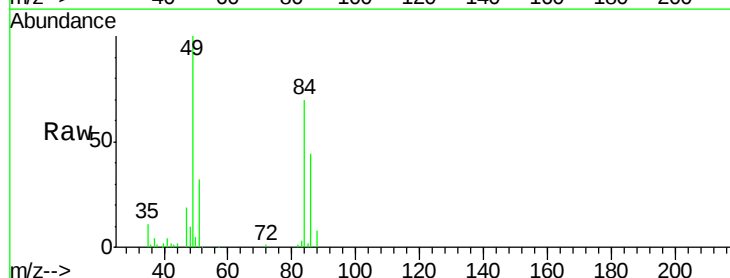
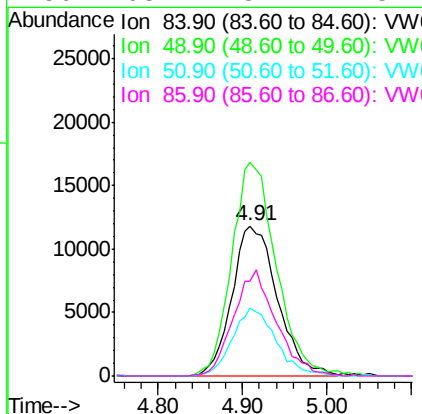
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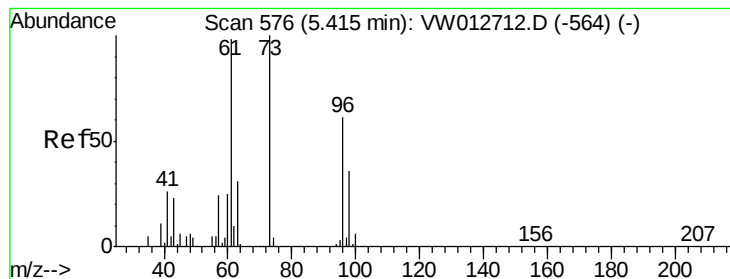
MMDadoda
9/11/2019 8:15:41 AM



#20
Methylene Chloride
Concen: 19.051 ug/l
RT: 4.91 min Scan# 493
Delta R.T. -0.01 min
Lab File: VW012816.D
Acq: 09 Sep 2019 12:57

Tgt Ion	Ratio	Lower	Upper
84	100		
49	142.4	115.4	173.0
51	45.0	34.9	52.3
86	63.2	52.2	78.4





#21

trans-1,2-Dichloroethene

Concen: 19.910 ug/l

RT: 5.42 min Scan# 577

Delta R.T. 0.01 min

Lab File: VW012816.D

Acq: 09 Sep 2019 12:57

Instrument :

MSVOA_W

ClientSampleId :

VW0909SBS01

Tot Ion: 96 Resp: 39976

Ion Ratio Lower Upper

96 100

61 152.3 129.2 193.8

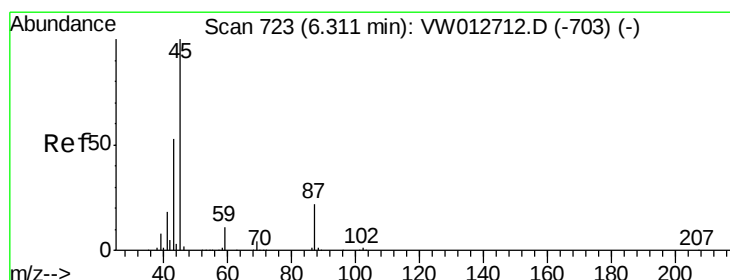
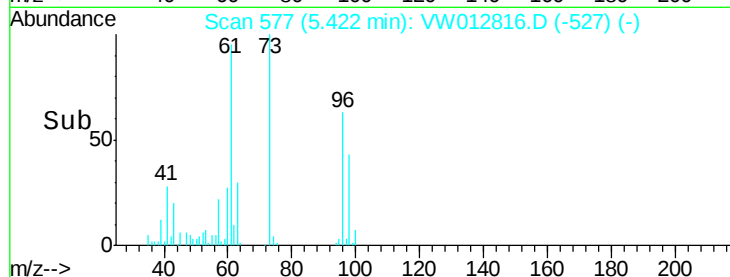
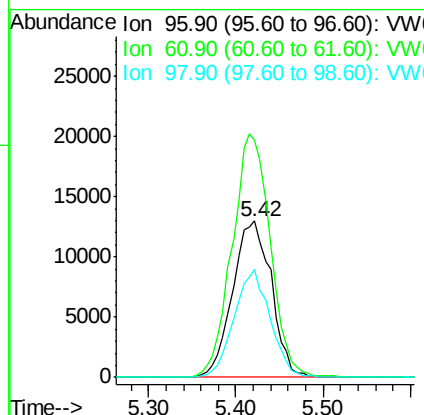
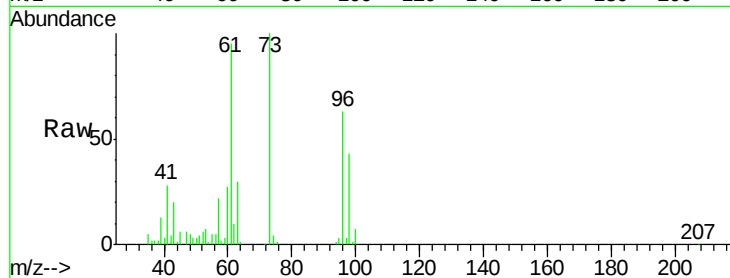
98 68.8 48.0 72.0

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#22

Diisopropyl ether

Concen: 18.486 ug/l

RT: 6.31 min Scan# 722

Delta R.T. -0.01 min

Lab File: VW012816.D

Acq: 09 Sep 2019 12:57

Tgt Ion: 45 Resp: 149252

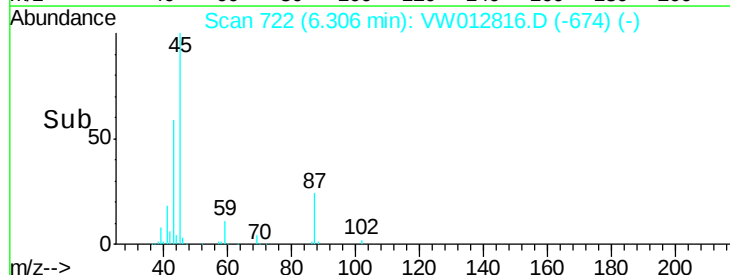
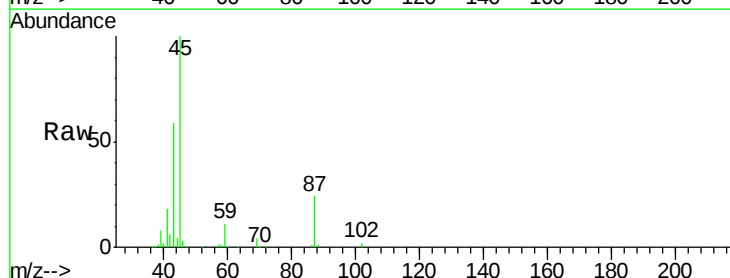
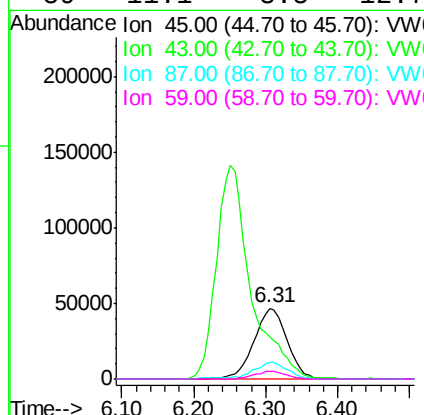
Ion Ratio Lower Upper

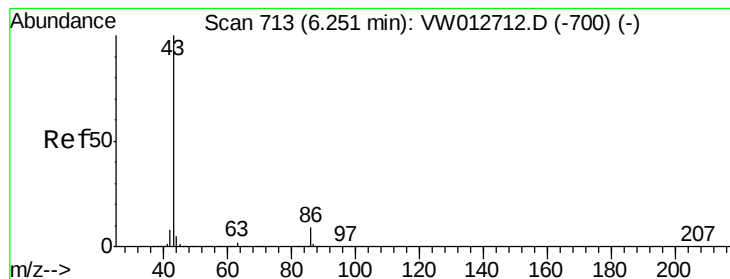
45 100

43 58.1 42.3 63.5

87 23.7 18.2 27.2

59 11.1 8.5 12.7





#23

Vinyl Acetate

Concen: 91.844 ug/l

RT: 6.25 min Scan# 713

Delta R.T. 0.00 min

Lab File: VW012816.D

Acq: 09 Sep 2019 12:57

Tot Ion: 43 Resp: 469935

Ion Ratio Lower Upper

43 100

86 8.9 7.0 10.6

Instrument :

MSVOA_W

ClientSampleId :

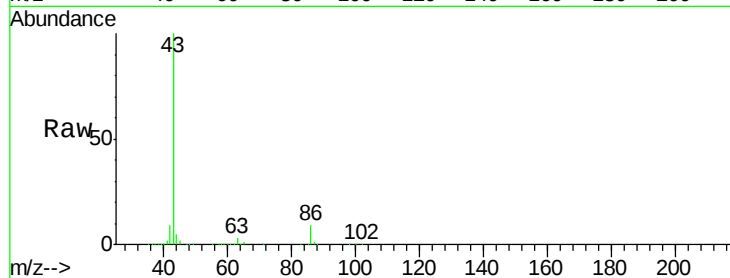
VW0909SBS01

Manual Integrations

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Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 86.00 (85.70 to 86.70): VW

6.25

150000

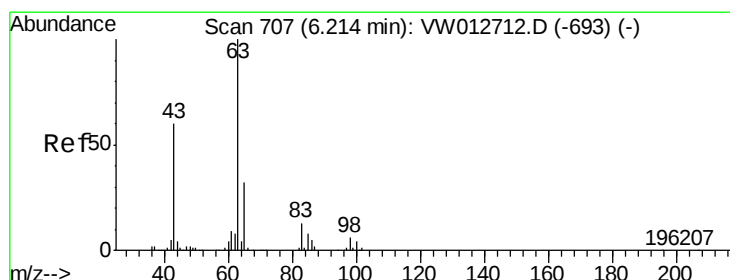
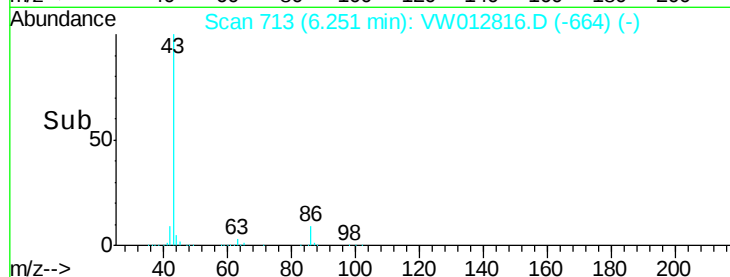
100000

50000

0

6.10 6.20 6.30 6.40 6.50

Time-->



#24

1,1-Dichloroethane

Concen: 19.000 ug/l

RT: 6.21 min Scan# 706

Delta R.T. -0.01 min

Lab File: VW012816.D

Acq: 09 Sep 2019 12:57

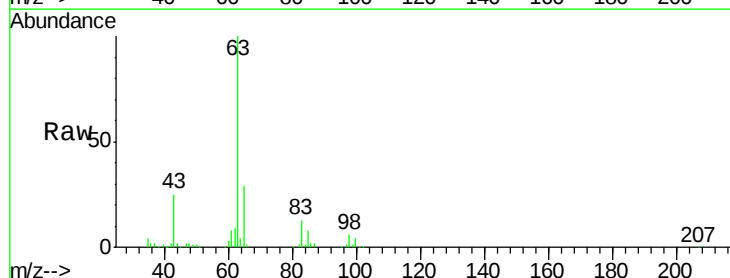
Tgt Ion: 63 Resp: 82598

Ion Ratio Lower Upper

63 100

98 5.7 3.1 9.3

100 4.1 1.8 5.5



Abundance Ion 62.90 (62.60 to 63.60): VW

Ion 97.90 (97.60 to 98.60): VW

Ion 99.90 (99.60 to 100.60): VW

6.21

30000

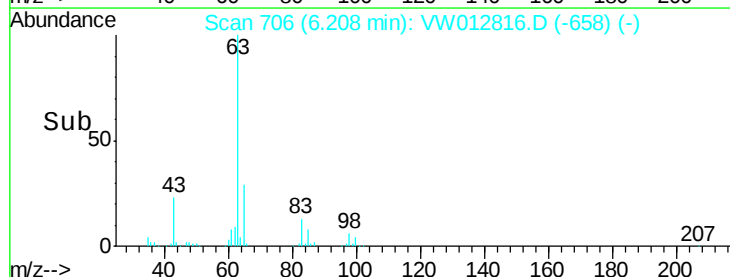
20000

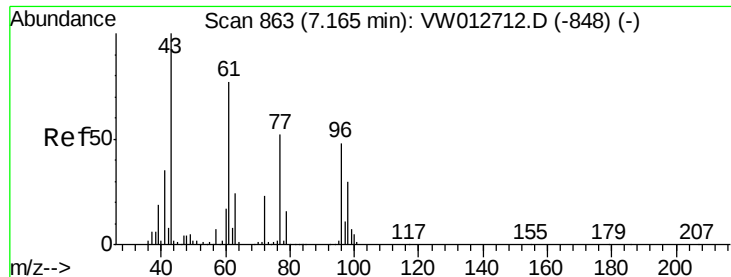
10000

0

6.10 6.20 6.30

Time-->





#25

2-Butanone

Concen: 90.988 ug/l

RT: 7.17 min Scan# 864

Delta R.T. 0.01 min

Lab File: VW012816.D

Acq: 09 Sep 2019 12:57

Instrument :

MSVOA_W

ClientSampleId :

VW0909SBS01

Tot Ion: 43 Resp: 82720

Ion Ratio Lower Upper

43 100

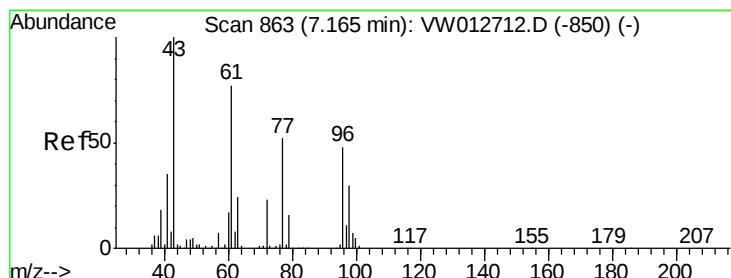
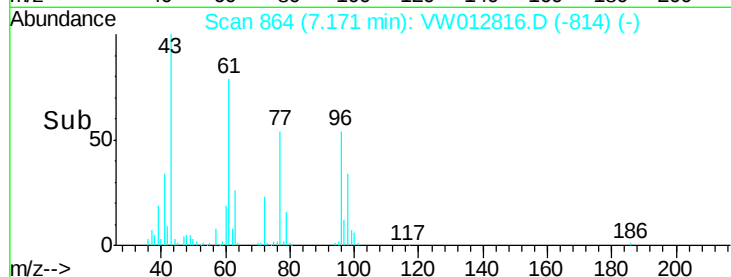
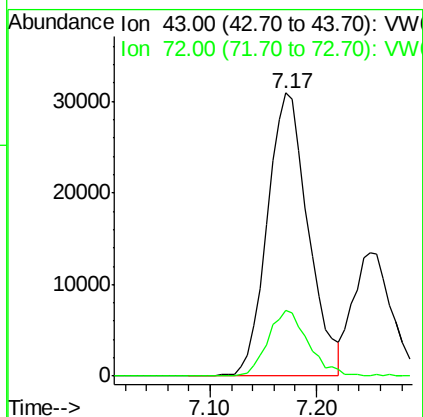
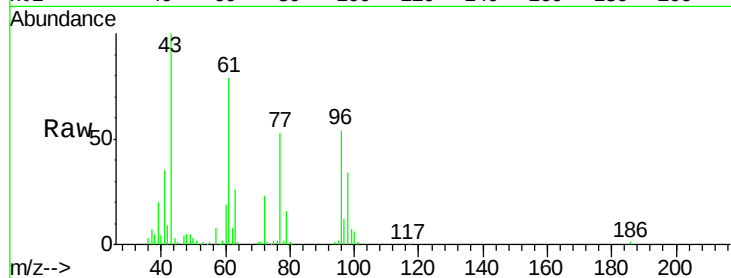
72 23.2 18.0 27.0

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#26

2,2-Dichloropropane

Concen: 18.672 ug/l

RT: 7.17 min Scan# 863

Delta R.T. 0.00 min

Lab File: VW012816.D

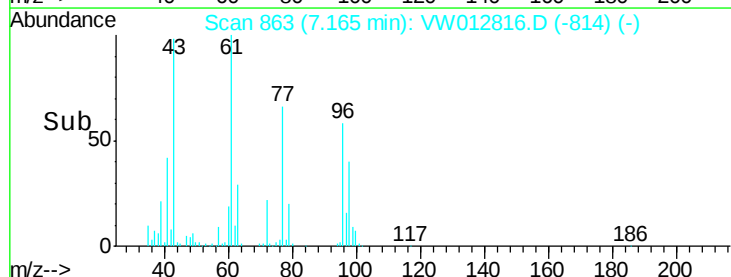
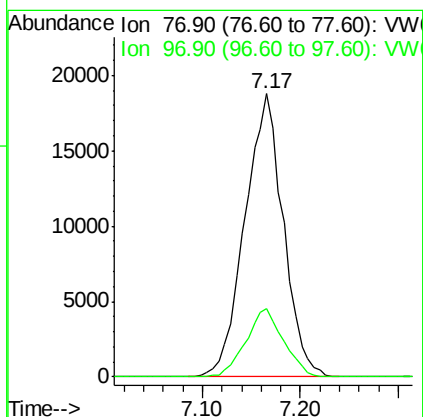
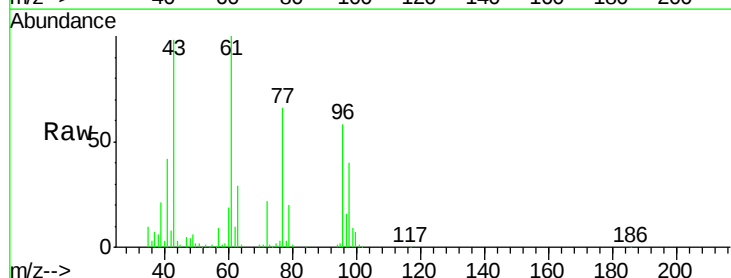
Acq: 09 Sep 2019 12:57

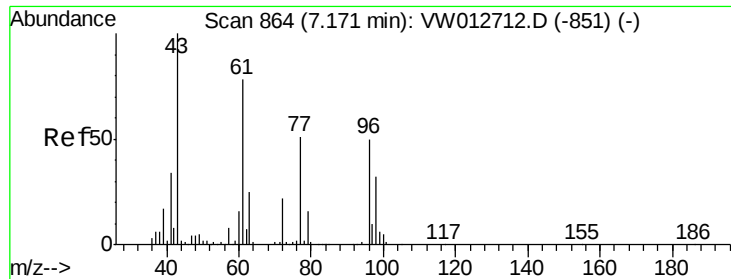
Tgt Ion: 77 Resp: 51267

Ion Ratio Lower Upper

77 100

97 23.5 10.7 32.1





#27

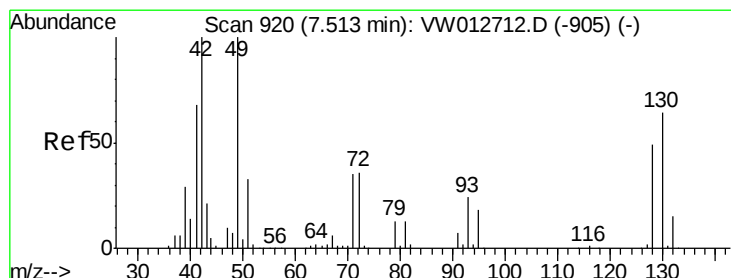
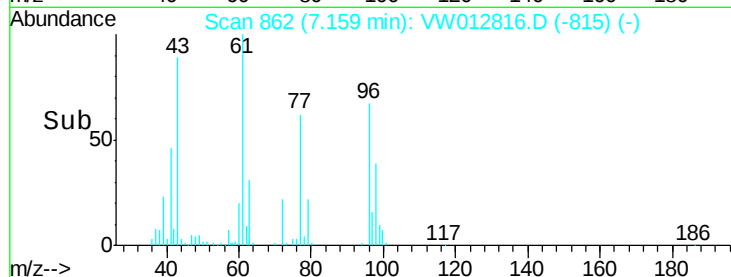
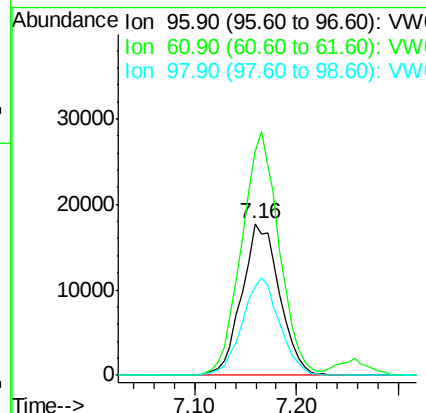
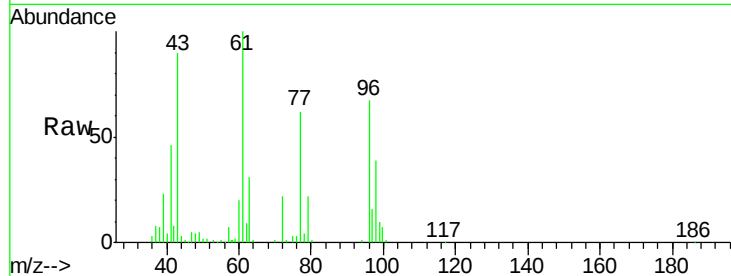
cis-1,2-Dichloroethene
Concen: 19.502 ug/l
RT: 7.16 min Scan# 862
Delta R.T. -0.01 min
Lab File: VW012816.D
Acq: 09 Sep 2019 12:57

Instrument :
MSVOA_W
ClientSampleId :
VW0909SBS01

Tot Ion	Ratio	Lower	Upper
96	100		
61	159.9	0.0	325.8
98	63.8	0.0	127.0

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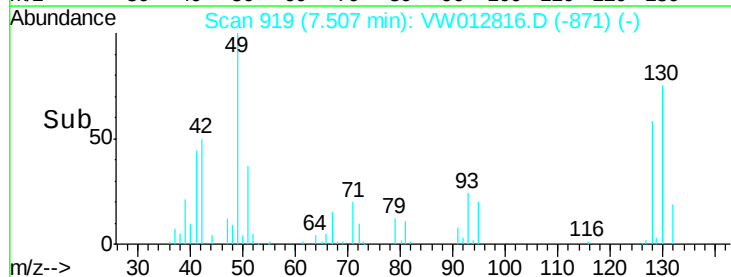
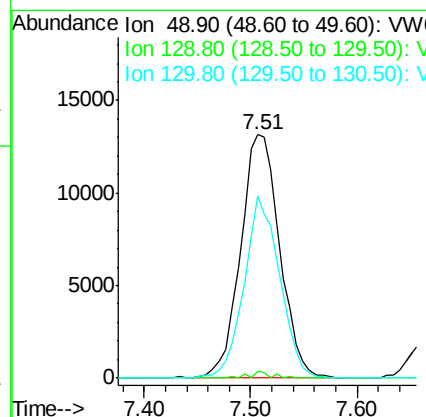
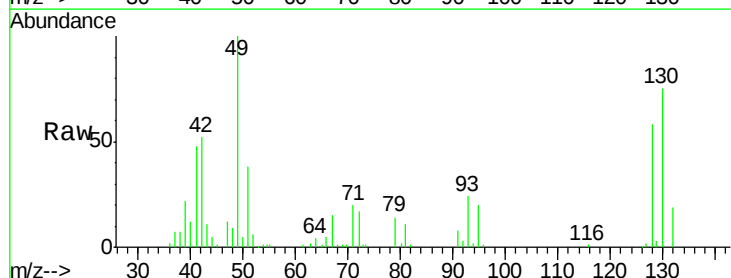
MMDadoda
9/11/2019 8:15:41 AM

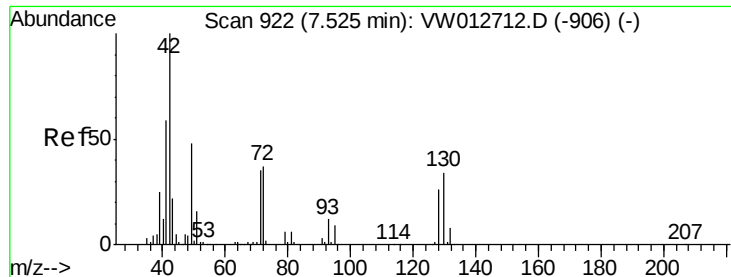


#28

Bromochloromethane
Concen: 16.985 ug/l
RT: 7.51 min Scan# 919
Delta R.T. -0.01 min
Lab File: VW012816.D
Acq: 09 Sep 2019 12:57

Tgt Ion	Ratio	Lower	Upper
49	100		
129	1.0	0.0	0.8#
130	68.1	49.8	74.8





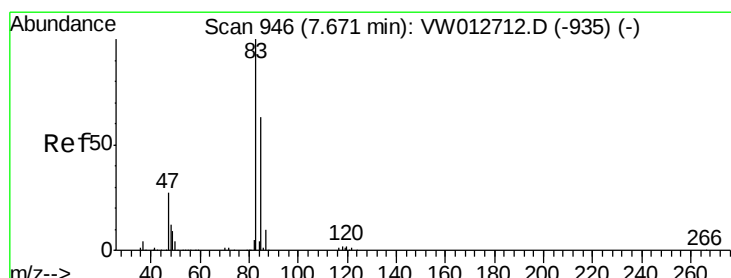
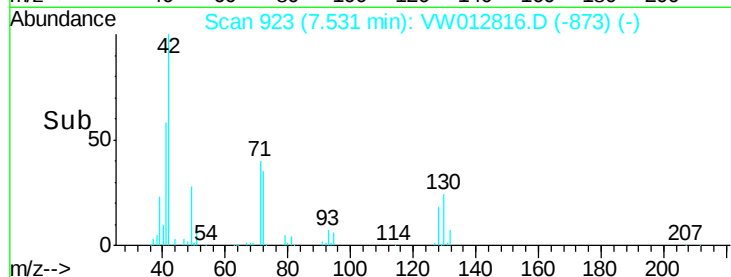
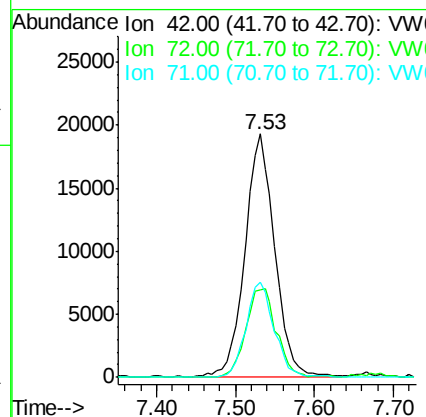
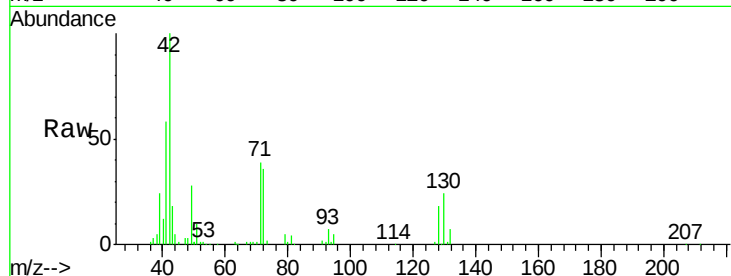
#29
Tetrahydrofuran
Concen: 86.118 ug/l
RT: 7.53 min Scan# 923
Delta R.T. 0.01 min
Lab File: VW012816.D
Acq: 09 Sep 2019 12:57

