

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW081219\
 Data File : VW011841.D
 Acq On : 12 Aug 2019 10:32
 Operator : SY/VA
 Sample : VW0812SBS02
 Misc : 5.00G/5ML/MSVOA W/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0812SBS02

Manual Integrations
 APPROVED

MMDadoda
 8/13/2019 4:32:17 PM

Quant Time: Aug 13 08:00:46 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W072719S.M
 Quant Title : SW846 8260
 QLast Update : Sat Jul 27 00:23:30 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	247893	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	390303	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	335343	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	164093	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.30	65	151917	53.37	ug/l	0.00
Spiked Amount	50.000		Recovery	=	106.74%	
35) Dibromofluoromethane	7.88	113	125694	57.40	ug/l	0.00
Spiked Amount	50.000		Recovery	=	114.80%	
50) Toluene-d8	10.32	98	516302	57.59	ug/l	0.00
Spiked Amount	50.000		Recovery	=	115.18%	
62) 4-Bromofluorobenzene	12.62	95	178090	55.72	ug/l	0.00
Spiked Amount	50.000		Recovery	=	111.44%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.01	85	33952	24.575	ug/l	97
3) Chloromethane	2.21	50	49385	20.615	ug/l	96
4) Vinyl Chloride	2.35	62	64353	22.313	ug/l	98
5) Bromomethane	2.77	94	28866	18.082	ug/l	94
6) Chloroethane	2.90	64	28764	17.459	ug/l	98
7) Trichlorofluoromethane	3.23	101	31900	24.748	ug/l	94
8) Diethyl Ether	3.67	74	28407	19.438	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	4.05	101	53949	22.064	ug/l	99
10) Methyl Iodide	4.26	142	70767	20.480	ug/l	98
11) Tert butyl alcohol	5.22	59	15548	60.497	ug/l #	94
12) 1,1-Dichloroethene	4.03	96	53421	20.692	ug/l	99
13) Acrolein	3.89	56	13344	65.333	ug/l	96
14) Allyl chloride	4.65	41	116874	21.285	ug/l	97
15) Acrylonitrile	5.36	53	66803	91.569	ug/l	99
16) Acetone	4.13	43	65959	72.845	ug/l	100
17) Carbon Disulfide	4.37	76	161656	20.006	ug/l	99
18) Methyl Acetate	4.67	43	35919	17.658	ug/l	99
19) Methyl tert-butyl Ether	5.42	73	81980	20.010	ug/l	97
20) Methylene Chloride	4.91	84	60937	19.514	ug/l	98
21) trans-1,2-Dichloroethene	5.42	96	58494	21.016	ug/l	97
22) Diisopropyl ether	6.31	45	213946	20.666	ug/l	97
23) Vinyl Acetate	6.25	43	621912	95.604	ug/l	99
24) 1,1-Dichloroethane	6.21	63	118132	21.306	ug/l	99
25) 2-Butanone	7.17	43	93957	79.300	ug/l	98
26) 2,2-Dichloropropane	7.16	77	65094	19.090	ug/l	98
27) cis-1,2-Dichloroethene	7.16	96	62091	20.269	ug/l	99
28) Bromochloromethane	7.51	49	47407	19.263	ug/l	100
29) Tetrahydrofuran	7.53	42	58556	86.460	ug/l	99
30) Chloroform	7.67	83	108138	21.141	ug/l	99
31) Cyclohexane	7.95	56	113711	21.365	ug/l	97
32) 1,1,1-Trichloroethane	7.87	97	86355	22.167	ug/l	100
36) 1,1-Dichloropropene	8.08	75	91971	22.662	ug/l	99
37) Ethyl Acetate	7.25	43	42200	18.073	ug/l	100
38) Carbon Tetrachloride	8.07	117	79824	22.976	ug/l	99

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Manual Integrations
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 Quant Title : SW846 8260
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.33	83	101315	22.672	ug/l	98
40) Benzene	8.32	78	246882	21.717	ug/l	99
41) Methacrylonitrile	7.48	41	25119	17.997	ug/l	96
42) 1,2-Dichloroethane	8.40	62	75251	21.143	ug/l	100
43) Isopropyl Acetate	8.42	43	80052	18.642	ug/l	97
44) Trichloroethene	9.09	130	60938	22.303	ug/l	100
45) 1,2-Dichloropropane	9.37	63	65204	21.437	ug/l	96
46) Dibromomethane	9.46	93	28796	20.742	ug/l	98
47) Bromodichloromethane	9.64	83	76445	20.992	ug/l	99
48) Methyl methacrylate	9.43	41	38519	18.674	ug/l	98
49) 1,4-Dioxane	9.47	88	7082	352.314	ug/l #	73
51) 4-Methyl-2-Pentanone	10.21	43	203816	91.251	ug/l	100
52) Toluene	10.38	92	149083	21.716	ug/l	98
53) t-1,3-Dichloropropene	10.60	75	76754	20.177	ug/l	99
54) cis-1,3-Dichloropropene	10.07	75	94444	20.881	ug/l	97
55) 1,1,2-Trichloroethane	10.79	97	39883	20.248	ug/l	97
56) Ethyl methacrylate	10.65	69	54789	19.008	ug/l	99
57) 1,3-Dichloropropane	10.93	76	75737	20.323	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.92	63	142851	109.153	ug/l	100
59) 2-Hexanone	10.97	43	141189	89.527	ug/l	98
60) Dibromochloromethane	11.13	129	44174	20.203	ug/l	99
61) 1,2-Dibromoethane	11.23	107	37483	20.108	ug/l	98
64) Tetrachloroethene	10.86	164	49857	22.834	ug/l	100
65) Chlorobenzene	11.66	112	146783	21.772	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.73	131	51273	21.833	ug/l	100
67) Ethyl Benzene	11.73	91	289080	22.513	ug/l	99
68) m/p-Xylenes	11.84	106	210234	45.021	ug/l	100
69) o-Xylene	12.16	106	96271	22.186	ug/l	99
70) Styrene	12.18	104	164813	21.967	ug/l	100
71) Bromoform	12.35	173	23860	19.927	ug/l #	96
73) Isopropylbenzene	12.46	105	272303	22.244	ug/l	99
74) N-amyl acetate	12.27	43	72253	18.852	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.71	83	46104	20.022	ug/l	99
76) 1,2,3-Trichloropropane	12.77	75	32528m	18.734	ug/l	
77) Bromobenzene	12.75	156	58382	21.577	ug/l	99
78) n-propylbenzene	12.80	91	340791	22.875	ug/l	99
79) 2-Chlorotoluene	12.89	91	187360	21.829	ug/l	99
80) 1,3,5-Trimethylbenzene	12.94	105	231572	22.567	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.51	75	14586	19.361	ug/l	94
82) 4-Chlorotoluene	12.99	91	197355	21.916	ug/l	99
83) tert-Butylbenzene	13.21	119	193625	22.564	ug/l	100
84) 1,2,4-Trimethylbenzene	13.25	105	227911	22.048	ug/l	100
85) sec-Butylbenzene	13.38	105	280285	22.891	ug/l	100
86) p-Isopropyltoluene	13.50	119	251671	22.654	ug/l	100
87) 1,3-Dichlorobenzene	13.50	146	114671	21.614	ug/l	99
88) 1,4-Dichlorobenzene	13.58	146	112831	21.379	ug/l	98
89) n-Butylbenzene	13.82	91	249831	22.535	ug/l	100
90) Hexachloroethane	14.09	117	43673	22.231	ug/l	99
91) 1,2-Dichlorobenzene	13.87	146	99968	21.304	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.49	75	7358	18.739	ug/l	97

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VW0812SBS02

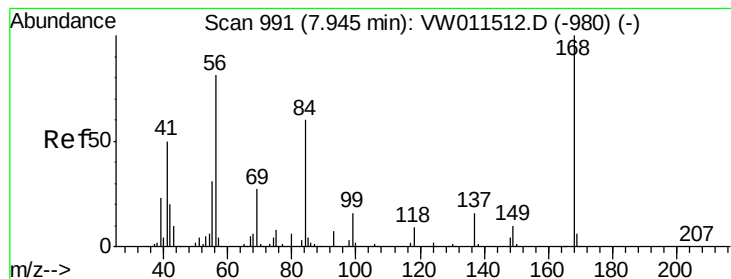
Manual Integrations
APPROVED

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Quant Title : SW846 8260
QLast Update : Sat Jul 27 00:23:30 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.13	180	69677	21.069	ug/l	99
94) Hexachlorobutadiene	15.24	225	46840	22.712	ug/l	98
95) Naphthalene	15.37	128	109066	18.206	ug/l	99
96) 1,2,3-Trichlorobenzene	15.56	180	59325	20.465	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.00 min

Lab File: VW011841.D

Acq: 12 Aug 2019 10:32

Instrument :

MSVOA_W

ClientSampleId :

VW0812SBS02

Tot Ion:168 Resp: 247893

Ion Ratio Lower Upper

168 100

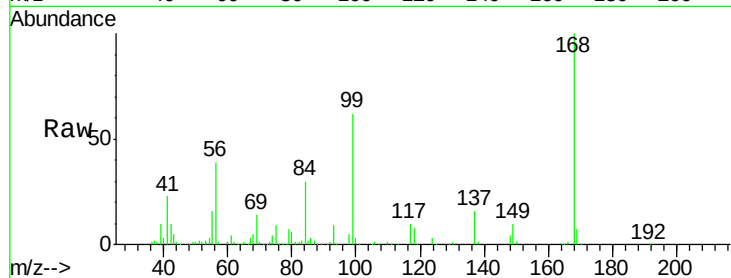
99 61.6 48.2 72.4

Manual Integrations

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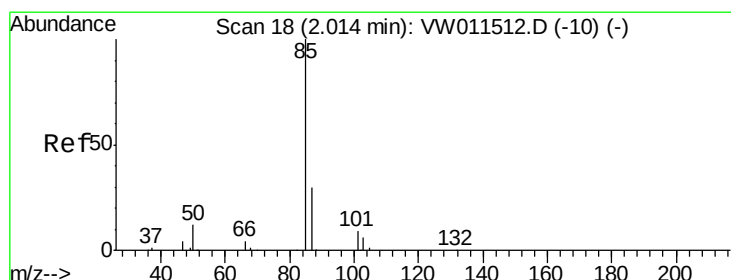
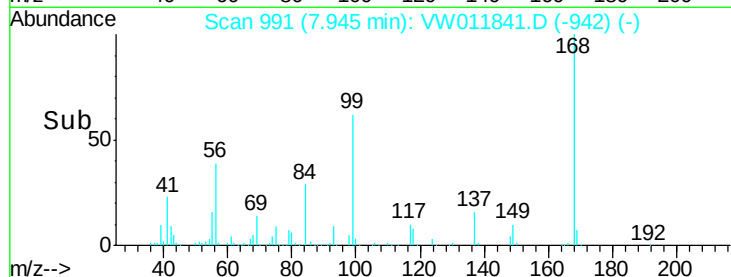
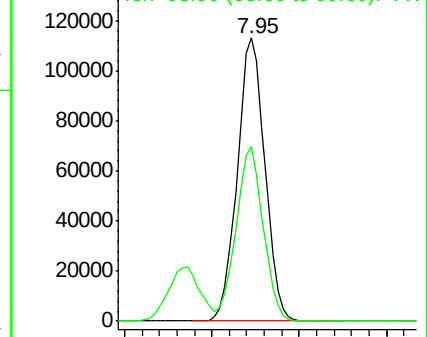
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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW



#2

Dichlorodifluoromethane

Concen: 24.575 ug/l

RT: 2.01 min Scan# 17

Delta R.T. -0.01 min

Lab File: VW011841.D

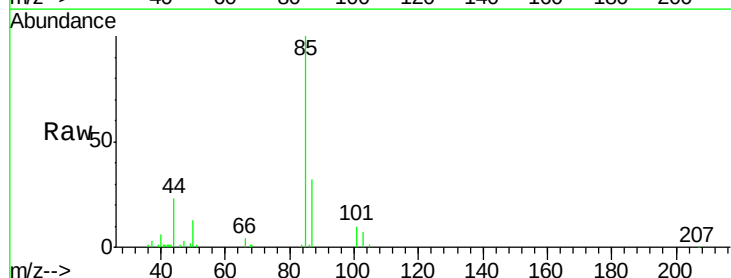
Acq: 12 Aug 2019 10:32

Tgt Ion: 85 Resp: 33952

Ion Ratio Lower Upper

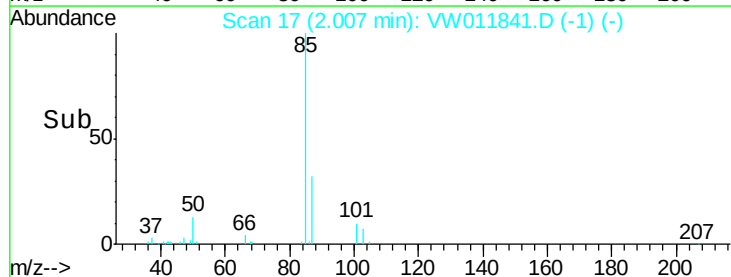
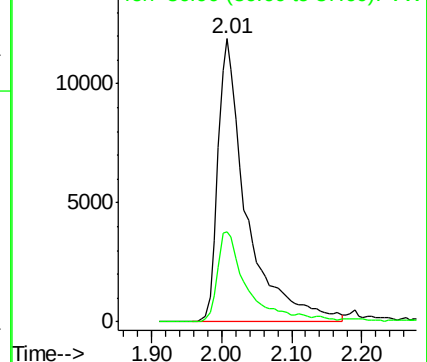
85 100

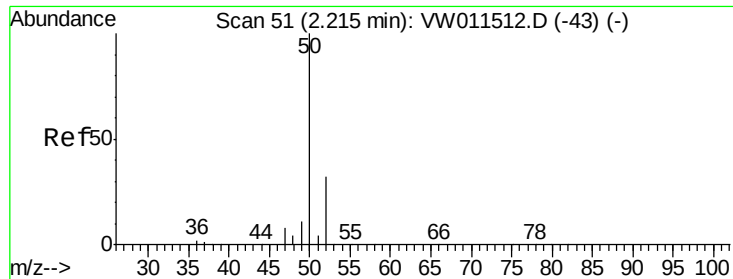
87 31.9 15.2 45.6



Abundance Ion 84.90 (84.60 to 85.60): VW

Ion 86.90 (86.60 to 87.60): VW





#3

Chloromethane

Concen: 20.615 ug/l

RT: 2.21 min Scan# 50

Delta R.T. -0.01 min

Lab File: VW011841.D

Acq: 12 Aug 2019 10:32

Instrument :

MSVOA_W

ClientSampleId :

VW0812SBS02

Tot Ion: 50 Resp: 49385

Ion Ratio Lower Upper

50 100

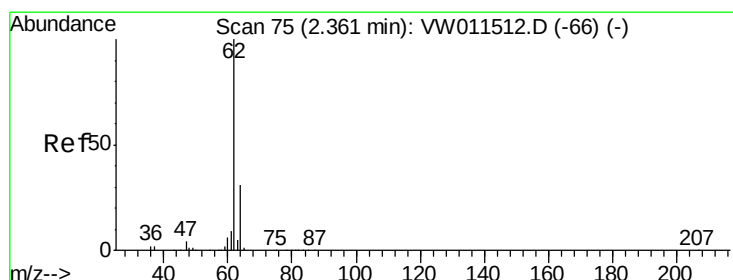
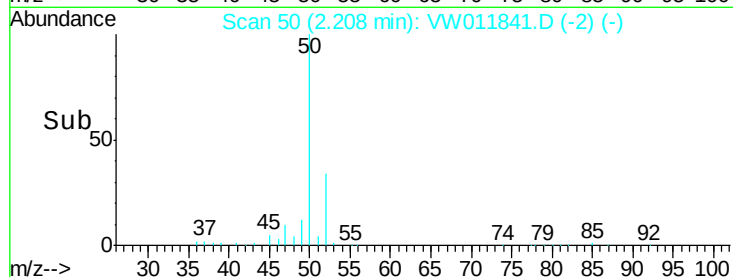
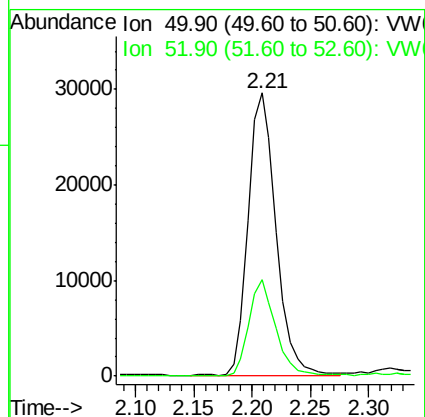
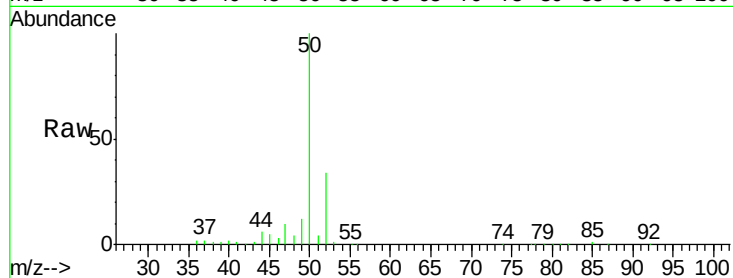
52 34.0 25.4 38.2

Manual Integrations

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#4

Vinyl Chloride

Concen: 22.313 ug/l

RT: 2.35 min Scan# 74

Delta R.T. -0.01 min

Lab File: VW011841.D

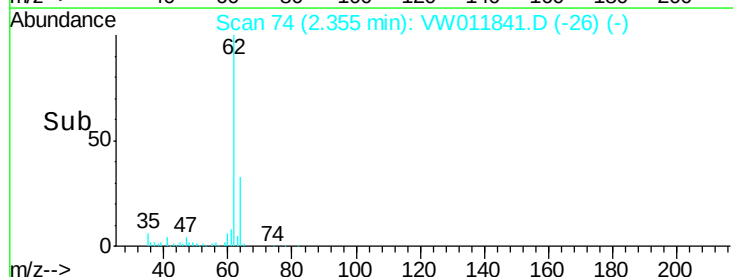
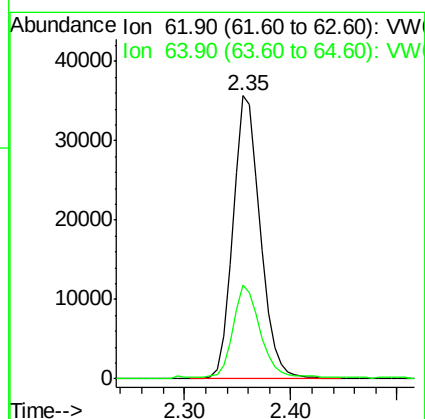
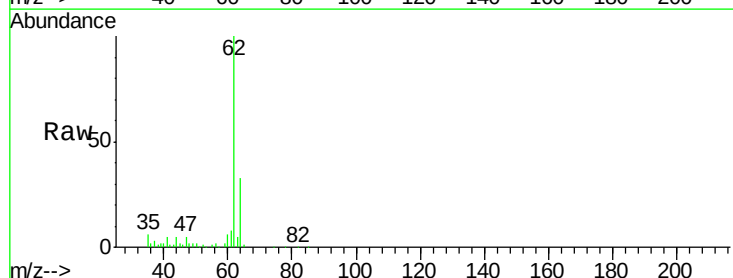
Acq: 12 Aug 2019 10:32

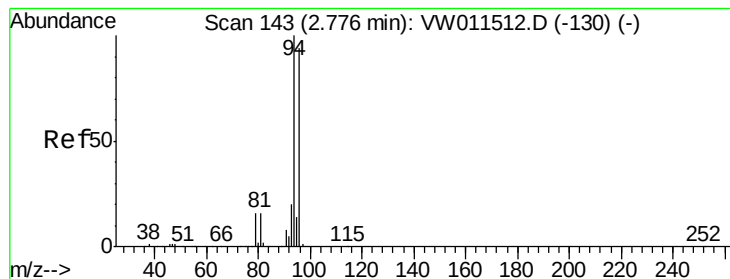
Tgt Ion: 62 Resp: 64353

Ion Ratio Lower Upper

62 100

64 32.4 25.0 37.4





#5

Bromomethane

Concen: 18.082 ug/l

RT: 2.77 min Scan# 142

Delta R.T. -0.01 min

Lab File: VW011841.D

Acq: 12 Aug 2019 10:32

Instrument :

MSVOA_W

ClientSampleId :

VW0812SBS02

Tot Ion: 94 Resp: 28866

Ion Ratio Lower Upper

94 100

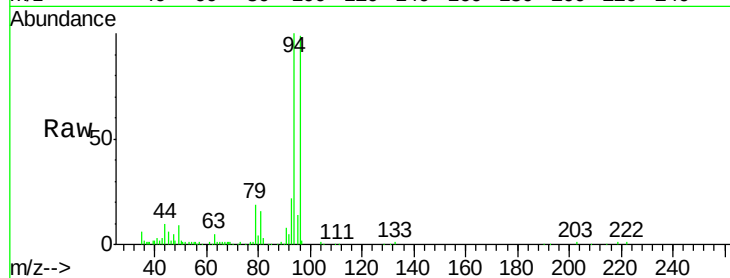
96 99.4 75.0 112.6

Manual Integrations

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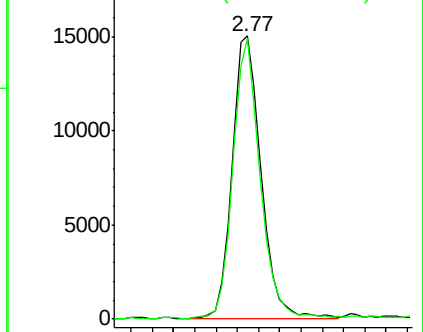
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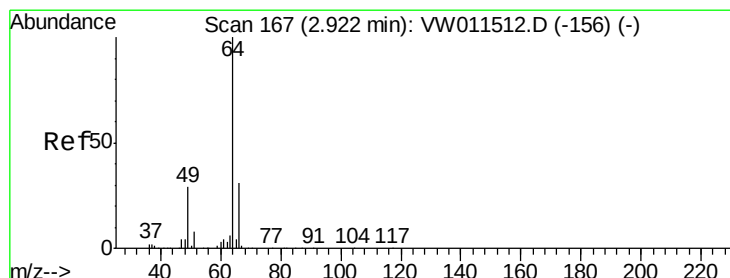
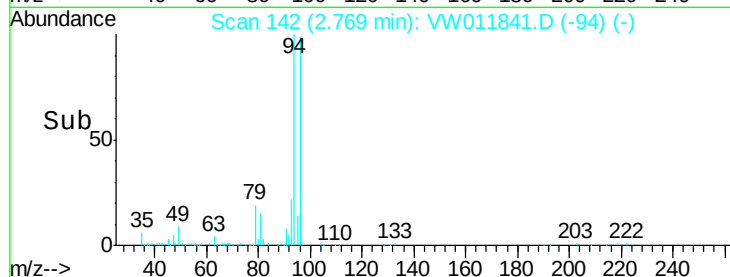


Abundance Ion 93.90 (93.60 to 94.60): VW

Ion 95.90 (95.60 to 96.60): VW



Time-->



#6

Chloroethane

Concen: 17.459 ug/l

RT: 2.90 min Scan# 163

Delta R.T. -0.02 min

Lab File: VW011841.D

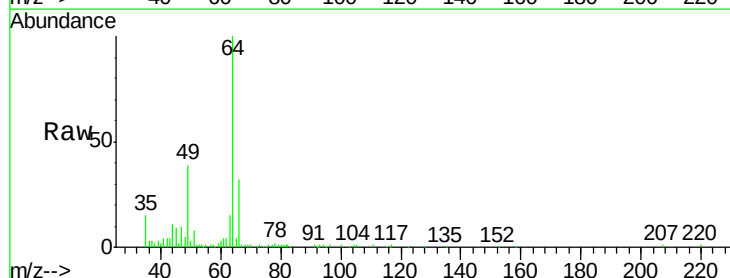
Acq: 12 Aug 2019 10:32

Tgt Ion: 64 Resp: 28764

Ion Ratio Lower Upper

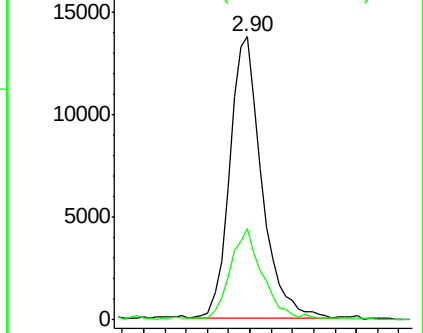
64 100

66 31.9 24.6 36.8

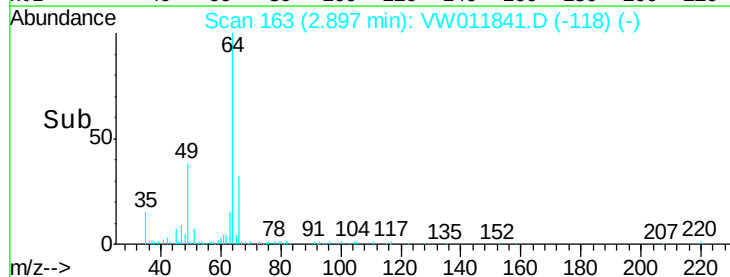


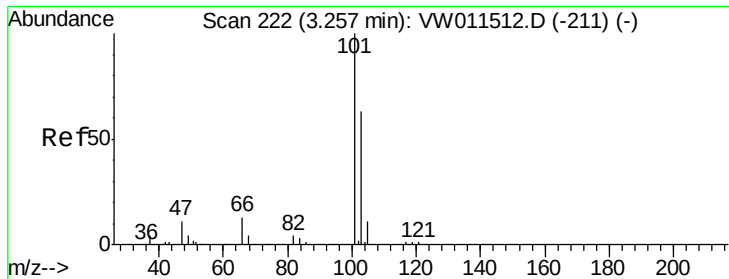
Abundance Ion 63.90 (63.60 to 64.60): VW

Ion 65.90 (65.60 to 66.60): VW



Time-->





#7

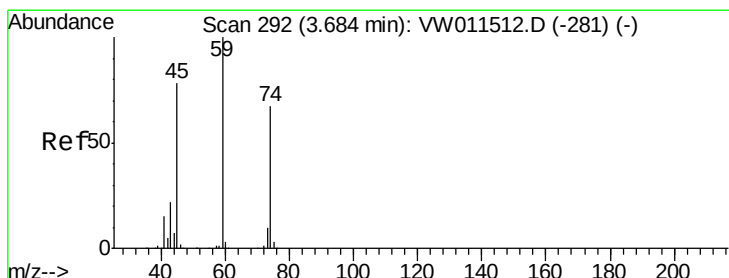
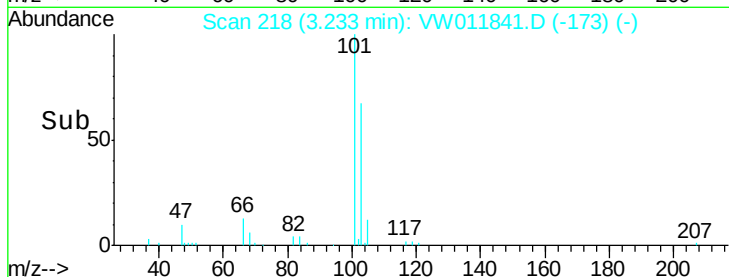
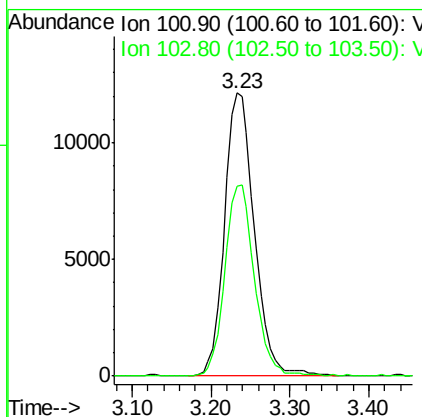
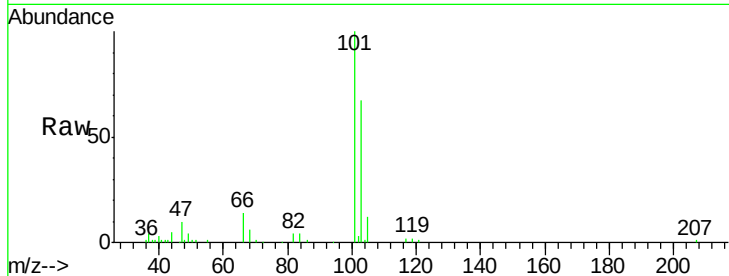
Trichlorofluoromethane
 Concen: 24.748 ug/l
 RT: 3.23 min Scan# 218
 Delta R.T. -0.02 min
 Lab File: VW011841.D
 Acq: 12 Aug 2019 10:32

Instrument :
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 VW0812SBS02

Tot Ion	Ratio	Lower	Upper
101	100		
103	67.1	50.2	75.4

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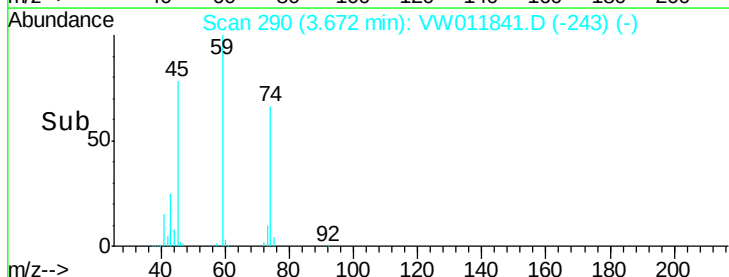
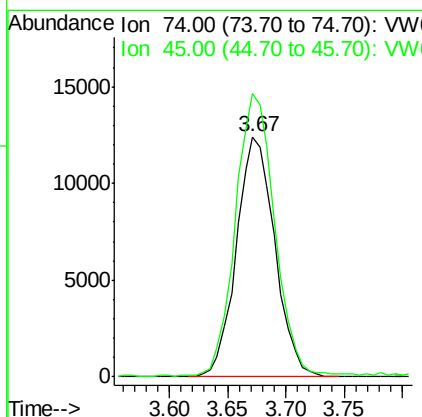
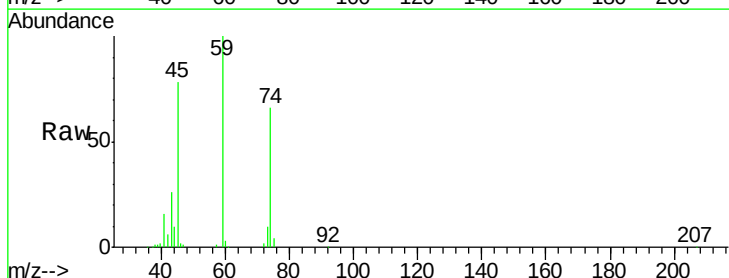
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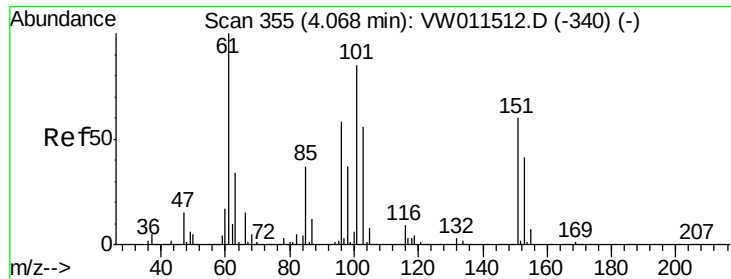


#8

Diethyl Ether
 Concen: 19.438 ug/l
 RT: 3.67 min Scan# 290
 Delta R.T. -0.01 min
 Lab File: VW011841.D
 Acq: 12 Aug 2019 10:32

Tgt Ion	Ratio	Lower	Upper
74	100		
45	121.5	59.6	178.8





#9

1,1,2-Trichlorotrifluoroethane

Concen: 22.064 ug/l

RT: 4.05 min Scan# 352

Delta R.T. -0.02 min

Lab File: VW011841.D

Acq: 12 Aug 2019 10:32

Instrument :

MSVOA_W

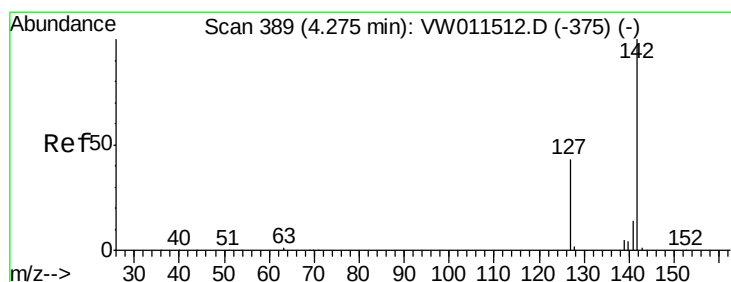
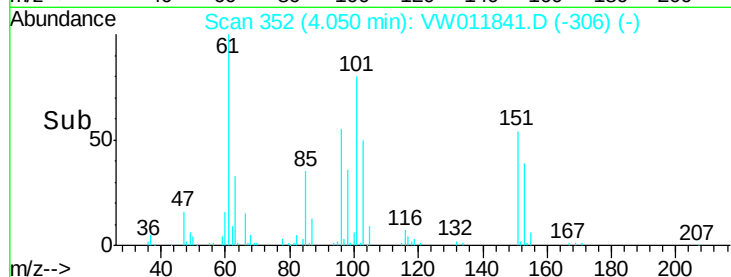
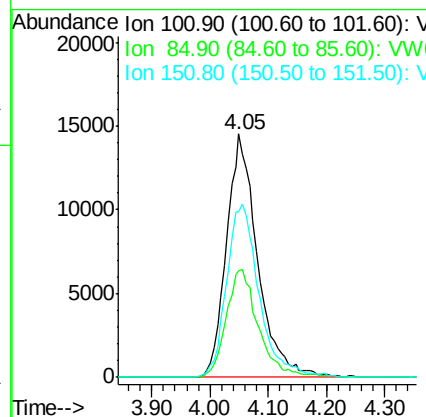
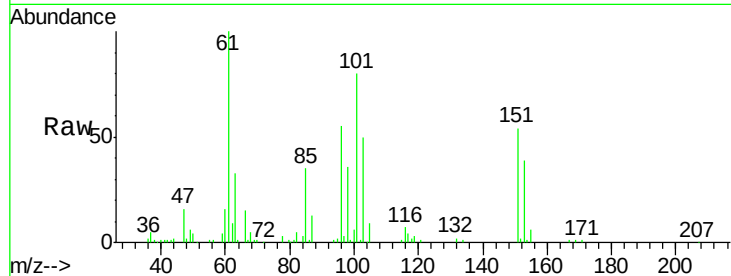
ClientSampleId :

VW0812SBS02

Tot Ion:	101	Resp:	53949
Ion Ratio	Lower	Upper	
101	100		
85	45.8	36.6	54.8
151	74.4	60.2	90.2

Manual Integrations
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#10

Methyl Iodide

Concen: 20.480 ug/l

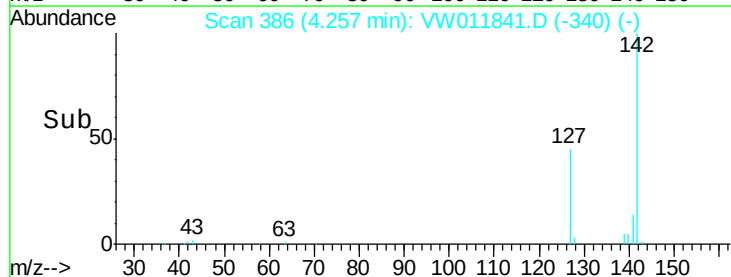
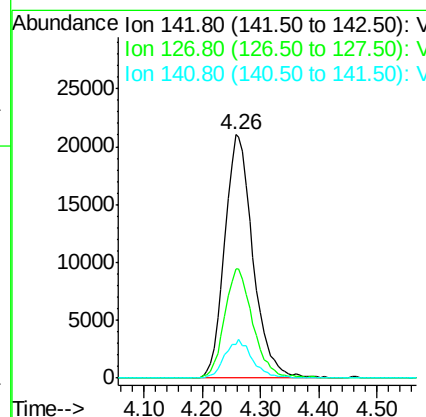
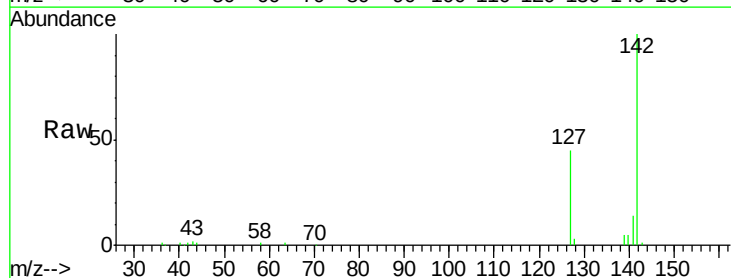
RT: 4.26 min Scan# 386

