

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW081219\
 Data File : VW011839.D
 Acq On : 12 Aug 2019 09:19
 Operator : SY/VA
 Sample : VSTDCCC050
 Misc : 5.00G/5ML/MSVOA W/SOIL
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

MMDadoda
 8/13/2019 4:32:10 PM

Quant Time: Aug 13 07:54:04 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W072719S.M
 Quant Title : SW846 8260
 QLast Update : Sat Jul 27 00:23:30 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	234723	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	368541	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	316699	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	153551	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.31	65	125587	46.60	ug/l	0.00
Spiked Amount	50.000		Recovery	=	93.20%	
35) Dibromofluoromethane	7.88	113	102026	49.35	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.70%	
50) Toluene-d8	10.32	98	418091	49.39	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.78%	
62) 4-Bromofluorobenzene	12.62	95	144930	48.02	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.04%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.01	85	63014	48.170	ug/l	95
3) Chloromethane	2.20	50	94813	41.798	ug/l	98
4) Vinyl Chloride	2.35	62	131219	48.049	ug/l	98
5) Bromomethane	2.78	94	70299	46.506	ug/l	99
6) Chloroethane	2.92	64	73747	47.275	ug/l	100
7) Trichlorofluoromethane	3.25	101	74318	60.892	ug/l	97
8) Diethyl Ether	3.68	74	62428	45.113	ug/l	97
9) 1,1,2-Trichlorotrifluoroet	4.06	101	118826	51.323	ug/l	99
10) Methyl Iodide	4.26	142	161141	49.251	ug/l	98
11) Tert butyl alcohol	5.30	59	20593	92.279	ug/l #	72
12) 1,1-Dichloroethene	4.03	96	120161	49.155	ug/l	97
13) Acrolein	3.91	56	39260	203.005	ug/l	98
14) Allyl chloride	4.67	41	261075	50.214	ug/l	99
15) Acrylonitrile	5.38	53	152672	221.013	ug/l	99
16) Acetone	4.18	43	226474	264.153	ug/l	99
17) Carbon Disulfide	4.37	76	368083	48.109	ug/l	100
18) Methyl Acetate	4.69	43	80230	41.655	ug/l	99
19) Methyl tert-butyl Ether	5.42	73	182225	46.975	ug/l	96
20) Methylene Chloride	4.91	84	128170	43.347	ug/l	98
21) trans-1,2-Dichloroethene	5.42	96	128345	48.699	ug/l	99
22) Diisopropyl ether	6.31	45	465555	47.493	ug/l	95
23) Vinyl Acetate	6.26	43	1439152	233.647	ug/l	99
24) 1,1-Dichloroethane	6.21	63	257170	48.985	ug/l	99
25) 2-Butanone	7.19	43	256478	228.614	ug/l	99
26) 2,2-Dichloropropane	7.17	77	150338	46.564	ug/l	99
27) cis-1,2-Dichloroethene	7.17	96	135964	46.875	ug/l	100
28) Bromochloromethane	7.51	49	110107	47.251	ug/l	100
29) Tetrahydrofuran	7.54	42	136380	212.669	ug/l	98
30) Chloroform	7.67	83	232167	47.934	ug/l	98
31) Cyclohexane	7.95	56	236465	46.922	ug/l	99
32) 1,1,1-Trichloroethane	7.87	97	188372	51.069	ug/l	99
36) 1,1-Dichloropropene	8.08	75	198770	51.869	ug/l	99
37) Ethyl Acetate	7.26	43	99250	45.017	ug/l	99
38) Carbon Tetrachloride	8.07	117	175142	53.387	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.34	83	212856	50.444	ug/l	98
40) Benzene	8.32	78	534657	49.809	ug/l	100
41) Methacrylonitrile	7.49	41	58939	44.721	ug/l	97
42) 1,2-Dichloroethane	8.40	62	163724	48.717	ug/l	99
43) Isopropyl Acetate	8.43	43	185412	45.728	ug/l	100
44) Trichloroethene	9.09	130	130084	50.422	ug/l	97
45) 1,2-Dichloropropane	9.37	63	141419	49.239	ug/l	98
46) Dibromomethane	9.46	93	63919	48.761	ug/l	97
47) Bromodichloromethane	9.64	83	172758	50.241	ug/l	100
48) Methyl methacrylate	9.44	41	87762	45.059	ug/l	98
49) 1,4-Dioxane	9.52	88	8225	433.337	ug/l #	1
51) 4-Methyl-2-Pentanone	10.21	43	478618	226.936	ug/l	100
52) Toluene	10.38	92	323178	49.856	ug/l	100
53) t-1,3-Dichloropropene	10.60	75	174930	48.700	ug/l	99
54) cis-1,3-Dichloropropene	10.07	75	210266	49.233	ug/l	99
55) 1,1,2-Trichloroethane	10.79	97	88701	47.690	ug/l	100
56) Ethyl methacrylate	10.65	69	128868	47.349	ug/l	98
57) 1,3-Dichloropropane	10.93	76	168068	47.763	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.93	63	351108	284.126	ug/l	100
59) 2-Hexanone	10.97	43	395162	265.366	ug/l	99
60) Dibromochloromethane	11.13	129	101486	49.156	ug/l	99
61) 1,2-Dibromoethane	11.23	107	82784	47.033	ug/l	99
64) Tetrachloroethene	10.86	164	104138	50.502	ug/l	100
65) Chlorobenzene	11.66	112	316039	49.636	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.73	131	112801	50.861	ug/l	100
67) Ethyl Benzene	11.73	91	622869	51.364	ug/l	100
68) m/p-Xylenes	11.84	106	450796	102.220	ug/l	100
69) o-Xylene	12.16	106	207015	50.515	ug/l	98
70) Styrene	12.18	104	360807	50.921	ug/l	100
71) Bromoform	12.35	173	56359	49.841	ug/l #	96
73) Isopropylbenzene	12.46	105	584746	51.046	ug/l	99
74) N-amyl acetate	12.27	43	169285	47.202	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.71	83	102433	47.539	ug/l	100
76) 1,2,3-Trichloropropane	12.77	75	72559m	44.659	ug/l	
77) Bromobenzene	12.75	156	125920	49.732	ug/l	100
78) n-propylbenzene	12.80	91	715848	51.348	ug/l	99
79) 2-Chlorotoluene	12.89	91	401792	50.027	ug/l	100
80) 1,3,5-Trimethylbenzene	12.94	105	489995	51.028	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.51	75	34812	49.380	ug/l	98
82) 4-Chlorotoluene	12.99	91	415759	49.338	ug/l	99
83) tert-Butylbenzene	13.21	119	409677	51.019	ug/l	99
84) 1,2,4-Trimethylbenzene	13.25	105	485085	50.148	ug/l	100
85) sec-Butylbenzene	13.38	105	578951	50.529	ug/l	100
86) p-Isopropyltoluene	13.50	119	521399	50.155	ug/l	99
87) 1,3-Dichlorobenzene	13.50	146	245085	49.366	ug/l	100
88) 1,4-Dichlorobenzene	13.58	146	242442	49.091	ug/l	99
89) n-Butylbenzene	13.82	91	518762	50.004	ug/l	100
90) Hexachloroethane	14.09	117	94685	51.508	ug/l	100
91) 1,2-Dichlorobenzene	13.87	146	212170	48.320	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.49	75	17335	47.178	ug/l	98

