

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW052319\
 Data File : VW010526.D
 Acq On : 23 May 2019 13:32
 Operator : SY/VA
 Sample : VW0523SBS01
 Misc : 5.00G/5ML/MSVOA W/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0523SBS01

Manual Integrations
 APPROVED

MMDadoda
 5/24/2019 10:44:29 PM

Quant Time: May 24 08:51:45 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W052019S.M
 Quant Title : SW846 8260
 QLast Update : Tue May 21 06:38:43 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	145298	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	245388	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	214030	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	101921	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.31	65	72930	48.63	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.26%	
35) Dibromofluoromethane	7.88	113	78511	52.73	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.46%	
50) Toluene-d8	10.32	98	304922	53.61	ug/l	0.00
Spiked Amount	50.000		Recovery	=	107.22%	
62) 4-Bromofluorobenzene	12.62	95	114854	50.69	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.38%	

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	2.00	85	21473	16.401	ug/l 95
3) Chloromethane	2.21	50	24043	15.749	ug/l 99
4) Vinyl Chloride	2.35	62	28107	15.895	ug/l 98
5) Bromomethane	2.75	94	19936	16.388	ug/l 92
6) Chloroethane	2.91	64	18971	16.712	ug/l 99
7) Trichlorofluoromethane	3.25	101	51336	19.664	ug/l 99
8) Diethyl Ether	3.68	74	14279	17.254	ug/l 97
9) 1,1,2-Trichlorotrifluoroet	4.06	101	31800	19.779	ug/l 99
10) Methyl Iodide	4.27	142	29256	15.920	ug/l 98
11) Tert butyl alcohol	5.17	59	14855	110.120	ug/l # 91
12) 1,1-Dichloroethene	4.04	96	29456	19.193	ug/l 97
13) Acrolein	3.90	56	7929	86.259	ug/l 100
14) Allyl chloride	4.67	41	41235	18.562	ug/l 99
15) Acrylonitrile	5.37	53	27799	80.209	ug/l 100
16) Acetone	4.12	43	29387	95.996	ug/l 97
17) Carbon Disulfide	4.37	76	79888	17.452	ug/l 100
18) Methyl Acetate	4.67	43	13012	17.379	ug/l 98
19) Methyl tert-butyl Ether	5.43	73	70008	17.893	ug/l 99
20) Methylene Chloride	4.91	84	32020	14.195	ug/l 98
21) trans-1,2-Dichloroethene	5.42	96	34439	19.563	ug/l 94
22) Diisopropyl ether	6.31	45	83872	18.413	ug/l 95
23) Vinyl Acetate	6.25	43	236779	87.020	ug/l 99
24) 1,1-Dichloroethane	6.21	63	52771	19.413	ug/l 99
25) 2-Butanone	7.17	43	38796	88.556	ug/l 98
26) 2,2-Dichloropropane	7.17	77	57067	22.039	ug/l 97
27) cis-1,2-Dichloroethene	7.17	96	37674	19.685	ug/l 96
28) Bromochloromethane	7.51	49	18855	19.373	ug/l 95
29) Tetrahydrofuran	7.52	42	22440	75.696	ug/l 97
30) Chloroform	7.68	83	58024	19.789	ug/l 98
31) Cyclohexane	7.95	56	53448	18.771	ug/l 99
32) 1,1,1-Trichloroethane	7.87	97	55207	19.700	ug/l 97
36) 1,1-Dichloropropene	8.08	75	46933	20.531	ug/l 99
37) Ethyl Acetate	7.25	43	16851	17.335	ug/l 98
38) Carbon Tetrachloride	8.06	117	49920	20.244	ug/l 98

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Manual Integrations
 APPROVED

MMDadoda
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Quant Time: May 24 08:51:45 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W052019S.M
 Quant Title : SW846 8260
 QLast Update : Tue May 21 06:38:43 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.34	83	62904	20.540	ug/l	98
40) Benzene	8.32	78	127904	20.131	ug/l	99
41) Methacrylonitrile	7.48	41	9152	15.845	ug/l	98
42) 1,2-Dichloroethane	8.40	62	34776	19.151	ug/l	99
43) Isopropyl Acetate	8.42	43	32598	16.786	ug/l	98
44) Trichloroethene	9.09	130	38298	20.304	ug/l	98
45) 1,2-Dichloropropane	9.37	63	29832	19.770	ug/l	97
46) Dibromomethane	9.46	93	16657	18.875	ug/l	97
47) Bromodichloromethane	9.65	83	42602	19.211	ug/l	98
48) Methyl methacrylate	9.43	41	14453	16.268	ug/l	95
49) 1,4-Dioxane	9.45	88	4612	319.929	ug/l	98
51) 4-Methyl-2-Pentanone	10.21	43	82193	83.525	ug/l	100
52) Toluene	10.39	92	87314	20.463	ug/l	98
53) t-1,3-Dichloropropene	10.60	75	41292	18.385	ug/l	96
54) cis-1,3-Dichloropropene	10.07	75	49770	19.403	ug/l	100
55) 1,1,2-Trichloroethane	10.79	97	23921	18.850	ug/l	99
56) Ethyl methacrylate	10.65	69	29094	16.624	ug/l	99
57) 1,3-Dichloropropane	10.93	76	40052	18.842	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.92	63	68206	87.985	ug/l	98
59) 2-Hexanone	10.97	43	55888	79.615	ug/l	99
60) Dibromochloromethane	11.13	129	29878	18.603	ug/l	99
61) 1,2-Dibromoethane	11.24	107	24237	18.854	ug/l	99
64) Tetrachloroethene	10.86	164	30478	20.428	ug/l	97
65) Chlorobenzene	11.66	112	93932	20.592	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.73	131	33324	20.394	ug/l	99
67) Ethyl Benzene	11.73	91	166491	20.673	ug/l	100
68) m/p-Xylenes	11.84	106	131516	41.634	ug/l	99
69) o-Xylene	12.17	106	61402	20.516	ug/l	100
70) Styrene	12.18	104	102723	20.229	ug/l	99
71) Bromoform	12.35	173	15528	17.257	ug/l #	100
73) Isopropylbenzene	12.46	105	169159	20.915	ug/l	100
74) N-amyl acetate	12.27	43	29926	16.147	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.71	83	26098	17.741	ug/l	98
76) 1,2,3-Trichloropropane	12.77	75	18547m	17.927	ug/l	
77) Bromobenzene	12.75	156	37621	20.786	ug/l	98
78) n-propylbenzene	12.80	91	192921	20.468	ug/l	100
79) 2-Chlorotoluene	12.90	91	112258	20.538	ug/l	99
80) 1,3,5-Trimethylbenzene	12.94	105	142283	20.772	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.51	75	7836	15.808	ug/l	94
82) 4-Chlorotoluene	12.99	91	116939	20.612	ug/l	100
83) tert-Butylbenzene	13.21	119	123085	20.571	ug/l	99
84) 1,2,4-Trimethylbenzene	13.26	105	140670	20.619	ug/l	100
85) sec-Butylbenzene	13.38	105	173156	20.679	ug/l	99
86) p-Isopropyltoluene	13.50	119	157202	20.742	ug/l	99
87) 1,3-Dichlorobenzene	13.50	146	73178	20.608	ug/l	98
88) 1,4-Dichlorobenzene	13.58	146	72541	20.361	ug/l	97
89) n-Butylbenzene	13.83	91	147678	20.485	ug/l	99
90) Hexachloroethane	14.10	117	29427	20.060	ug/l	98
91) 1,2-Dichlorobenzene	13.87	146	65247	20.166	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.49	75	4562	16.678	ug/l	94

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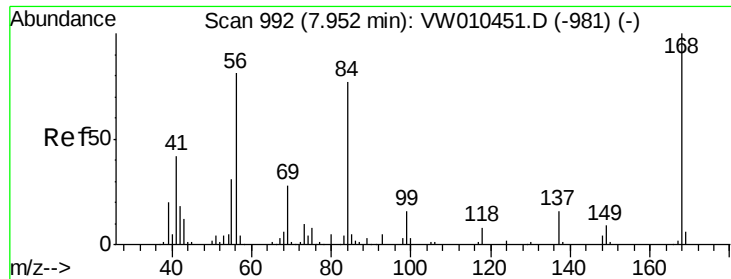
Manual Integrations
APPROVED

MMDadoda
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Quant Title : SW846 8260
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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.14	180	44237	20.095	ug/l	99
94) Hexachlorobutadiene	15.24	225	24464	20.802	ug/l	99
95) Naphthalene	15.37	128	81675	17.675	ug/l	99
96) 1,2,3-Trichlorobenzene	15.56	180	37784	19.947	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. -0.01 min

Lab File: VW010526.D

Acq: 23 May 2019 13:32

Instrument :

MSVOA_W

ClientSampleId :

VW0523SBS01

Tot Ion:168 Resp: 145298

Ion Ratio Lower Upper

168 100

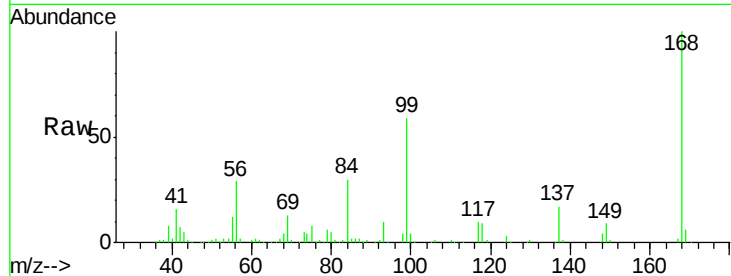
99 59.4 46.1 69.1

Manual Integrations

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5/24/2019 10:44:29 PM



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW

7.95

60000

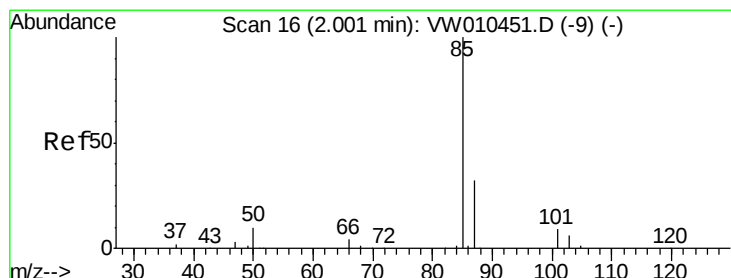
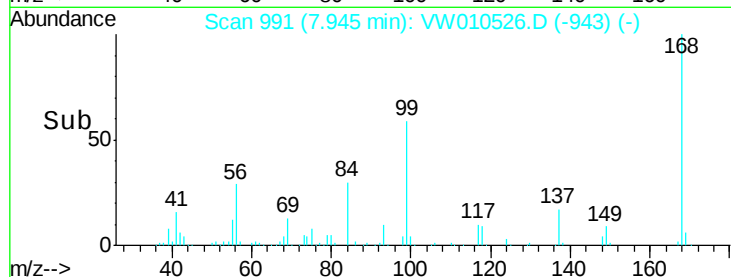
40000

20000

0

7.90 8.00

Time-->



#2

Dichlorodifluoromethane

Concen: 16.401 ug/l

RT: 2.00 min Scan# 15

Delta R.T. -0.01 min

Lab File: VW010526.D

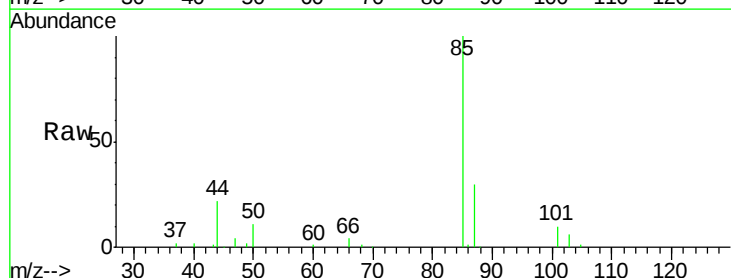
Acq: 23 May 2019 13:32

Tgt Ion: 85 Resp: 21473

Ion Ratio Lower Upper

85 100

87 29.8 16.3 48.8



Abundance Ion 84.90 (84.60 to 85.60): VW

Ion 86.90 (86.60 to 87.60): VW

2.00

15000

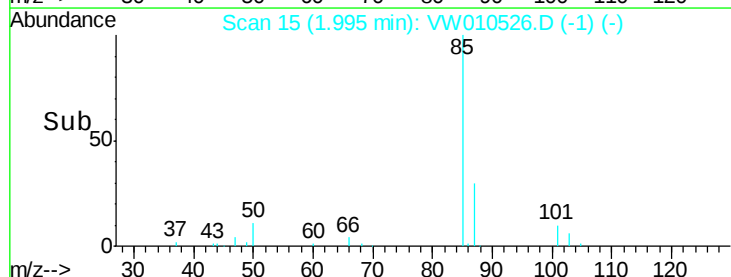
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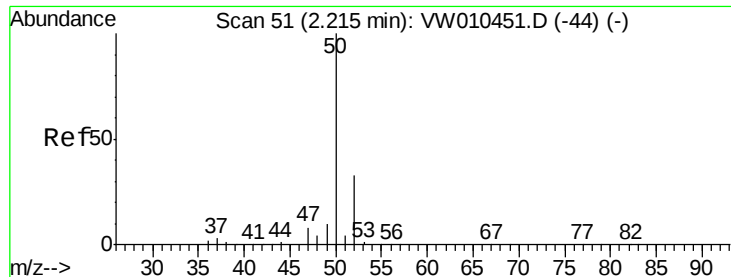
5000

0

1.90 1.95 2.00 2.05 2.10

Time-->





#3

Chloromethane

Concen: 15.749 ug/l

RT: 2.21 min Scan# 50

Delta R.T. -0.01 min

Lab File: VW010526.D

Acq: 23 May 2019 13:32

Instrument :

MSVOA_W

ClientSampleId :

VW0523SBS01

Tot Ion: 50 Resp: 24043

Ion Ratio Lower Upper

50 100

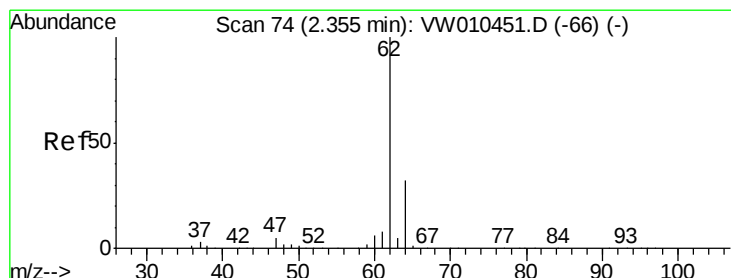
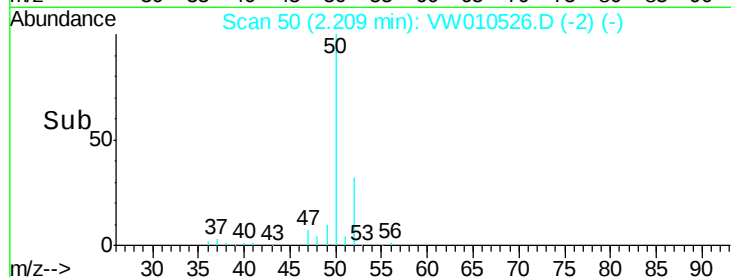
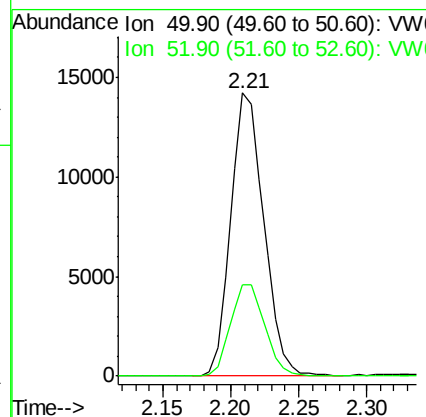
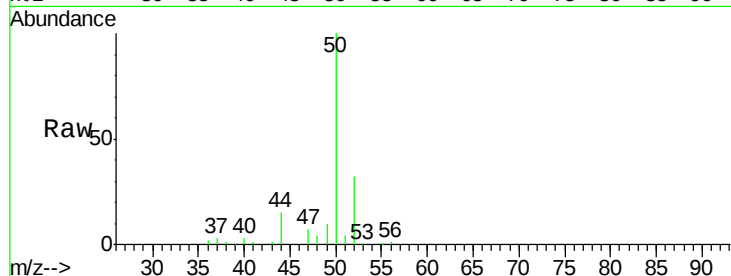
52 32.1 26.3 39.5

Manual Integrations

APPROVED

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#4

Vinyl Chloride

Concen: 15.895 ug/l

RT: 2.35 min Scan# 74

Delta R.T. -0.00 min

Lab File: VW010526.D

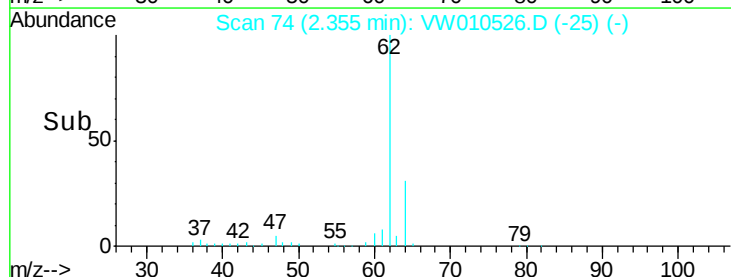
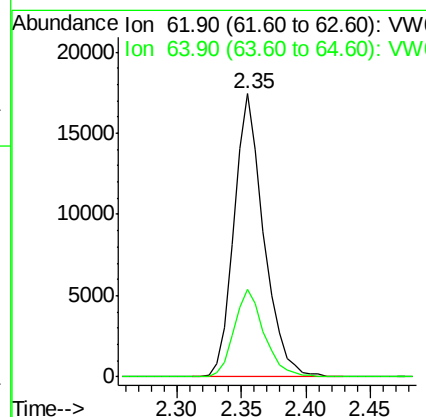
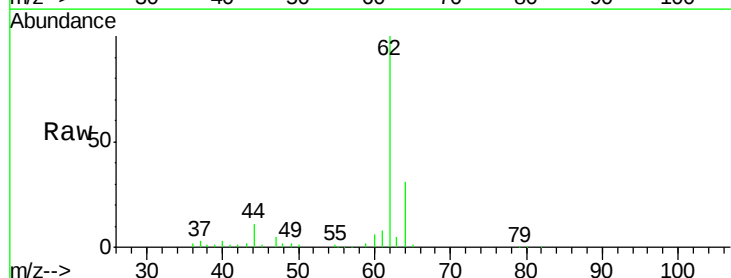
Acq: 23 May 2019 13:32

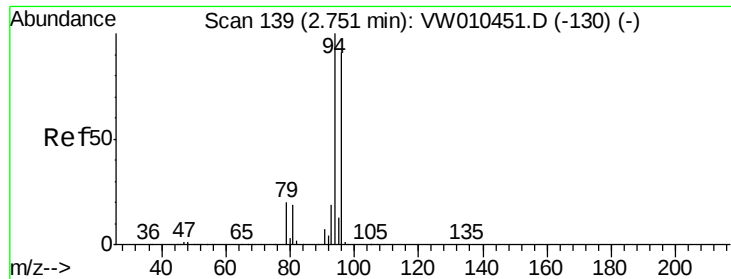
Tgt Ion: 62 Resp: 28107

Ion Ratio Lower Upper

62 100

64 31.0 25.8 38.8





#5

Bromomethane

Concen: 16.388 ug/l

RT: 2.75 min Scan# 139

Delta R.T. -0.00 min

Lab File: VW010526.D

Acq: 23 May 2019 13:32

Instrument :

MSVOA_W

ClientSampleId :

VW0523SBS01

Tot Ion: 94 Resp: 19936

Ion Ratio Lower Upper

94 100

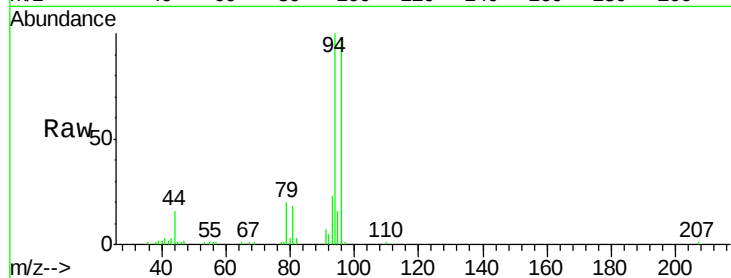
96 98.4 72.9 109.3

Manual Integrations

APPROVED

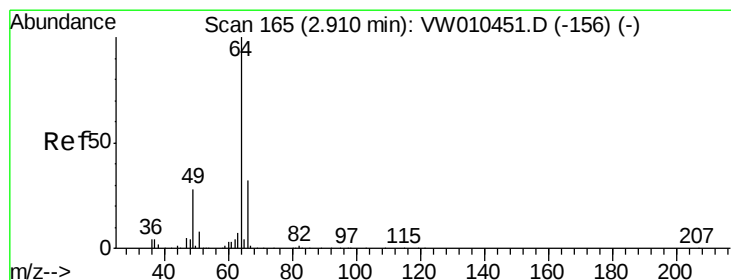
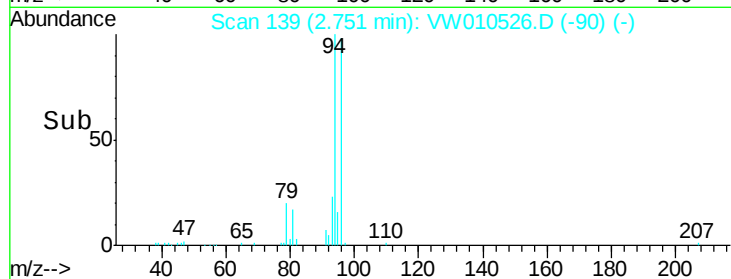
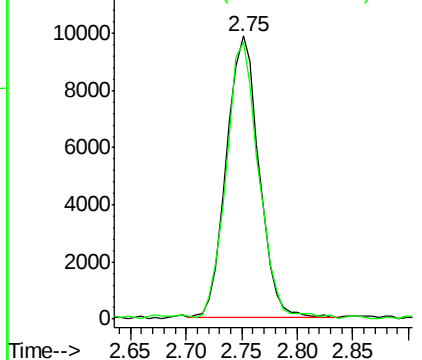
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5/24/2019 10:44:29 PM



Abundance Ion 93.90 (93.60 to 94.60): VW

Ion 95.90 (95.60 to 96.60): VW



#6

Chloroethane

Concen: 16.712 ug/l

RT: 2.91 min Scan# 165

Delta R.T. -0.00 min

Lab File: VW010526.D

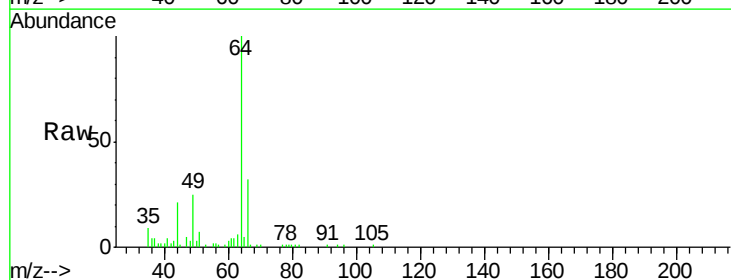
Acq: 23 May 2019 13:32

Tgt Ion: 64 Resp: 18971

Ion Ratio Lower Upper

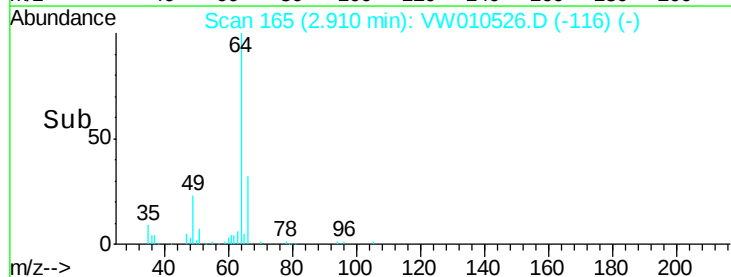
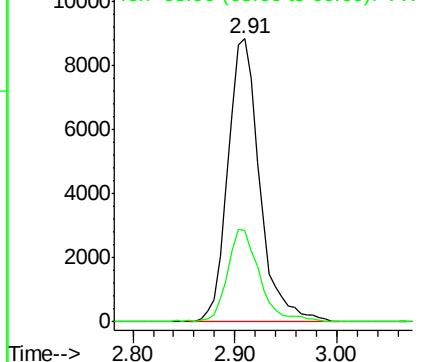
64 100

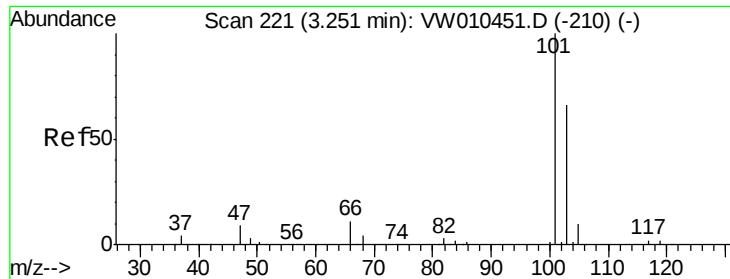
66 32.3 25.5 38.3



Abundance Ion 63.90 (63.60 to 64.60): VW

Ion 65.90 (65.60 to 66.60): VW





#7

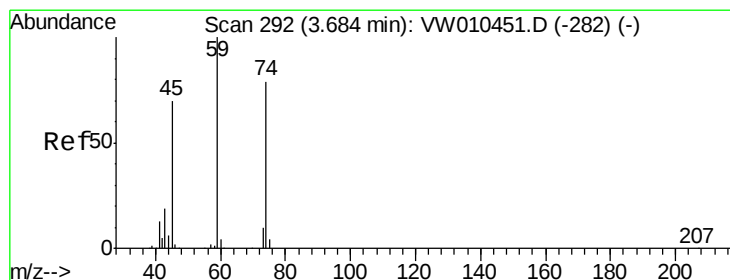
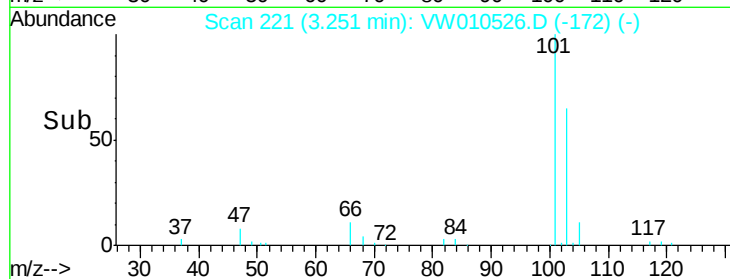
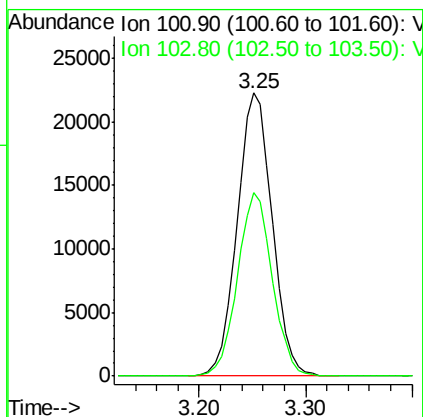
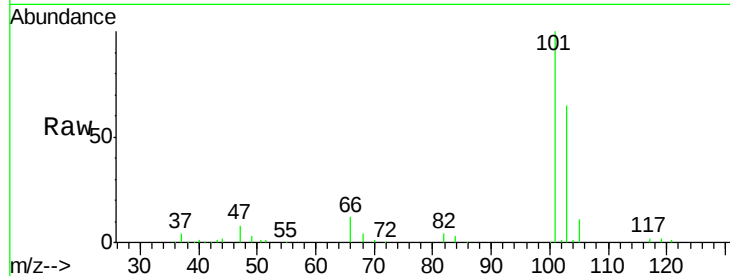
Trichlorofluoromethane
Concen: 19.664 ug/l
RT: 3.25 min Scan# 221
Delta R.T. -0.00 min
Lab File: VW010526.D
Acq: 23 May 2019 13:32

Instrument :
MSVOA_W
ClientSampleId :
VW0523SBS01

Tot Ion:101 Resp: 51336
Ion Ratio Lower Upper
101 100
103 65.0 53.0 79.4

Manual Integrations
APPROVED

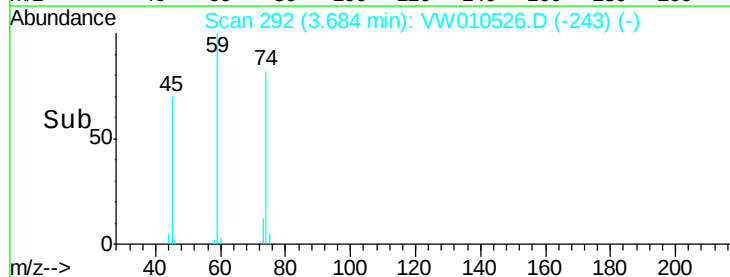
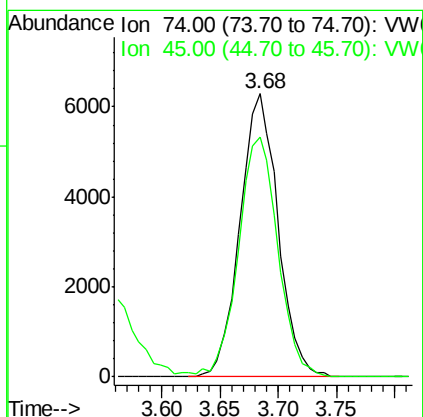
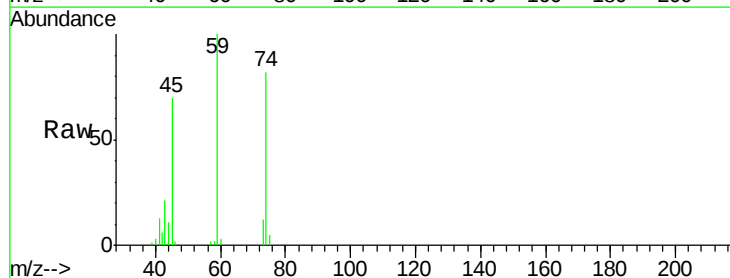
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5/24/2019 10:44:29 PM

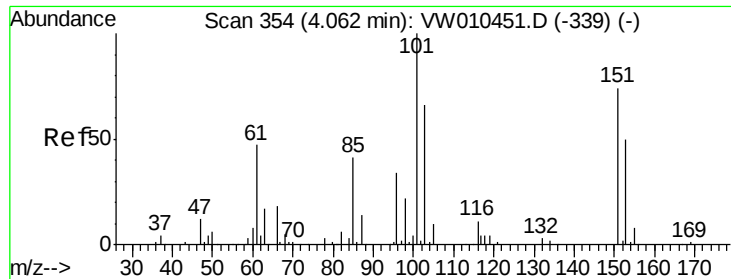


#8

Diethyl Ether
Concen: 17.254 ug/l
RT: 3.68 min Scan# 292
Delta R.T. -0.00 min
Lab File: VW010526.D
Acq: 23 May 2019 13:32

Tgt Ion: 74 Resp: 14279
Ion Ratio Lower Upper
74 100
45 88.3 42.9 128.5





#9

1,1,2-Trichlorotrifluoroethane

Concen: 19.779 ug/l

RT: 4.06 min Scan# 353

Delta R.T. -0.01 min

Lab File: VW010526.D

Acq: 23 May 2019 13:32

Instrument :

MSVOA_W

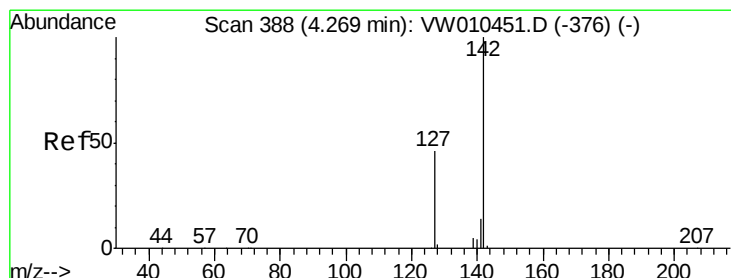
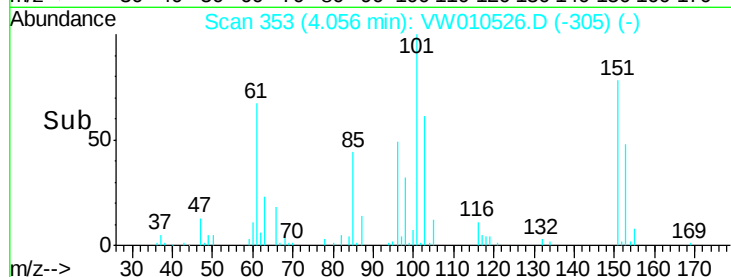
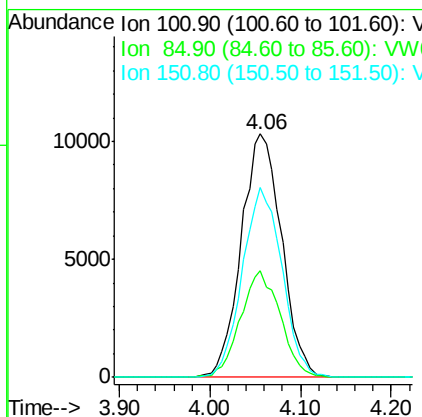
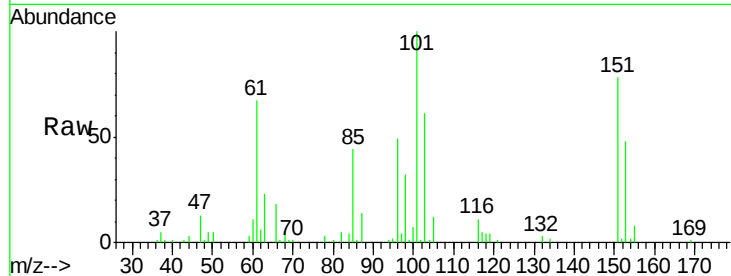
ClientSampleId :

VW0523SBS01

Tot Ion:	101	Resp:	31800
Ion Ratio	Lower	Upper	
101	100		
85	43.1	34.3	51.5
151	76.4	60.3	90.5

Manual Integrations
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#10

Methyl Iodide

Concen: 15.920 ug/l

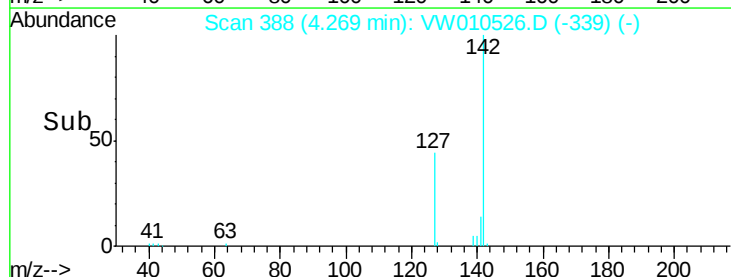
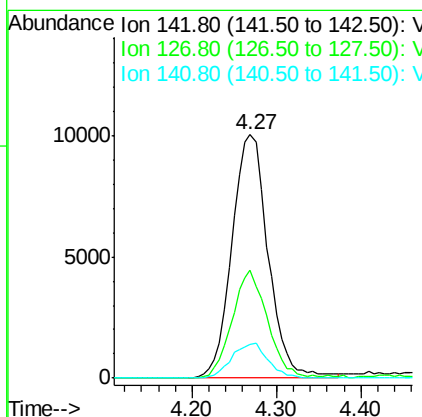
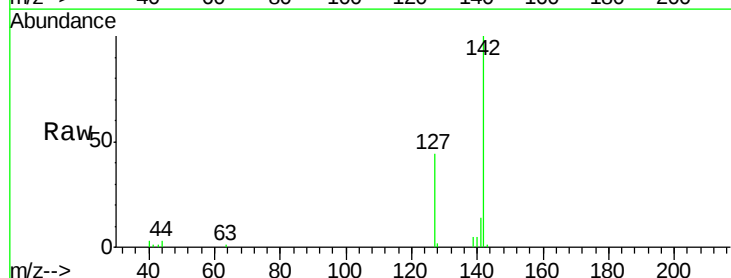
RT: 4.27 min Scan# 388