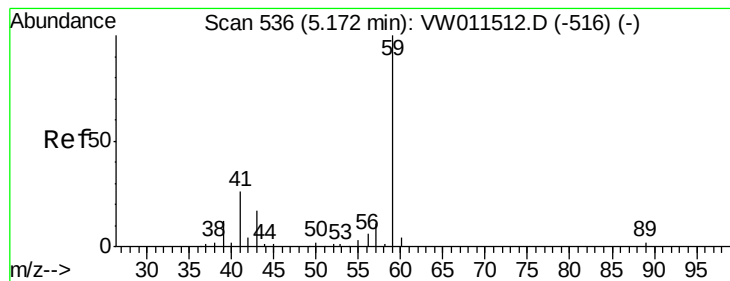
Delta R.T. -0.02 min

Lab File: VW011841.D

Acq: 12 Aug 2019 10:32

Tgt Ion:	142	Resp:	70767
Ion Ratio	Lower	Upper	
142	100		
127	45.2	35.0	52.6
141	15.4	11.9	17.9





#11

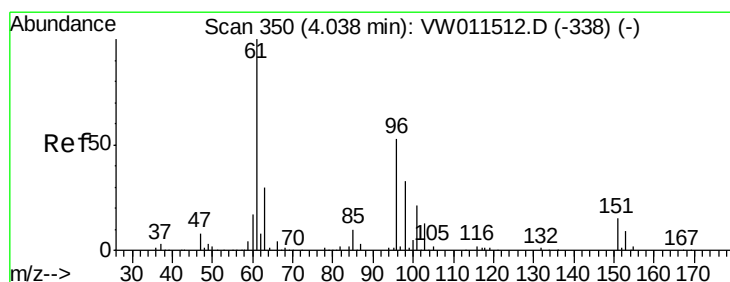
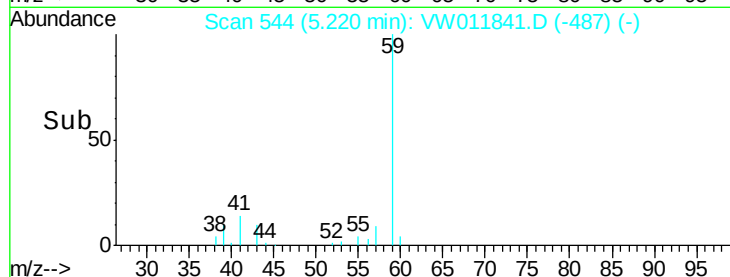
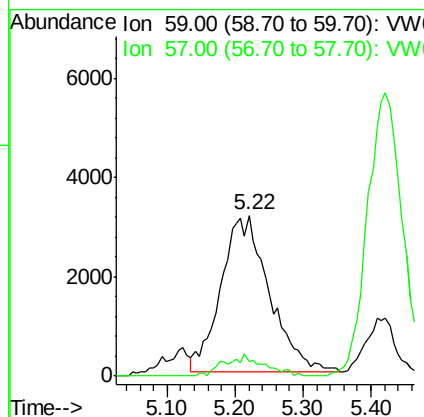
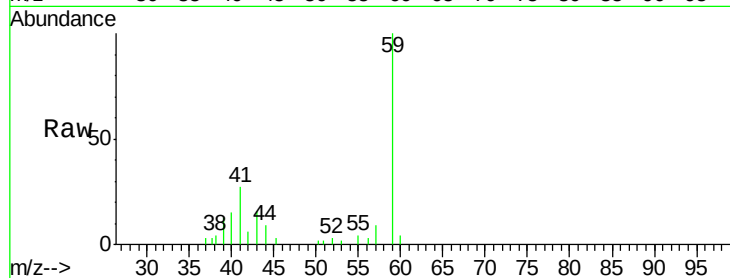
Tert butyl alcohol
 Concen: 60.497 ug/l
 RT: 5.22 min Scan# 544
 Delta R.T. 0.05 min
 Lab File: VW011841.D
 Acq: 12 Aug 2019 10:32

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0812SBS02

Tot Ion	Ratio	Resp	Lower	Upper
59	100	15548		
57	8.4		8.5	12.7#

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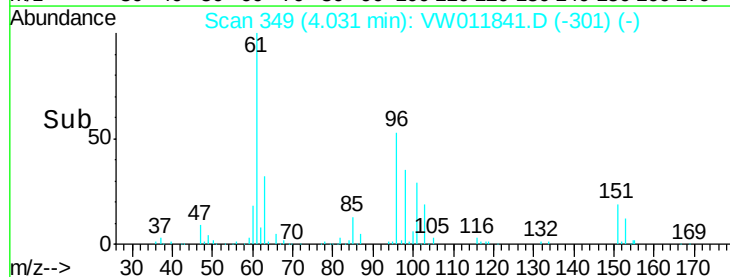
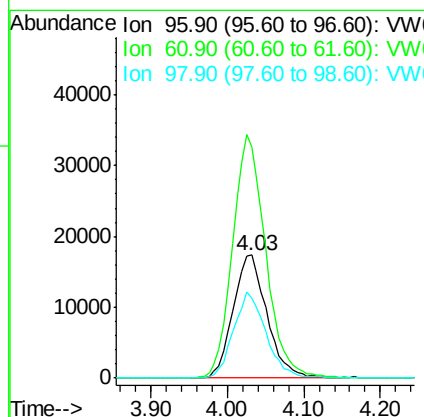
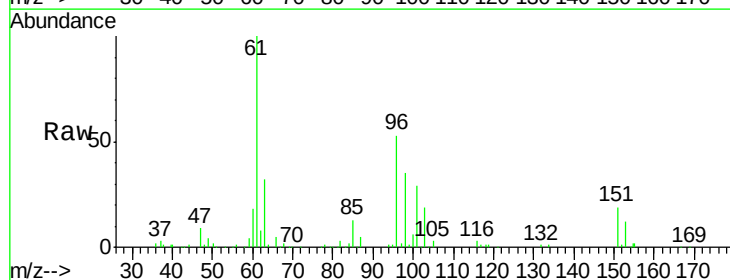
MMDadoda
 8/13/2019 4:32:17 PM

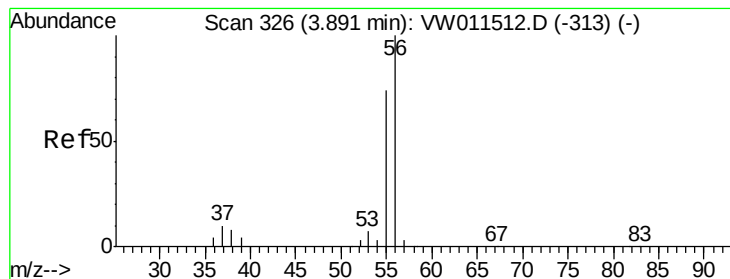


#12

1,1-Dichloroethene
 Concen: 20.692 ug/l
 RT: 4.03 min Scan# 349
 Delta R.T. -0.01 min
 Lab File: VW011841.D
 Acq: 12 Aug 2019 10:32

Tgt Ion	Ratio	Resp	Lower	Upper
96	100	53421		
61	187.5		149.9	224.9
98	64.7		49.1	73.7





#13

Acrolein

Concen: 65.333 ug/l

RT: 3.89 min Scan# 326

Delta R.T. -0.00 min

Lab File: VW011841.D

Acq: 12 Aug 2019 10:32

Instrument :

MSVOA_W

ClientSampled :

VW0812SBS02

Tot Ion: 56 Resp: 13344

Ion Ratio Lower Upper

56 100

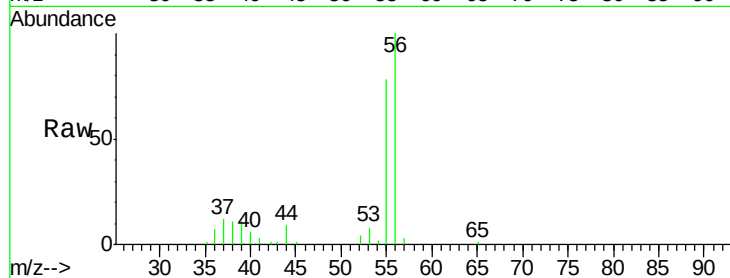
55 73.2 56.0 84.0

Manual Integrations

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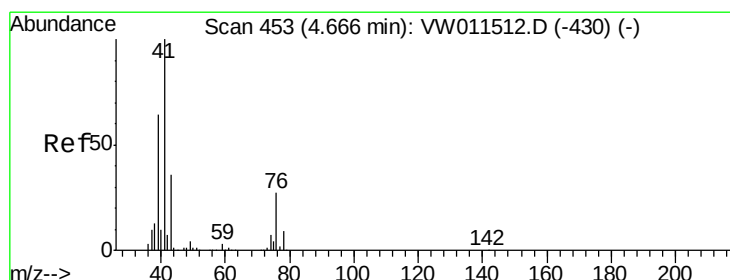
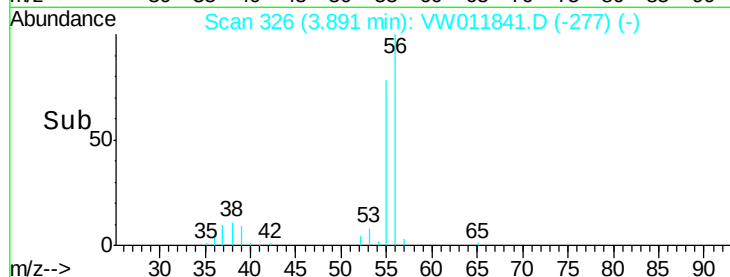
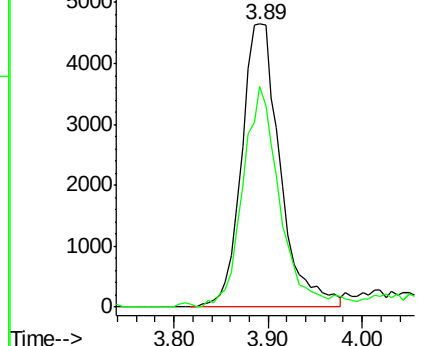
MMDadoda

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Abundance Ion 56.00 (55.70 to 56.70): VW

Ion 55.00 (54.70 to 55.70): VW



#14

Allyl chloride

Concen: 21.285 ug/l

RT: 4.65 min Scan# 451

Delta R.T. -0.01 min

Lab File: VW011841.D

Acq: 12 Aug 2019 10:32

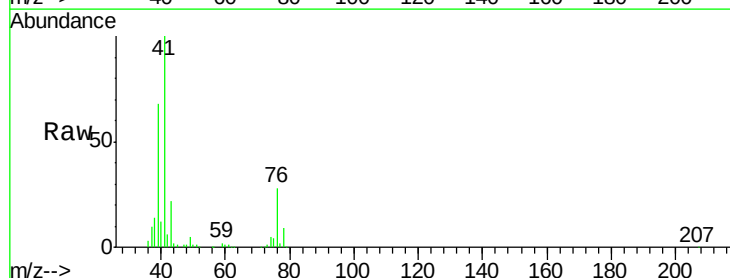
Tgt Ion: 41 Resp: 116874

Ion Ratio Lower Upper

41 100

39 68.6 52.6 78.8

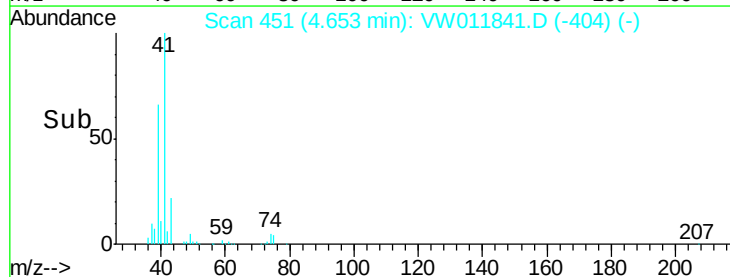
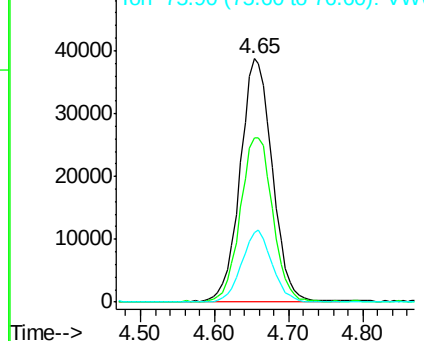
76 27.9 22.0 33.0

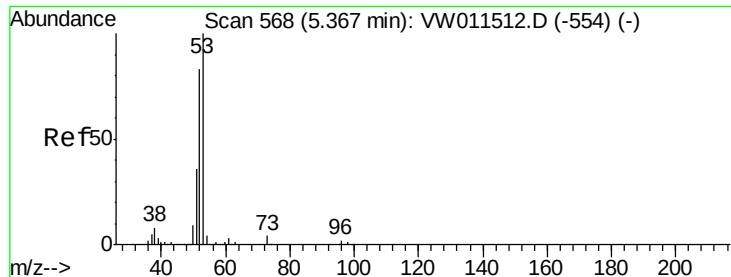


Abundance Ion 41.00 (40.70 to 41.70): VW

Ion 39.00 (38.70 to 39.70): VW

Ion 75.90 (75.60 to 76.60): VW





#15

Acrylonitrile

Concen: 91.569 ug/l

RT: 5.36 min Scan# 567

Delta R.T. -0.01 min

Lab File: VW011841.D

Acq: 12 Aug 2019 10:32

Instrument :

MSVOA_W

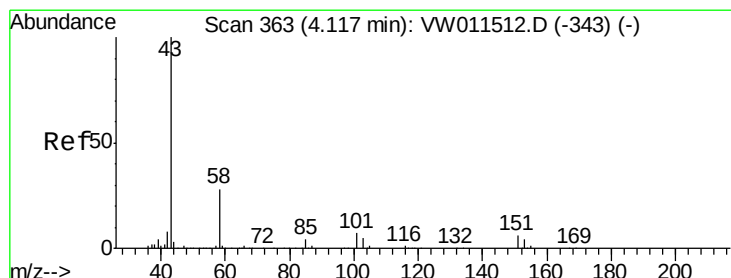
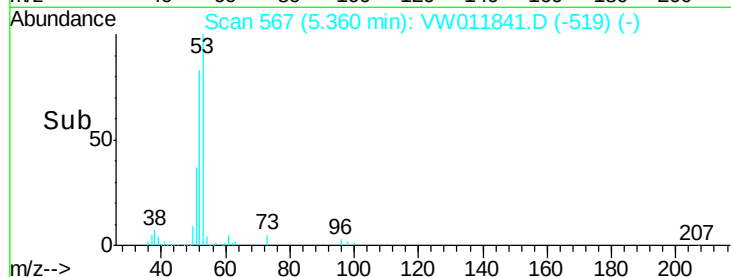
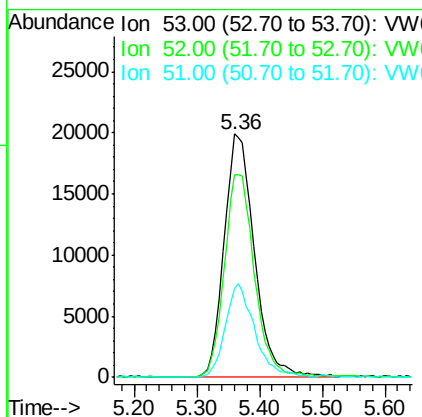
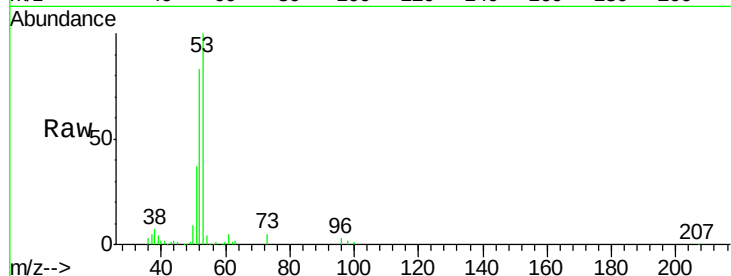
ClientSampleId :

VW0812SBS02

Tot Ion:	53	Resp:	66803
Ion	Ratio	Lower	Upper
53	100		
52	82.6	67.2	100.8
51	37.2	30.0	45.0

Manual Integrations
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MMDadoda
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#16

Acetone

Concen: 72.845 ug/l

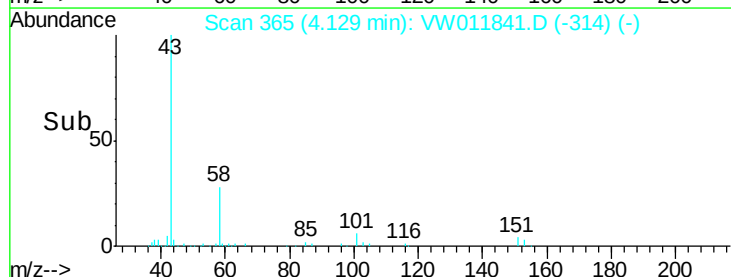
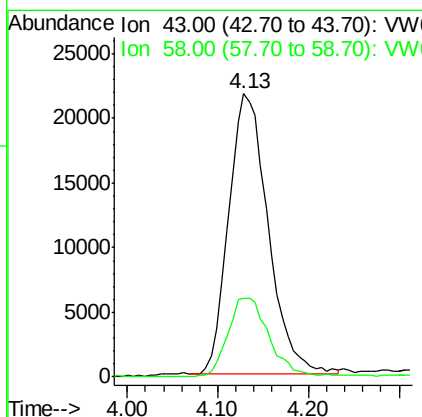
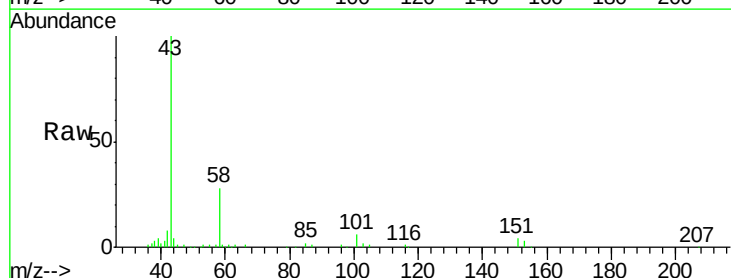
RT: 4.13 min Scan# 365

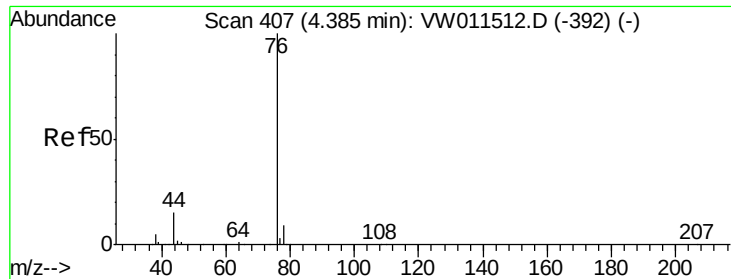
Delta R.T. 0.01 min

Lab File: VW011841.D

Acq: 12 Aug 2019 10:32

Tgt Ion:	43	Resp:	65959
Ion	Ratio	Lower	Upper
43	100		
58	27.7	22.3	33.5





#17

Carbon Disulfide

Concen: 20.006 ug/l

RT: 4.37 min Scan# 405

Delta R.T. -0.01 min

Lab File: VW011841.D

Acq: 12 Aug 2019 10:32

Instrument :

MSVOA_W

ClientSampleId :

VW0812SBS02

Tot Ion: 76 Resp: 161656

Ion Ratio Lower Upper

76 100

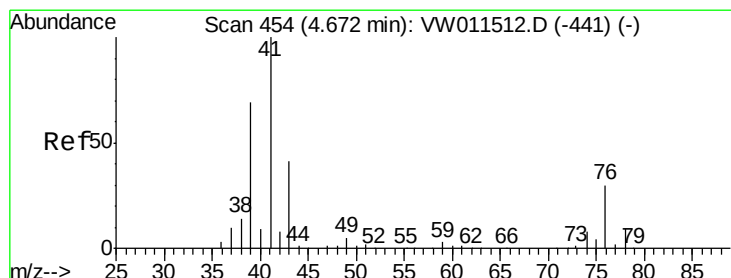
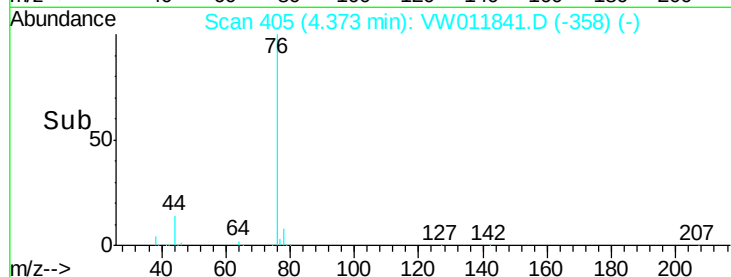
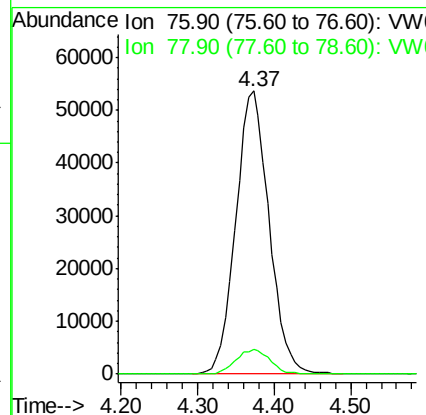
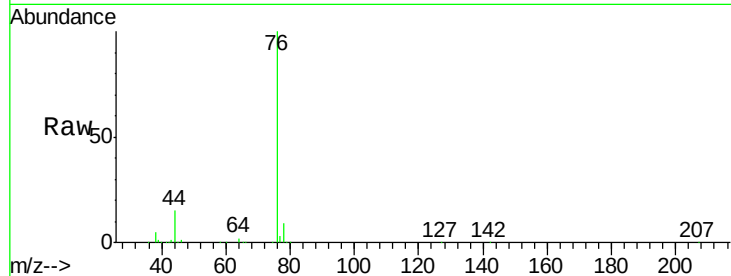
78 8.7 7.1 10.7

Manual Integrations

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#18

Methyl Acetate

Concen: 17.658 ug/l

RT: 4.67 min Scan# 453

Delta R.T. -0.01 min

Lab File: VW011841.D

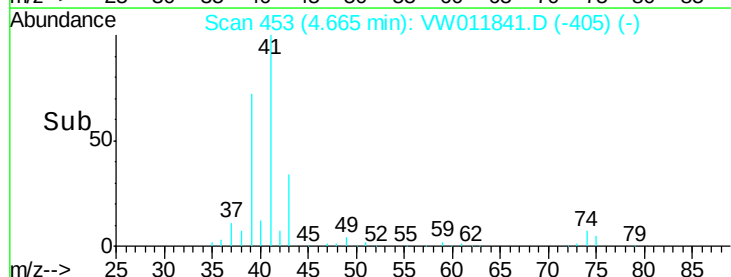
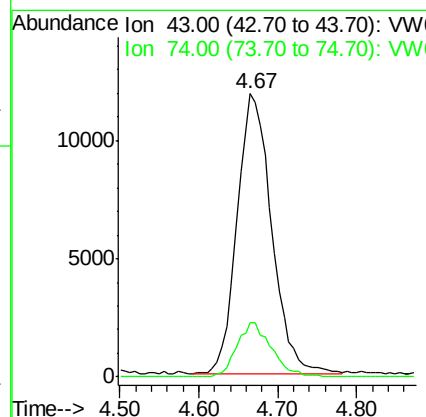
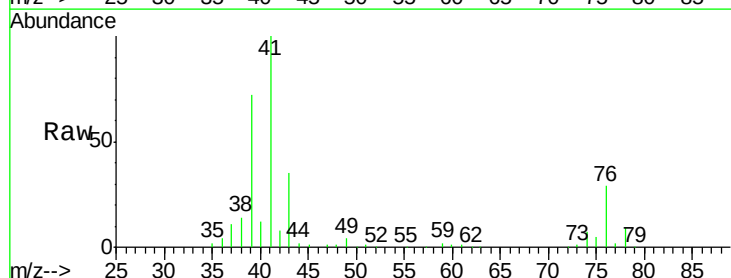
Acq: 12 Aug 2019 10:32

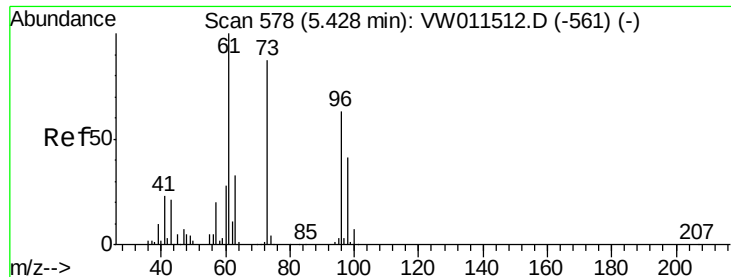
Tgt Ion: 43 Resp: 35919

Ion Ratio Lower Upper

43 100

74 19.5 15.9 23.9





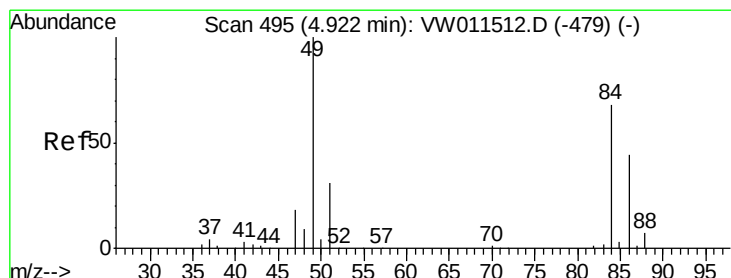
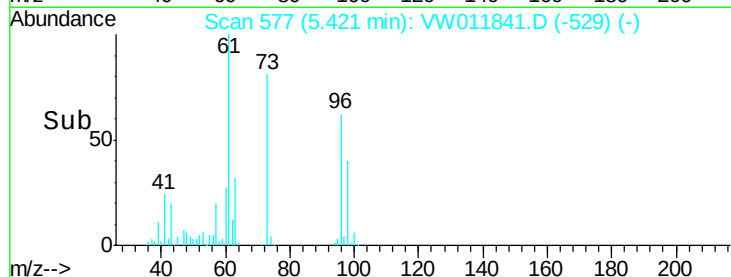
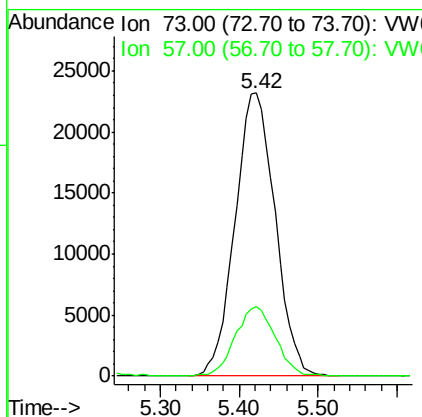
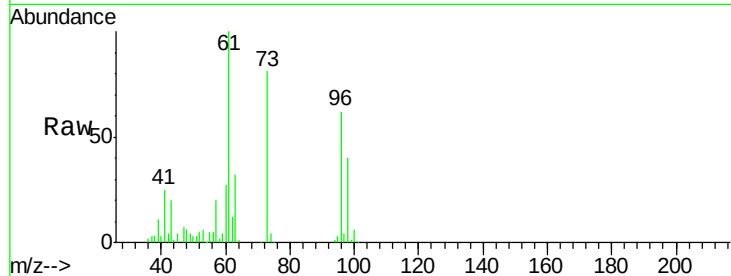
#19
Methyl tert-butyl Ether
Concen: 20.010 ug/l
RT: 5.42 min Scan# 577
Delta R.T. -0.01 min
Lab File: VW011841.D
Acq: 12 Aug 2019 10:32

Instrument :
MSVOA_W
ClientSampleId :
VW0812SBS02

Tot Ion: 73 Resp: 81980
Ion Ratio Lower Upper
73 100
57 24.6 18.4 27.6

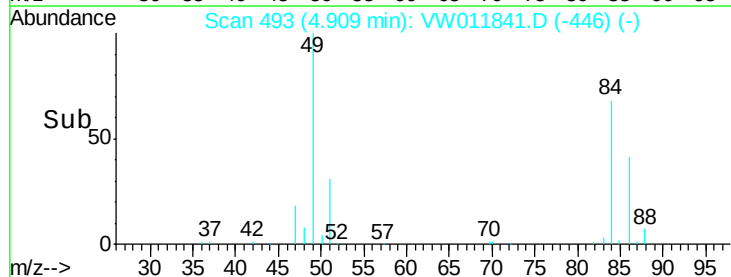
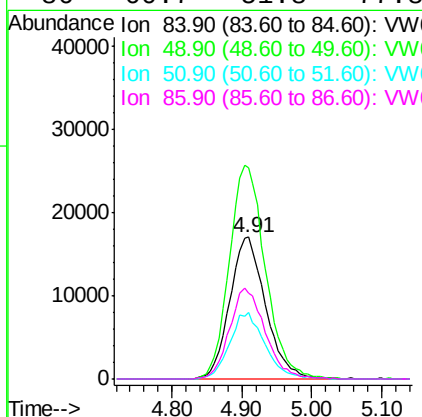
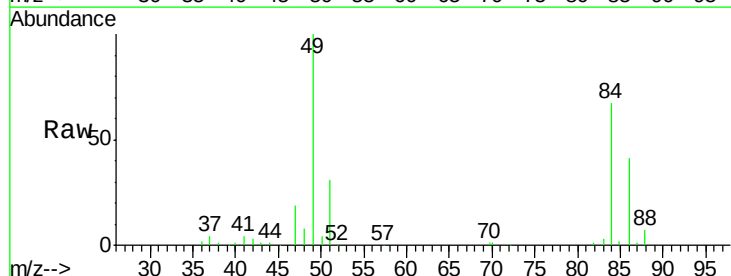
Manual Integrations
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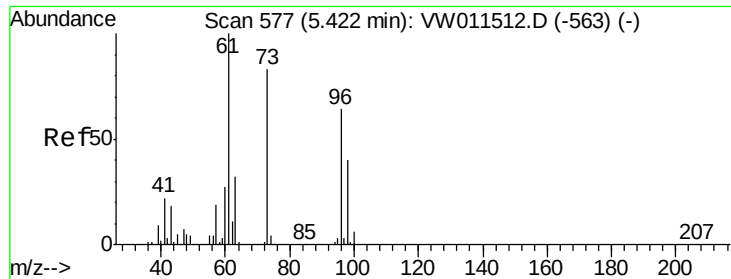
MMDadoda
8/13/2019 4:32:17 PM



#20
Methylene Chloride
Concen: 19.514 ug/l
RT: 4.91 min Scan# 493
Delta R.T. -0.01 min
Lab File: VW011841.D
Acq: 12 Aug 2019 10:32

Tgt Ion: 84 Resp: 60937
Ion Ratio Lower Upper
84 100
49 149.0 117.8 176.6
51 46.5 37.0 55.4
86 60.7 51.8 77.8





#21

trans-1,2-Dichloroethene

Concen: 21.016 ug/l

RT: 5.42 min Scan# 576

Delta R.T. -0.01 min

Lab File: VW011841.D

Acq: 12 Aug 2019 10:32

Instrument :

MSVOA_W

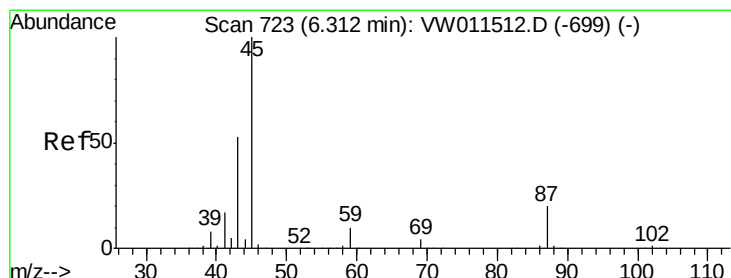
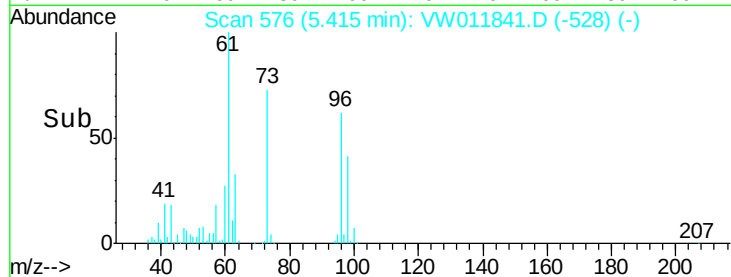
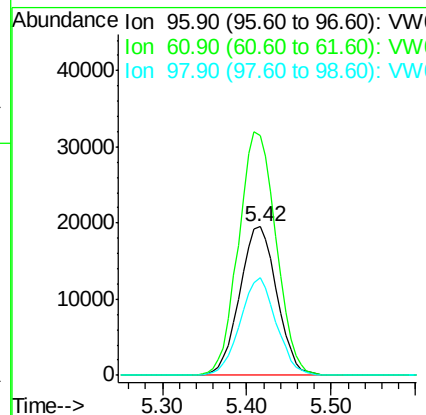
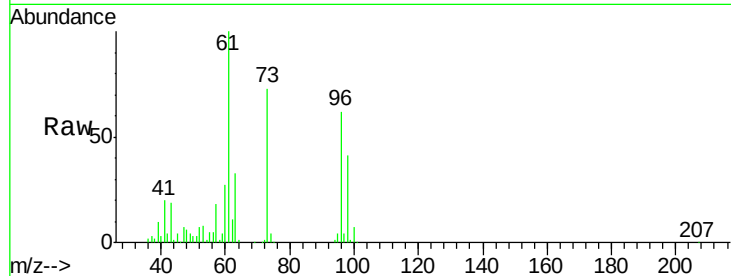
ClientSampleId :

VW0812SBS02

Tot Ion:	96	Resp:	58494
Ion	Ratio	Lower	Upper
96	100		
61	161.0	125.7	188.5
98	65.6	50.3	75.5

Manual Integrations
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#22

Diisopropyl ether

Concen: 20.666 ug/l

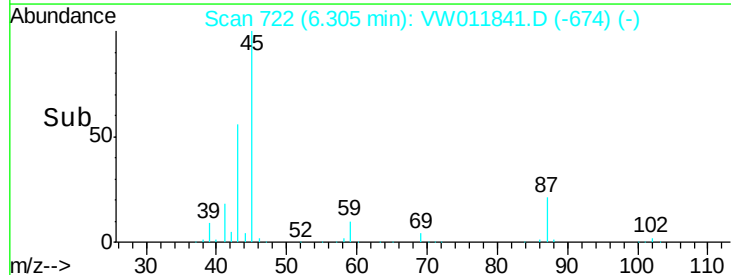
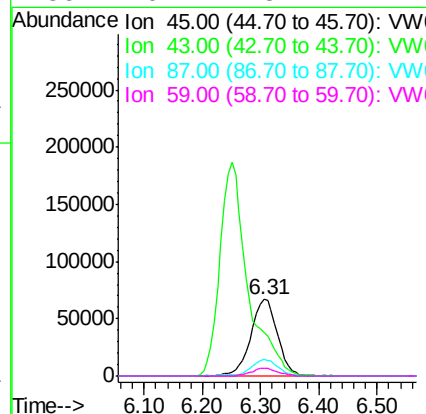
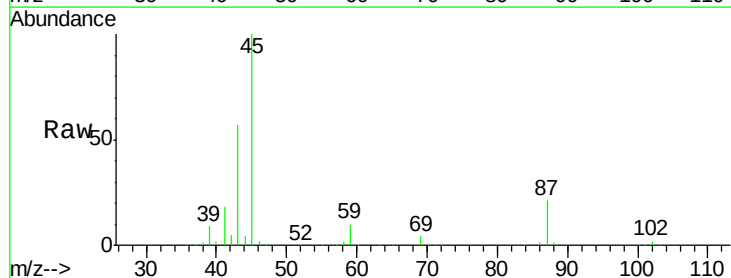
RT: 6.31 min Scan# 722