Instrument :
MSVOA_W
ClientSampleId :
VW0909SBS01

Tot Ion	Ratio	Lower	Upper
42	100		
72	37.6	28.4	42.6
71	36.7	27.1	40.7

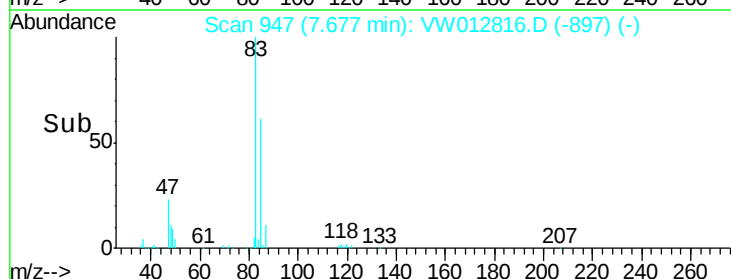
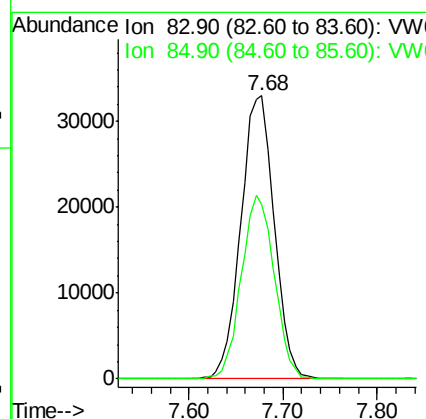
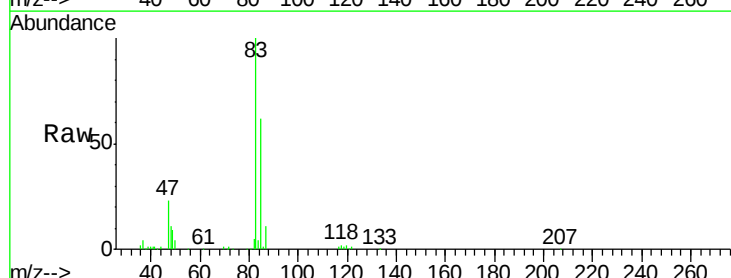
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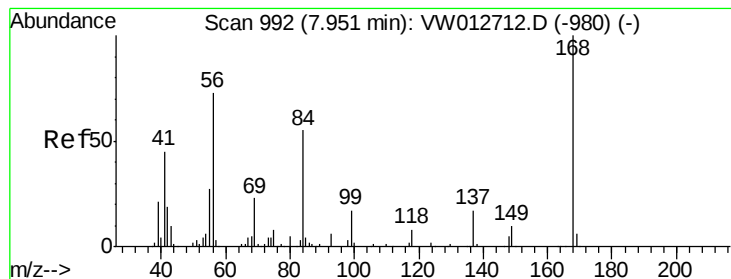
MMDadoda
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#30
Chloroform
Concen: 18.870 ug/l
RT: 7.68 min Scan# 947
Delta R.T. 0.01 min
Lab File: VW012816.D
Acq: 09 Sep 2019 12:57

Tgt Ion	Ratio	Lower	Upper
83	100		
85	61.8	50.6	76.0





#31

Cvclohexane

Concen: 18.843 ug/l

RT: 7.95 min Scan# 992

Delta R.T. 0.00 min

Lab File: VW012816.D

Acq: 09 Sep 2019 12:57

Instrument :

MSVOA_W

ClientSampleId :

VW0909SBS01

Tot Ion: 56 Resp: 73745

Ion Ratio Lower Upper

56 100

69 37.7 25.7 38.5

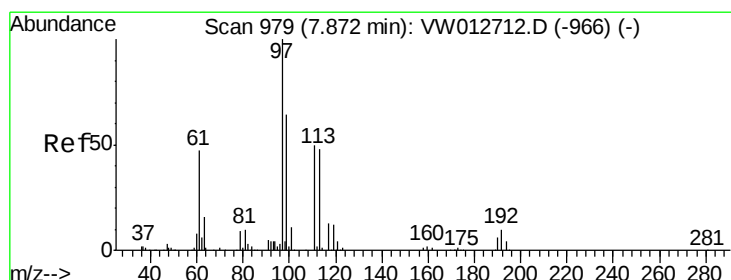
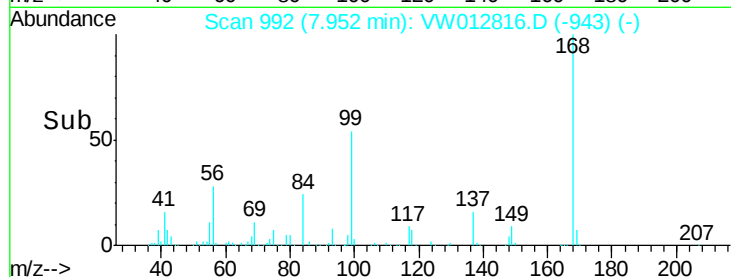
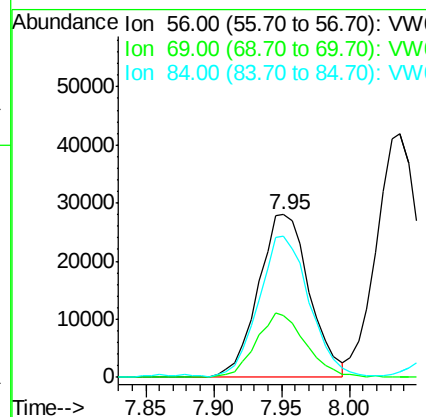
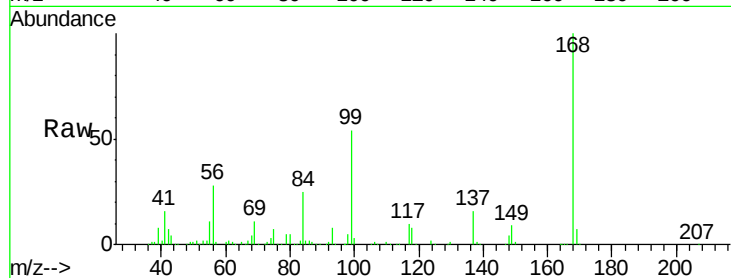
84 85.8 60.4 90.6

Manual Integrations

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#32

1,1,1-Trichloroethane

Concen: 18.770 ug/l

RT: 7.87 min Scan# 979

Delta R.T. 0.00 min

Lab File: VW012816.D

Acq: 09 Sep 2019 12:57

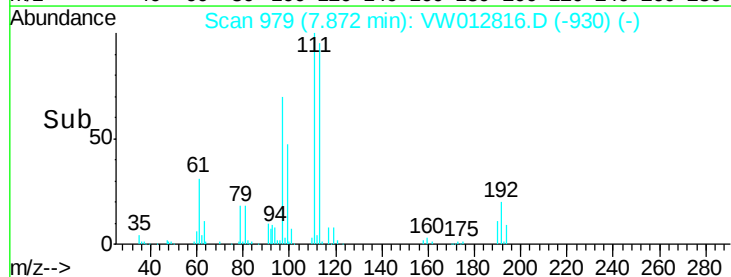
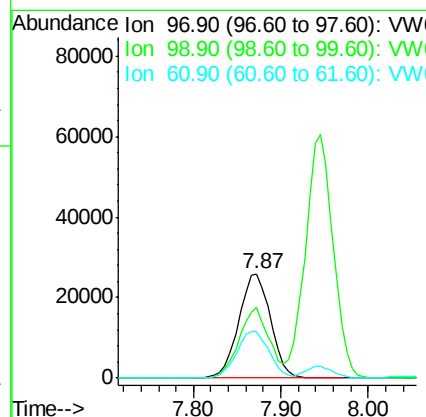
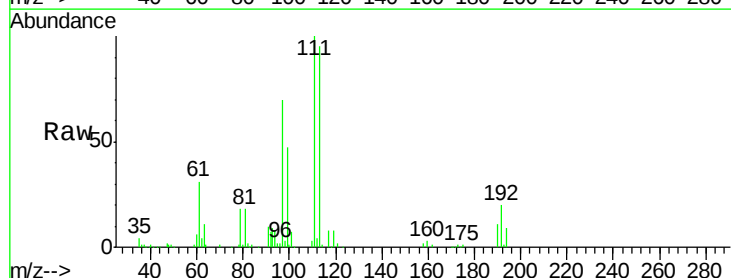
Tgt Ion: 97 Resp: 65550

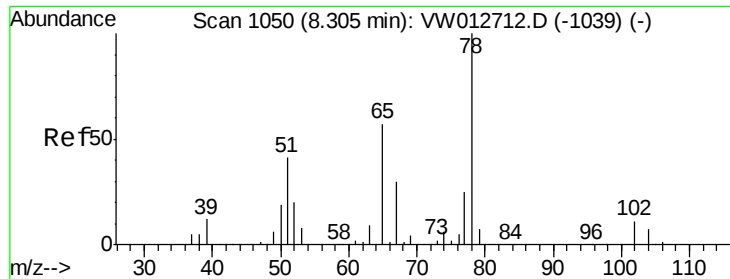
Ion Ratio Lower Upper

97 100

99 64.2 51.5 77.3

61 46.0 37.9 56.9





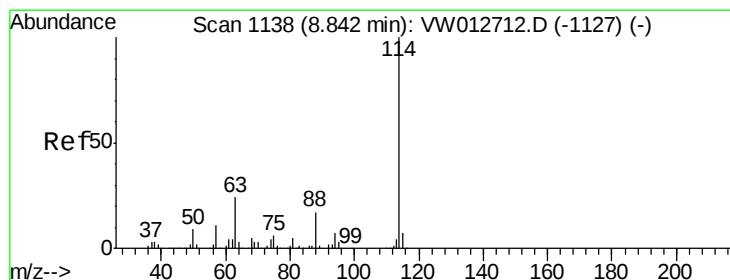
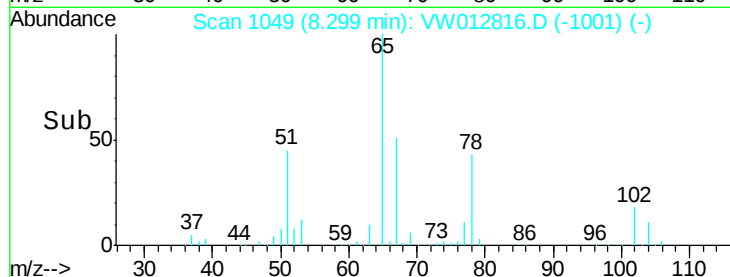
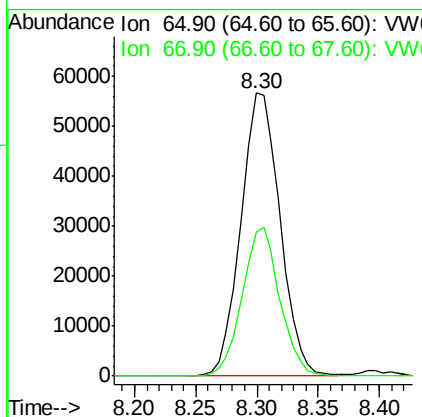
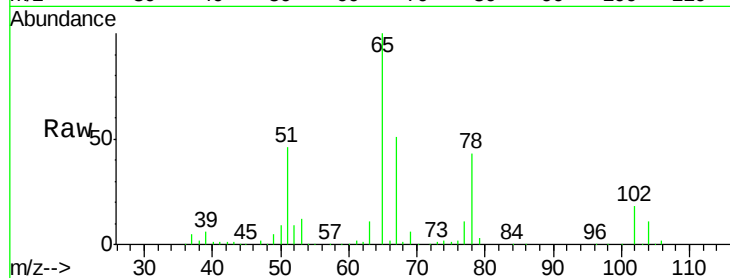
#33
 1,2-Dichloroethane-d4
 Concen: 47.427 ug/l
 RT: 8.30 min Scan# 1049
 Delta R.T. -0.01 min
 Lab File: VW012816.D
 Acq: 09 Sep 2019 12:57

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0909SBS01

Tot Ion	Ratio	Resp	Lower	Upper
65	100	126272		
67	50.5	0.0	101.8	

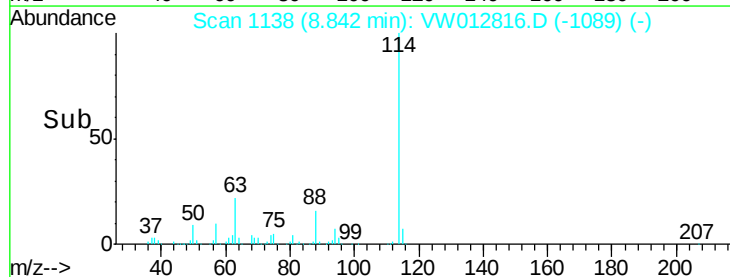
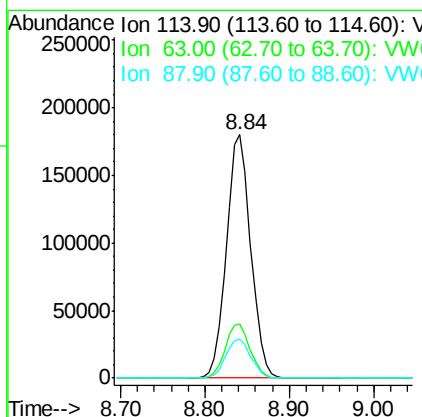
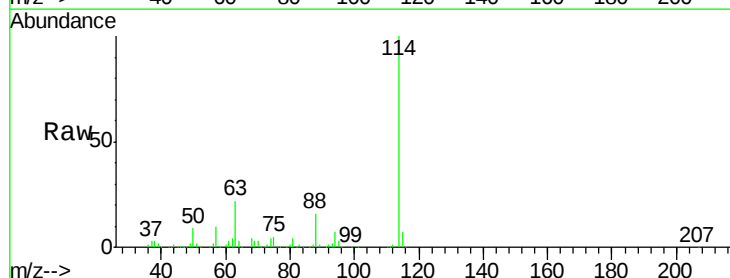
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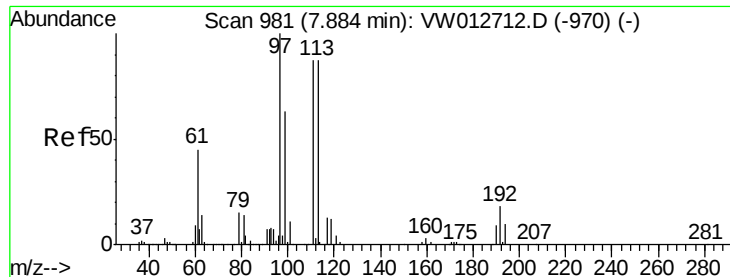
MMDadoda
 9/11/2019 8:15:41 AM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1138
 Delta R.T. 0.00 min
 Lab File: VW012816.D
 Acq: 09 Sep 2019 12:57

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	353701		
63	22.5	0.0	47.2	
88	15.9	0.0	34.0	





#35

Dibromofluoromethane

Concen: 47.846 ug/l

RT: 7.88 min Scan# 980

Delta R.T. -0.01 min

Lab File: VW012816.D

Acq: 09 Sep 2019 12:57

Instrument :

MSVOA_W

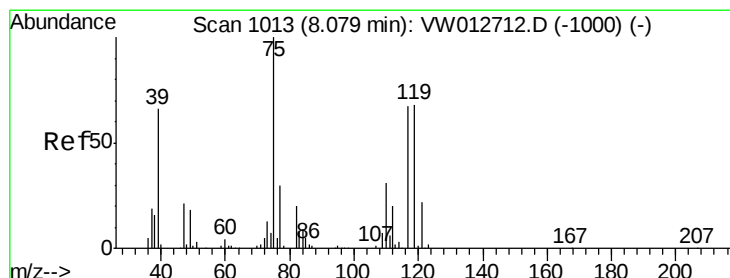
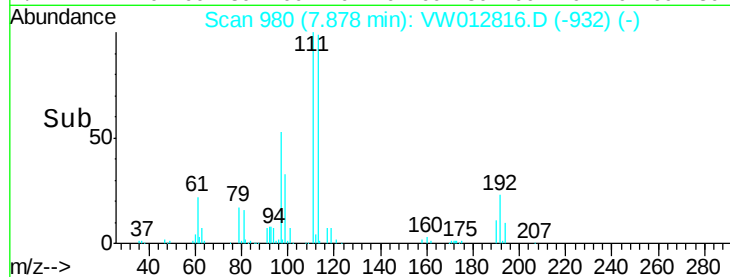
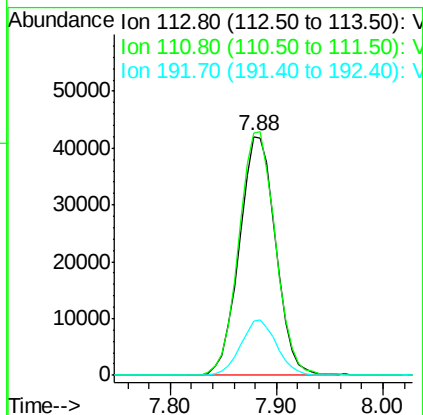
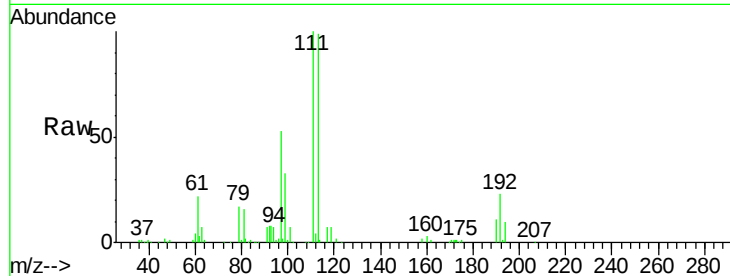
ClientSampleId :

VW0909SBS01

Tot Ion:	113	Resp:	100613
Ion	Ratio	Lower	Upper
113	100		
111	103.0	80.2	120.4
192	22.8	17.3	25.9

Manual Integrations
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#36

1,1-Dichloropropene

Concen: 19.793 ug/l

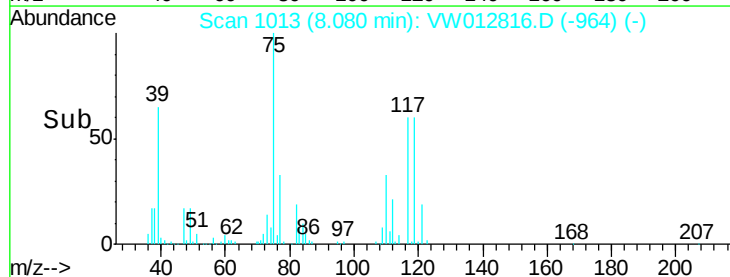
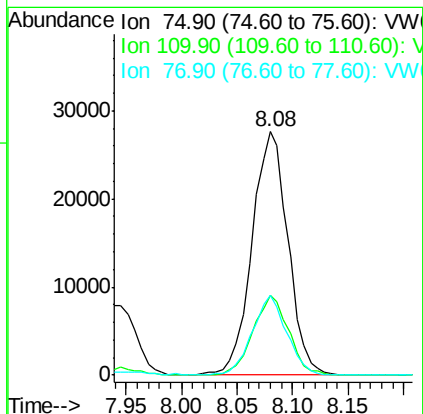
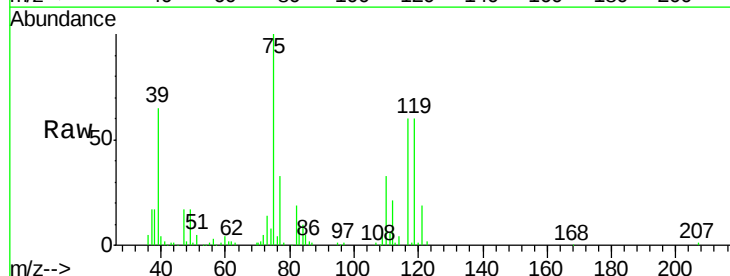
RT: 8.08 min Scan# 1013

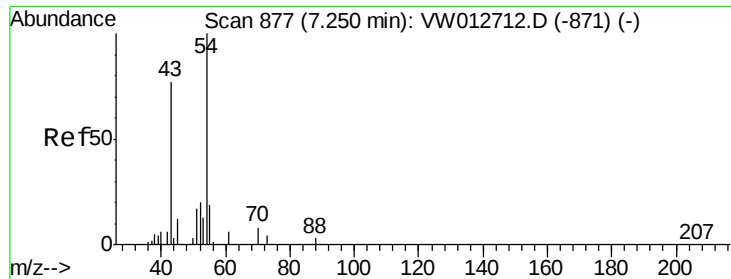
Delta R.T. 0.00 min

Lab File: VW012816.D

Acq: 09 Sep 2019 12:57

Tgt Ion:	75	Resp:	62205
Ion	Ratio	Lower	Upper
75	100		
110	32.6	15.9	47.7
77	31.4	25.0	37.4





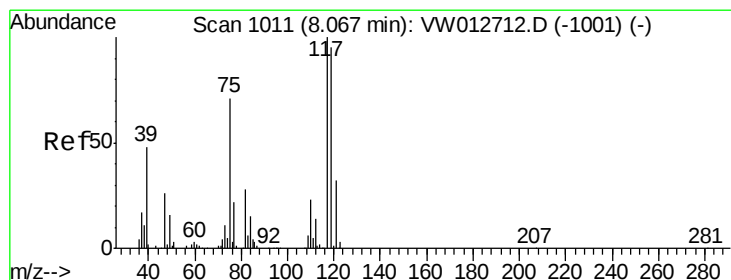
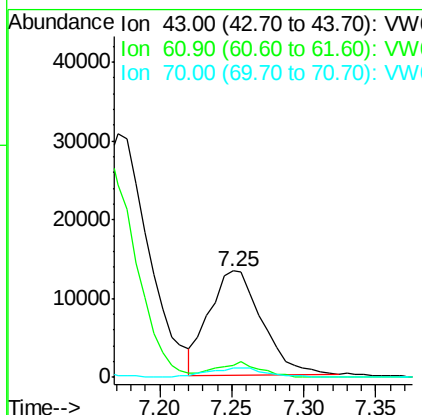
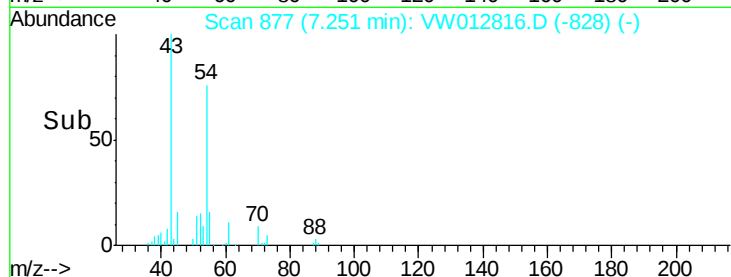
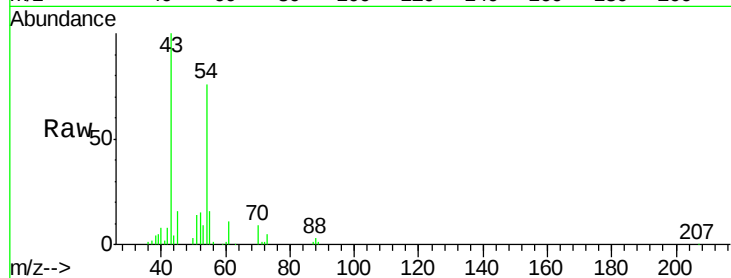
#37
Ethyl Acetate
Concen: 16.791 ug/l
RT: 7.25 min Scan# 877
Delta R.T. 0.00 min
Lab File: VW012816.D
Acq: 09 Sep 2019 12:57

Instrument :
MSVOA_W
ClientSampleId :
VW0909SBS01

Tot Ion	Ratio	Lower	Upper
43	100		
61	12.1	9.5	14.3
70	10.3	7.0	10.6

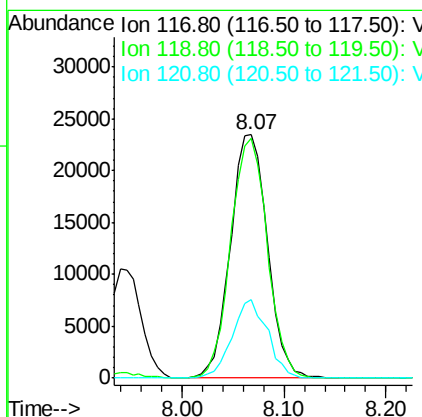
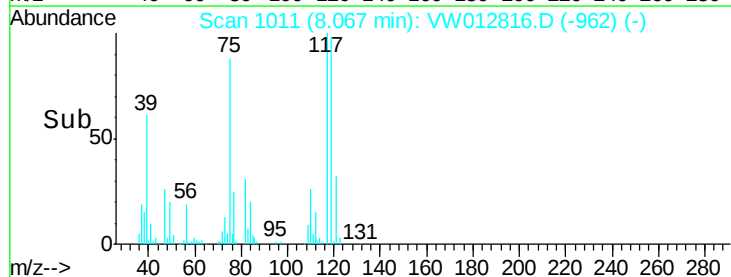
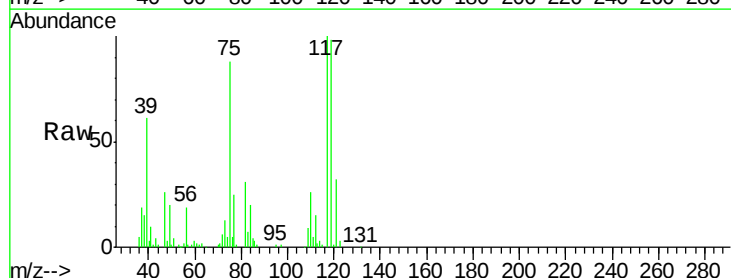
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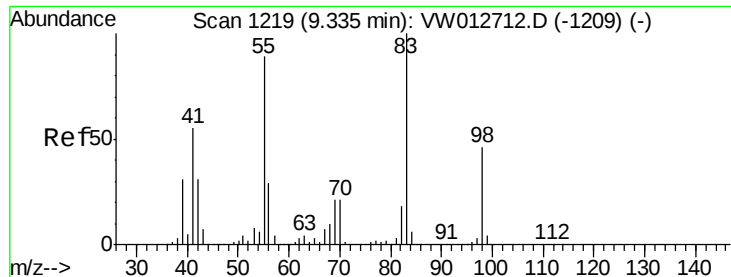
MMDadoda
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#38
Carbon Tetrachloride
Concen: 19.109 ug/l
RT: 8.07 min Scan# 1011
Delta R.T. 0.00 min
Lab File: VW012816.D
Acq: 09 Sep 2019 12:57