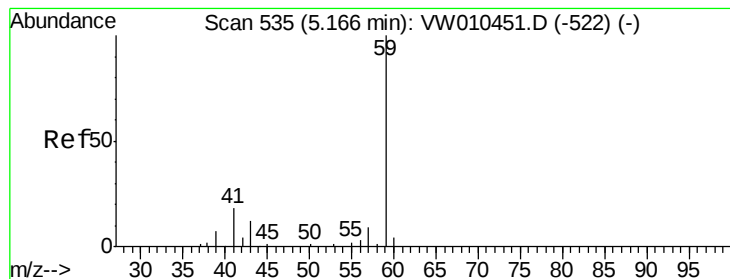
Delta R.T. -0.00 min

Lab File: VW010526.D

Acq: 23 May 2019 13:32

Tgt Ion:	142	Resp:	29256
Ion Ratio	Lower	Upper	
142	100		
127	43.2	36.1	54.1
141	14.3	11.3	16.9





#11

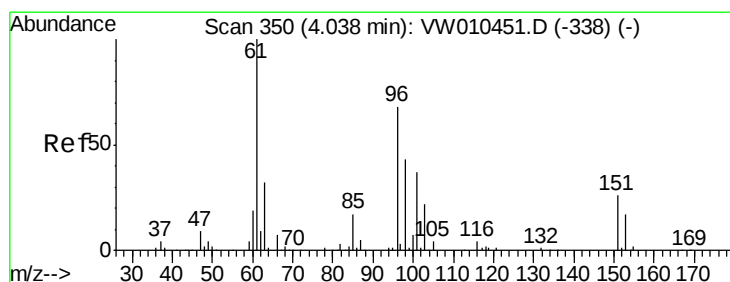
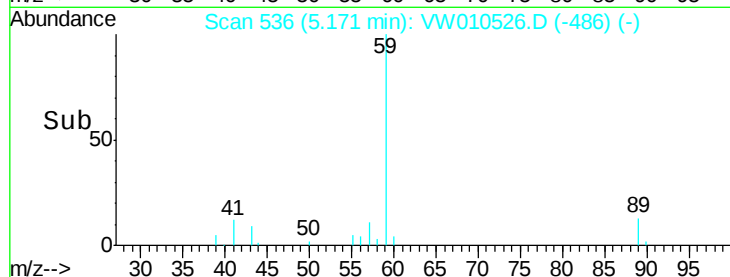
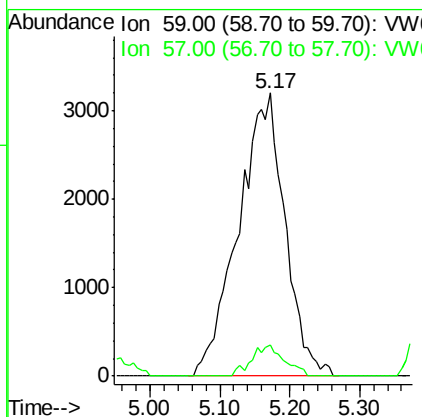
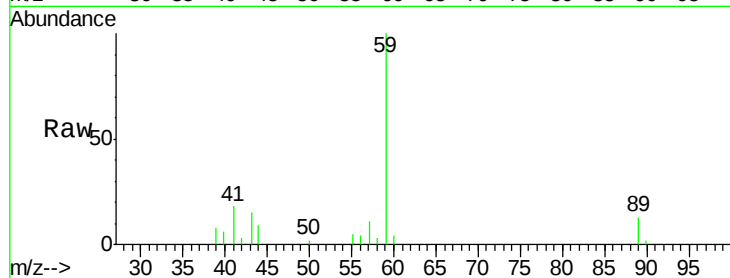
Tert butyl alcohol
 Concen: 110.120 ug/l
 RT: 5.17 min Scan# 536
 Delta R.T. 0.01 min
 Lab File: VW010526.D
 Acq: 23 May 2019 13:32

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0523SBS01

Tot Ion	Ion	Ratio	Resp	Lower	Upper
59	59	100	14855		
57	57	7.7		8.8	13.2#

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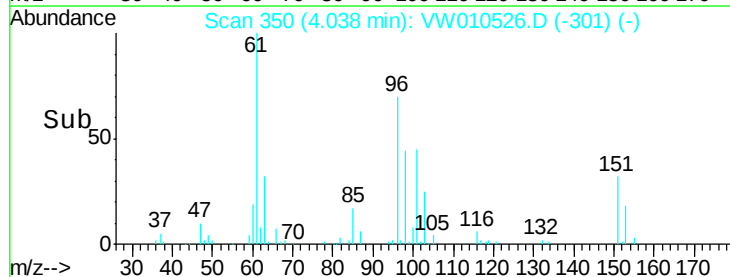
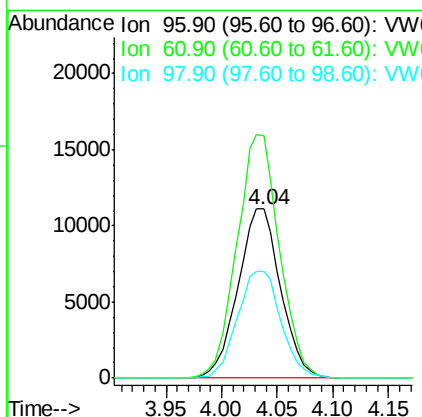
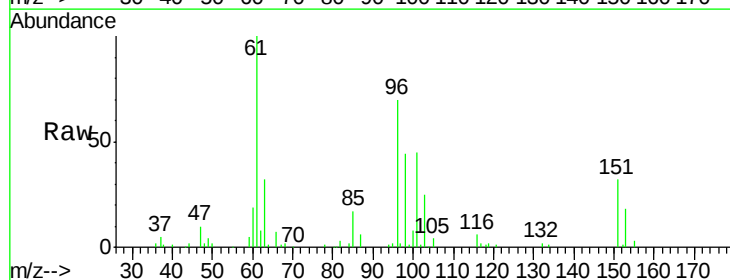
MMDadoda
 5/24/2019 10:44:29 PM

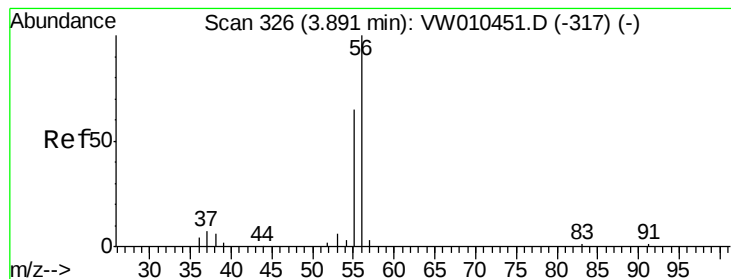


#12

1,1-Dichloroethene
 Concen: 19.193 ug/l
 RT: 4.04 min Scan# 350
 Delta R.T. -0.00 min
 Lab File: VW010526.D
 Acq: 23 May 2019 13:32

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
96	96	100	29456		
61	61	142.9		118.3	177.5
98	98	62.9		51.0	76.6





#13

Acrolein

Concen: 86.259 ug/l

RT: 3.90 min Scan# 327

Delta R.T. 0.01 min

Lab File: VW010526.D

Acq: 23 May 2019 13:32

Instrument :

MSVOA_W

ClientSampleId :

VW0523SBS01

Tot Ion: 56 Resp: 7929

Ion Ratio Lower Upper

56 100

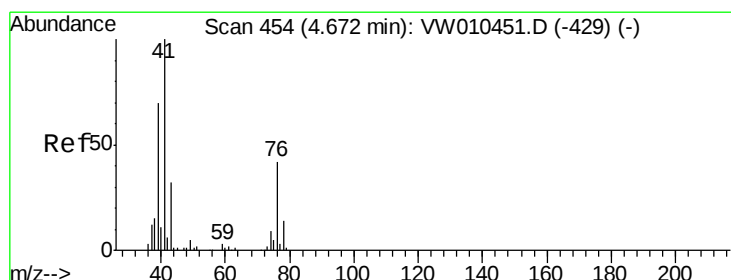
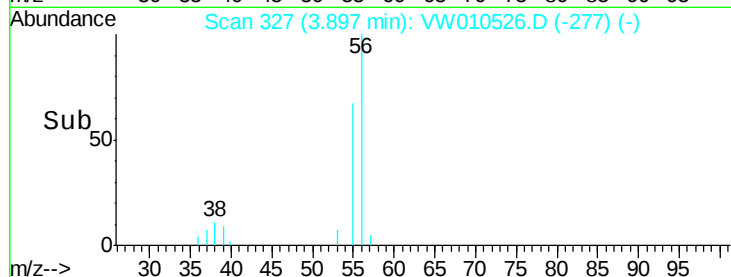
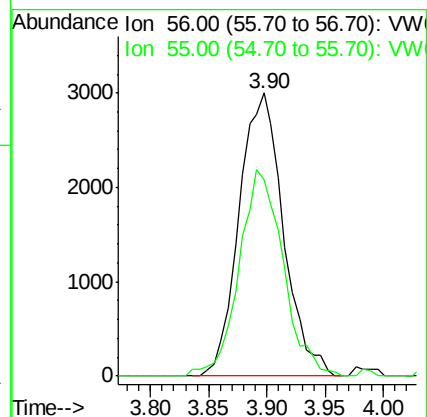
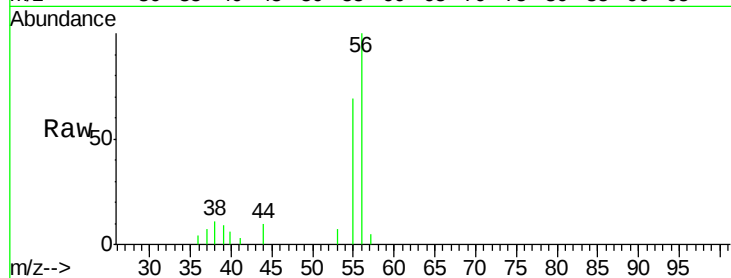
55 72.5 57.9 86.9

Manual Integrations

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#14

Allyl chloride

Concen: 18.562 ug/l

RT: 4.67 min Scan# 454

Delta R.T. -0.00 min

Lab File: VW010526.D

Acq: 23 May 2019 13:32

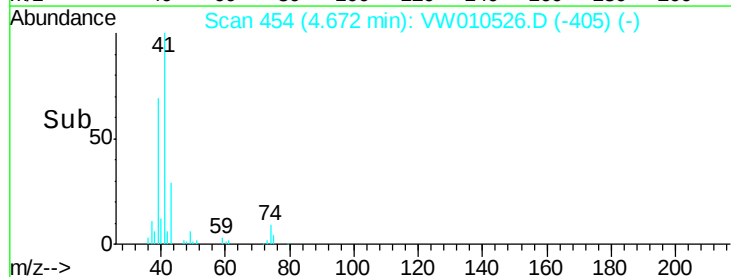
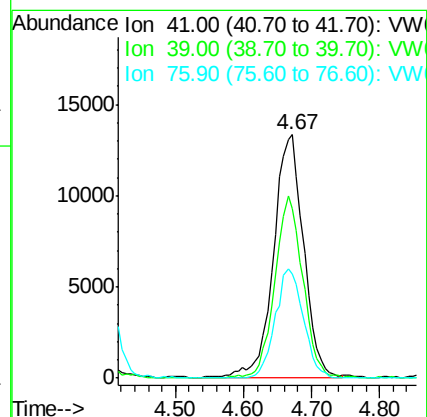
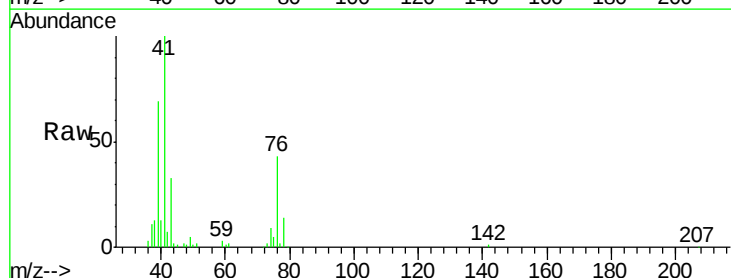
Tgt Ion: 41 Resp: 41235

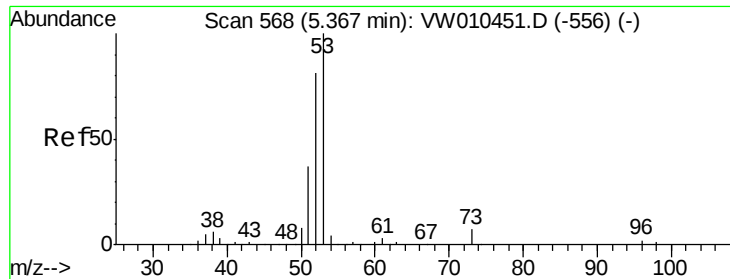
Ion Ratio Lower Upper

41 100

39 69.5 55.0 82.4

76 41.6 32.8 49.2





#15

Acrylonitrile

Concen: 80.209 ug/l

RT: 5.37 min Scan# 568

Delta R.T. -0.00 min

Lab File: VW010526.D

Acq: 23 May 2019 13:32

Instrument :

MSVOA_W

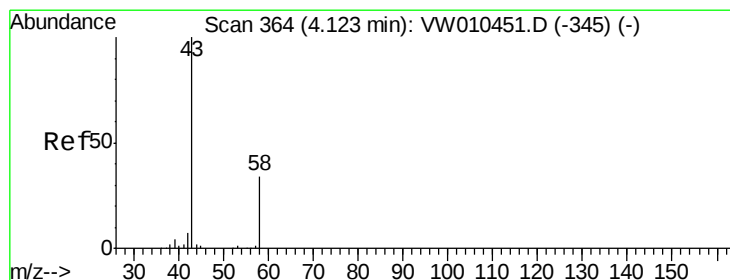
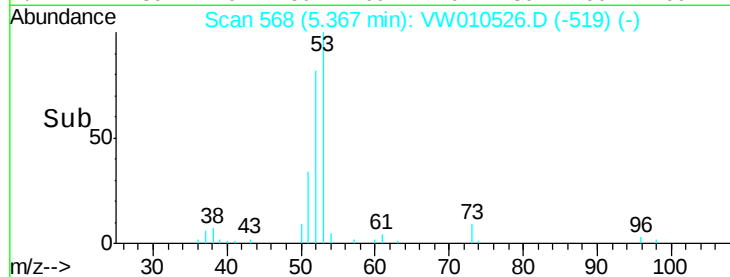
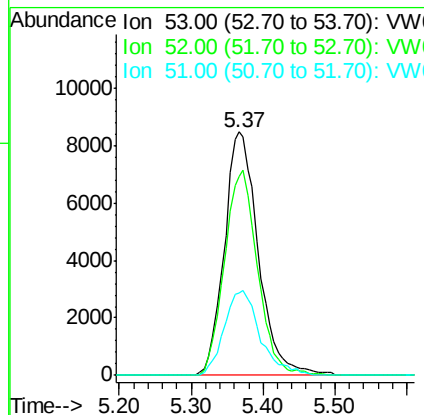
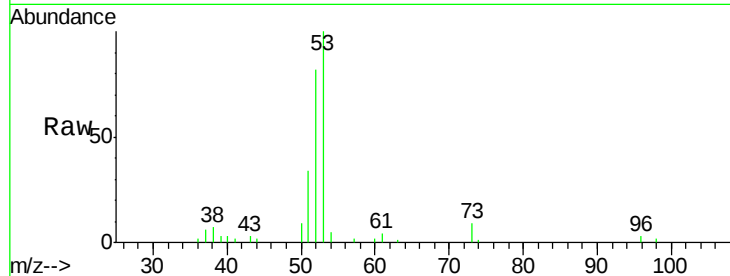
ClientSampleId :

VW0523SBS01

Tot Ion:	53	Resp:	27799
Ion	Ratio	Lower	Upper
53	100		
52	82.1	65.6	98.4
51	36.7	29.5	44.3

Manual Integrations
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#16

Acetone

Concen: 95.996 ug/l

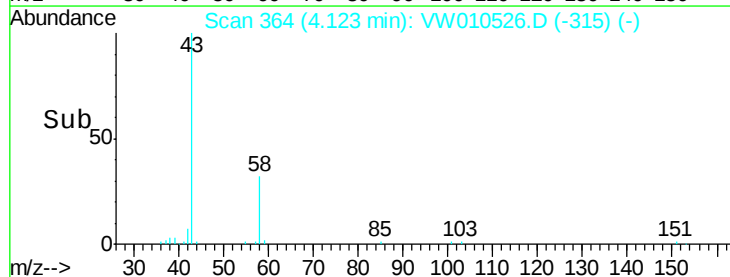
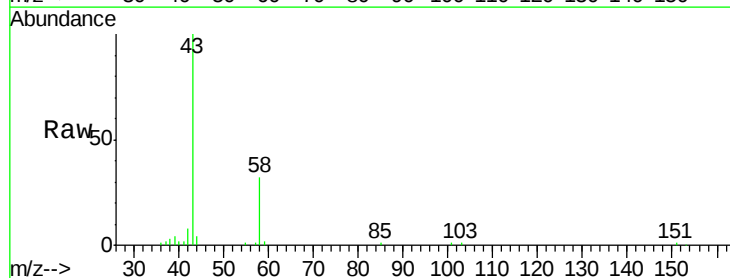
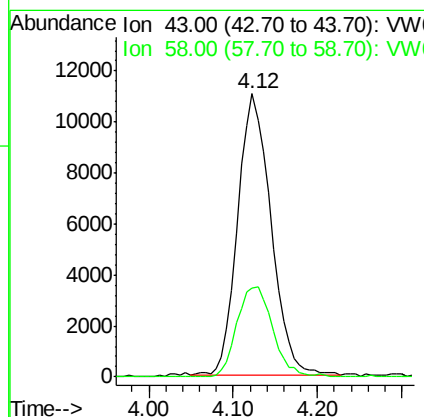
RT: 4.12 min Scan# 364

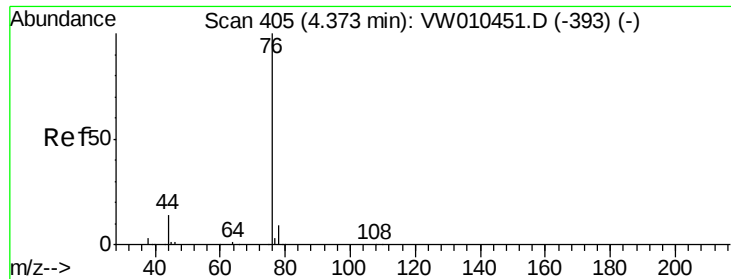
Delta R.T. -0.00 min

Lab File: VW010526.D

Acq: 23 May 2019 13:32

Tgt Ion:	43	Resp:	29387
Ion	Ratio	Lower	Upper
43	100		
58	31.8	27.0	40.4





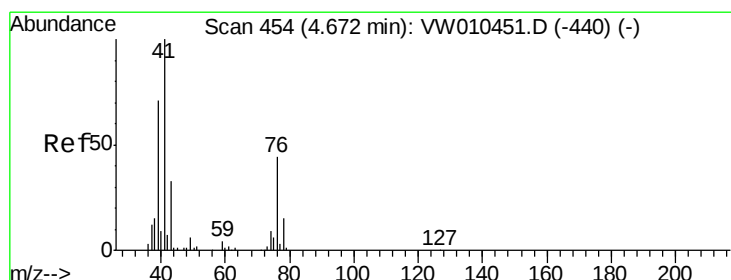
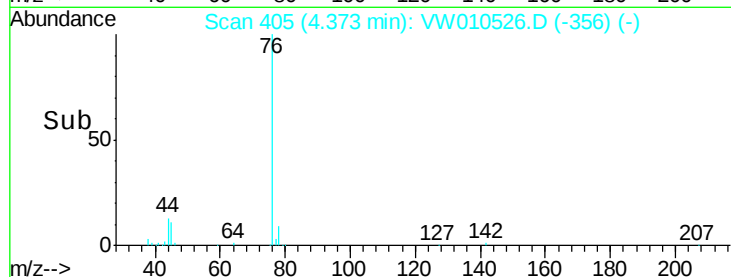
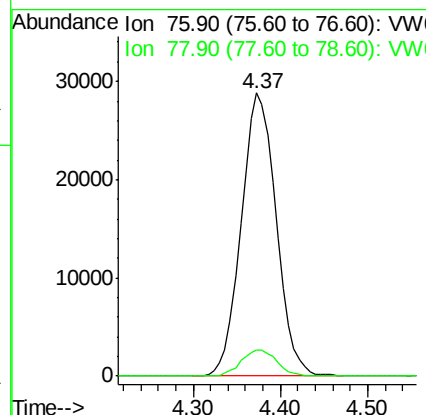
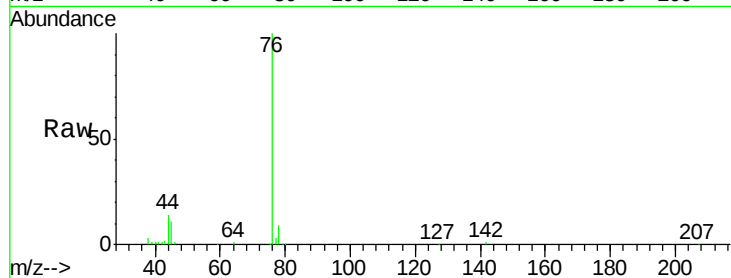
#17
Carbon Disulfide
Concen: 17.452 ug/l
RT: 4.37 min Scan# 405
Delta R.T. -0.00 min
Lab File: VW010526.D
Acq: 23 May 2019 13:32

Instrument :
MSVOA_W
ClientSampleId :
VW0523SBS01

Tot Ion	Ratio	Lower	Upper
76	100		
78	9.0	7.1	10.7

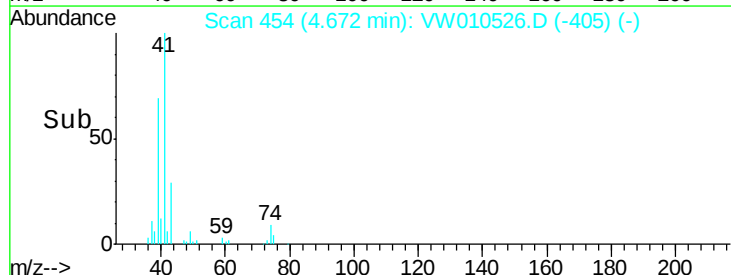
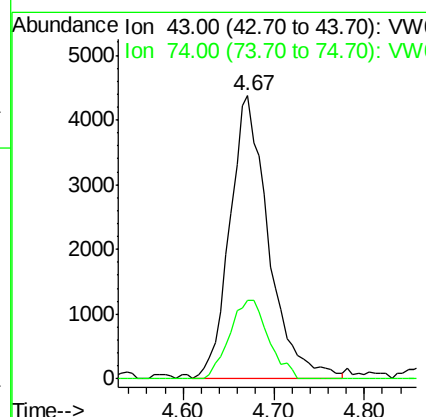
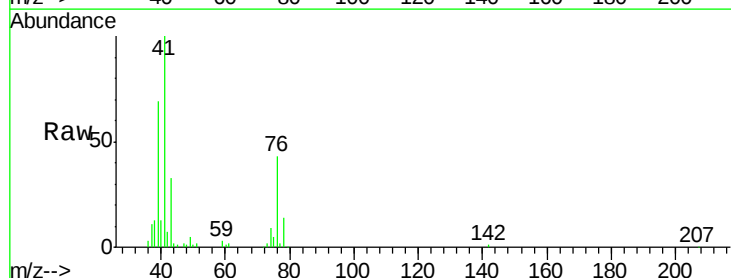
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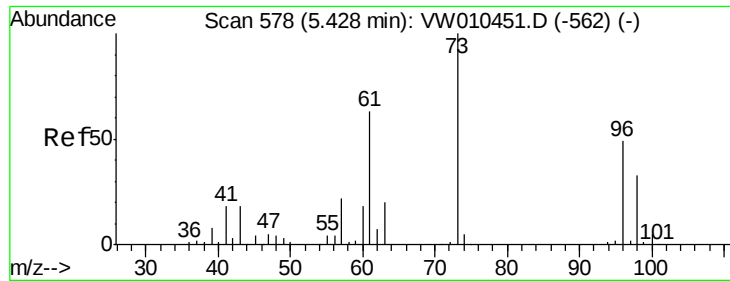
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#18
Methyl Acetate
Concen: 17.379 ug/l
RT: 4.67 min Scan# 454
Delta R.T. -0.00 min
Lab File: VW010526.D
Acq: 23 May 2019 13:32

Tgt Ion	Ratio	Lower	Upper
43	100		
74	27.8	21.6	32.4





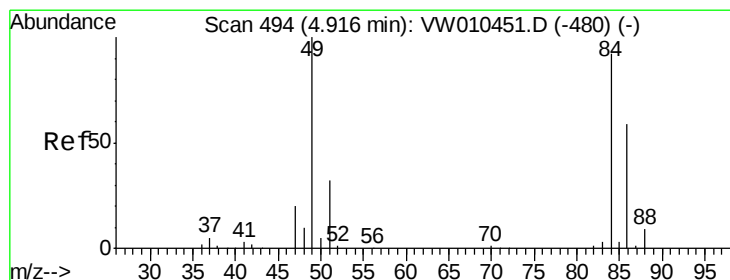
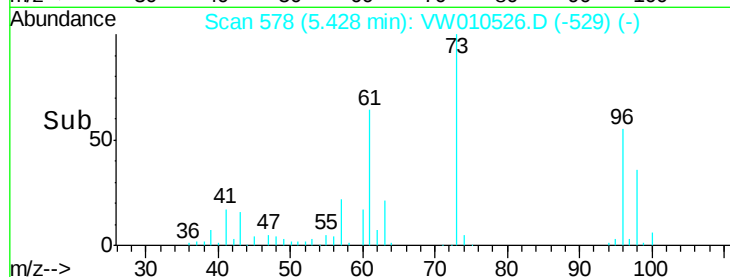
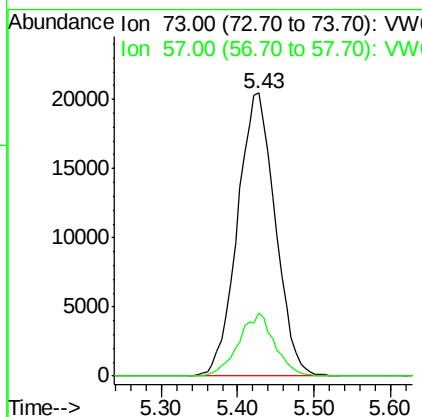
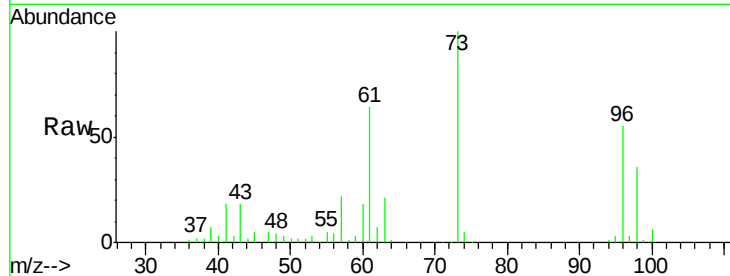
#19
Methyl tert-butyl Ether
Concen: 17.893 ug/l
RT: 5.43 min Scan# 578
Delta R.T. -0.00 min
Lab File: VW010526.D
Acq: 23 May 2019 13:32

Instrument :
MSVOA_W
ClientSampleId :
VW0523SBS01

Tot Ion: 73 Resp: 70008
Ion Ratio Lower Upper
73 100
57 22.4 17.4 26.0

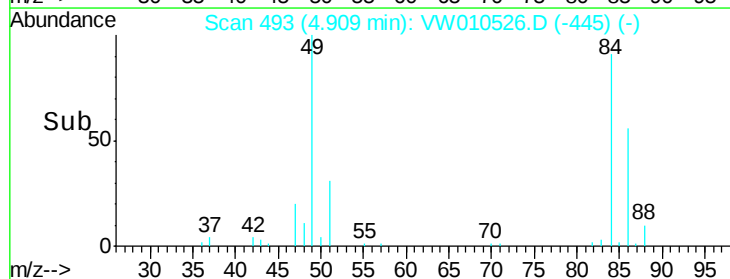
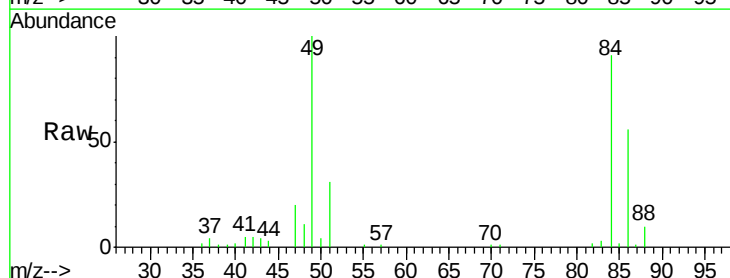
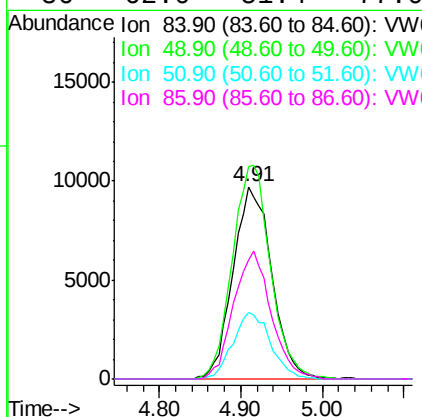
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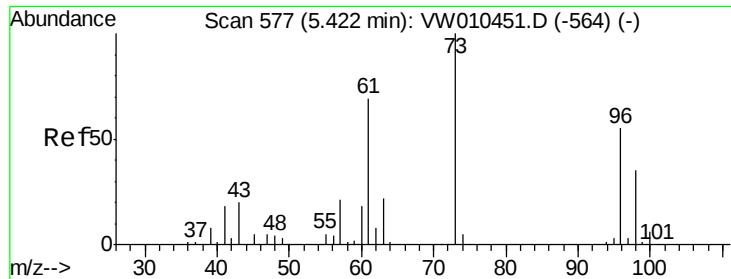
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#20
Methylene Chloride
Concen: 14.195 ug/l
RT: 4.91 min Scan# 493
Delta R.T. -0.01 min
Lab File: VW010526.D
Acq: 23 May 2019 13:32

Tgt Ion: 84 Resp: 32020
Ion Ratio Lower Upper
84 100
49 110.5 87.2 130.8
51 34.5 27.7 41.5
86 62.0 51.4 77.0





#21

trans-1,2-Dichloroethene

Concen: 19.563 ug/l

RT: 5.42 min Scan# 576

Delta R.T. -0.01 min

Lab File: VW010526.D

Acq: 23 May 2019 13:32

Instrument :

MSVOA_W

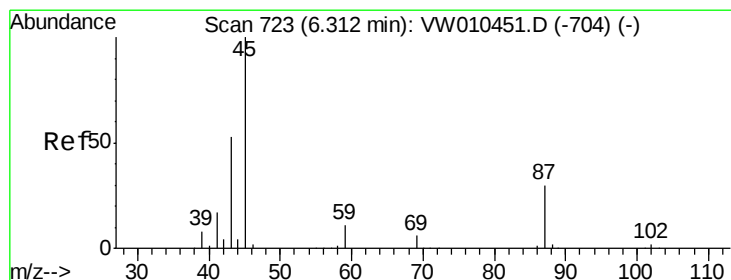
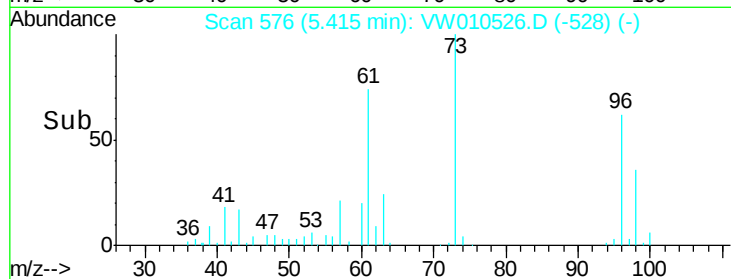
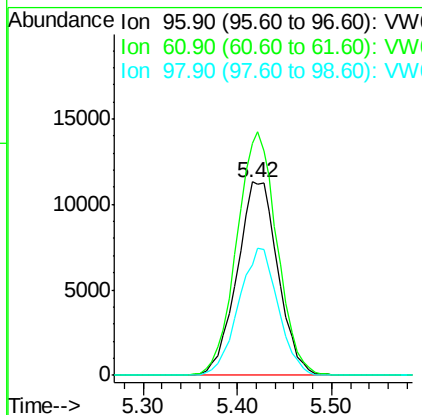
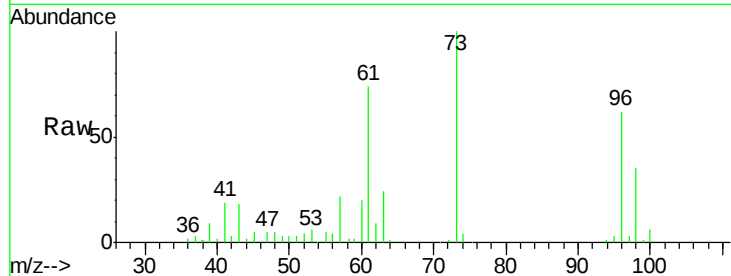
ClientSampleId :

VW0523SBS01

Tot Ion:	96	Resp:	34439
Ion	Ratio	Lower	Upper
96	100		
61	120.0	101.4	152.0
98	57.5	50.6	76.0

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#22

Diisopropyl ether

Concen: 18.413 ug/l

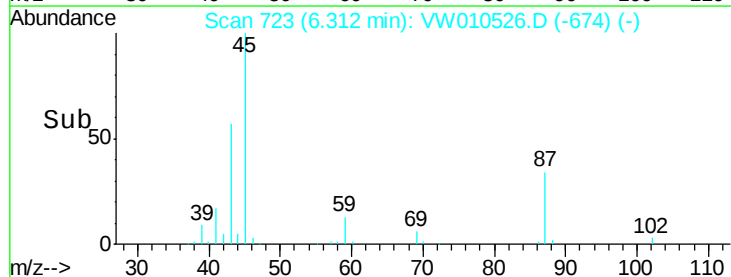
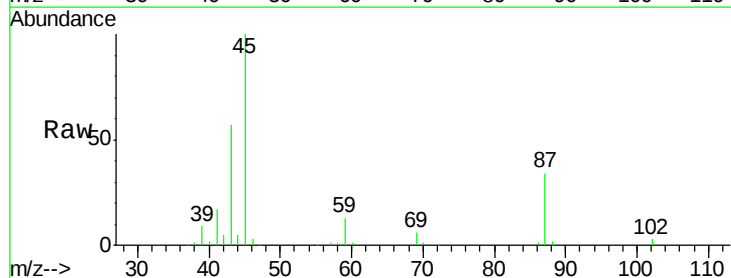
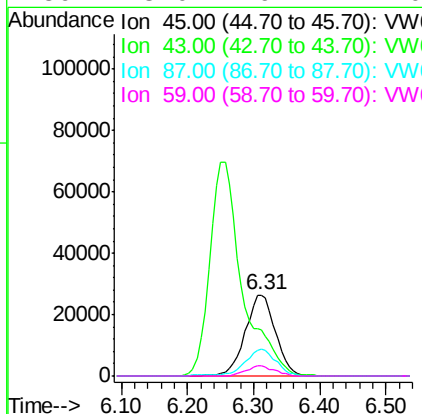
RT: 6.31 min Scan# 723