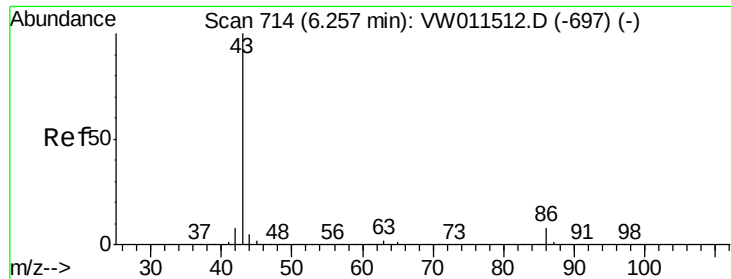
Delta R.T. -0.01 min

Lab File: VW011841.D

Acq: 12 Aug 2019 10:32

Tgt Ion:	45	Resp:	213946
Ion	Ratio	Lower	Upper
45	100		
43	56.3	42.6	63.8
87	21.3	16.4	24.6
59	9.7	8.2	12.2





#23

Vinyl Acetate

Concen: 95.604 ug/l

RT: 6.25 min Scan# 713

Delta R.T. -0.01 min

Lab File: VW011841.D

Acq: 12 Aug 2019 10:32

Instrument :

MSVOA_W

ClientSampleId :

VW0812SBS02

Tot Ion: 43 Resp: 621912

Ion Ratio Lower Upper

43 100

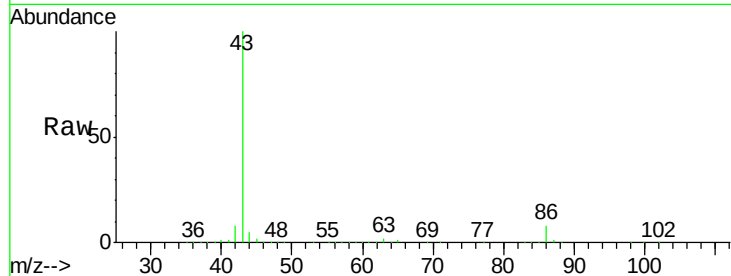
86 8.3 6.5 9.7

Manual Integrations

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MMDadoda

8/13/2019 4:32:17 PM



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 86.00 (85.70 to 86.70): VW

6.25

200000

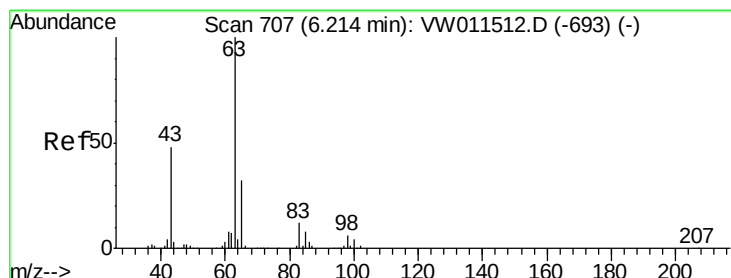
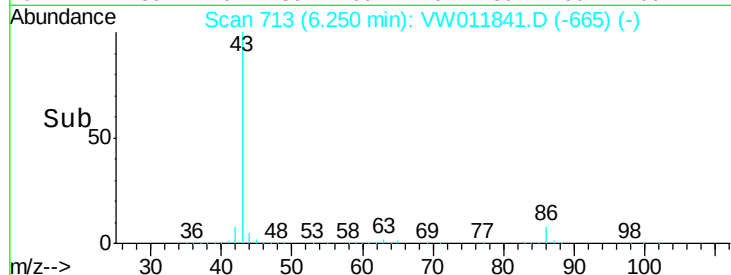
150000

100000

50000

0

Time-->



#24

1,1-Dichloroethane

Concen: 21.306 ug/l

RT: 6.21 min Scan# 706

Delta R.T. -0.01 min

Lab File: VW011841.D

Acq: 12 Aug 2019 10:32

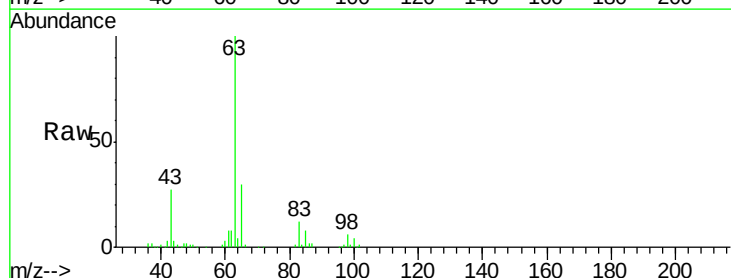
Tgt Ion: 63 Resp: 118132

Ion Ratio Lower Upper

63 100

98 6.3 2.9 8.8

100 3.8 2.1 6.3



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

50000

40000

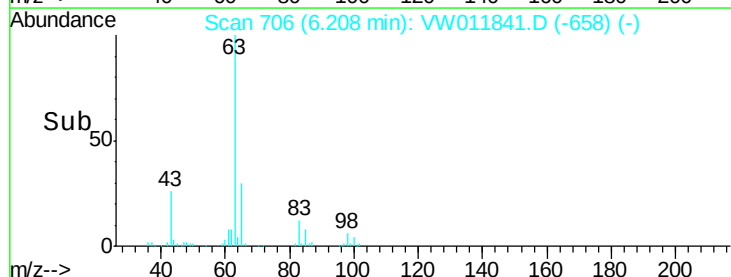
30000

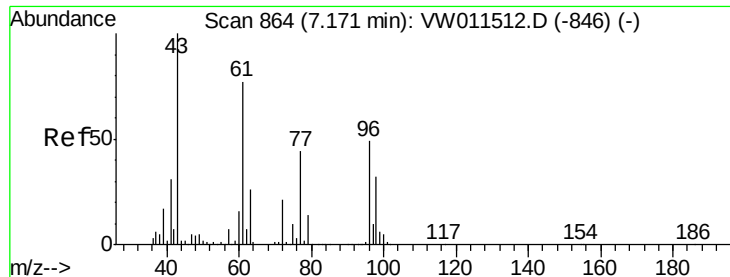
20000

10000

0

Time-->





#25

2-Butanone

Concen: 79.300 ug/l

RT: 7.17 min Scan# 864

Delta R.T. -0.00 min

Lab File: VW011841.D

Acq: 12 Aug 2019 10:32

Instrument :

MSVOA_W

ClientSampleId :

VW0812SBS02

Tot Ion: 43 Resp: 93957

Ion Ratio Lower Upper

43 100

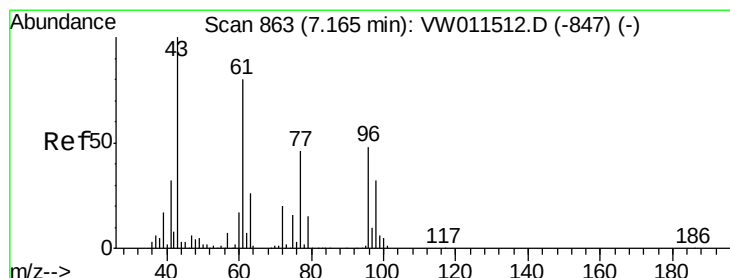
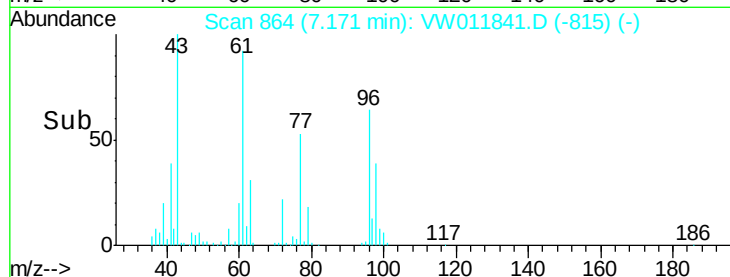
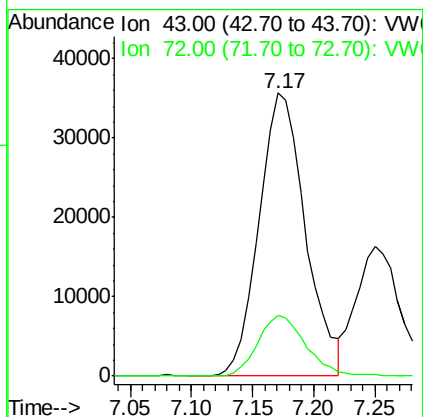
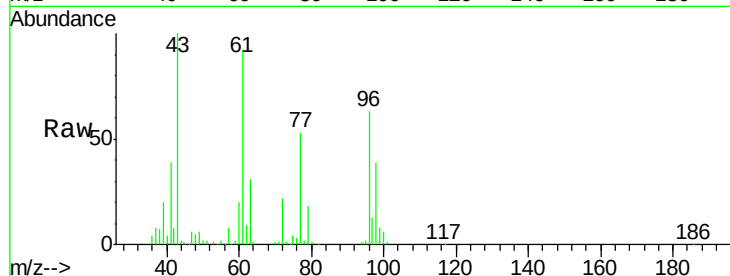
72 21.6 16.6 24.8

Manual Integrations

APPROVED

MMDadoda

8/13/2019 4:32:17 PM



#26

2,2-Dichloropropane

Concen: 19.090 ug/l

RT: 7.16 min Scan# 862

Delta R.T. -0.01 min

Lab File: VW011841.D

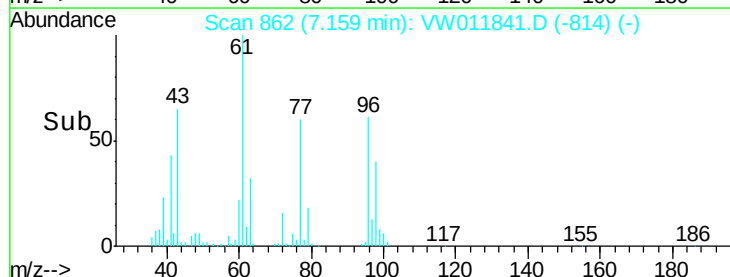
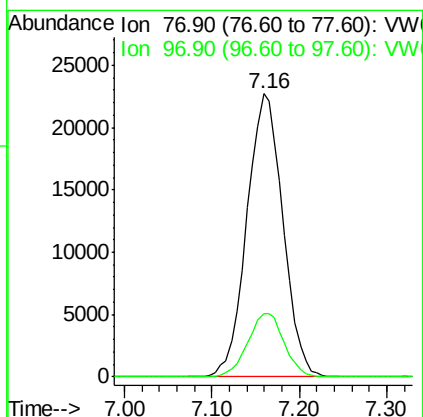
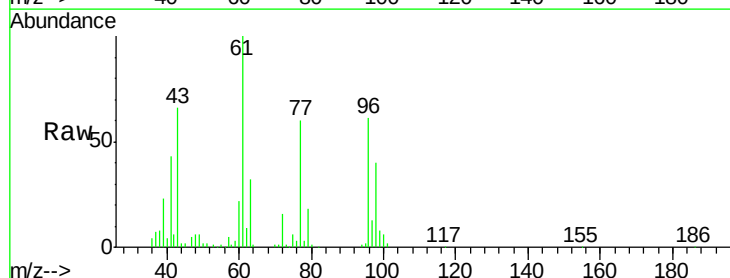
Acq: 12 Aug 2019 10:32

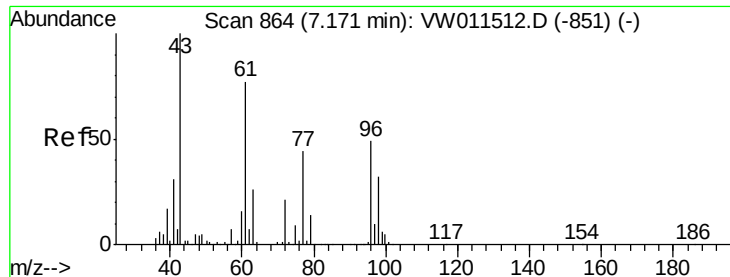
Tgt Ion: 77 Resp: 65094

Ion Ratio Lower Upper

77 100

97 22.7 10.8 32.4





#27

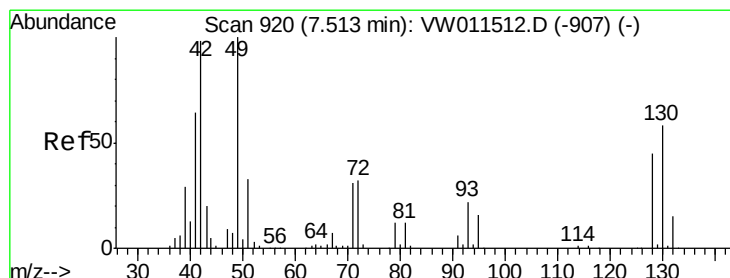
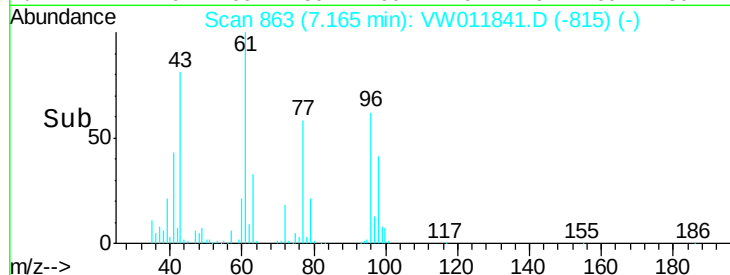
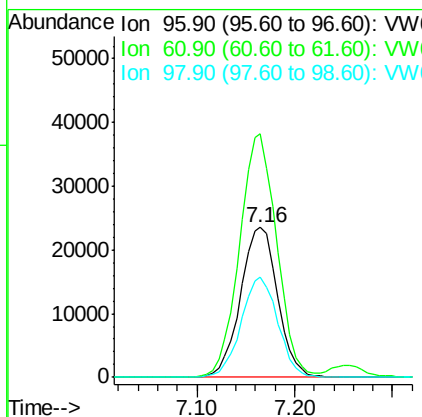
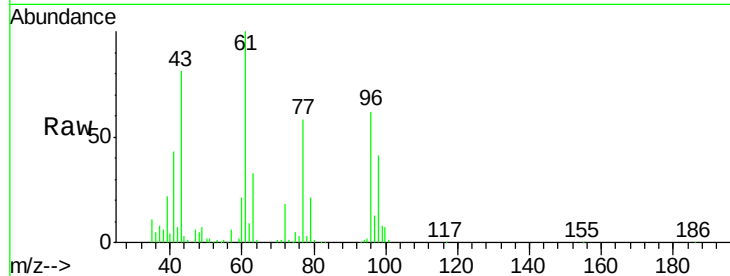
cis-1,2-Dichloroethene
Concen: 20.269 ug/l
RT: 7.16 min Scan# 863
Delta R.T. -0.01 min
Lab File: VW011841.D
Acq: 12 Aug 2019 10:32

Instrument :
MSVOA_W
ClientSampleId :
VW0812SBS02

Tot Ion	Ratio	Lower	Upper
96	100		
61	162.8	0.0	328.4
98	65.9	0.0	128.8

Manual Integrations
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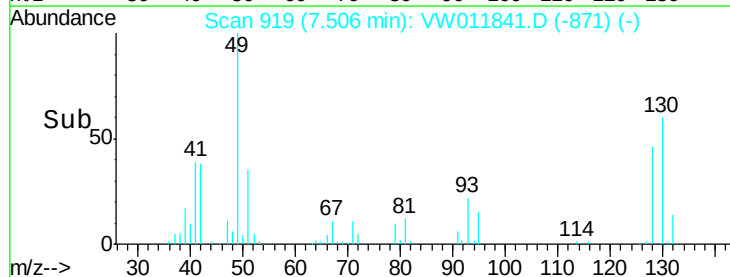
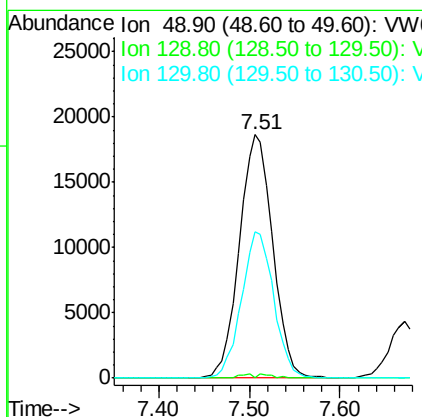
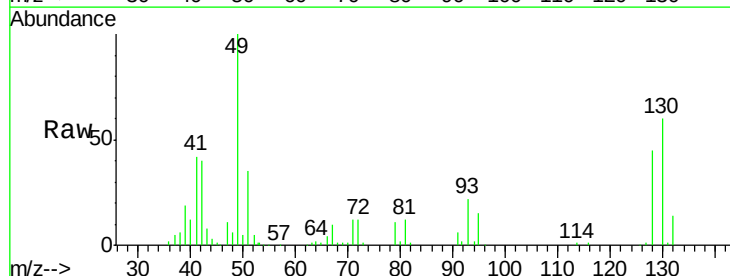
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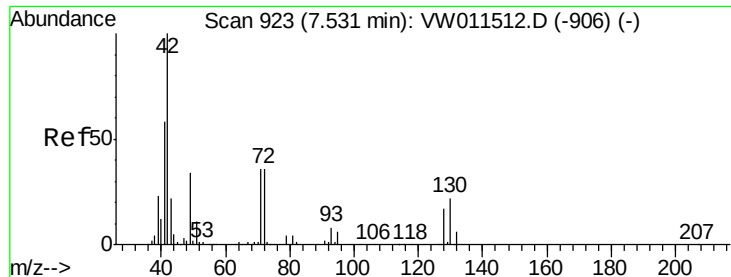


#28

Bromochloromethane
Concen: 19.263 ug/l
RT: 7.51 min Scan# 919
Delta R.T. -0.01 min
Lab File: VW011841.D
Acq: 12 Aug 2019 10:32

Tgt Ion	Ratio	Lower	Upper
49	100		
129	0.8	0.0	1.0
130	58.0	46.3	69.5





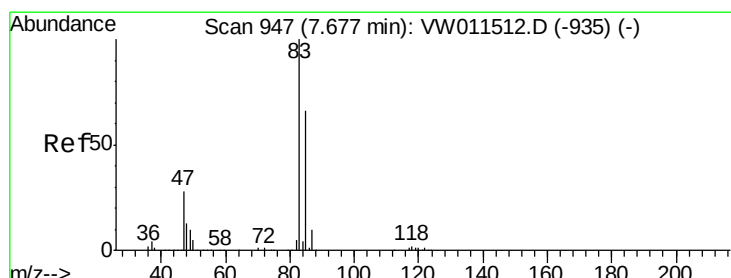
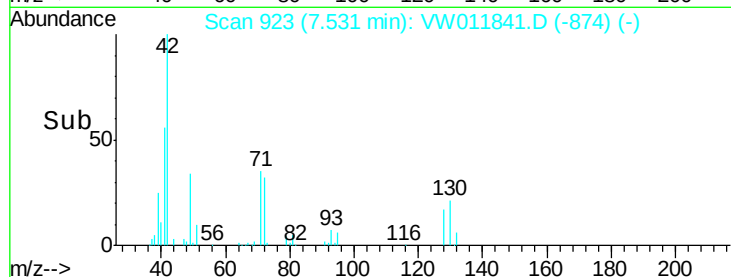
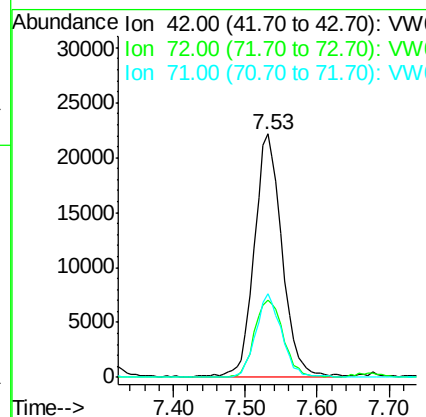
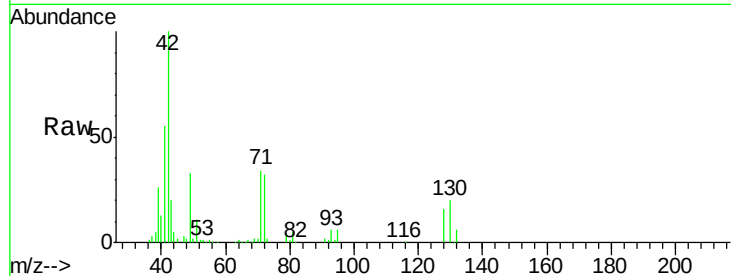
#29
Tetrahydrofuran
Concen: 86.460 ug/l
RT: 7.53 min Scan# 923
Delta R.T. -0.00 min
Lab File: VW011841.D
Acq: 12 Aug 2019 10:32

Instrument :
MSVOA_W
ClientSampleId :
VW0812SBS02

Tot Ion:	42	Resp:	58556
Ion	Ratio	Lower	Upper
42	100		
72	33.6	27.1	40.7
71	32.5	26.2	39.4

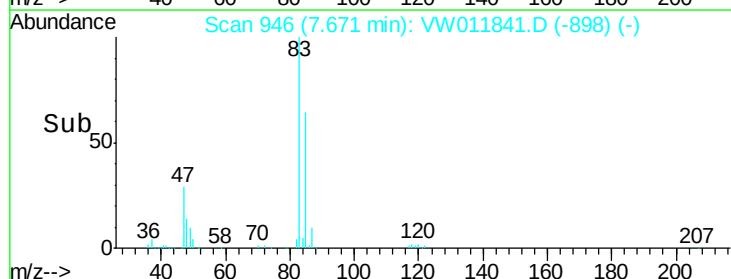
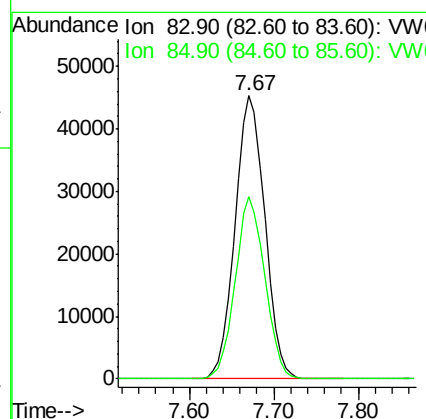
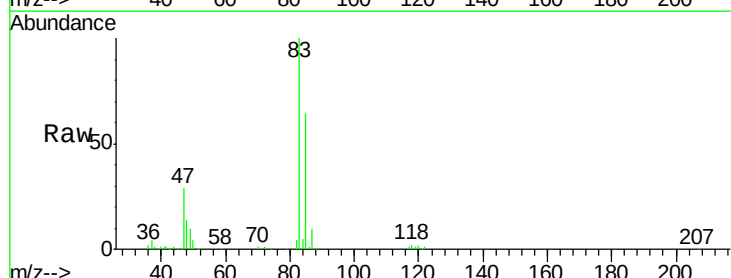
Manual Integrations
APPROVED

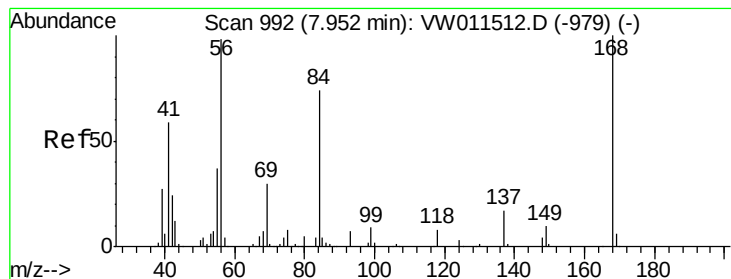
MMDadoda
8/13/2019 4:32:17 PM



#30
Chloroform
Concen: 21.141 ug/l
RT: 7.67 min Scan# 946
Delta R.T. -0.01 min
Lab File: VW011841.D
Acq: 12 Aug 2019 10:32

Tgt Ion:	83	Resp:	108138
Ion	Ratio	Lower	Upper
83	100		
85	64.4	52.5	78.7





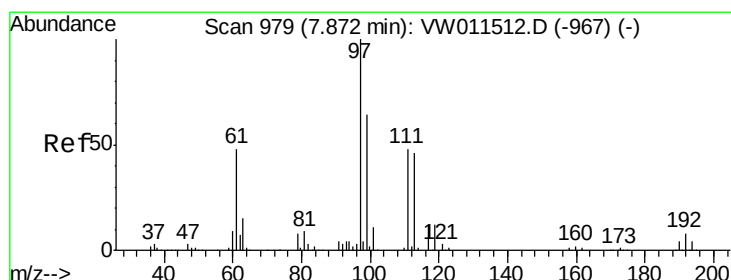
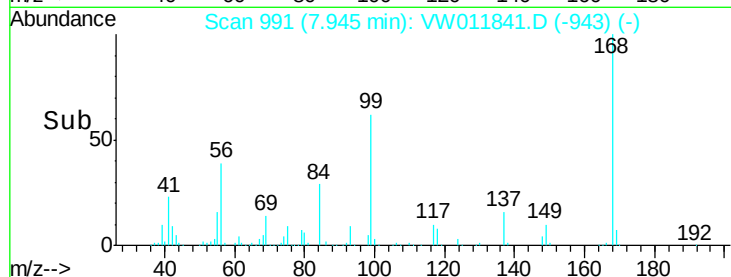
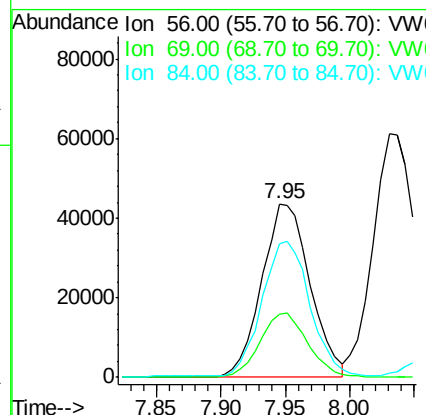
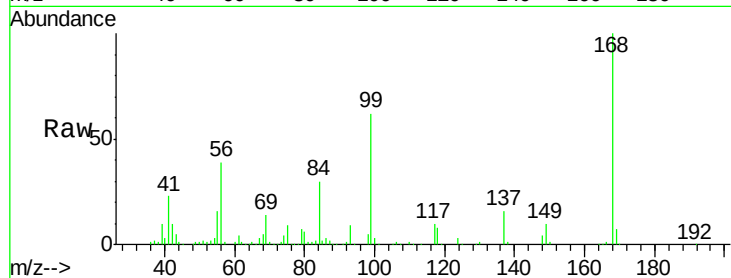
#31
Cyclohexane
Concen: 21.365 ug/l
RT: 7.95 min Scan# 991
Delta R.T. -0.01 min
Lab File: VW011841.D
Acq: 12 Aug 2019 10:32

Instrument :
MSVOA_W
ClientSampleId :
VW0812SBS02

Tot Ion	56	Resp	113711
Ion Ratio	Lower	Upper	
56	100		
69	36.3	24.3	36.5
84	75.7	60.4	90.6

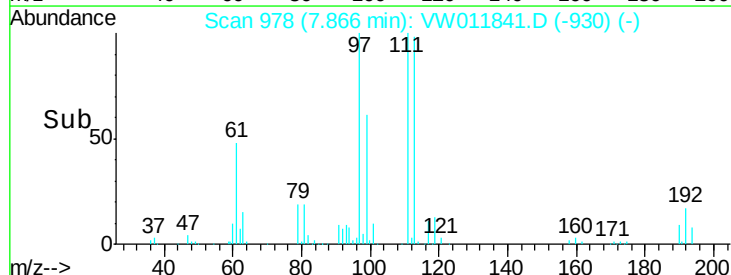
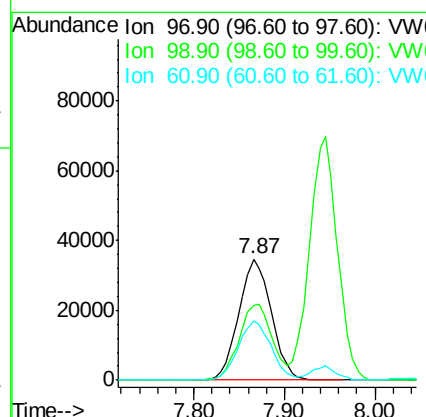
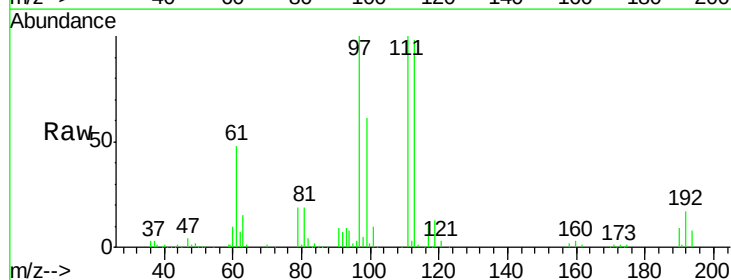
Manual Integrations
APPROVED

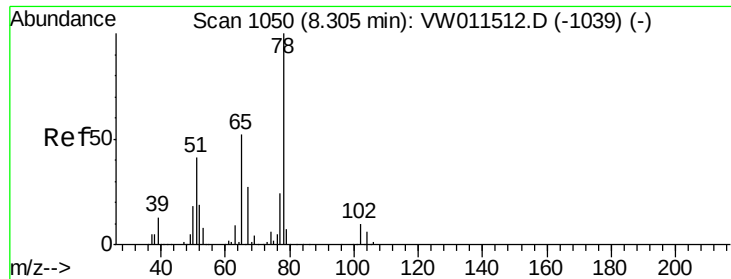
MMDadoda
8/13/2019 4:32:17 PM



#32
1,1,1-Trichloroethane
Concen: 22.167 ug/l
RT: 7.87 min Scan# 978
Delta R.T. -0.01 min
Lab File: VW011841.D
Acq: 12 Aug 2019 10:32

Tgt Ion	97	Resp	86355
Ion Ratio	Lower	Upper	
97	100		
99	63.8	51.0	76.6
61	49.4	39.8	59.6





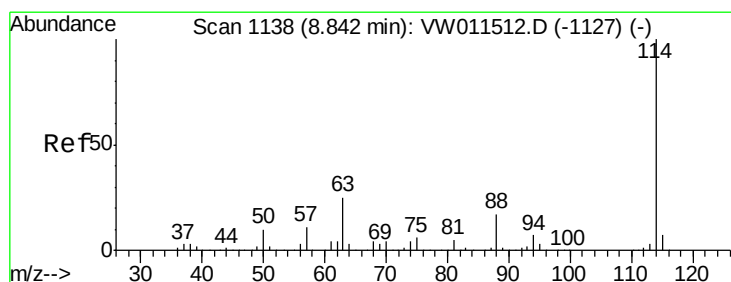
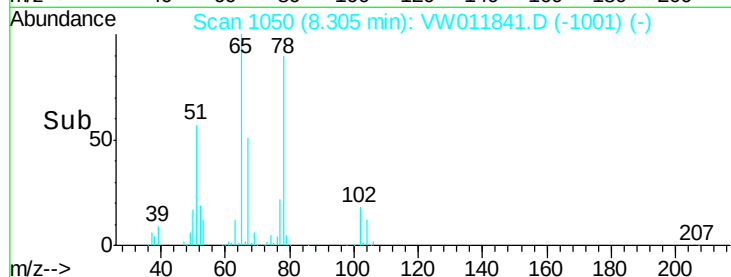
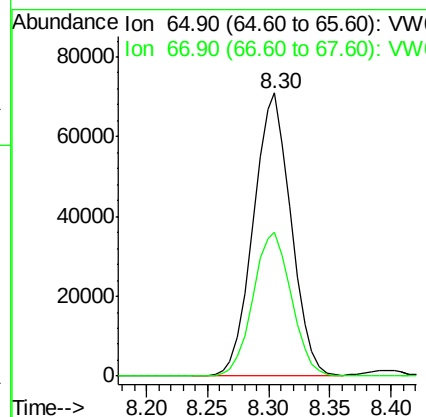
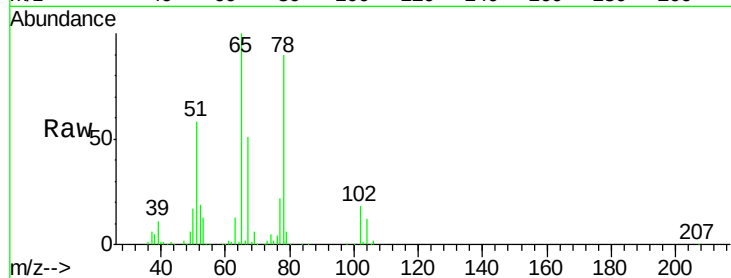
#33
 1,2-Dichloroethane-d4
 Concen: 53.370 ug/l
 RT: 8.30 min Scan# 1050
 Delta R.T. -0.00 min
 Lab File: VW011841.D
 Acq: 12 Aug 2019 10:32

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0812SBS02

Tot Ion	Ratio	Resp	Lower	Upper
65	100	151917		
67	51.7	0.0	105.2	

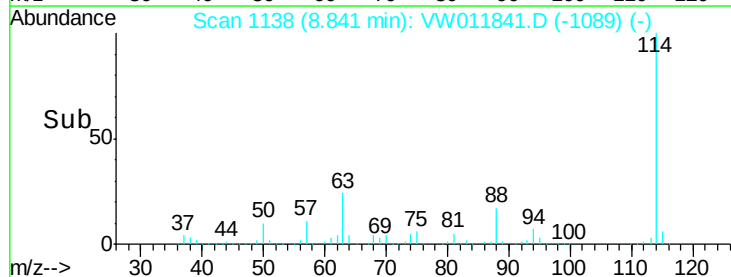
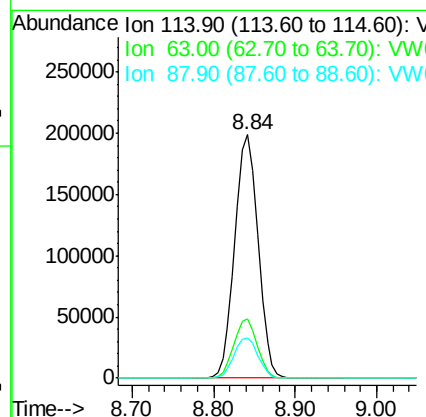
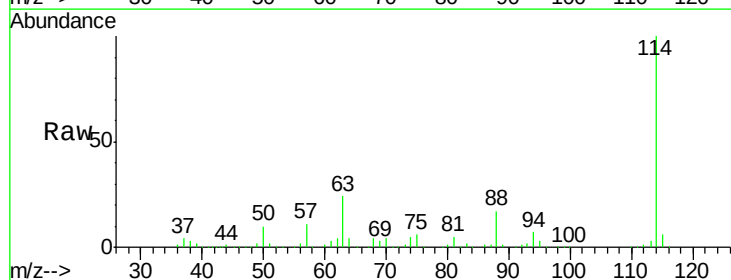
Manual Integrations
 APPROVED

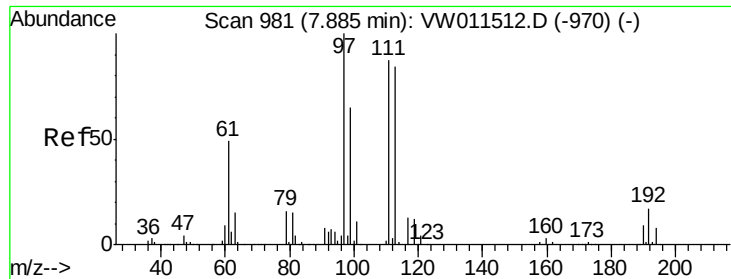
MMDadoda
 8/13/2019 4:32:17 PM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1138
 Delta R.T. -0.00 min
 Lab File: VW011841.D
 Acq: 12 Aug 2019 10:32

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	390303		
63	24.2	0.0	49.2	
88	16.6	0.0	33.8	