Tgt Ion	Ratio	Lower	Upper
117	100		
119	98.3	76.2	114.2
121	32.0	25.4	38.2





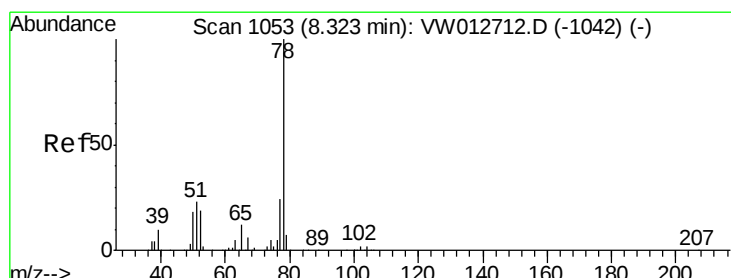
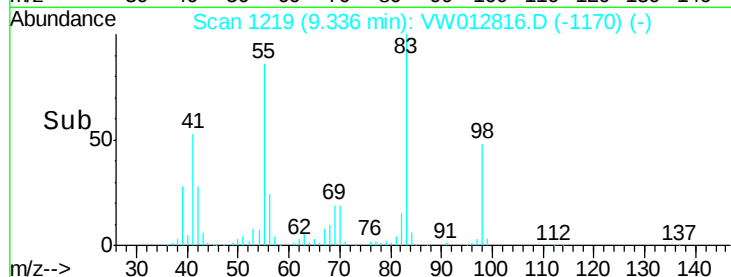
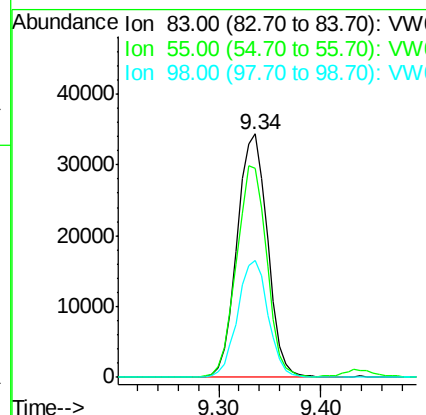
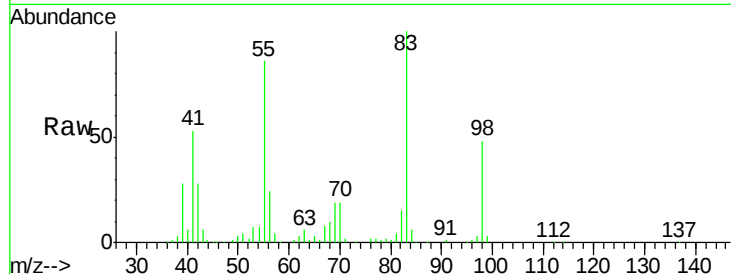
#39
Methvlcvclohexane
Concen: 20.180 ug/l
RT: 9.34 min Scan# 1219
Delta R.T. 0.00 min
Lab File: VW012816.D
Acq: 09 Sep 2019 12:57

Instrument :
MSVOA_W
ClientSampleId :
VW0909SBS01

Tot Ion	Ratio	Lower	Upper
83	100		
55	85.9	71.0	106.4
98	48.2	36.9	55.3

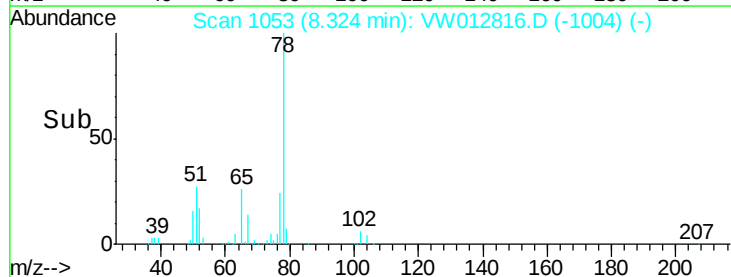
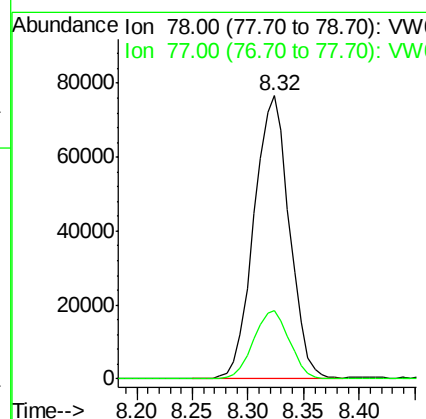
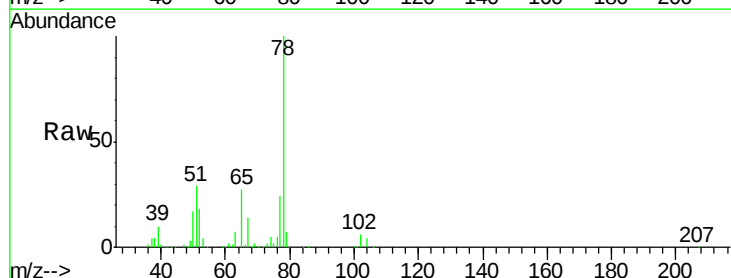
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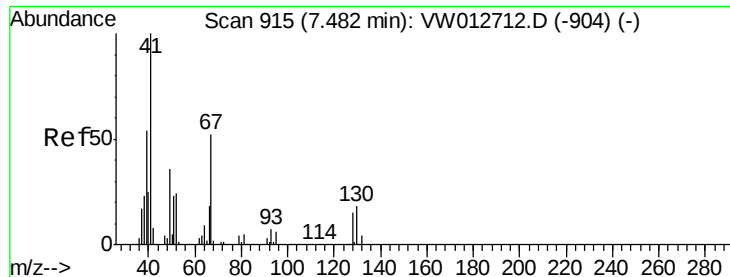
MMDadoda
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#40
Benzene
Concen: 19.513 ug/l
RT: 8.32 min Scan# 1053
Delta R.T. 0.00 min
Lab File: VW012816.D
Acq: 09 Sep 2019 12:57

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.9	19.3	28.9





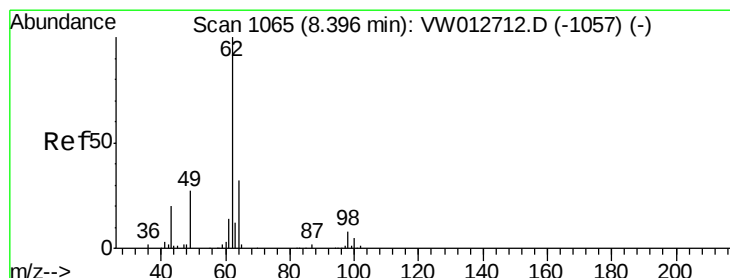
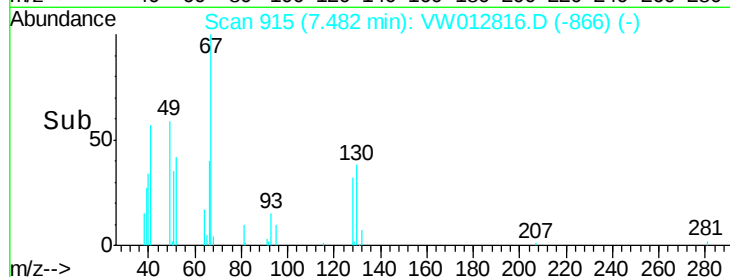
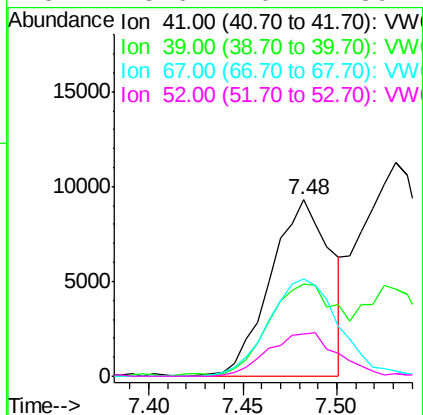
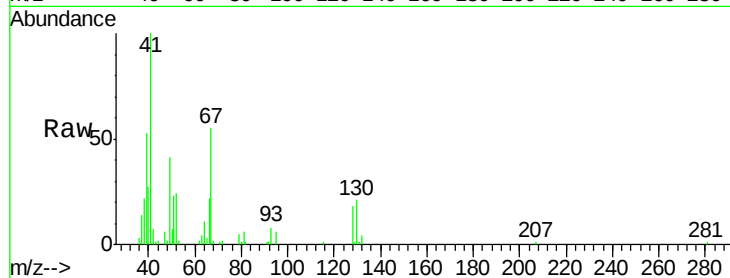
#41
Methacrylonitrile
Concen: 17.856 ug/l
RT: 7.48 min Scan# 915
Delta R.T. 0.00 min
Lab File: VW012816.D
Acq: 09 Sep 2019 12:57

Instrument :
MSVOA_W
ClientSampleId :
VW0909SBS01

Tot Ion	Ion	Ratio	Lower	Upper
41	41	100		
39	39	61.9	47.5	71.3
67	67	65.0	45.1	67.7
52	52	28.6	20.2	30.2

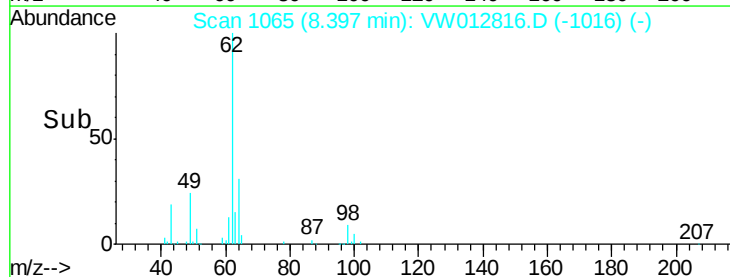
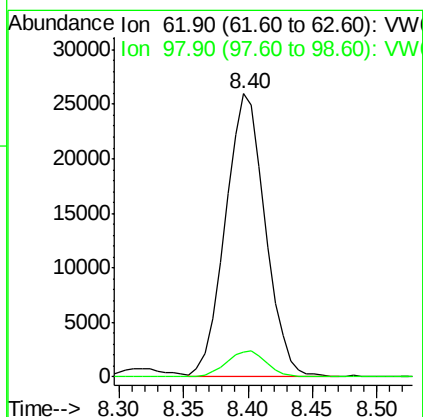
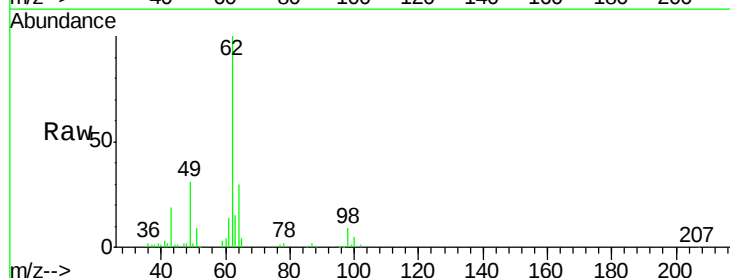
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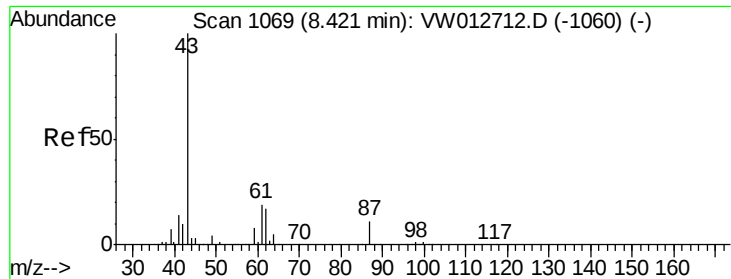
MMDadoda
9/11/2019 8:15:41 AM



#42
1,2-Dichloroethane
Concen: 18.273 ug/l
RT: 8.40 min Scan# 1065
Delta R.T. 0.00 min
Lab File: VW012816.D
Acq: 09 Sep 2019 12:57

Tgt Ion	Ion	Ratio	Lower	Upper
62	62	100		
98	98	9.3	0.0	16.2





#43

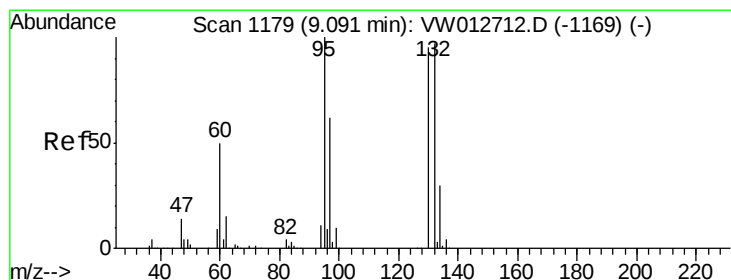
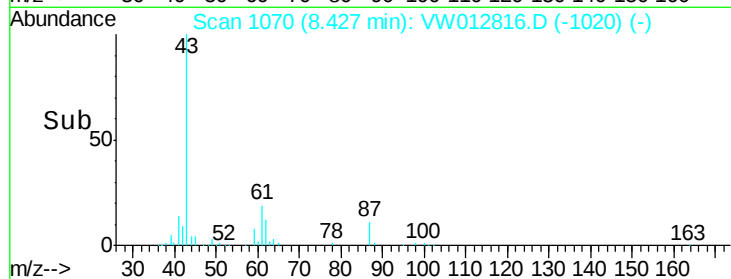
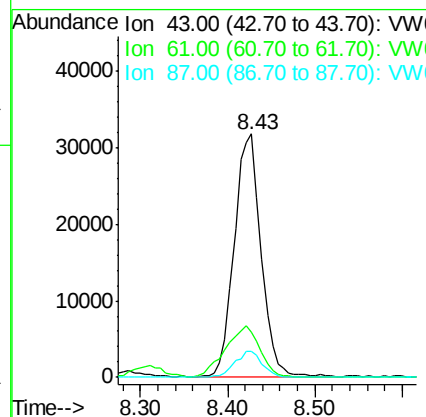
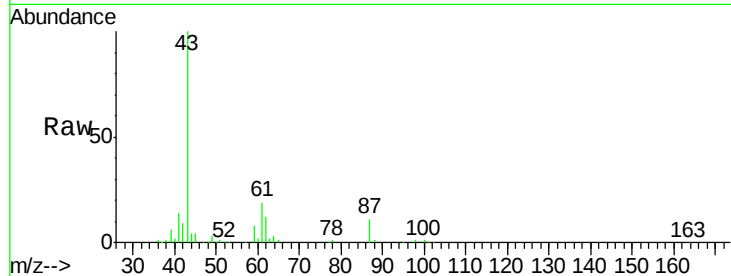
Isopropyl Acetate
 Concen: 17.942 ug/l
 RT: 8.43 min Scan# 1070
 Delta R.T. 0.01 min
 Lab File: VW012816.D
 Acq: 09 Sep 2019 12:57

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0909SBS01

Tot Ion	Ratio	Lower	Upper
43	100		
61	27.2	20.6	30.8
87	11.0	8.6	13.0

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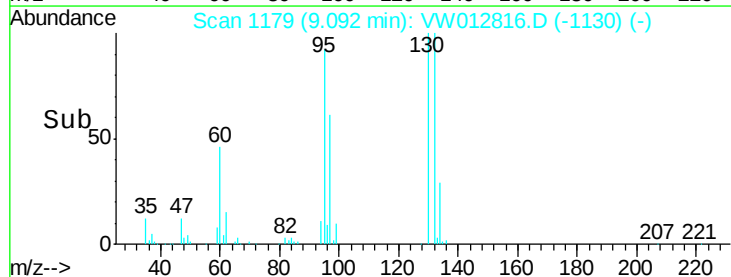
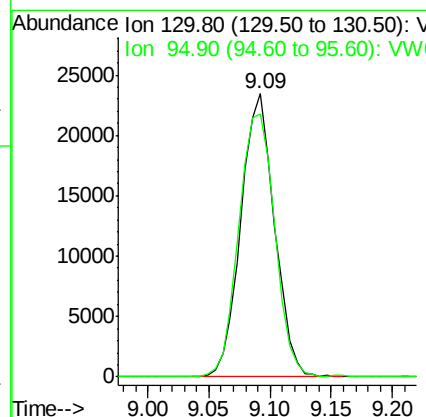
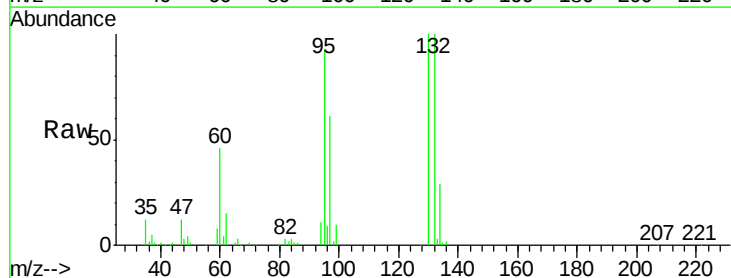
MMDadoda
 9/11/2019 8:15:41 AM

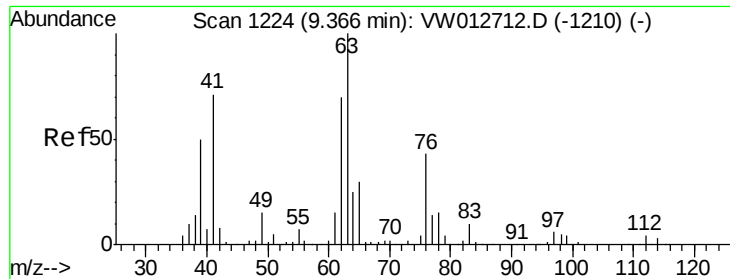


#44

Trichloroethene
 Concen: 19.894 ug/l
 RT: 9.09 min Scan# 1179
 Delta R.T. 0.00 min
 Lab File: VW012816.D
 Acq: 09 Sep 2019 12:57

Tgt Ion	Ratio	Lower	Upper
130	100		
95	92.7	0.0	210.6





#45

1,2-Dichloropropane

Concen: 18.899 ug/l

RT: 9.37 min Scan# 1224

Delta R.T. 0.00 min

Lab File: VW012816.D

Acq: 09 Sep 2019 12:57

Instrument :

MSVOA_W

ClientSampleId :

VW0909SBS01

Tot Ion: 63 Resp: 45705

Ion Ratio Lower Upper

63 100

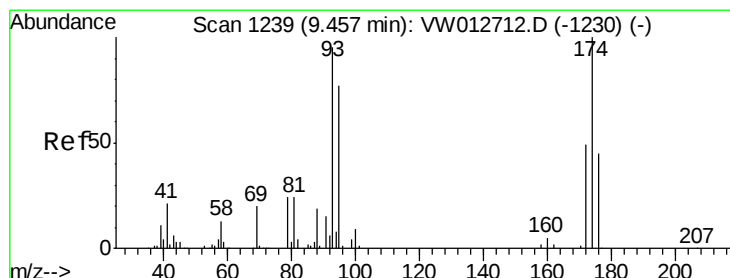
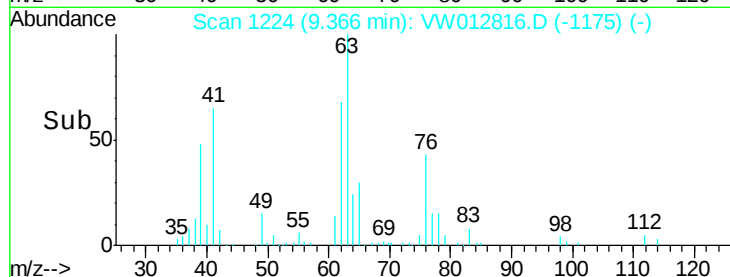
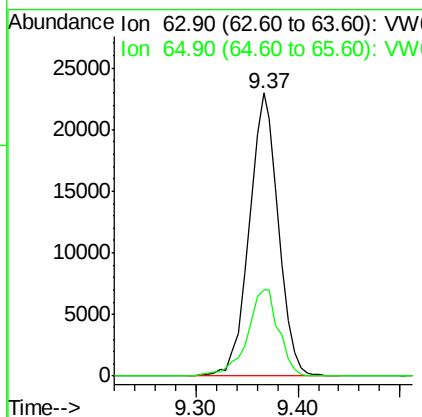
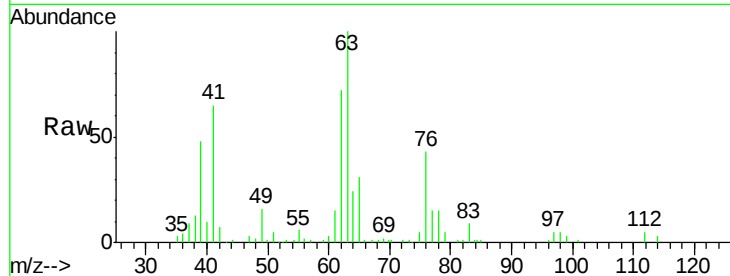
65 30.7 23.8 35.8

Manual Integrations

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9/11/2019 8:15:41 AM



#46

Dibromomethane

Concen: 18.799 ug/l

RT: 9.46 min Scan# 1239

Delta R.T. 0.00 min

Lab File: VW012816.D

Acq: 09 Sep 2019 12:57

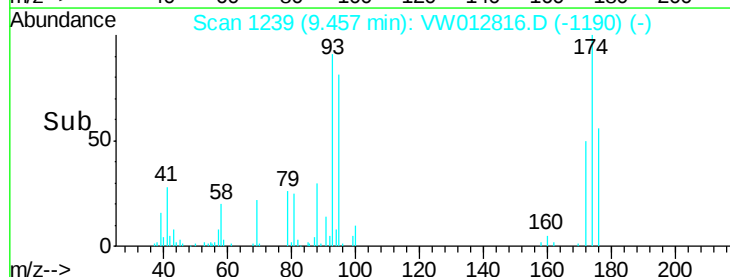
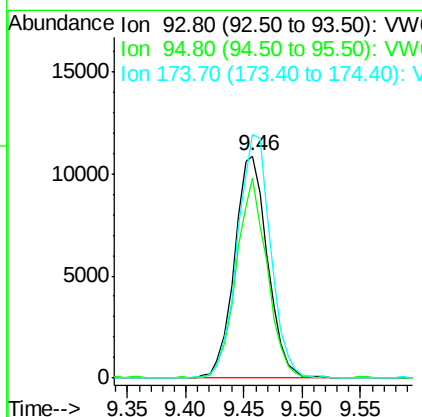
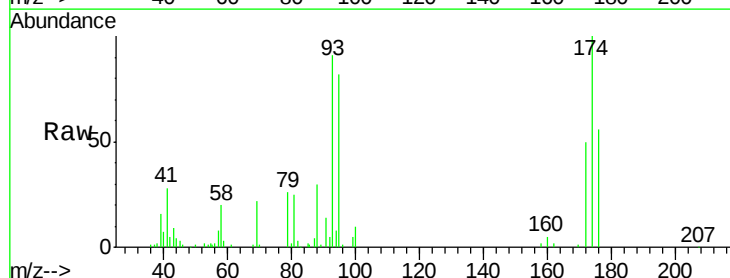
Tgt Ion: 93 Resp: 21529

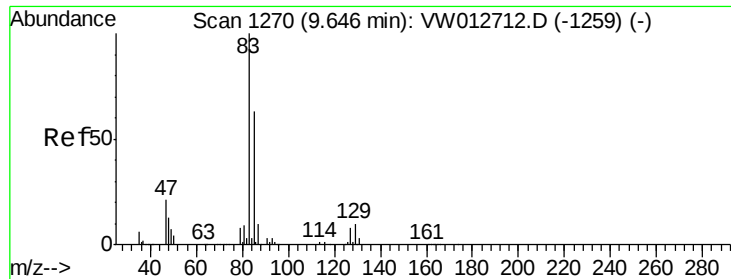
Ion Ratio Lower Upper

93 100

95 84.0 65.2 97.8

174 110.0 84.2 126.4





#47

Bromodichloromethane

Concen: 18.487 ug/l

RT: 9.65 min Scan# 1270

Delta R.T. 0.00 min

Lab File: VW012816.D

Acq: 09 Sep 2019 12:57

Instrument :

MSVOA_W

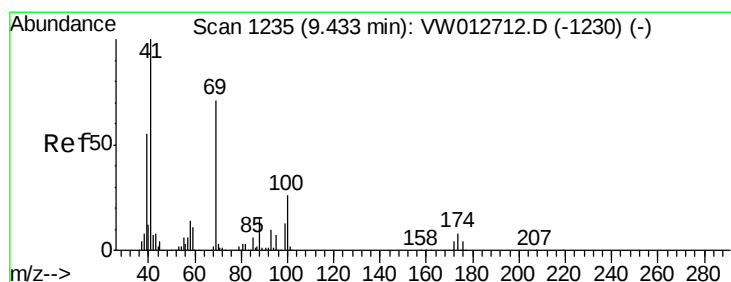
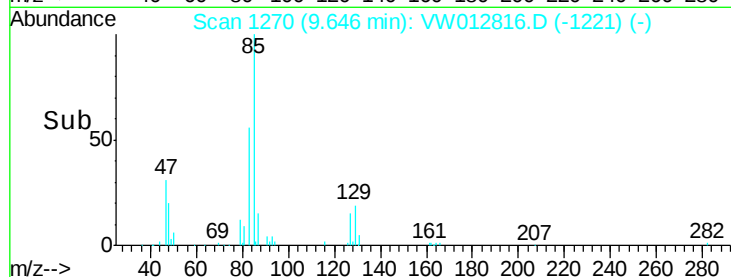
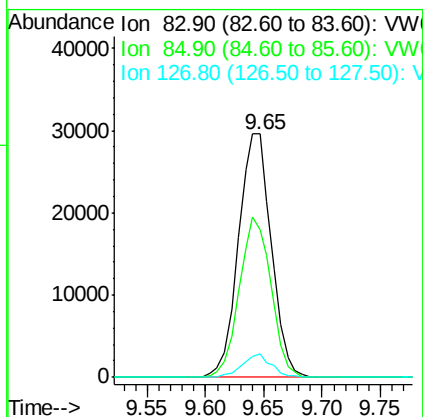
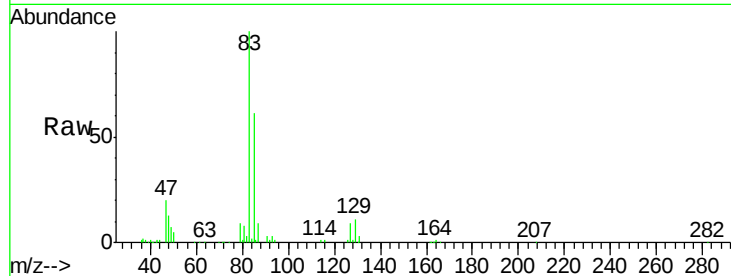
ClientSampleId :

VW0909SBS01

Tot Ion:	83	Resp:	58246
Ion	Ratio	Lower	Upper
83	100		
85	60.8	50.2	75.2
127	9.4	6.6	9.8

Manual Integrations
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#48

Methyl methacrylate

Concen: 17.098 ug/l

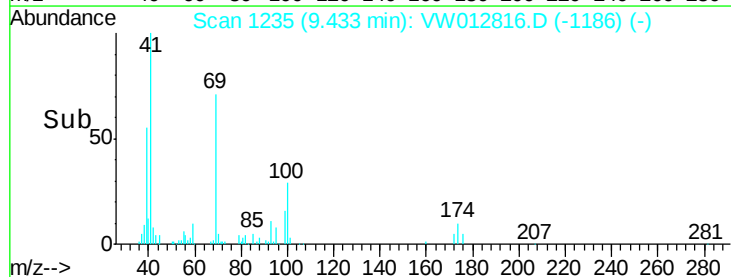
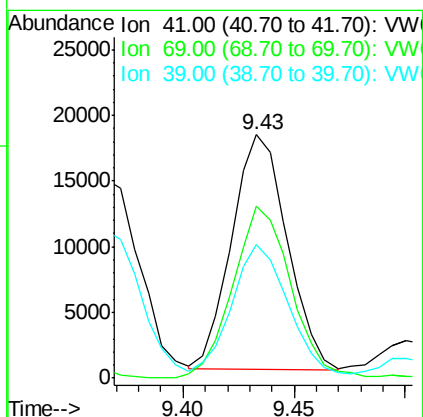
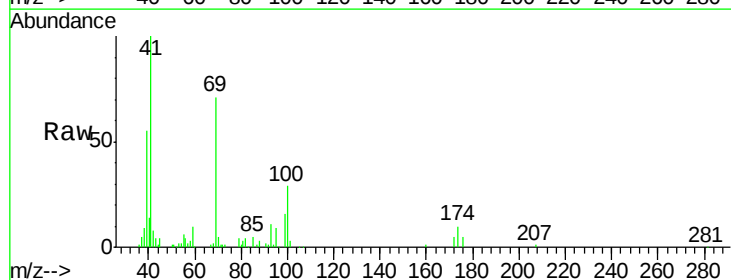
RT: 9.43 min Scan# 1235