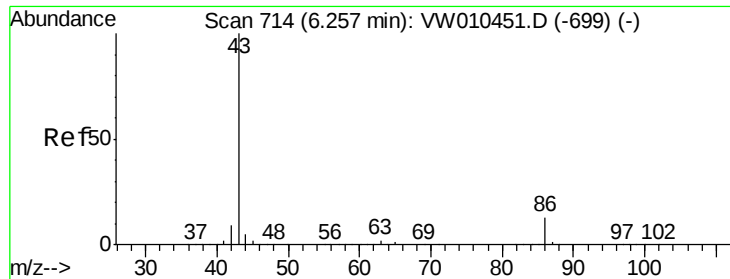
Delta R.T. -0.00 min

Lab File: VW010526.D

Acq: 23 May 2019 13:32

Tgt Ion:	45	Resp:	83872
Ion	Ratio	Lower	Upper
45	100		
43	56.3	42.9	64.3
87	34.1	24.6	36.8
59	13.0	9.4	14.0





#23

Vinyl Acetate

Concen: 87.020 ug/l

RT: 6.25 min Scan# 713

Delta R.T. -0.01 min

Lab File: VW010526.D

Acq: 23 May 2019 13:32

Instrument :

MSVOA_W

ClientSampleId :

VW0523SBS01

Tot Ion: 43 Resp: 236779

Ion Ratio Lower Upper

43 100

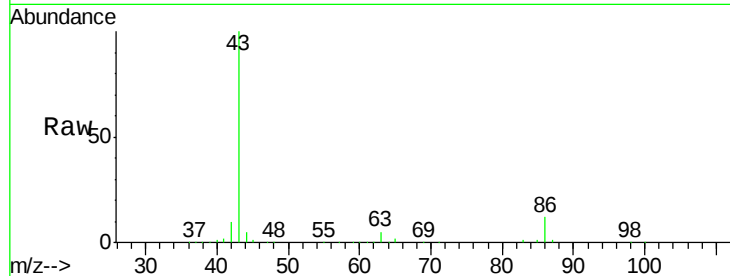
86 12.4 10.3 15.5

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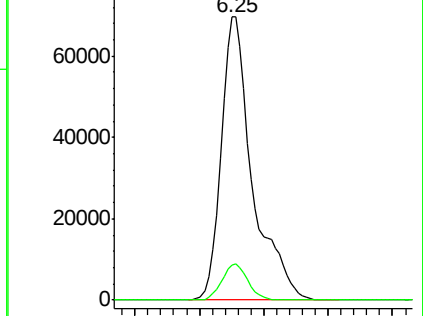
MMDadoda

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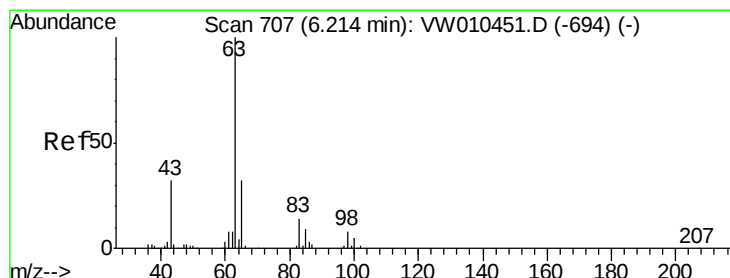
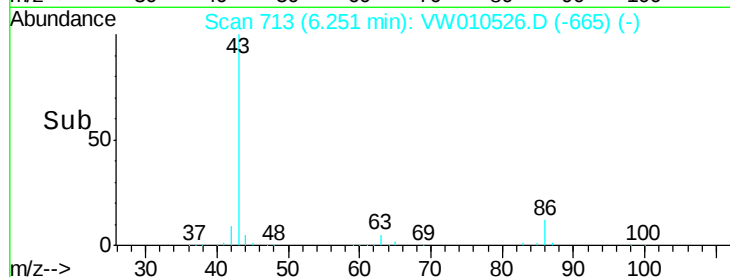


Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 86.00 (85.70 to 86.70): VW



Time-->



#24

1,1-Dichloroethane

Concen: 19.413 ug/l

RT: 6.21 min Scan# 707

Delta R.T. -0.00 min

Lab File: VW010526.D

Acq: 23 May 2019 13:32

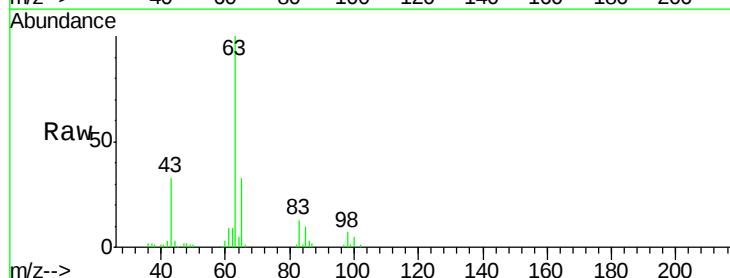
Tgt Ion: 63 Resp: 52771

Ion Ratio Lower Upper

63 100

98 6.8 3.8 11.2

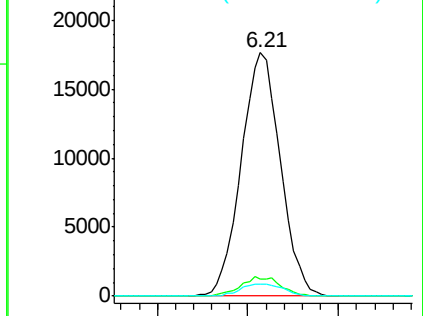
100 5.0 2.5 7.4



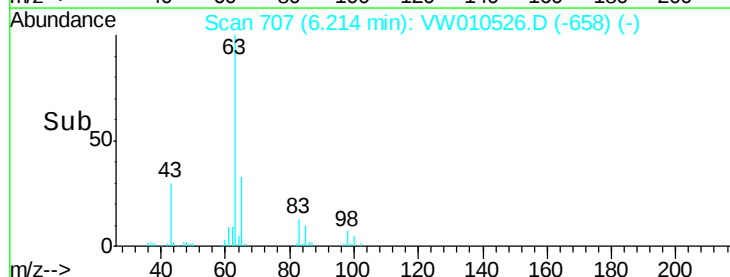
Abundance Ion 62.90 (62.60 to 63.60): VW

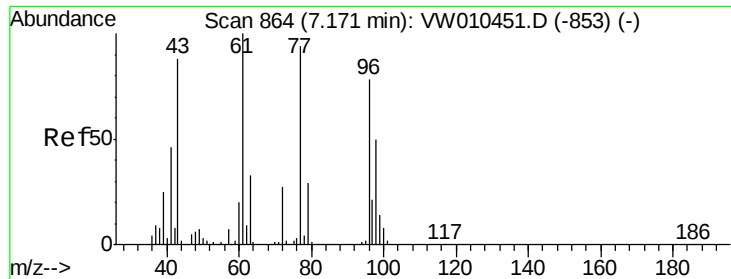
Ion 97.90 (97.60 to 98.60): VW

Ion 99.90 (99.60 to 100.60): VW



Time-->





#25

2-Butanone

Concen: 88.556 ug/l

RT: 7.17 min Scan# 864

Delta R.T. -0.00 min

Lab File: VW010526.D

Acq: 23 May 2019 13:32

Instrument :

MSVOA_W

ClientSampleId :

VW0523SBS01

Tot Ion: 43 Resp: 38796

Ion Ratio Lower Upper

43 100

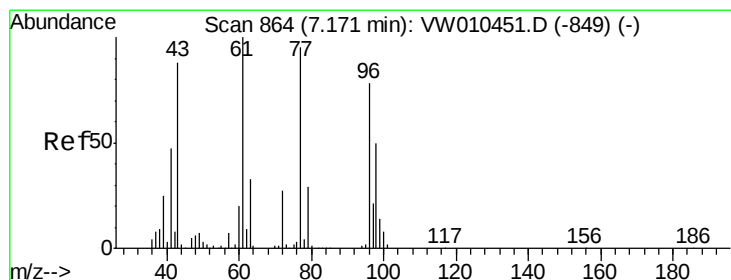
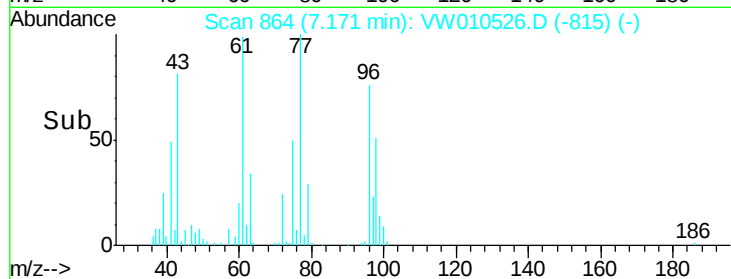
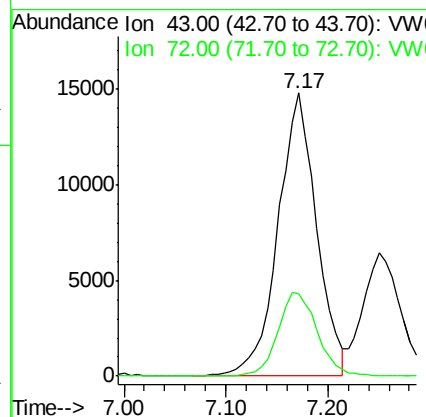
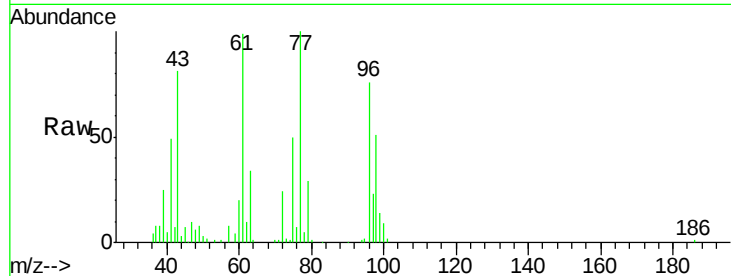
72 29.2 24.1 36.1

Manual Integrations

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MMDadoda

5/24/2019 10:44:29 PM



#26

2,2-Dichloropropane

Concen: 22.039 ug/l

RT: 7.17 min Scan# 864

Delta R.T. -0.00 min

Lab File: VW010526.D

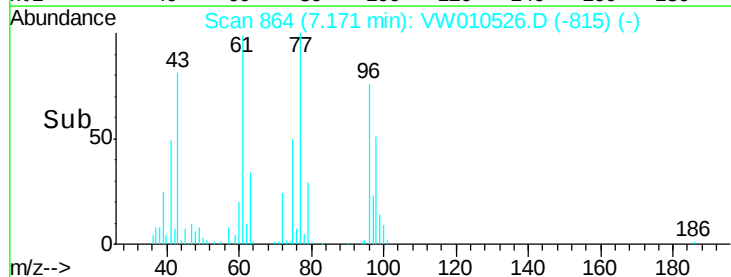
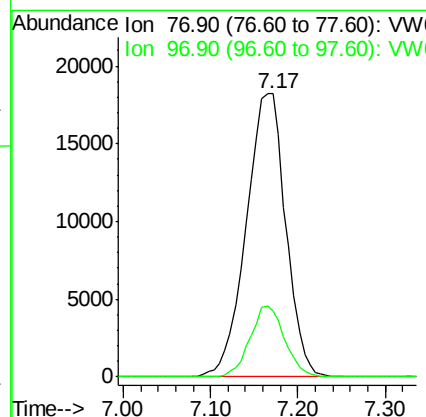
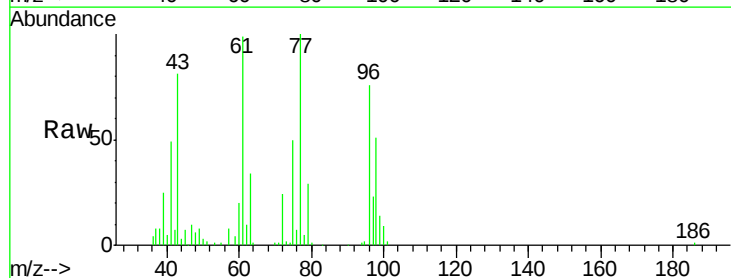
Acq: 23 May 2019 13:32

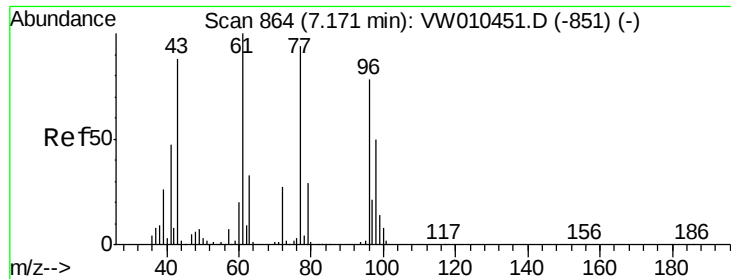
Tgt Ion: 77 Resp: 57067

Ion Ratio Lower Upper

77 100

97 21.8 11.7 35.0





#27

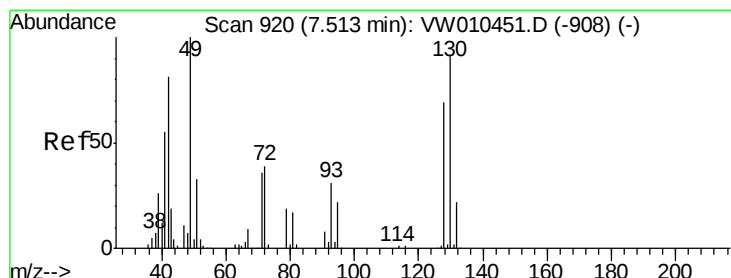
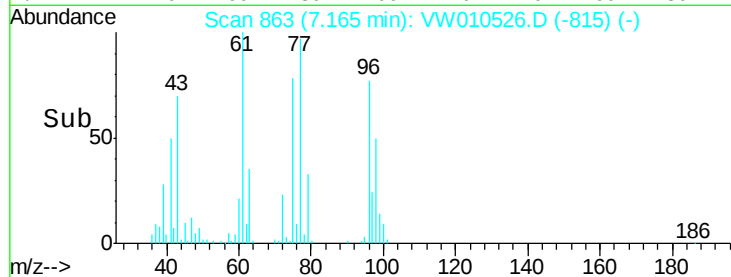
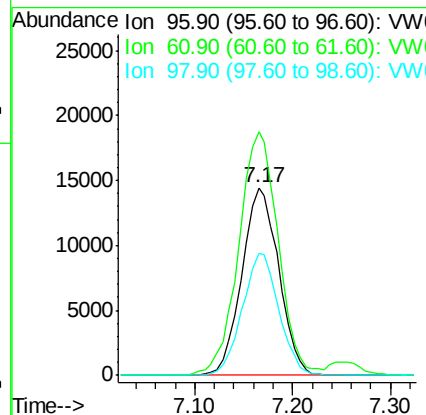
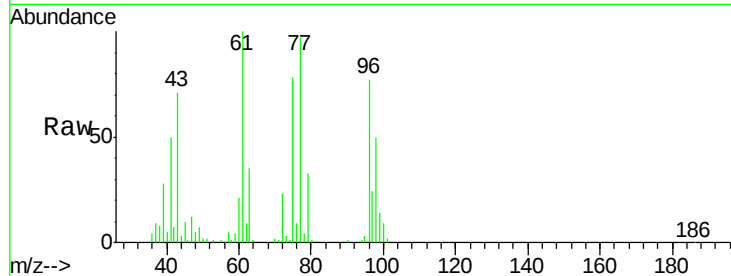
cis-1,2-Dichloroethene
 Concen: 19.685 ug/l
 RT: 7.17 min Scan# 863
 Delta R.T. -0.01 min
 Lab File: VW010526.D
 Acq: 23 May 2019 13:32

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0523SBS01

Tot Ion	Ratio	Lower	Upper
96	100		
61	139.1	0.0	265.4
98	64.5	0.0	129.4

Manual Integrations
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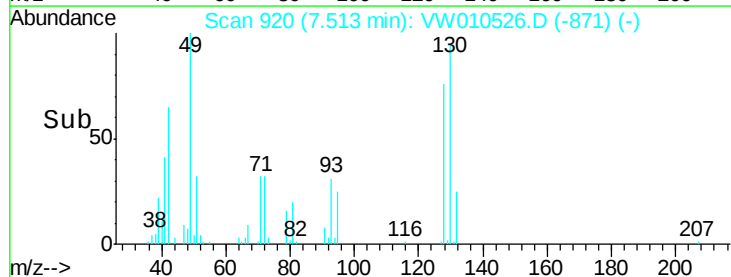
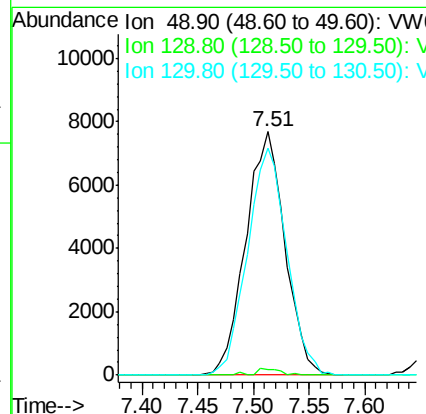
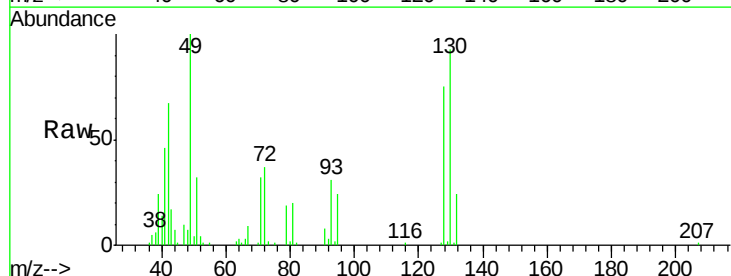
MMDadoda
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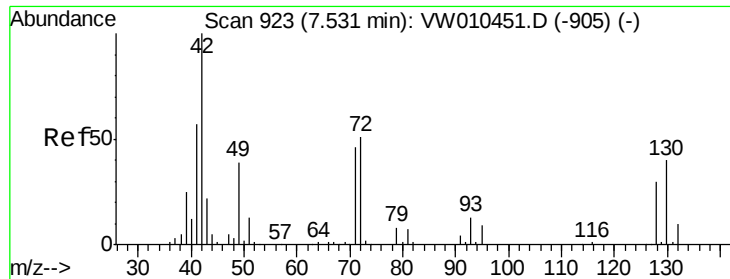


#28

Bromochloromethane
 Concen: 19.373 ug/l
 RT: 7.51 min Scan# 920
 Delta R.T. -0.00 min
 Lab File: VW010526.D
 Acq: 23 May 2019 13:32

Tgt Ion	Ratio	Lower	Upper
49	100		
129	1.4	0.0	4.8
130	93.6	71.2	106.8





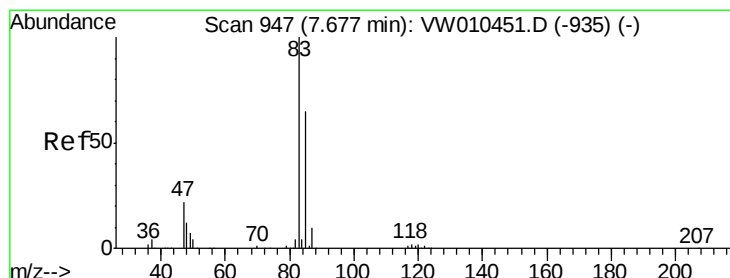
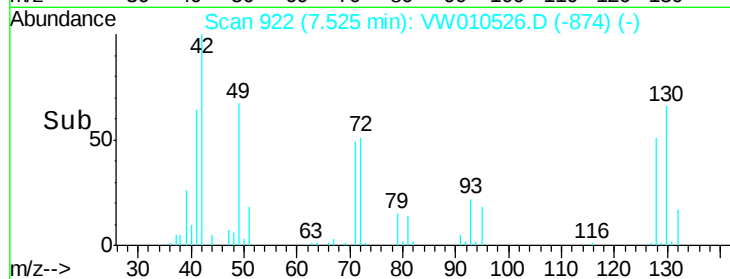
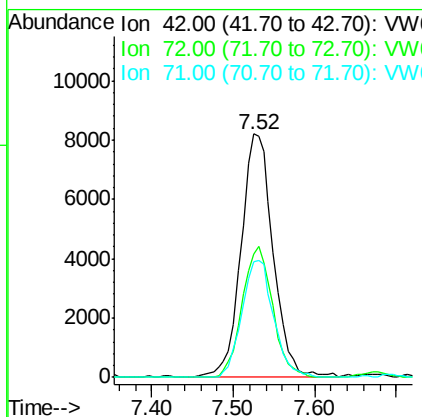
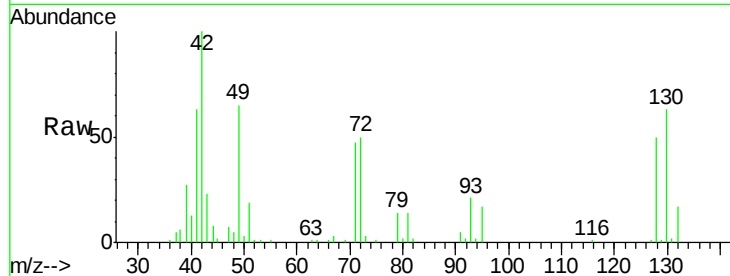
#29
Tetrahydrofuran
Concen: 75.696 ug/l
RT: 7.52 min Scan# 922
Delta R.T. -0.01 min
Lab File: VW010526.D
Acq: 23 May 2019 13:32

Instrument :
MSVOA_W
ClientSampleId :
VW0523SBS01

Tot Ion	Ratio	Lower	Upper
42	100		
72	50.9	38.5	57.7
71	47.4	36.5	54.7

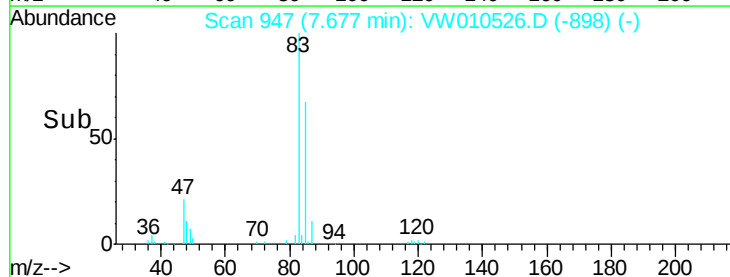
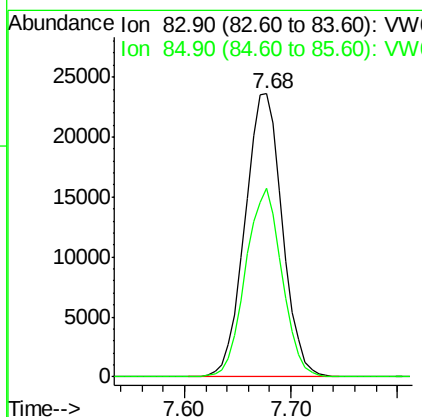
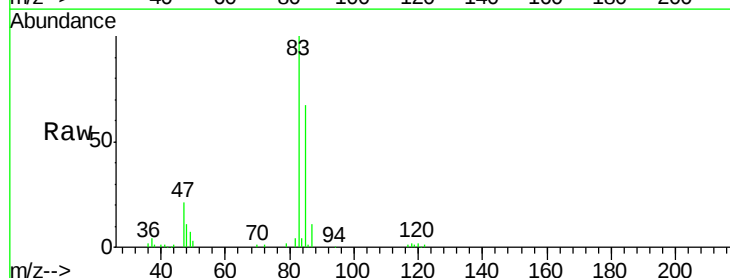
Manual Integrations
APPROVED

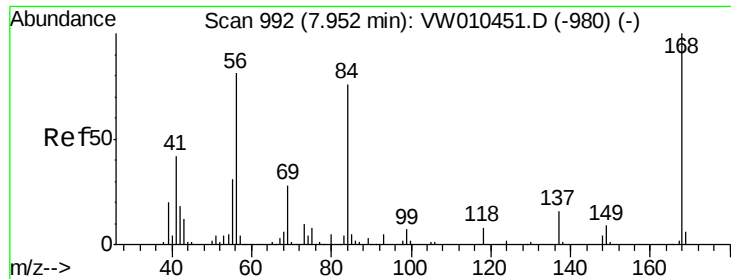
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#30
Chloroform
Concen: 19.789 ug/l
RT: 7.68 min Scan# 947
Delta R.T. -0.00 min
Lab File: VW010526.D
Acq: 23 May 2019 13:32

Tgt Ion	Ratio	Lower	Upper
83	100		
85	66.8	52.2	78.4





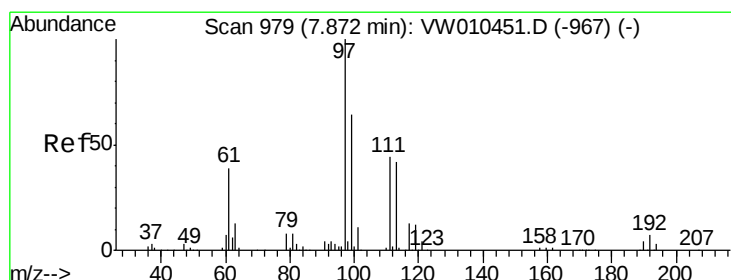
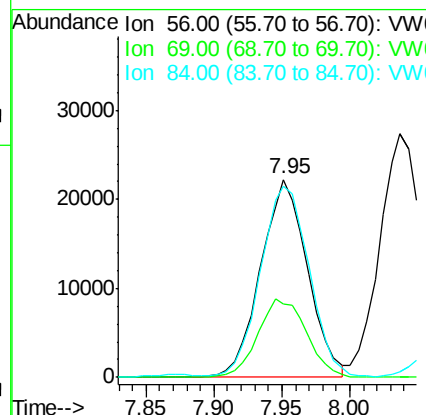
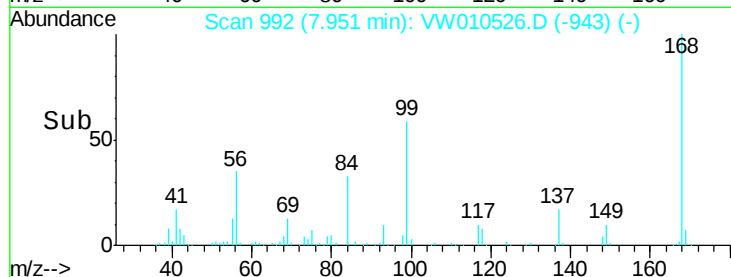
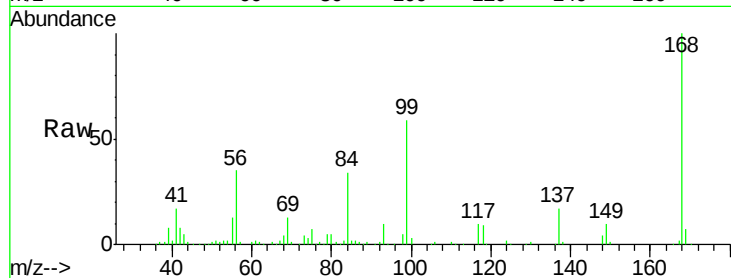
#31
Cyclohexane
Concen: 18.771 ug/l
RT: 7.95 min Scan# 992
Delta R.T. -0.00 min
Lab File: VW010526.D
Acq: 23 May 2019 13:32

Instrument :
MSVOA_W
ClientSampleId :
VW0523SBS01

Tot Ion	Ratio	Lower	Upper
56	100		
69	37.0	28.2	42.2
84	95.6	75.8	113.8

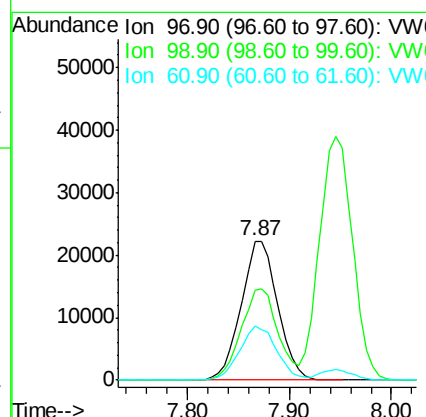
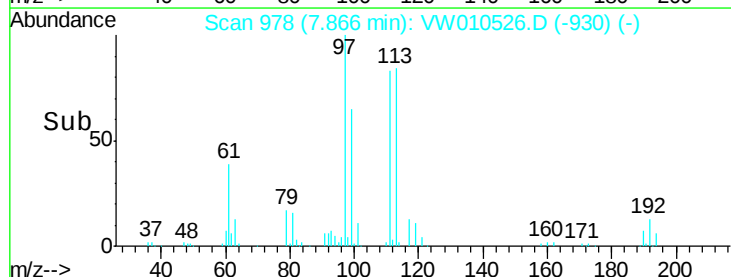
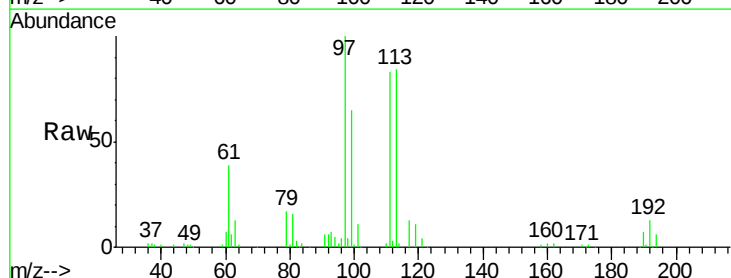
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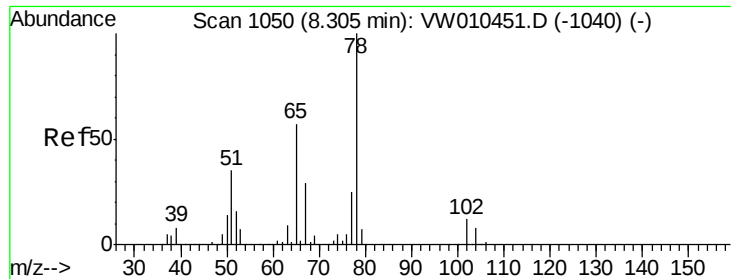
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#32
1,1,1-Trichloroethane
Concen: 19.700 ug/l
RT: 7.87 min Scan# 978
Delta R.T. -0.01 min
Lab File: VW010526.D
Acq: 23 May 2019 13:32

Tgt Ion	Ratio	Lower	Upper
97	100		
99	66.9	50.8	76.2
61	39.3	32.1	48.1





#33

1,2-Dichloroethane-d4

Concen: 48.629 ug/l

RT: 8.31 min Scan# 1050

Delta R.T. -0.00 min

Lab File: VW010526.D

Acq: 23 May 2019 13:32

Instrument :

MSVOA_W

ClientSampleId :

VW0523SBS01

Tot Ion: 65 Resp: 72930

Ion Ratio Lower Upper

65 100

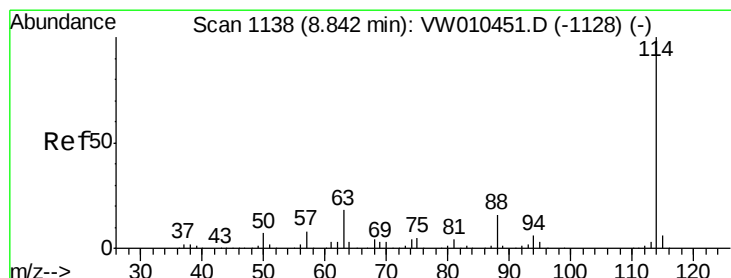
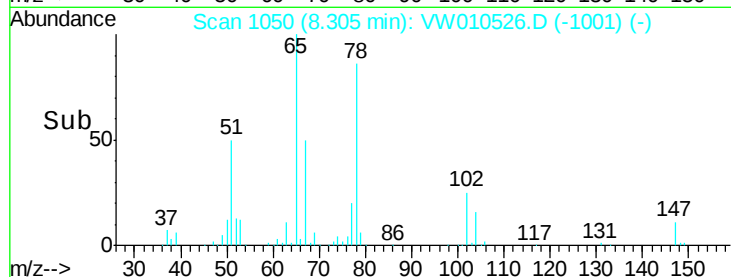
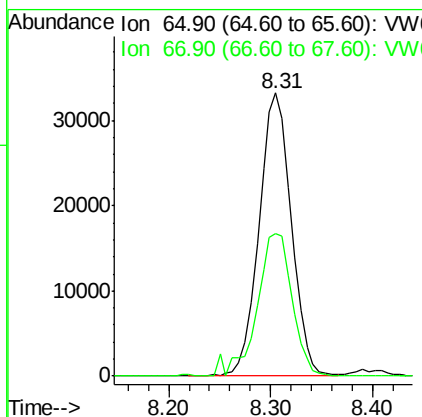
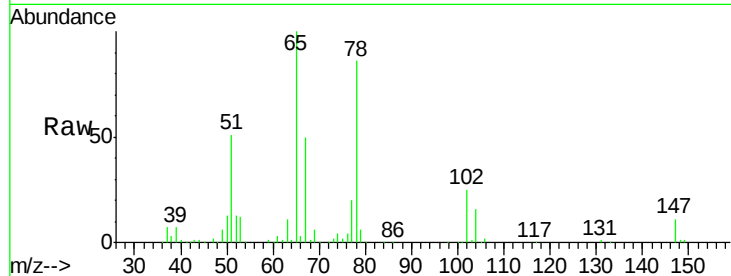
67 53.9 0.0 103.6

Manual Integrations

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#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.84 min Scan# 1138

Delta R.T. -0.00 min

Lab File: VW010526.D

Acq: 23 May 2019 13:32

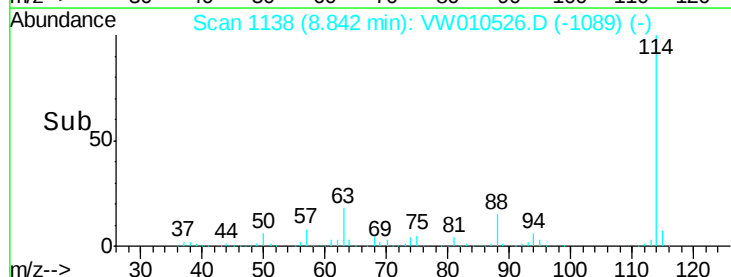
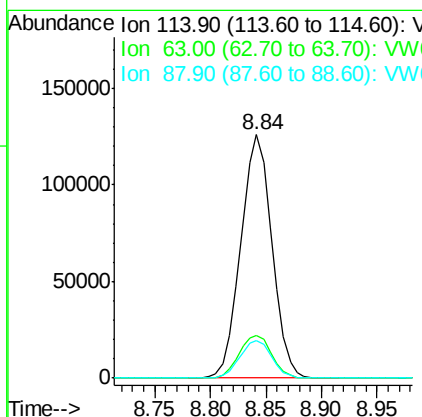
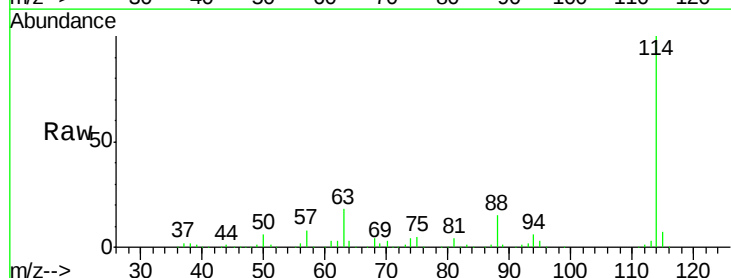
Tgt Ion:114 Resp: 245388