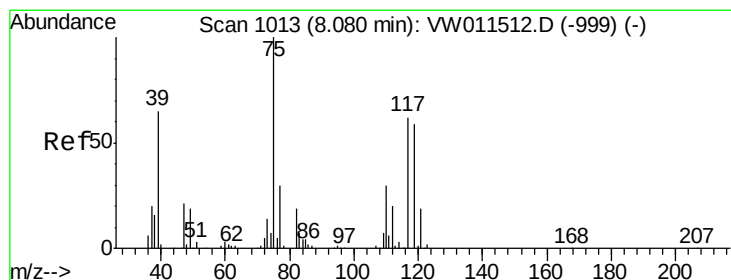
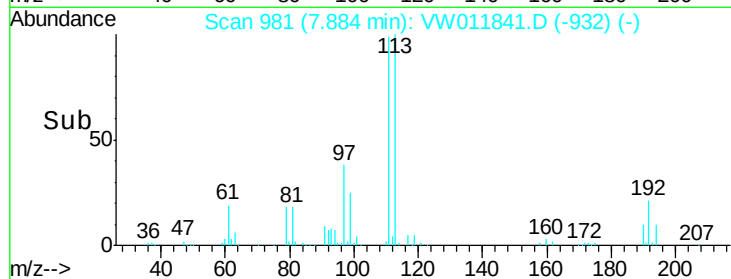
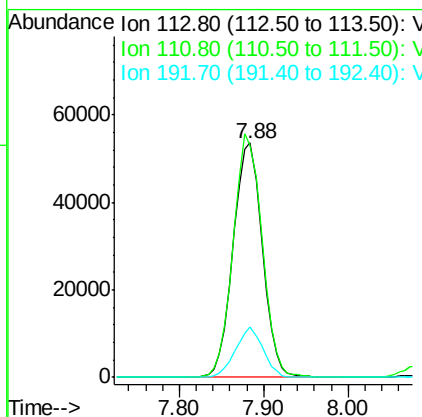
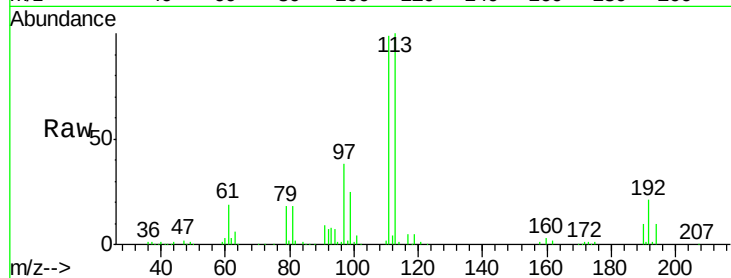
#35
 Dibromofluoromethane
 Concen: 57.403 ug/l
 RT: 7.88 min Scan# 981
 Delta R.T. -0.00 min
 Lab File: VW011841.D
 Acq: 12 Aug 2019 10:32

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0812SBS02

Tot Ion	Ratio	Resp	Lower	Upper
113	100	125694		
111	102.7	82.7	124.1	
192	20.1	16.1	24.1	

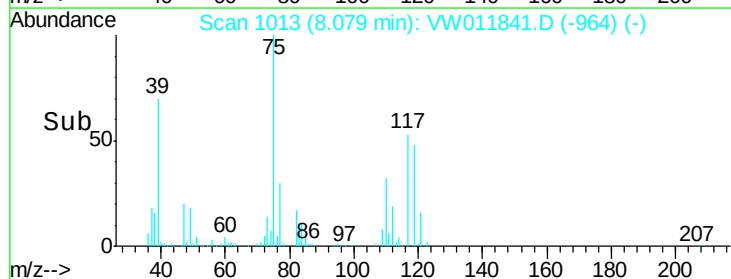
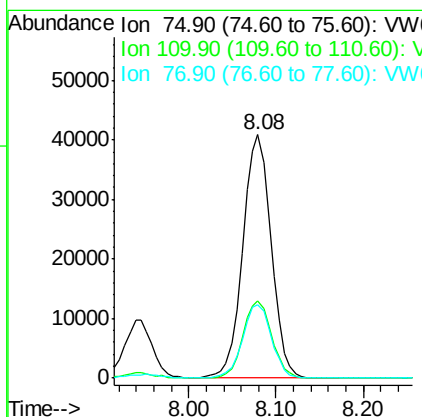
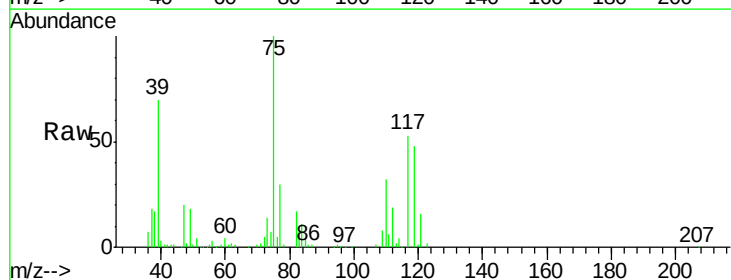
Manual Integrations
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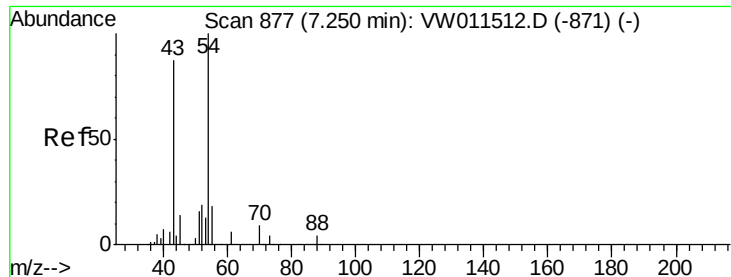
MMDadoda
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#36
 1,1-Dichloropropene
 Concen: 22.662 ug/l
 RT: 8.08 min Scan# 1013
 Delta R.T. -0.00 min
 Lab File: VW011841.D
 Acq: 12 Aug 2019 10:32

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	91971		
110	32.0	15.6	46.8	
77	31.0	24.3	36.5	





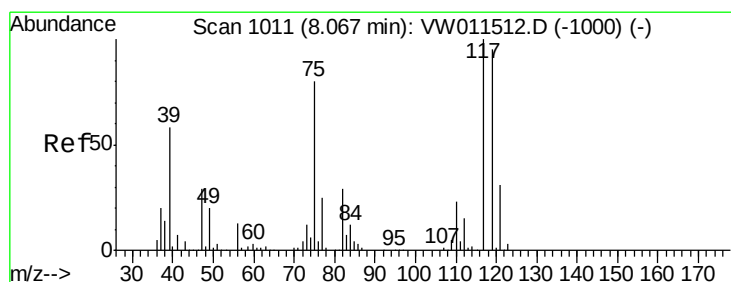
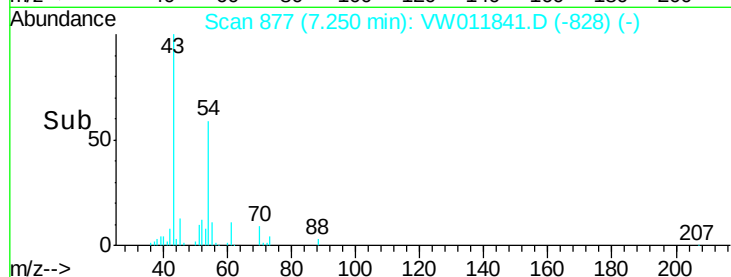
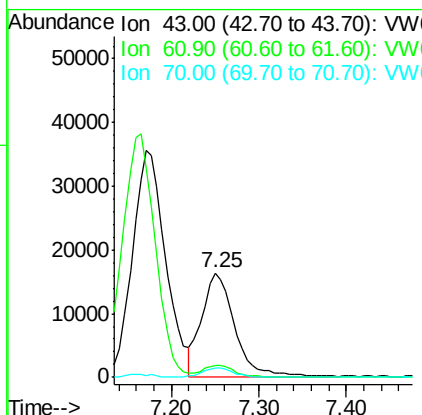
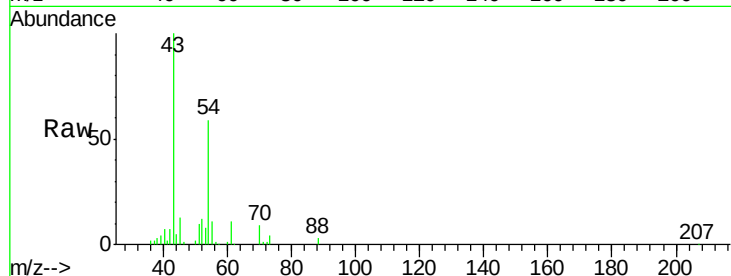
#37
Ethyl Acetate
Concen: 18.073 ug/l
RT: 7.25 min Scan# 877
Delta R.T. -0.00 min
Lab File: VW011841.D
Acq: 12 Aug 2019 10:32

Instrument :
MSVOA_W
ClientSampleId :
VW0812SBS02

Tot Ion	Ratio	Lower	Upper
43	100		
61	11.0	8.8	13.2
70	8.7	7.1	10.7

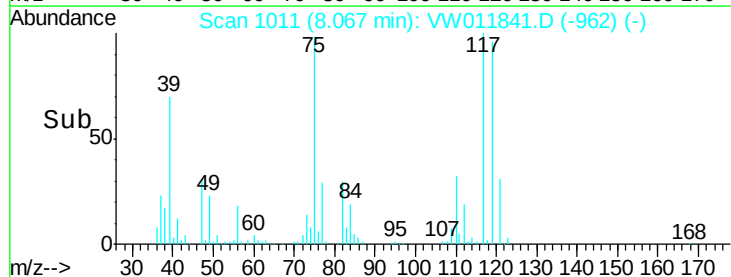
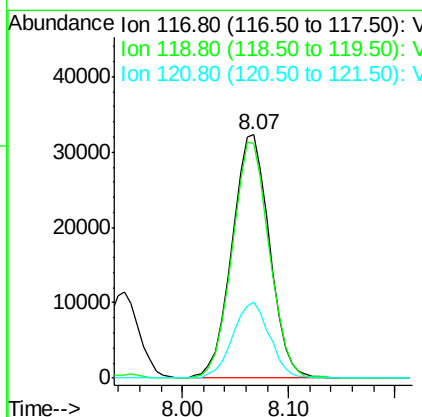
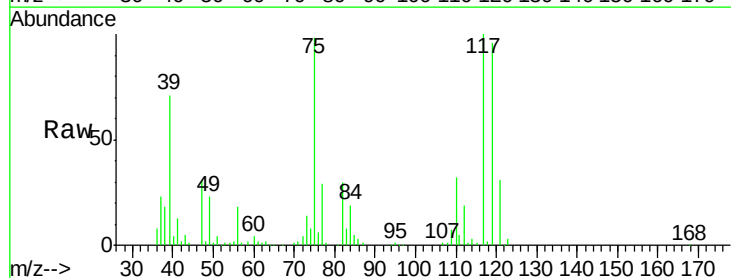
Manual Integrations
APPROVED

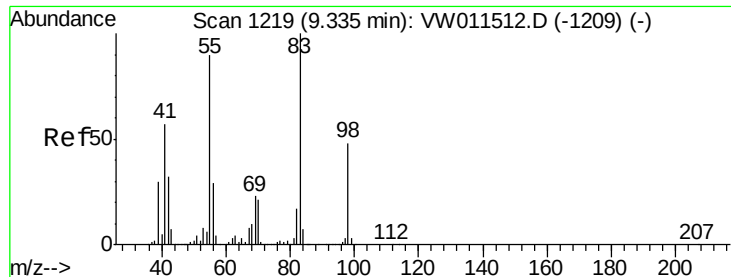
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#38
Carbon Tetrachloride
Concen: 22.976 ug/l
RT: 8.07 min Scan# 1011
Delta R.T. -0.00 min
Lab File: VW011841.D
Acq: 12 Aug 2019 10:32

Tgt Ion	Ratio	Lower	Upper
117	100		
119	96.2	75.8	113.6
121	31.2	24.7	37.1





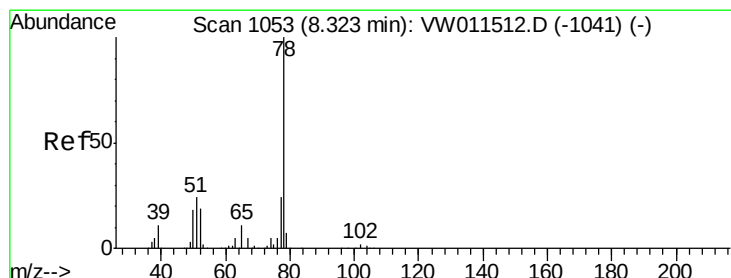
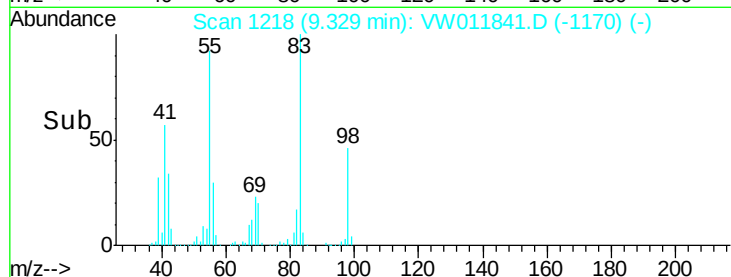
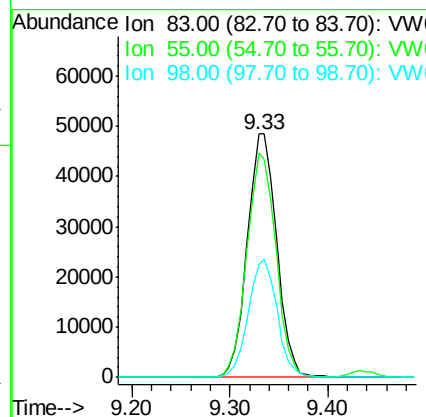
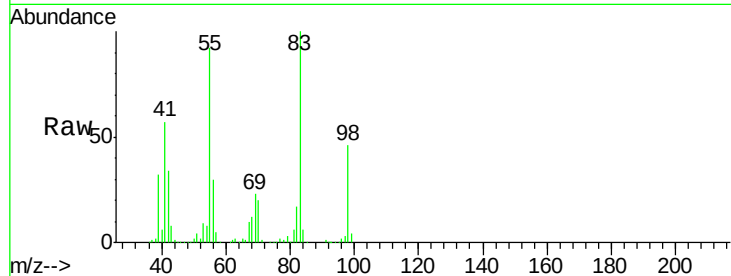
#39
Methylvlcyclohexane
Concen: 22.672 ug/l
RT: 9.33 min Scan# 1219
Delta R.T. -0.01 min
Lab File: VW011841.D
Acq: 12 Aug 2019 10:32

Instrument :
MSVOA_W
ClientSampleId :
VW0812SBS02

Tot Ion	Ratio	Lower	Upper
83	100		
55	92.3	72.1	108.1
98	46.5	38.6	57.8

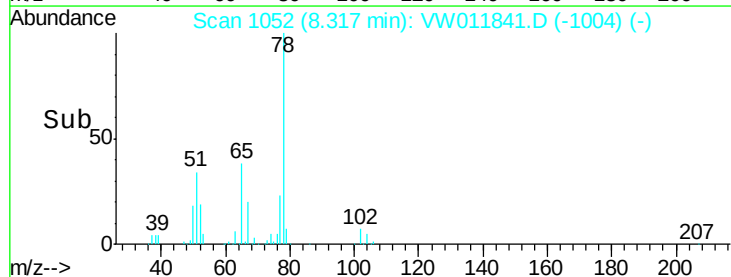
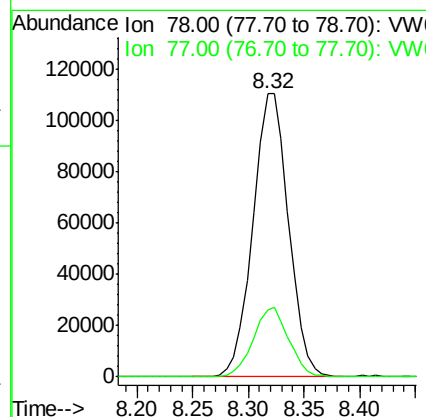
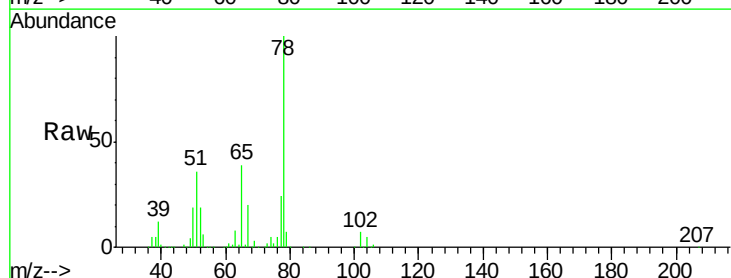
Manual Integrations
APPROVED

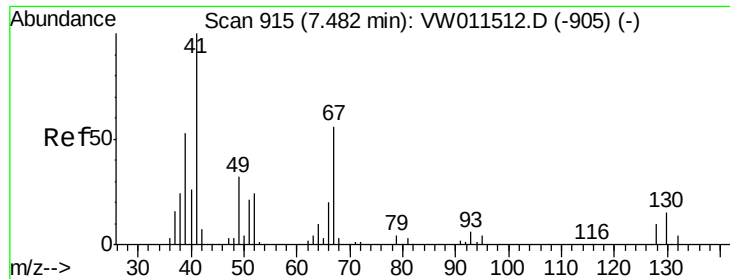
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#40
Benzene
Concen: 21.717 ug/l
RT: 8.32 min Scan# 1052
Delta R.T. -0.01 min
Lab File: VW011841.D
Acq: 12 Aug 2019 10:32

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.6	19.4	29.0





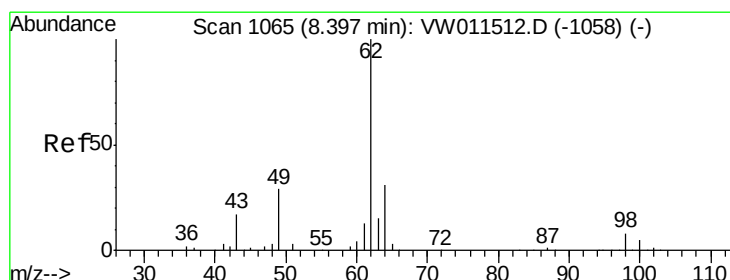
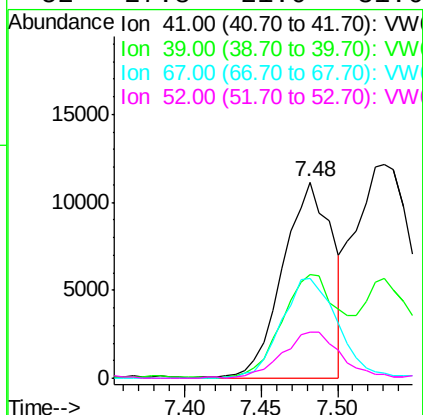
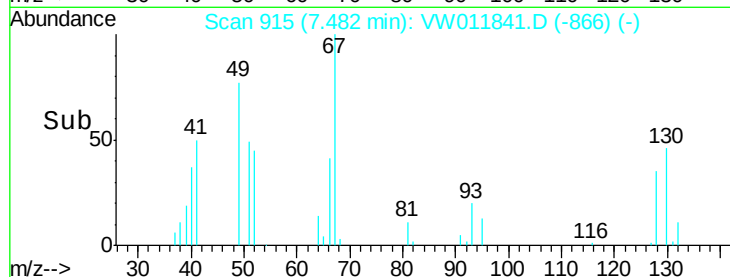
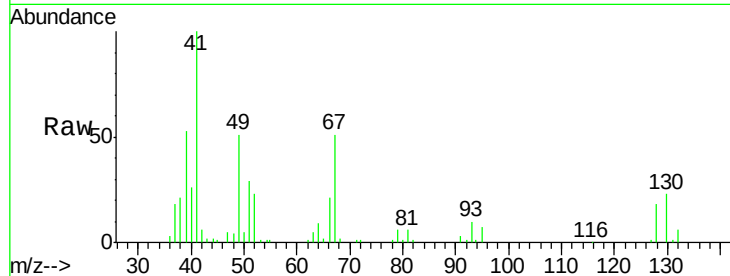
#41
Methacrylonitrile
Concen: 17.997 ug/l
RT: 7.48 min Scan# 915
Delta R.T. -0.00 min
Lab File: VW011841.D
Acq: 12 Aug 2019 10:32

Instrument :
MSVOA_W
ClientSampleId :
VW0812SBS02

Tot Ion	41	Resp	25119
Ion Ratio	Lower	Upper	
41	100		
39	59.8	43.0	64.4
67	59.1	47.5	71.3
52	27.8	21.0	31.6

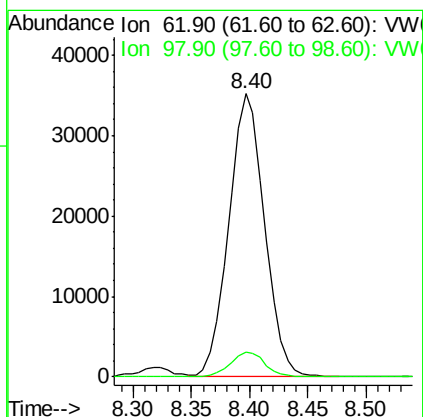
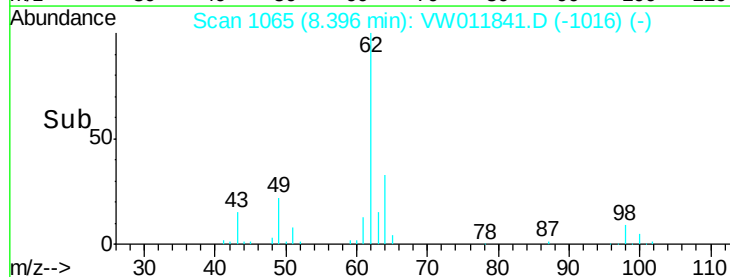
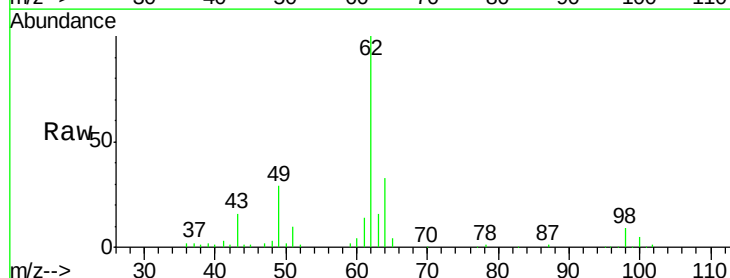
Manual Integrations
APPROVED

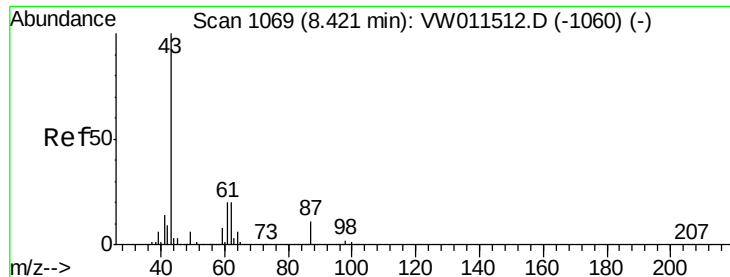
MMDadoda
8/13/2019 4:32:17 PM



#42
1,2-Dichloroethane
Concen: 21.143 ug/l
RT: 8.40 min Scan# 1065
Delta R.T. -0.00 min
Lab File: VW011841.D
Acq: 12 Aug 2019 10:32

Tgt Ion	62	Resp	75251
Ion Ratio	Lower	Upper	
62	100		
98	8.4	0.0	16.8





#43

Isopropyl Acetate

Concen: 18.642 ug/l

RT: 8.42 min Scan# 1069

Delta R.T. -0.00 min

Lab File: VW011841.D

Acq: 12 Aug 2019 10:32

Instrument :

MSVOA_W

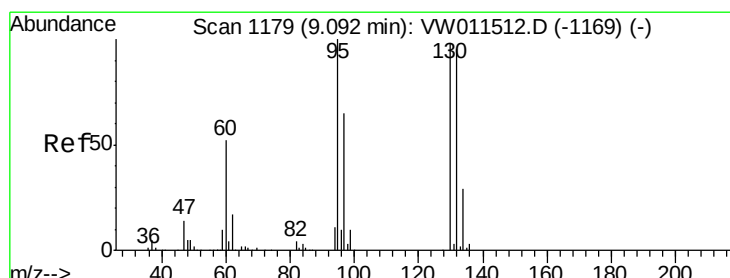
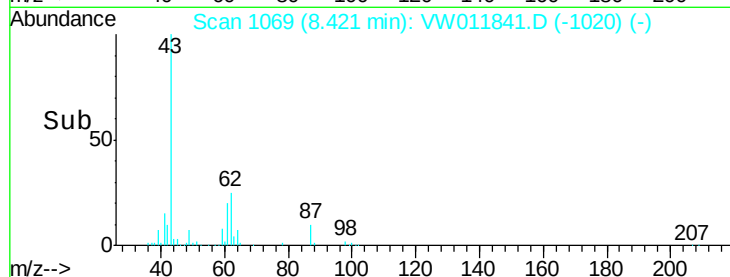
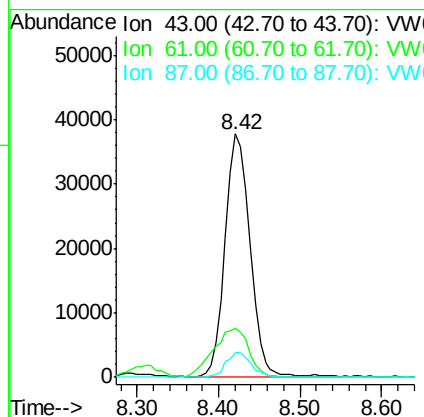
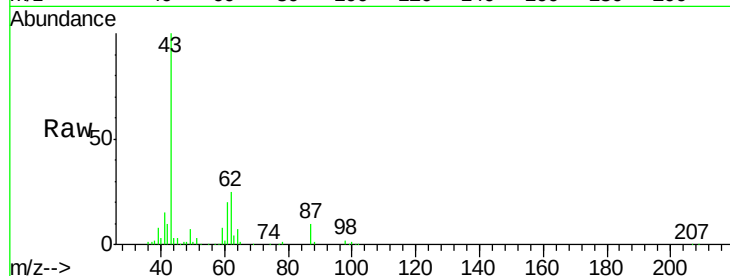
ClientSampleId :

VW0812SBS02

Tot Ion:	43	Resp:	80052
Ion	Ratio	Lower	Upper
43	100		
61	28.6	21.5	32.3
87	10.2	8.4	12.6

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#44

Trichloroethene

Concen: 22.303 ug/l

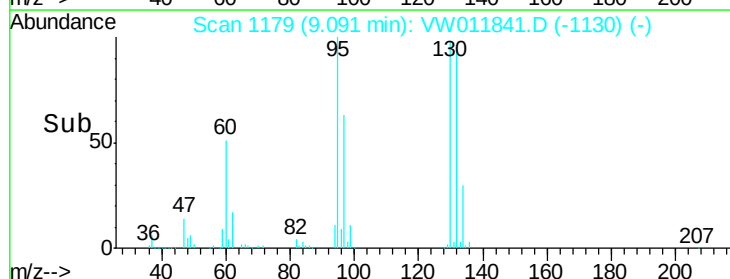
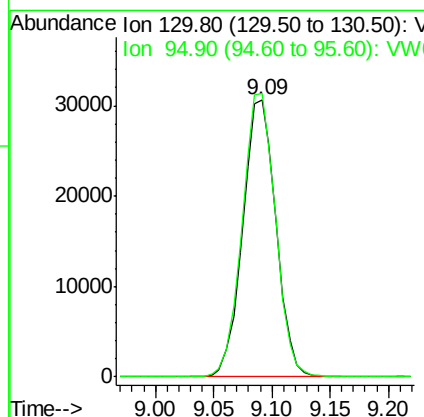
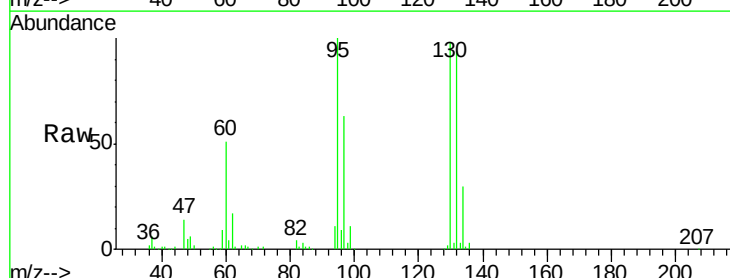
RT: 9.09 min Scan# 1179

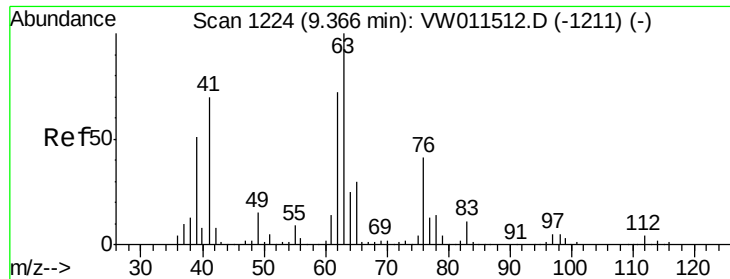
Delta R.T. -0.00 min

Lab File: VW011841.D

Acq: 12 Aug 2019 10:32

Tgt Ion:	130	Resp:	60938
Ion	Ratio	Lower	Upper
130	100		
95	102.2	0.0	204.8





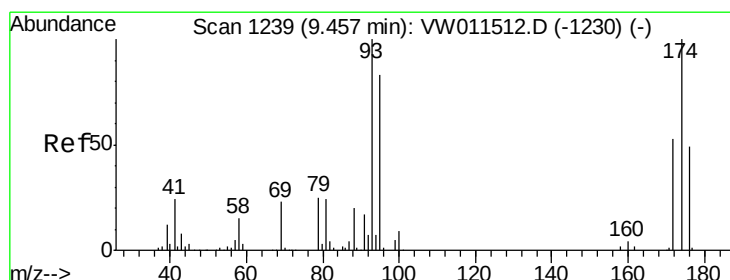
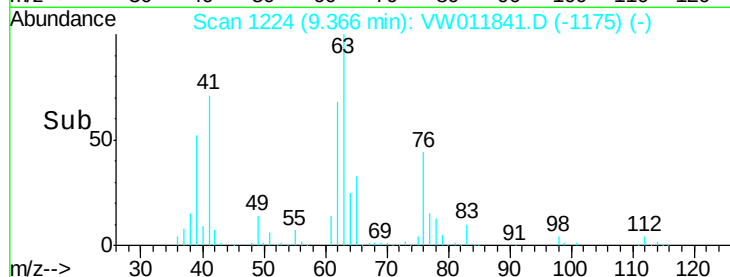
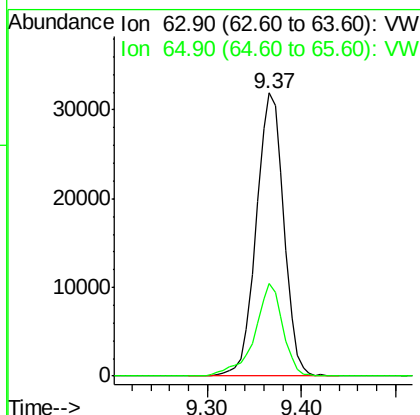
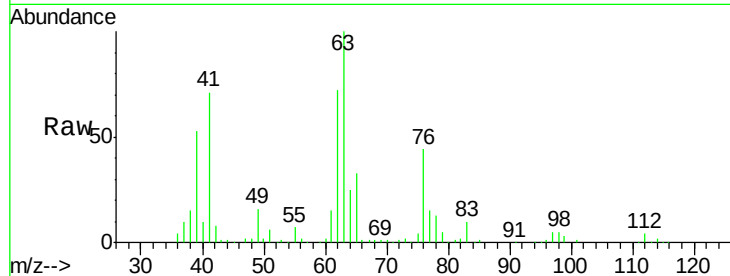
#45
 1,2-Dichloropropane
 Concen: 21.437 ug/l
 RT: 9.37 min Scan# 1224
 Delta R.T. -0.00 min
 Lab File: VW011841.D
 Acq: 12 Aug 2019 10:32

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0812SBS02

Tot Ion: 63 Resp: 65204
 Ion Ratio Lower Upper
 63 100
 65 32.6 24.2 36.4

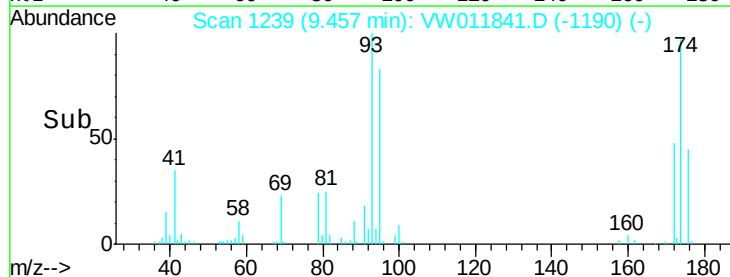
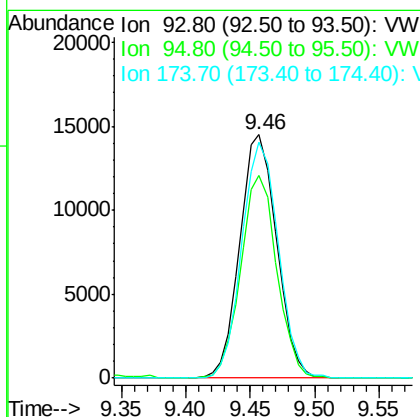
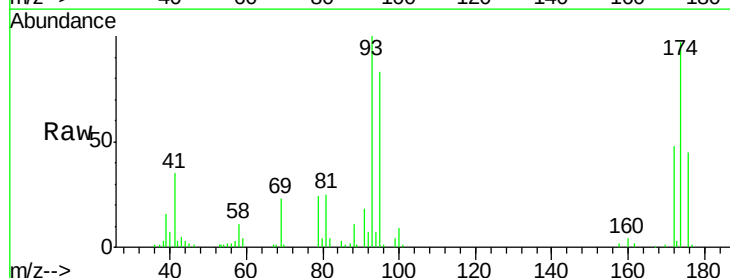
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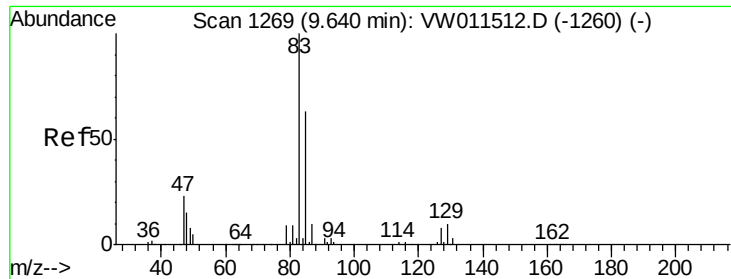
MMDadoda
 8/13/2019 4:32:17 PM



#46
 Dibromomethane
 Concen: 20.742 ug/l
 RT: 9.46 min Scan# 1239
 Delta R.T. -0.00 min
 Lab File: VW011841.D
 Acq: 12 Aug 2019 10:32

Tgt Ion: 93 Resp: 28796
 Ion Ratio Lower Upper
 93 100
 95 81.5 66.2 99.2
 174 95.9 78.2 117.4