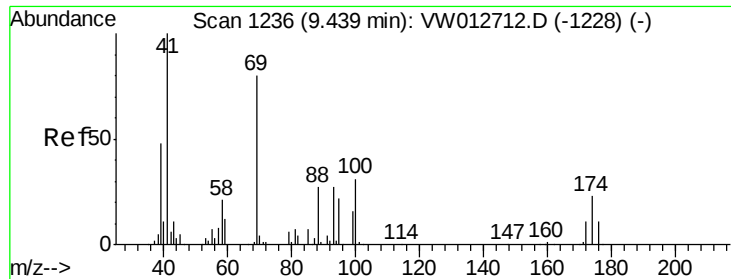
Delta R.T. 0.00 min

Lab File: VW012816.D

Acq: 09 Sep 2019 12:57

Tgt Ion:	41	Resp:	31014
Ion	Ratio	Lower	Upper
41	100		
69	77.2	59.8	89.8
39	59.4	47.0	70.6





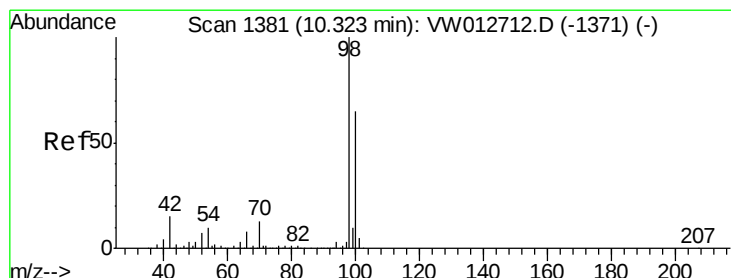
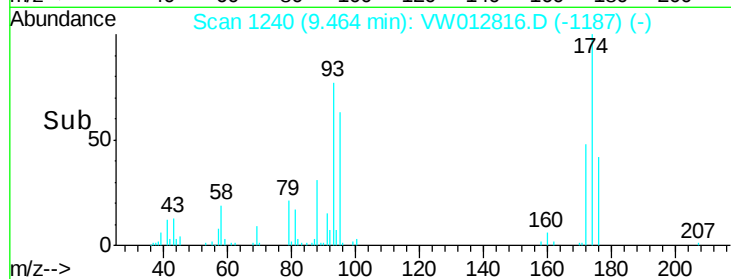
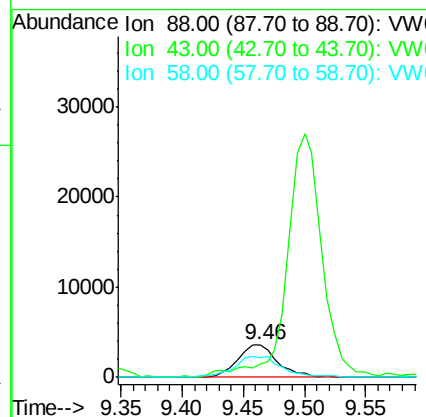
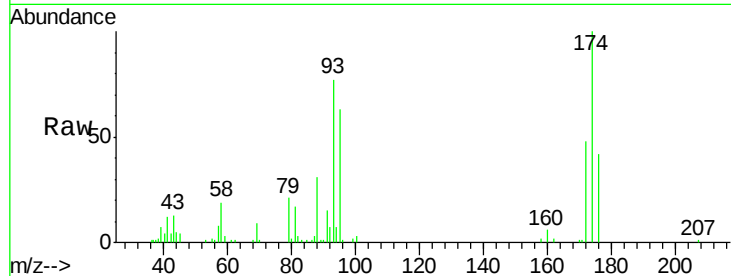
#49
1,4-Dioxane
Concen: 360.461 ug/l
RT: 9.46 min Scan# 1240
Delta R.T. 0.02 min
Lab File: VW012816.D
Acq: 09 Sep 2019 12:57

Instrument :
MSVOA_W
ClientSampleId :
VW0909SBS01

Tot Ion	Ratio	Resp	Lower	Upper
88	100	8154		
43	0.0	34.8	52.2#	
58	75.8	64.1	96.1	

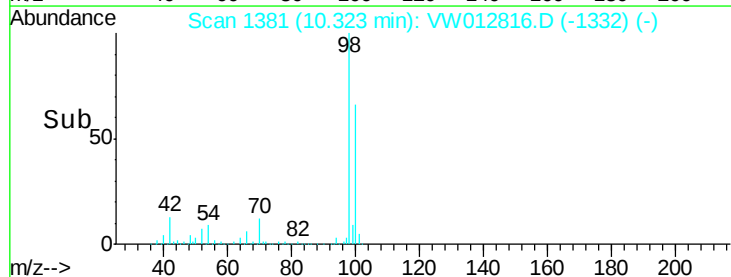
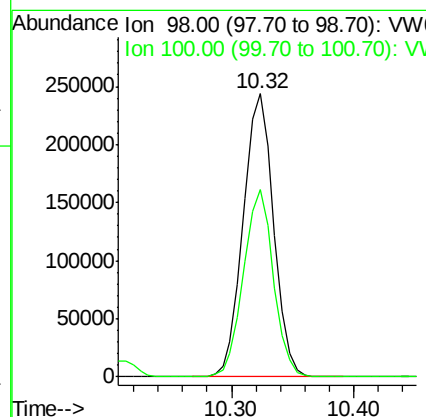
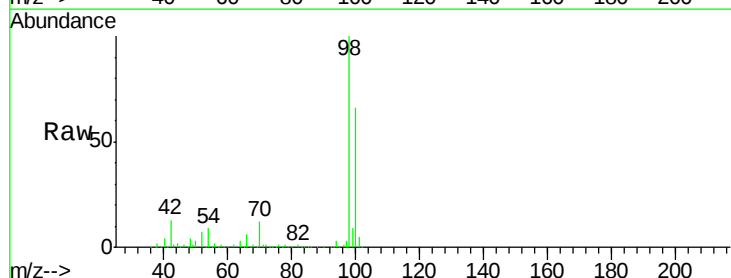
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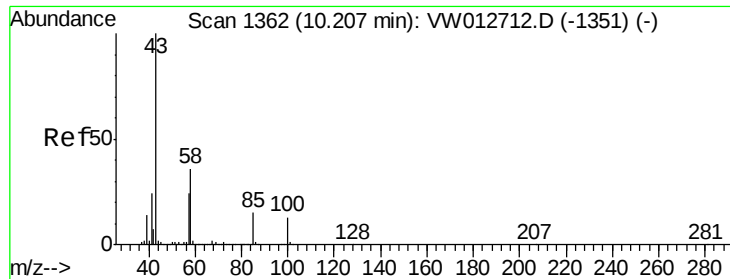
MMDadoda
9/11/2019 8:15:41 AM



#50
Toluene-d8
Concen: 50.969 ug/l
RT: 10.32 min Scan# 1381
Delta R.T. 0.00 min
Lab File: VW012816.D
Acq: 09 Sep 2019 12:57

Tgt Ion	Ratio	Resp	Lower	Upper
98	100	419910		
100	65.2	52.2	78.4	





#51

4-Methyl-2-Pentanone

Concen: 88.612 ug/l

RT: 10.21 min Scan# 1362

Delta R.T. 0.00 min

Lab File: VW012816.D

Acq: 09 Sep 2019 12:57

Instrument :

MSVOA_W

ClientSampleId :

VW0909SBS01

Tot Ion: 43 Resp: 176484

Ion Ratio Lower Upper

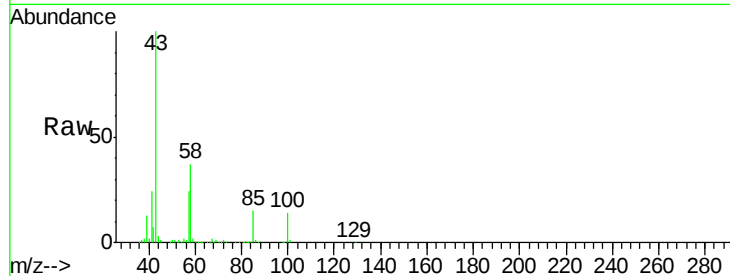
43 100

58 36.5 28.4 42.6

Manual Integrations
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MMDadoda

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Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW

120000

100000

80000

60000

40000

20000

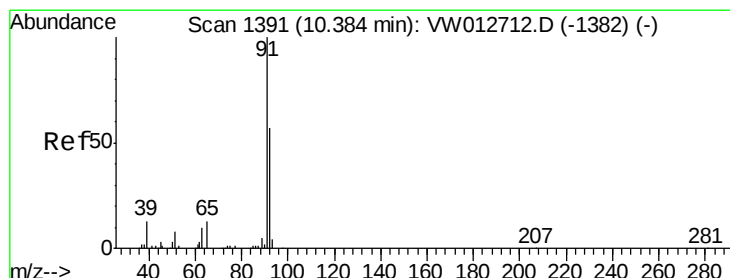
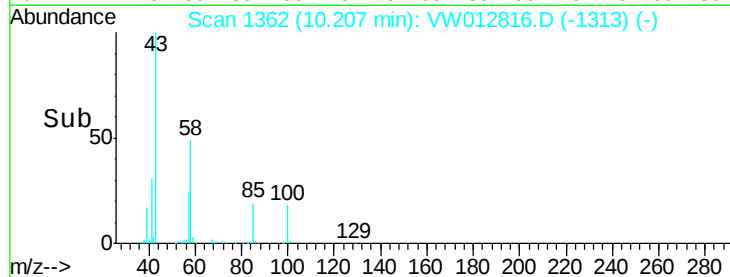
0

10.10

10.20

10.30

Time-->



#52

Toluene

Concen: 19.753 ug/l

RT: 10.38 min Scan# 1391

Delta R.T. 0.00 min

Lab File: VW012816.D

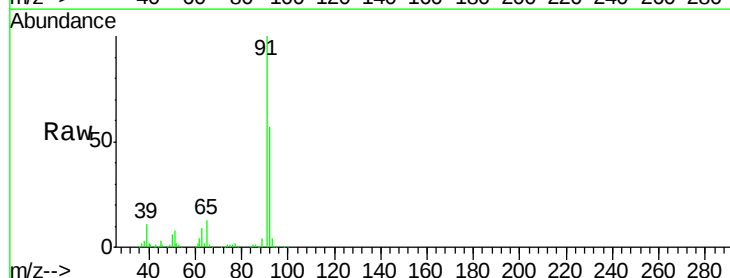
Acq: 09 Sep 2019 12:57

Tgt Ion: 92 Resp: 107501

Ion Ratio Lower Upper

92 100

91 171.2 137.0 205.4



Abundance Ion 92.00 (91.70 to 92.70): VW

Ion 91.00 (90.70 to 91.70): VW

120000

100000

80000

60000

40000

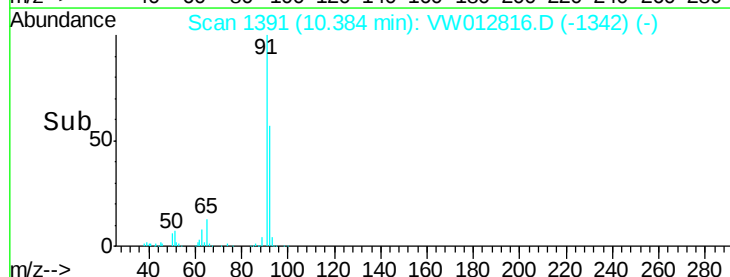
20000

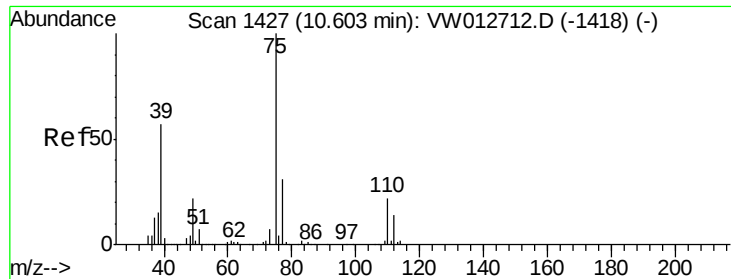
0

10.30

10.40

Time-->





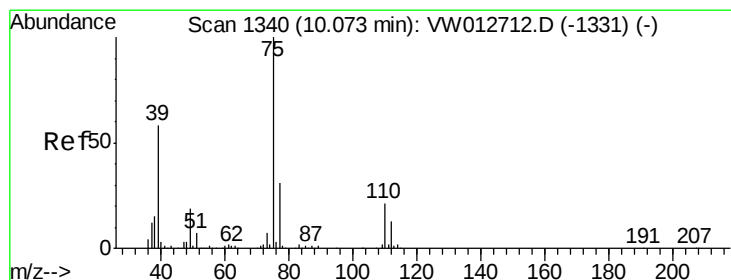
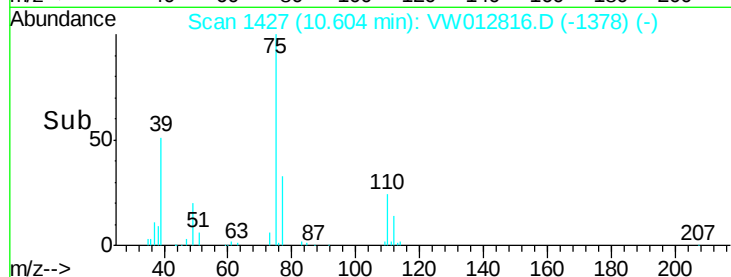
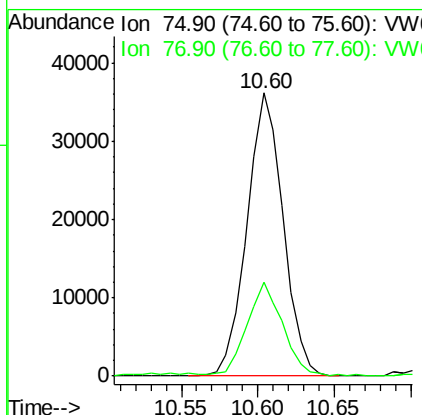
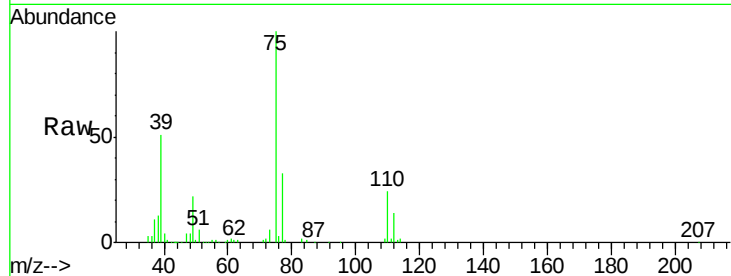
#53
t-1,3-Dichloropropene
Concen: 18.367 ug/l
RT: 10.60 min Scan# 1427
Delta R.T. 0.00 min
Lab File: VW012816.D
Acq: 09 Sep 2019 12:57

Instrument :
MSVOA_W
ClientSampleId :
VW0909SBS01

Tot Ion: 75 Resp: 59506
Ion Ratio Lower Upper
75 100
77 32.5 24.7 37.1

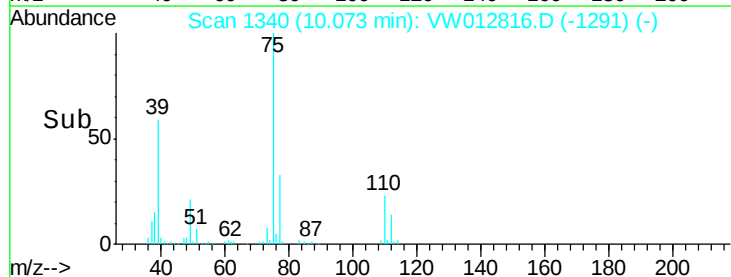
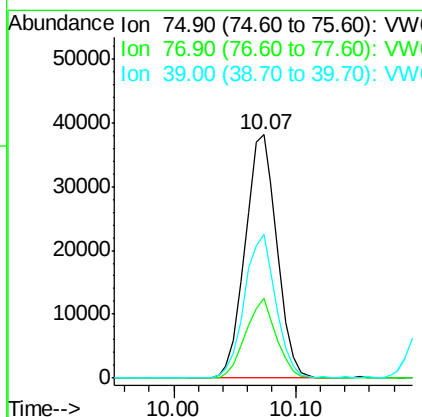
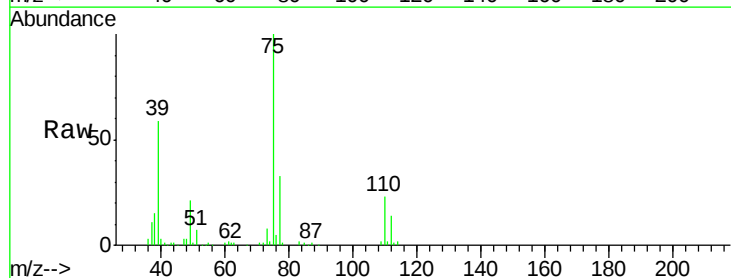
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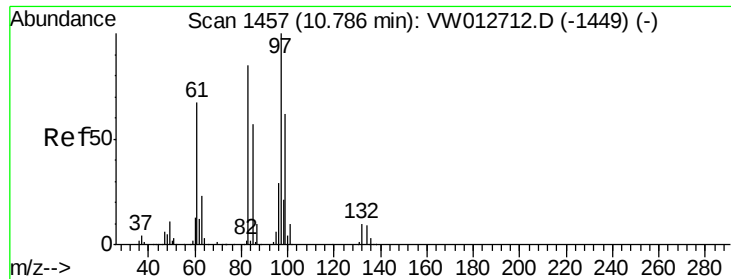
MMDadoda
9/11/2019 8:15:41 AM



#54
cis-1,3-Dichloropropene
Concen: 18.726 ug/l
RT: 10.07 min Scan# 1340
Delta R.T. 0.00 min
Lab File: VW012816.D
Acq: 09 Sep 2019 12:57

Tgt Ion: 75 Resp: 68824
Ion Ratio Lower Upper
75 100
77 32.8 24.6 36.8
39 58.8 46.3 69.5





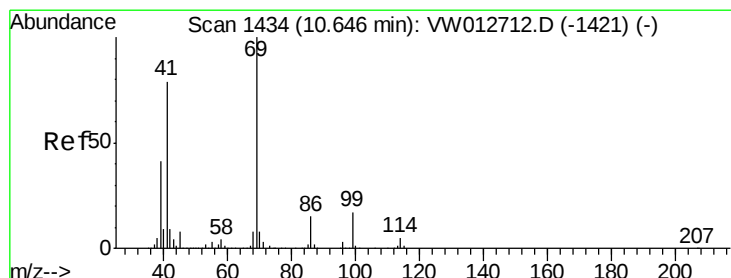
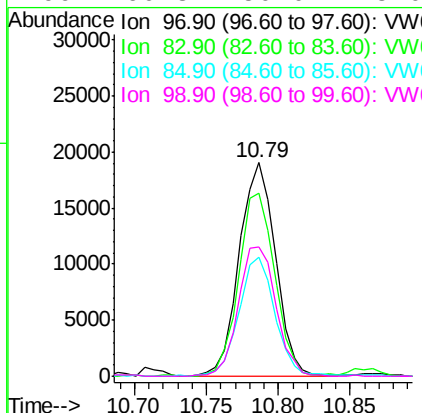
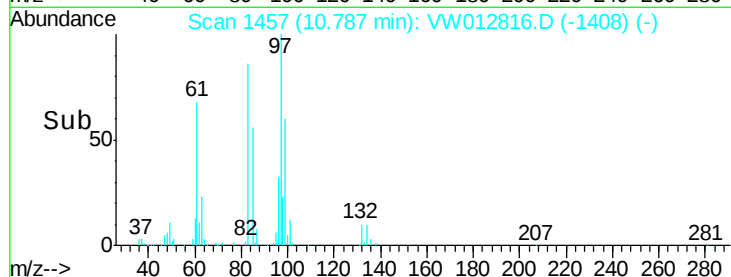
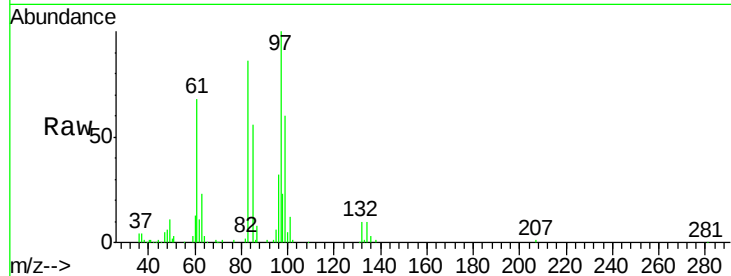
#55
 1,1,2-Trichloroethane
 Concen: 19.393 ug/l
 RT: 10.79 min Scan# 1457
 Delta R.T. 0.00 min
 Lab File: VW012816.D
 Acq: 09 Sep 2019 12:57

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0909SBSD01

Tot Ion:	97	Resp:	33249
Ion	Ratio	Lower	Upper
97	100		
83	85.7	68.1	102.1
85	56.0	45.3	67.9
99	60.3	50.0	75.0

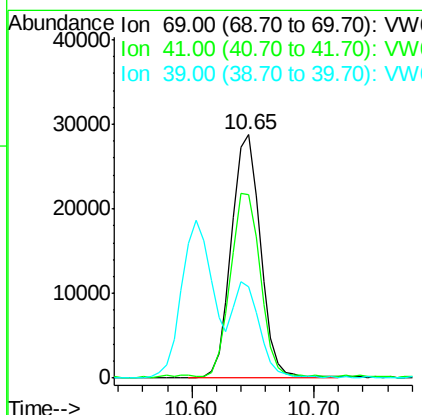
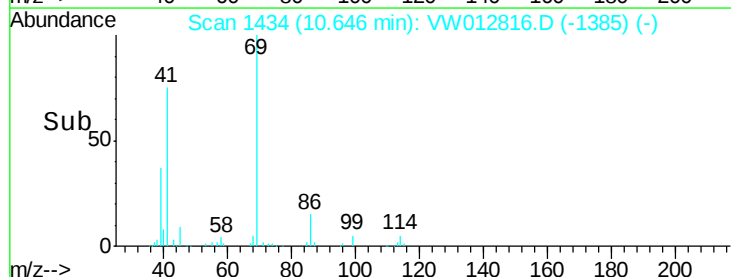
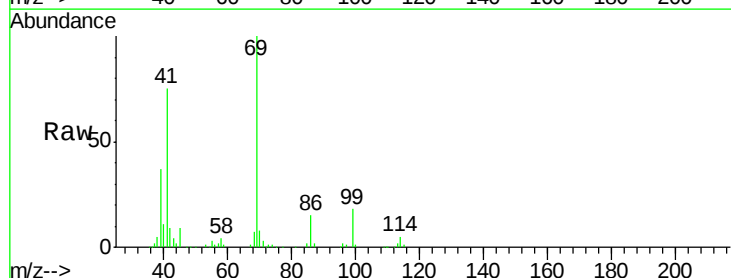
Manual Integrations
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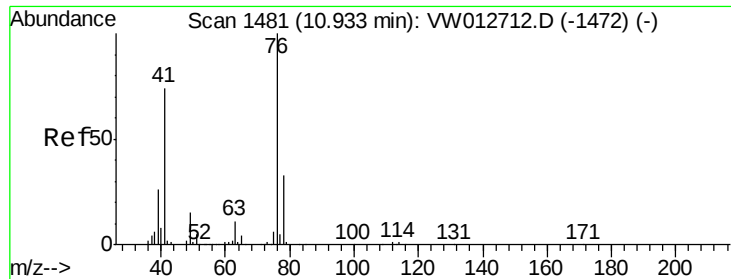
MMDadoda
 9/11/2019 8:15:41 AM



#56
 Ethyl methacrylate
 Concen: 18.876 ug/l
 RT: 10.65 min Scan# 1434
 Delta R.T. 0.00 min
 Lab File: VW012816.D
 Acq: 09 Sep 2019 12:57

Tgt Ion:	69	Resp:	47372
Ion	Ratio	Lower	Upper
69	100		
41	77.0	64.4	96.6
39	36.6	31.1	46.7





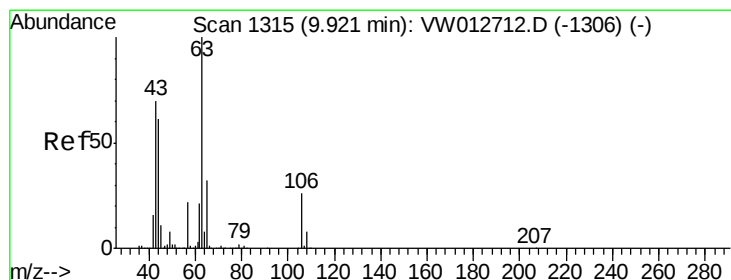
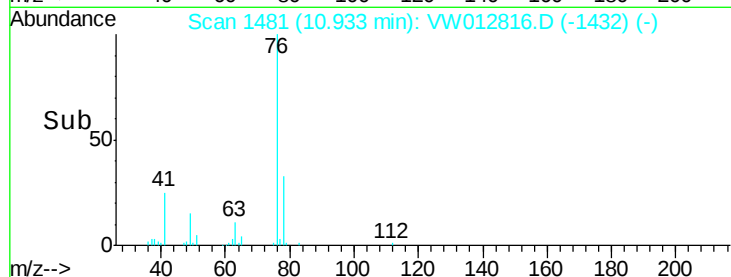
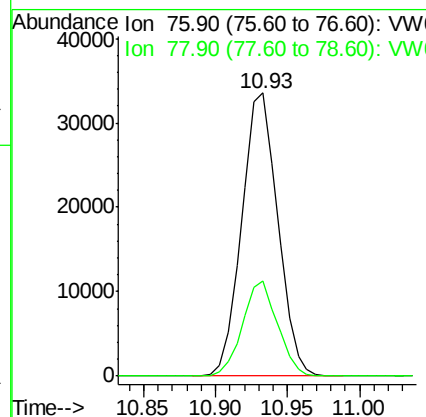
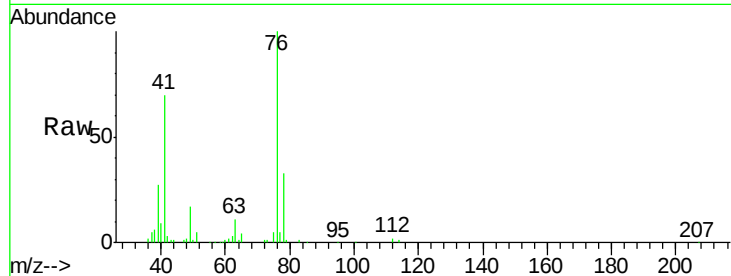
#57
 1,3-Dichloropropane
 Concen: 18.381 ug/l
 RT: 10.93 min Scan# 1481
 Delta R.T. 0.00 min
 Lab File: VW012816.D
 Acq: 09 Sep 2019 12:57