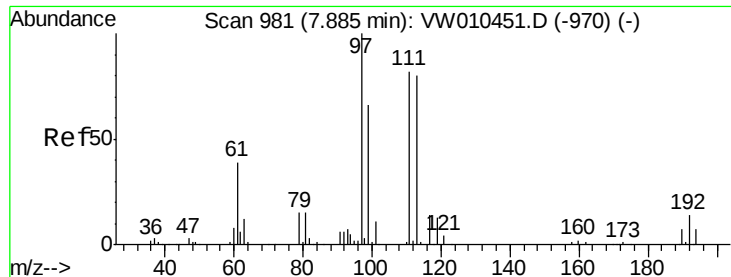
Ion Ratio Lower Upper

114 100

63 17.7 0.0 36.0

88 15.4 0.0 32.0





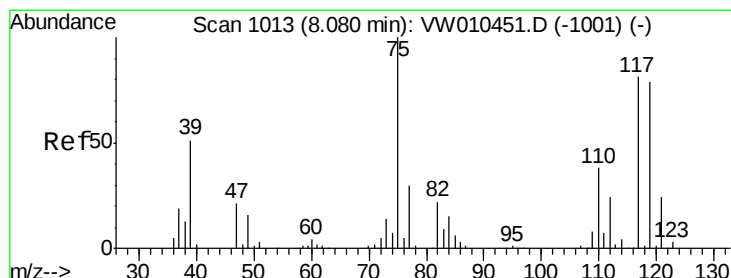
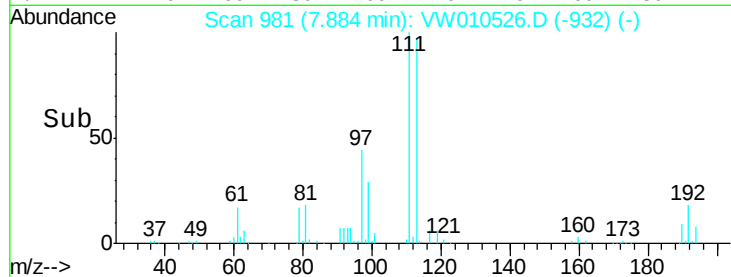
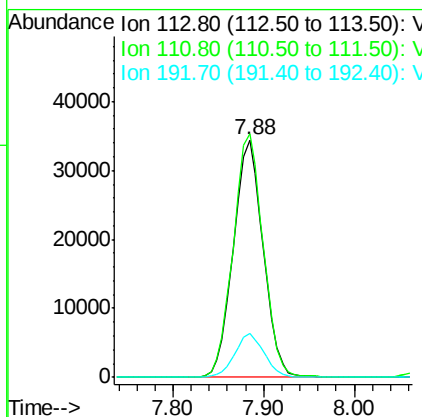
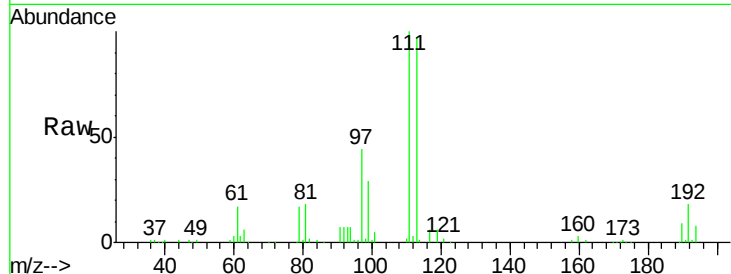
#35
 Dibromofluoromethane
 Concen: 52.729 ug/l
 RT: 7.88 min Scan# 981
 Delta R.T. -0.00 min
 Lab File: VW010526.D
 Acq: 23 May 2019 13:32

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0523SBS01

Tot Ion	Ratio	Resp	Lower	Upper
113	100	78511		
111	102.8	82.2	123.4	
192	18.1	14.3	21.5	

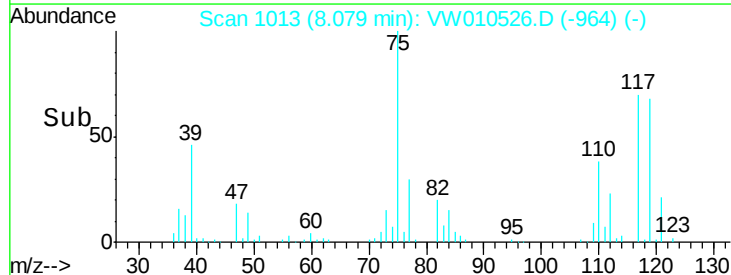
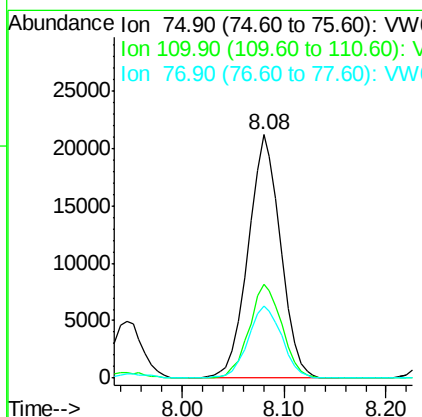
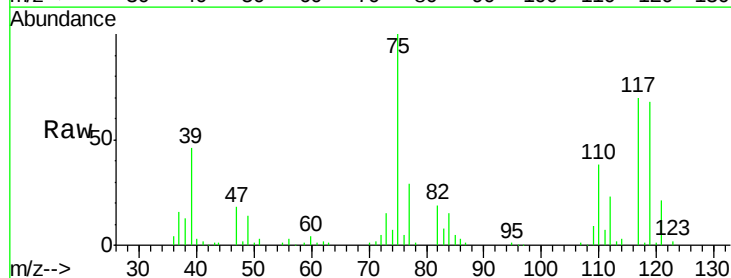
Manual Integrations
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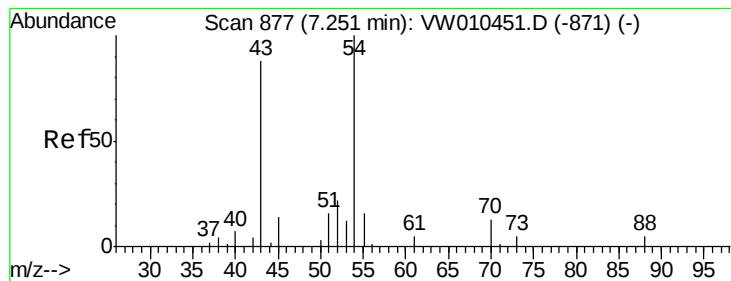
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#36
 1,1-Dichloropropene
 Concen: 20.531 ug/l
 RT: 8.08 min Scan# 1013
 Delta R.T. -0.00 min
 Lab File: VW010526.D
 Acq: 23 May 2019 13:32

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	46933		
110	38.7	19.2	57.6	
77	30.6	25.2	37.8	





#37

Ethyl Acetate

Concen: 17.335 ug/l

RT: 7.25 min Scan# 877

Delta R.T. -0.00 min

Lab File: VW010526.D

Acq: 23 May 2019 13:32

Instrument :

MSVOA_W

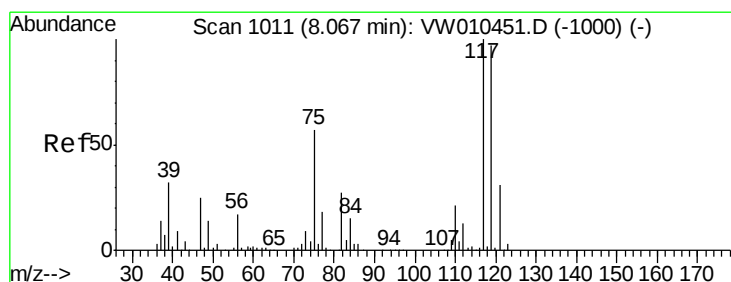
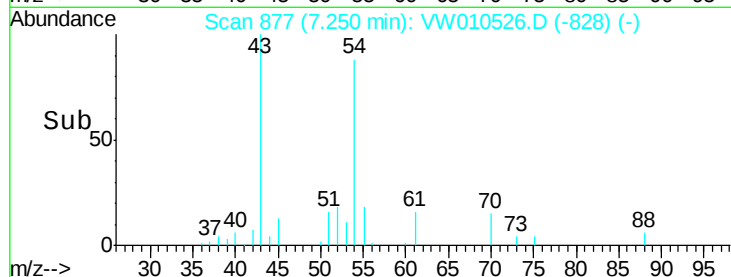
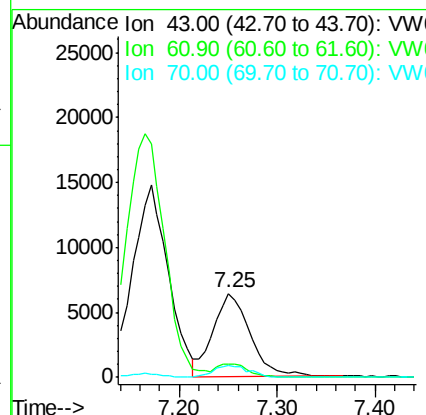
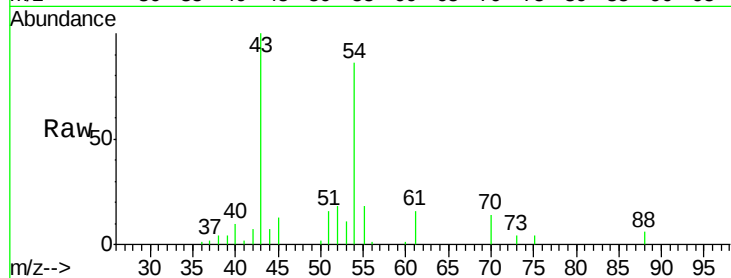
ClientSampleID :

VW0523SBS01

Tot Ion:	43	Resp:	16851
Ion	Ratio	Lower	Upper
43	100		
61	13.4	11.2	16.8
70	13.5	9.9	14.9

Manual Integrations
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#38

Carbon Tetrachloride

Concen: 20.244 ug/l

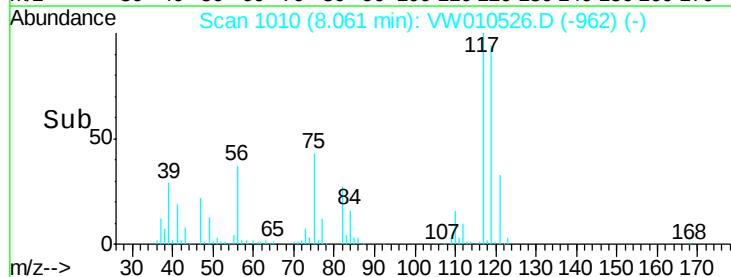
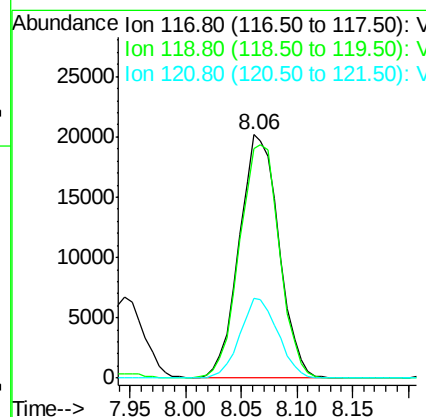
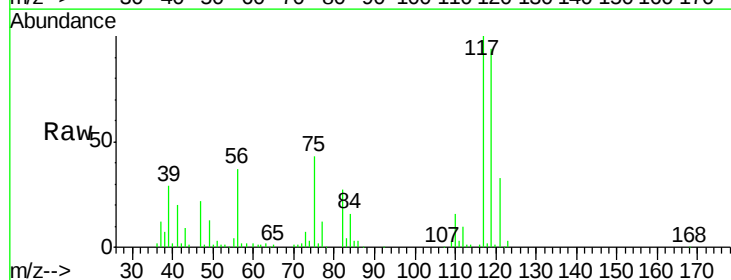
RT: 8.06 min Scan# 1010

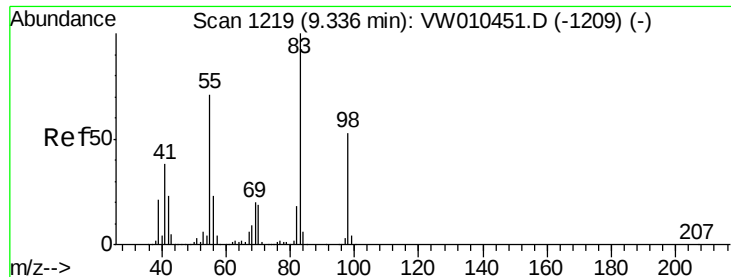
Delta R.T. -0.01 min

Lab File: VW010526.D

Acq: 23 May 2019 13:32

Tgt Ion:	117	Resp:	49920
Ion	Ratio	Lower	Upper
117	100		
119	94.5	77.4	116.0
121	32.8	25.0	37.6





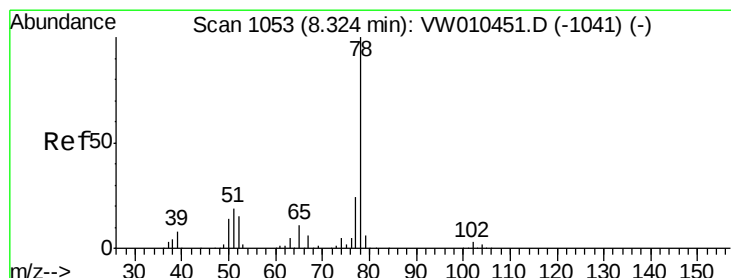
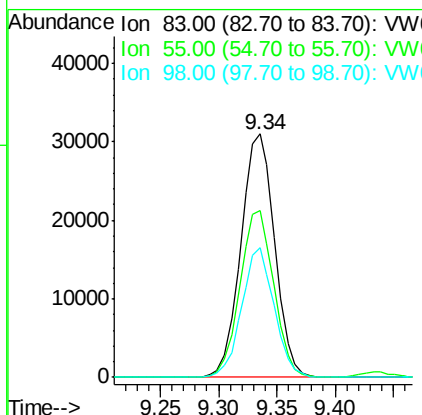
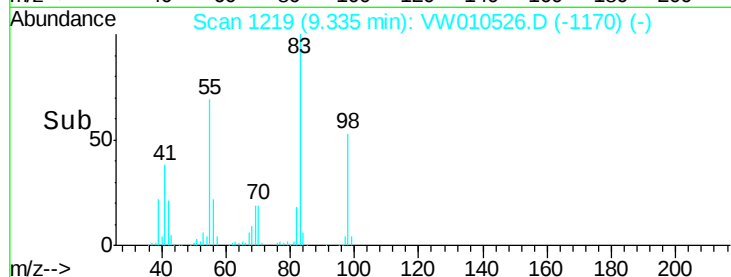
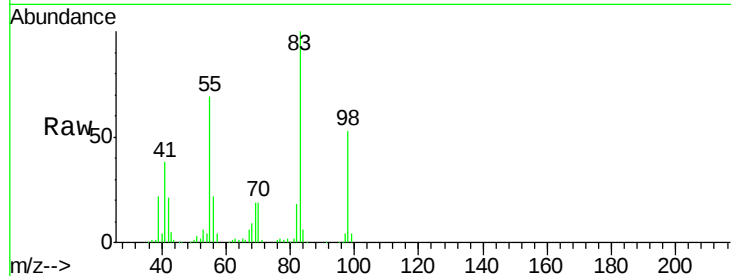
#39
Methvlcvclohexane
Concen: 20.540 ug/l
RT: 9.34 min Scan# 1219
Delta R.T. -0.00 min
Lab File: VW010526.D
Acq: 23 May 2019 13:32

Instrument :
MSVOA_W
ClientSampleId :
VW0523SBS01

Tot Ion	Ratio	Lower	Upper
83	100		
55	68.6	57.0	85.6
98	53.2	42.0	63.0

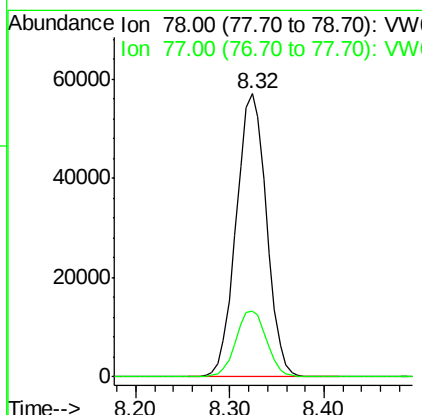
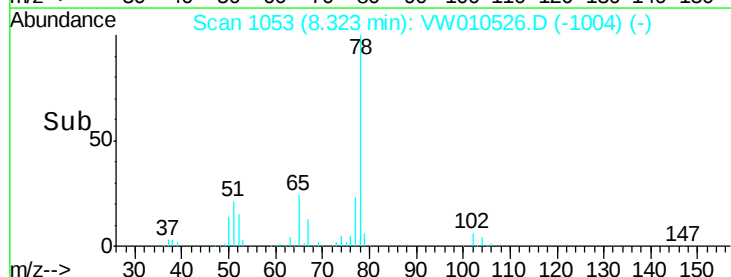
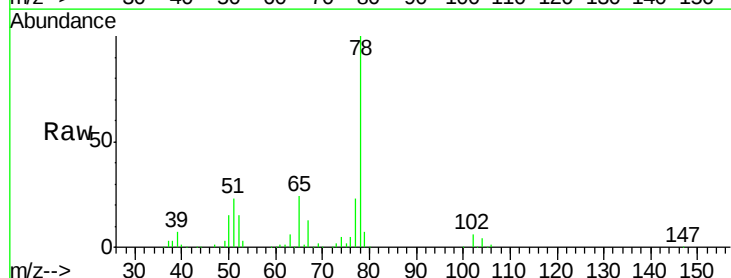
Manual Integrations
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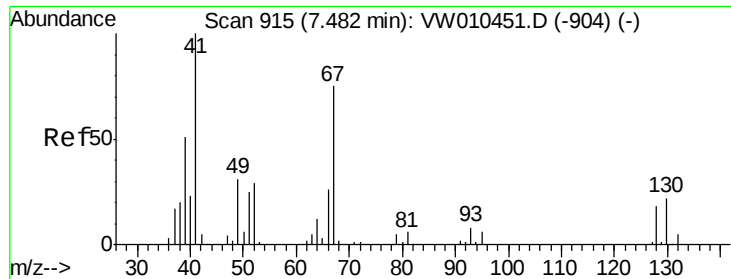
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#40
Benzene
Concen: 20.131 ug/l
RT: 8.32 min Scan# 1053
Delta R.T. -0.00 min
Lab File: VW010526.D
Acq: 23 May 2019 13:32

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.3	18.9	28.3





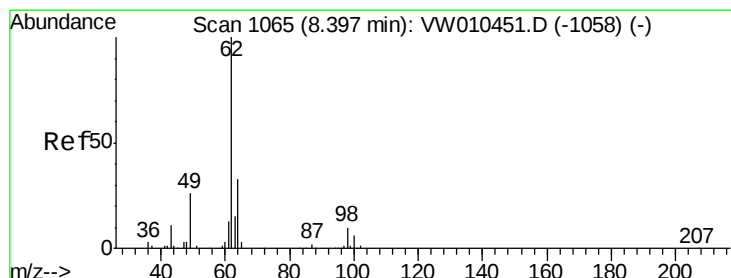
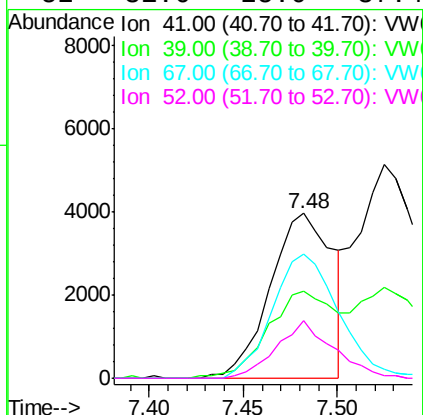
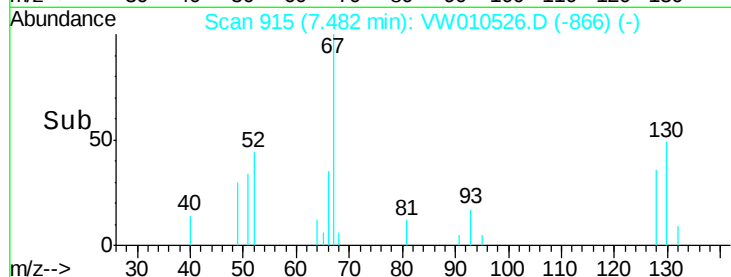
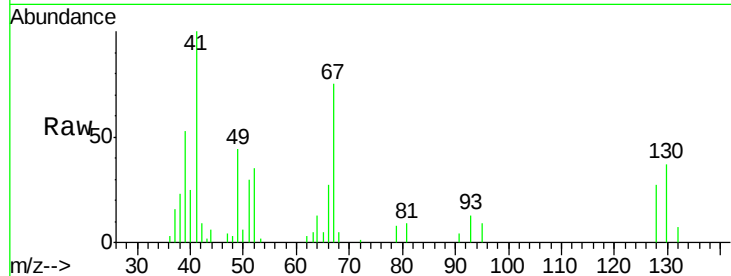
#41
Methacrylonitrile
Concen: 15.845 ug/l
RT: 7.48 min Scan# 915
Delta R.T. -0.00 min
Lab File: VW010526.D
Acq: 23 May 2019 13:32

Instrument :
MSVOA_W
ClientSampleId :
VW0523SBS01

Tot Ion	Ratio	Lower	Upper
41	100		
39	61.4	47.4	71.2
67	80.2	65.5	98.3
52	31.6	25.0	37.4

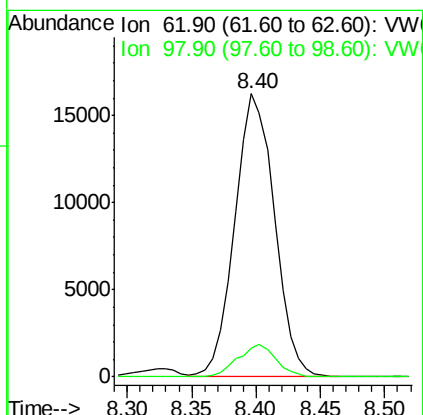
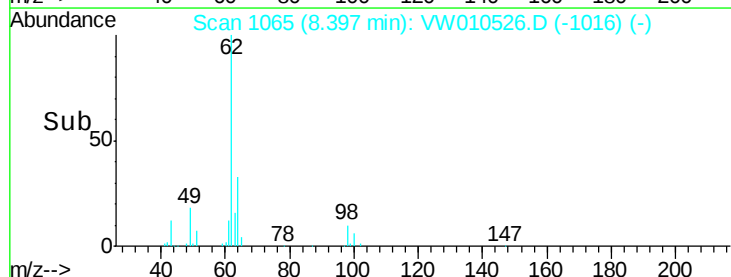
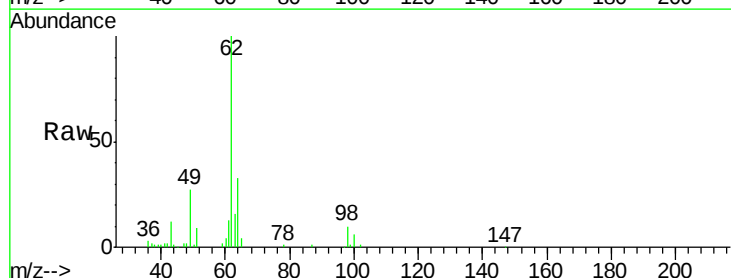
Manual Integrations
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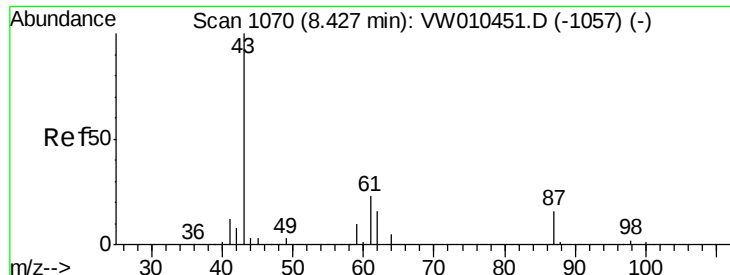
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#42
1,2-Dichloroethane
Concen: 19.151 ug/l
RT: 8.40 min Scan# 1065
Delta R.T. -0.00 min
Lab File: VW010526.D
Acq: 23 May 2019 13:32

Tgt Ion	Ratio	Lower	Upper
62	100		
98	10.9	0.0	21.0





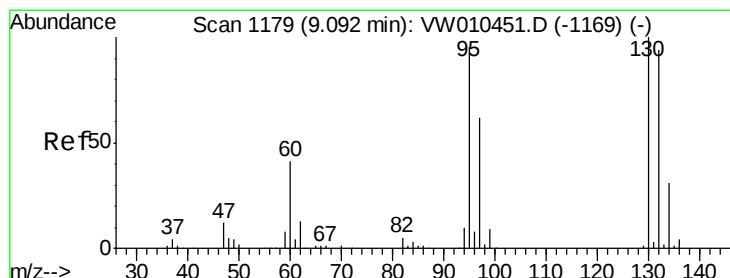
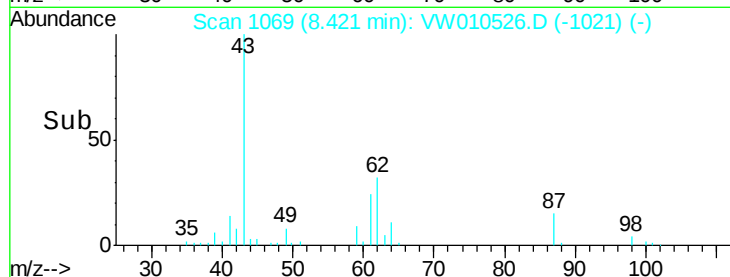
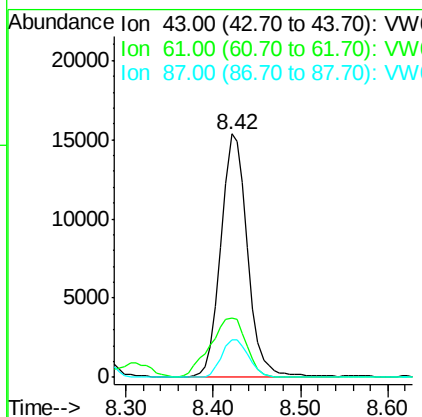
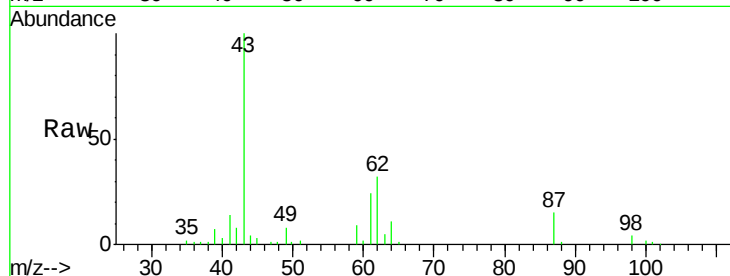
#43
Isopropyl Acetate
Concen: 16.786 ug/l
RT: 8.42 min Scan# 1069
Delta R.T. -0.01 min
Lab File: VW010526.D
Acq: 23 May 2019 13:32

Instrument :
MSVOA_W
ClientSampleId :
VW0523SBS01

Tot Ion	Ratio	Lower	Upper
43	100		
61	33.1	25.4	38.2
87	15.6	12.7	19.1

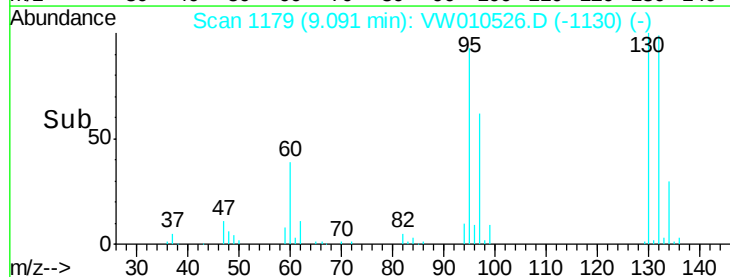
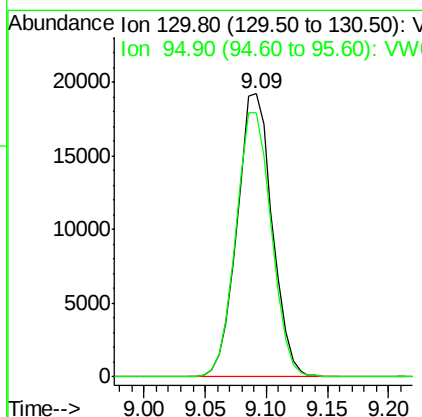
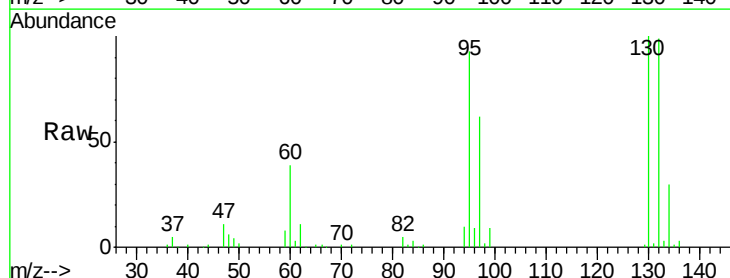
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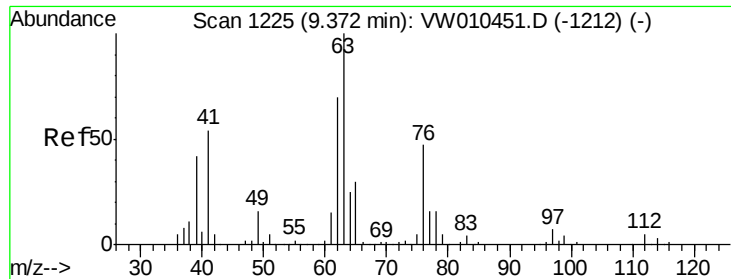
MMDadoda
5/24/2019 10:44:29 PM



#44
Trichloroethene
Concen: 20.304 ug/l
RT: 9.09 min Scan# 1179
Delta R.T. -0.00 min
Lab File: VW010526.D
Acq: 23 May 2019 13:32

Tgt Ion	Ratio	Lower	Upper
130	100		
95	93.3	0.0	189.6





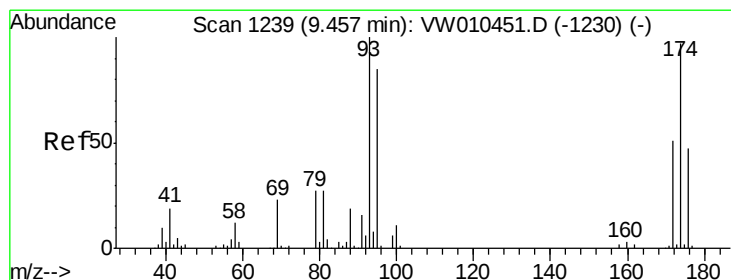
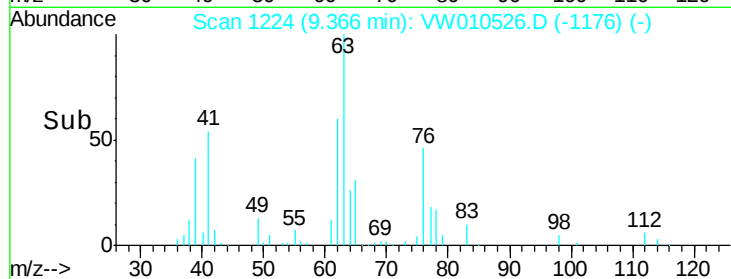
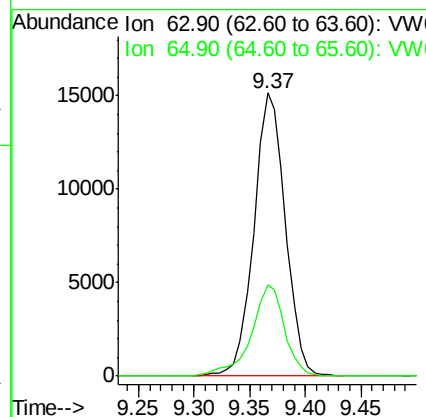
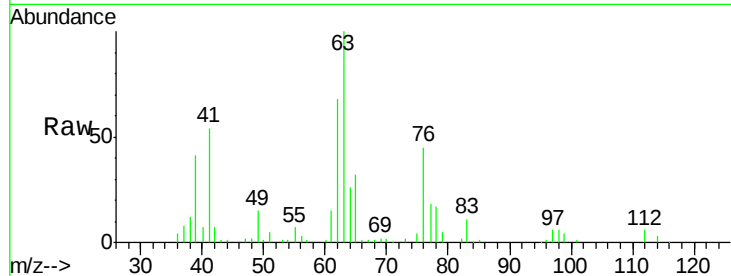
#45
 1,2-Dichloropropane
 Concen: 19.770 ug/l
 RT: 9.37 min Scan# 1224
 Delta R.T. -0.01 min
 Lab File: VW010526.D
 Acq: 23 May 2019 13:32

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0523SBS01

Tot Ion	Ratio	Lower	Upper
63	100		
65	32.2	24.3	36.5

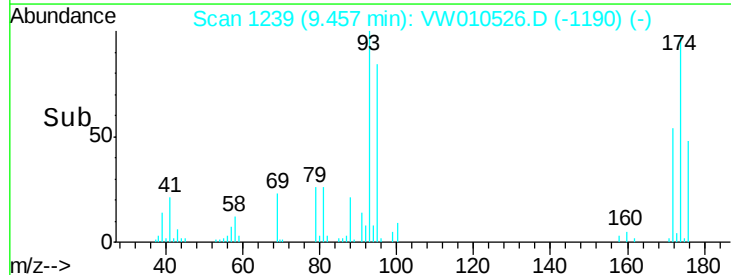
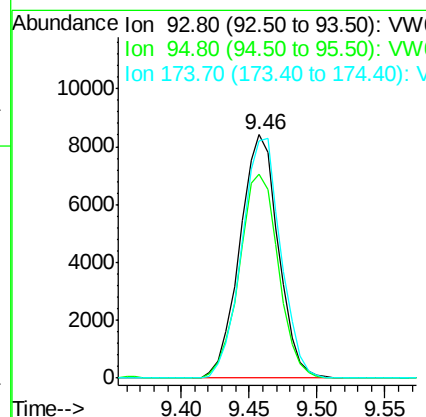
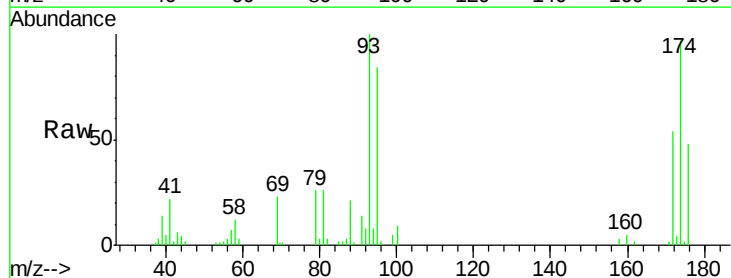
Manual Integrations
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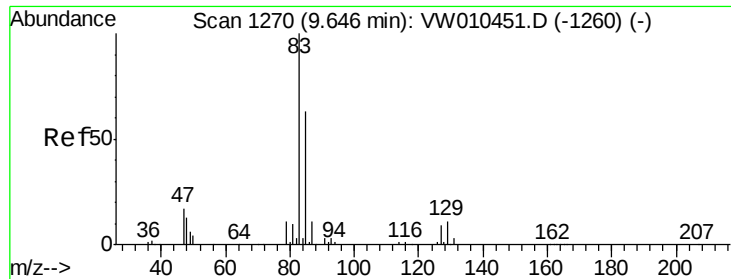
MMDadoda
 5/24/2019 10:44:29 PM



#46
 Dibromomethane
 Concen: 18.875 ug/l
 RT: 9.46 min Scan# 1239
 Delta R.T. -0.00 min
 Lab File: VW010526.D
 Acq: 23 May 2019 13:32