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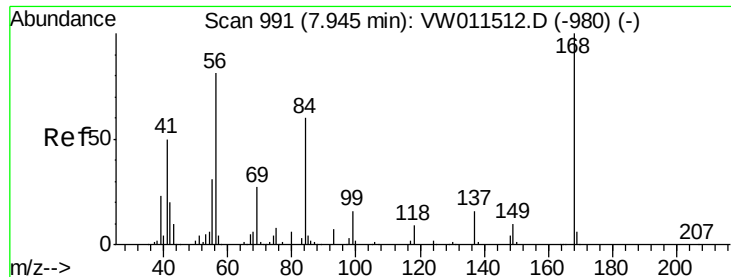
Manual Integrations
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.13	180	148830	48.093	ug/l	100
94) Hexachlorobutadiene	15.24	225	95258	49.360	ug/l	98
95) Naphthalene	15.36	128	269539	44.693	ug/l	100
96) 1,2,3-Trichlorobenzene	15.55	180	130001	47.924	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.00 min

Lab File: VW011839.D

Acq: 12 Aug 2019 09:19

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

Tot Ion:168 Resp: 234723

Ion Ratio Lower Upper

168 100

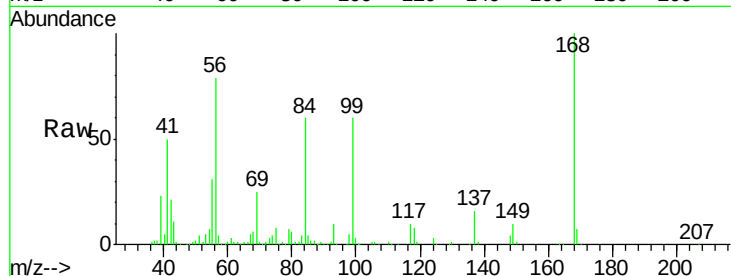
99 59.8 48.2 72.4

Manual Integrations

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW

7.95

120000

100000

80000

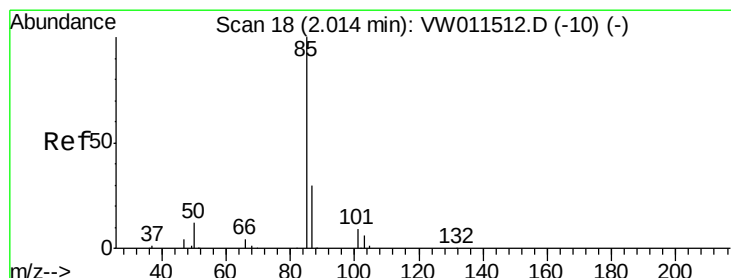
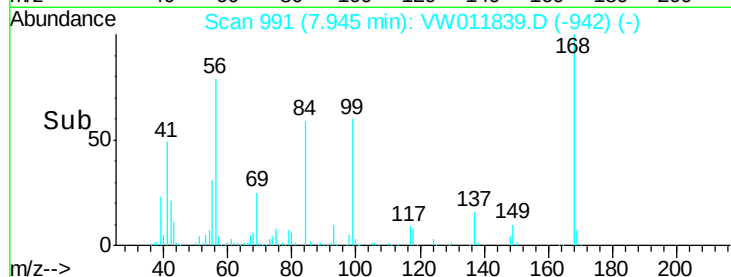
60000