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0909SBSD01

Tot Ion	Ion	Ratio	Lower	Upper
76	100			
78	32.7	25.9	38.9	

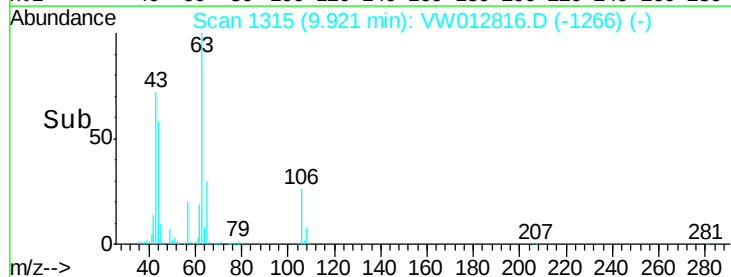
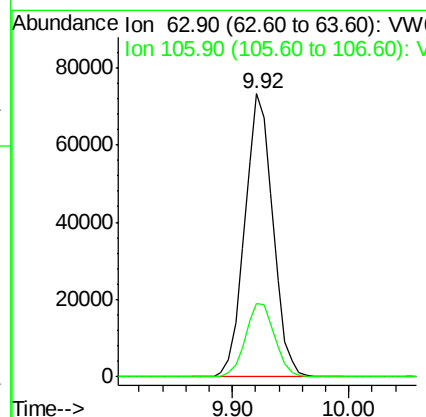
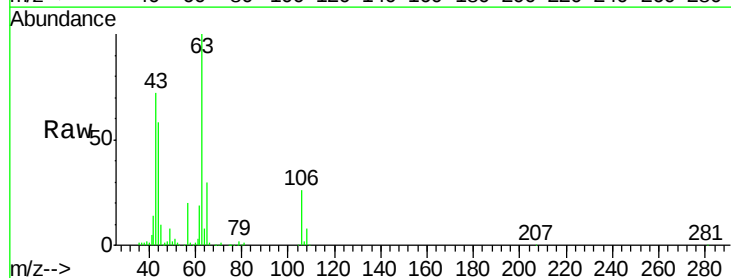
Manual Integrations
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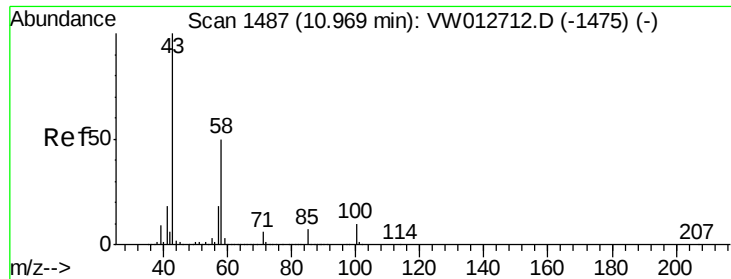
MMDadoda
 9/11/2019 8:15:41 AM



#58
 2-Chloroethyl Vinyl ether
 Concen: 92.551 ug/l
 RT: 9.92 min Scan# 1315
 Delta R.T. 0.00 min
 Lab File: VW012816.D
 Acq: 09 Sep 2019 12:57

Tgt Ion	Ion	Ratio	Lower	Upper
63	100			
106	27.1	20.5	30.7	





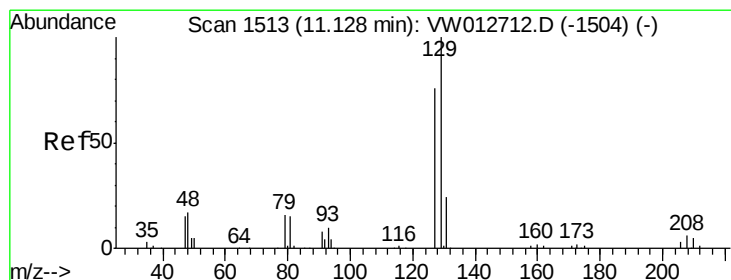
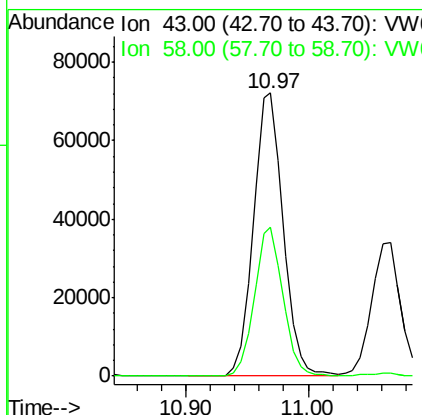
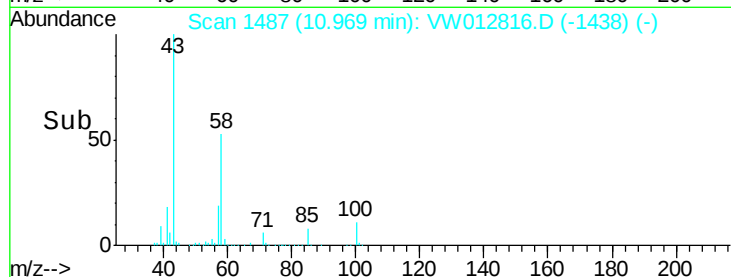
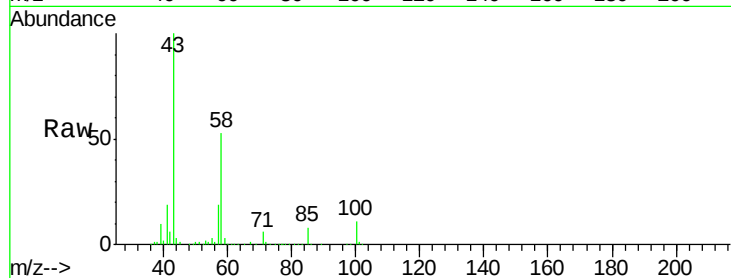
#59
2-Hexanone
Concen: 84.271 ug/l
RT: 10.97 min Scan# 1487
Delta R.T. 0.00 min
Lab File: VW012816.D
Acq: 09 Sep 2019 12:57

Instrument :
MSVOA_W
ClientSampleId :
VW0909SBSD01

Tot Ion: 43 Resp: 122619
Ion Ratio Lower Upper
43 100
58 50.4 24.7 74.1

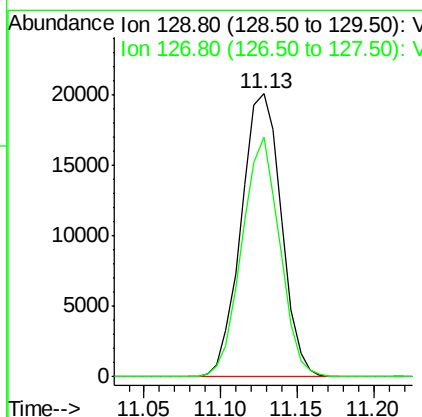
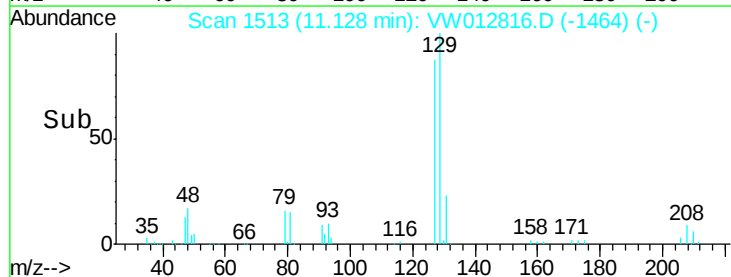
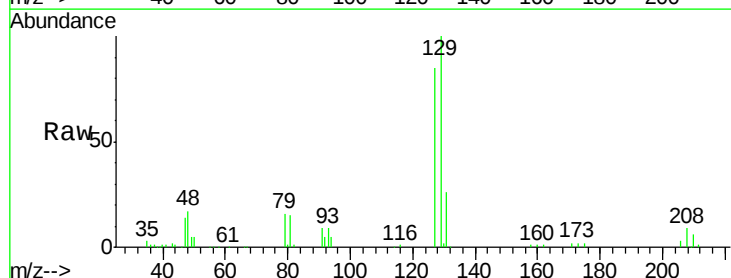
Manual Integrations
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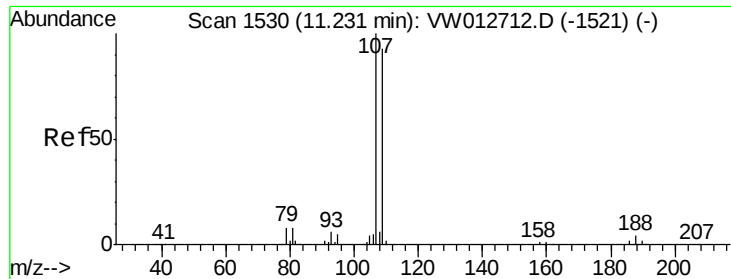
MMDadoda
9/11/2019 8:15:41 AM



#60
Dibromochloromethane
Concen: 18.213 ug/l
RT: 11.13 min Scan# 1513
Delta R.T. 0.00 min
Lab File: VW012816.D
Acq: 09 Sep 2019 12:57

Tgt Ion: 129 Resp: 36724
Ion Ratio Lower Upper
129 100
127 79.6 38.6 115.8





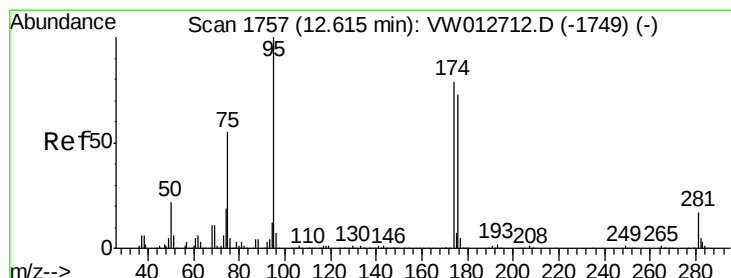
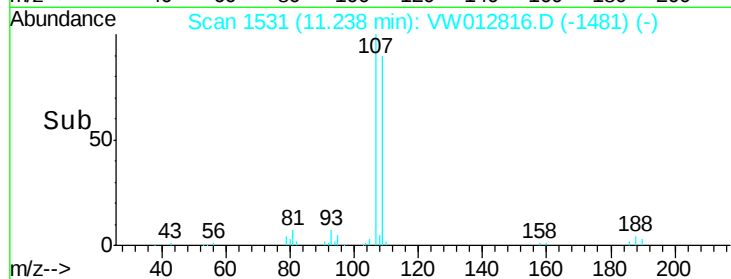
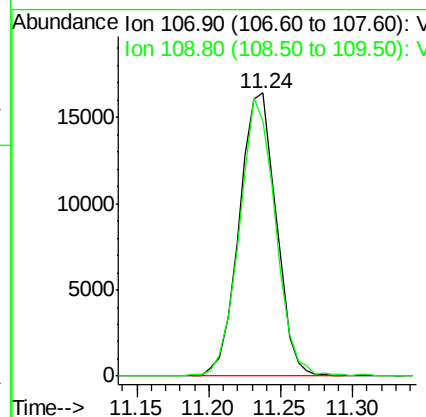
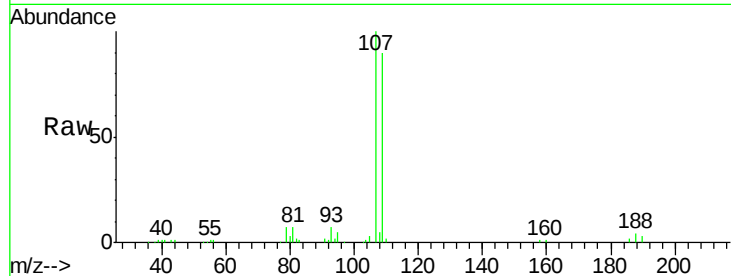
#61
 1,2-Dibromoethane
 Concen: 18.612 ug/l
 RT: 11.24 min Scan# 1531
 Delta R.T. 0.01 min
 Lab File: VW012816.D
 Acq: 09 Sep 2019 12:57

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0909SBS01

Tot Ion	Ratio	Resp	Lower	Upper
107	100	29255		
109	96.2	75.0	112.6	

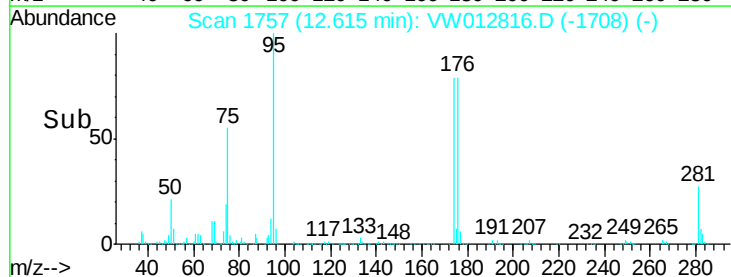
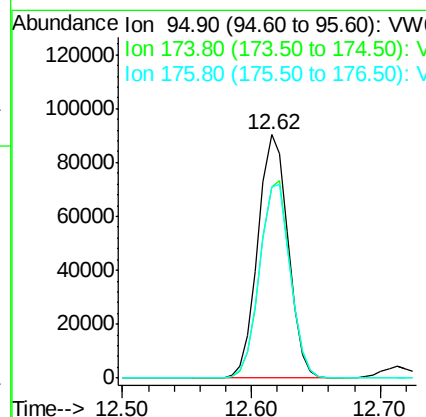
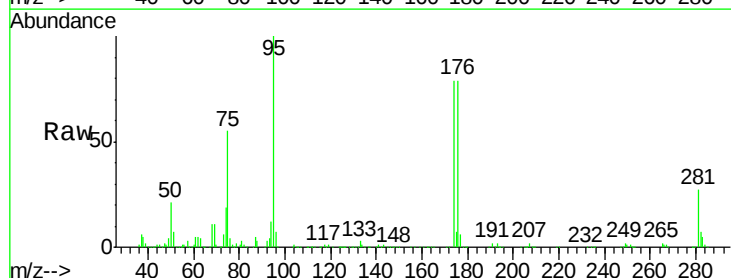
Manual Integrations
 APPROVED

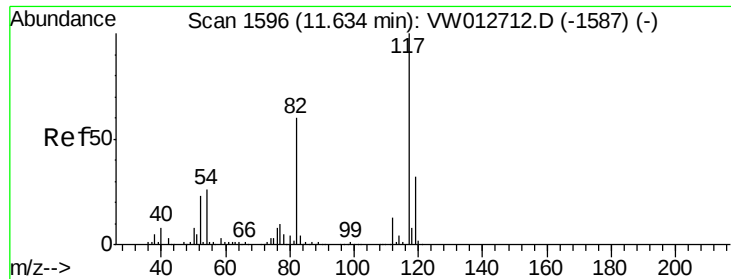
MMDadoda
 9/11/2019 8:15:41 AM



#62
 4-Bromofluorobenzene
 Concen: 48.887 ug/l
 RT: 12.62 min Scan# 1757
 Delta R.T. 0.00 min
 Lab File: VW012816.D
 Acq: 09 Sep 2019 12:57

Tgt Ion	Ratio	Resp	Lower	Upper
95	100	146213		
174	81.1	0.0	161.0	
176	81.0	0.0	156.4	





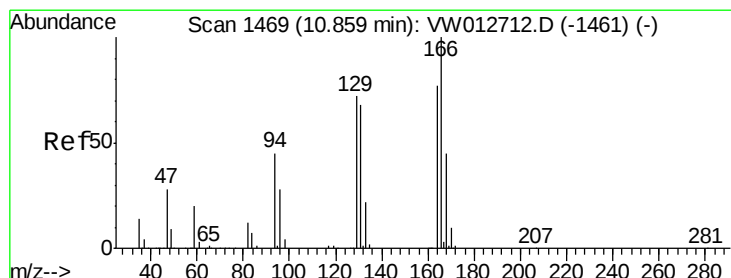
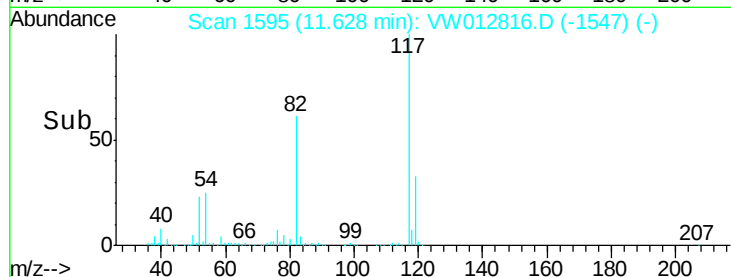
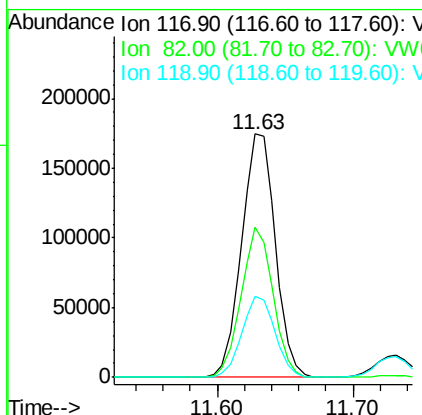
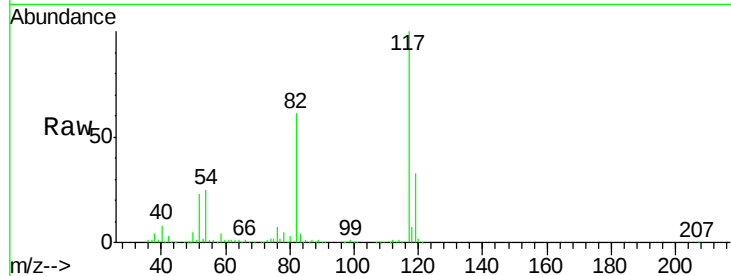
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1595
Delta R.T. -0.01 min
Lab File: VW012816.D
Acq: 09 Sep 2019 12:57

Instrument :
MSVOA_W
ClientSampleId :
VW0909SBS01

Tot Ion	Ratio	Lower	Upper
117	100		
82	61.5	48.2	72.4
119	33.3	25.8	38.6

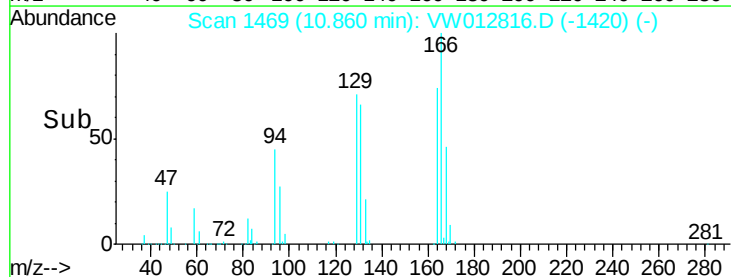
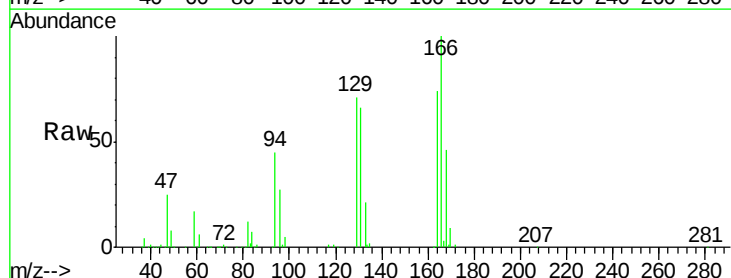
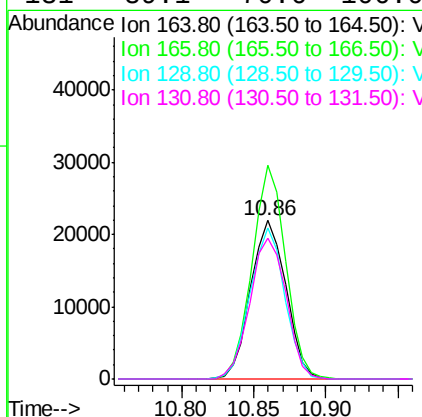
Manual Integrations
APPROVED

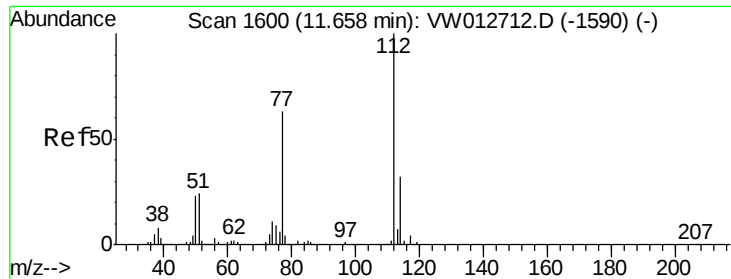
MMDadoda
9/11/2019 8:15:41 AM



#64
Tetrachloroethene
Concen: 20.186 ug/l
RT: 10.86 min Scan# 1469
Delta R.T. 0.00 min
Lab File: VW012816.D
Acq: 09 Sep 2019 12:57

Tgt Ion	Ratio	Lower	Upper
164	100		
166	134.6	103.6	155.4
129	95.2	74.6	112.0
131	89.1	70.6	106.0





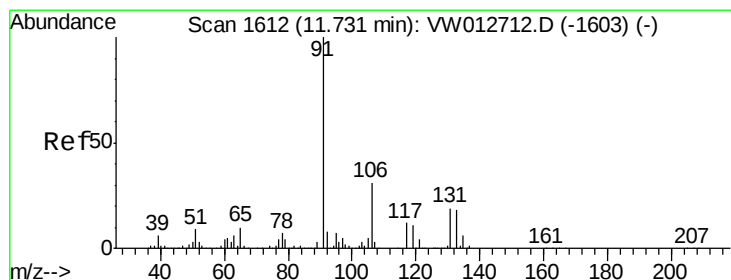
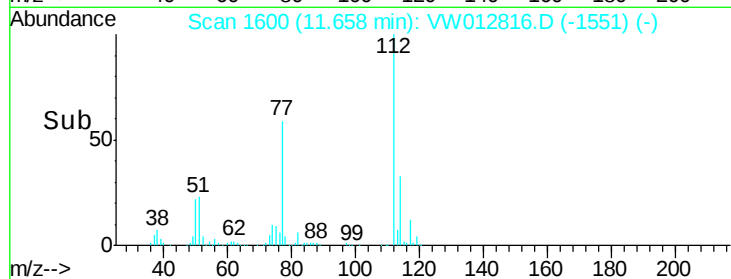
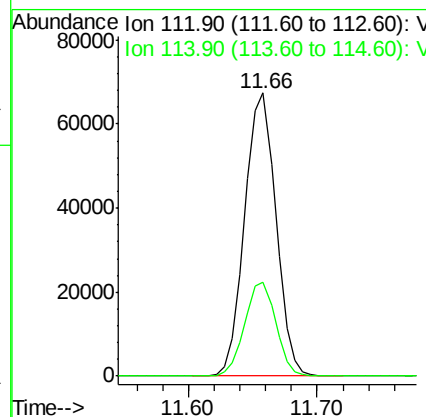
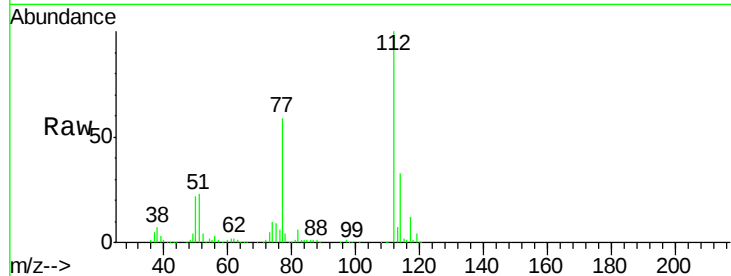
#65
Chlorobenzene
Concen: 19.746 ug/l
RT: 11.66 min Scan# 1600
Delta R.T. 0.00 min
Lab File: VW012816.D
Acq: 09 Sep 2019 12:57

Instrument :
MSVOA_W
ClientSampleId :
VW0909SBSD01

Tot Ion	Ratio	Resp	Lower	Upper
112	100	113111		
114	33.3	25.3	37.9	

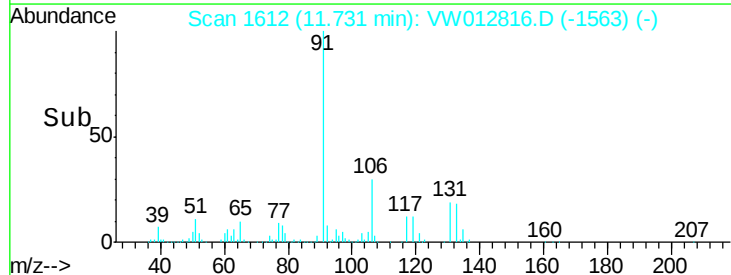
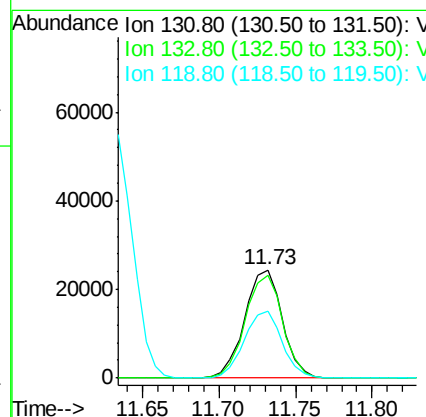
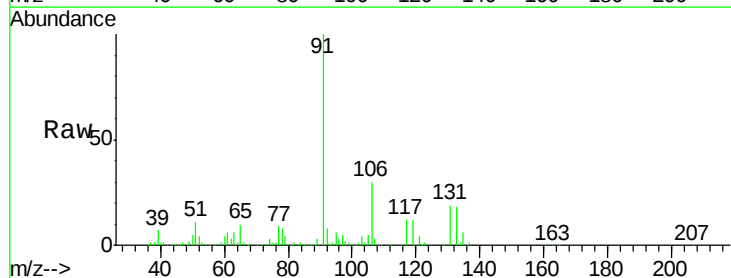
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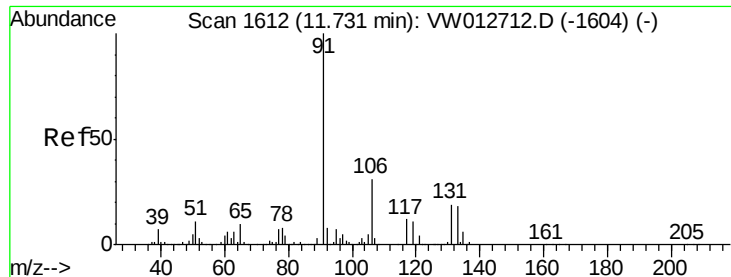
MMDadoda
9/11/2019 8:15:41 AM



#66
1,1,1,2-Tetrachloroethane
Concen: 19.615 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. 0.00 min
Lab File: VW012816.D
Acq: 09 Sep 2019 12:57

Tgt Ion	Ratio	Resp	Lower	Upper
131	100	41843		
133	94.4	47.6	142.8	
119	62.4	30.6	92.0	





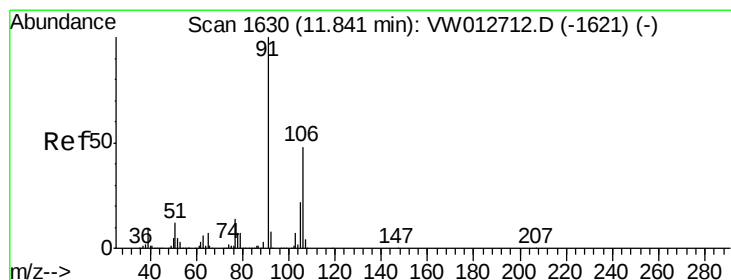
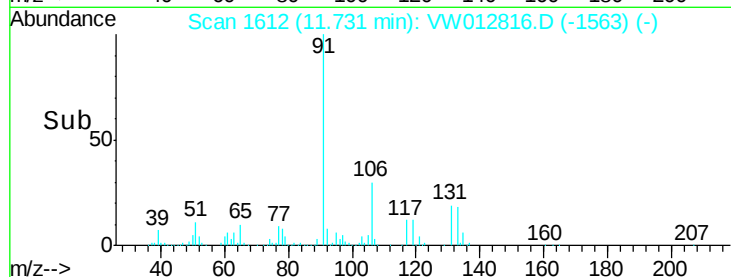
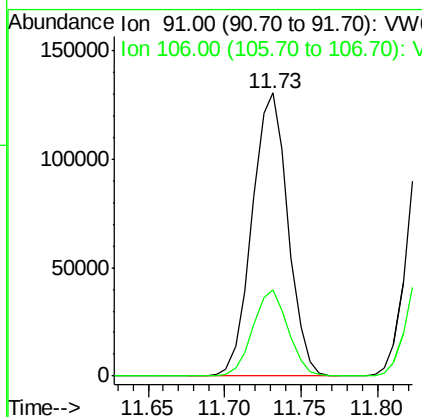
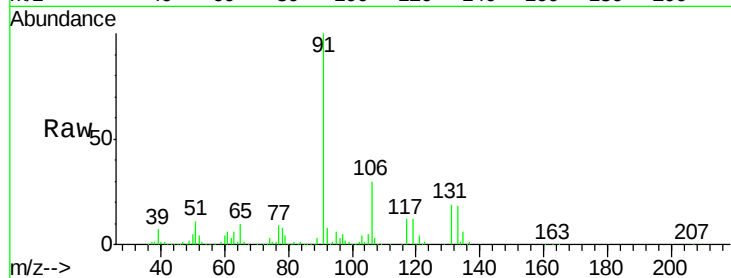
#67
Ethyl Benzene
Concen: 19.810 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. 0.00 min
Lab File: VW012816.D
Acq: 09 Sep 2019 12:57