Tgt Ion	Ratio	Lower	Upper
93	100		
95	84.8	66.1	99.1
174	99.8	77.1	115.7





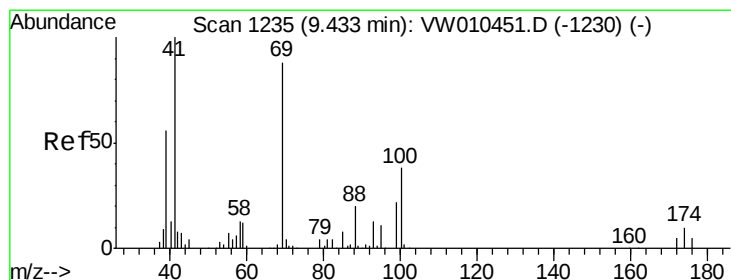
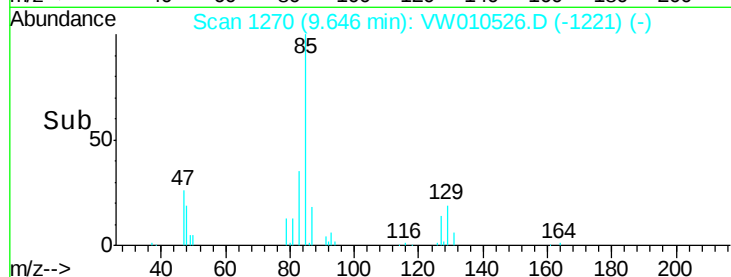
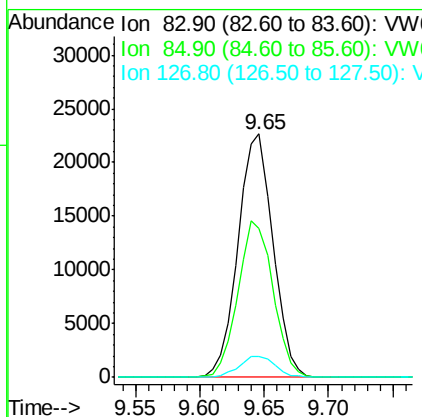
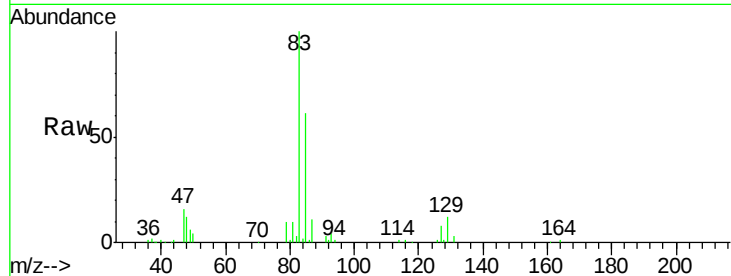
#47
Bromodichloromethane
Concen: 19.211 ug/l
RT: 9.65 min Scan# 1270
Delta R.T. -0.00 min
Lab File: VW010526.D
Acq: 23 May 2019 13:32

Instrument :
MSVOA_W
ClientSampleId :
VW0523SBS01

Tot Ion	Ratio	Lower	Upper
83	100		
85	61.2	50.4	75.6
127	8.3	7.4	11.0

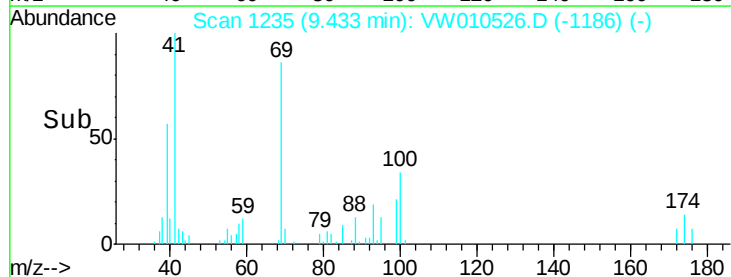
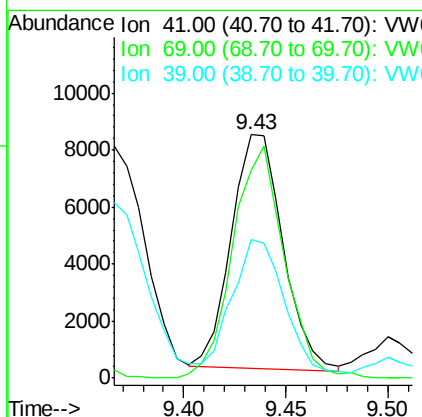
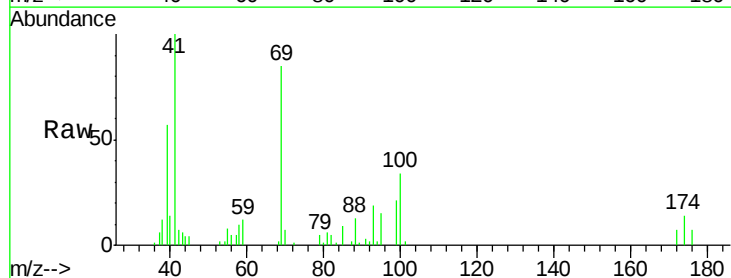
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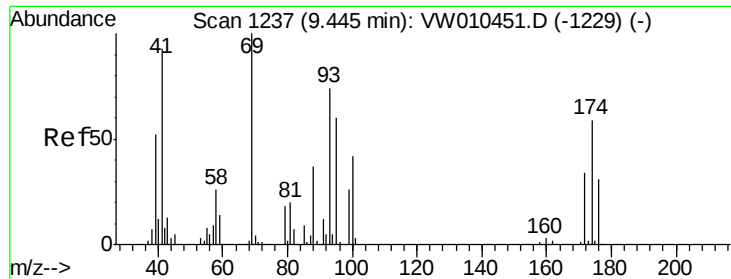
MMDadoda
5/24/2019 10:44:29 PM



#48
Methyl methacrylate
Concen: 16.268 ug/l
RT: 9.43 min Scan# 1235
Delta R.T. -0.00 min
Lab File: VW010526.D
Acq: 23 May 2019 13:32

Tgt Ion	Ratio	Lower	Upper
41	100		
69	99.2	77.6	116.4
39	56.1	49.8	74.8





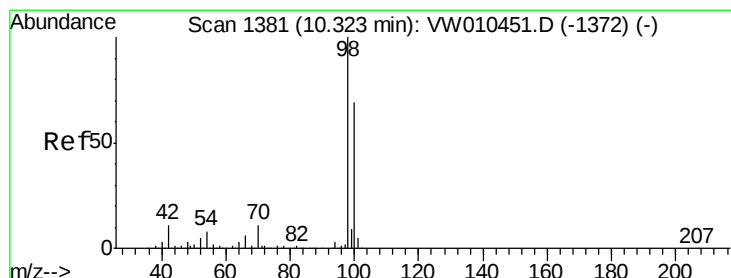
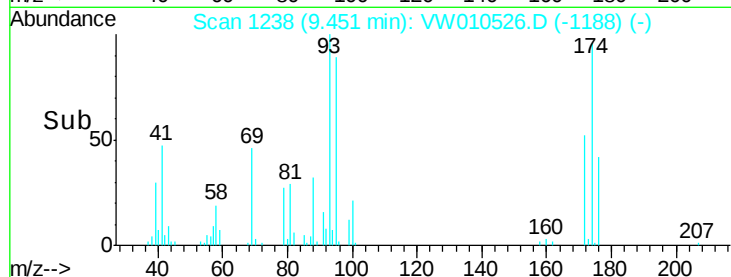
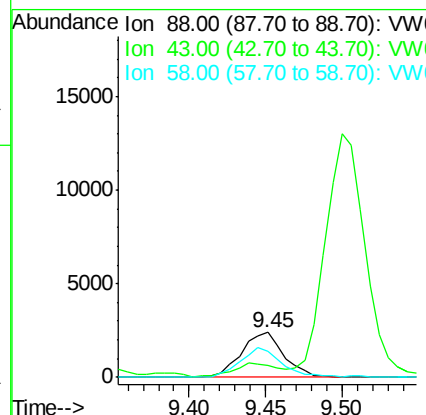
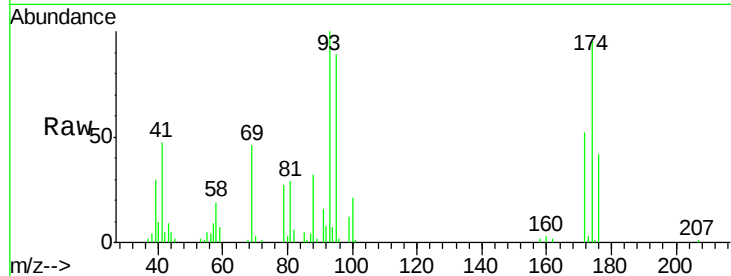
#49
1,4-Dioxane
Concen: 319.929 ug/l
RT: 9.45 min Scan# 1238
Delta R.T. 0.01 min
Lab File: VW010526.D
Acq: 23 May 2019 13:32

Instrument :
MSVOA_W
ClientSampleId :
VW0523SBS01

Tot Ion	Ratio	Resp	Lower	Upper
88	100	4612		
43	33.5	25.9	38.9	
58	64.8	52.7	79.1	

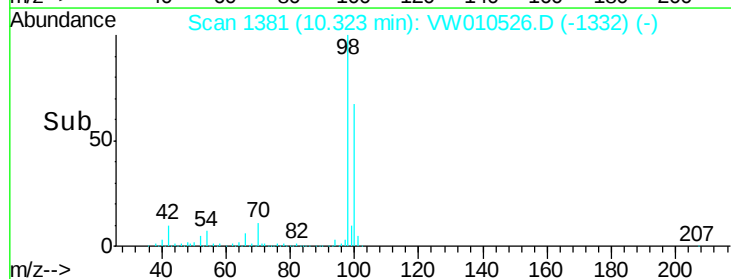
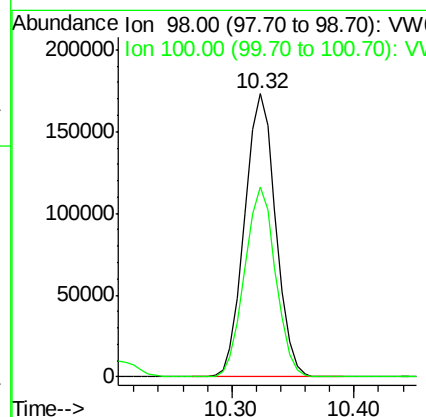
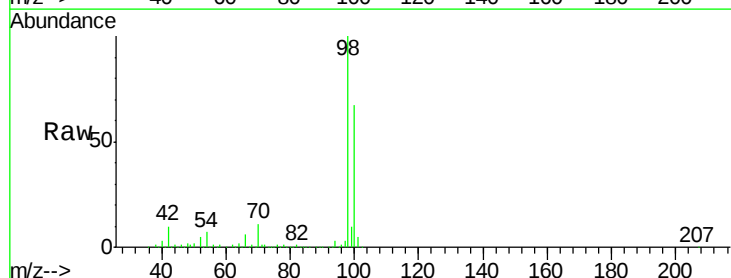
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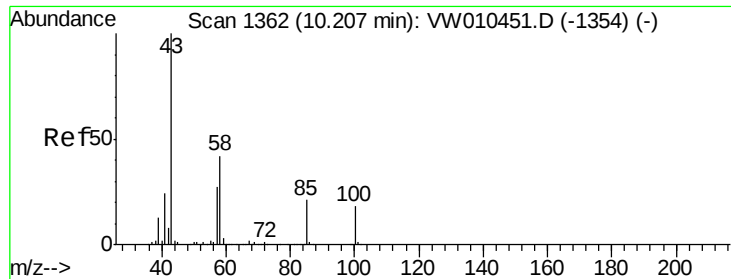
MMDadoda
5/24/2019 10:44:29 PM



#50
Toluene-d8
Concen: 53.606 ug/l
RT: 10.32 min Scan# 1381
Delta R.T. -0.00 min
Lab File: VW010526.D
Acq: 23 May 2019 13:32

Tgt Ion	Ratio	Resp	Lower	Upper
98	100	304922		
100	66.8	53.7	80.5	





#51

4-Methyl-2-Pentanone

Concen: 83.525 ug/l

RT: 10.21 min Scan# 1362

Delta R.T. -0.00 min

Lab File: VW010526.D

Acq: 23 May 2019 13:32

Instrument :

MSVOA_W

ClientSampled :

VW0523SBS01

Tot Ion: 43 Resp: 82193

Ion Ratio Lower Upper

43 100

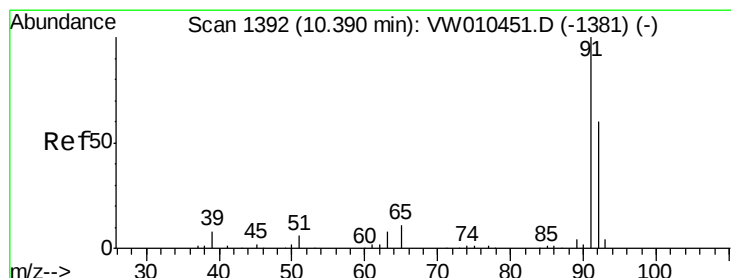
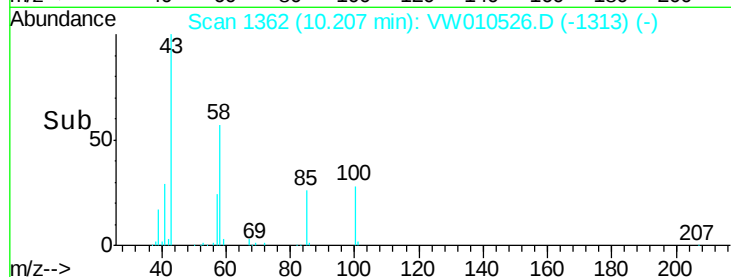
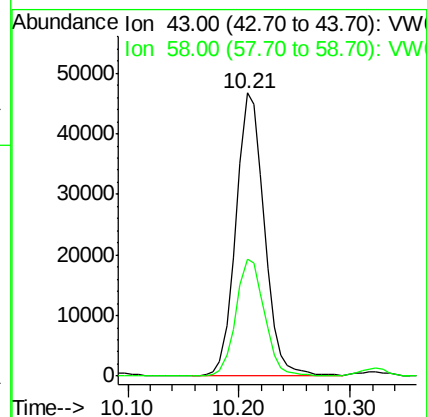
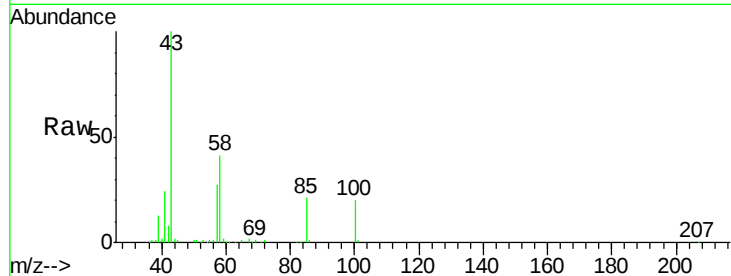
58 41.8 33.2 49.8

Manual Integrations

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MMDadoda

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#52

Toluene

Concen: 20.463 ug/l

RT: 10.39 min Scan# 1392

Delta R.T. -0.00 min

Lab File: VW010526.D

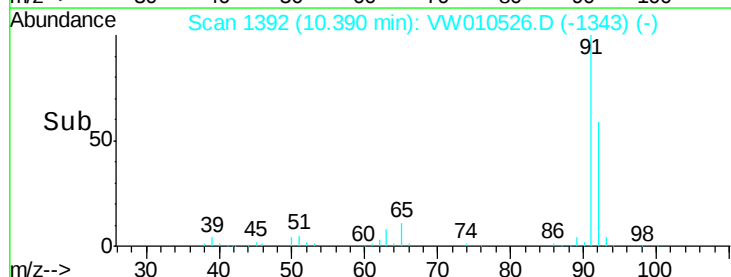
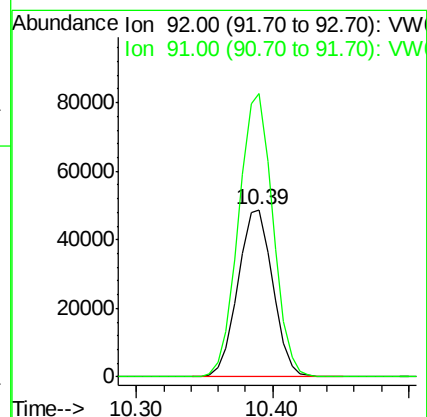
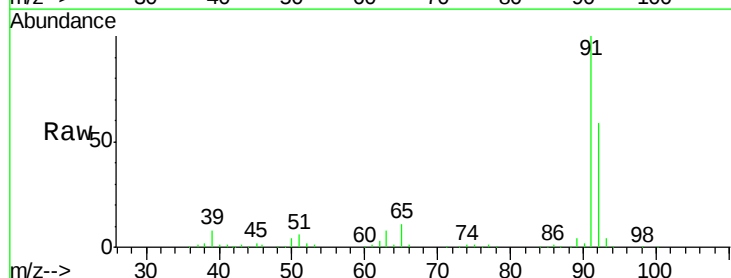
Acq: 23 May 2019 13:32

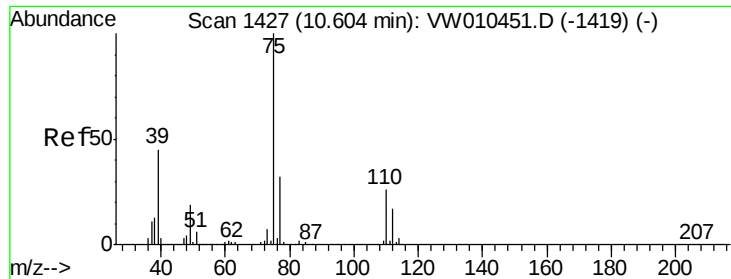
Tgt Ion: 92 Resp: 87314

Ion Ratio Lower Upper

92 100

91 167.1 135.4 203.0





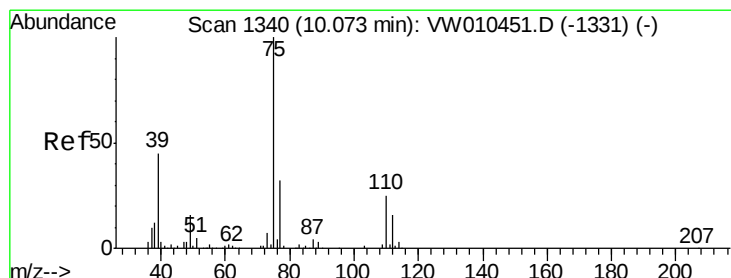
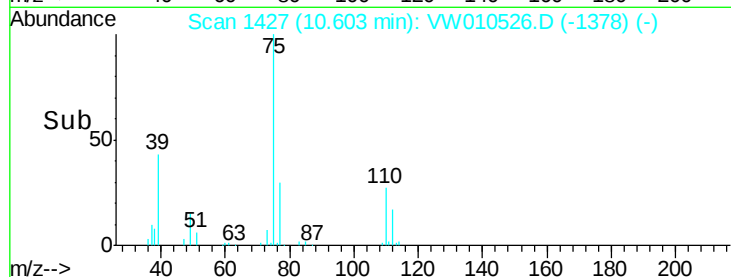
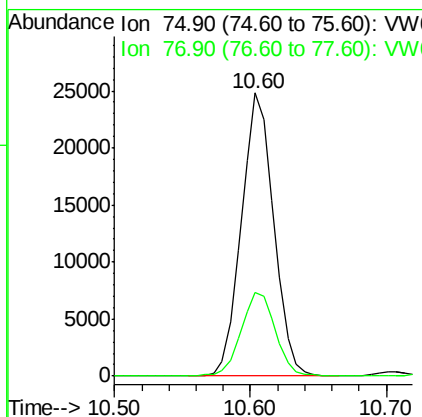
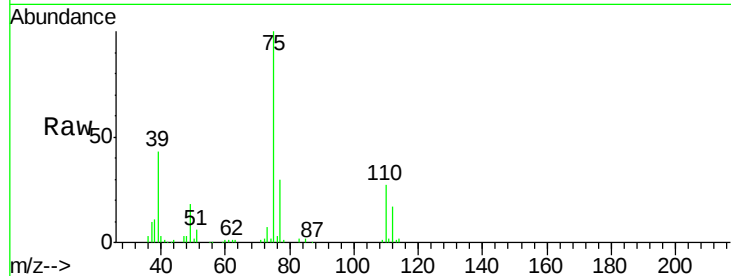
#53
t-1,3-Dichloropropene
Concen: 18.385 ug/l
RT: 10.60 min Scan# 1427
Delta R.T. -0.00 min
Lab File: VW010526.D
Acq: 23 May 2019 13:32

Instrument :
MSVOA_W
ClientSampled :
VW0523SBS01

Tot Ion: 75 Resp: 41292
Ion Ratio Lower Upper
75 100
77 29.4 25.4 38.0

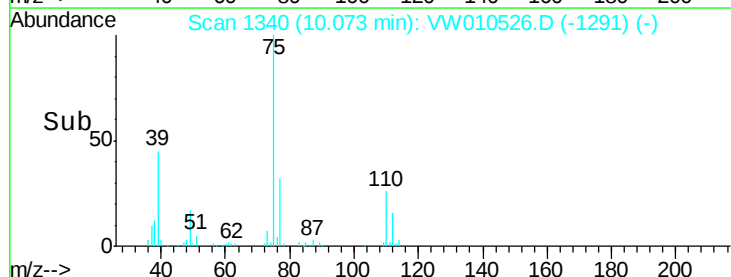
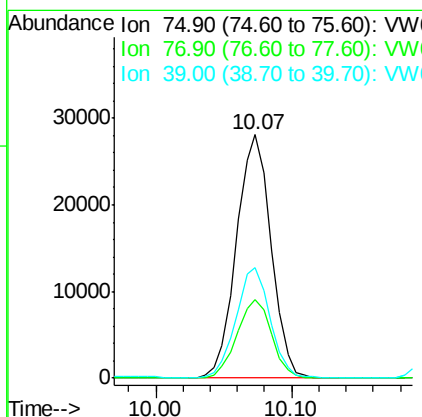
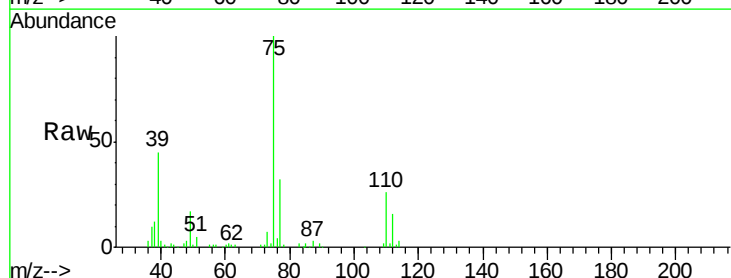
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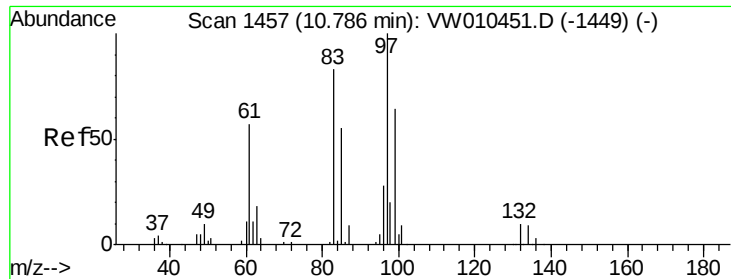
MMDadoda
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#54
cis-1,3-Dichloropropene
Concen: 19.403 ug/l
RT: 10.07 min Scan# 1340
Delta R.T. -0.00 min
Lab File: VW010526.D
Acq: 23 May 2019 13:32

Tgt Ion: 75 Resp: 49770
Ion Ratio Lower Upper
75 100
77 32.1 25.7 38.5
39 45.4 36.2 54.4





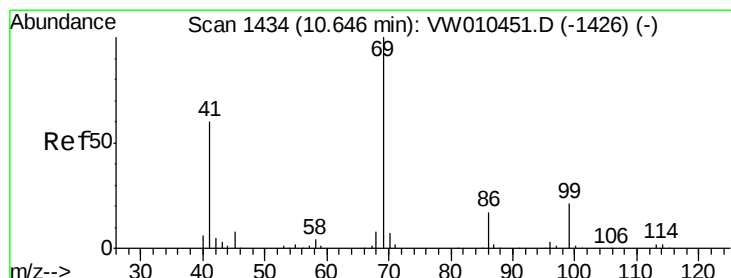
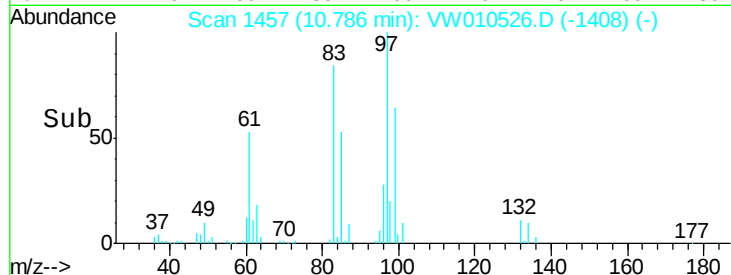
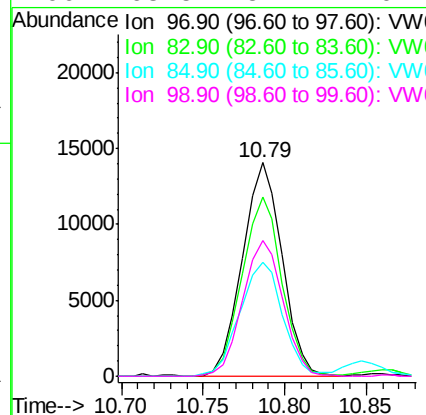
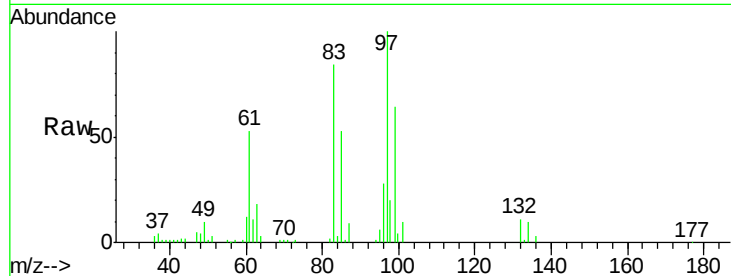
#55
 1,1,2-Trichloroethane
 Concen: 18.850 ug/l
 RT: 10.79 min Scan# 1457
 Delta R.T. -0.00 min
 Lab File: VW010526.D
 Acq: 23 May 2019 13:32

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0523SBS01

Tot Ion	Ion	Ratio	Resp	Lower	Upper
97	100		23921		
83	83.8	66.1	99.1		
85	53.2	44.2	66.4		
99	63.5	51.1	76.7		

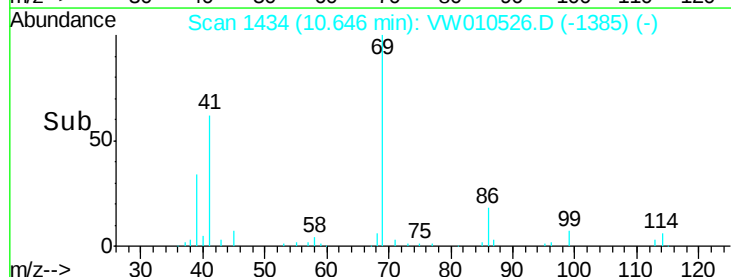
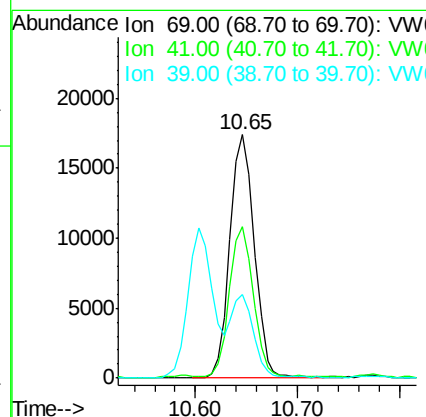
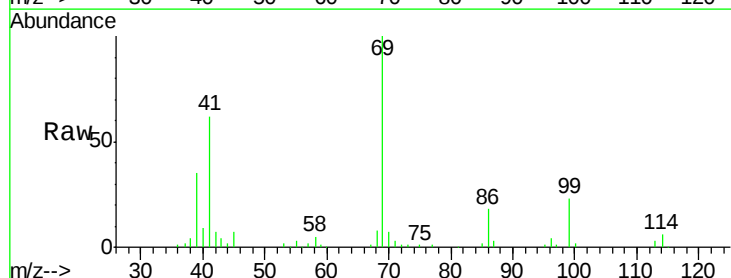
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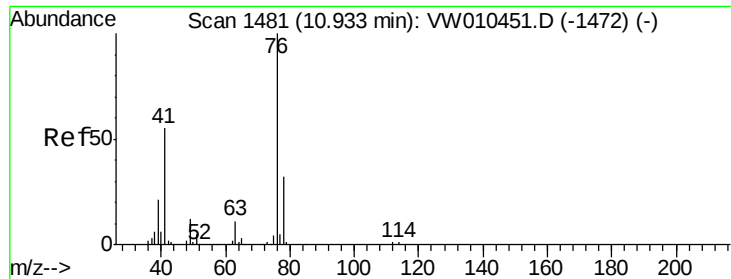
MMDadoda
 5/24/2019 10:44:29 PM



#56
 Ethyl methacrylate
 Concen: 16.624 ug/l
 RT: 10.65 min Scan# 1434
 Delta R.T. -0.00 min
 Lab File: VW010526.D
 Acq: 23 May 2019 13:32

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
69	100		29094		
41	59.1	47.7	71.5		
39	32.4	25.3	37.9		





#57

1,3-Dichloropropane

Concen: 18.842 ug/l

RT: 10.93 min Scan# 1481

Delta R.T. -0.00 min

Lab File: VW010526.D

Acq: 23 May 2019 13:32

Instrument :

MSVOA_W

ClientSampleId :

VW0523SBS01

Tot Ion: 76 Resp: 40052

Ion Ratio Lower Upper

76 100

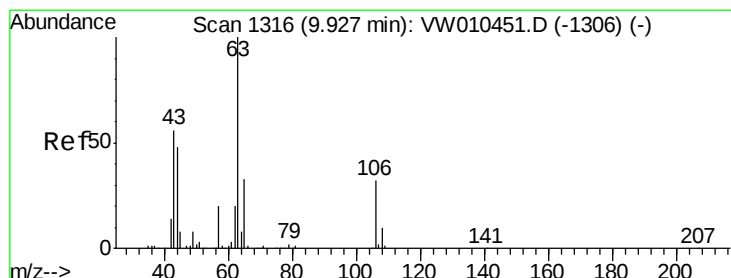
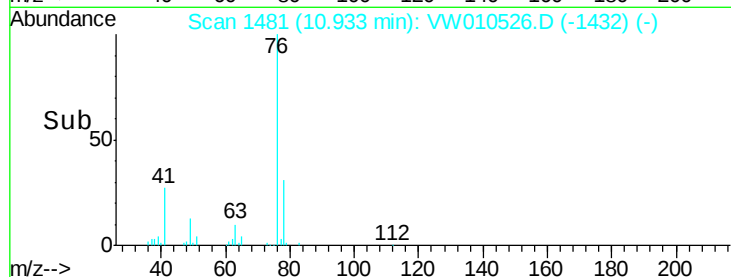
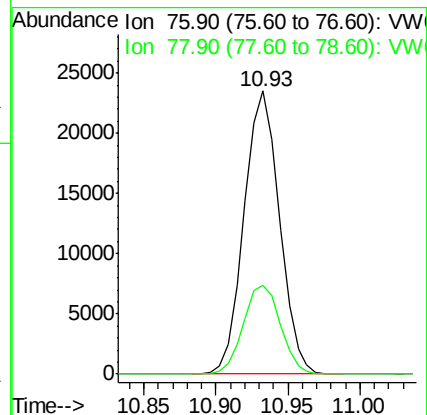
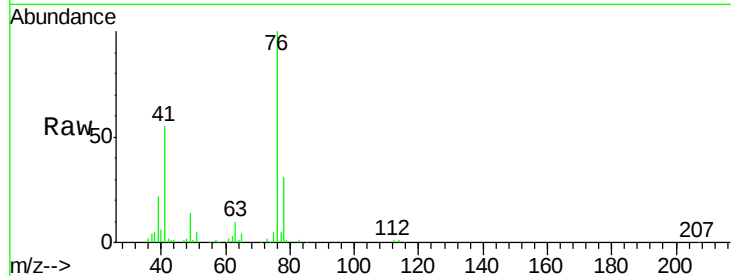
78 32.8 26.2 39.2

Manual Integrations

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MMDadoda

5/24/2019 10:44:29 PM



#58

2-Chloroethyl Vinyl ether

Concen: 87.985 ug/l

RT: 9.92 min Scan# 1315

Delta R.T. -0.01 min

Lab File: VW010526.D

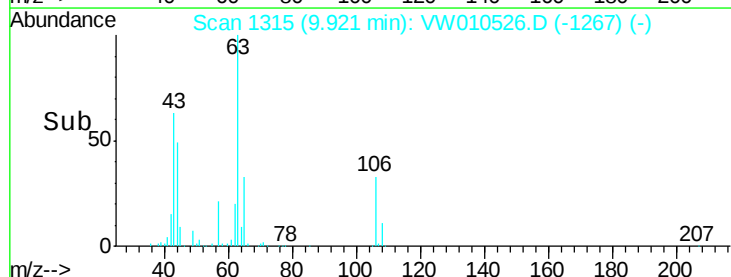
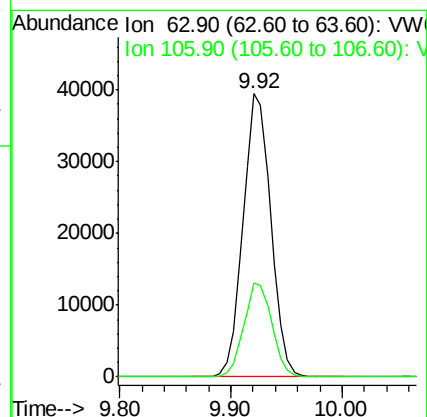
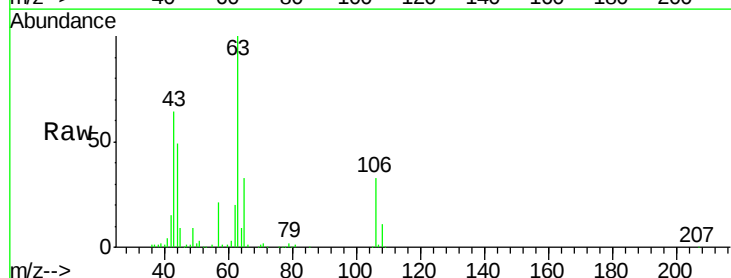
Acq: 23 May 2019 13:32

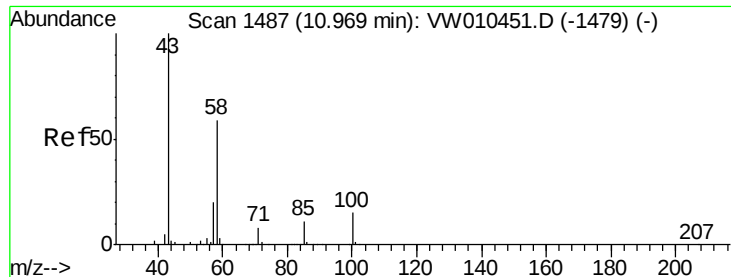
Tgt Ion: 63 Resp: 68206

Ion Ratio Lower Upper

63 100

106 33.3 25.8 38.6





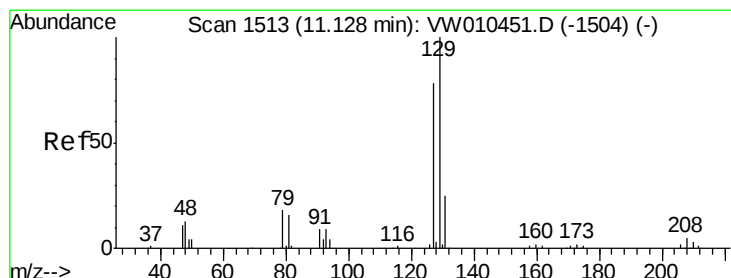
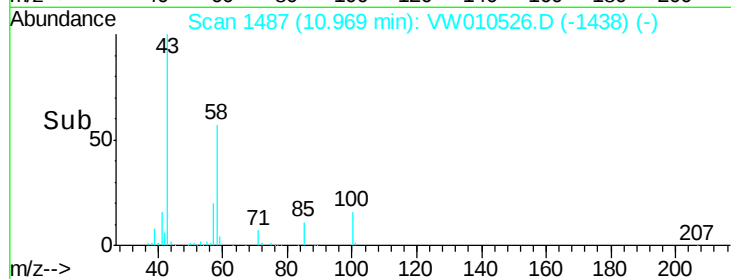
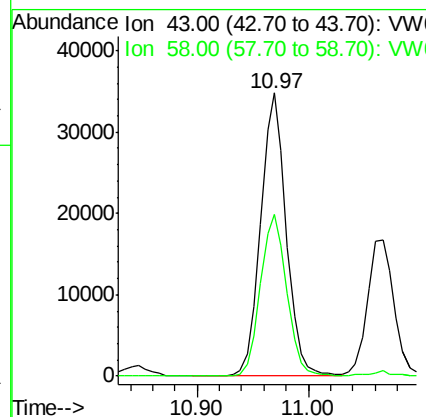
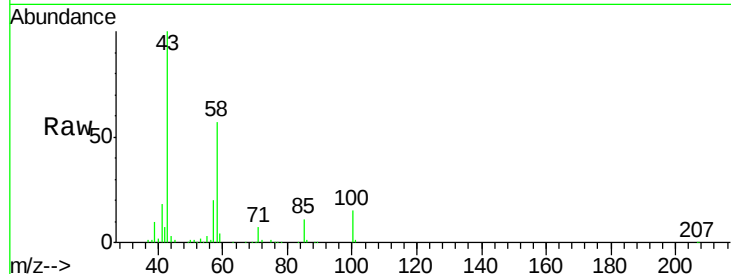
#59
2-Hexanone
Concen: 79.615 ug/l
RT: 10.97 min Scan# 1487
Delta R.T. -0.00 min
Lab File: VW010526.D
Acq: 23 May 2019 13:32