40000

20000

0

Time--> 7.80 7.90 8.00 8.10



#2

Dichlorodifluoromethane

Concen: 48.170 ug/l

RT: 2.01 min Scan# 17

Delta R.T. -0.01 min

Lab File: VW011839.D

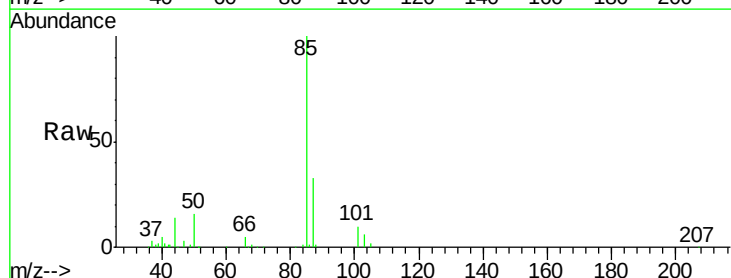
Acq: 12 Aug 2019 09:19

Tgt Ion: 85 Resp: 63014

Ion Ratio Lower Upper

85 100

87 33.0 15.2 45.6



Abundance Ion 84.90 (84.60 to 85.60): VW

Ion 86.90 (86.60 to 87.60): VW

25000

20000

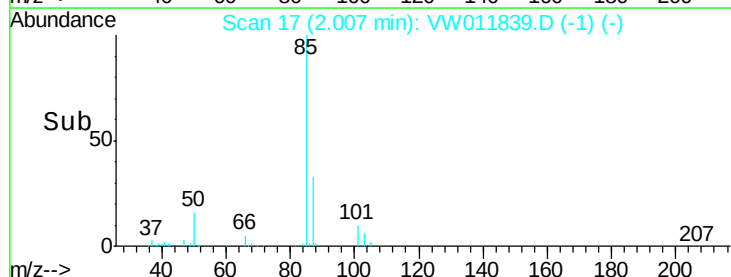
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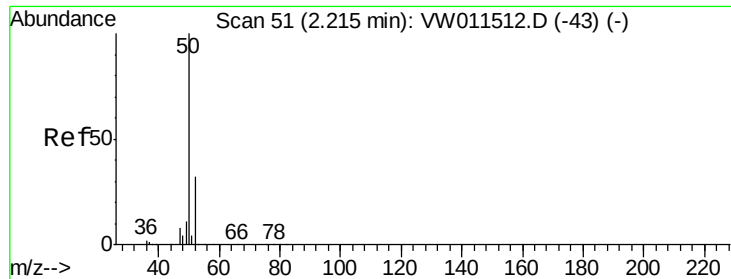
10000

5000

0

Time--> 1.90 2.00 2.10 2.20





#3

Chloromethane

Concen: 41.798 ug/l

RT: 2.20 min Scan# 49

Delta R.T. -0.01 min

Lab File: VW011839.D

Acq: 12 Aug 2019 09:19

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

Tot Ion: 50 Resp: 94813

Ion Ratio Lower Upper

50 100

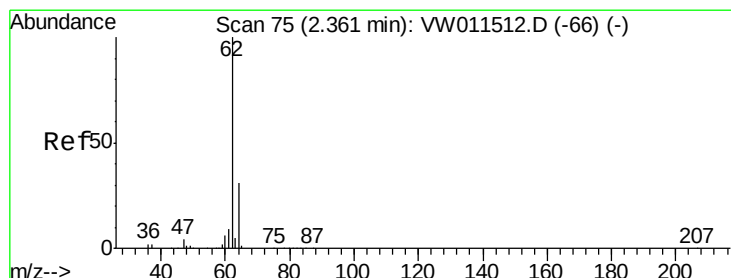
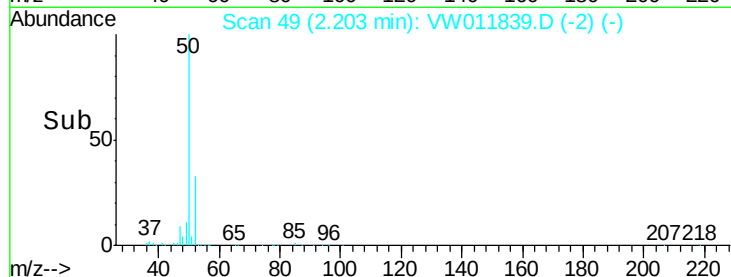
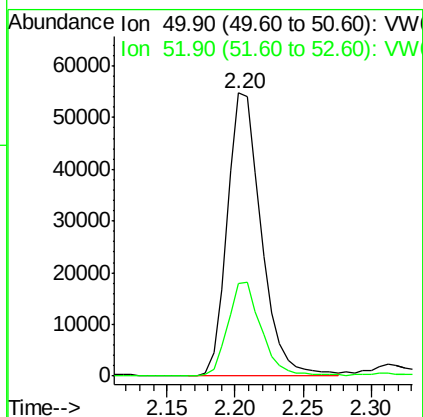
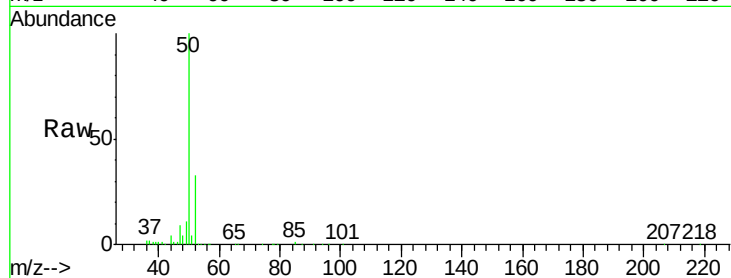
52 32.7 25.4 38.2