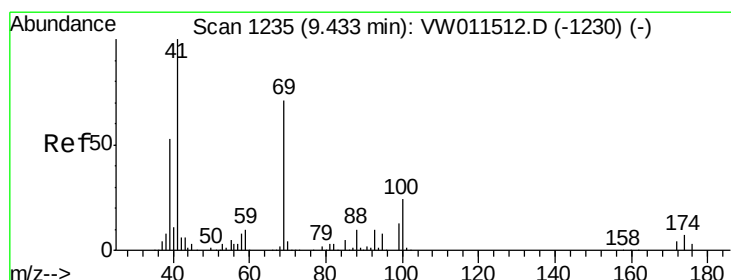
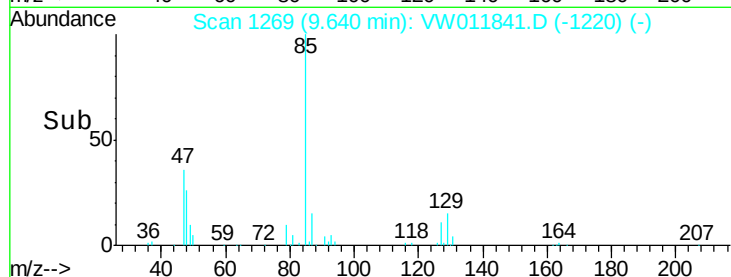
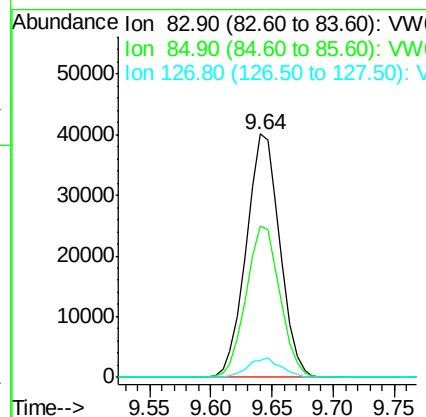
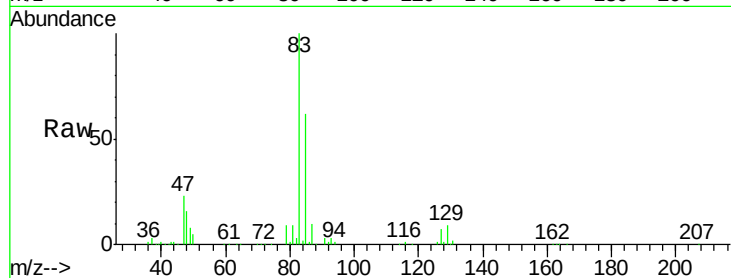
#47
Bromodichloromethane
Concen: 20.992 ug/l
RT: 9.64 min Scan# 1269
Delta R.T. -0.00 min
Lab File: VW011841.D
Acq: 12 Aug 2019 10:32

Instrument :
MSVOA_W
ClientSampleId :
VW0812SBS02

Tot Ion	Ratio	Lower	Upper
83	100		
85	62.4	50.5	75.7
127	6.8	6.4	9.6

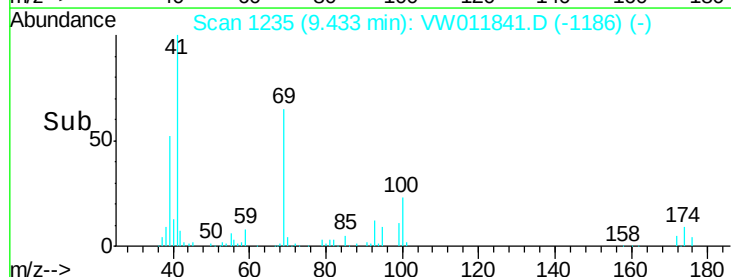
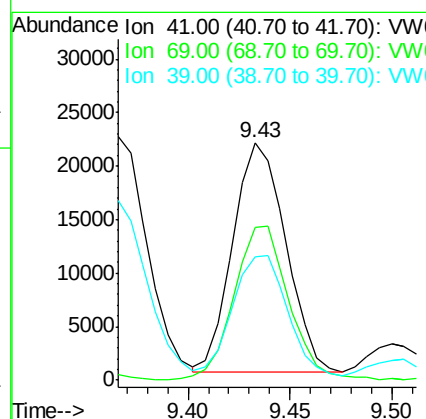
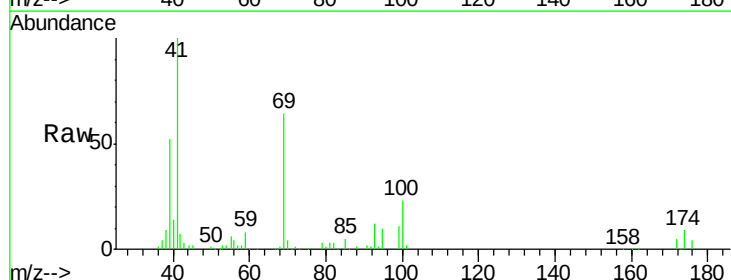
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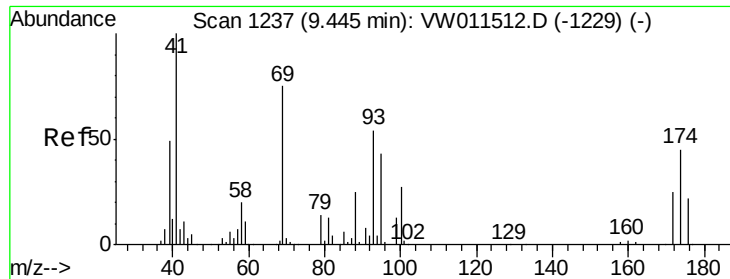
MMDadoda
8/13/2019 4:32:17 PM



#48
Methyl methacrylate
Concen: 18.674 ug/l
RT: 9.43 min Scan# 1235
Delta R.T. -0.00 min
Lab File: VW011841.D
Acq: 12 Aug 2019 10:32

Tgt Ion	Ratio	Lower	Upper
41	100		
69	70.5	57.1	85.7
39	53.8	45.4	68.2





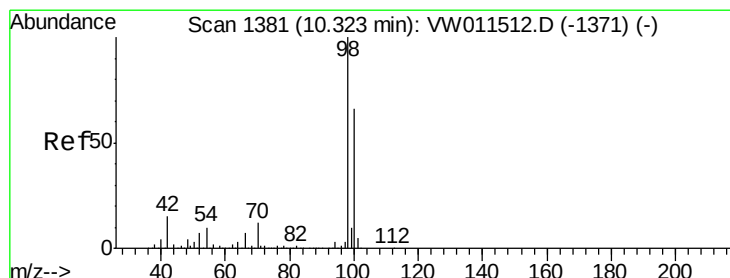
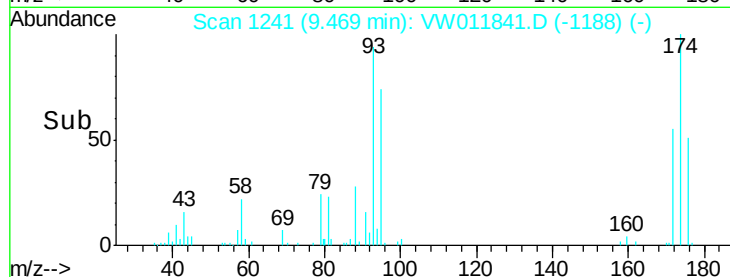
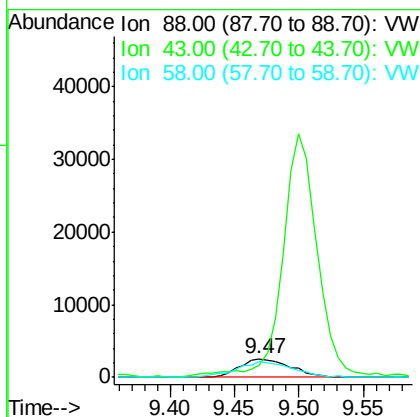
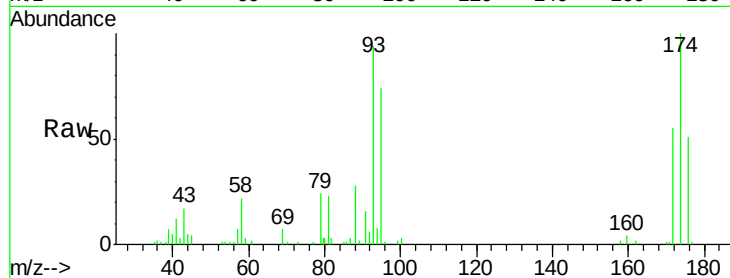
#49
1,4-Dioxane
Concen: 352.314 ug/l
RT: 9.47 min Scan# 1241
Delta R.T. 0.02 min
Lab File: VW011841.D
Acq: 12 Aug 2019 10:32

Instrument :
MSVOA_W
ClientSampleId :
VW0812SBS02

Tot Ion: 88 Resp: 7082
Ion Ratio Lower Upper
88 100
43 0.0 34.0 51.0#
58 93.4 69.7 104.5

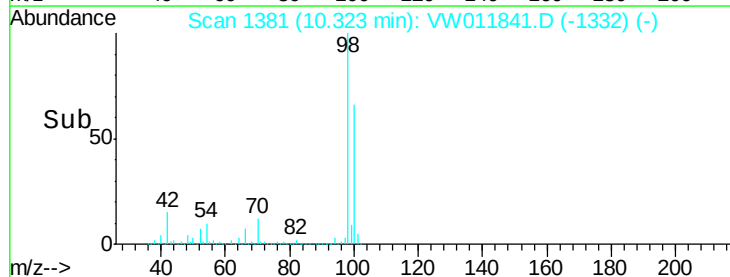
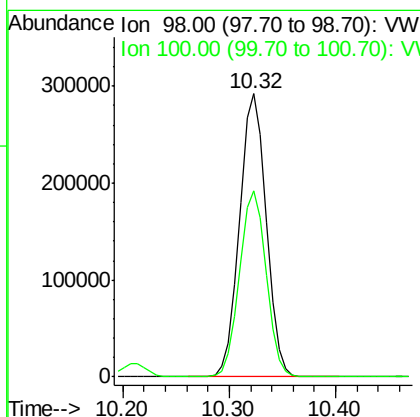
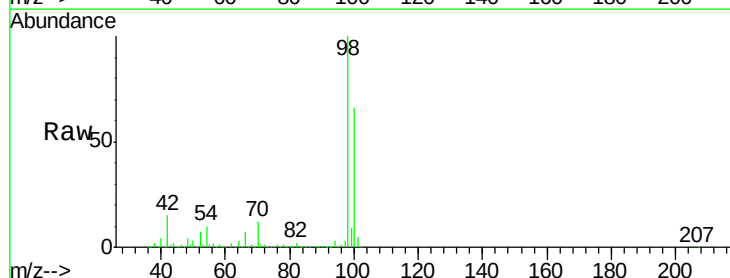
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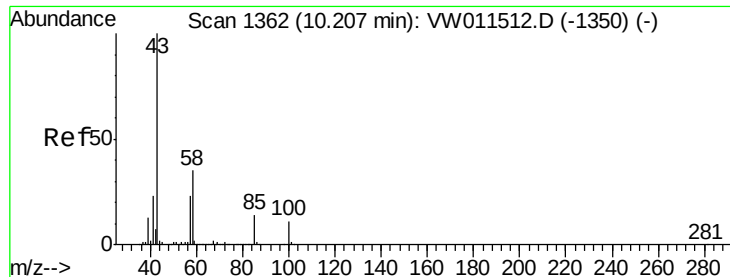
MMDadoda
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#50
Toluene-d8
Concen: 57.590 ug/l
RT: 10.32 min Scan# 1381
Delta R.T. -0.00 min
Lab File: VW011841.D
Acq: 12 Aug 2019 10:32

Tgt Ion: 98 Resp: 516302
Ion Ratio Lower Upper
98 100
100 65.7 52.7 79.1





#51

4-Methyl-2-Pentanone

Concen: 91.251 ug/l

RT: 10.21 min Scan# 1362

Delta R.T. -0.00 min

Lab File: VW011841.D

Acq: 12 Aug 2019 10:32

Instrument :

MSVOA_W

ClientSampled :

VW0812SBS02

Tot Ion: 43 Resp: 203816

Ion Ratio Lower Upper

43 100

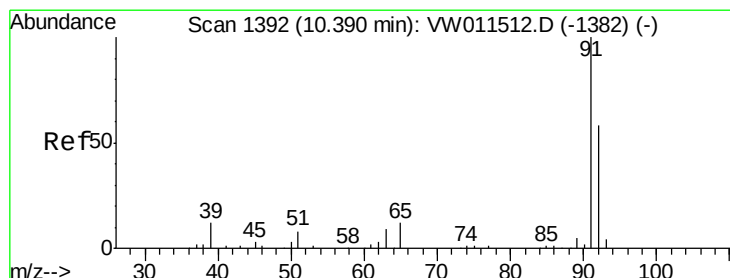
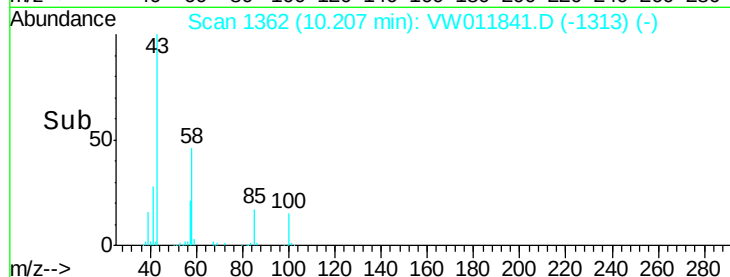
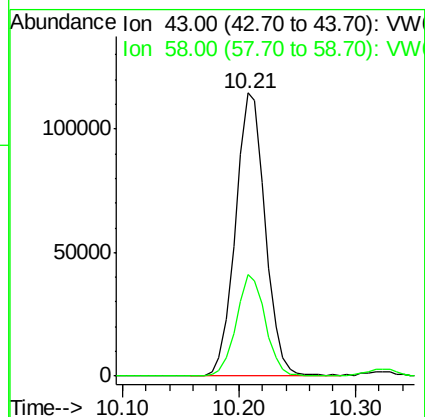
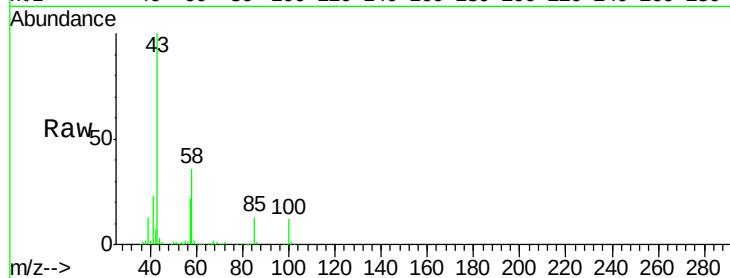
58 35.1 28.2 42.2

Manual Integrations

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#52

Toluene

Concen: 21.716 ug/l

RT: 10.38 min Scan# 1391

Delta R.T. -0.01 min

Lab File: VW011841.D

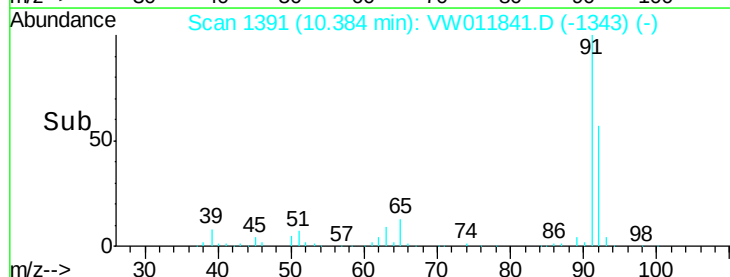
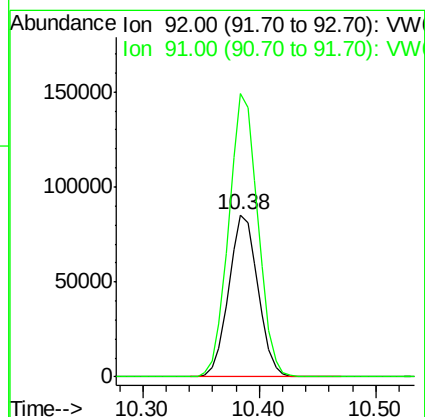
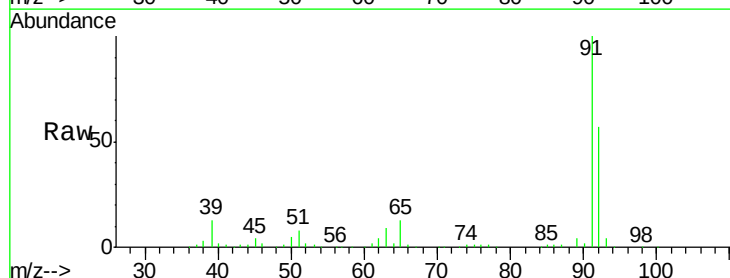
Acq: 12 Aug 2019 10:32

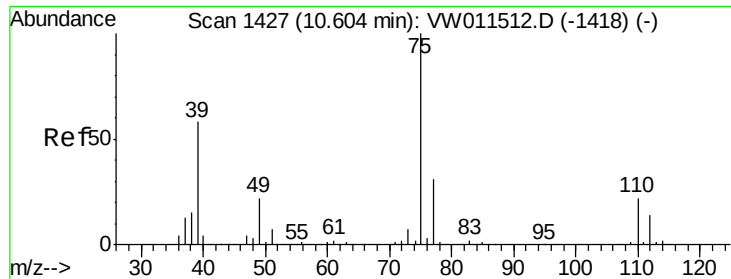
Tgt Ion: 92 Resp: 149083

Ion Ratio Lower Upper

92 100

91 173.6 136.7 205.1





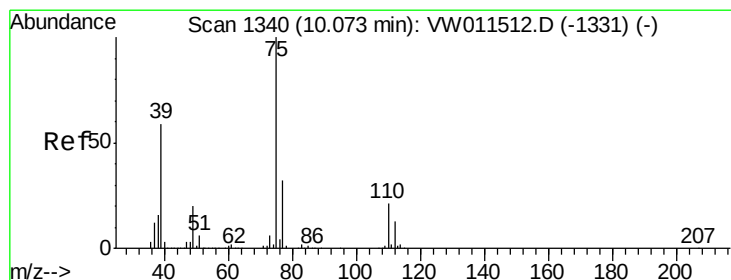
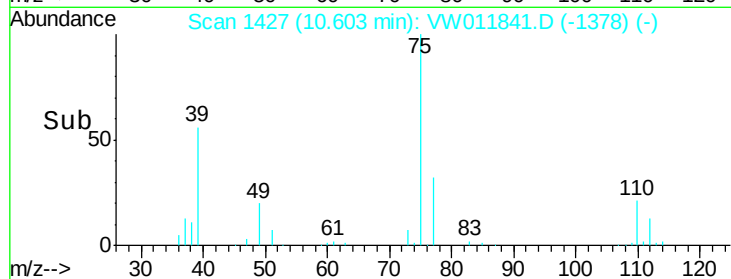
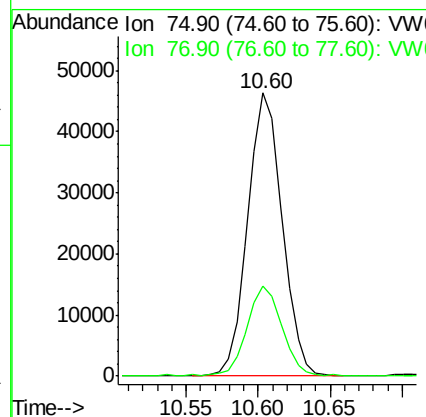
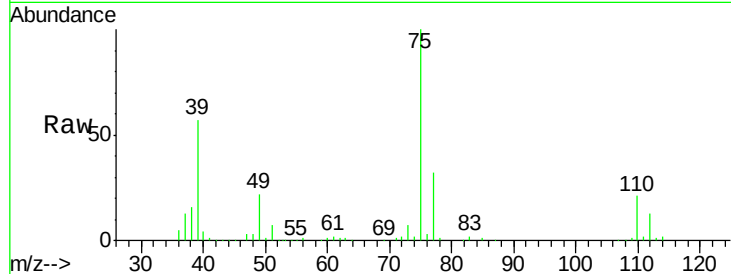
#53
 t-1,3-Dichloropropene
 Concen: 20.177 ug/l
 RT: 10.60 min Scan# 1427
 Delta R.T. -0.00 min
 Lab File: VW011841.D
 Acq: 12 Aug 2019 10:32

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0812SBS02

Tot Ion: 75 Resp: 76754
 Ion Ratio Lower Upper
 75 100
 77 31.6 25.0 37.4

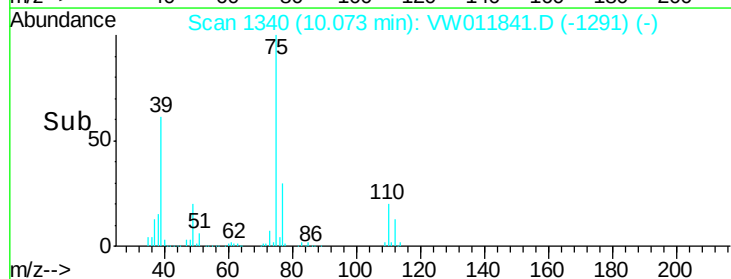
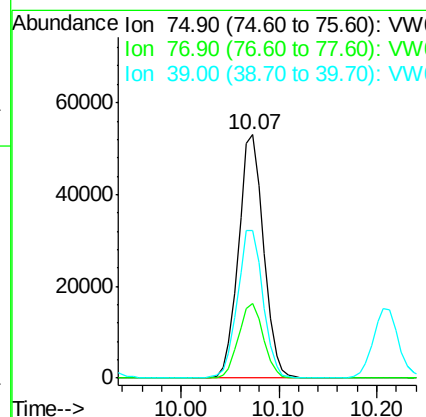
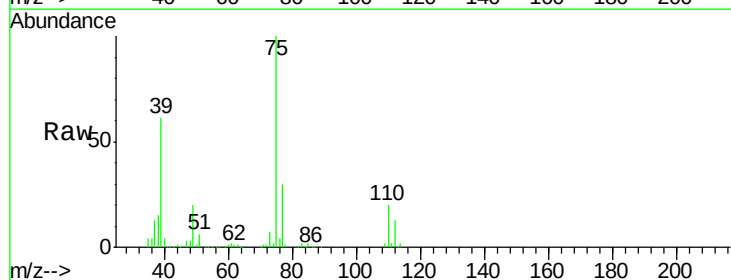
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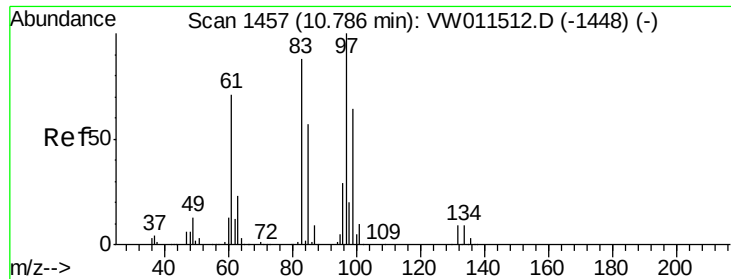
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#54
 cis-1,3-Dichloropropene
 Concen: 20.881 ug/l
 RT: 10.07 min Scan# 1340
 Delta R.T. -0.00 min
 Lab File: VW011841.D
 Acq: 12 Aug 2019 10:32

Tgt Ion: 75 Resp: 94444
 Ion Ratio Lower Upper
 75 100
 77 30.5 25.6 38.4
 39 60.8 47.0 70.4





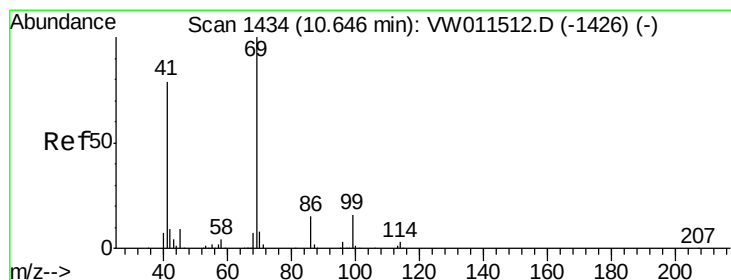
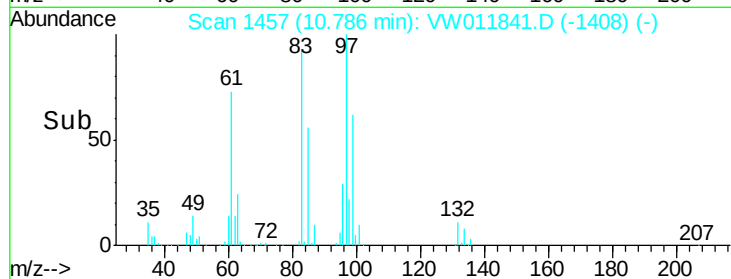
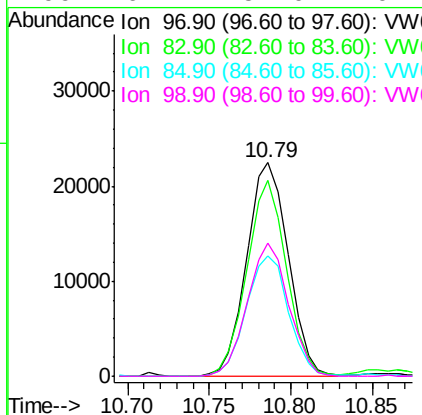
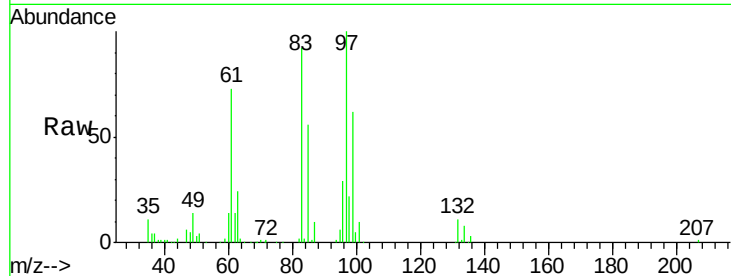
#55
 1,1,2-Trichloroethane
 Concen: 20.248 ug/l
 RT: 10.79 min Scan# 1457
 Delta R.T. -0.00 min
 Lab File: VW011841.D
 Acq: 12 Aug 2019 10:32

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0812SBS02

Tot Ion	97	Resp:	39883
Ion	Ratio	Lower	Upper
97	100		
83	91.9	70.5	105.7
85	56.2	45.8	68.6
99	62.2	51.0	76.4

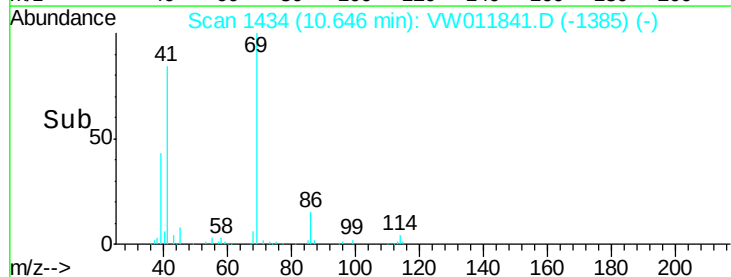
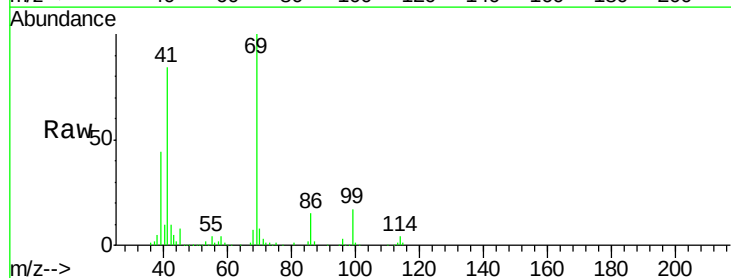
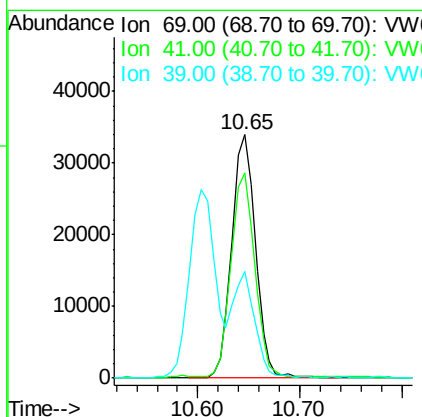
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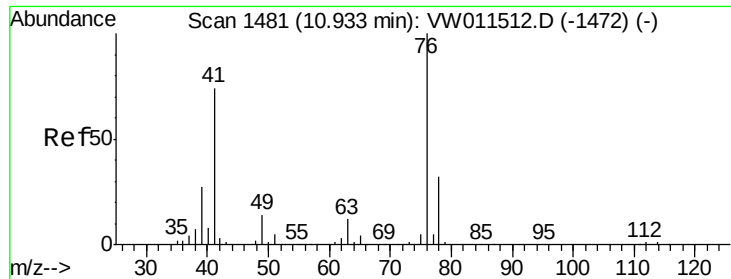
MMDadoda
 8/13/2019 4:32:17 PM



#56
 Ethyl methacrylate
 Concen: 19.008 ug/l
 RT: 10.65 min Scan# 1434
 Delta R.T. -0.00 min
 Lab File: VW011841.D
 Acq: 12 Aug 2019 10:32

Tgt Ion	69	Resp:	54789
Ion	Ratio	Lower	Upper
69	100		
41	83.2	66.6	99.8
39	39.1	30.3	45.5





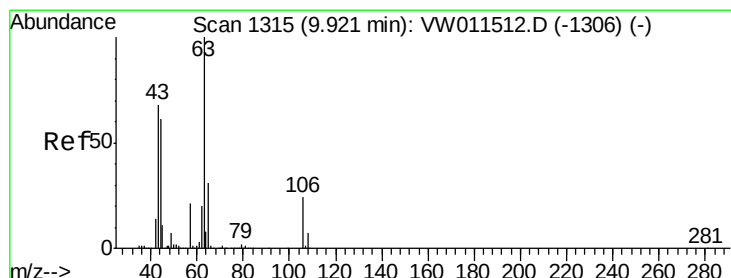
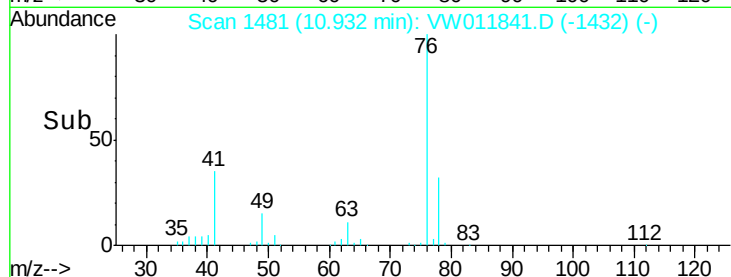
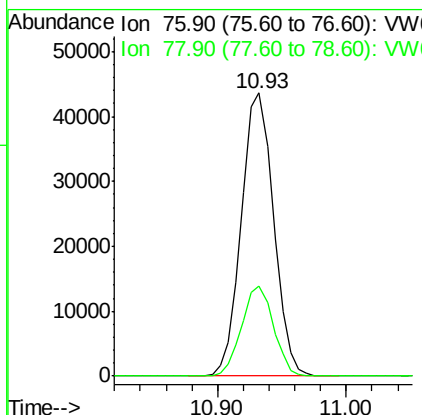
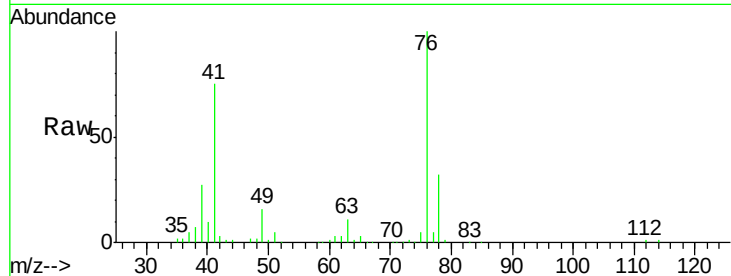
#57
 1,3-Dichloropropane
 Concen: 20.323 ug/l
 RT: 10.93 min Scan# 1481
 Delta R.T. -0.00 min
 Lab File: VW011841.D
 Acq: 12 Aug 2019 10:32

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0812SBS02

Tot Ion: 76 Resp: 75737
 Ion Ratio Lower Upper
 76 100
 78 31.7 25.2 37.8

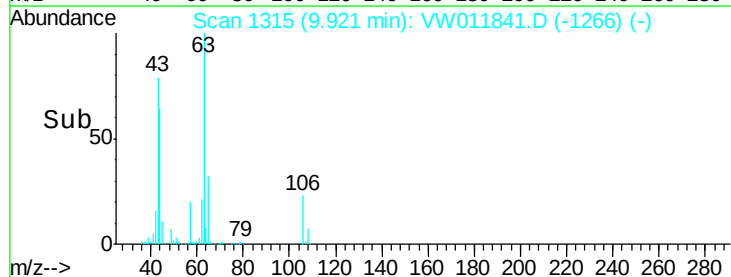
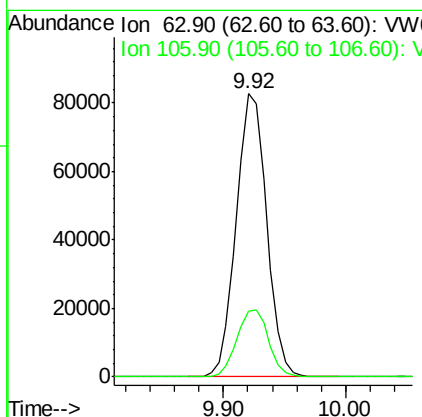
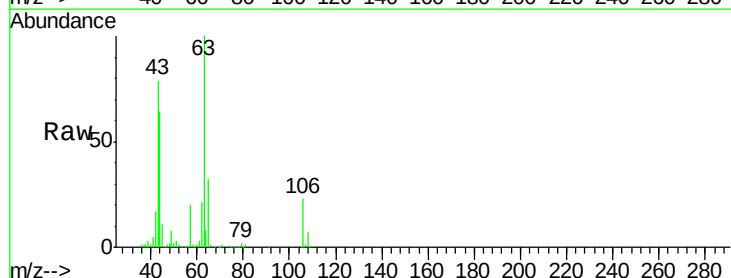
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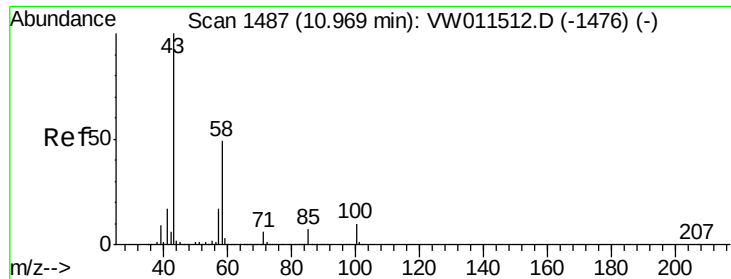
MMDadoda
 8/13/2019 4:32:17 PM



#58
 2-Chloroethyl Vinyl ether
 Concen: 109.153 ug/l
 RT: 9.92 min Scan# 1315
 Delta R.T. -0.00 min
 Lab File: VW011841.D
 Acq: 12 Aug 2019 10:32

Tgt Ion: 63 Resp: 142851
 Ion Ratio Lower Upper
 63 100
 106 24.5 19.7 29.5





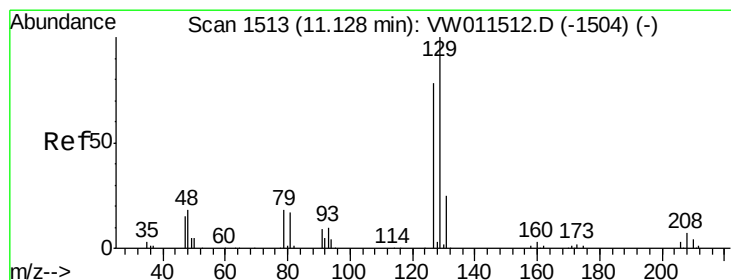
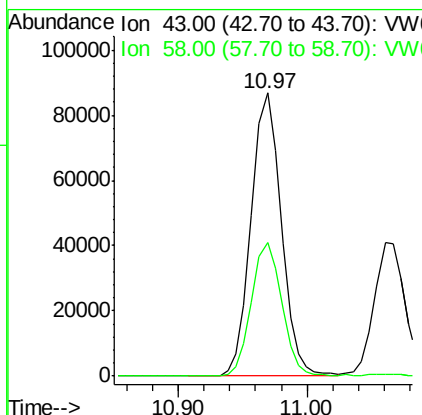
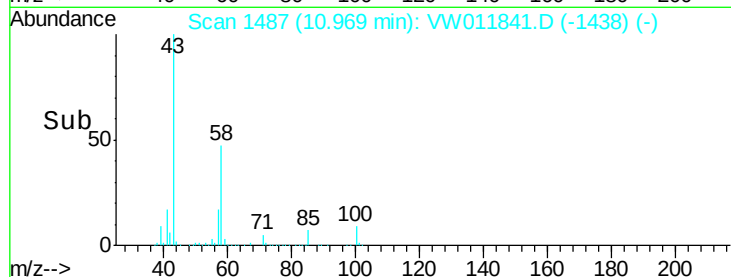
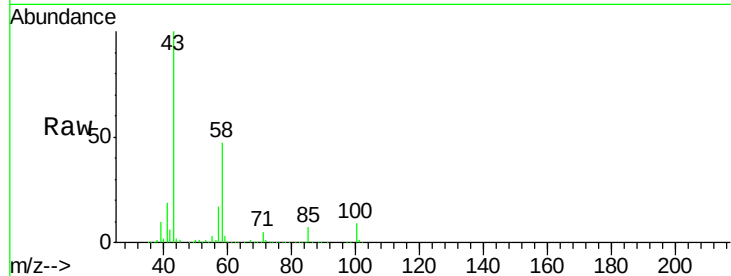
#59
2-Hexanone
Concen: 89.527 ug/l
RT: 10.97 min Scan# 1487
Delta R.T. -0.00 min
Lab File: VW011841.D
Acq: 12 Aug 2019 10:32