Instrument :
MSVOA_W
ClientSampleId :
VW0523SBS01

Tot Ion	43	Resp	55888
Ion Ratio	100	Lower	Upper
43	100		
58	58.7	28.9	86.8

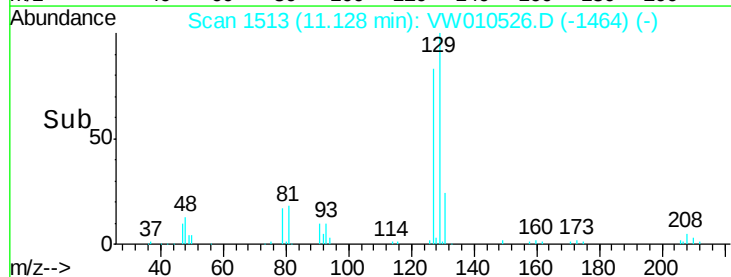
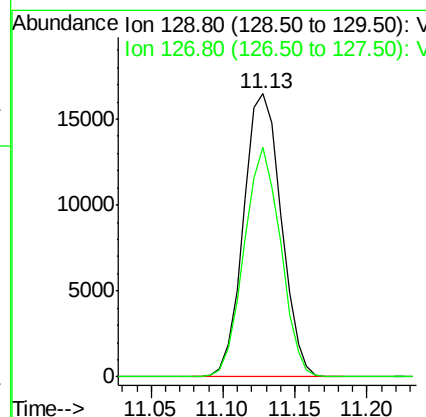
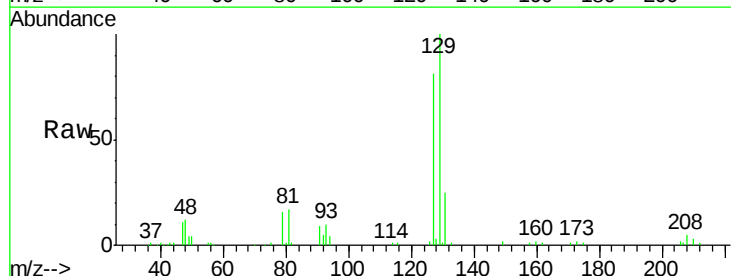
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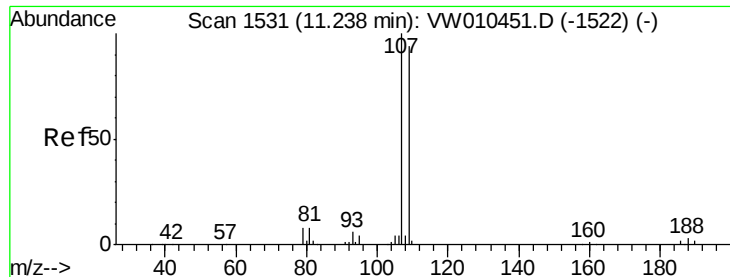
MMDadoda
5/24/2019 10:44:29 PM



#60
Dibromochloromethane
Concen: 18.603 ug/l
RT: 11.13 min Scan# 1513
Delta R.T. -0.00 min
Lab File: VW010526.D
Acq: 23 May 2019 13:32

Tgt Ion	129	Resp	29878	
Ion Ratio	129	100	Lower	Upper
129	100			
127	78.4	38.9	116.7	





#61

1,2-Dibromoethane

Concen: 18.854 ug/l

RT: 11.24 min Scan# 1531

Delta R.T. -0.00 min

Lab File: VW010526.D

Acq: 23 May 2019 13:32

Instrument :

MSVOA_W

ClientSampleId :

VW0523SBS01

Tot Ion:107 Resp: 24237

Ion Ratio Lower Upper

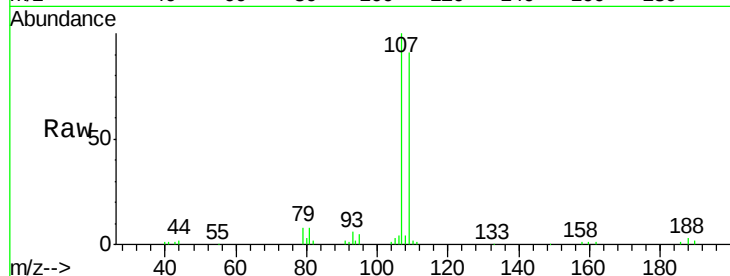
107 100

109 93.1 75.0 112.4

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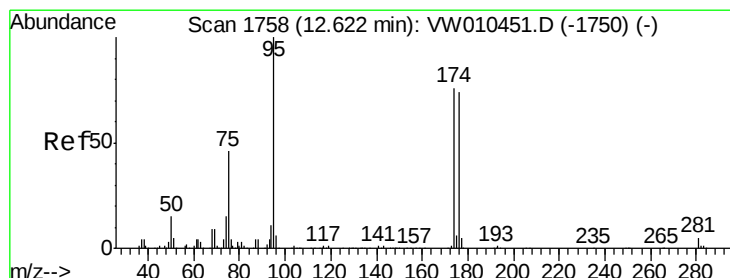
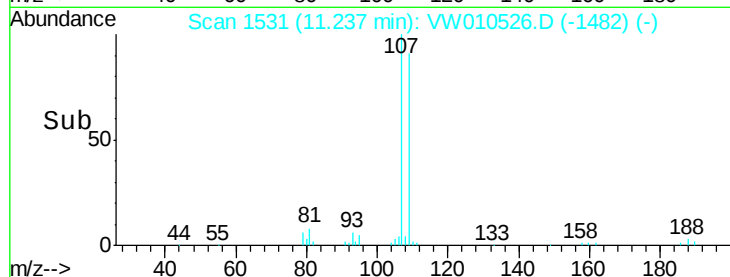
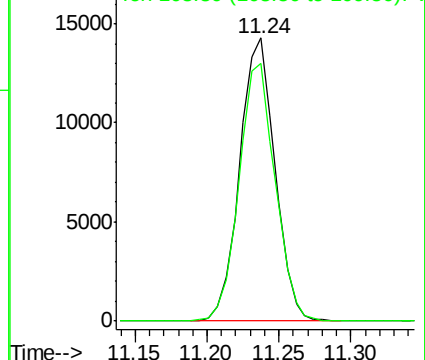
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Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V



#62

4-Bromofluorobenzene

Concen: 50.693 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. -0.00 min

Lab File: VW010526.D

Acq: 23 May 2019 13:32

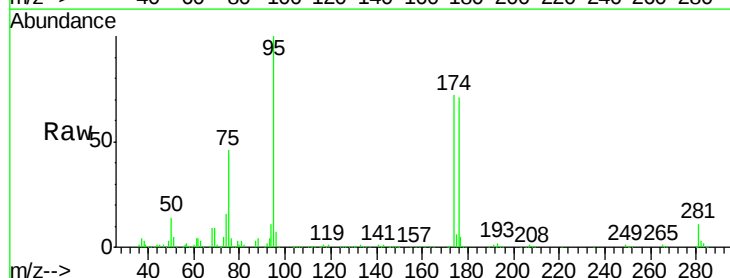
Tgt Ion: 95 Resp: 114854

Ion Ratio Lower Upper

95 100

174 72.6 0.0 148.6

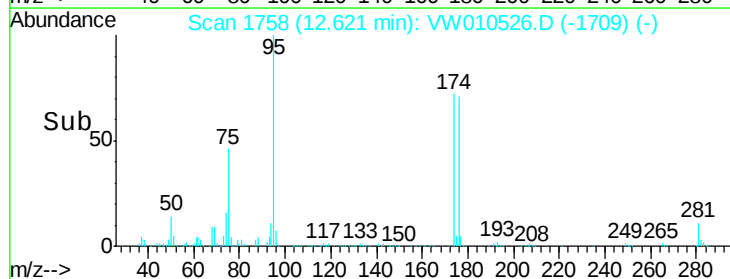
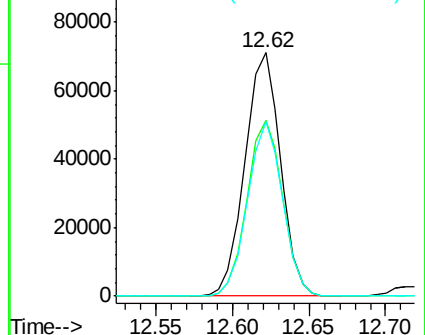
176 70.4 0.0 144.2

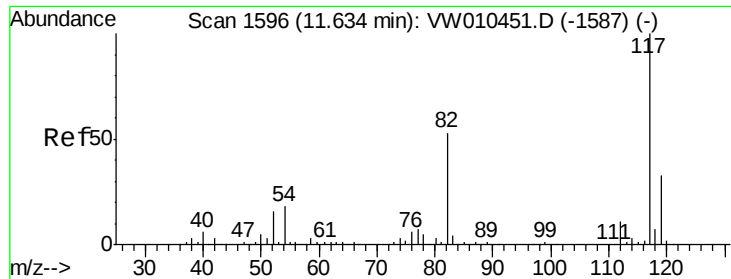


Abundance Ion 94.90 (94.60 to 95.60): VW

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V





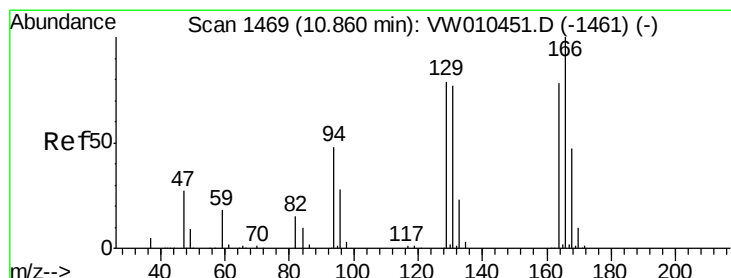
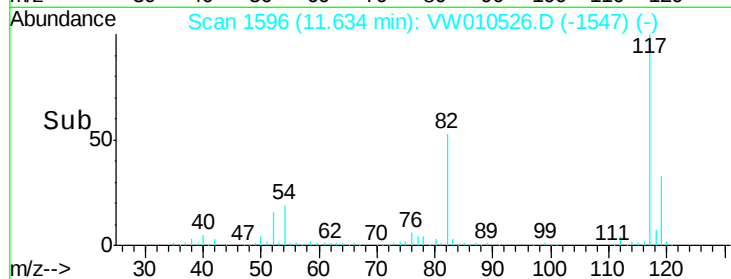
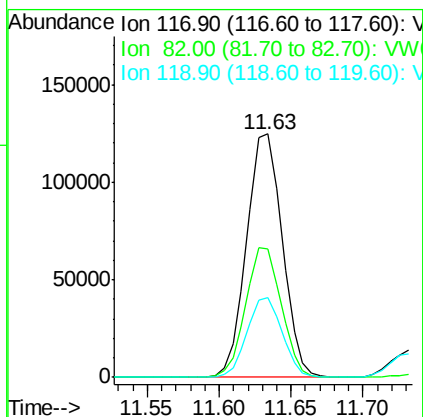
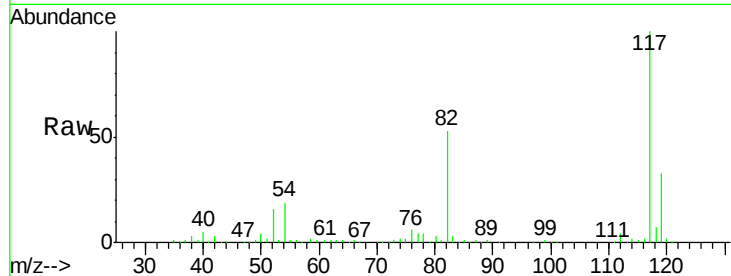
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1596
Delta R.T. -0.00 min
Lab File: VW010526.D
Acq: 23 May 2019 13:32

Instrument :
MSVOA_W
ClientSampleId :
VW0523SBS01

Tot Ion	Ratio	Resp	Lower	Upper
117	100	214030		
82	52.7		42.8	64.2
119	32.6		26.3	39.5

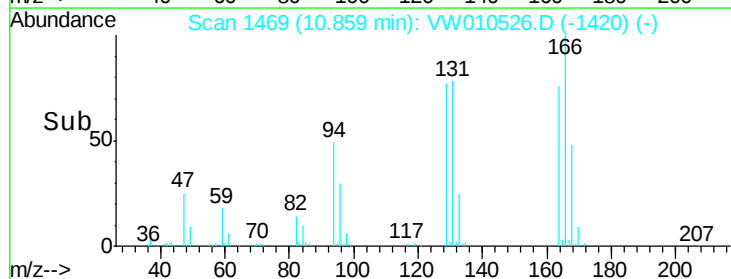
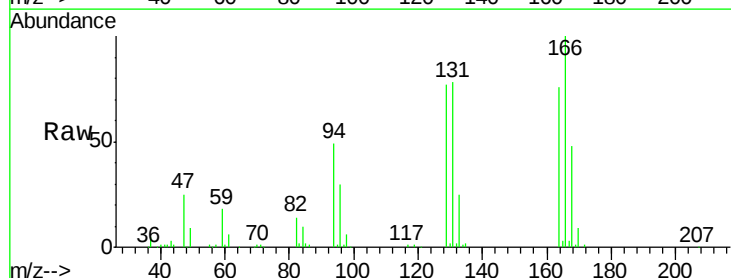
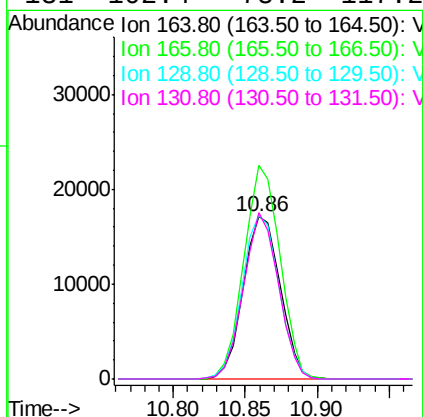
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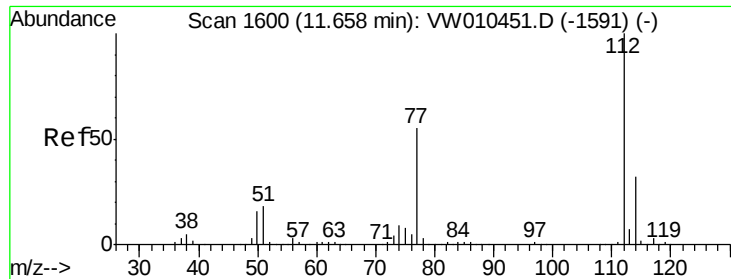
MMDadoda
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#64
Tetrachloroethene
Concen: 20.428 ug/l
RT: 10.86 min Scan# 1469
Delta R.T. -0.00 min
Lab File: VW010526.D
Acq: 23 May 2019 13:32

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	30478		
166	131.5		101.9	152.9
129	100.8		80.6	121.0
131	102.4		78.2	117.2





#65

Chlorobenzene

Concen: 20.592 ug/l

RT: 11.66 min Scan# 1600

Delta R.T. -0.00 min

Lab File: VW010526.D

Acq: 23 May 2019 13:32

Instrument :

MSVOA_W

ClientSampleId :

VW0523SBS01

Tot Ion:112 Resp: 93932

Ion Ratio Lower Upper

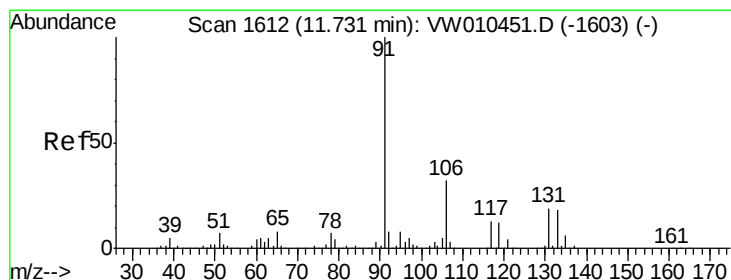
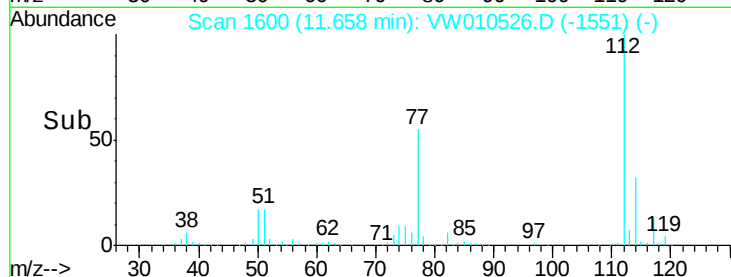
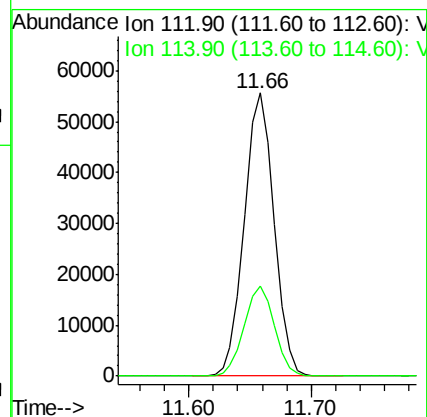
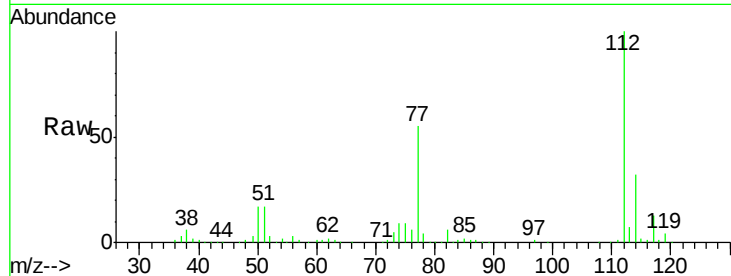
112 100

114 31.8 25.3 37.9

Manual Integrations
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#66

1,1,1,2-Tetrachloroethane

Concen: 20.394 ug/l

RT: 11.73 min Scan# 1612

Delta R.T. -0.00 min

Lab File: VW010526.D

Acq: 23 May 2019 13:32

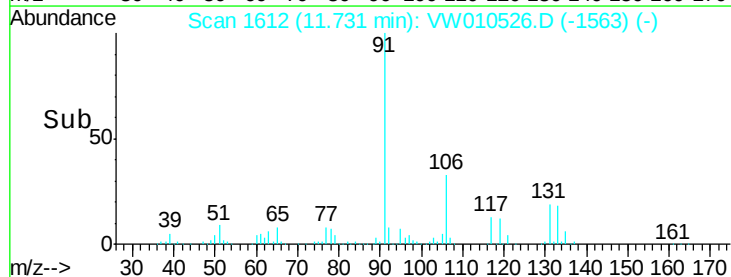
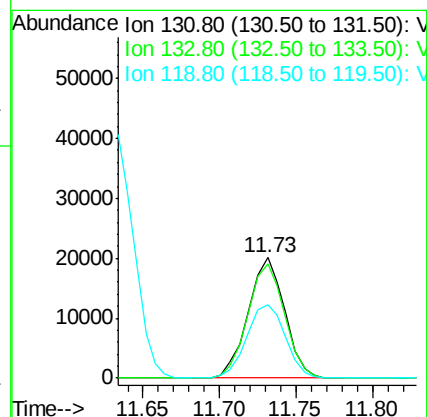
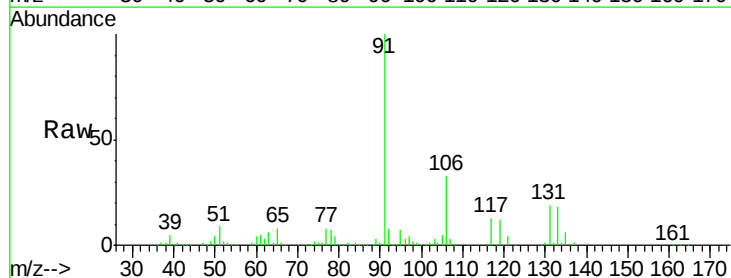
Tgt Ion:131 Resp: 33324

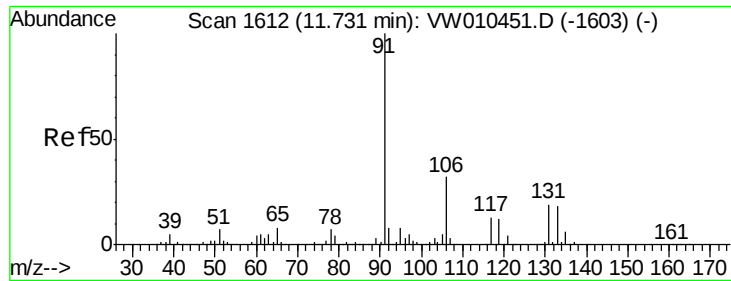
Ion Ratio Lower Upper

131 100

133 95.8 47.3 141.9

119 64.4 32.1 96.5





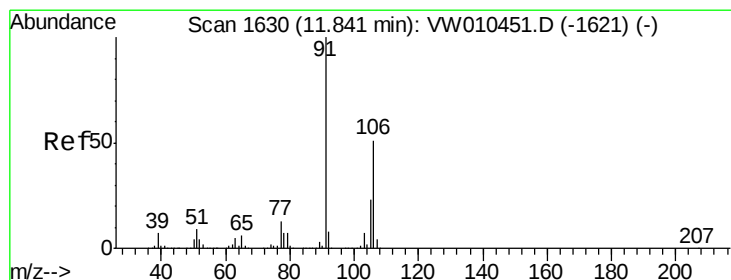
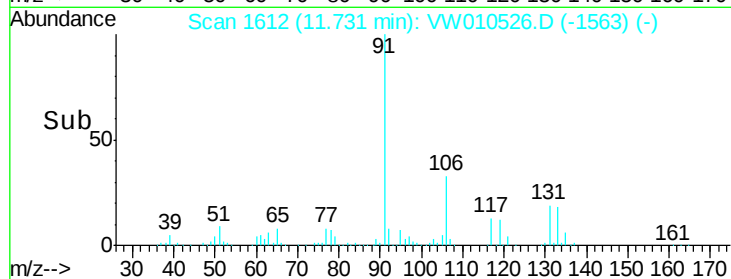
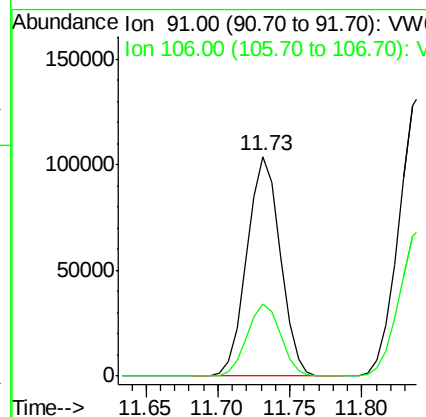
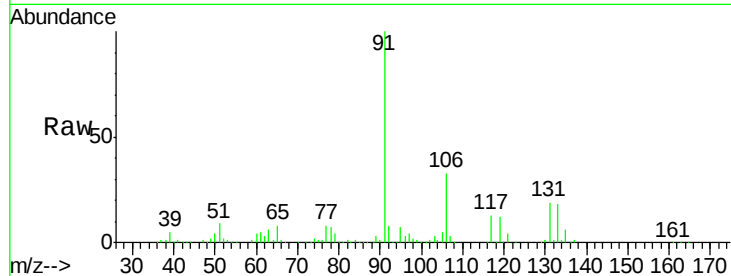
#67
Ethyl Benzene
Concen: 20.673 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. -0.00 min
Lab File: VW010526.D
Acq: 23 May 2019 13:32

Instrument :
MSVOA_W
ClientSampleId :
VW0523SBS01

Tot Ion	Ion	Ratio	Resp	Lower	Upper
91	100		166491		
106	32.6	25.9	38.9		

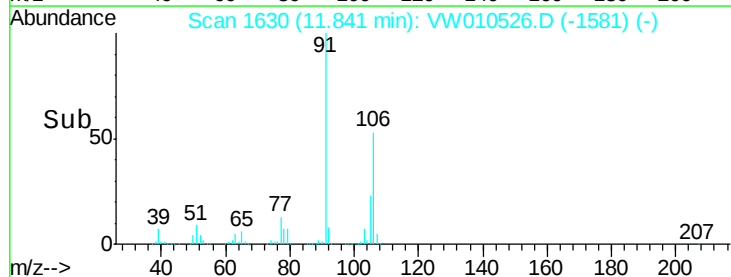
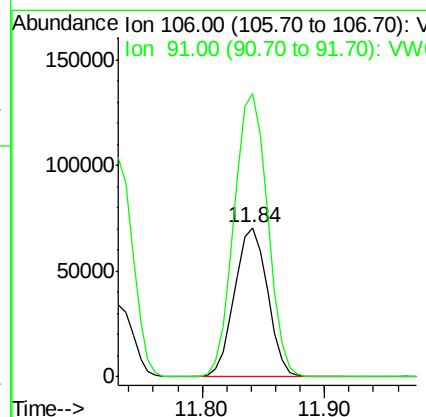
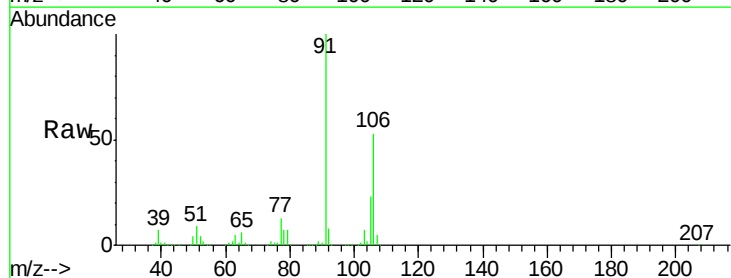
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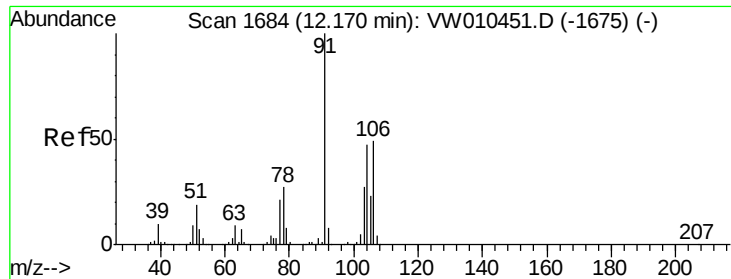
MMDadoda
5/24/2019 10:44:29 PM



#68
m/p-Xylenes
Concen: 41.634 ug/l
RT: 11.84 min Scan# 1630
Delta R.T. -0.00 min
Lab File: VW010526.D
Acq: 23 May 2019 13:32

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
106	100		131516		
91	193.1	156.0	234.0		





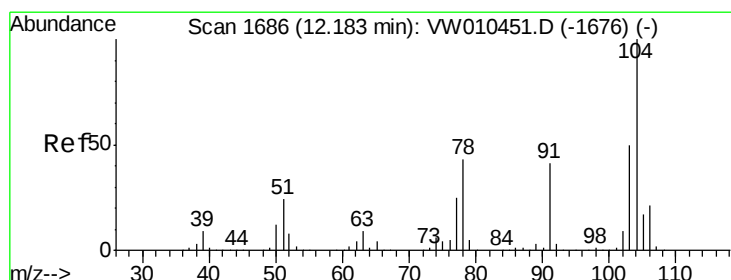
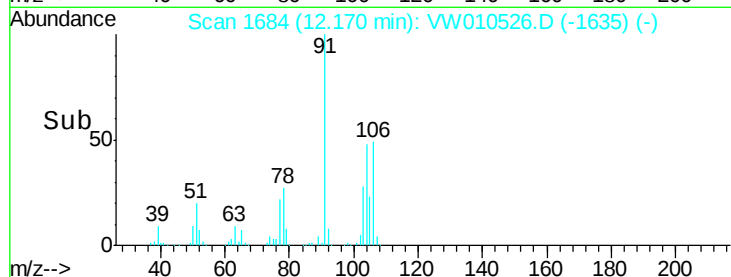
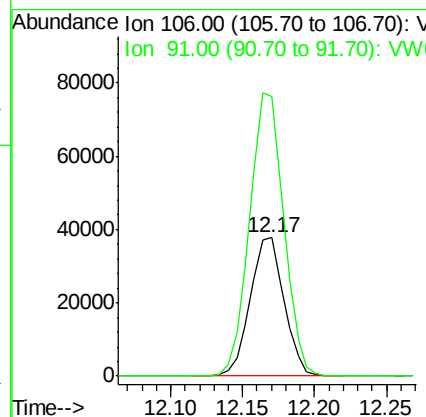
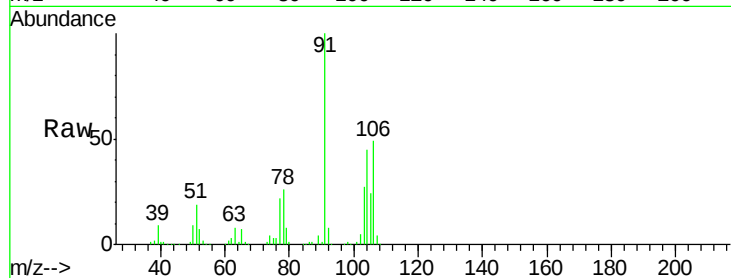
#69
o-Xylene
Concen: 20.516 ug/l
RT: 12.17 min Scan# 1684
Delta R.T. -0.00 min
Lab File: VW010526.D
Acq: 23 May 2019 13:32

Instrument :
MSVOA_W
ClientSampleId :
VW0523SBS01

Tot Ion:106 Resp: 61402
Ion Ratio Lower Upper
106 100
91 206.6 103.2 309.4

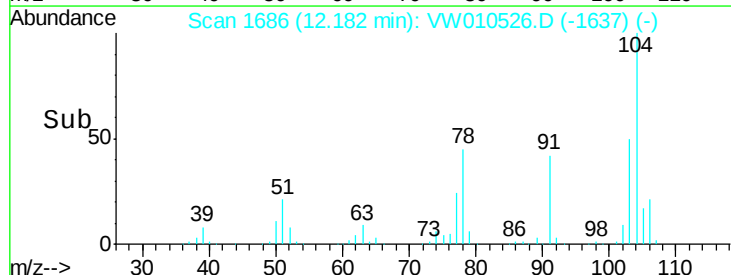
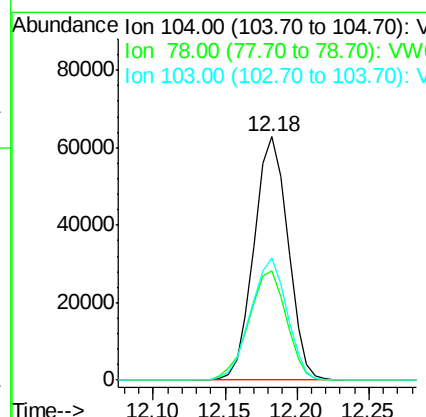
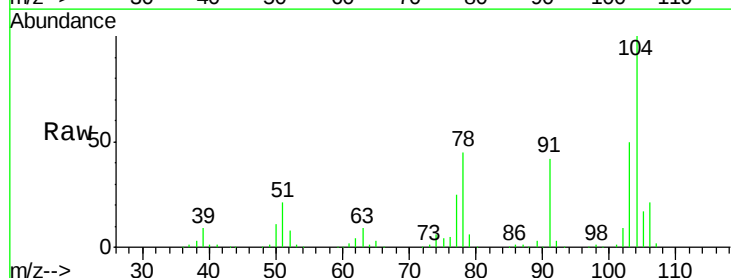
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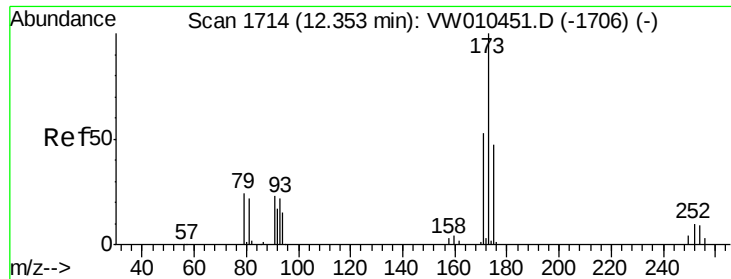
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#70
Styrene
Concen: 20.229 ug/l
RT: 12.18 min Scan# 1686
Delta R.T. -0.00 min
Lab File: VW010526.D
Acq: 23 May 2019 13:32

Tgt Ion:104 Resp: 102723
Ion Ratio Lower Upper
104 100
78 49.5 39.0 58.4
103 53.6 43.0 64.6





#71

Bromoform

Concen: 17.257 ug/l

RT: 12.35 min Scan# 1714

Delta R.T. -0.00 min

Lab File: VW010526.D

Acq: 23 May 2019 13:32

Instrument :

MSVOA_W

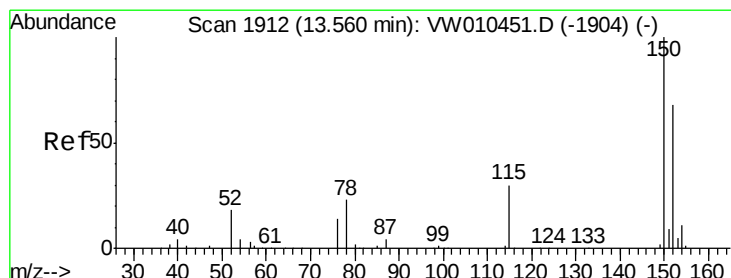
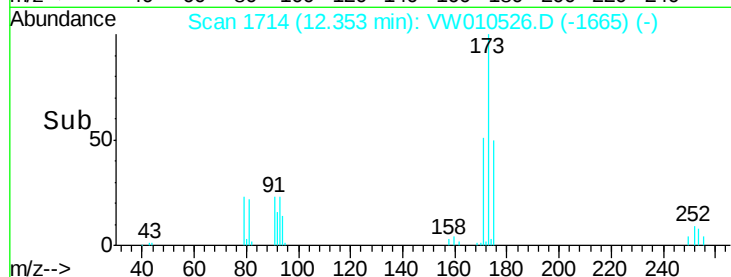
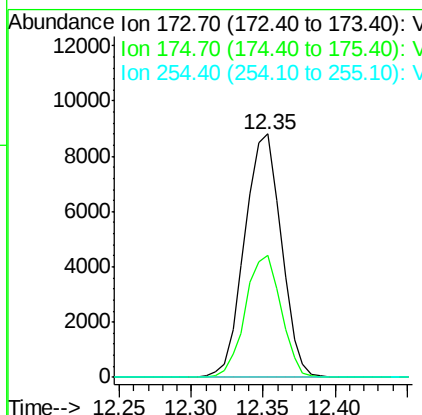
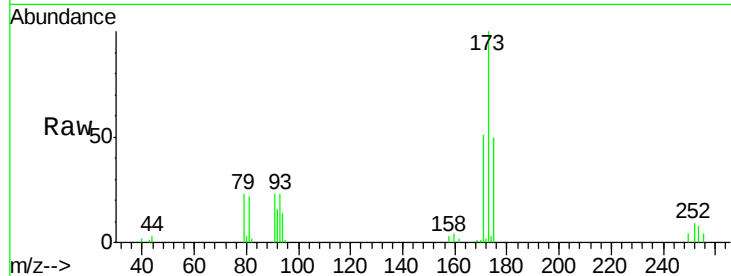
ClientSampleId :