Manual Integrations

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#4

Vinyl Chloride

Concen: 48.049 ug/l

RT: 2.35 min Scan# 74

Delta R.T. -0.01 min

Lab File: VW011839.D

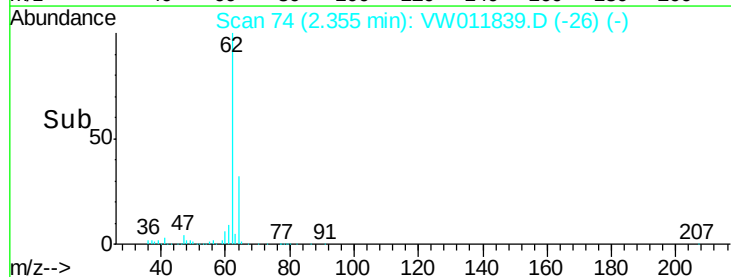
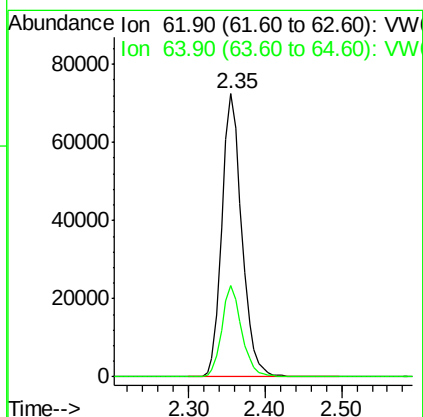
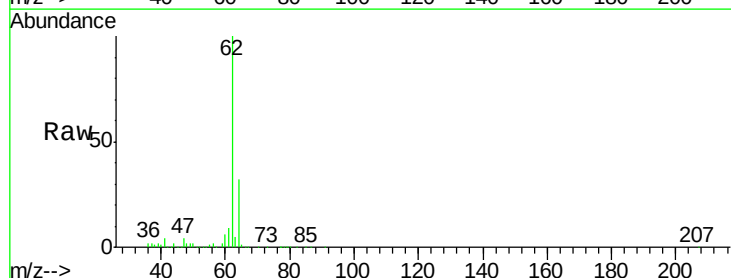
Acq: 12 Aug 2019 09:19

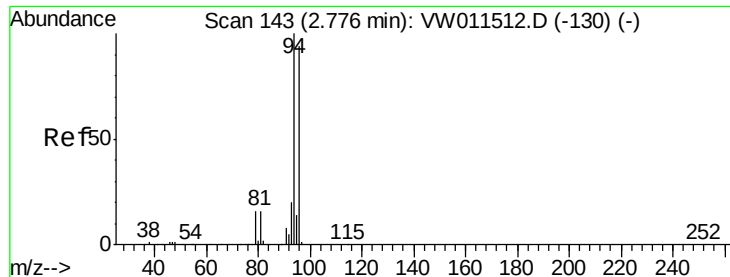
Tgt Ion: 62 Resp: 131219

Ion Ratio Lower Upper

62 100

64 32.2 25.0 37.4





#5

Bromomethane

Concen: 46.506 ug/l

RT: 2.78 min Scan# 143

Delta R.T. -0.00 min

Lab File: VW011839.D

Acq: 12 Aug 2019 09:19

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

Tot Ion: 94 Resp: 70299

Ion Ratio Lower Upper

94 100

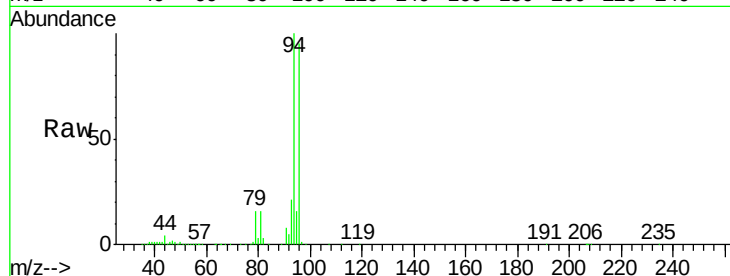
96 94.7 75.0 112.6

Manual Integrations

APPROVED

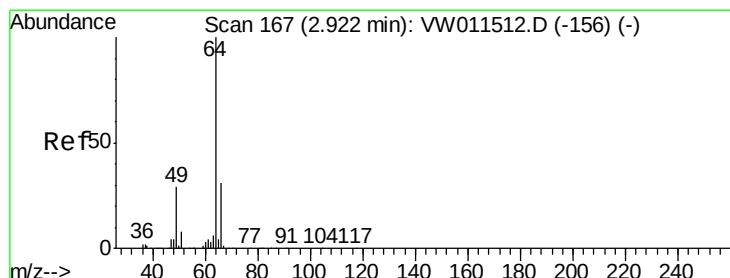
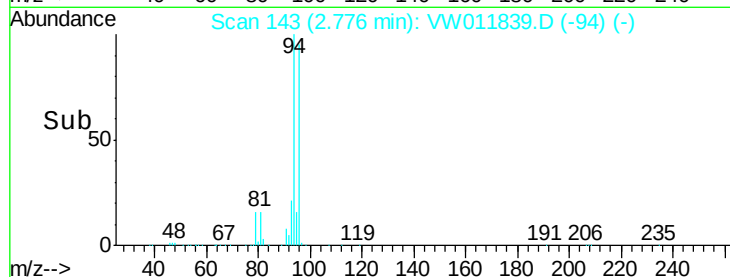
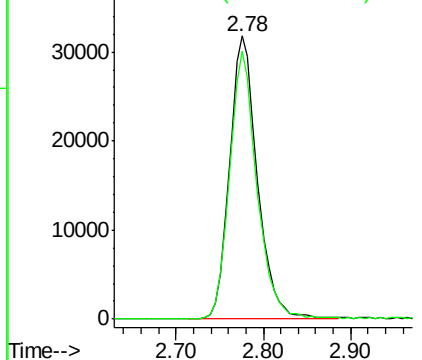
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Abundance Ion 93.90 (93.60 to 94.60): VW