Instrument :
MSVOA_W
ClientSampleId :
VW0812SBS02

Tot Ion	Ratio	Lower	Upper
43	100		
58	47.4	24.3	72.9

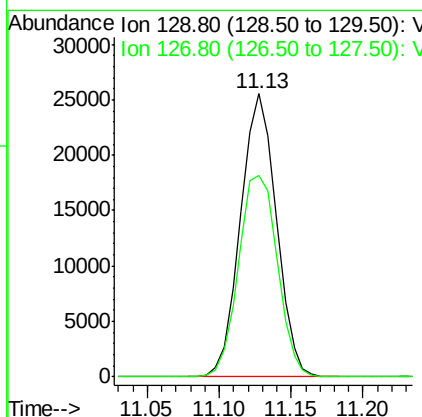
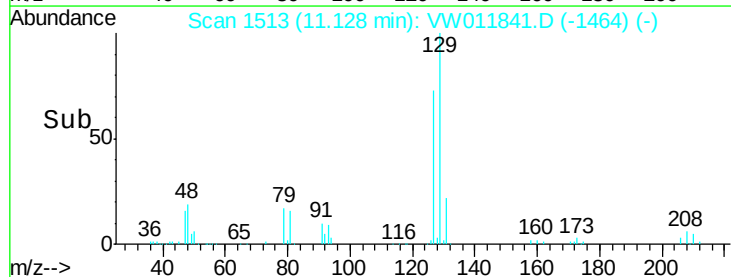
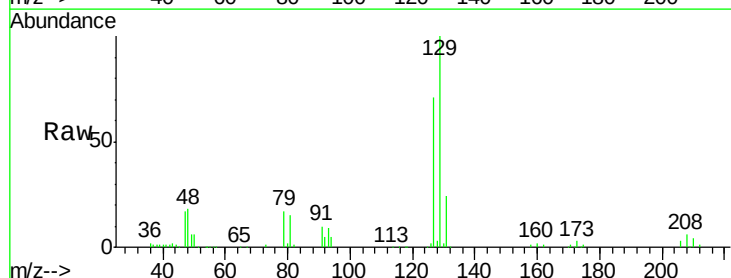
Manual Integrations
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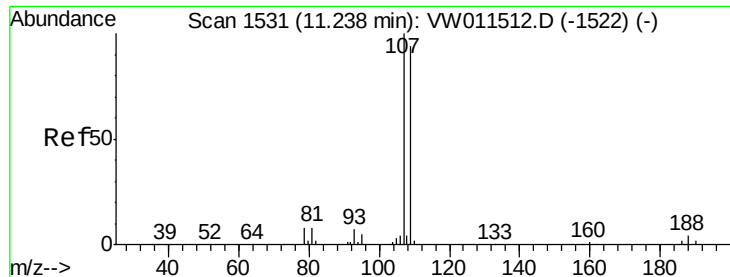
MMDadoda
8/13/2019 4:32:17 PM



#60
Dibromochloromethane
Concen: 20.203 ug/l
RT: 11.13 min Scan# 1513
Delta R.T. -0.00 min
Lab File: VW011841.D
Acq: 12 Aug 2019 10:32

Tgt Ion	Ratio	Lower	Upper
129	100		
127	76.9	38.9	116.7





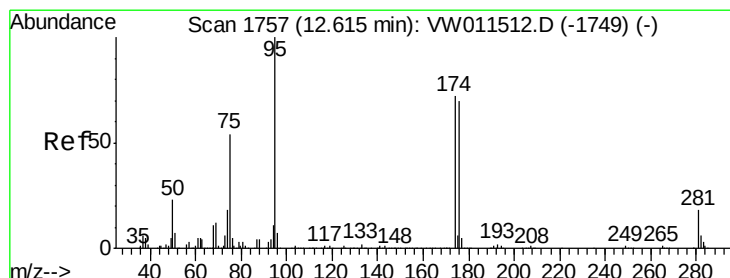
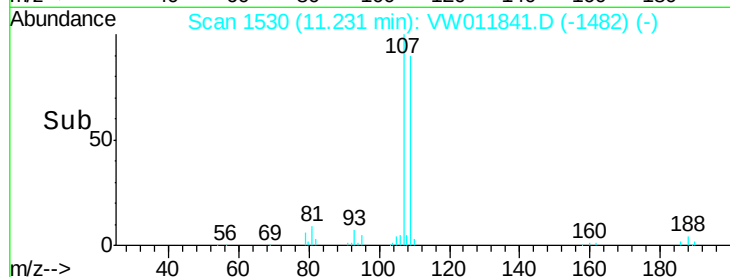
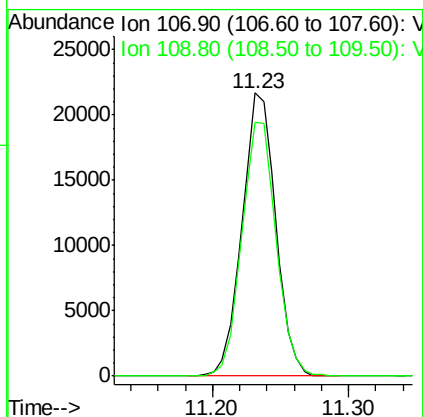
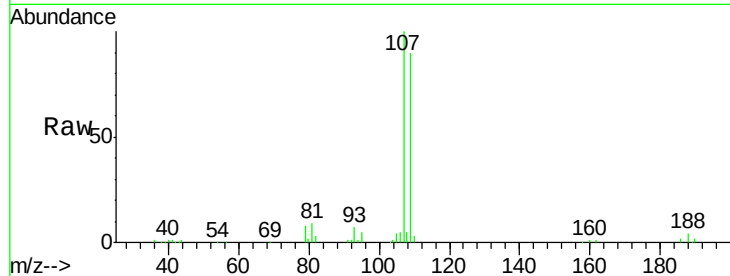
#61
 1,2-Dibromoethane
 Concen: 20.108 ug/l
 RT: 11.23 min Scan# 1530
 Delta R.T. -0.01 min
 Lab File: VW011841.D
 Acq: 12 Aug 2019 10:32

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0812SBS02

Tot Ion	Ratio	Lower	Upper
107	100		
109	91.7	75.0	112.6

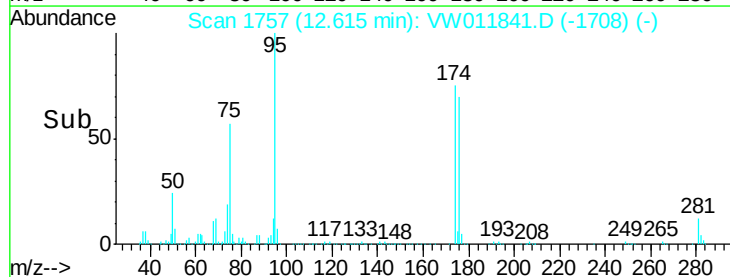
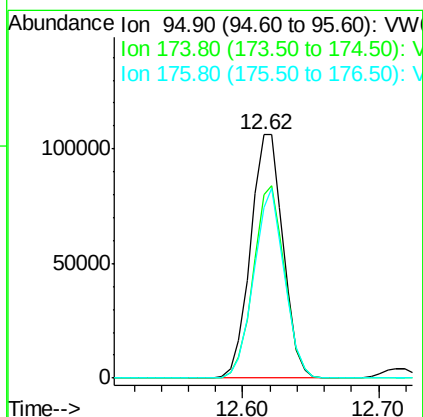
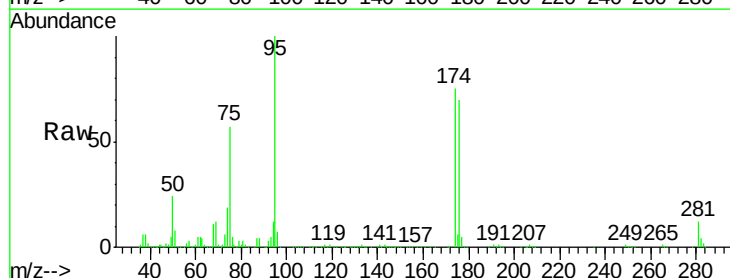
Manual Integrations
 APPROVED

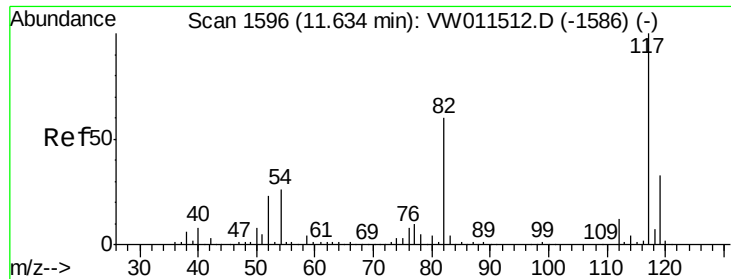
MMDadoda
 8/13/2019 4:32:17 PM



#62
 4-Bromofluorobenzene
 Concen: 55.718 ug/l
 RT: 12.62 min Scan# 1757
 Delta R.T. -0.00 min
 Lab File: VW011841.D
 Acq: 12 Aug 2019 10:32

Tgt Ion	Ratio	Lower	Upper
95	100		
174	75.8	0.0	150.2
176	73.3	0.0	144.4





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.63 min Scan# 1595

Delta R.T. -0.01 min

Lab File: VW011841.D

Acq: 12 Aug 2019 10:32

Instrument :

MSVOA_W

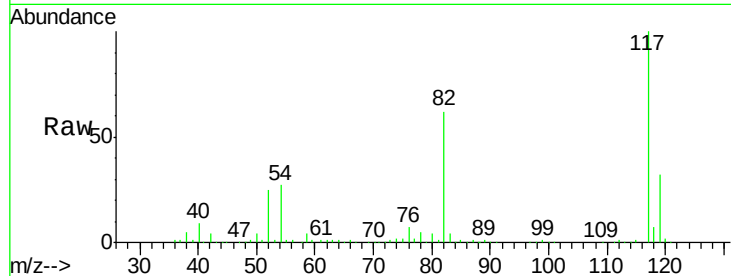
ClientSampleId :

VW0812SBS02

Tot Ion:	117	Resp:	335343
Ion Ratio	Lower	Upper	
117	100		
82	61.8	47.9	71.9
119	32.1	26.2	39.2

Manual Integrations
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MMDadoda
8/13/2019 4:32:17 PM

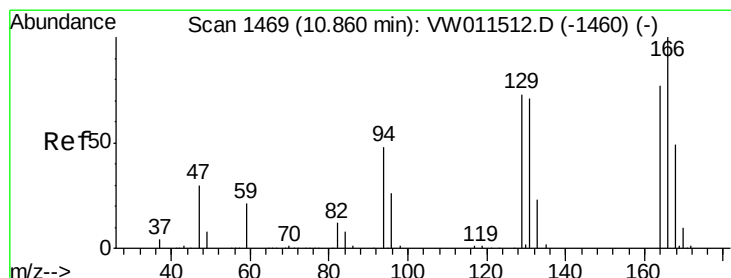
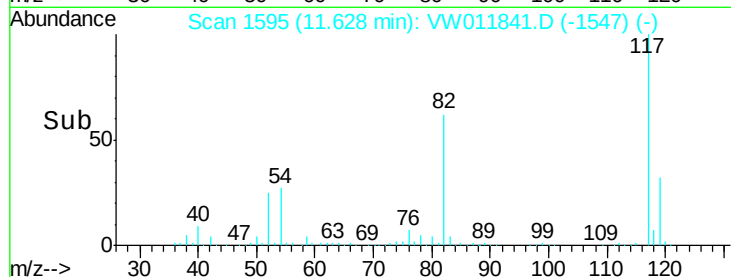
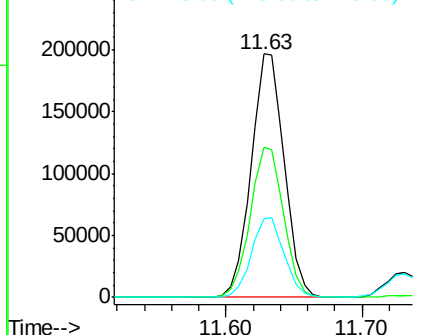


Abundance

Ion 116.90 (116.60 to 117.60): V

Ion 82.00 (81.70 to 82.70): V

Ion 118.90 (118.60 to 119.60): V



#64

Tetrachloroethene

Concen: 22.834 ug/l

RT: 10.86 min Scan# 1469

Delta R.T. -0.00 min

Lab File: VW011841.D

Acq: 12 Aug 2019 10:32

Tgt Ion:	164	Resp:	49857
Ion Ratio	Lower	Upper	
164	100		
166	128.9	103.5	155.3
129	94.0	75.2	112.8
131	90.8	73.4	110.2

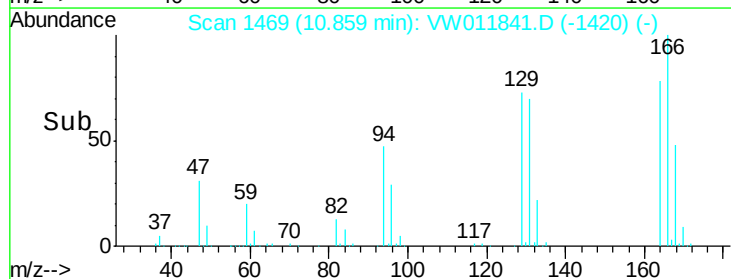
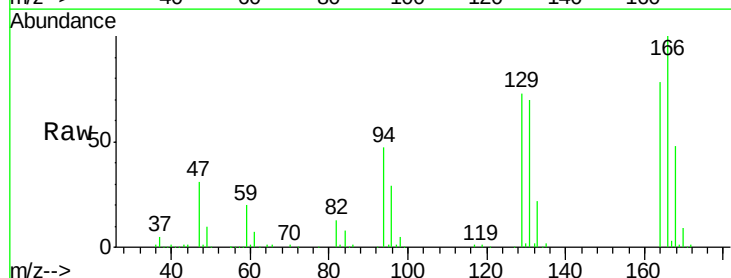
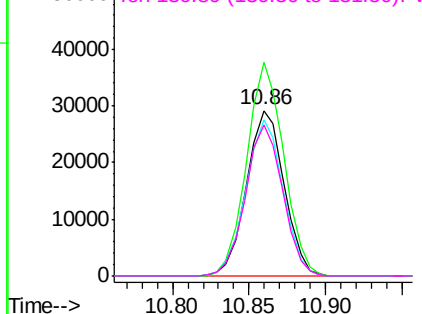
Abundance

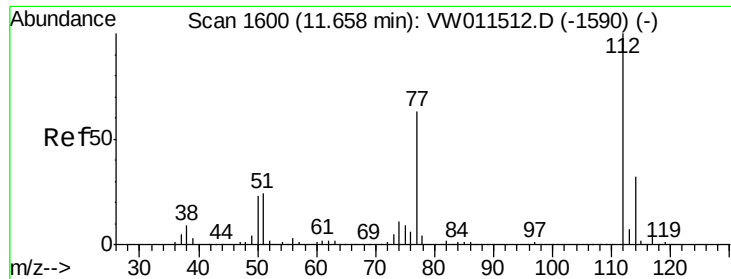
Ion 163.80 (163.50 to 164.50): V

Ion 165.80 (165.50 to 166.50): V

Ion 128.80 (128.50 to 129.50): V

Ion 130.80 (130.50 to 131.50): V





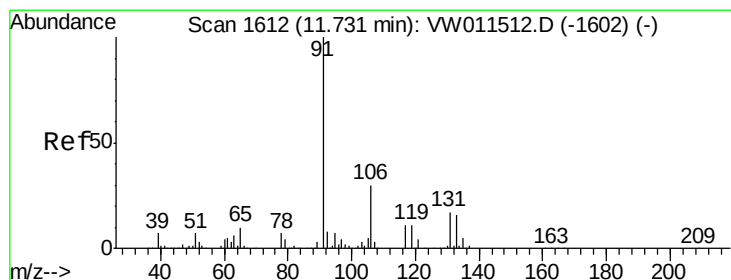
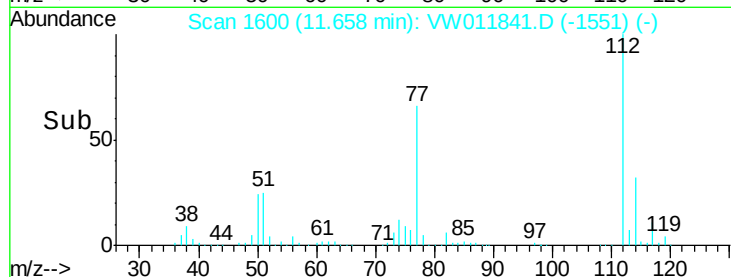
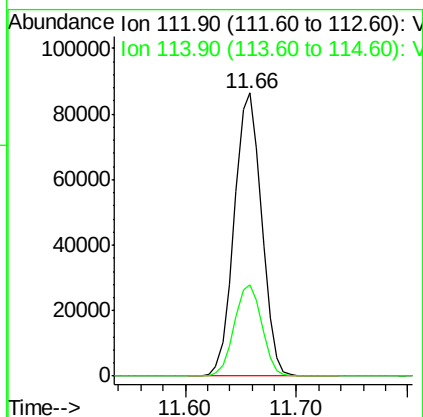
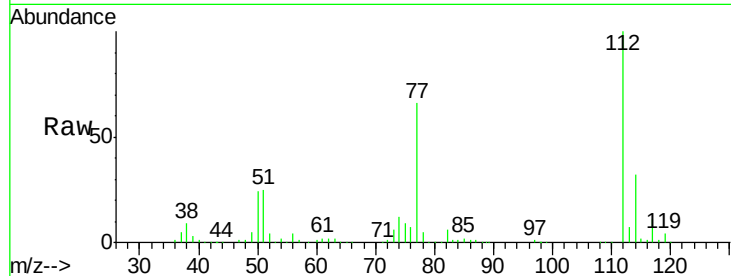
#65
Chlorobenzene
Concen: 21.772 ug/l
RT: 11.66 min Scan# 1600
Delta R.T. -0.00 min
Lab File: VW011841.D
Acq: 12 Aug 2019 10:32

Instrument :
MSVOA_W
ClientSampleId :
VW0812SBS02

Tot Ion:112 Resp: 146783
Ion Ratio Lower Upper
112 100
114 32.2 25.6 38.4

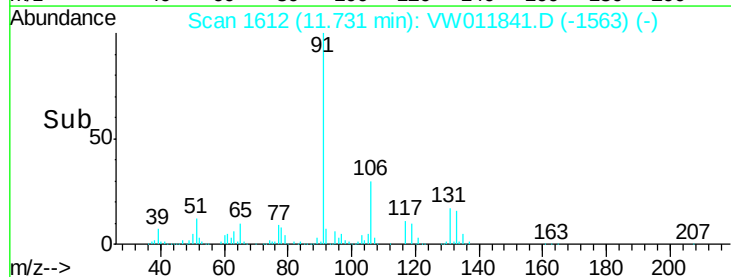
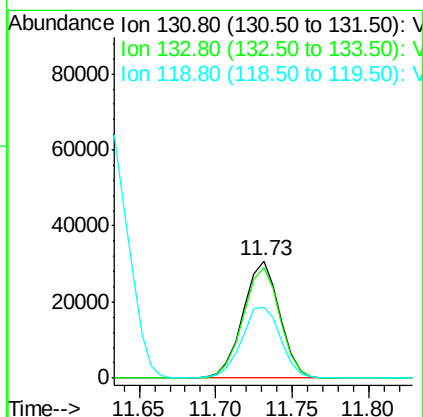
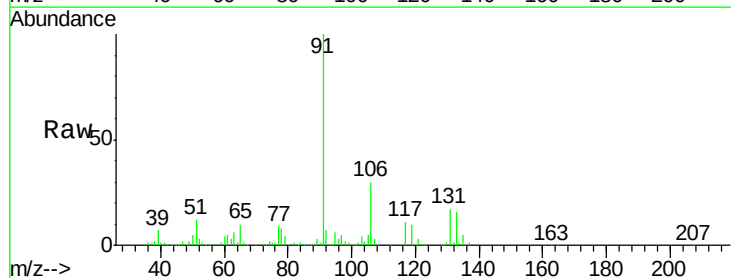
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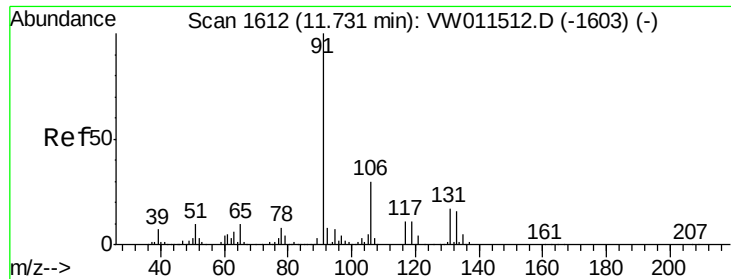
MMDadoda
8/13/2019 4:32:17 PM



#66
1,1,1,2-Tetrachloroethane
Concen: 21.833 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. -0.00 min
Lab File: VW011841.D
Acq: 12 Aug 2019 10:32

Tgt Ion:131 Resp: 51273
Ion Ratio Lower Upper
131 100
133 95.0 47.4 142.2
119 64.2 32.3 96.9





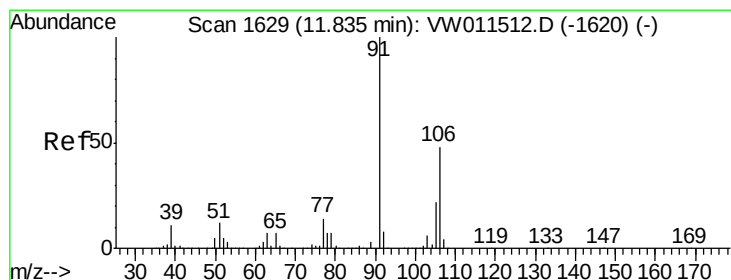
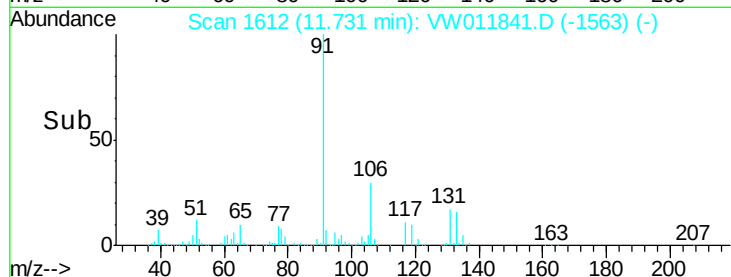
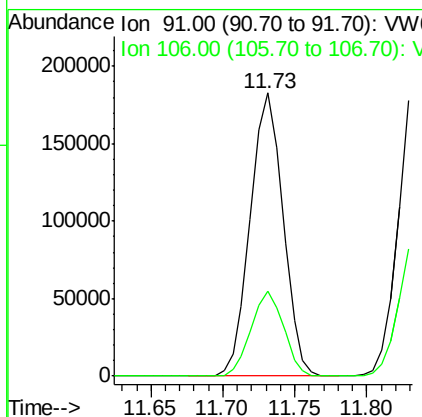
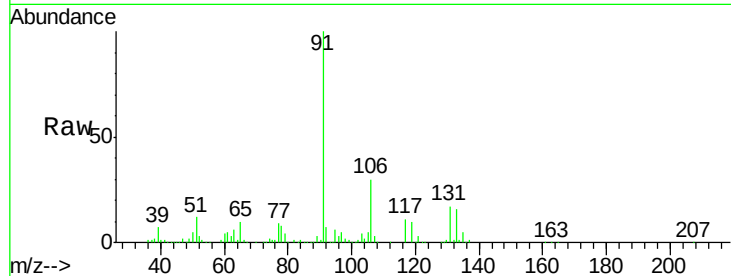
#67
Ethyl Benzene
Concen: 22.513 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. -0.00 min
Lab File: VW011841.D
Acq: 12 Aug 2019 10:32

Instrument :
MSVOA_W
ClientSampleId :
VW0812SBS02

Tot Ion	Ion	Ratio	Resp	Lower	Upper
91	100		289080		
106	30.2		23.8		35.6

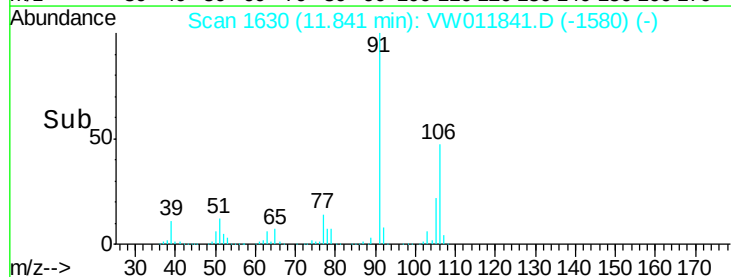
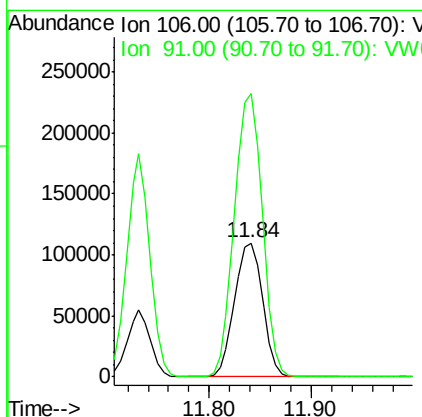
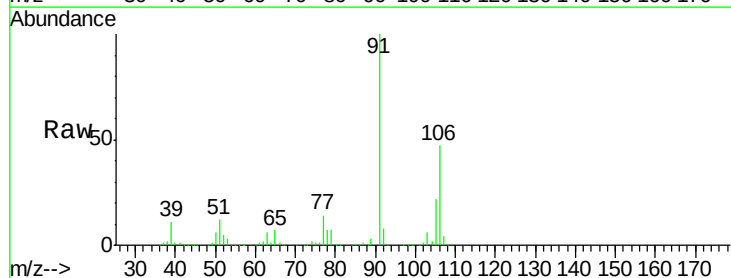
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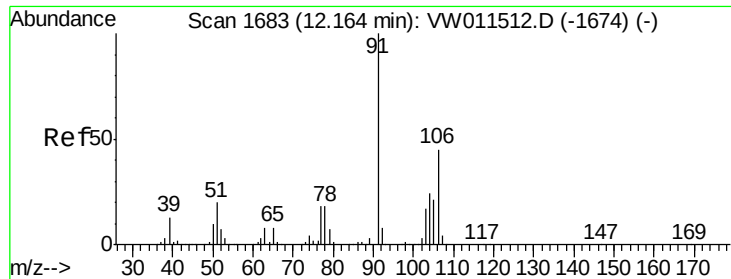
MMDadoda
8/13/2019 4:32:17 PM



#68
m/p-Xylenes
Concen: 45.021 ug/l
RT: 11.84 min Scan# 1630
Delta R.T. 0.01 min
Lab File: VW011841.D
Acq: 12 Aug 2019 10:32

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
106	100		210234		
91	210.1		168.2		252.2





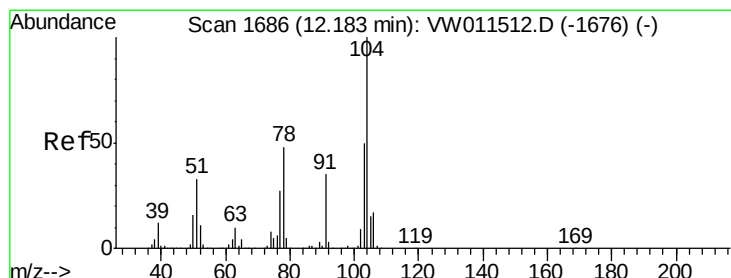
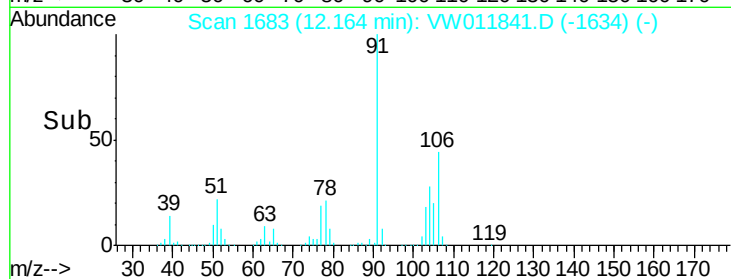
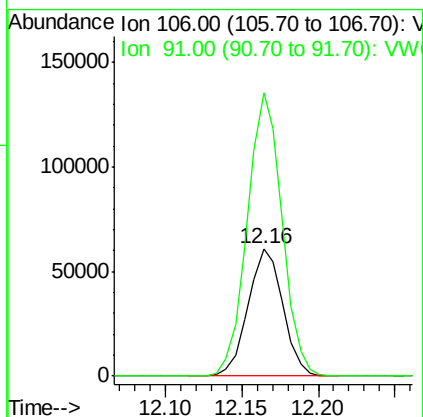
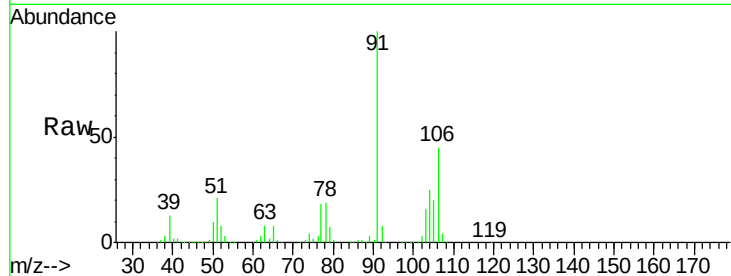
#69
o-Xylene
Concen: 22.186 ug/l
RT: 12.16 min Scan# 1683
Delta R.T. -0.00 min
Lab File: VW011841.D
Acq: 12 Aug 2019 10:32

Instrument :
MSVOA_W
ClientSampleId :
VW0812SBS02

Tot Ion:106 Resp: 96271
Ion Ratio Lower Upper
106 100
91 222.0 110.5 331.5

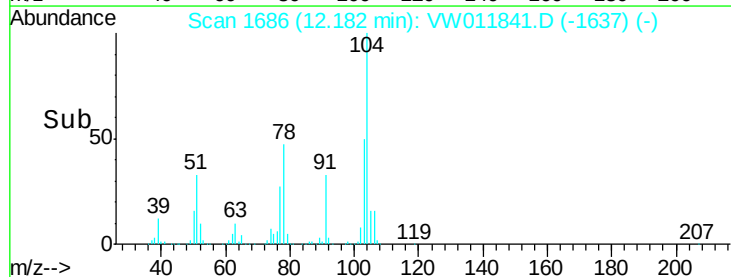
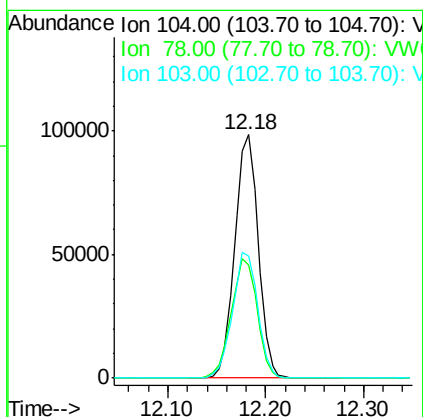
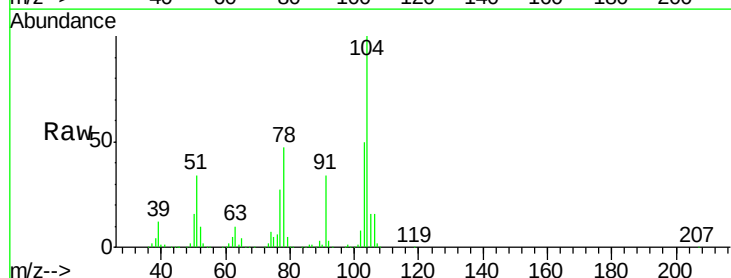
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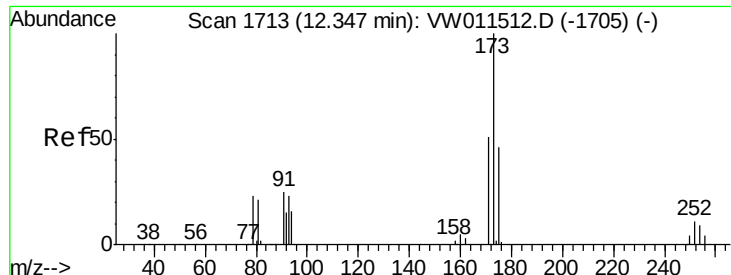
MMDadoda
8/13/2019 4:32:17 PM



#70
Styrene
Concen: 21.967 ug/l
RT: 12.18 min Scan# 1686
Delta R.T. -0.00 min
Lab File: VW011841.D
Acq: 12 Aug 2019 10:32

Tgt Ion:104 Resp: 164813
Ion Ratio Lower Upper
104 100
78 54.1 43.4 65.0
103 55.5 43.9 65.9





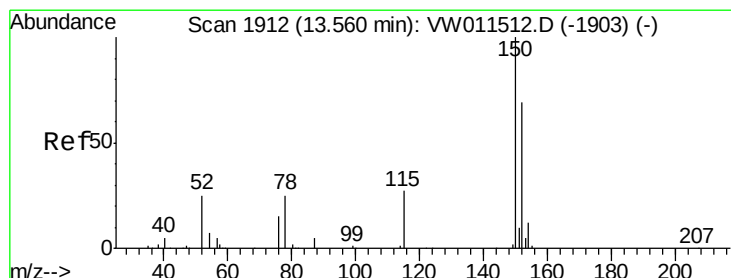
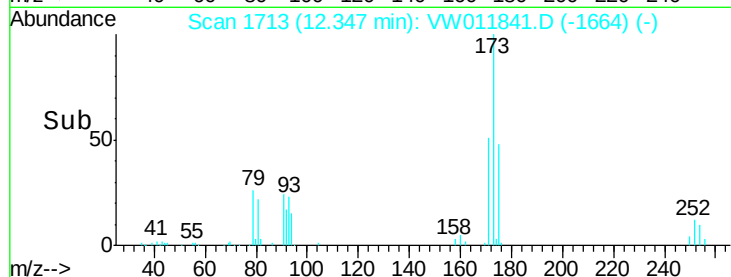
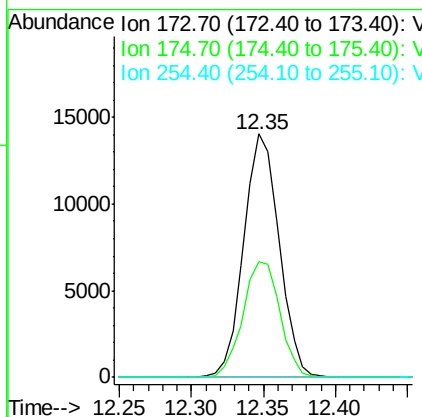
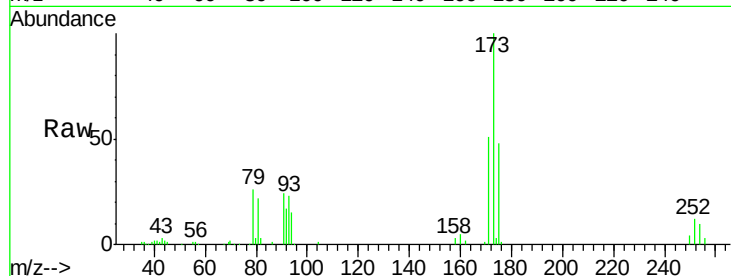
#71
Bromoform
Concen: 19.927 ug/l
RT: 12.35 min Scan# 1713
Delta R.T. -0.00 min
Lab File: VW011841.D
Acq: 12 Aug 2019 10:32