VW0523SBS01

Tot Ion:	173	Resp:	15528
Ion Ratio	Lower	Upper	
173	100		
175	48.8	24.4	73.4
254	0.0	0.0	0.0

Manual Integrations
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#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

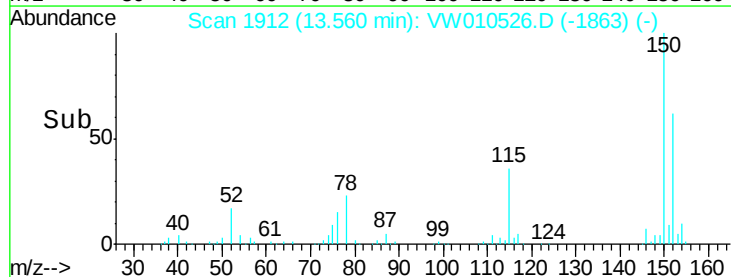
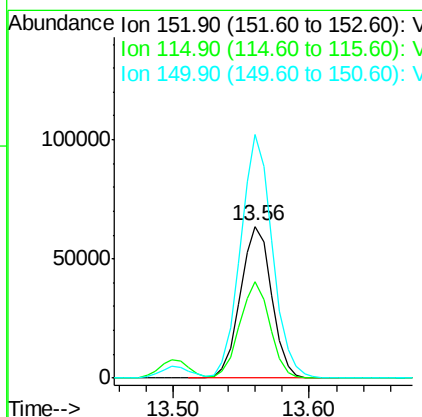
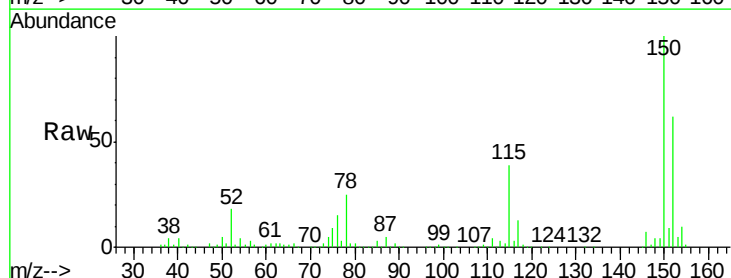
RT: 13.56 min Scan# 1912

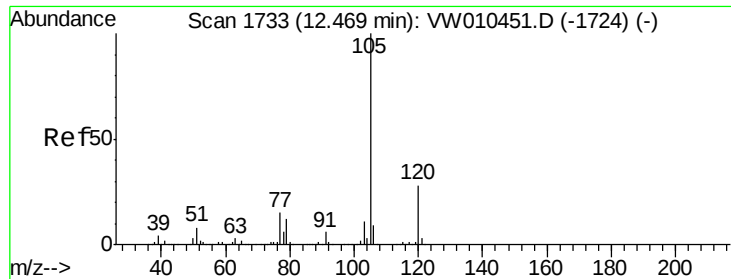
Delta R.T. -0.00 min

Lab File: VW010526.D

Acq: 23 May 2019 13:32

Tgt Ion:	152	Resp:	101921
Ion Ratio	Lower	Upper	
152	100		
115	61.1	30.3	91.0
150	163.5	0.0	349.8





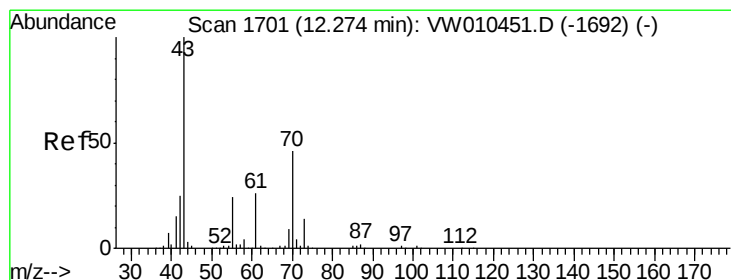
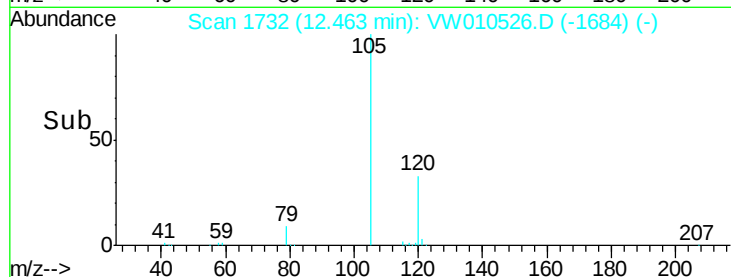
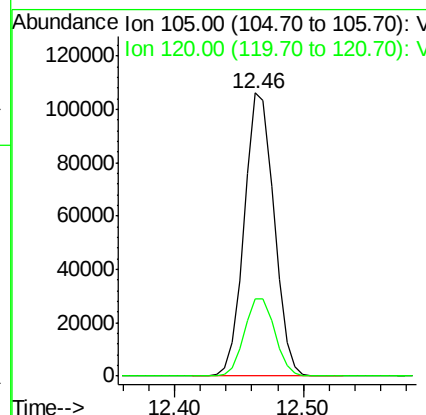
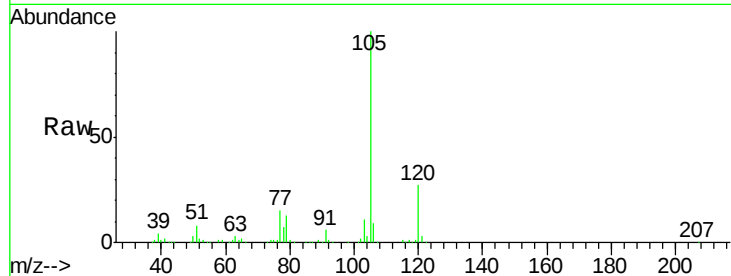
#73
Isopropylbenzene
Concen: 20.915 ug/l
RT: 12.46 min Scan# 1732
Delta R.T. -0.01 min
Lab File: VW010526.D
Acq: 23 May 2019 13:32

Instrument :
MSVOA_W
ClientSampleId :
VW0523SBS01

Tot Ion	Ratio	Resp	Lower	Upper
105	100	169159		
120	27.9	13.9	41.7	

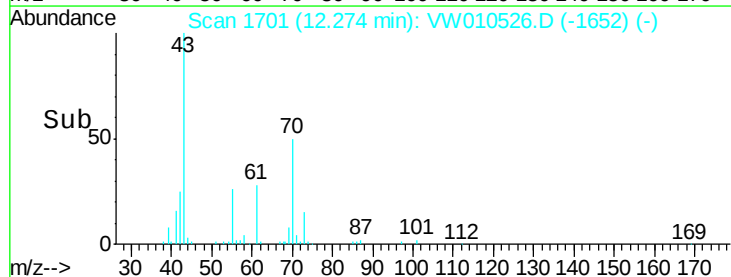
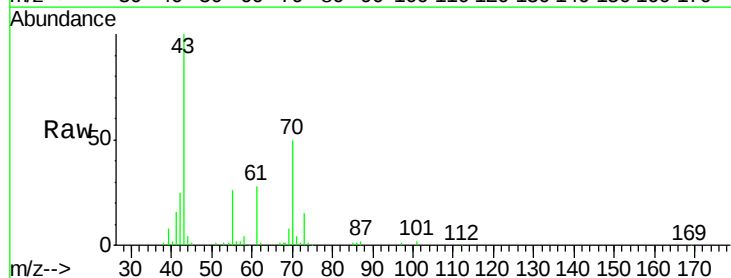
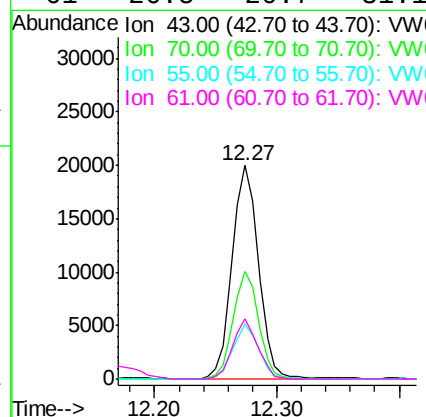
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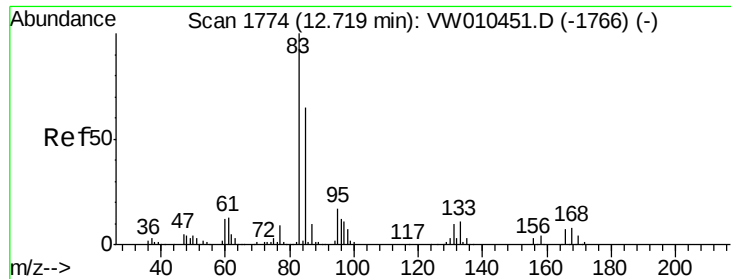
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#74
N-ethyl acetate
Concen: 16.147 ug/l
RT: 12.27 min Scan# 1701
Delta R.T. -0.00 min
Lab File: VW010526.D
Acq: 23 May 2019 13:32

Tgt Ion	Ratio	Resp	Lower	Upper
43	100	29926		
70	48.5	37.1	55.7	
55	25.0	19.6	29.4	
61	26.5	20.7	31.1	





#75

1,1,2,2-Tetrachloroethane

Concen: 17.741 ug/l

RT: 12.71 min Scan# 1773

Delta R.T. -0.01 min

Lab File: VW010526.D

Acq: 23 May 2019 13:32

Instrument :

MSVOA_W

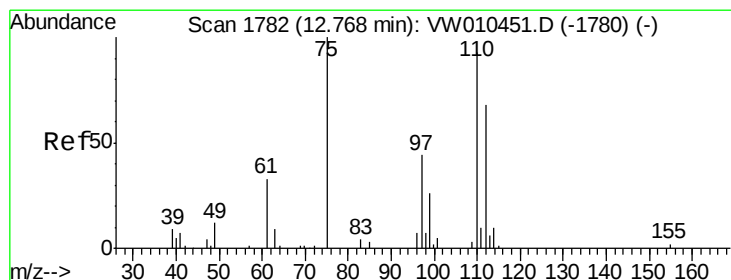
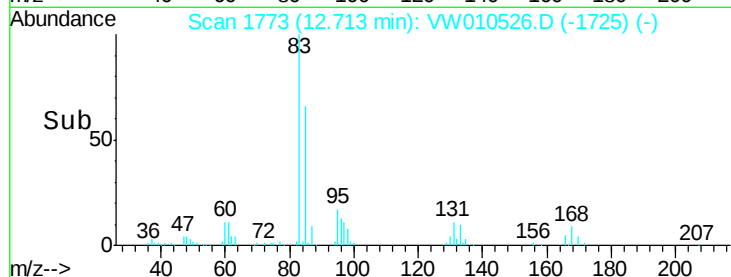
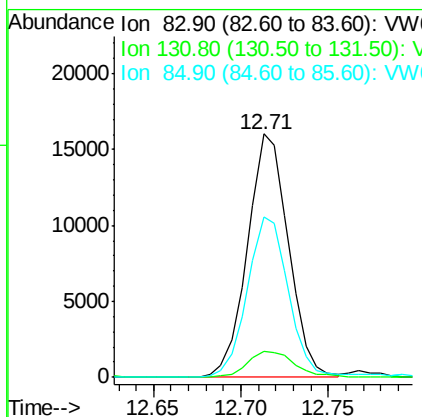
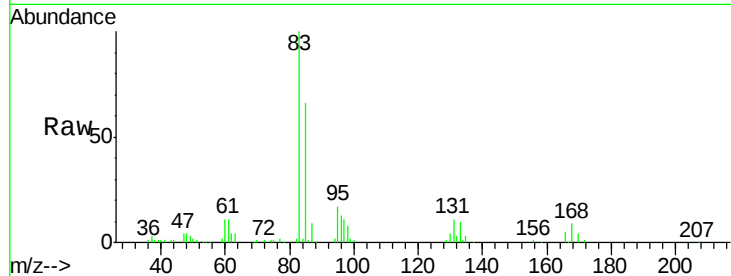
ClientSampleId :

VW0523SBS01

Tot Ion:	83	Resp:	26098
Ion Ratio	Lower	Upper	
83	100		
131	12.3	5.6	16.8
85	66.0	32.4	97.0

Manual Integrations
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5/24/2019 10:44:29 PM



#76

1,2,3-Trichloropropane

Concen: 17.927 ug/l m

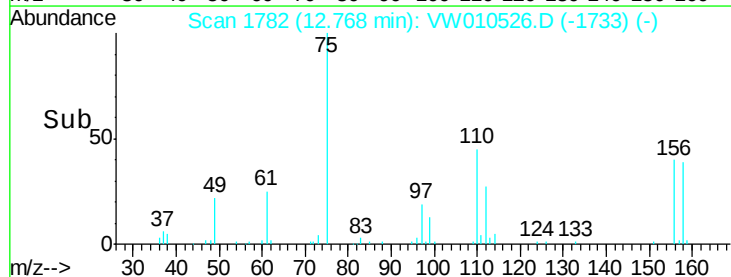
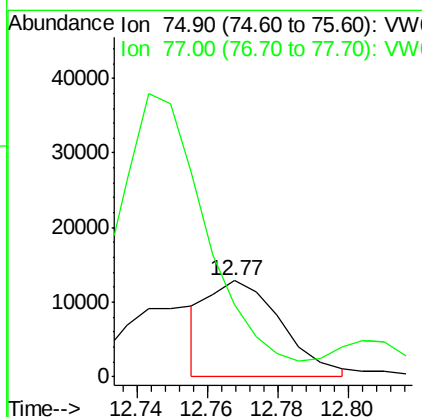
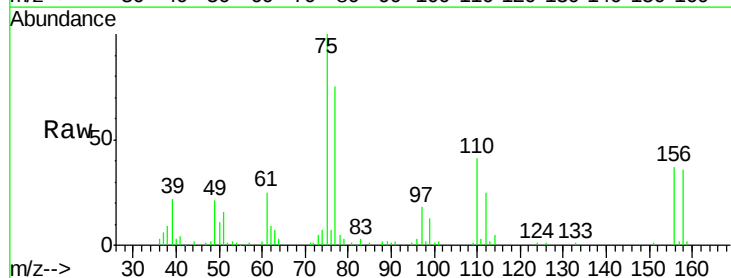
RT: 12.77 min Scan# 1782

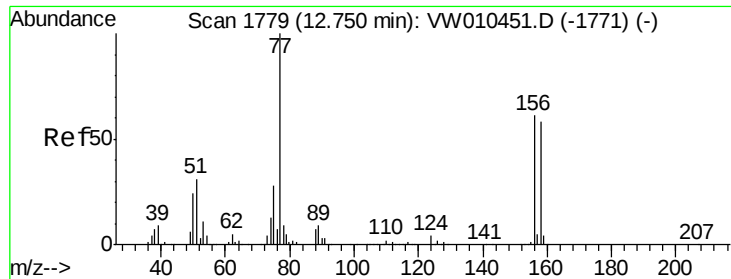
Delta R.T. -0.00 min

Lab File: VW010526.D

Acq: 23 May 2019 13:32

Tgt Ion:	75	Resp:	18547
Ion Ratio	Lower	Upper	
75	100		
77	0.0	170.0	510.1#





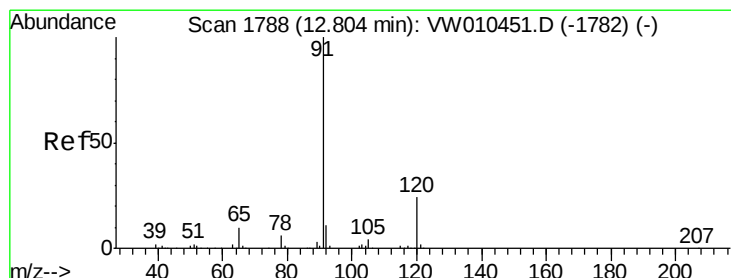
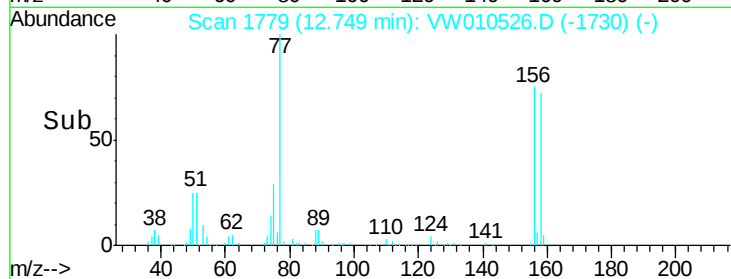
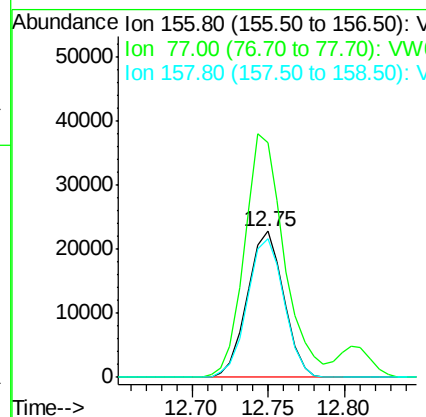
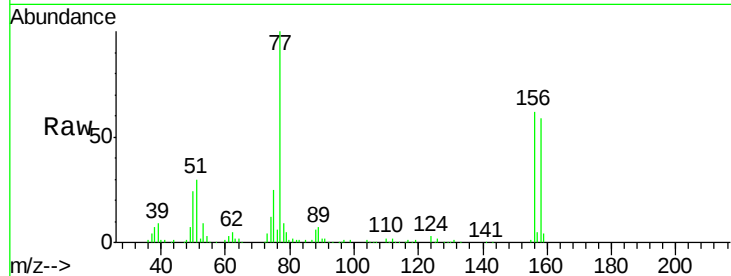
#77
Bromobenzene
Concen: 20.786 ug/l
RT: 12.75 min Scan# 1779
Delta R.T. -0.00 min
Lab File: VW010526.D
Acq: 23 May 2019 13:32

Instrument :
MSVOA_W
ClientSampled :
VW0523SBS01

Tot Ion	Ion	Ratio	Lower	Upper
156	100			
77	180.9	92.4	277.2	
158	96.0	48.3	144.8	

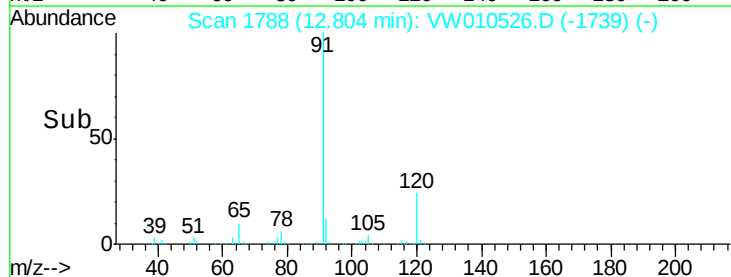
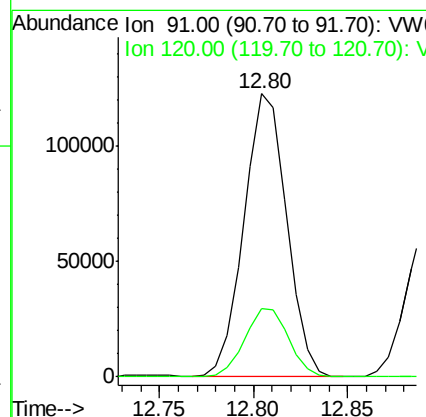
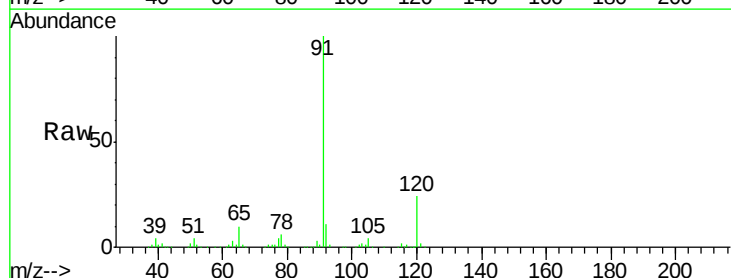
Manual Integrations
APPROVED

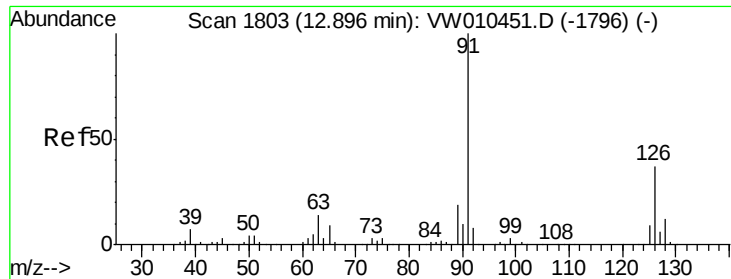
MMDadoda
5/24/2019 10:44:29 PM



#78
n-propylbenzene
Concen: 20.468 ug/l
RT: 12.80 min Scan# 1788
Delta R.T. -0.00 min
Lab File: VW010526.D
Acq: 23 May 2019 13:32

Tgt Ion	Ion	Ratio	Lower	Upper
91	100			
120	24.7	12.3	36.8	





#79

2-Chlorotoluene

Concen: 20.538 ug/l

RT: 12.90 min Scan# 1803

Delta R.T. -0.00 min

Lab File: VW010526.D

Acq: 23 May 2019 13:32

Instrument :

MSVOA_W

ClientSampled :

VW0523SBS01

Tot Ion: 91 Resp: 112258

Ion Ratio Lower Upper

91 100

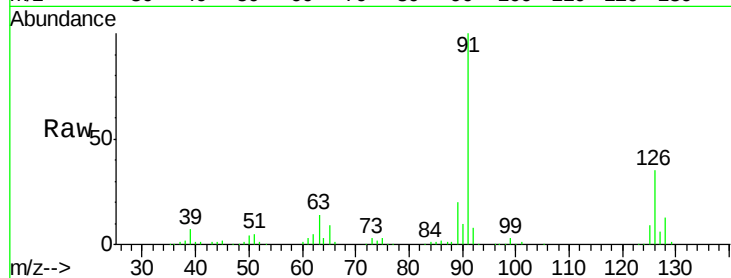
126 35.6 17.4 52.3

Manual Integrations

APPROVED

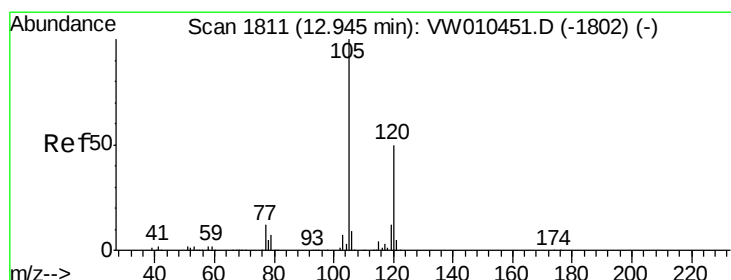
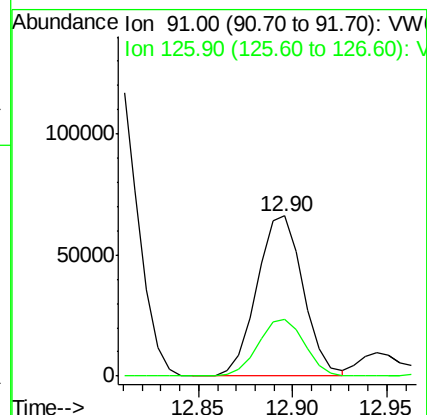
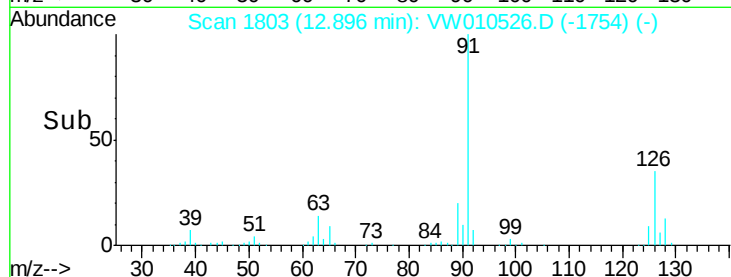
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Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 125.90 (125.60 to 126.60): V



#80

1,3,5-Trimethylbenzene

Concen: 20.772 ug/l

RT: 12.94 min Scan# 1811

Delta R.T. -0.00 min

Lab File: VW010526.D

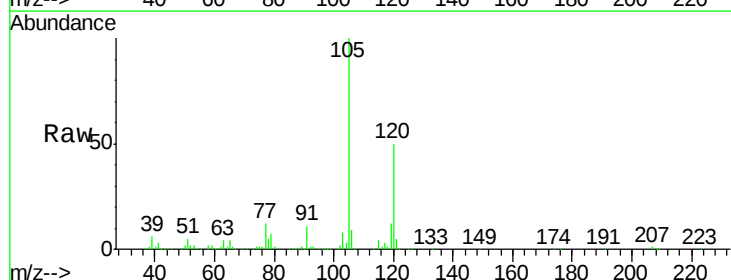
Acq: 23 May 2019 13:32

Tgt Ion:105 Resp: 142283

Ion Ratio Lower Upper

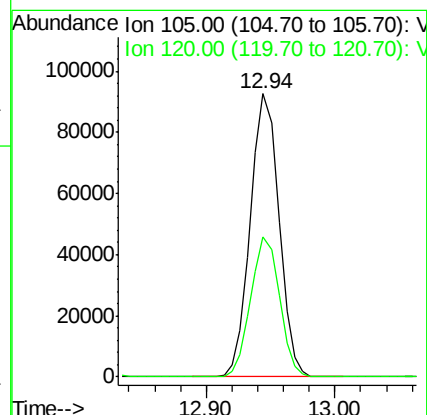
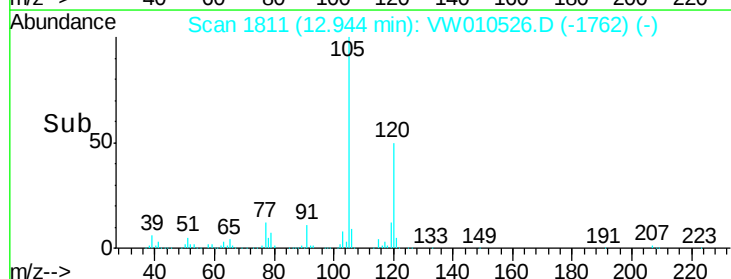
105 100

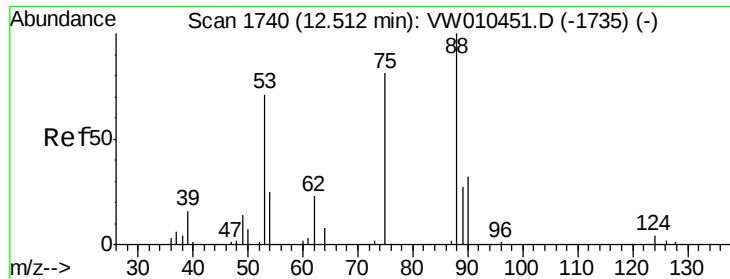
120 49.8 25.2 75.6



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





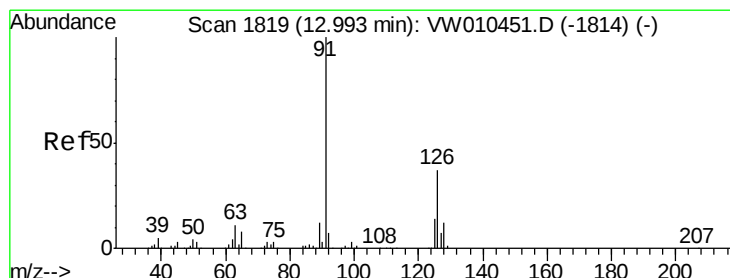
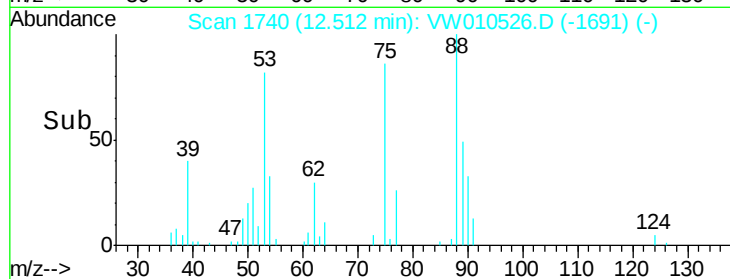
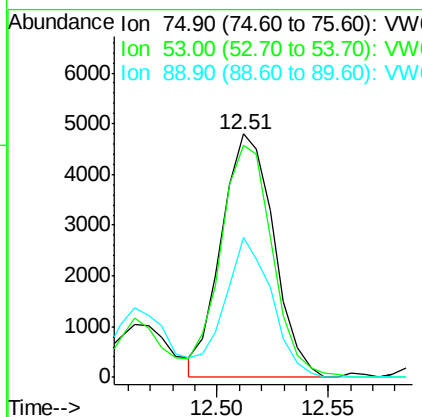
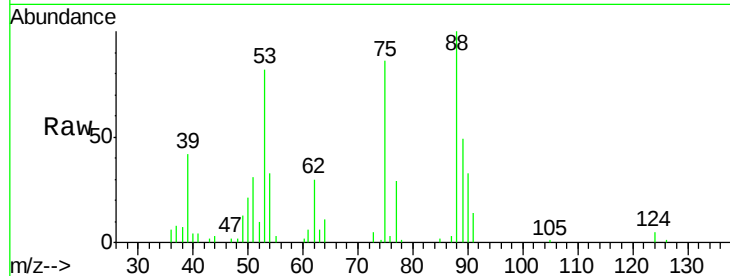
#81
trans-1,4-Dichloro-2-butene
Concen: 15.808 ug/l
RT: 12.51 min Scan# 1740
Delta R.T. -0.00 min
Lab File: VW010526.D
Acq: 23 May 2019 13:32

Instrument :
MSVOA_W
ClientSampleId :
VW0523SBS01

Tot Ion	Ratio	Lower	Upper
75	100		
53	94.2	69.8	104.8
89	52.0	39.5	59.3

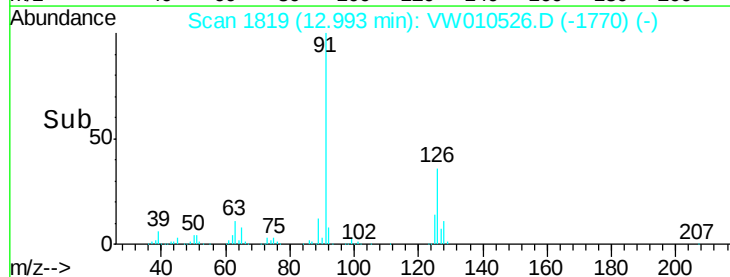
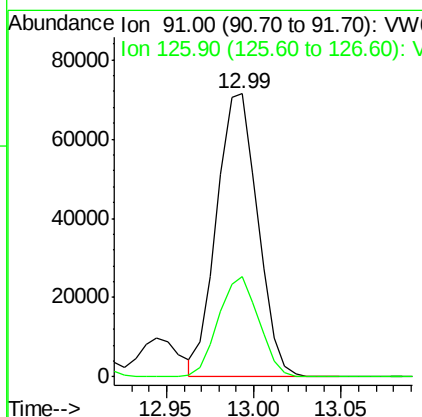
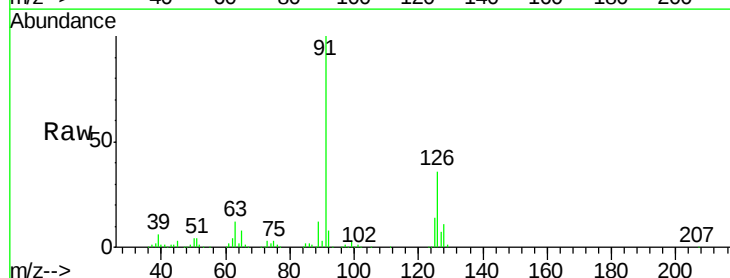
Manual Integrations
APPROVED

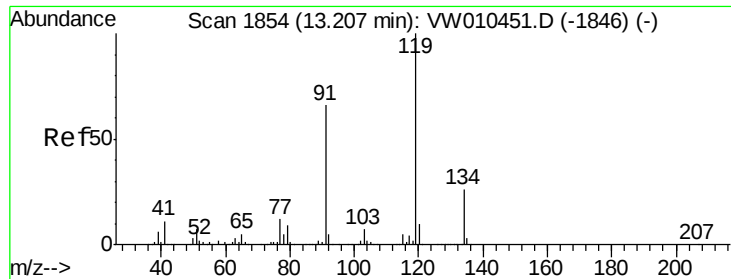
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#82
4-Chlorotoluene
Concen: 20.612 ug/l
RT: 12.99 min Scan# 1819
Delta R.T. -0.00 min
Lab File: VW010526.D
Acq: 23 May 2019 13:32

Tgt Ion	Ratio	Lower	Upper
91	100		
126	35.0	17.5	52.6





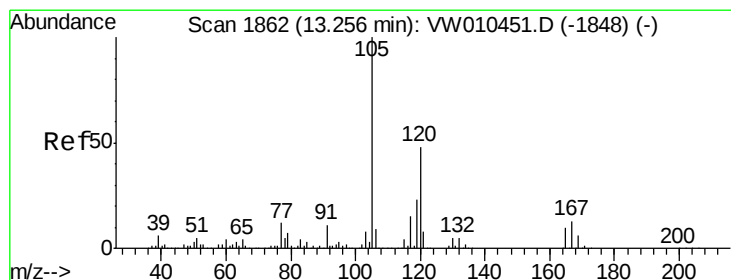
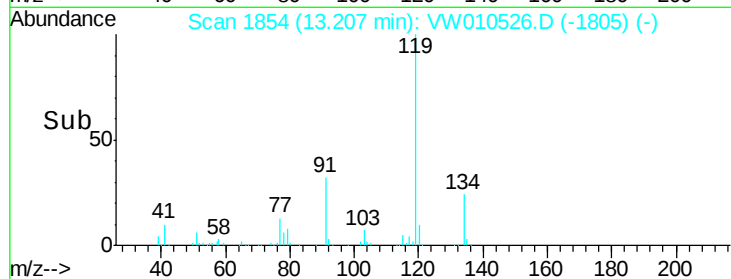
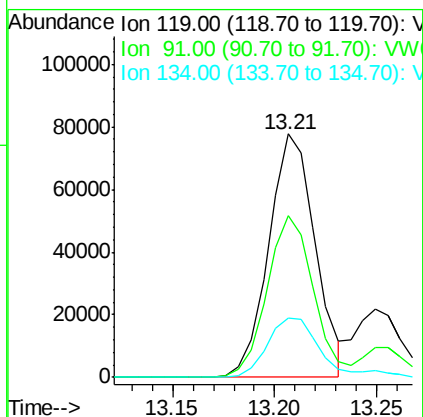
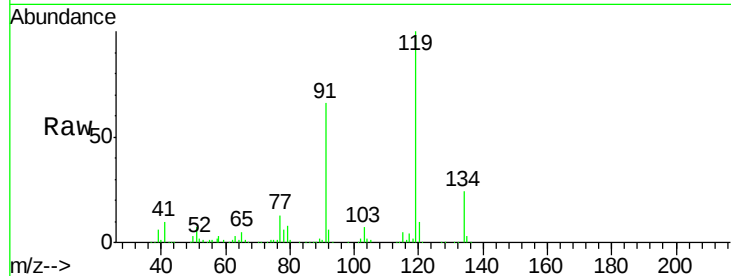
#83
 tert-Butylbenzene
 Concen: 20.571 ug/l
 RT: 13.21 min Scan# 1854
 Delta R.T. -0.00 min
 Lab File: VW010526.D
 Acq: 23 May 2019 13:32