Ion 95.90 (95.60 to 96.60): VW



#6

Chloroethane

Concen: 47.275 ug/l

RT: 2.92 min Scan# 166

Delta R.T. -0.01 min

Lab File: VW011839.D

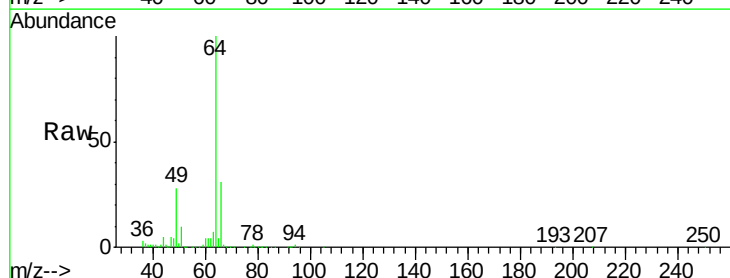
Acq: 12 Aug 2019 09:19

Tgt Ion: 64 Resp: 73747

Ion Ratio Lower Upper

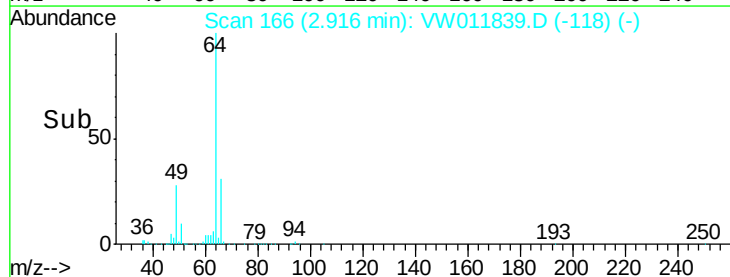
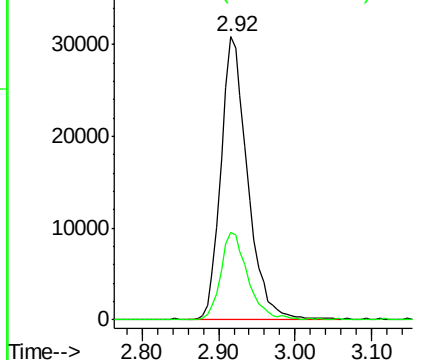
64 100

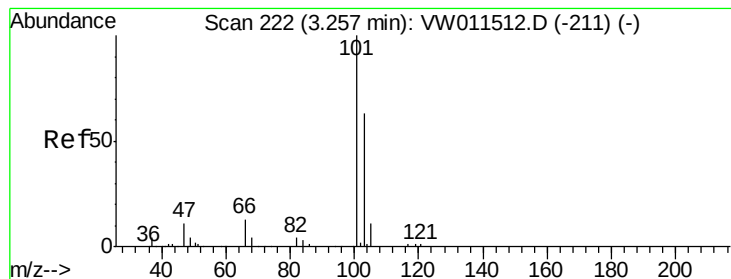
66 30.5 24.6 36.8



Abundance Ion 63.90 (63.60 to 64.60): VW

Ion 65.90 (65.60 to 66.60): VW





#7

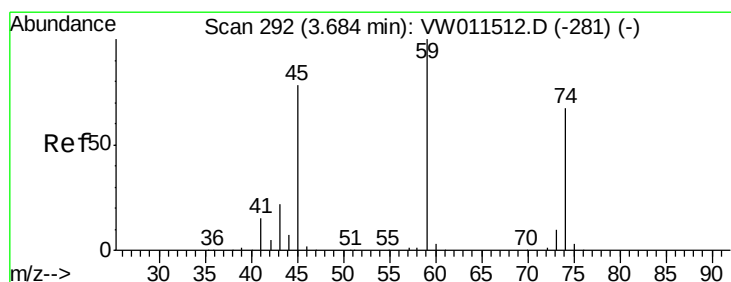
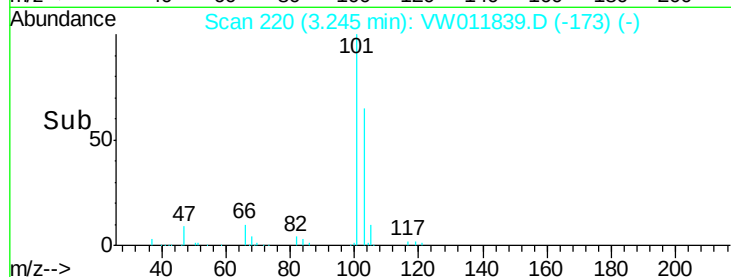
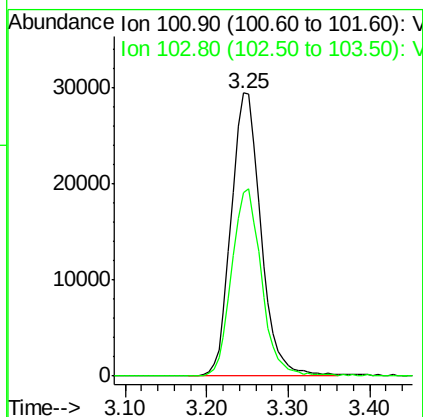
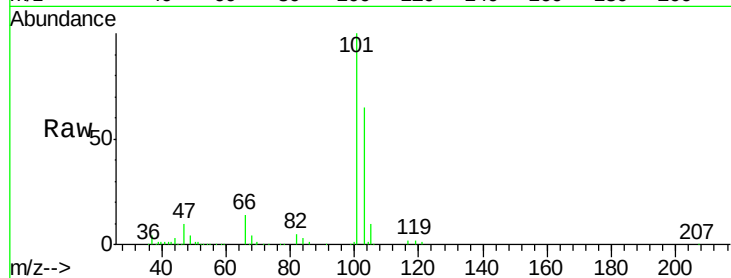
Trichlorofluoromethane
Concen: 60.892 ug/l
RT: 3.25 min Scan# 220
Delta R.T. -0.01 min
Lab File: VW011839.D
Acq: 12 Aug 2019 09:19