Instrument :
MSVOA_W
ClientSampleId :
VW0812SBS02

Tot Ion	Ratio	Lower	Upper
173	100		
175	49.7	23.6	71.0
254	0.0	0.1	0.1#

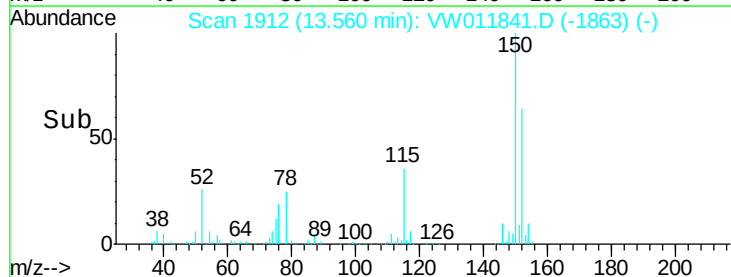
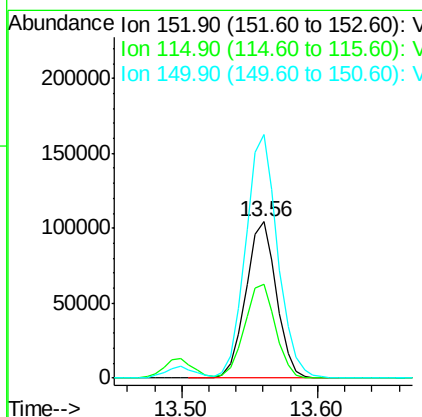
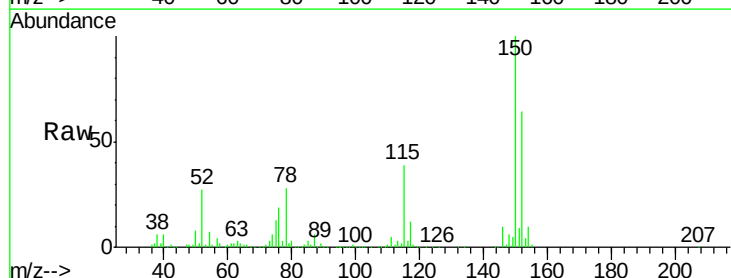
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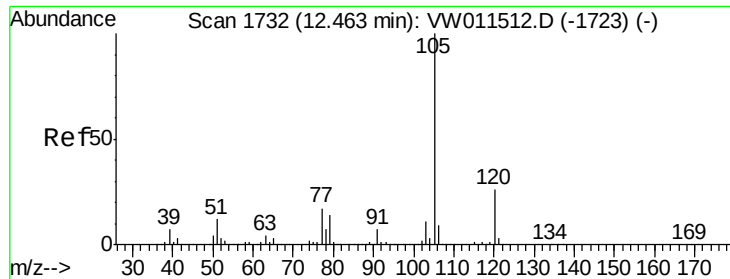
MMDadoda
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#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.56 min Scan# 1912
Delta R.T. -0.00 min
Lab File: VW011841.D
Acq: 12 Aug 2019 10:32

Tgt Ion	Ratio	Lower	Upper
152	100		
115	60.9	30.5	91.5
150	163.4	0.0	352.6





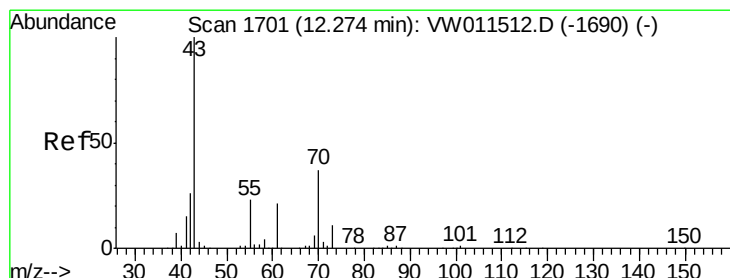
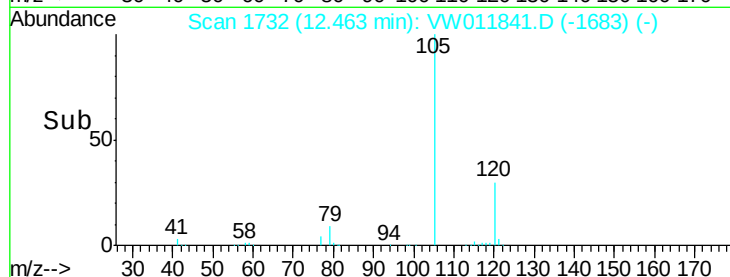
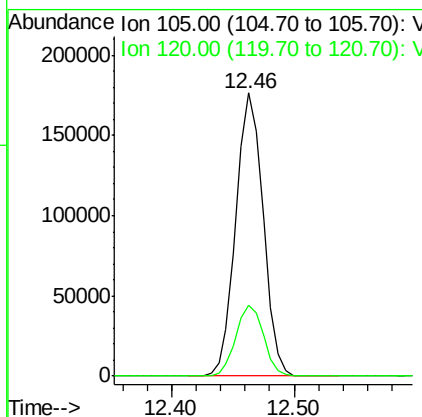
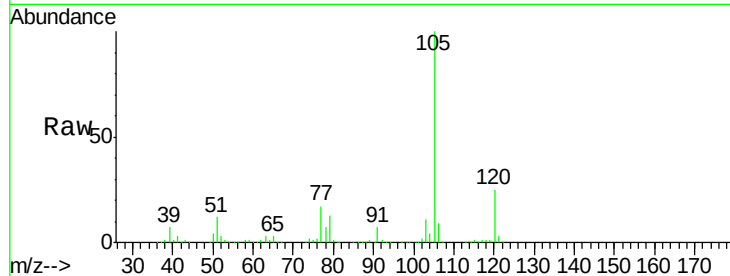
#73
Isopropylbenzene
Concen: 22.244 ug/l
RT: 12.46 min Scan# 1732
Delta R.T. -0.00 min
Lab File: VW011841.D
Acq: 12 Aug 2019 10:32

Instrument :
MSVOA_W
ClientSampleId :
VW0812SBS02

Tot Ion	Ratio	Lower	Upper
105	100		
120	25.3	12.9	38.7

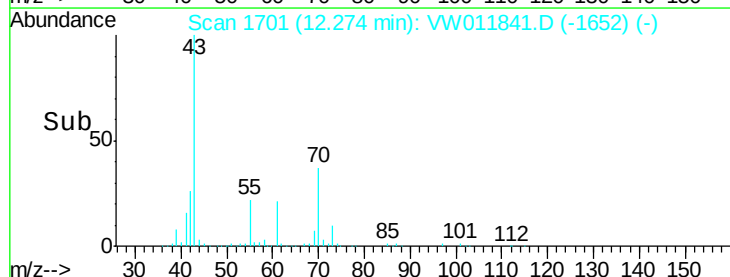
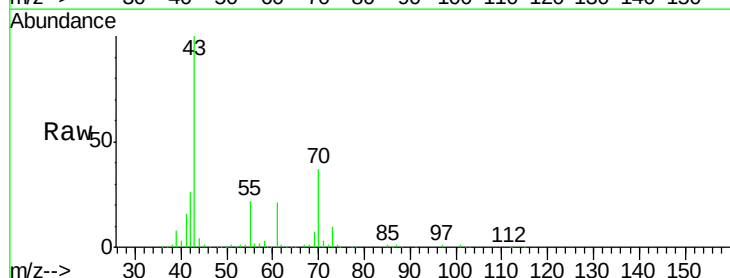
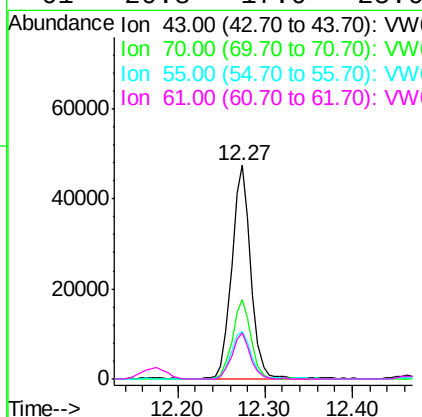
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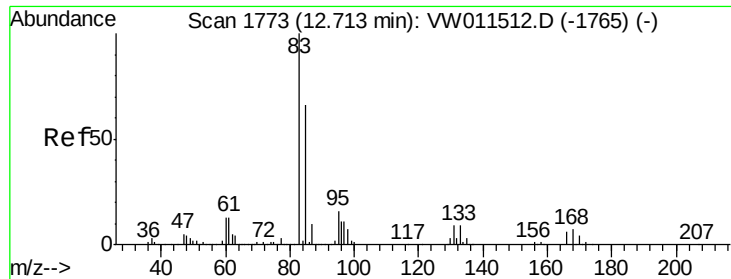
MMDadoda
8/13/2019 4:32:17 PM



#74
N-ethyl acetate
Concen: 18.852 ug/l
RT: 12.27 min Scan# 1701
Delta R.T. -0.00 min
Lab File: VW011841.D
Acq: 12 Aug 2019 10:32

Tgt Ion	Ratio	Lower	Upper
43	100		
70	36.1	28.6	43.0
55	23.7	17.8	26.8
61	20.8	17.0	25.6





#75

1,1,2,2-Tetrachloroethane

Concen: 20.022 ug/l

RT: 12.71 min Scan# 1773

Delta R.T. -0.00 min

Lab File: VW011841.D

Acq: 12 Aug 2019 10:32

Instrument :

MSVOA_W

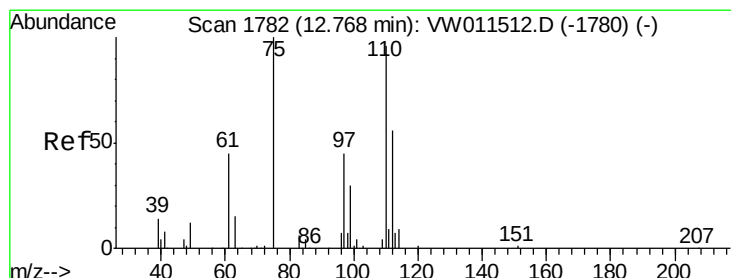
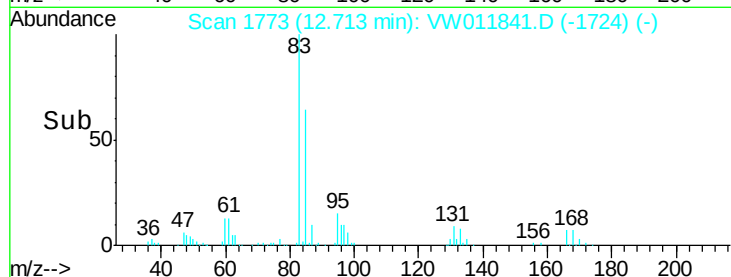
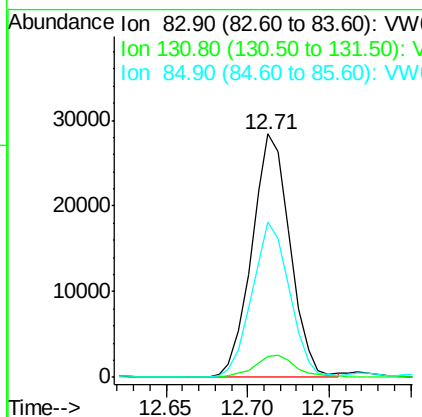
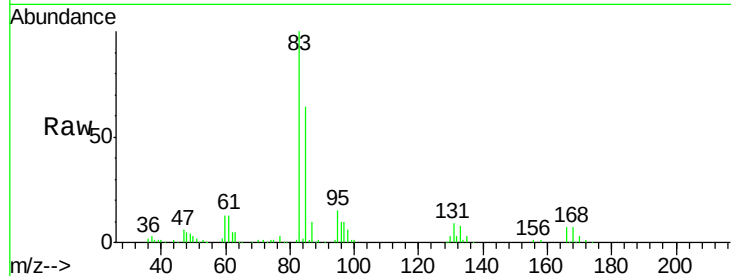
ClientSampleId :

VW0812SBS02

Tot Ion:	83	Resp:	46104
Ion Ratio	Lower	Upper	
83	100		
131	9.8	4.9	14.6
85	62.7	31.8	95.4

Manual Integrations
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MMDadoda
8/13/2019 4:32:17 PM



#76

1,2,3-Trichloropropane

Concen: 18.734 ug/l m

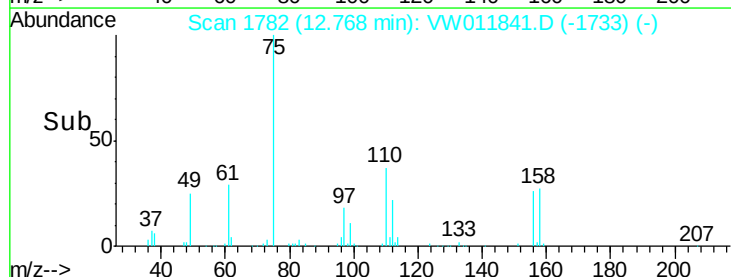
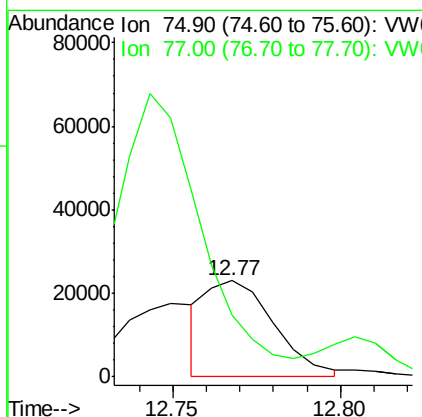
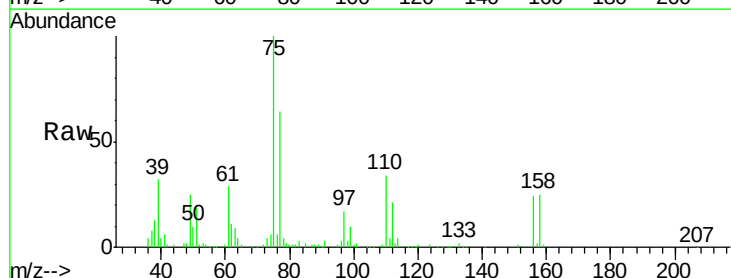
RT: 12.77 min Scan# 1782

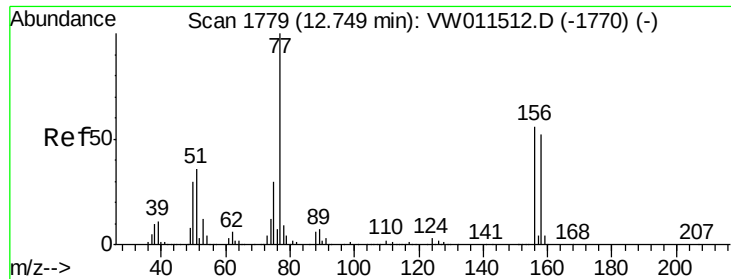
Delta R.T. -0.00 min

Lab File: VW011841.D

Acq: 12 Aug 2019 10:32

Tgt Ion:	75	Resp:	32528
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





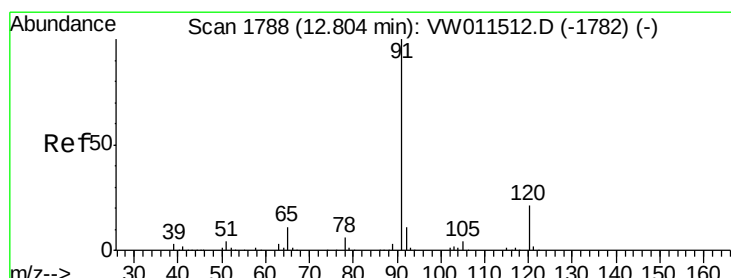
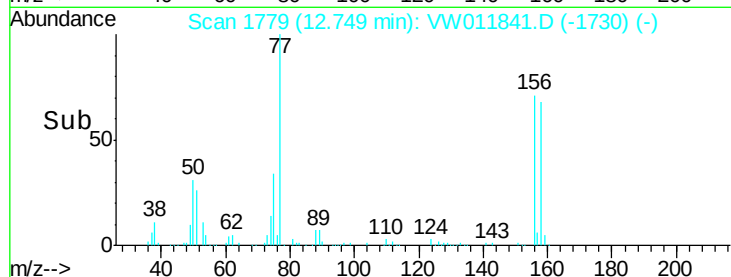
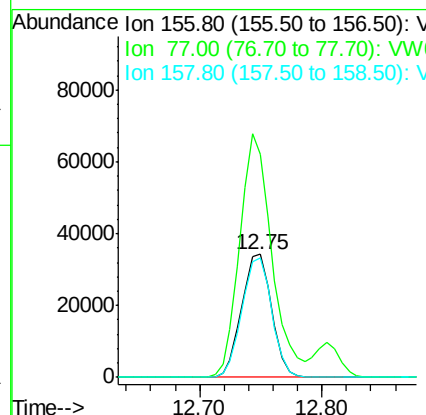
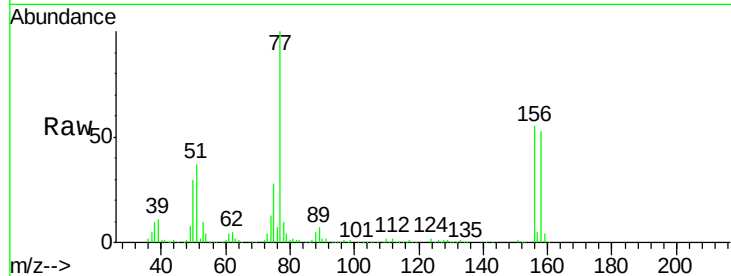
#77
Bromobenzene
Concen: 21.577 ug/l
RT: 12.75 min Scan# 1779
Delta R.T. -0.00 min
Lab File: VW011841.D
Acq: 12 Aug 2019 10:32

Instrument :
MSVOA_W
ClientSampleId :
VW0812SBS02

Tot Ion	Ion	Ratio	Lower	Upper
156	100			
77	211.1	106.5	319.4	
158	96.2	48.0	144.2	

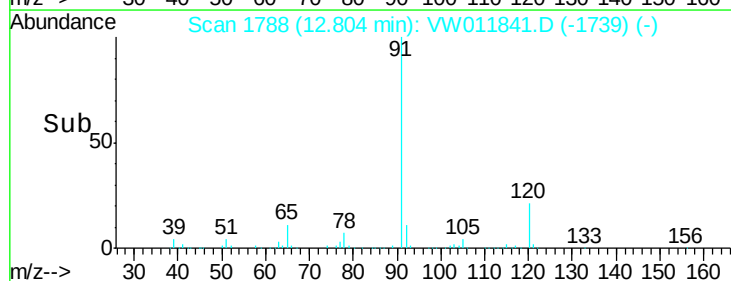
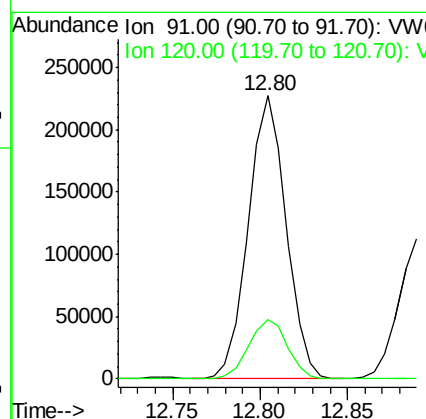
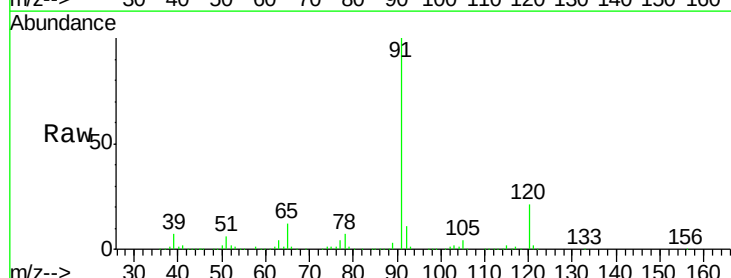
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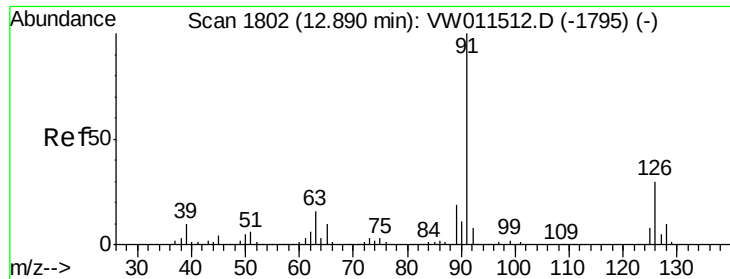
MMDadoda
8/13/2019 4:32:17 PM



#78
n-propylbenzene
Concen: 22.875 ug/l
RT: 12.80 min Scan# 1788
Delta R.T. -0.00 min
Lab File: VW011841.D
Acq: 12 Aug 2019 10:32

Tgt Ion	Ion	Ratio	Lower	Upper
91	100			
120	21.5	10.9	32.7	





#79

2-Chlorotoluene

Concen: 21.829 ug/l

RT: 12.89 min Scan# 1802

Delta R.T. -0.00 min

Lab File: VW011841.D

Acq: 12 Aug 2019 10:32

Instrument :

MSVOA_W

ClientSampleId :

VW0812SBS02

Tot Ion: 91 Resp: 187360

Ion Ratio Lower Upper

91 100

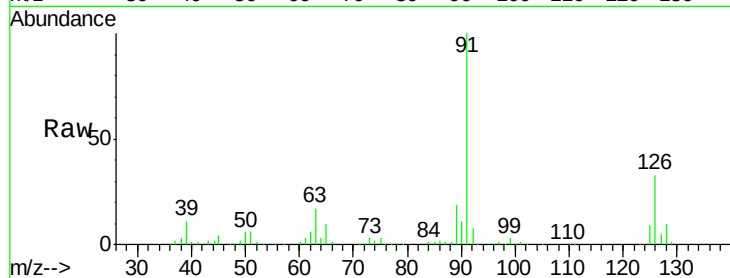
126 30.9 15.7 47.1

Manual Integrations

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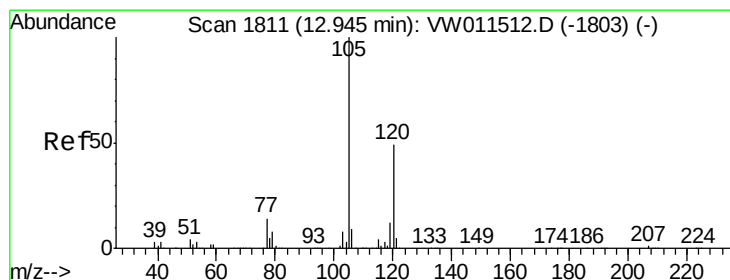
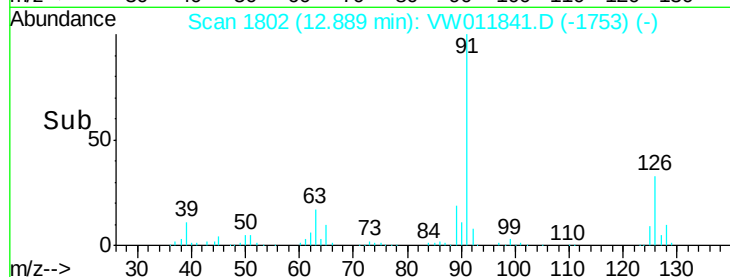
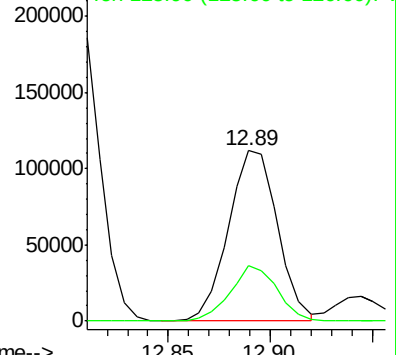
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Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 125.90 (125.60 to 126.60): V



#80

1,3,5-Trimethylbenzene

Concen: 22.567 ug/l

RT: 12.94 min Scan# 1811

Delta R.T. -0.00 min

Lab File: VW011841.D

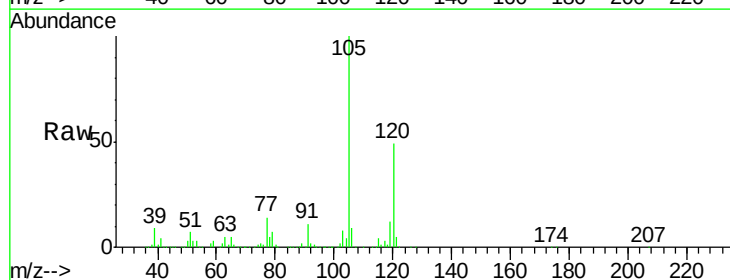
Acq: 12 Aug 2019 10:32

Tgt Ion:105 Resp: 231572

Ion Ratio Lower Upper

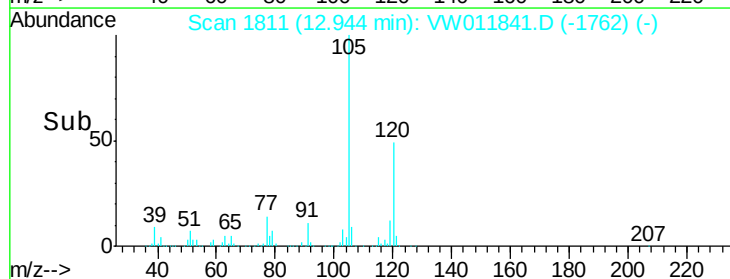
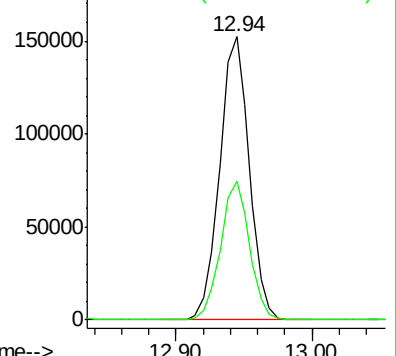
105 100

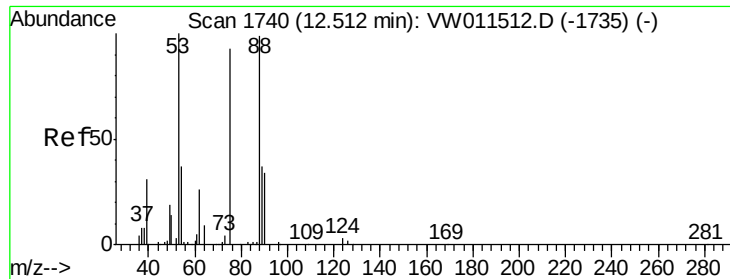
120 48.2 24.1 72.3



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





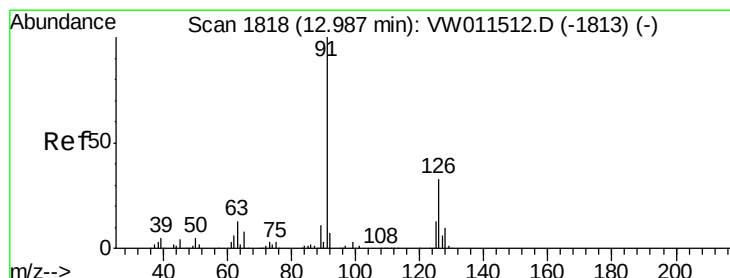
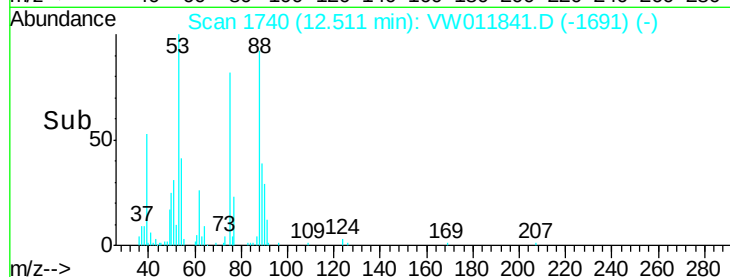
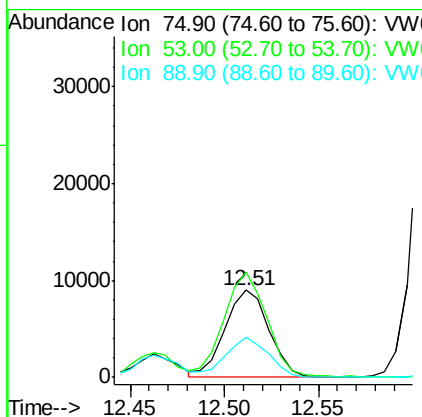
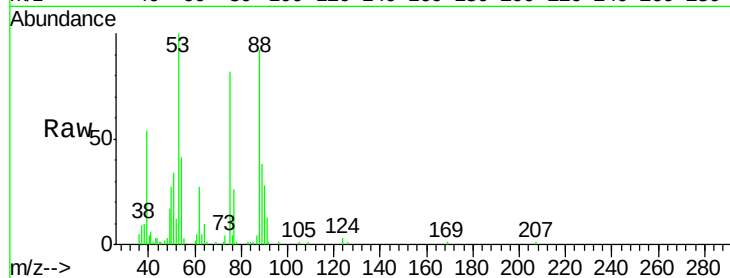
#81
trans-1,4-Dichloro-2-butene
Concen: 19.361 ug/l
RT: 12.51 min Scan# 1740
Delta R.T. -0.00 min
Lab File: VW011841.D
Acq: 12 Aug 2019 10:32

Instrument :
MSVOA_W
ClientSampleId :
VW0812SBS02

Tot Ion	Ratio	Lower	Upper
75	100		
53	118.7	88.0	132.0
89	43.9	35.3	52.9

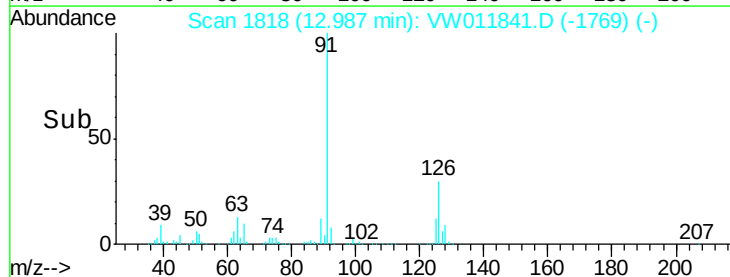
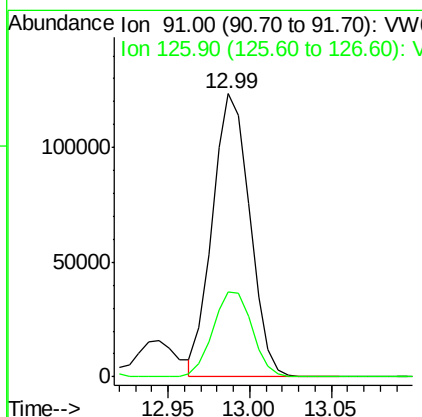
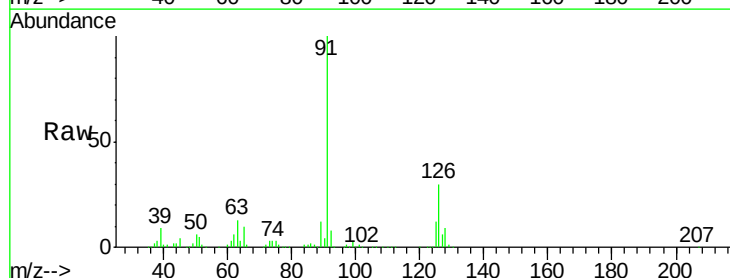
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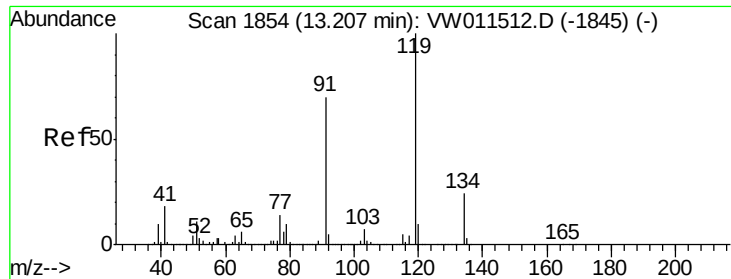
MMDadoda
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#82
4-Chlorotoluene
Concen: 21.916 ug/l
RT: 12.99 min Scan# 1818
Delta R.T. -0.00 min
Lab File: VW011841.D
Acq: 12 Aug 2019 10:32

Tgt Ion	Ratio	Lower	Upper
91	100		
126	31.6	15.6	46.8





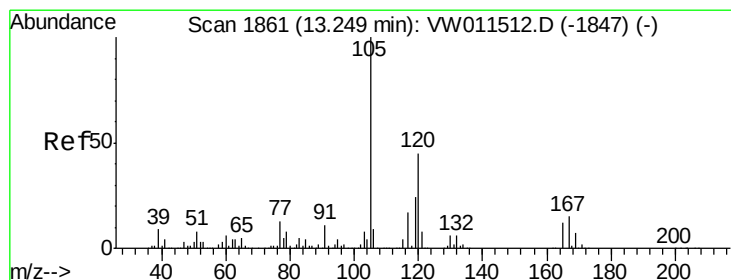
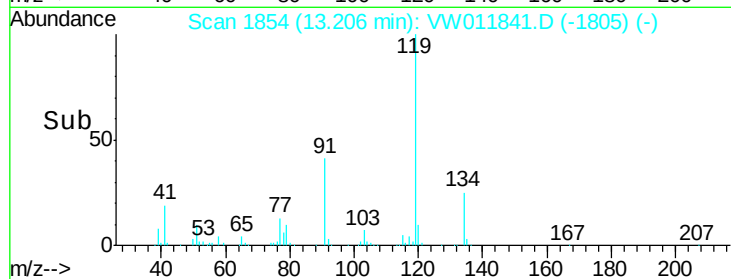
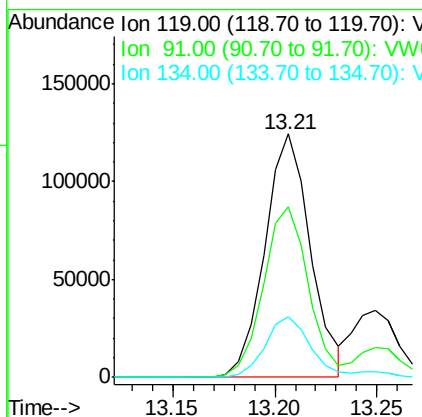
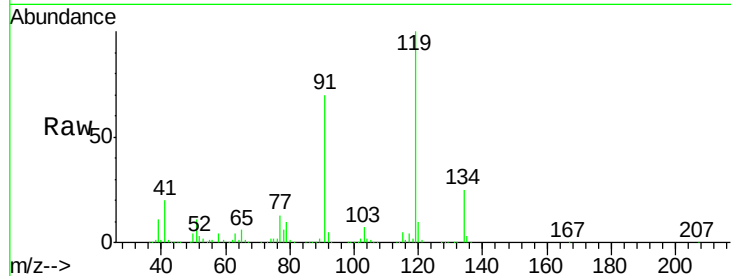
#83
 tert-Butylbenzene
 Concen: 22.564 ug/l
 RT: 13.21 min Scan# 1854
 Delta R.T. -0.00 min
 Lab File: VW011841.D
 Acq: 12 Aug 2019 10:32