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0523SBS01

Tot Ion	Ratio	Resp	Lower	Upper
119	100	123085		
91	66.8		33.1	99.5
134	28.0		13.9	41.6

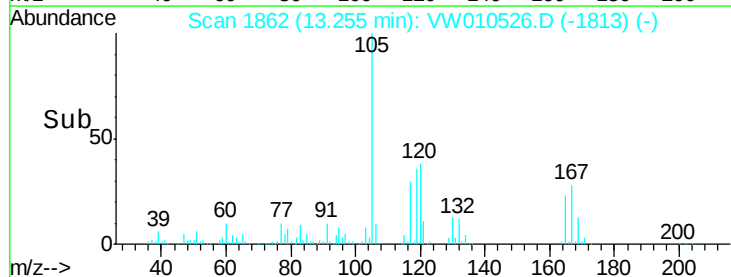
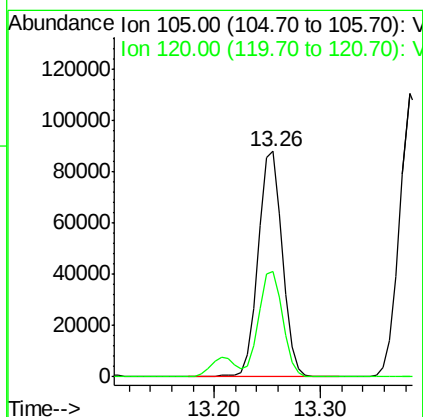
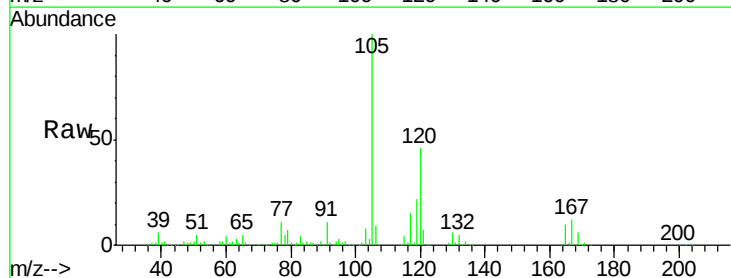
Manual Integrations
 APPROVED

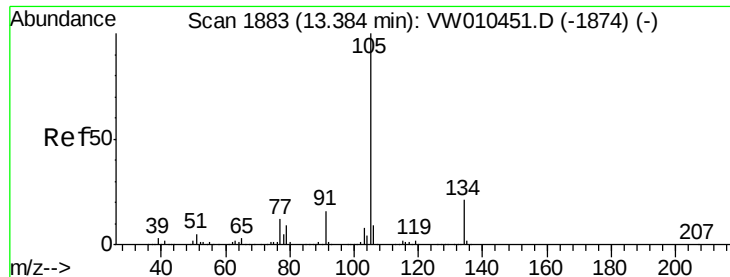
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#84
 1,2,4-Trimethylbenzene
 Concen: 20.619 ug/l
 RT: 13.26 min Scan# 1862
 Delta R.T. -0.00 min
 Lab File: VW010526.D
 Acq: 23 May 2019 13:32

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	140670		
120	46.7		23.4	70.2





#85

sec-Butylbenzene

Concen: 20.679 ug/l

RT: 13.38 min Scan# 1883

Delta R.T. -0.00 min

Lab File: VW010526.D

Acq: 23 May 2019 13:32

Instrument :

MSVOA_W

ClientSampleId :

VW0523SBS01

Tot Ion:105 Resp: 173156

Ion Ratio Lower Upper

105 100

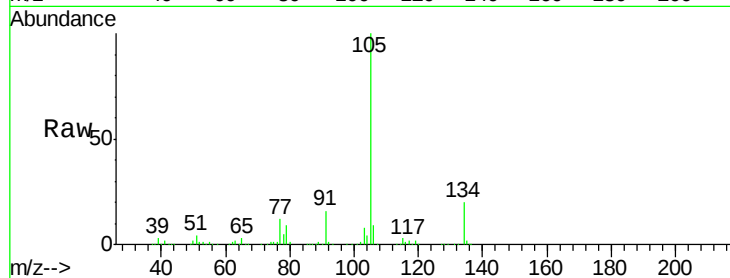
134 20.8 10.5 31.6

Manual Integrations

APPROVED

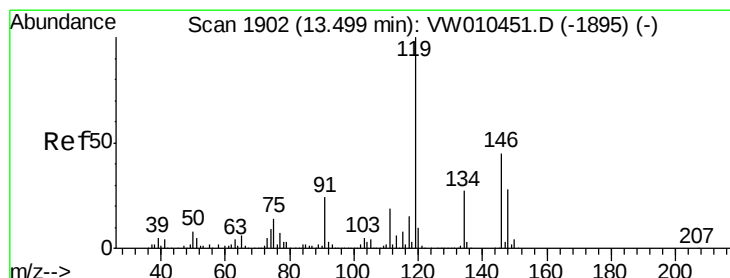
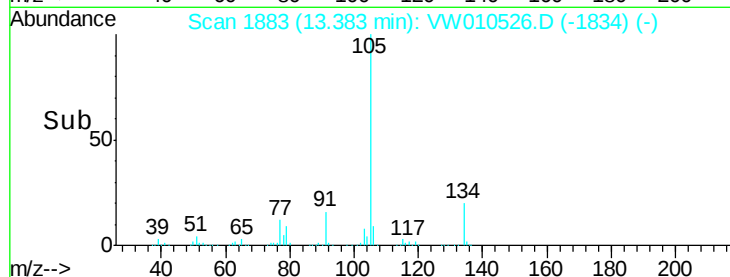
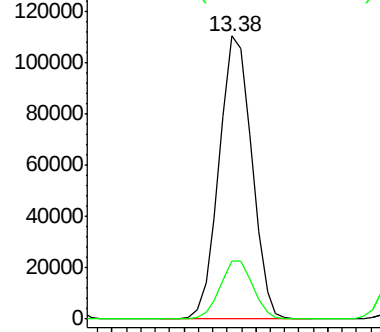
MMDadoda

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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 20.742 ug/l

RT: 13.50 min Scan# 1902

Delta R.T. -0.00 min

Lab File: VW010526.D

Acq: 23 May 2019 13:32

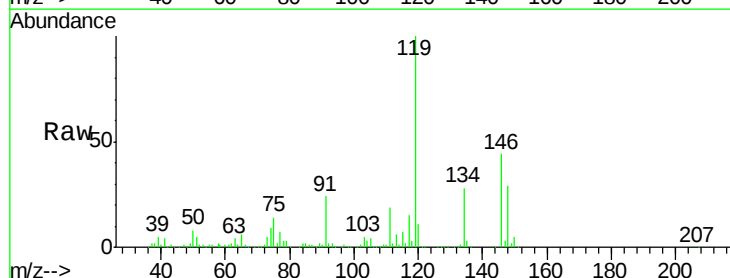
Tgt Ion:119 Resp: 157202

Ion Ratio Lower Upper

119 100

134 27.3 13.6 40.7

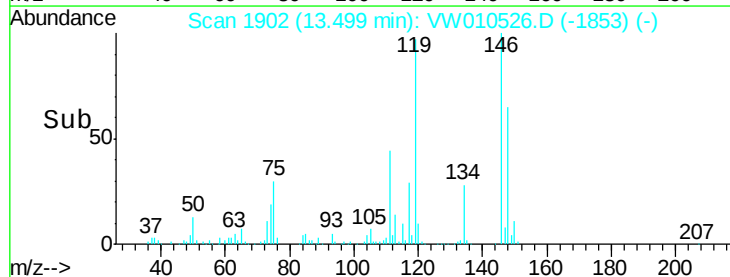
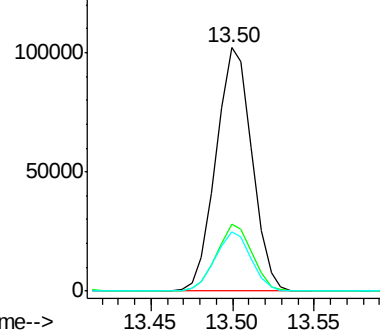
91 24.2 11.9 35.7

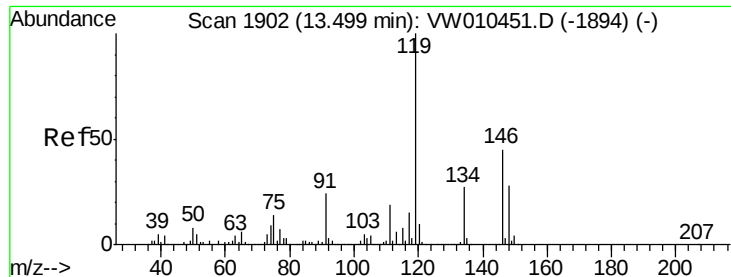


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V





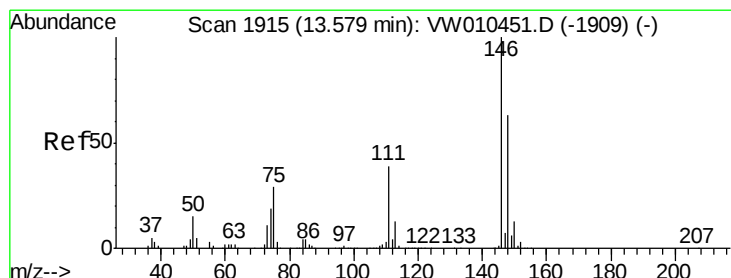
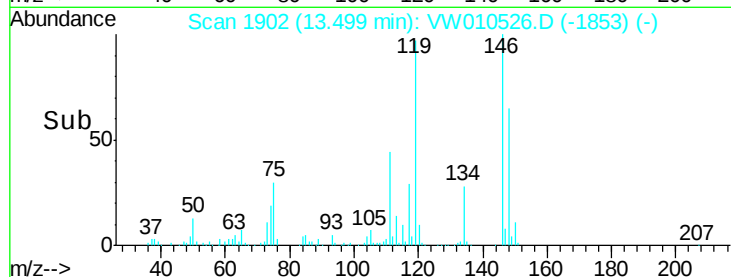
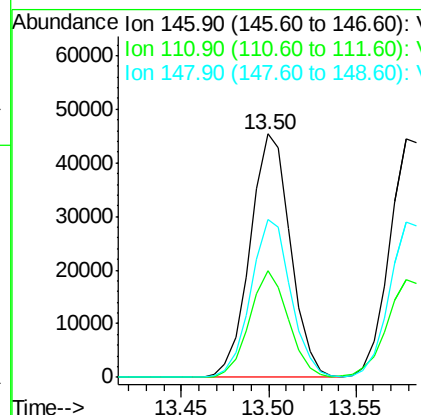
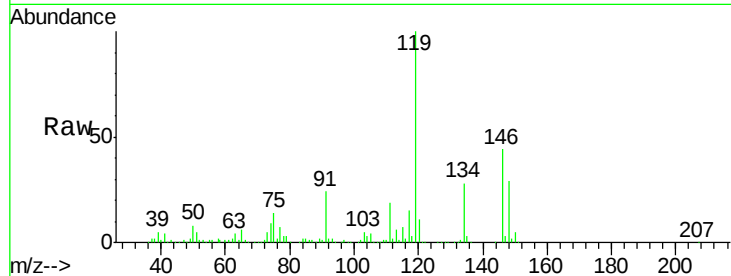
#87
 1,3-Dichlorobenzene
 Concen: 20.608 ug/l
 RT: 13.50 min Scan# 1902
 Delta R.T. -0.00 min
 Lab File: VW010526.D
 Acq: 23 May 2019 13:32

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0523SBS01

Tot Ion	Ratio	Lower	Upper
146	100		
111	41.9	20.3	60.9
148	64.5	31.6	94.8

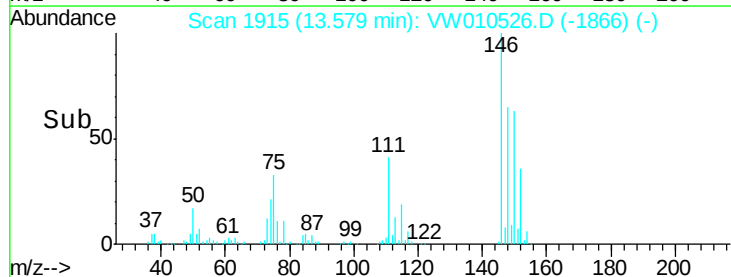
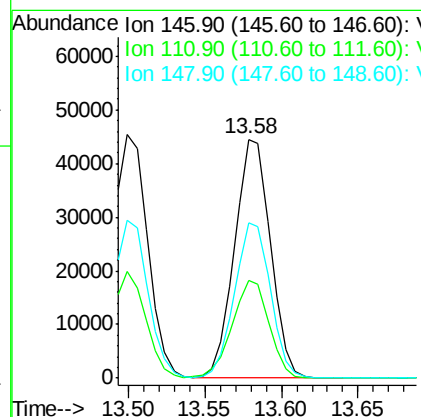
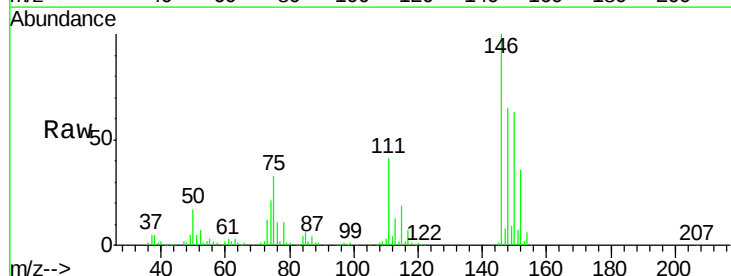
Manual Integrations
 APPROVED

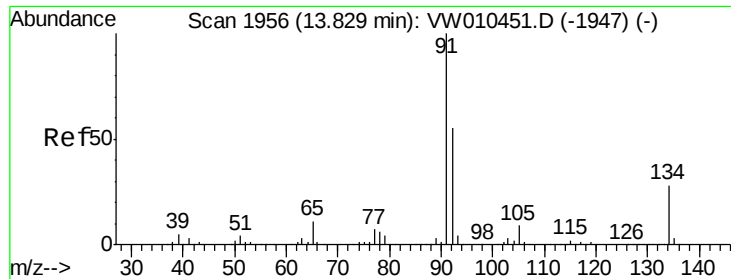
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#88
 1,4-Dichlorobenzene
 Concen: 20.361 ug/l
 RT: 13.58 min Scan# 1915
 Delta R.T. -0.00 min
 Lab File: VW010526.D
 Acq: 23 May 2019 13:32

Tgt Ion	Ratio	Lower	Upper
146	100		
111	42.1	19.9	59.6
148	65.0	31.6	94.8





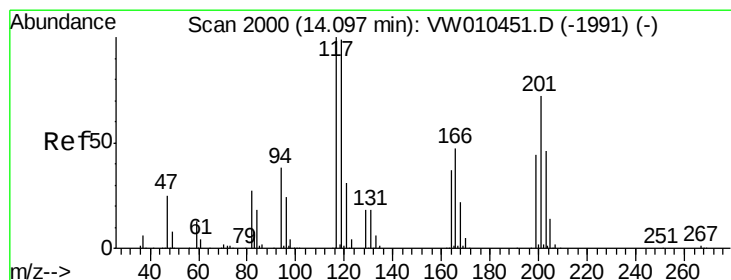
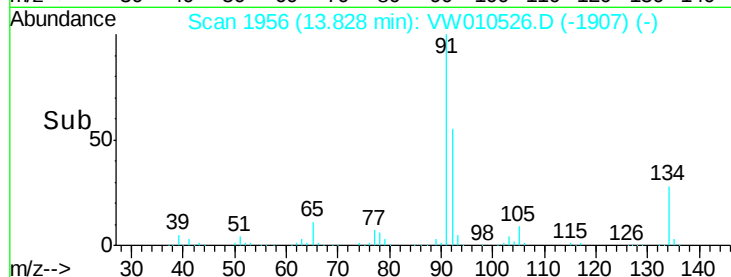
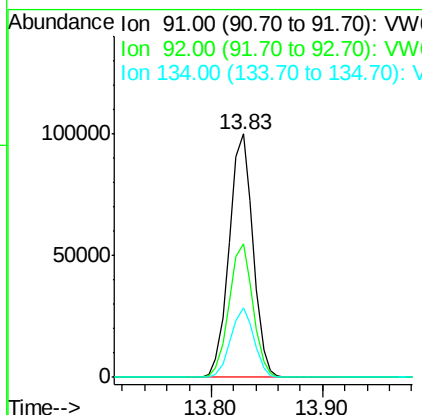
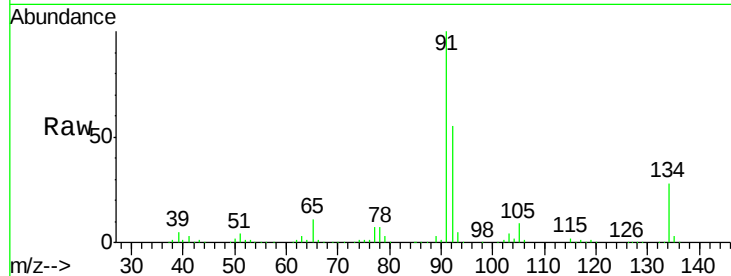
#89
n-Butylbenzene
Concen: 20.485 ug/l
RT: 13.83 min Scan# 1956
Delta R.T. -0.00 min
Lab File: VW010526.D
Acq: 23 May 2019 13:32

Instrument :
MSVOA_W
ClientSampleId :
VW0523SBS01

Tot Ion	Ratio	Lower	Upper
91	100		
92	54.9	27.7	83.1
134	28.1	13.9	41.6

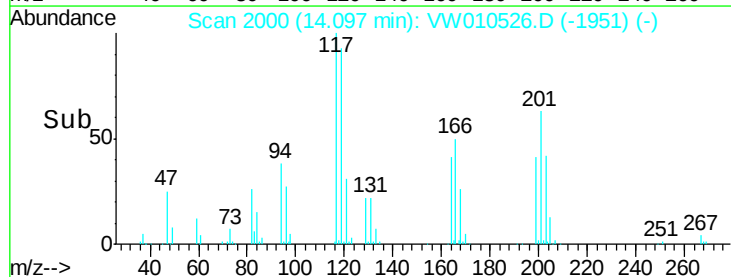
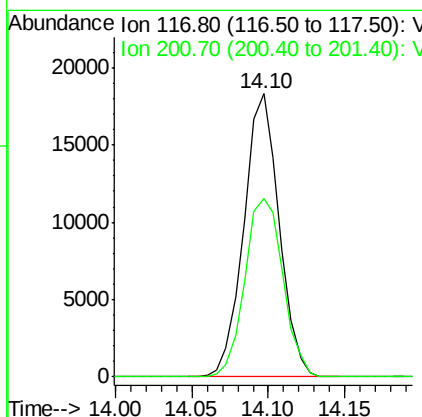
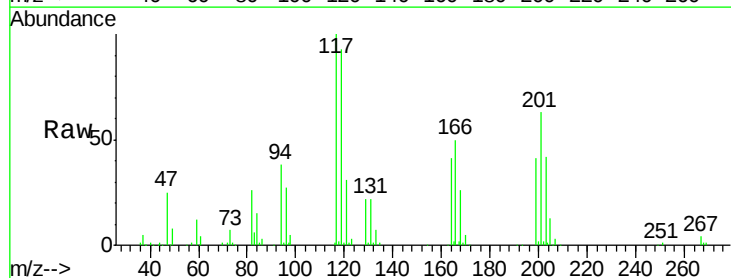
Manual Integrations
APPROVED

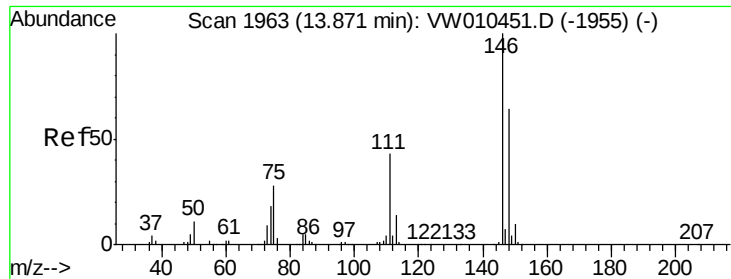
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#90
Hexachloroethane
Concen: 20.060 ug/l
RT: 14.10 min Scan# 2000
Delta R.T. -0.00 min
Lab File: VW010526.D
Acq: 23 May 2019 13:32

Tgt Ion	Ratio	Lower	Upper
117	100		
201	67.7	34.6	103.8





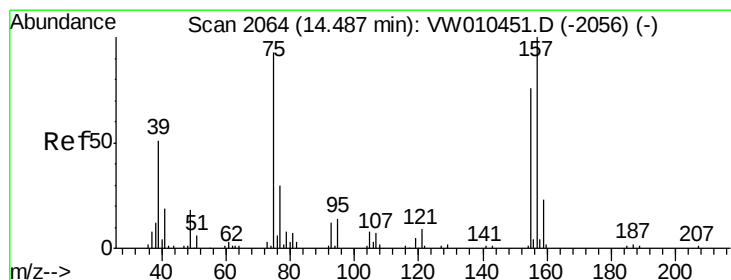
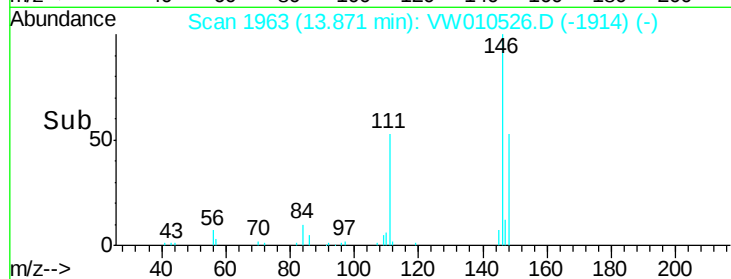
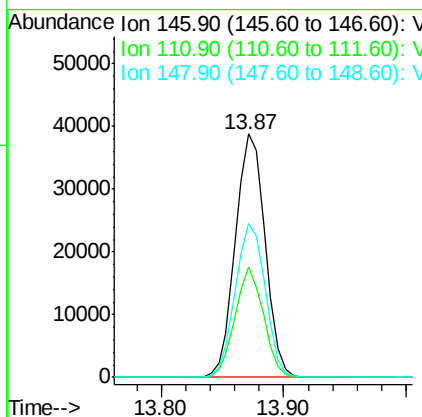
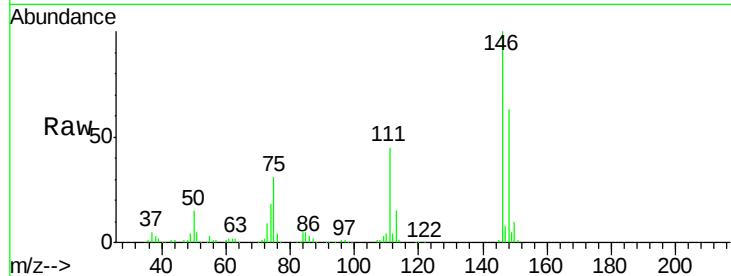
#91
 1,2-Dichlorobenzene
 Concen: 20.166 ug/l
 RT: 13.87 min Scan# 1963
 Delta R.T. -0.00 min
 Lab File: VW010526.D
 Acq: 23 May 2019 13:32

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0523SBS01

Tot Ion	Ratio	Lower	Upper
146	100		
111	43.0	21.3	64.0
148	63.6	32.0	96.0

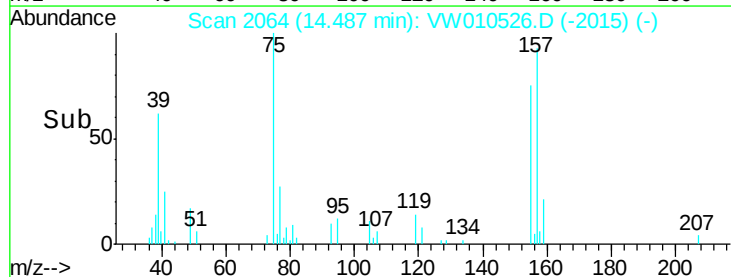
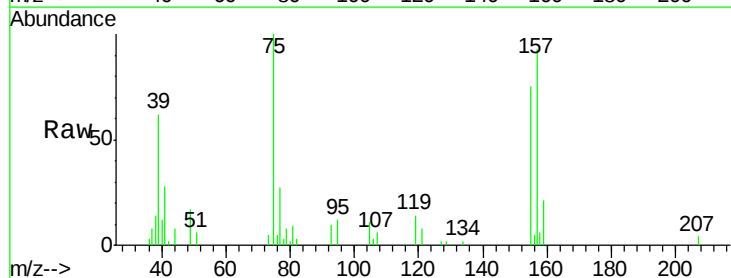
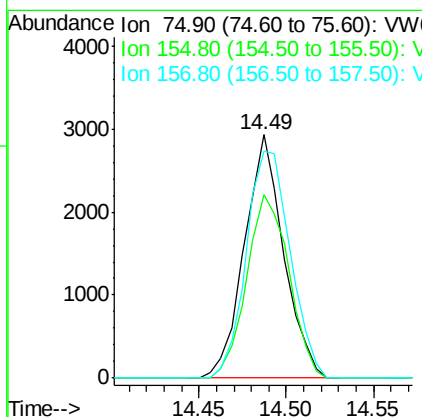
Manual Integrations
 APPROVED

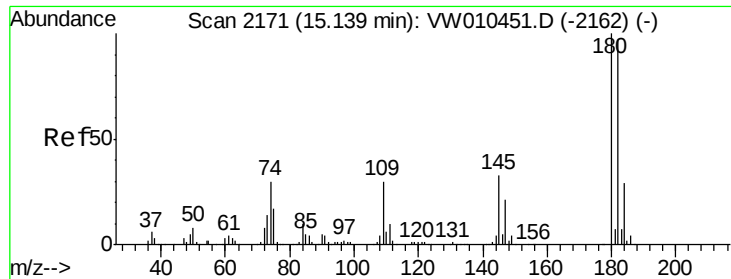
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 16.678 ug/l
 RT: 14.49 min Scan# 2064
 Delta R.T. -0.00 min
 Lab File: VW010526.D
 Acq: 23 May 2019 13:32

Tgt Ion	Ratio	Lower	Upper
75	100		
155	80.8	43.0	129.0
157	104.7	55.7	167.1





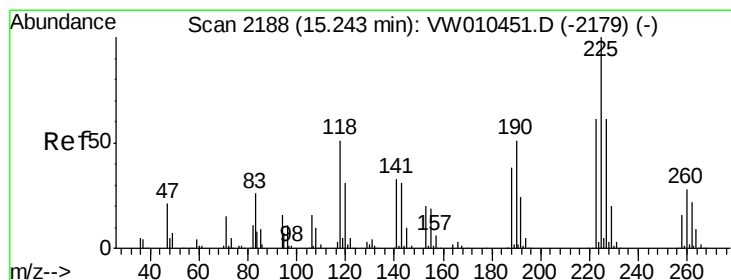
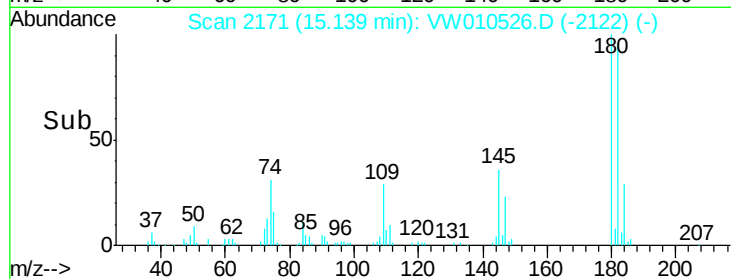
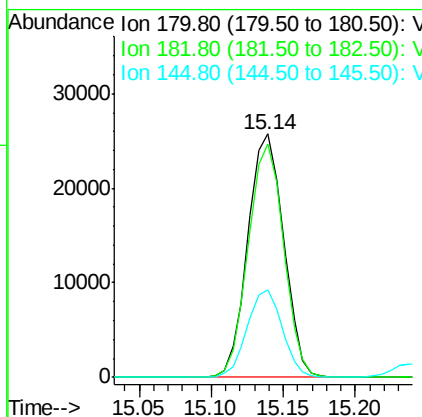
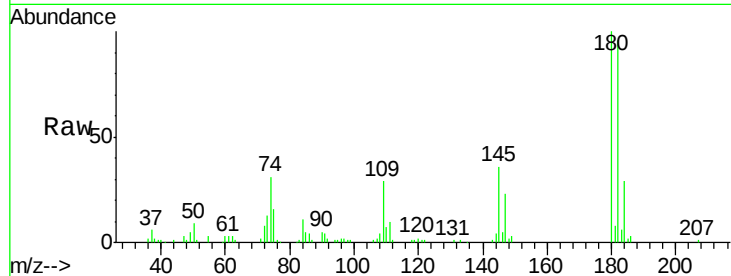
#93
 1,2,4-Trichlorobenzene
 Concen: 20.095 ug/l
 RT: 15.14 min Scan# 2171
 Delta R.T. -0.00 min
 Lab File: VW010526.D
 Acq: 23 May 2019 13:32

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0523SBS01

Tot Ion	Ratio	Lower	Upper
180	100		
182	94.7	47.0	141.2
145	35.2	16.7	50.0

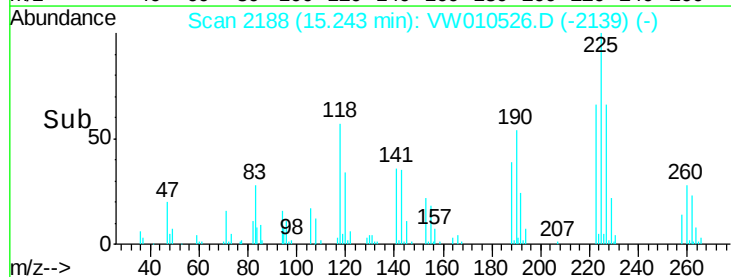
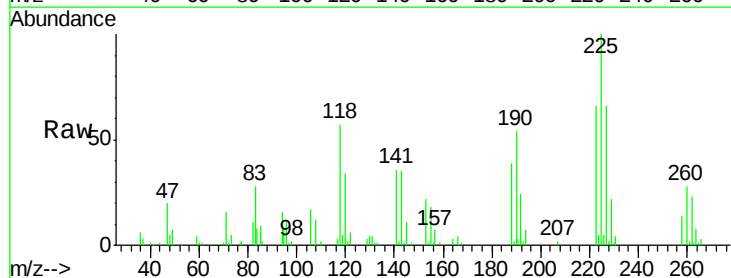
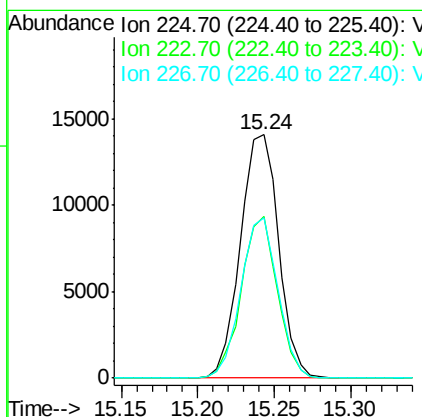
Manual Integrations
 APPROVED

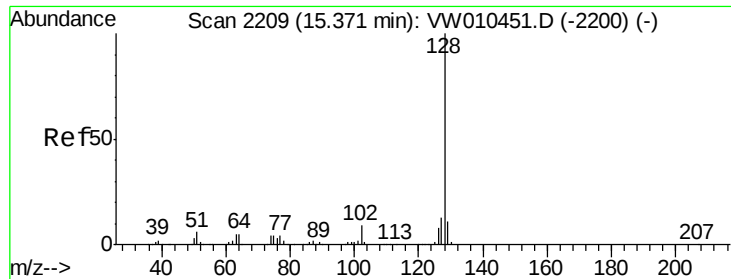
MMDadoda
 5/24/2019 10:44:29 PM



#94
 Hexachlorobutadiene
 Concen: 20.802 ug/l
 RT: 15.24 min Scan# 2188
 Delta R.T. -0.00 min
 Lab File: VW010526.D
 Acq: 23 May 2019 13:32

Tgt Ion	Ratio	Lower	Upper
225	100		
223	62.8	31.1	93.2
227	63.9	31.1	93.5





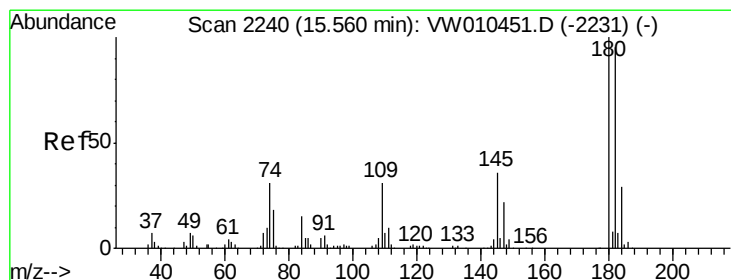
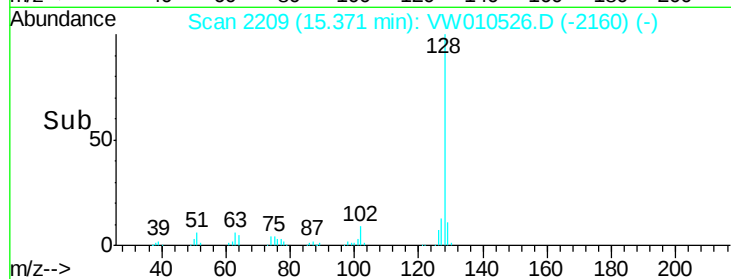
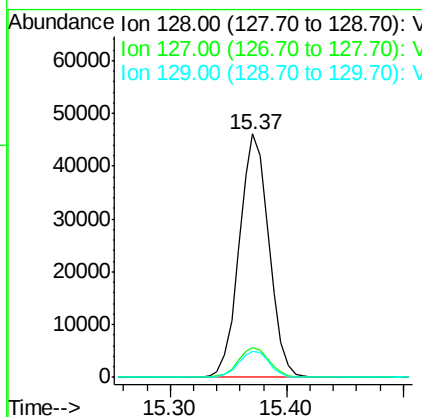
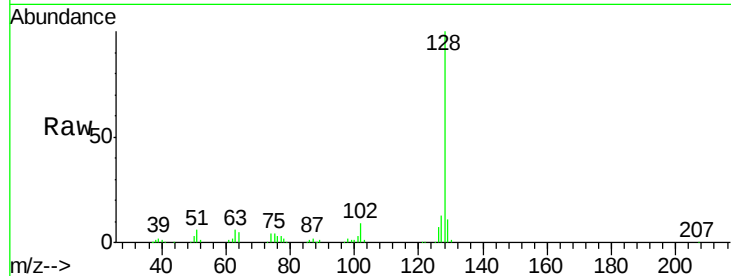
#95
Naphthalene
Concen: 17.675 ug/l
RT: 15.37 min Scan# 2209
Delta R.T. -0.00 min
Lab File: VW010526.D
Acq: 23 May 2019 13:32

Instrument :
MSVOA_W
ClientSampleId :
VW0523SBS01

Tot Ion	Ratio	Resp	Lower	Upper
128	100	81675		
127	12.8	10.6	15.8	
129	11.0	8.9	13.3	

Manual Integrations
APPROVED

MMDadoda
5/24/2019 10:44:29 PM



#96
1,2,3-Trichlorobenzene
Concen: 19.947 ug/l
RT: 15.56 min Scan# 2240
Delta R.T. -0.00 min
Lab File: VW010526.D
Acq: 23 May 2019 13:32

Tgt Ion	Ratio	Resp	Lower	Upper
180	100	37784		
182	94.1	47.1	141.3	
145	36.4	17.4	52.3	