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Tot Ion	Ratio	Lower	Upper
101	100		
103	64.9	50.2	75.4

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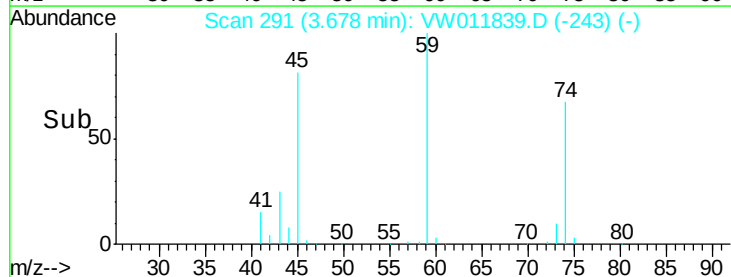
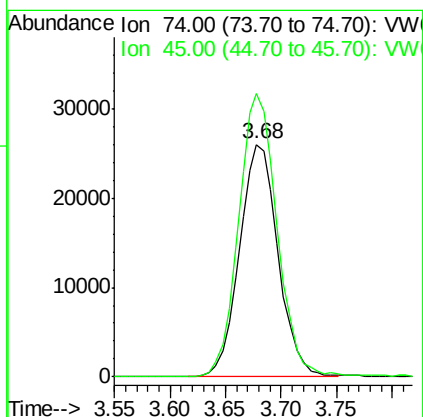
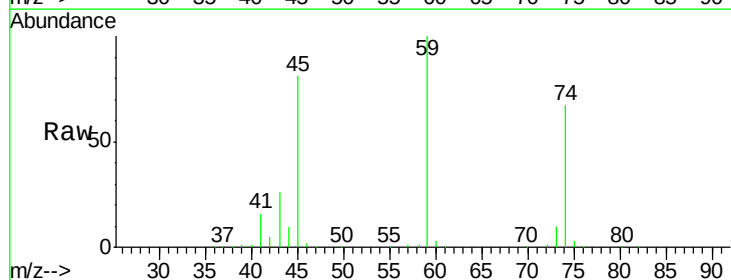
MMDadoda
8/13/2019 4:32:10 PM

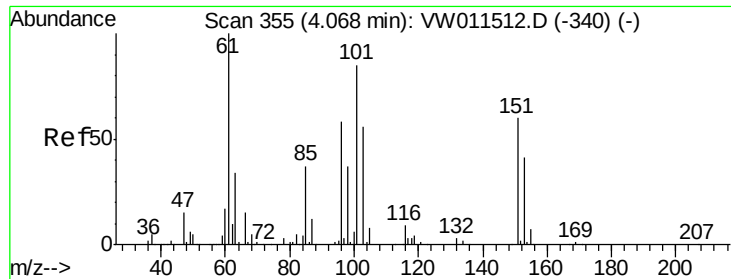


#8

Diethyl Ether
Concen: 45.113 ug/l
RT: 3.68 min Scan# 291
Delta R.T. -0.01 min
Lab File: VW011839.D
Acq: 12 Aug 2019 09:19

Tgt Ion	Ratio	Lower	Upper
74	100		
45	122.1	59.6	178.8





#9

1,1,2-Trichlorotrifluoroethane

Concen: 51.323 ug/l

RT: 4.06 min Scan# 353

Delta R.T. -0.01 min

Lab File: VW011839.D

Acq: 12 Aug 2019 09:19

Instrument :