Instrument :
MSVOA_W
ClientSampleId :
VW0909SBS01

Tot Ion	Ion	Ratio	Resp	Lower	Upper
91	100		212909		
106	30.4	24.4	36.6		

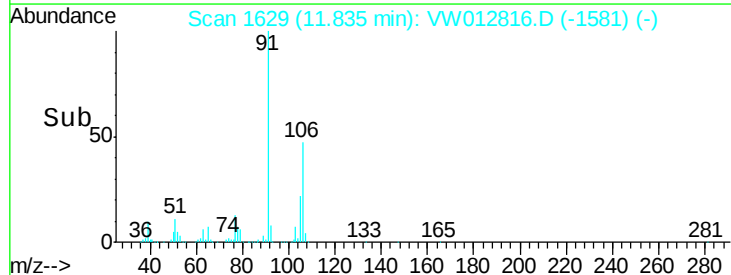
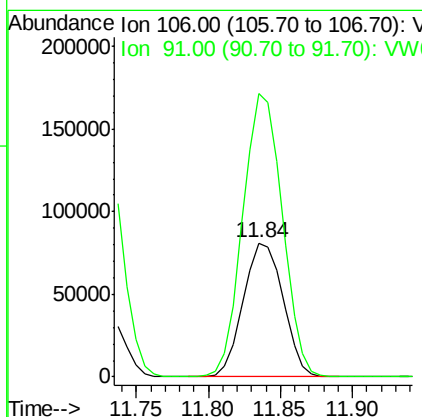
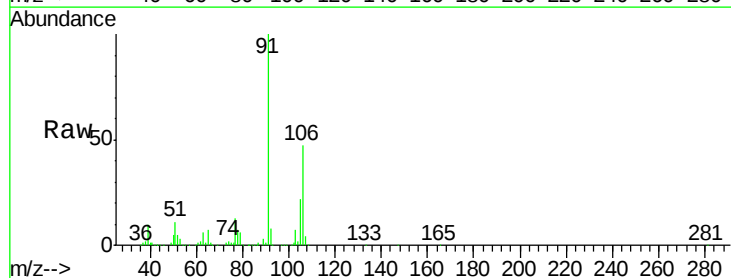
Manual Integrations
APPROVED

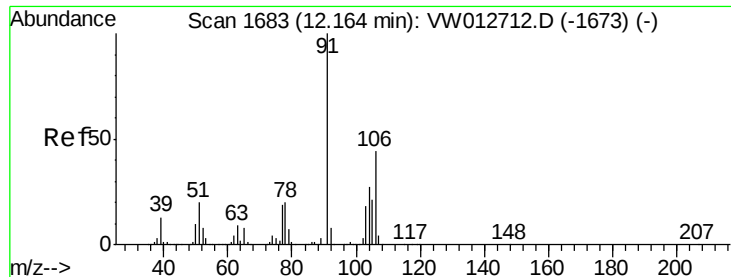
MMDadoda
9/11/2019 8:15:41 AM



#68
m/p-Xylenes
Concen: 40.184 ug/l
RT: 11.84 min Scan# 1629
Delta R.T. -0.01 min
Lab File: VW012816.D
Acq: 09 Sep 2019 12:57

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
106	100		155891		
91	209.7	168.2	252.4		





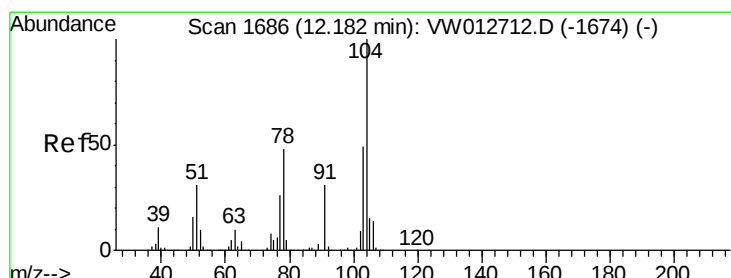
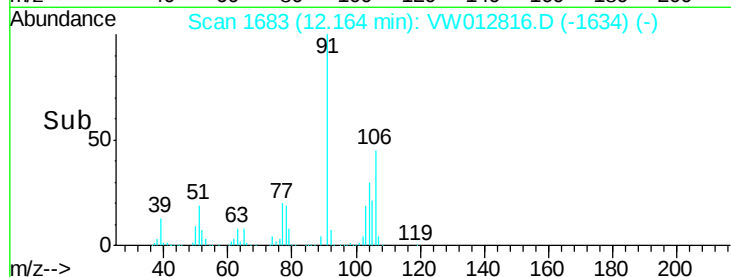
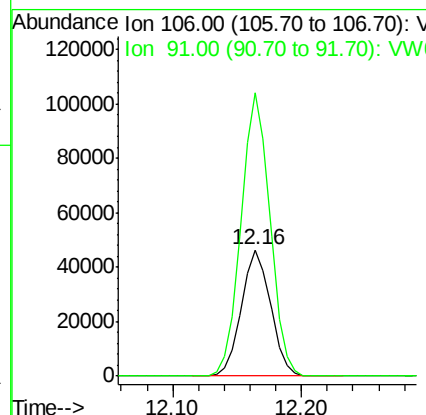
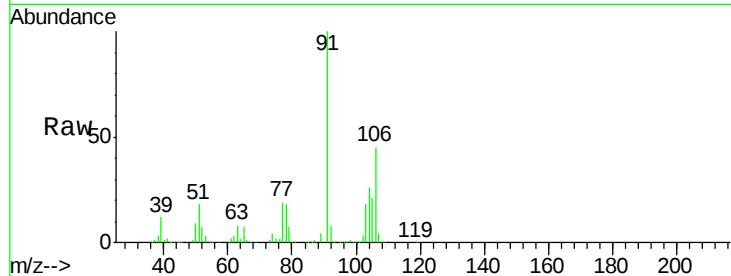
#69
o-Xylene
Concen: 19.897 ug/l
RT: 12.16 min Scan# 1683
Delta R.T. 0.00 min
Lab File: VW012816.D
Acq: 09 Sep 2019 12:57

Instrument :
MSVOA_W
ClientSampleId :
VW0909SBS01

Tot Ion:106 Resp: 72824
Ion Ratio Lower Upper
106 100
91 222.2 112.3 336.8

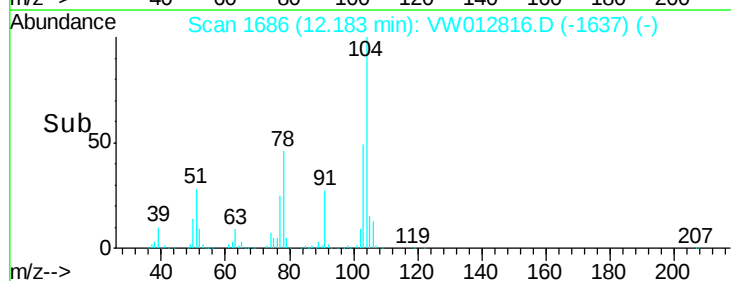
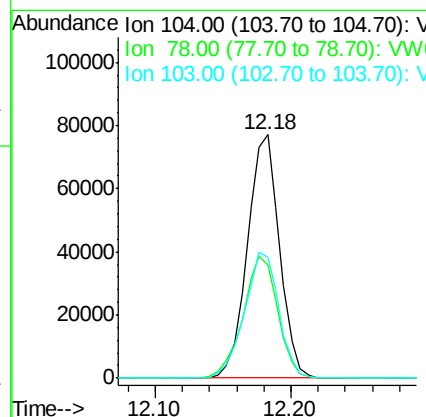
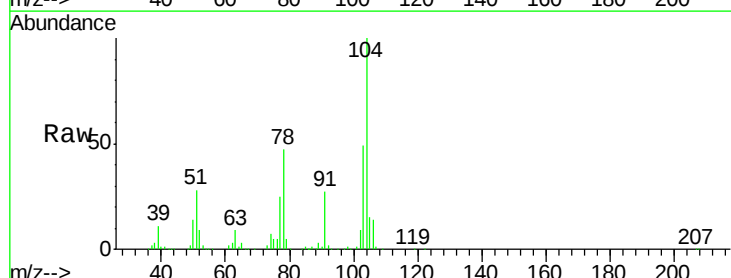
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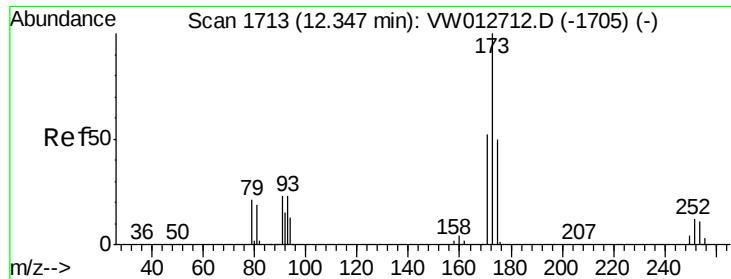
MMDadoda
9/11/2019 8:15:41 AM



#70
Styrene
Concen: 19.661 ug/l
RT: 12.18 min Scan# 1686
Delta R.T. 0.00 min
Lab File: VW012816.D
Acq: 09 Sep 2019 12:57

Tgt Ion:104 Resp: 127158
Ion Ratio Lower Upper
104 100
78 54.2 43.3 64.9
103 55.3 44.0 66.0





#71

Bromoform

Concen: 18.632 ug/l

RT: 12.35 min Scan# 1713

Delta R.T. 0.00 min

Lab File: VW012816.D

Acq: 09 Sep 2019 12:57

Instrument :

MSVOA_W

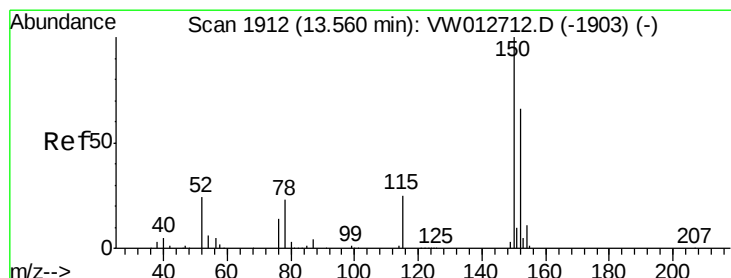
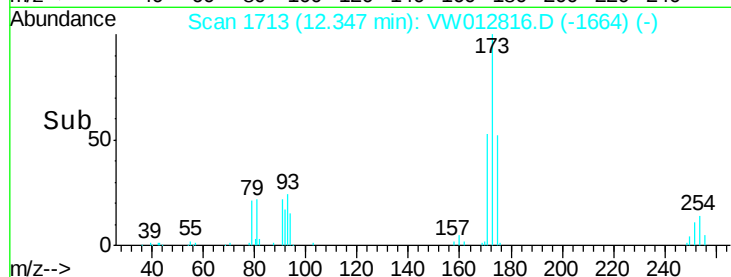
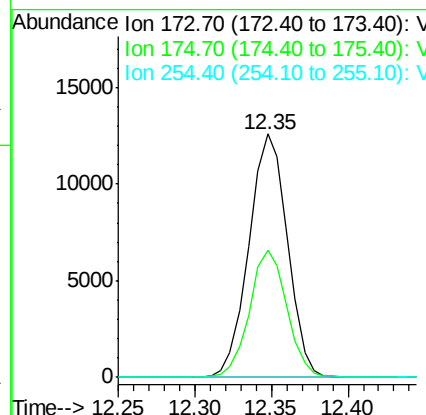
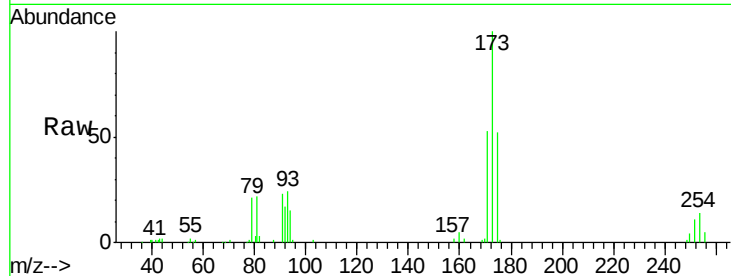
ClientSampleId :

VW0909SBS01

Tot Ion	Ratio	Lower	Upper
173	100		
175	50.4	24.8	74.3
254	0.0	0.1	0.1

Manual Integrations
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9/11/2019 8:15:41 AM



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

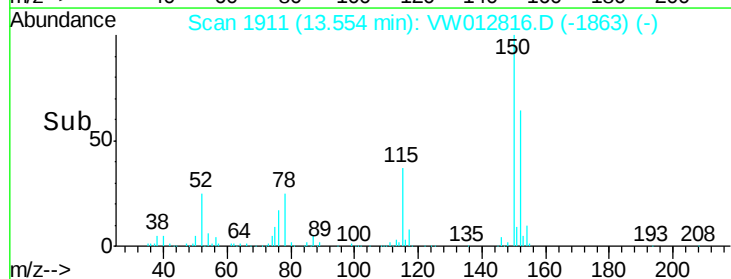
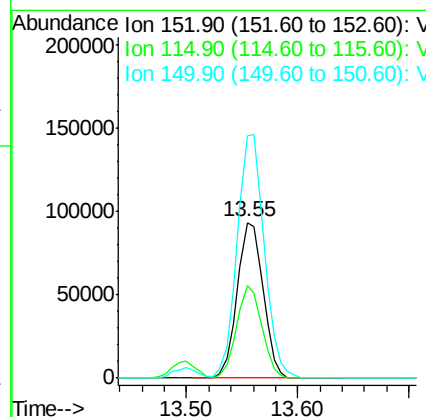
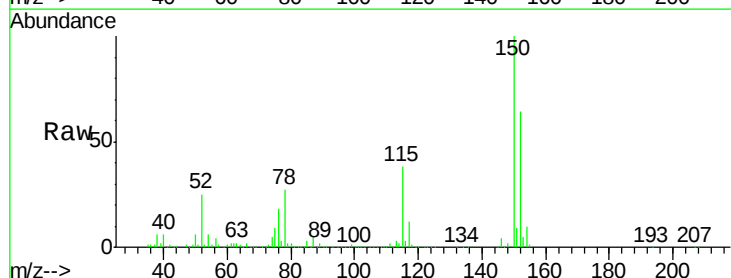
RT: 13.55 min Scan# 1911

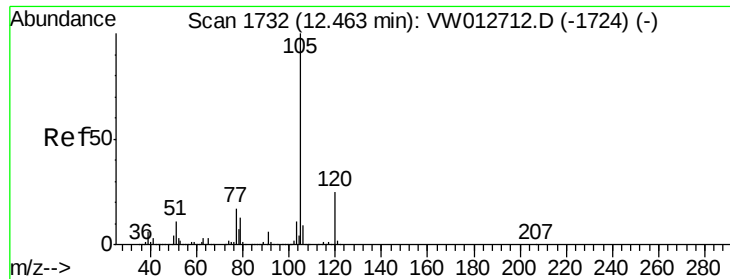
Delta R.T. -0.01 min

Lab File: VW012816.D

Acq: 09 Sep 2019 12:57

Tgt Ion	Ratio	Lower	Upper
152	100		
115	57.5	30.0	90.1
150	163.0	0.0	349.0





#73

Isopropylbenzene

Concen: 19.608 ug/l

RT: 12.46 min Scan# 1732

Delta R.T. 0.00 min

Lab File: VW012816.D

Acq: 09 Sep 2019 12:57

Instrument :

MSVOA_W

ClientSampleId :

VW0909SBS01

Tot Ion: 105 Resp: 212204

Ion Ratio Lower Upper

105 100

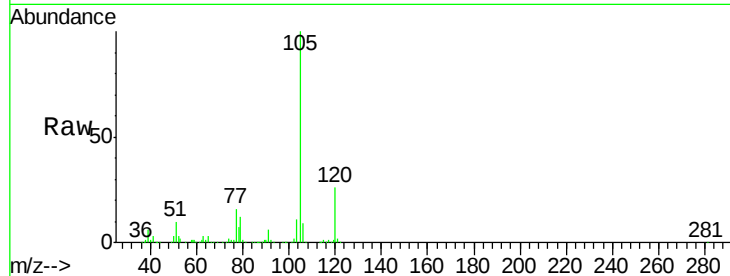
120 25.8 13.0 38.9

Manual Integrations

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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

12.46

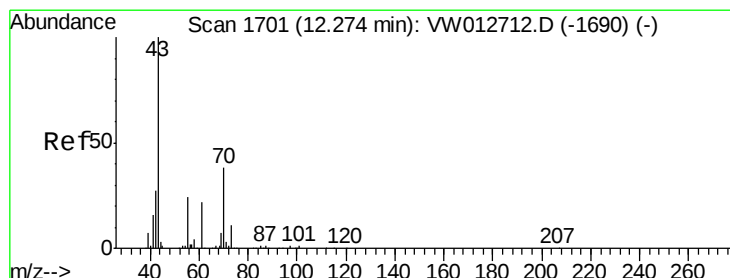
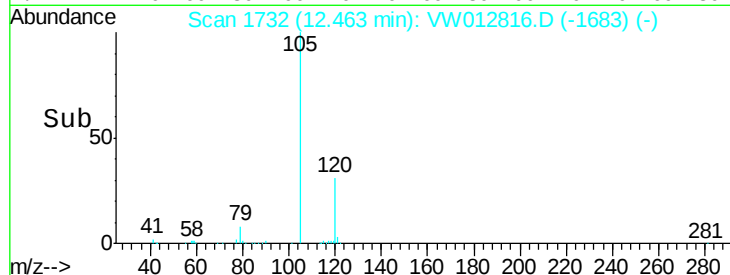
150000

100000

50000

0

Time-->



#74

N-ethyl acetate

Concen: 17.259 ug/l

RT: 12.27 min Scan# 1700

Delta R.T. -0.01 min

Lab File: VW012816.D

Acq: 09 Sep 2019 12:57

Tgt Ion: 43 Resp: 59290

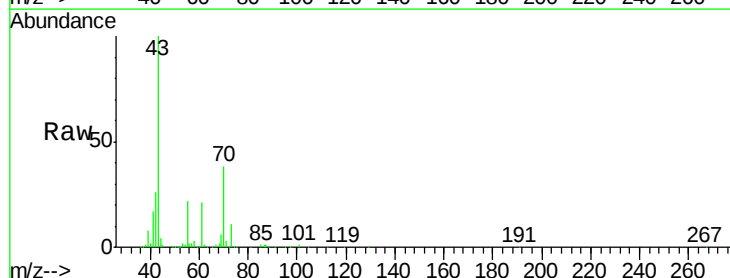
Ion Ratio Lower Upper

43 100

70 38.4 29.4 44.0

55 24.2 18.6 27.8

61 22.4 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

12.27

60000

50000

40000

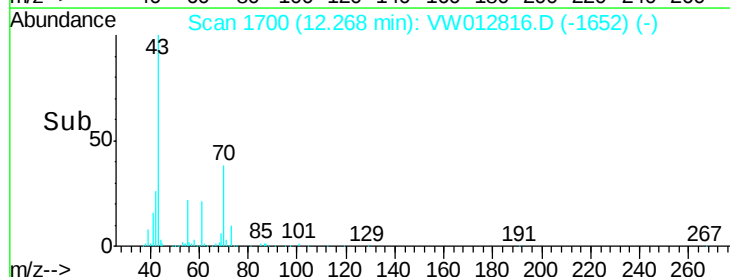
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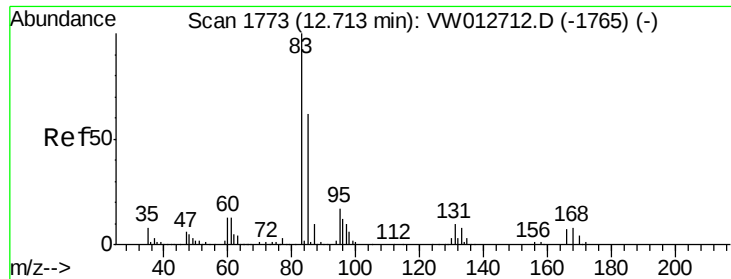
20000

10000

0

Time-->





#75

1,1,2,2-Tetrachloroethane

Concen: 18.475 ug/l

RT: 12.71 min Scan# 1773

Delta R.T. 0.00 min

Lab File: VW012816.D

Acq: 09 Sep 2019 12:57

Instrument :

MSVOA_W

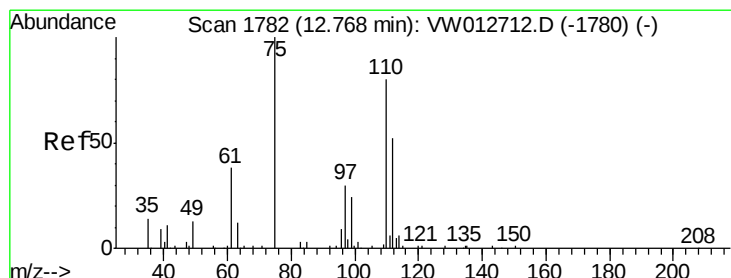
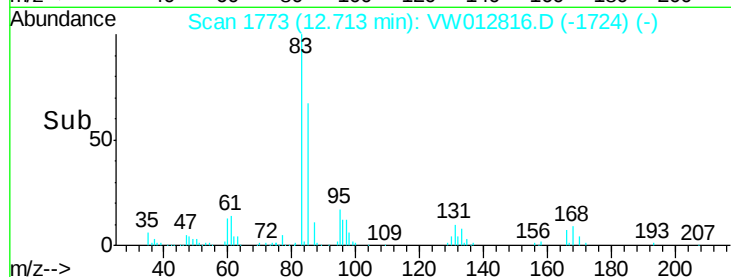
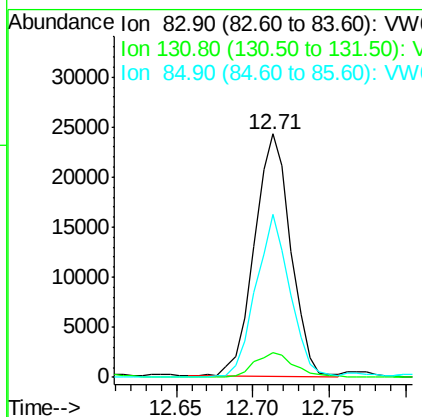
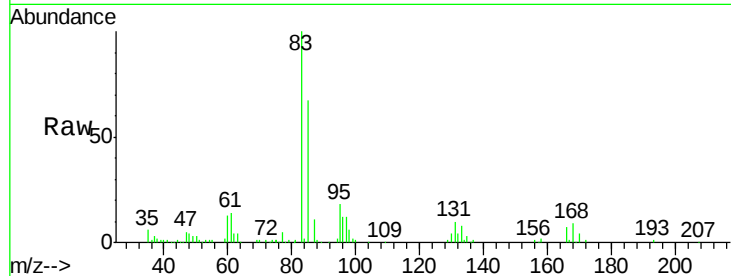
ClientSampleId :

VW0909SBS01

Tot Ion:	83	Resp:	40155
Ion Ratio	Lower	Upper	
83	100		
131	11.0	5.1	15.4
85	63.3	31.4	94.2

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#76

1,2,3-Trichloropropane

Concen: 20.903 ug/l m

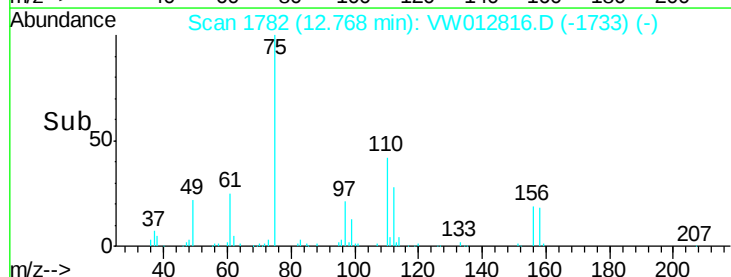
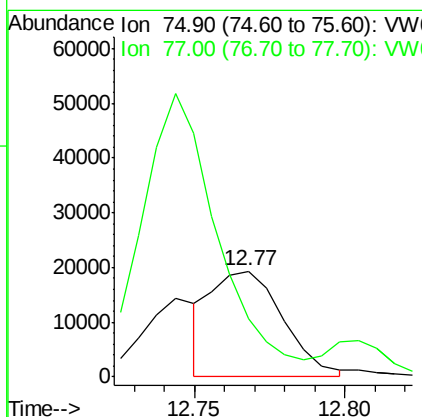
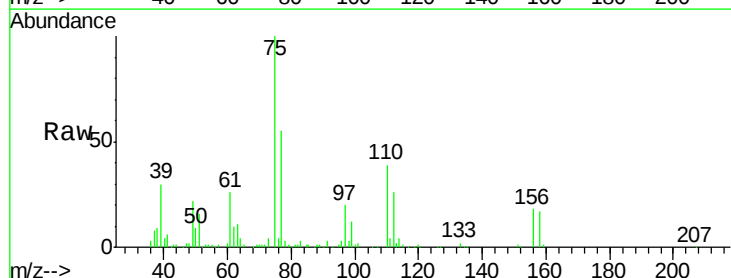
RT: 12.77 min Scan# 1782

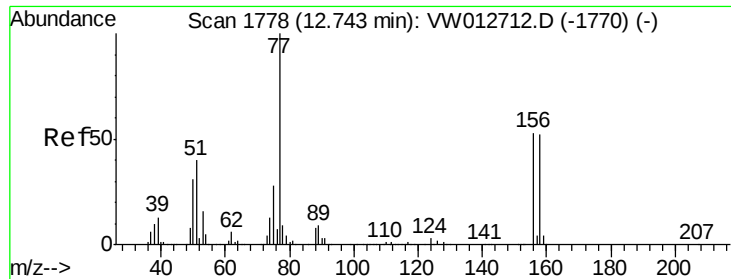
Delta R.T. 0.00 min

Lab File: VW012816.D

Acq: 09 Sep 2019 12:57

Tgt Ion:	75	Resp:	32253
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





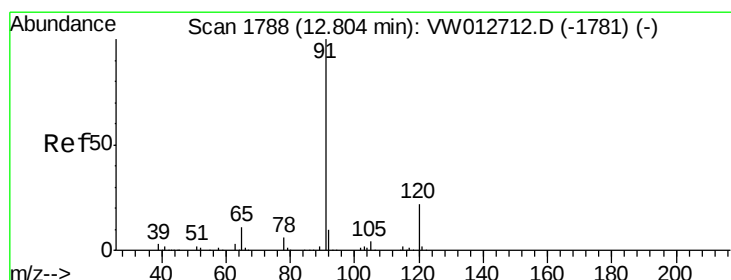
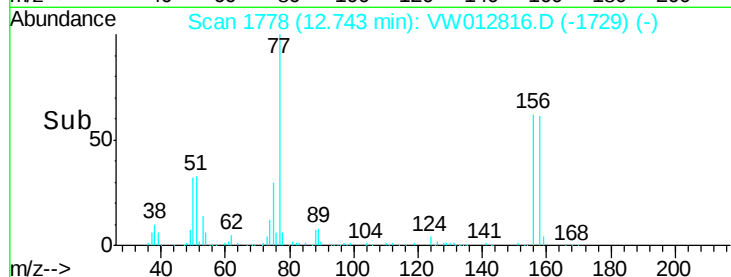
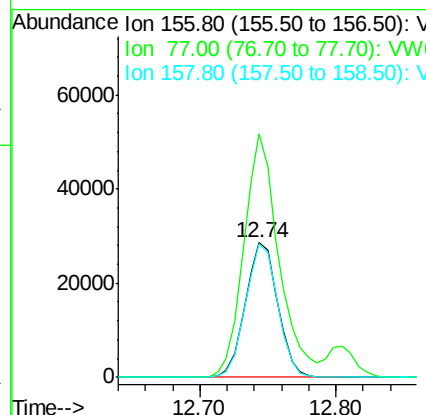
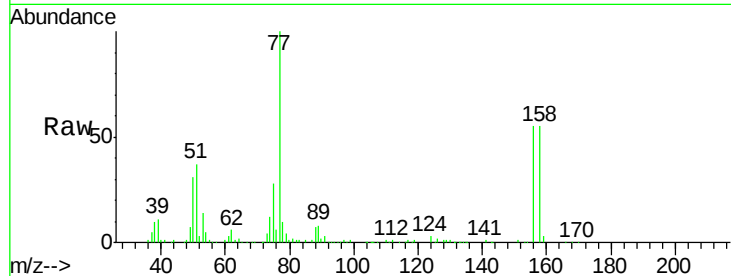
#77
Bromobenzene
Concen: 19.438 ug/l
RT: 12.74 min Scan# 1778
Delta R.T. 0.00 min
Lab File: VW012816.D
Acq: 09 Sep 2019 12:57