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0812SBS02

Tot Ion	Ratio	Resp	Lower	Upper
119	100	193625		
91	68.9	34.5	103.6	
134	24.7	12.4	37.4	

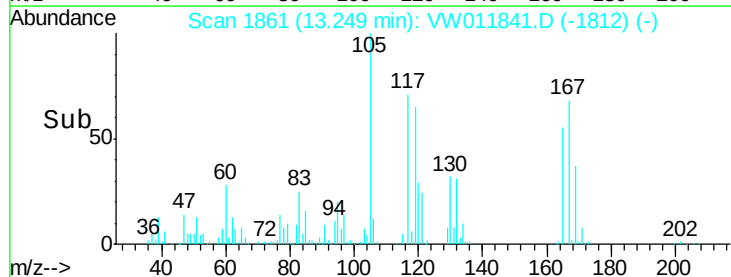
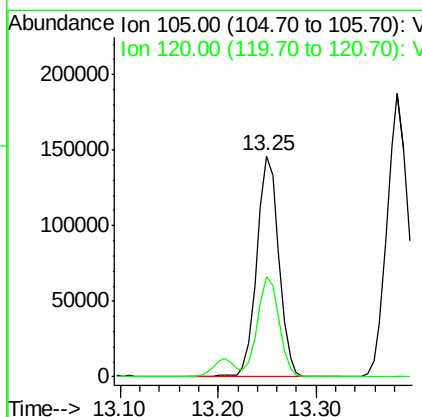
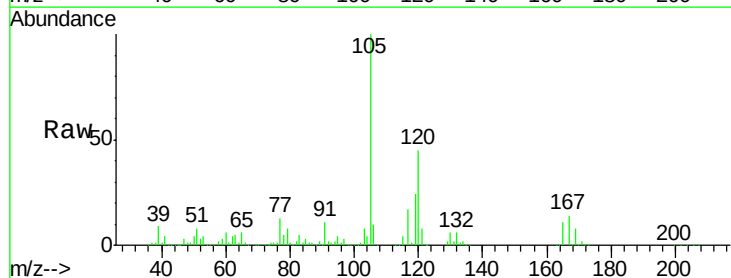
Manual Integrations
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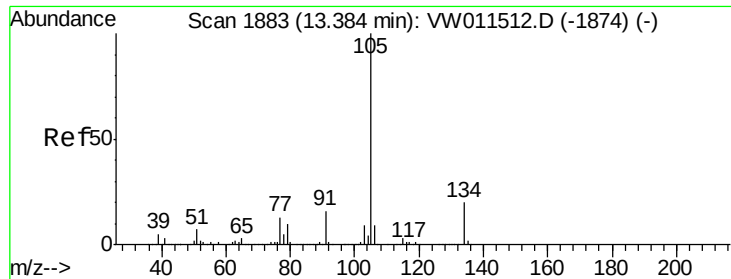
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 8/13/2019 4:32:17 PM



#84
 1,2,4-Trimethylbenzene
 Concen: 22.048 ug/l
 RT: 13.25 min Scan# 1861
 Delta R.T. -0.00 min
 Lab File: VW011841.D
 Acq: 12 Aug 2019 10:32

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	227911		
120	44.2	22.1	66.5	





#85

sec-Butylbenzene

Concen: 22.891 ug/l

RT: 13.38 min Scan# 1883

Delta R.T. -0.00 min

Lab File: VW011841.D

Acq: 12 Aug 2019 10:32

Instrument :

MSVOA_W

ClientSampleId :

VW0812SBS02

Tot Ion:105 Resp: 280285

Ion Ratio Lower Upper

105 100

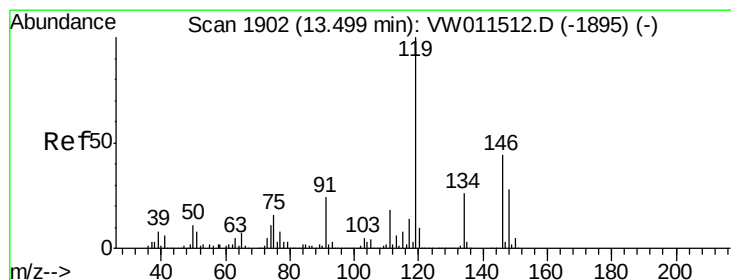
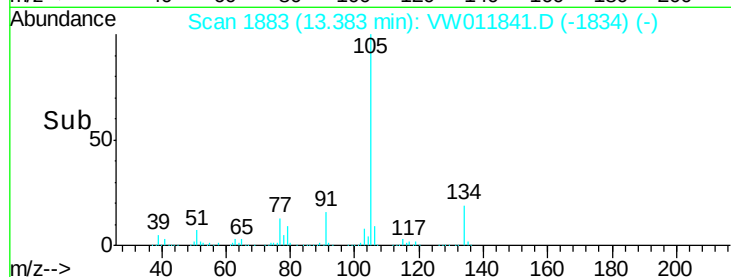
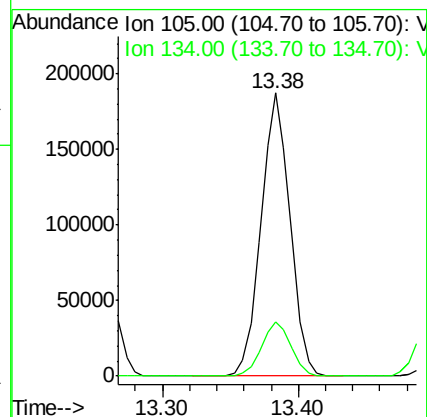
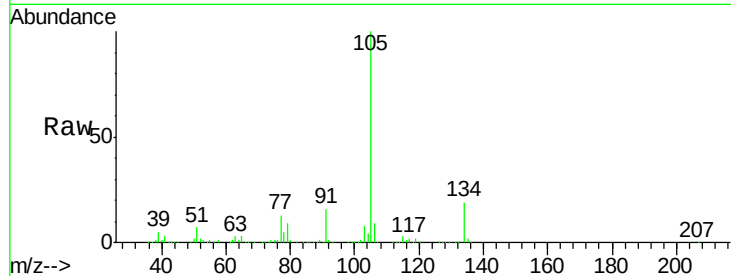
134 19.4 9.7 29.1

Manual Integrations

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#86

p-Isopropyltoluene

Concen: 22.654 ug/l

RT: 13.50 min Scan# 1902

Delta R.T. -0.00 min

Lab File: VW011841.D

Acq: 12 Aug 2019 10:32

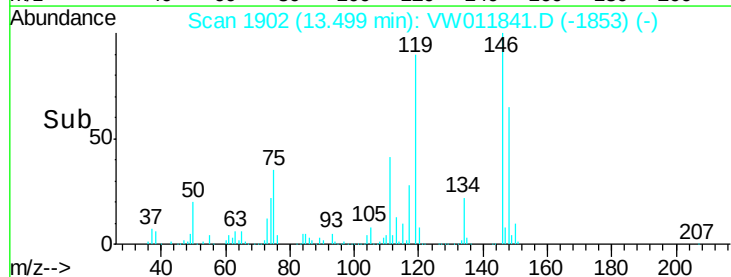
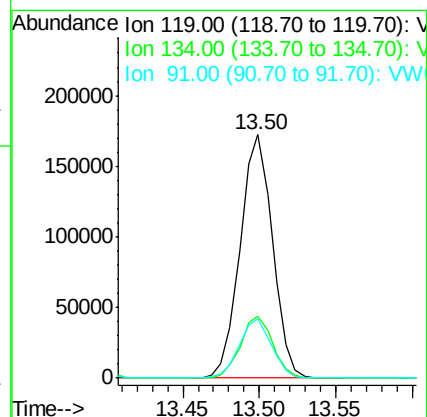
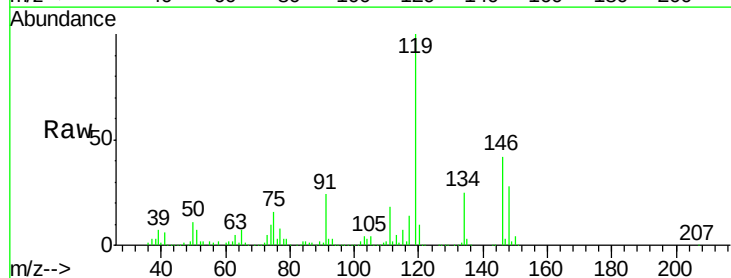
Tgt Ion:119 Resp: 251671

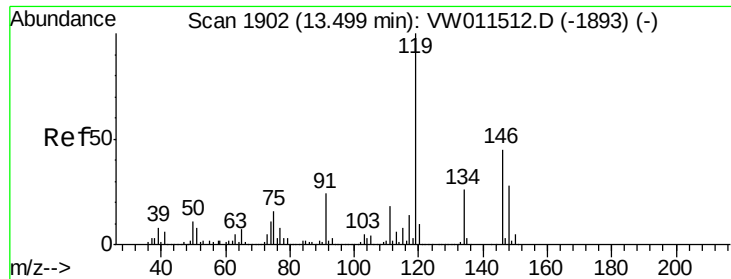
Ion Ratio Lower Upper

119 100

134 25.6 12.8 38.4

91 24.4 12.1 36.3





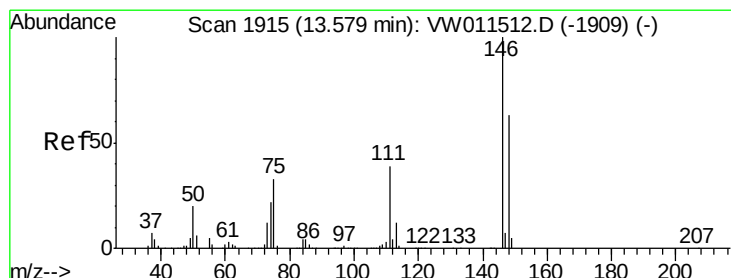
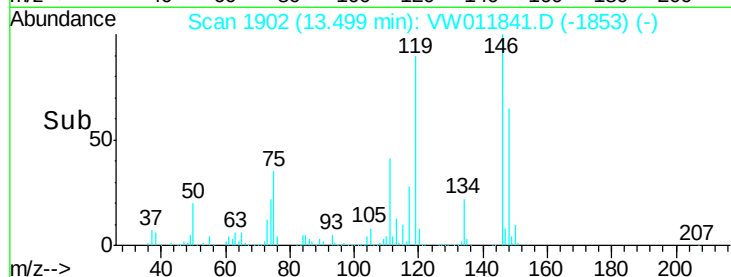
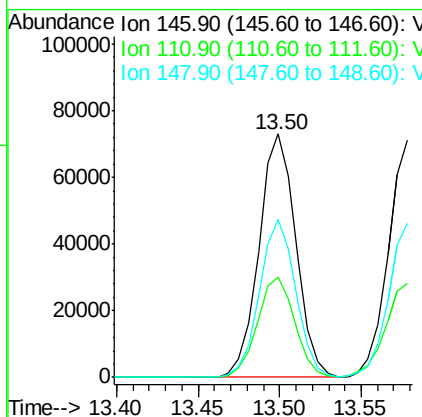
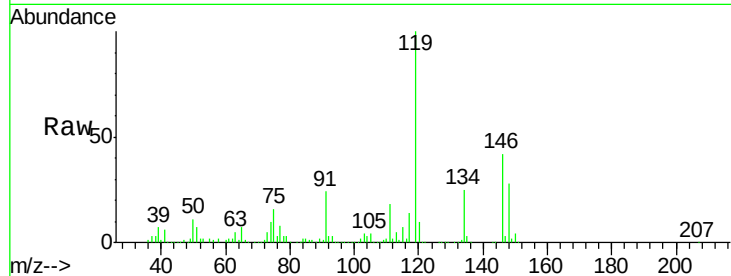
#87
 1,3-Dichlorobenzene
 Concen: 21.614 ug/l
 RT: 13.50 min Scan# 1902
 Delta R.T. -0.00 min
 Lab File: VW011841.D
 Acq: 12 Aug 2019 10:32

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0812SBS02

Tot Ion	Ratio	Resp	Lower	Upper
146	100	114671		
111	41.9	20.5	61.6	
148	63.7	31.8	95.3	

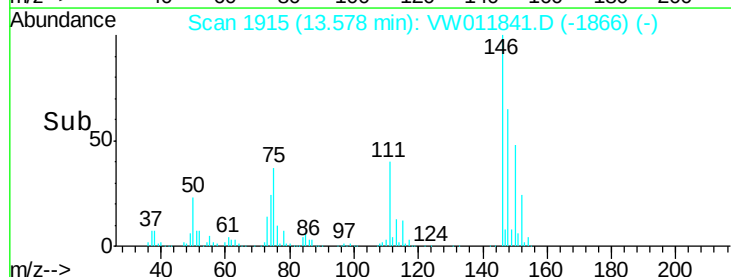
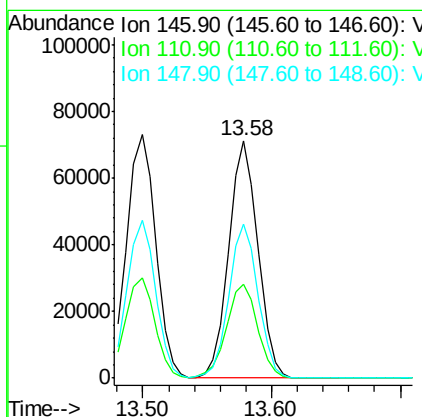
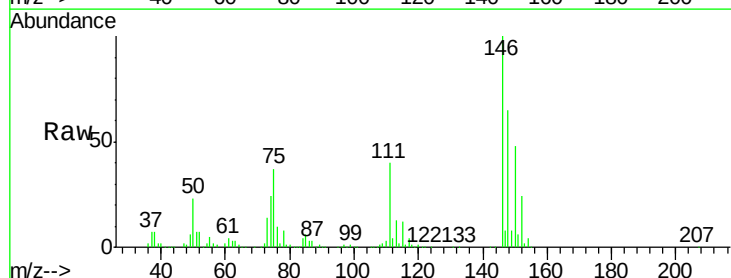
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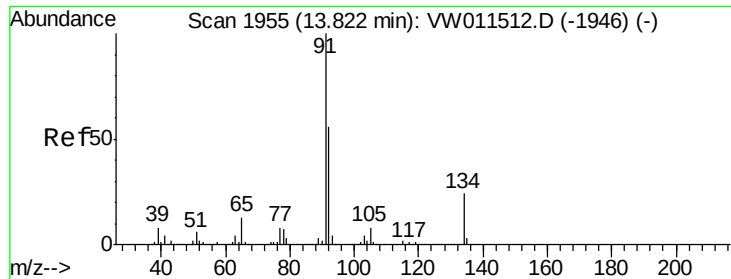
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 8/13/2019 4:32:17 PM



#88
 1,4-Dichlorobenzene
 Concen: 21.379 ug/l
 RT: 13.58 min Scan# 1915
 Delta R.T. -0.00 min
 Lab File: VW011841.D
 Acq: 12 Aug 2019 10:32

Tgt Ion	Ratio	Resp	Lower	Upper
146	100	112831		
111	42.4	20.1	60.2	
148	65.1	31.9	95.9	





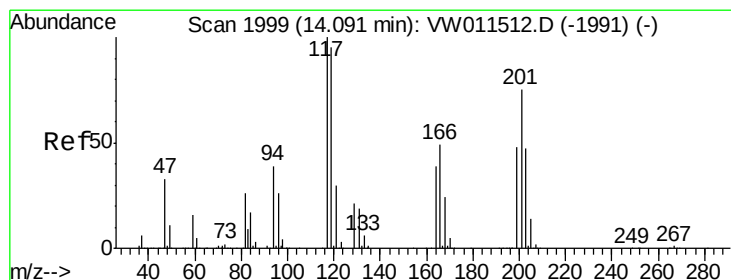
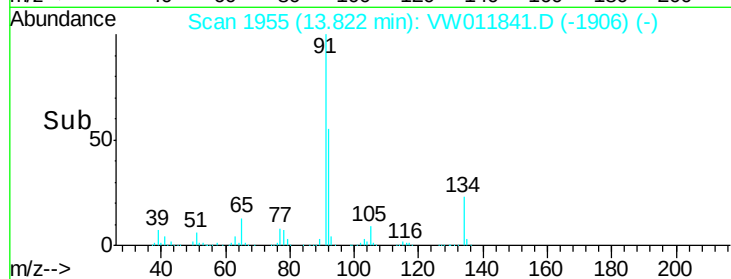
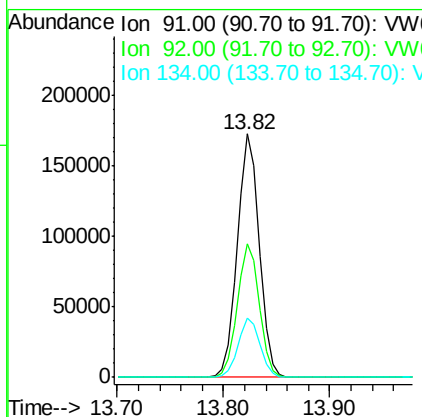
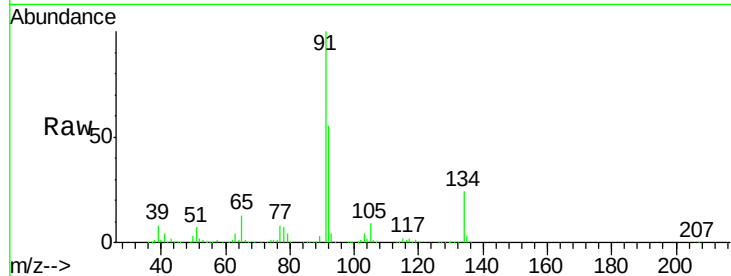
#89
n-Butylbenzene
Concen: 22.535 ug/l
RT: 13.82 min Scan# 1955
Delta R.T. -0.00 min
Lab File: VW011841.D
Acq: 12 Aug 2019 10:32

Instrument :
MSVOA_W
ClientSampleId :
VW0812SBS02

Tot Ion	Ratio	Resp	Lower	Upper
91	100	249831		
92	54.7		27.5	82.4
134	24.4		12.2	36.6

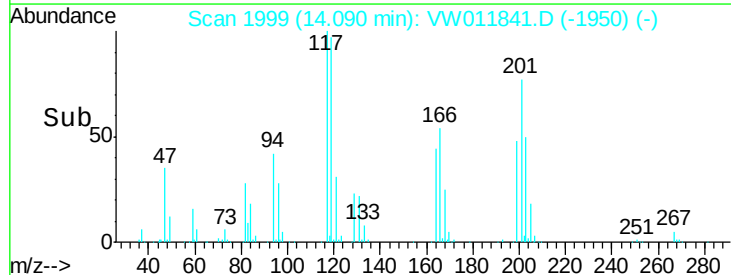
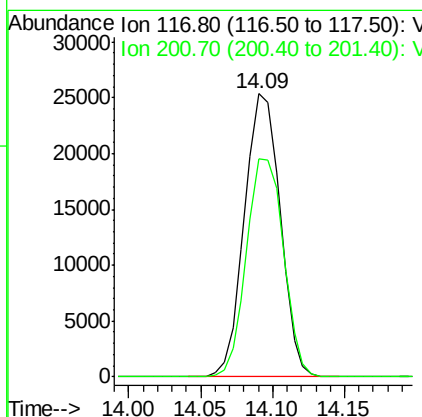
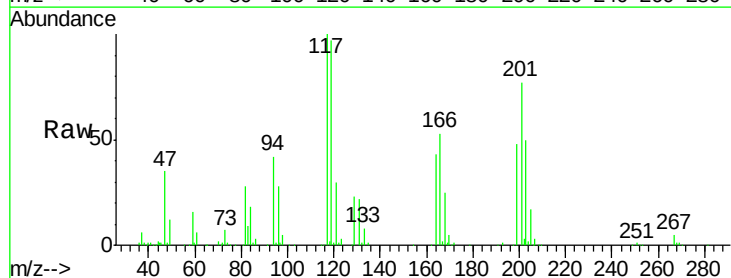
Manual Integrations
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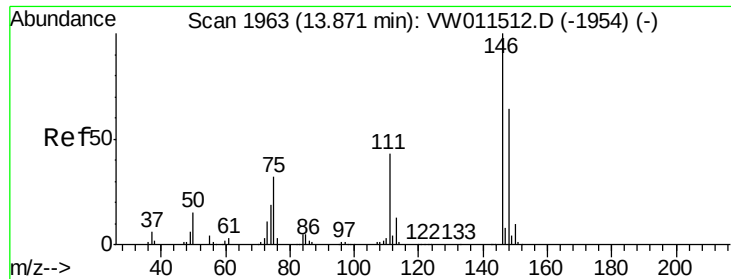
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#90
Hexachloroethane
Concen: 22.231 ug/l
RT: 14.09 min Scan# 1999
Delta R.T. -0.00 min
Lab File: VW011841.D
Acq: 12 Aug 2019 10:32

Tgt Ion	Ratio	Resp	Lower	Upper
117	100	43673		
201	79.8		39.4	118.2





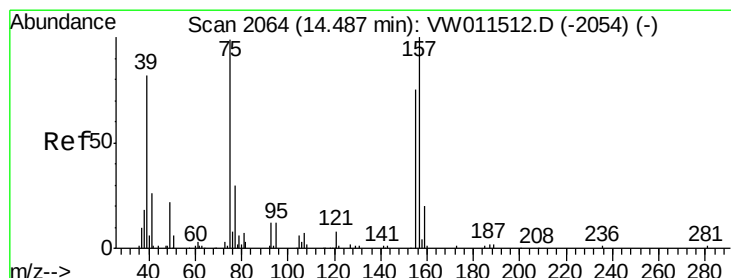
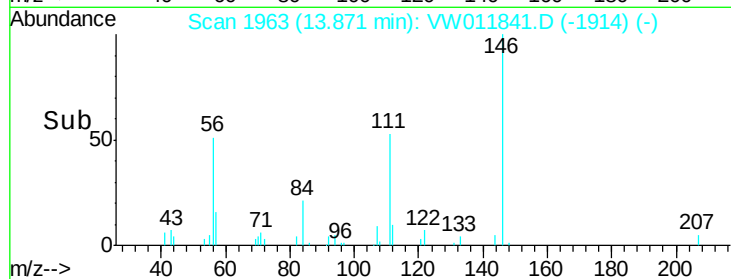
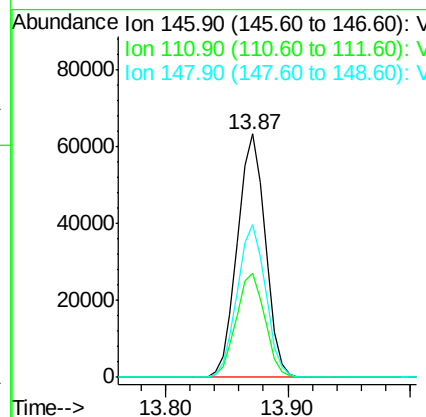
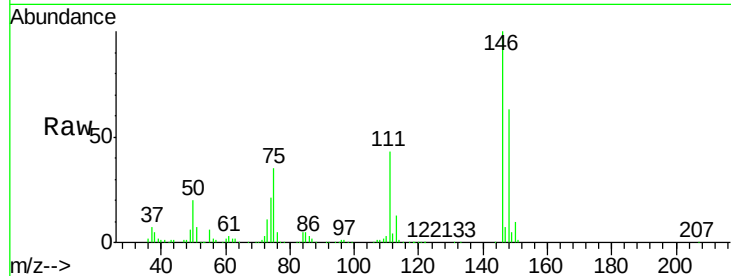
#91
 1,2-Dichlorobenzene
 Concen: 21.304 ug/l
 RT: 13.87 min Scan# 1963
 Delta R.T. -0.00 min
 Lab File: VW011841.D
 Acq: 12 Aug 2019 10:32

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0812SBS02

Tot Ion	Ratio	Lower	Upper
146	100		
111	43.8	21.6	65.0
148	63.7	32.0	96.2

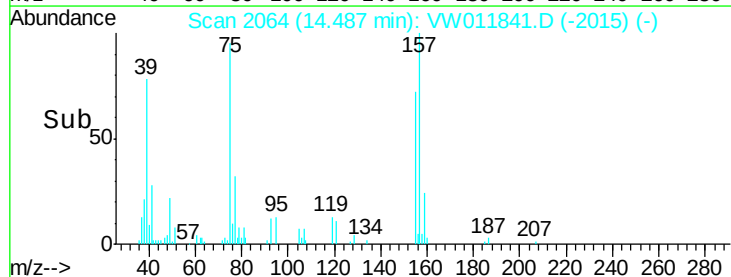
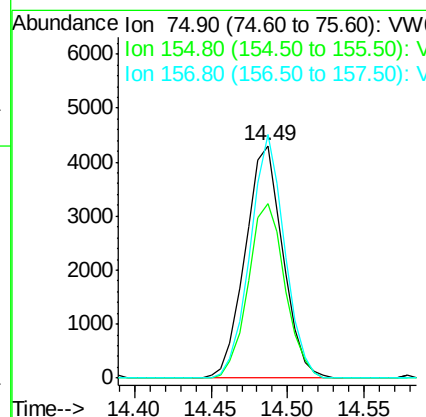
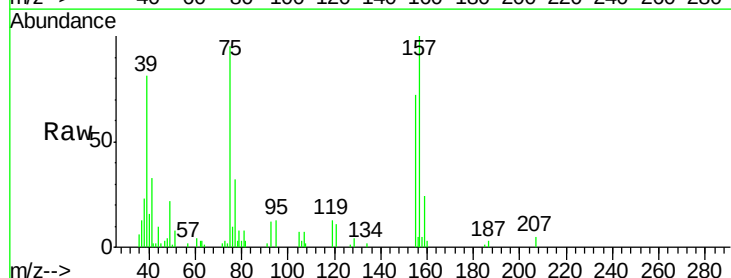
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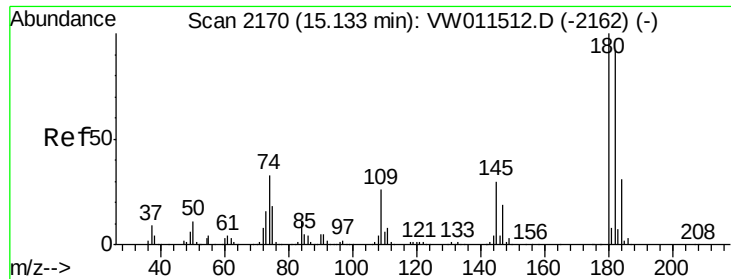
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 8/13/2019 4:32:17 PM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 18.739 ug/l
 RT: 14.49 min Scan# 2064
 Delta R.T. -0.00 min
 Lab File: VW011841.D
 Acq: 12 Aug 2019 10:32

Tgt Ion	Ratio	Lower	Upper
75	100		
155	73.6	38.2	114.6
157	95.6	48.9	146.7





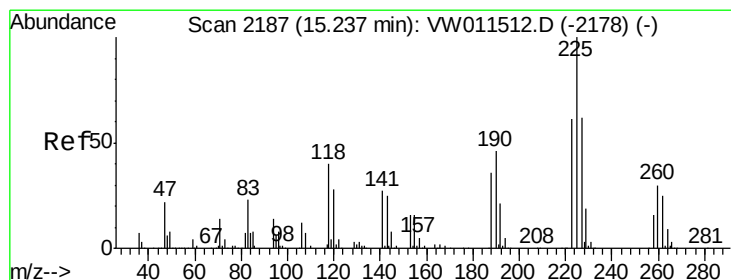
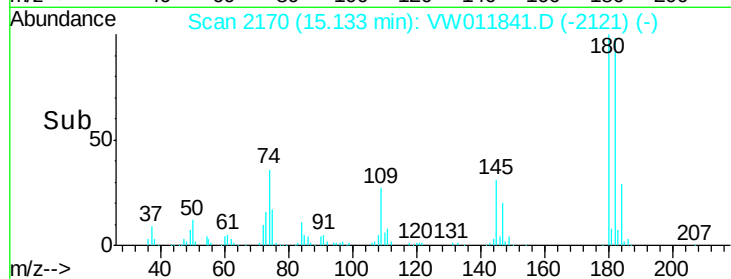
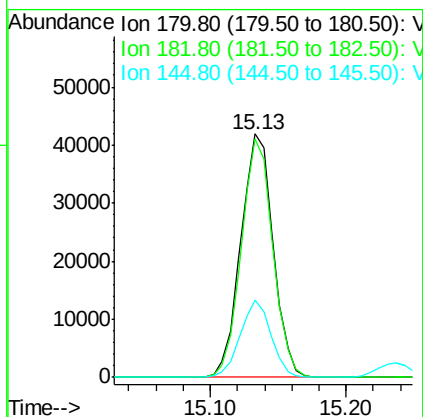
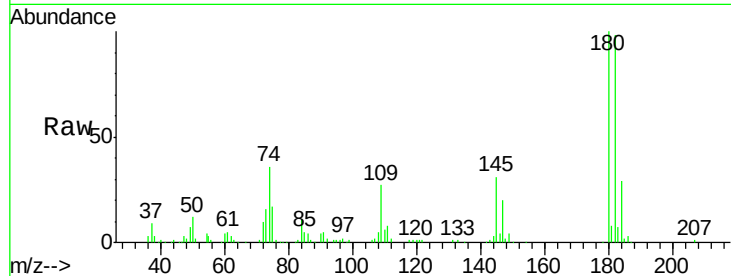
#93
1,2,4-Trichlorobenzene
Concen: 21.069 ug/l
RT: 15.13 min Scan# 2170
Delta R.T. -0.00 min
Lab File: VW011841.D
Acq: 12 Aug 2019 10:32

Instrument :
MSVOA_W
ClientSampleId :
VW0812SBS02

Tot Ion	Ratio	Lower	Upper
180	100		
182	95.6	47.4	142.2
145	30.2	15.4	46.1

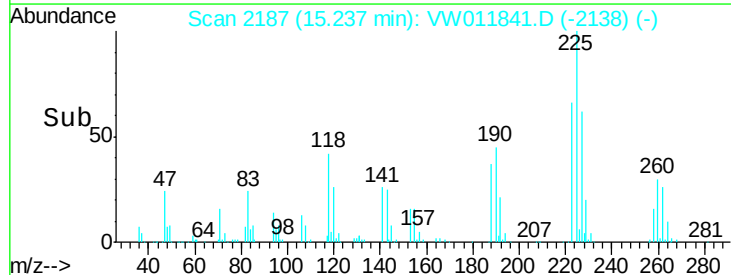
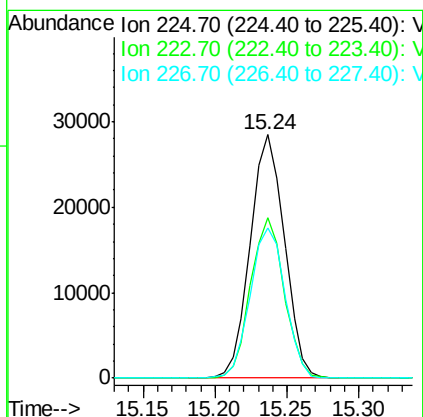
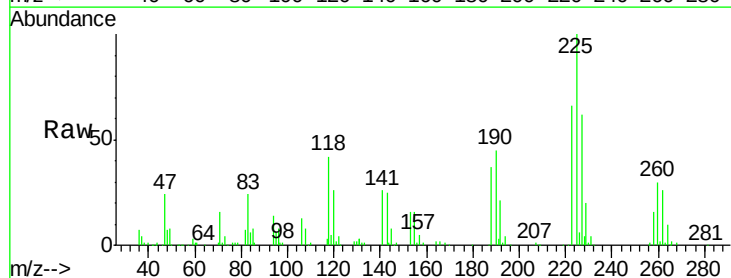
Manual Integrations
APPROVED

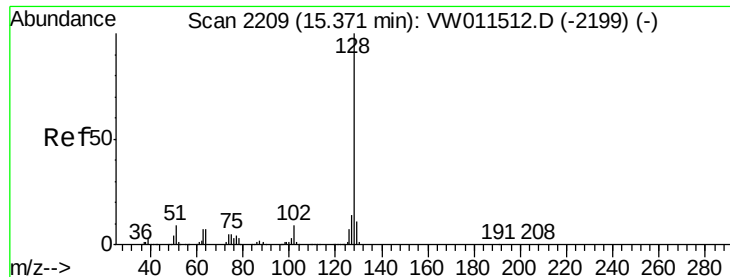
MMDadoda
8/13/2019 4:32:17 PM



#94
Hexachlorobutadiene
Concen: 22.712 ug/l
RT: 15.24 min Scan# 2187
Delta R.T. -0.00 min
Lab File: VW011841.D
Acq: 12 Aug 2019 10:32

Tgt Ion	Ratio	Lower	Upper
225	100		
223	64.6	30.8	92.3
227	62.9	31.6	94.7





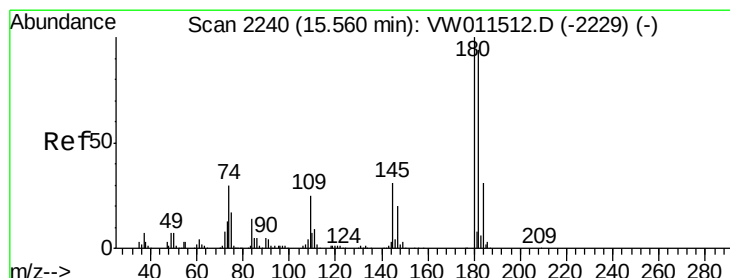
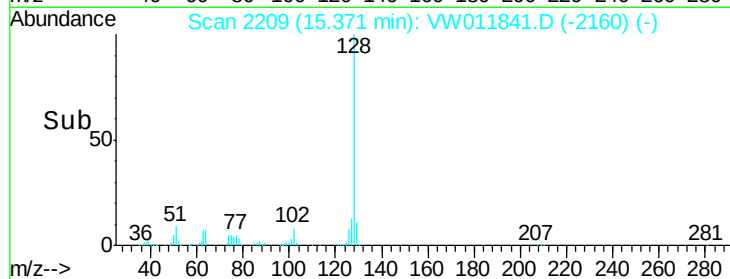
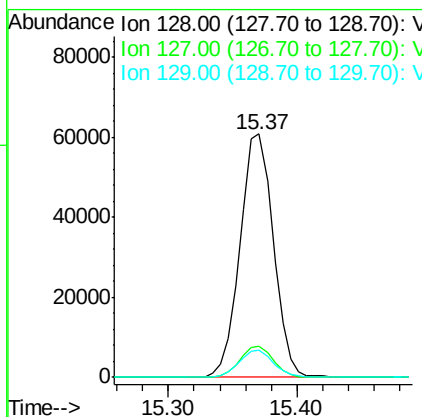
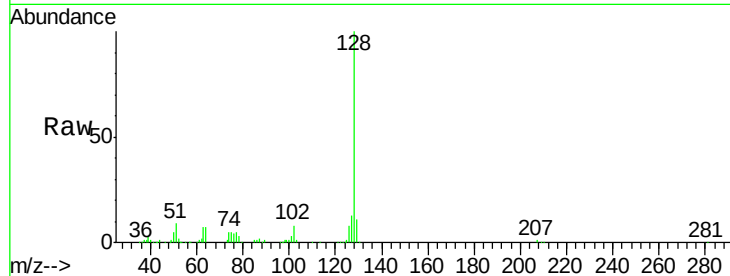
#95
Naphthalene
Concen: 18.206 ug/l
RT: 15.37 min Scan# 2209
Delta R.T. 0.00 min
Lab File: VW011841.D
Acq: 12 Aug 2019 10:32

Instrument :
MSVOA_W
ClientSampleId :
VW0812SBS02

Tot Ion	Ratio	Resp	Lower	Upper
128	100	109066		
127	13.1		10.6	16.0
129	11.4		8.6	13.0

Manual Integrations
APPROVED

MMDadoda
8/13/2019 4:32:17 PM



#96
1,2,3-Trichlorobenzene
Concen: 20.465 ug/l
RT: 15.56 min Scan# 2240
Delta R.T. -0.00 min
Lab File: VW011841.D
Acq: 12 Aug 2019 10:32

Tgt Ion	Ratio	Resp	Lower	Upper
180	100	59325		
182	95.9		47.4	142.2
145	32.5		15.9	47.7