MSVOA_W

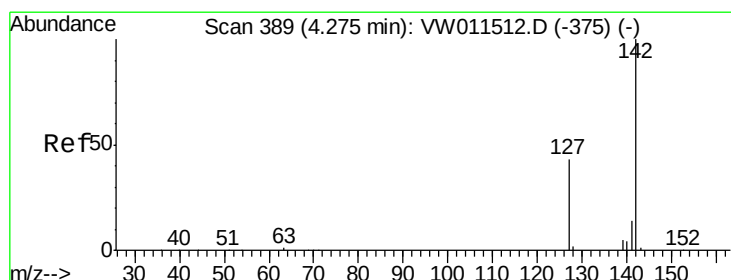
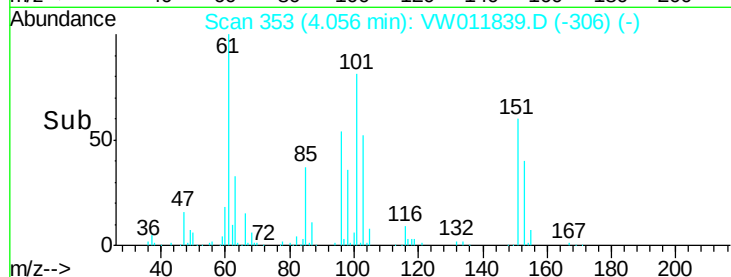
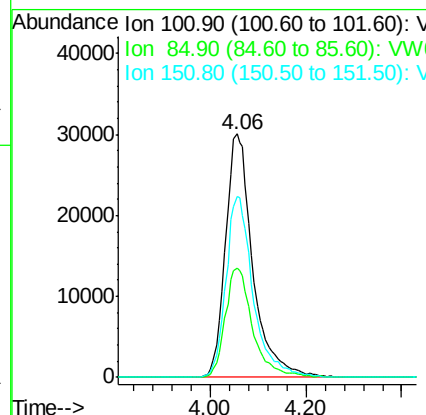
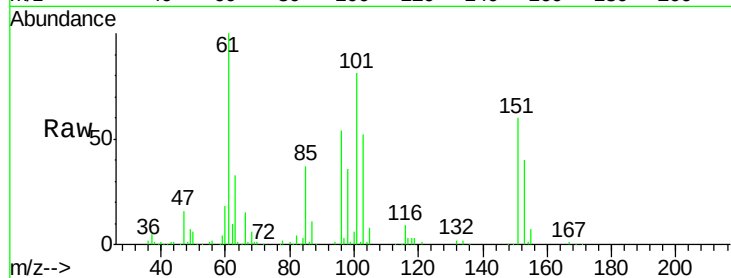
ClientSampleId :

VSTDCCC050

Tot Ion:	101	Resp:	118826
Ion Ratio	Lower	Upper	
101	100		
85	45.0	36.6	54.8
151	74.1	60.2	90.2

Manual Integrations
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#10

Methyl Iodide

Concen: 49.251 ug/l

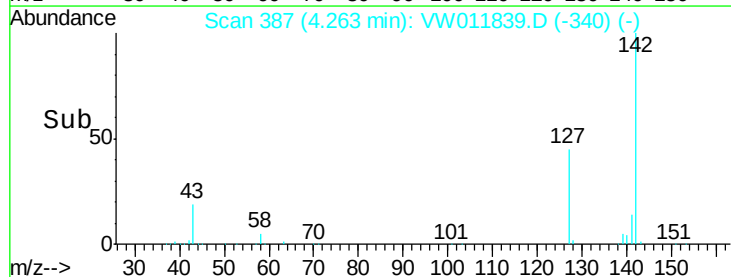
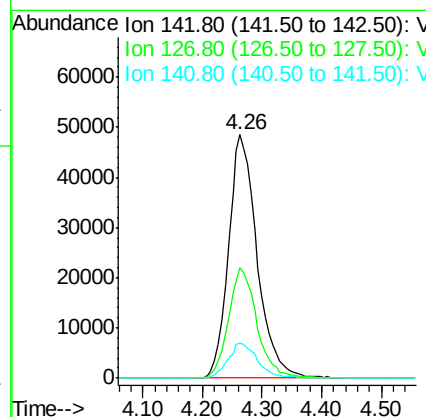
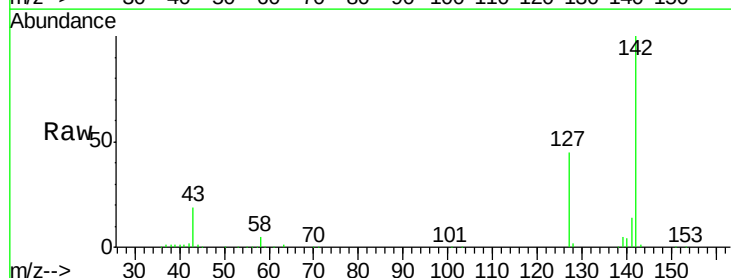
RT: 4.26 min Scan# 387

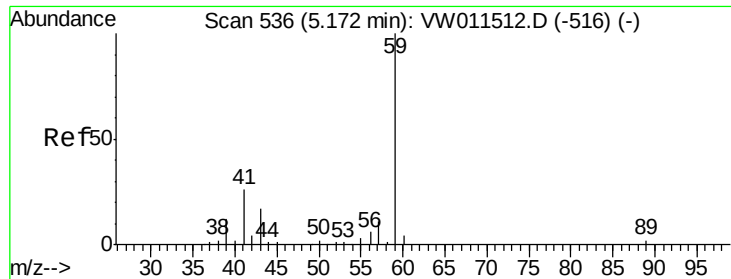
Delta R.T. -0.01 min

Lab File: VW011839.D

Acq: 12 Aug 2019 09:19

Tgt Ion:	142	Resp:	161141
Ion Ratio	Lower	Upper	
142	100		
127	45.1	35.0	52.6
141	14.8	11.9	17.9