Instrument :
MSVOA_W
ClientSampleId :
VW0909SBS01

Tot Ion	Ratio	Lower	Upper
156	100		
77	194.8	102.3	306.9
158	98.0	48.9	146.8

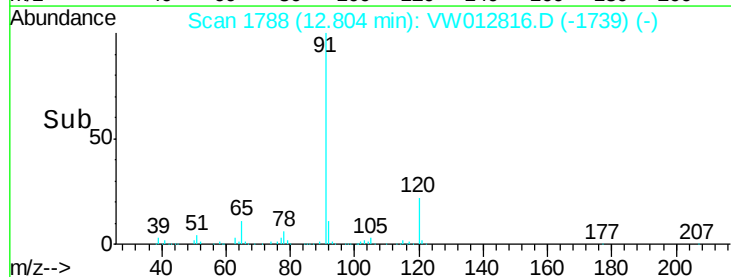
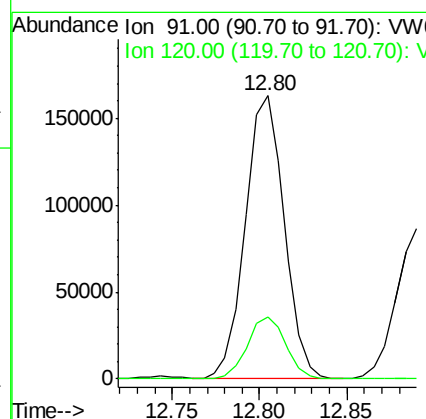
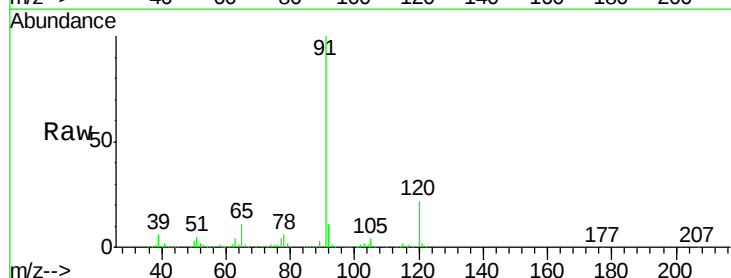
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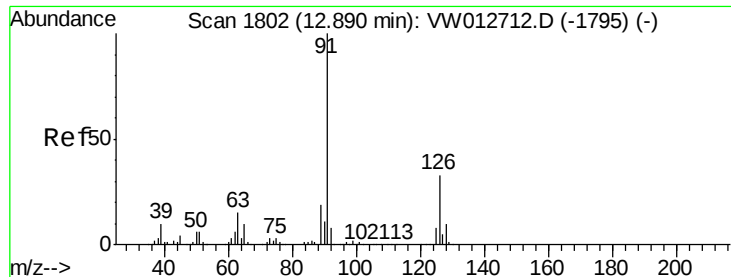
MMDadoda
9/11/2019 8:15:41 AM



#78
n-propylbenzene
Concen: 19.485 ug/l
RT: 12.80 min Scan# 1788
Delta R.T. 0.00 min
Lab File: VW012816.D
Acq: 09 Sep 2019 12:57

Tgt Ion	Ratio	Lower	Upper
91	100		
120	21.9	11.0	33.0





#79

2-Chlorotoluene

Concen: 19.217 ug/l

RT: 12.89 min Scan# 1802

Delta R.T. 0.00 min

Lab File: VW012816.D

Acq: 09 Sep 2019 12:57

Instrument :

MSVOA_W

ClientSampleId :

VW0909SBS01

Tot Ion: 91 Resp: 142793

Ion Ratio Lower Upper

91 100

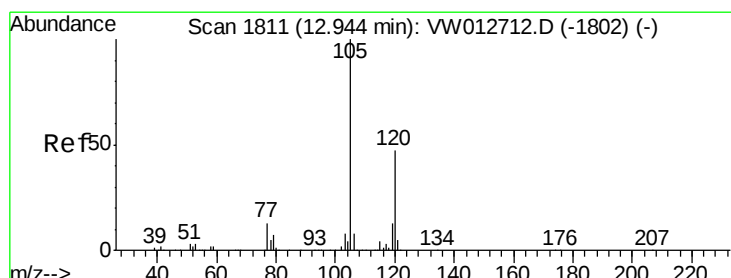
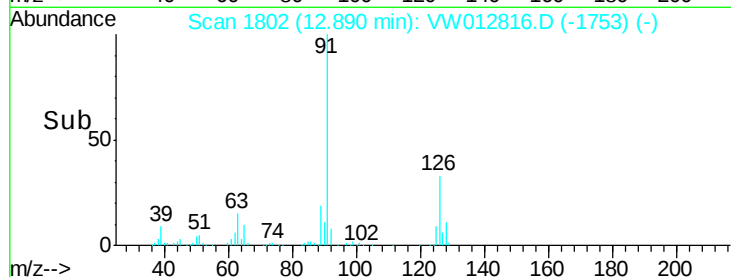
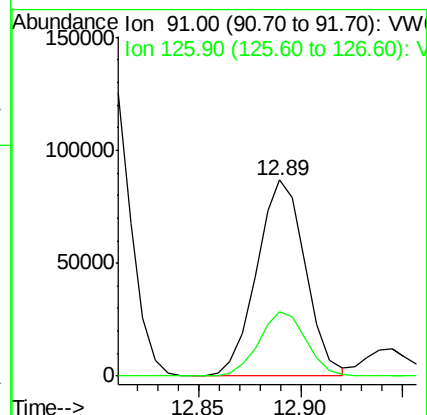
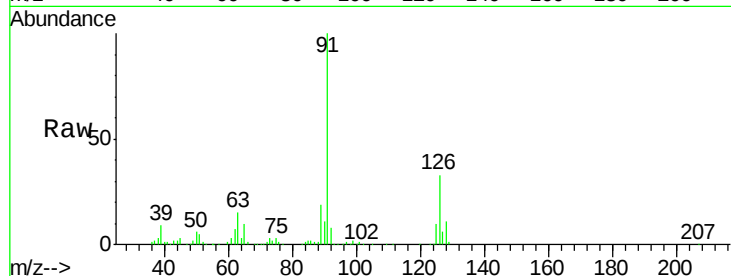
126 32.4 16.1 48.3

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#80

1,3,5-Trimethylbenzene

Concen: 19.729 ug/l

RT: 12.94 min Scan# 1811

Delta R.T. 0.00 min

Lab File: VW012816.D

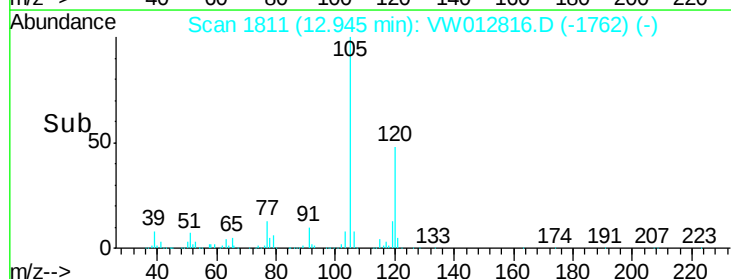
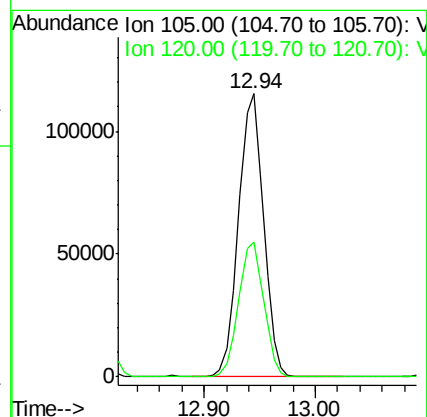
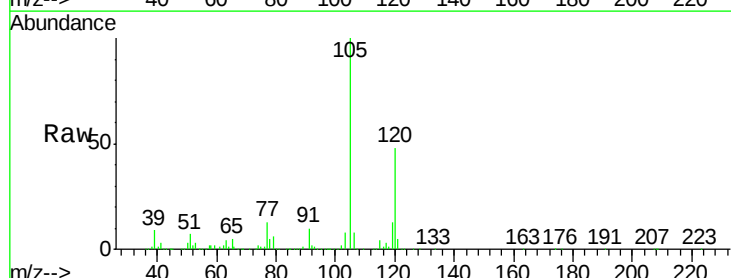
Acq: 09 Sep 2019 12:57

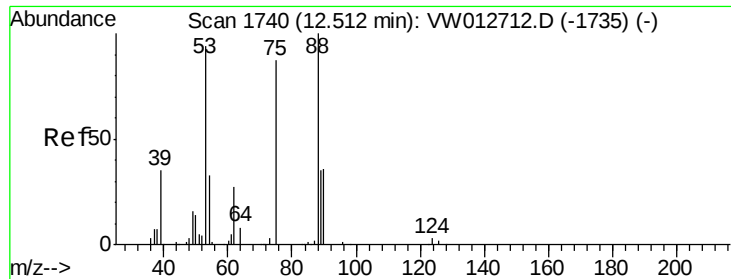
Tgt Ion: 105 Resp: 179921

Ion Ratio Lower Upper

105 100

120 48.0 23.9 71.8





#81

trans-1,4-Dichloro-2-butene

Concen: 17.723 ug/l

RT: 12.51 min Scan# 1740

Delta R.T. 0.00 min

Lab File: VW012816.D

Acq: 09 Sep 2019 12:57

Instrument :

MSVOA_W

ClientSampleId :

VW0909SBS01

Tot Ion: 75 Resp: 12929

Ion Ratio Lower Upper

75 100

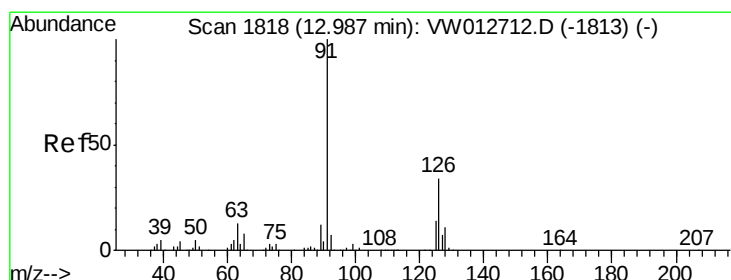
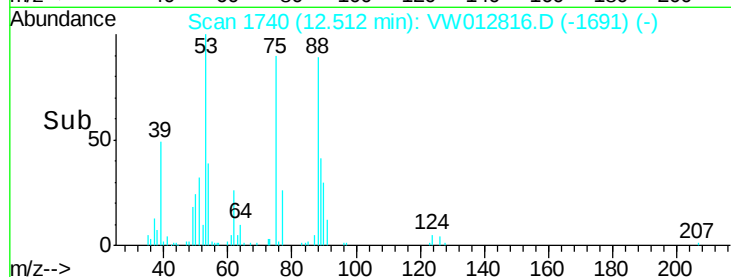
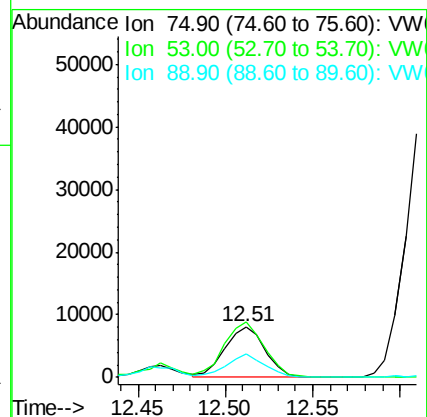
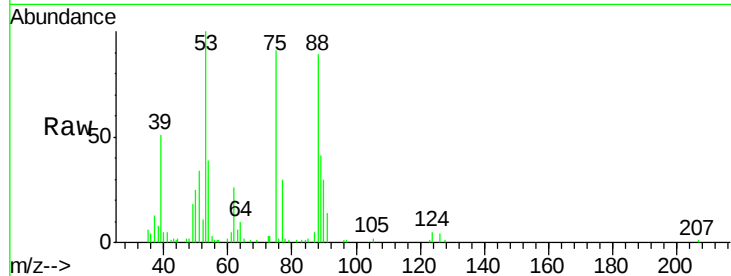
53 107.6 87.6 131.4

89 43.3 35.5 53.3

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#82

4-Chlorotoluene

Concen: 19.027 ug/l

RT: 12.99 min Scan# 1818

Delta R.T. 0.00 min

Lab File: VW012816.D

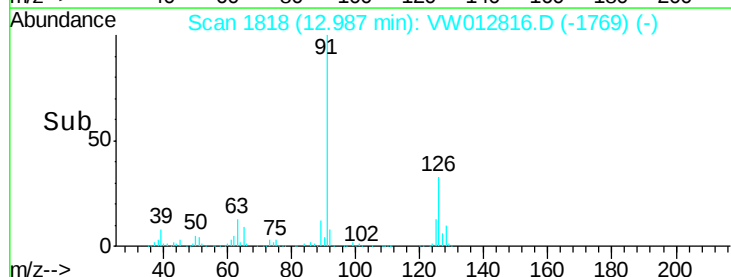
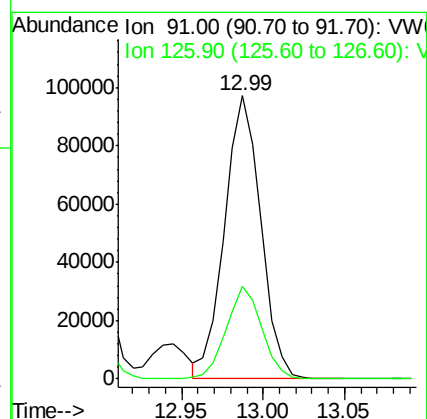
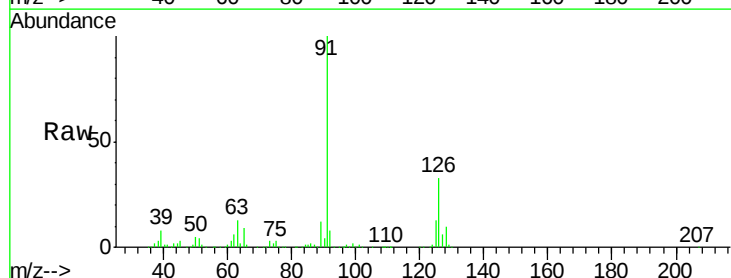
Acq: 09 Sep 2019 12:57

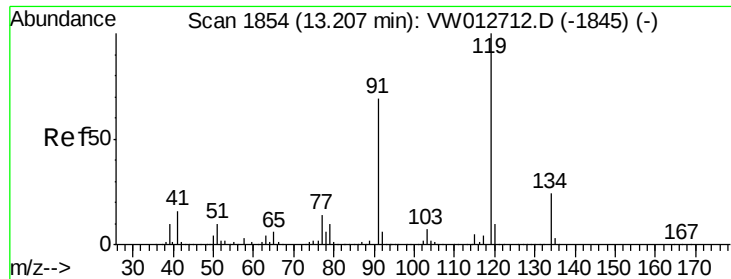
Tgt Ion: 91 Resp: 149546

Ion Ratio Lower Upper

91 100

126 32.1 15.9 47.6





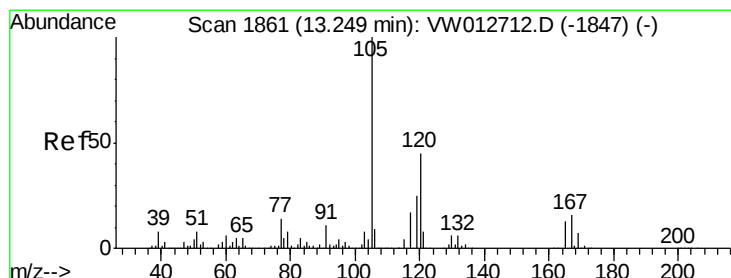
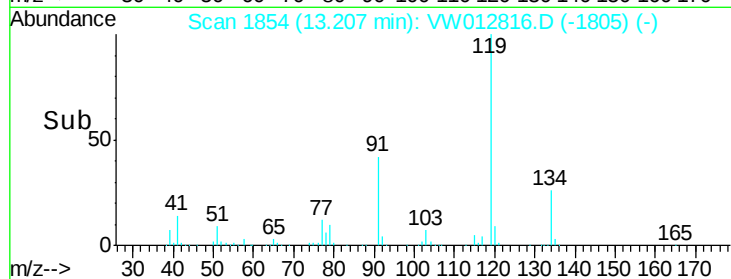
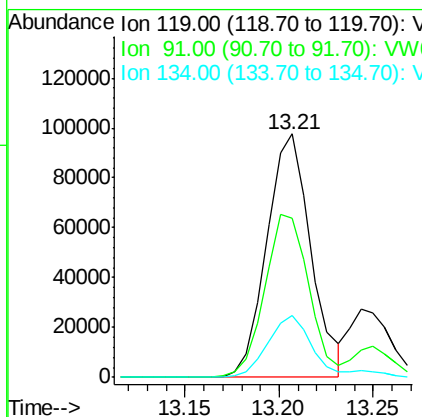
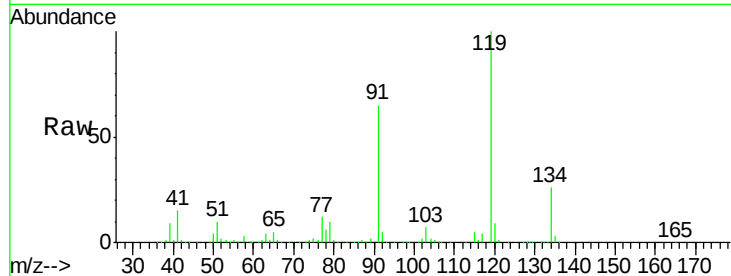
#83
tert-Butylbenzene
Concen: 19.680 ug/l
RT: 13.21 min Scan# 1854
Delta R.T. 0.00 min
Lab File: VW012816.D
Acq: 09 Sep 2019 12:57

Instrument :
MSVOA_W
ClientSampleId :
VW0909SBSD01

Tot Ion	Ratio	Resp	Lower	Upper
119	100	158689		
91	66.8	34.2	102.5	
134	25.0	12.3	36.9	

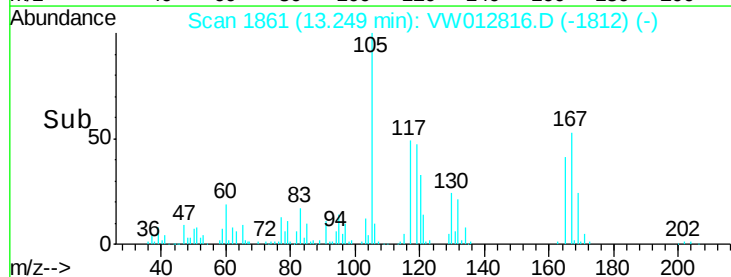
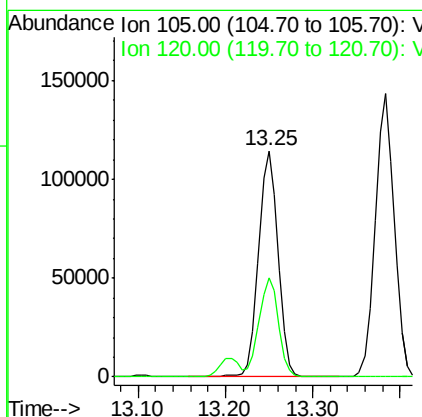
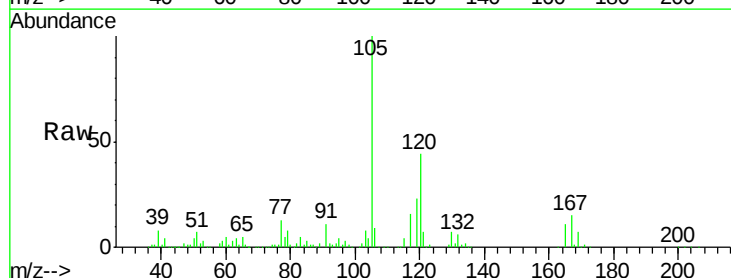
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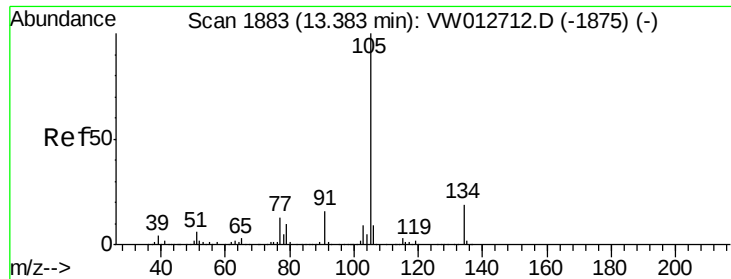
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#84
1,2,4-Trimethylbenzene
Concen: 19.349 ug/l
RT: 13.25 min Scan# 1861
Delta R.T. 0.00 min
Lab File: VW012816.D
Acq: 09 Sep 2019 12:57

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	177799		
120	43.8	22.1	66.3	





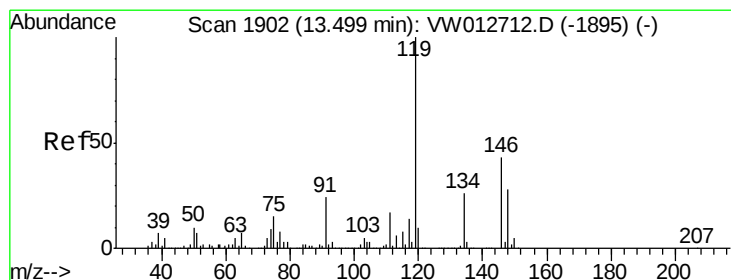
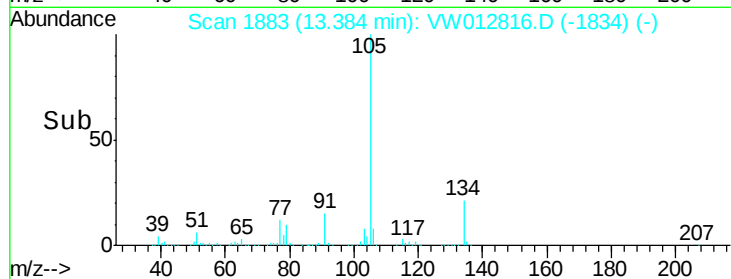
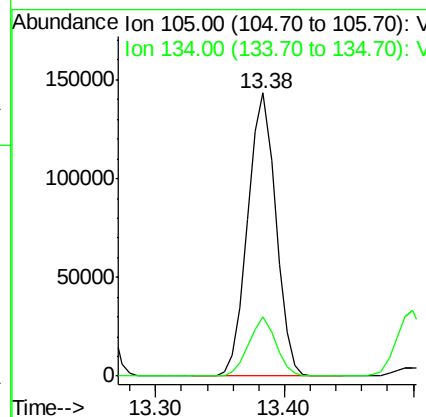
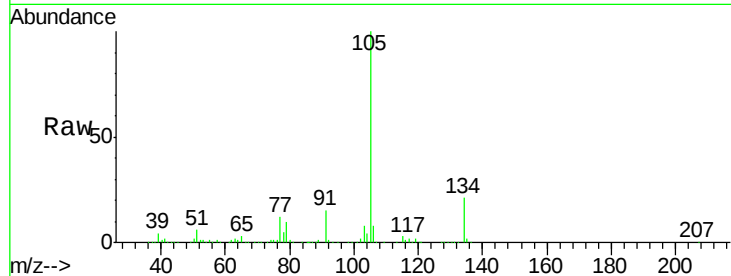
#85
 sec-Butylbenzene
 Concen: 19.296 ug/l
 RT: 13.38 min Scan# 1883
 Delta R.T. 0.00 min
 Lab File: VW012816.D
 Acq: 09 Sep 2019 12:57

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0909SBS01

Tot Ion	Ratio	Resp	Lower	Upper
105	100	215912		
134	20.1	9.8	29.3	

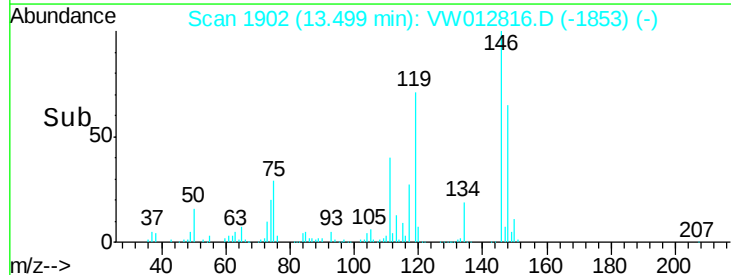
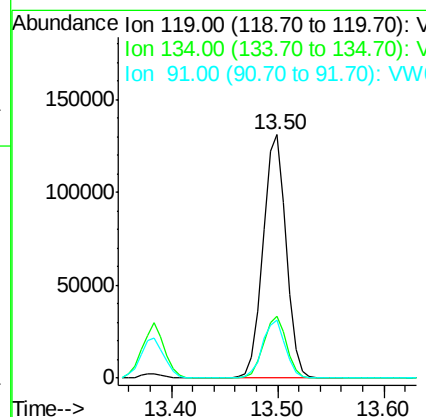
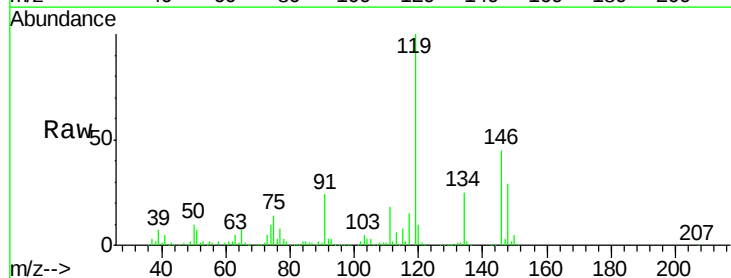
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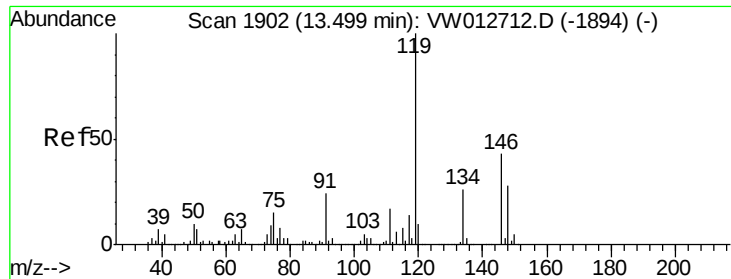
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#86
 p-Isopropyltoluene
 Concen: 19.575 ug/l
 RT: 13.50 min Scan# 1902
 Delta R.T. 0.00 min
 Lab File: VW012816.D
 Acq: 09 Sep 2019 12:57

Tgt Ion	Ratio	Resp	Lower	Upper
119	100	200068		
134	25.2	12.7	38.1	
91	23.6	12.2	36.6	





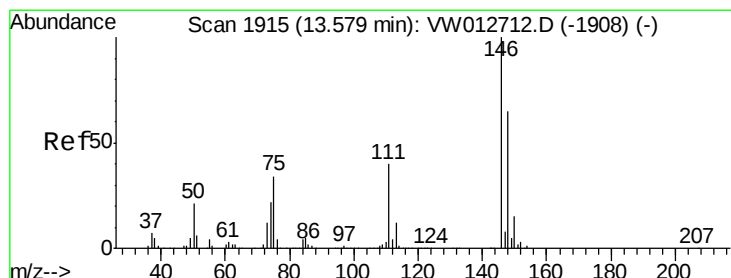
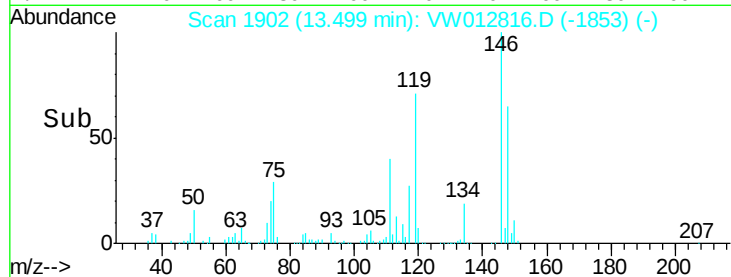
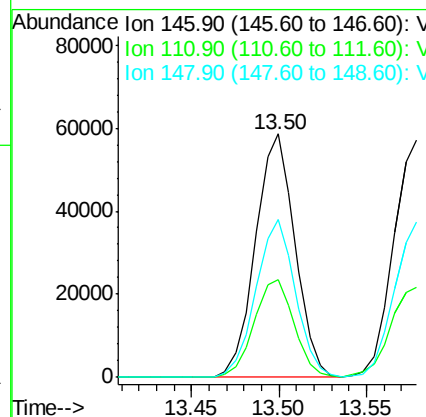
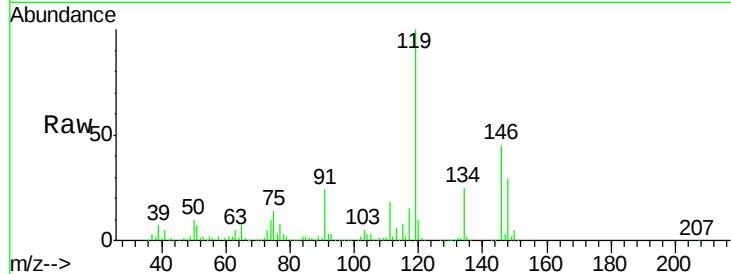
#87
 1,3-Dichlorobenzene
 Concen: 19.201 ug/l
 RT: 13.50 min Scan# 1902
 Delta R.T. 0.00 min
 Lab File: VW012816.D
 Acq: 09 Sep 2019 12:57

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0909SBS01

Tot Ion	Ratio	Resp	Lower	Upper
146	100	92536		
111	40.9		20.4	61.2
148	64.9		31.8	95.4

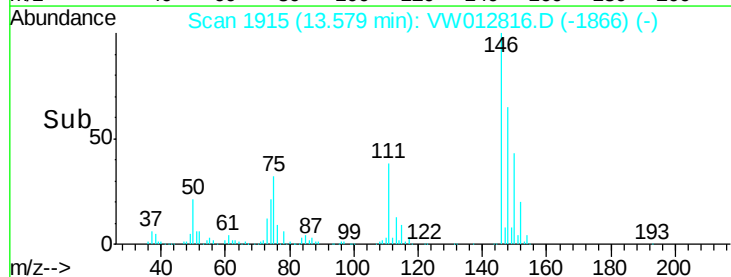
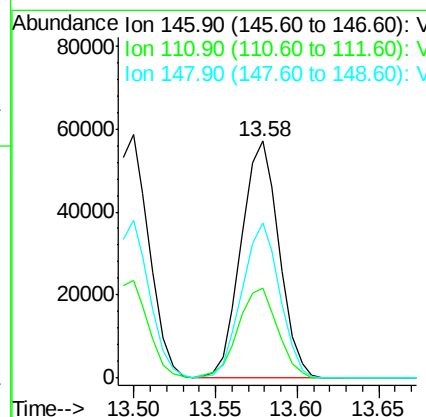
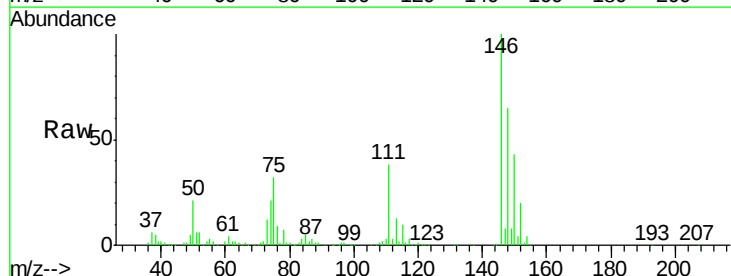
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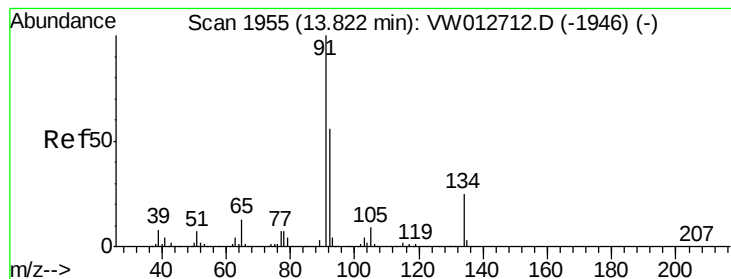
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#88
 1,4-Dichlorobenzene
 Concen: 19.279 ug/l
 RT: 13.58 min Scan# 1915
 Delta R.T. 0.00 min
 Lab File: VW012816.D
 Acq: 09 Sep 2019 12:57

Tgt Ion	Ratio	Resp	Lower	Upper
146	100	92456		
111	39.8		20.0	60.0
148	65.5		32.2	96.6





#89

n-Butylbenzene

Concen: 18.933 ug/l

RT: 13.82 min Scan# 1955

Delta R.T. 0.00 min

Lab File: VW012816.D

Acq: 09 Sep 2019 12:57

Instrument :

MSVOA_W

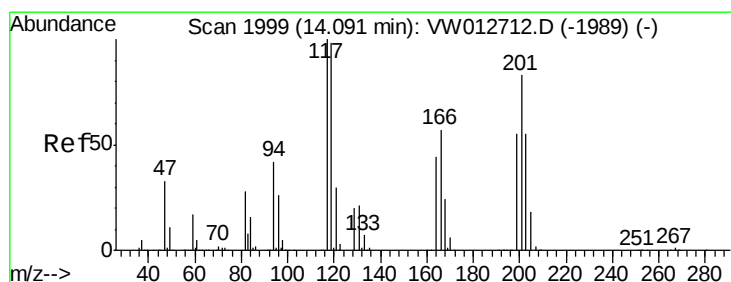
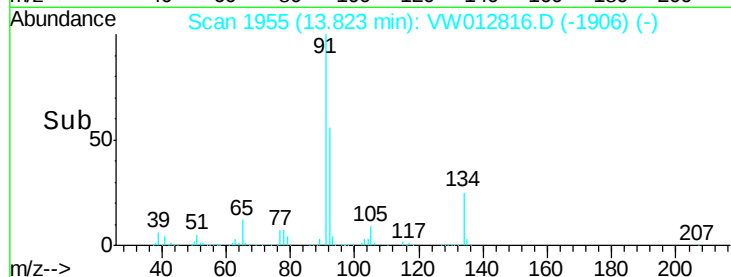
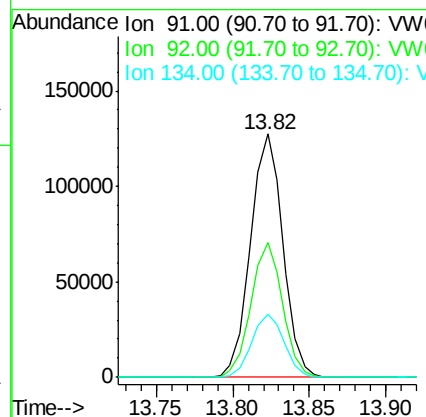
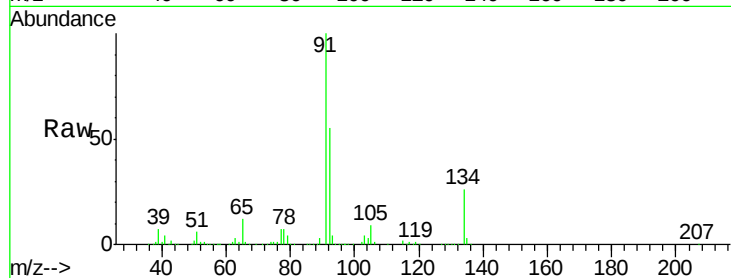
ClientSampleId :

VW0909SBS01

Tot Ion:	91	Resp:	187860
Ion Ratio	Lower	Upper	
91	100		
92	53.9	27.2	81.5
134	26.1	12.7	38.1

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#90

Hexachloroethane

Concen: 18.521 ug/l

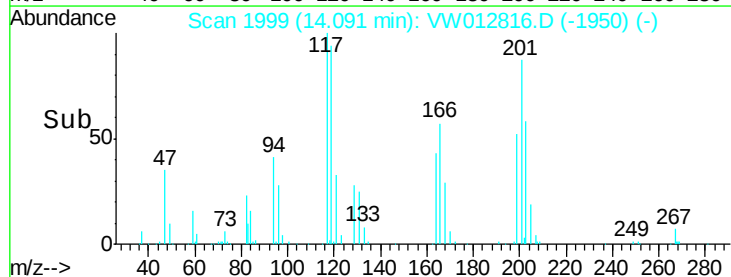
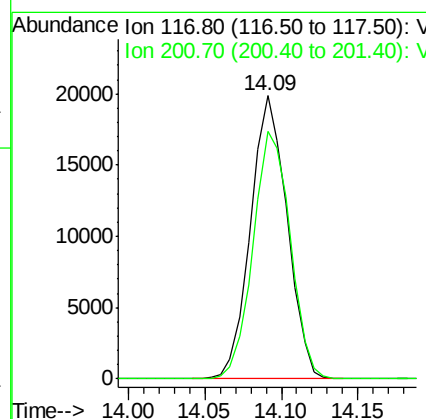
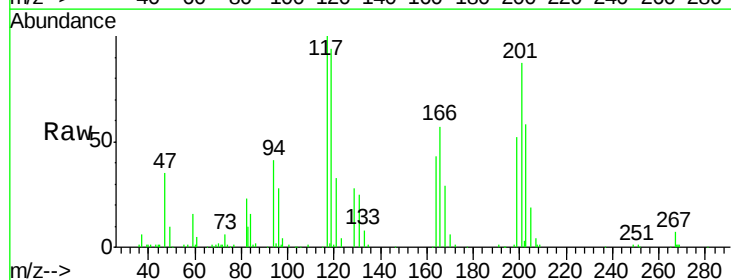
RT: 14.09 min Scan# 1999

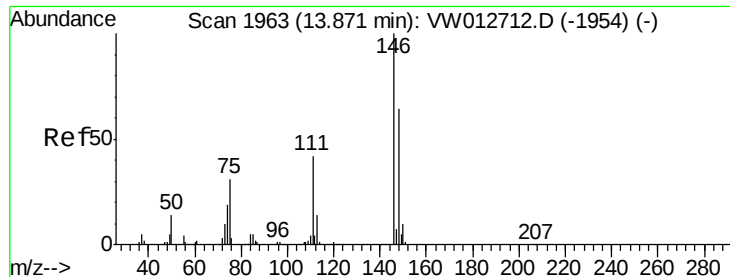
Delta R.T. 0.00 min

Lab File: VW012816.D

Acq: 09 Sep 2019 12:57

Tgt Ion:	117	Resp:	33045
Ion Ratio	Lower	Upper	
117	100		
201	88.9	42.8	128.4





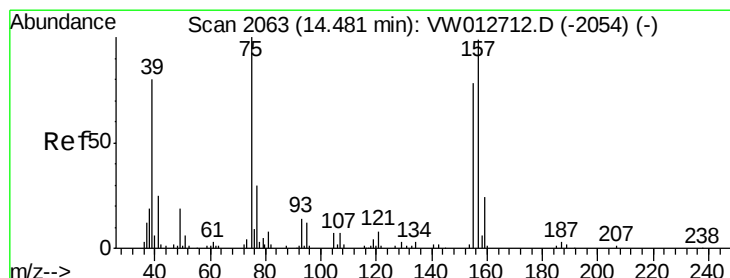
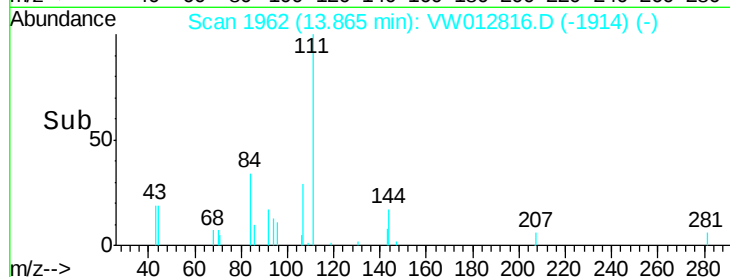
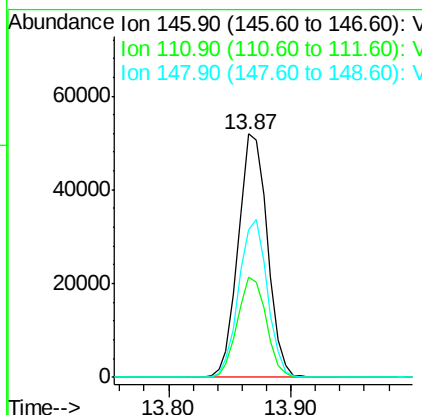
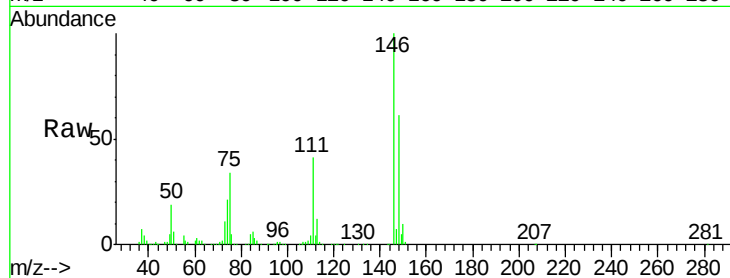
#91
 1,2-Dichlorobenzene
 Concen: 19.767 ug/l
 RT: 13.87 min Scan# 1962
 Delta R.T. -0.01 min
 Lab File: VW012816.D
 Acq: 09 Sep 2019 12:57

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0909SBSD01

Tot Ion	Ratio	Lower	Upper
146	100		
111	40.4	21.3	63.9
148	63.5	32.1	96.5

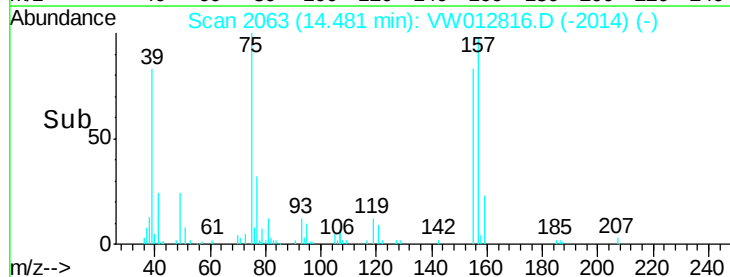
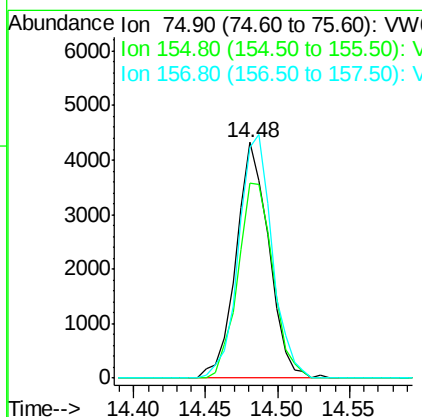
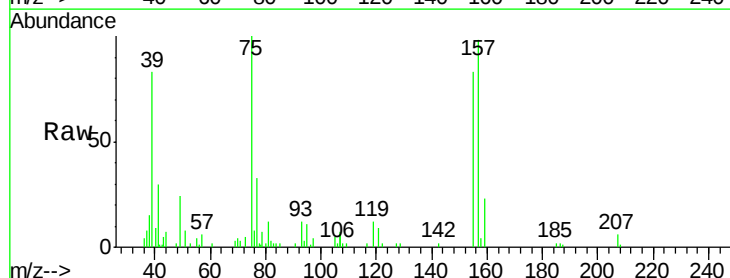
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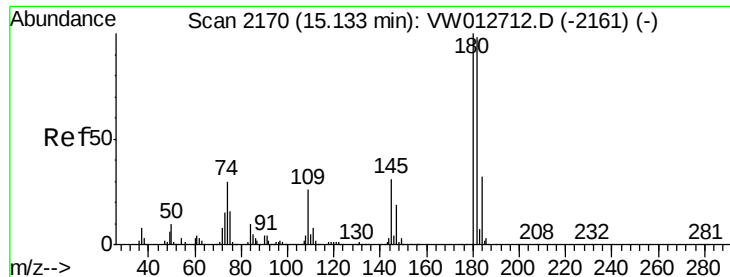
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 9/11/2019 8:15:41 AM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 17.179 ug/l
 RT: 14.48 min Scan# 2063
 Delta R.T. 0.00 min
 Lab File: VW012816.D
 Acq: 09 Sep 2019 12:57

Tgt Ion	Ratio	Lower	Upper
75	100		
155	88.1	40.6	122.0
157	105.0	52.5	157.5





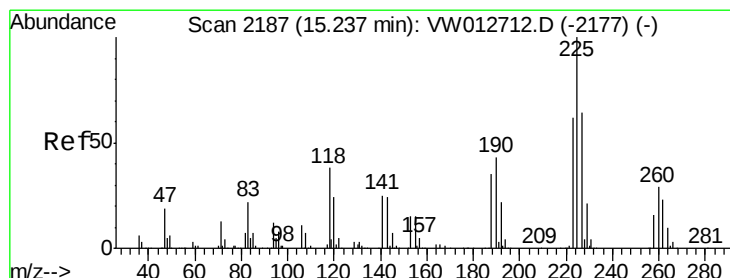
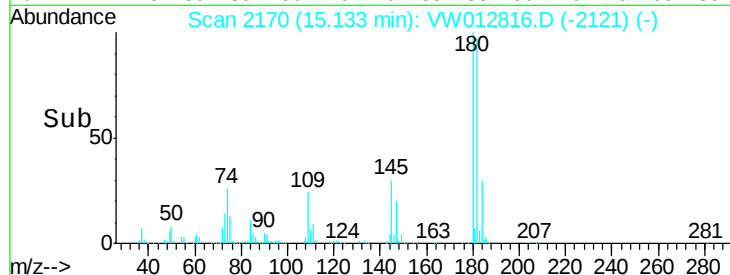
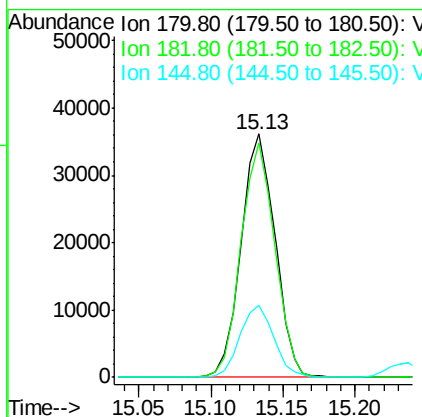
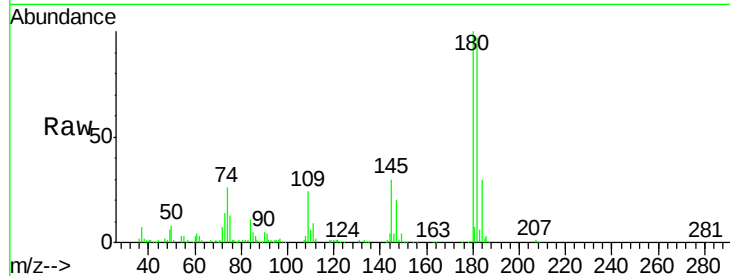
#93
 1,2,4-Trichlorobenzene
 Concen: 19.556 ug/l
 RT: 15.13 min Scan# 2170
 Delta R.T. 0.00 min
 Lab File: VW012816.D
 Acq: 09 Sep 2019 12:57

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0909SBS01

Tot Ion	Ratio	Resp	Lower	Upper
180	100	59060		
182	96.2	48.7	146.1	
145	29.8	15.0	45.1	

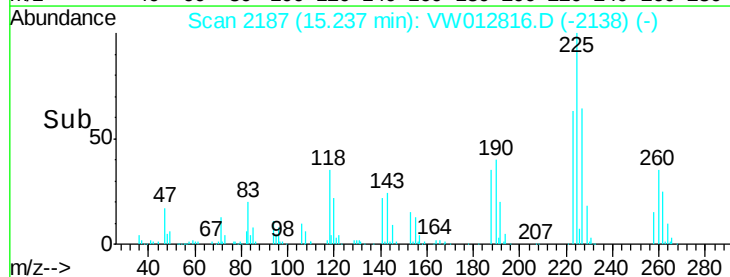
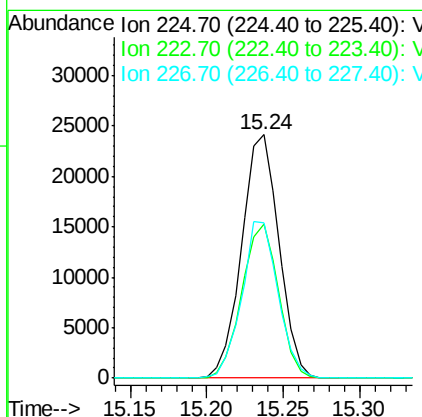
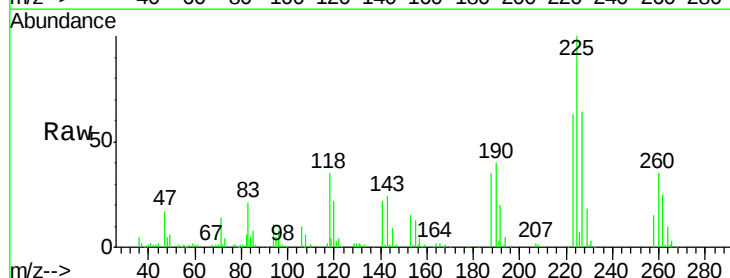
Manual Integrations
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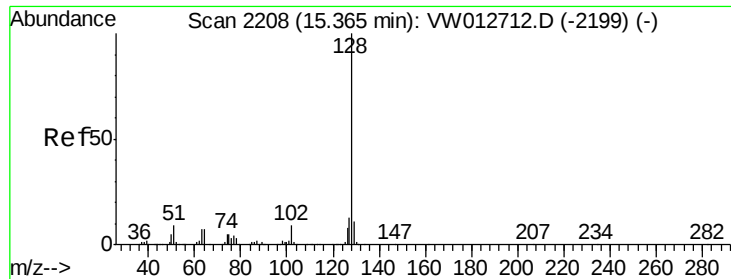
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 9/11/2019 8:15:41 AM



#94
 Hexachlorobutadiene
 Concen: 19.606 ug/l
 RT: 15.24 min Scan# 2187
 Delta R.T. 0.00 min
 Lab File: VW012816.D
 Acq: 09 Sep 2019 12:57

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	40983		
223	62.0	31.1	93.3	
227	62.7	31.4	94.2	





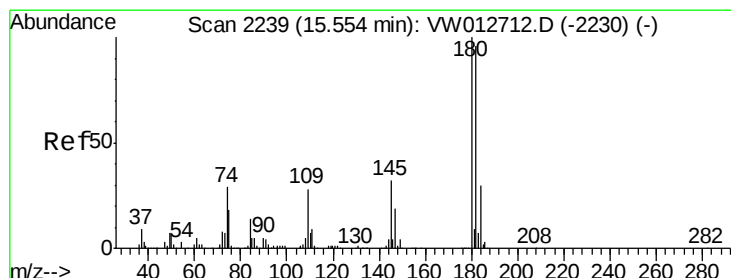
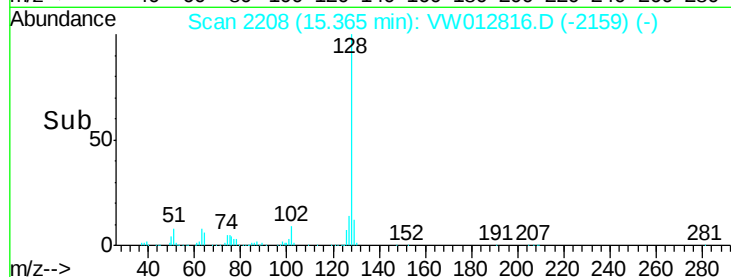
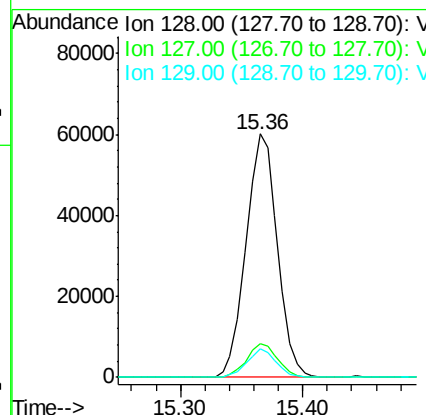
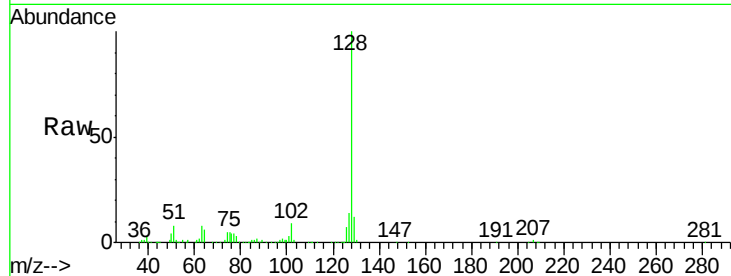
#95
Naphthalene
Concen: 19.834 ug/l
RT: 15.36 min Scan# 2208
Delta R.T. 0.00 min
Lab File: VW012816.D
Acq: 09 Sep 2019 12:57

Instrument :
MSVOA_W
ClientSampleId :
VW0909SBS01

Tot Ion	Ratio	Resp	Lower	Upper
128	100	106956		
127	13.8		10.7	16.1
129	11.0		8.7	13.1

Manual Integrations
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#96
1,2,3-Trichlorobenzene
Concen: 19.619 ug/l
RT: 15.55 min Scan# 2239
Delta R.T. 0.00 min
Lab File: VW012816.D
Acq: 09 Sep 2019 12:57

Tgt Ion	Ratio	Resp	Lower	Upper
180	100	52301		
182	95.5		47.8	143.3
145	32.3		15.4	46.2