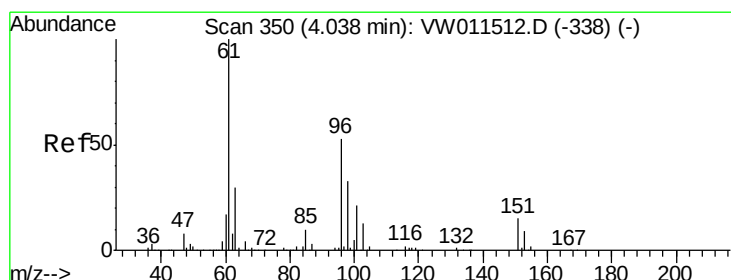
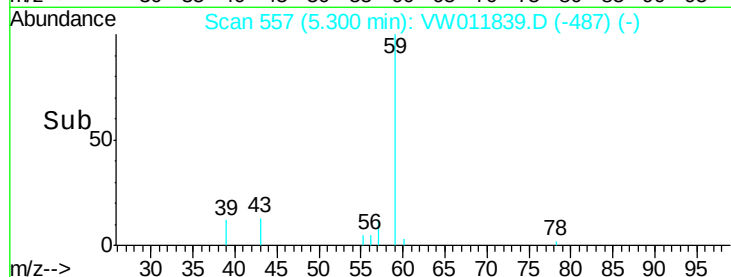
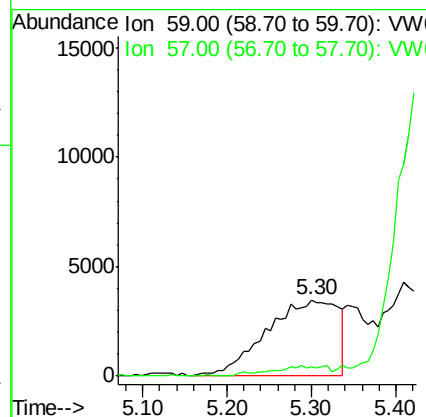
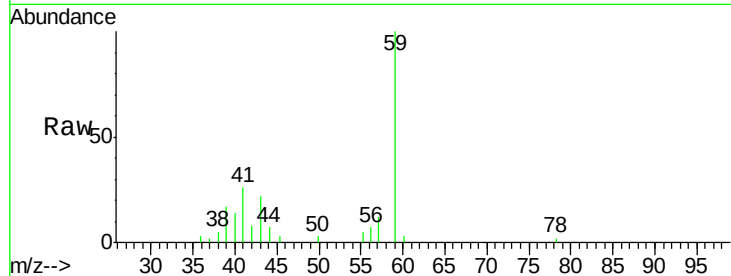
#11
Tert butyl alcohol
Concen: 92.279 ug/l
RT: 5.30 min Scan# 557
Delta R.T. 0.13 min
Lab File: VW011839.D
Acq: 12 Aug 2019 09:19

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
59	100		
57	0.0	8.5	12.7#

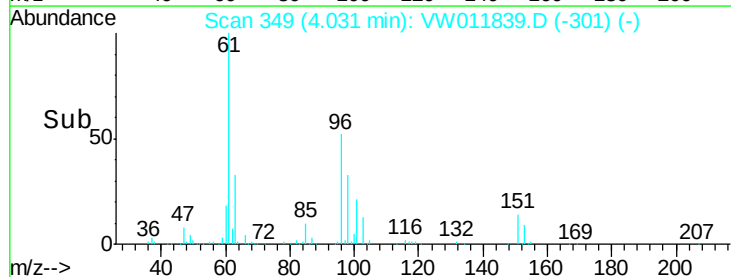
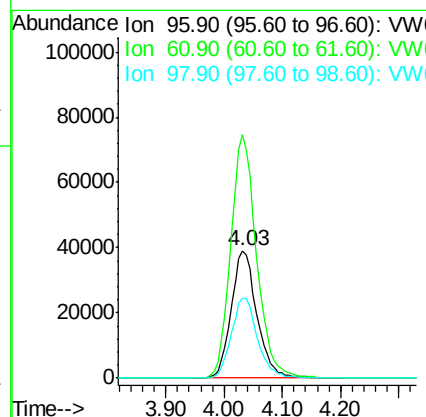
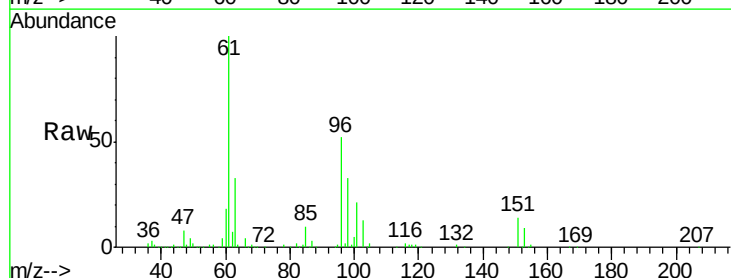
Manual Integrations
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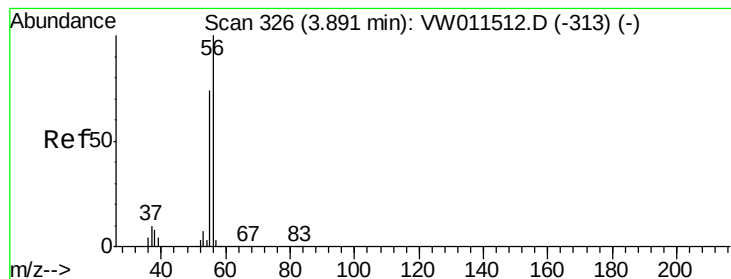
MMDadoda
8/13/2019 4:32:10 PM



#12
1,1-Dichloroethene
Concen: 49.155 ug/l
RT: 4.03 min Scan# 349
Delta R.T. -0.01 min
Lab File: VW011839.D
Acq: 12 Aug 2019 09:19

Tgt Ion	Ratio	Lower	Upper
96	100		
61	191.4	149.9	224.9
98	62.8	49.1	73.7





#13

Acrolein

Concen: 203.005 ug/l

RT: 3.91 min Scan# 329

Delta R.T. 0.02 min

Lab File: VW011839.D

Acq: 12 Aug 2019 09:19

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

Tot Ion: 56 Resp: 39260

Ion Ratio Lower Upper

56 100

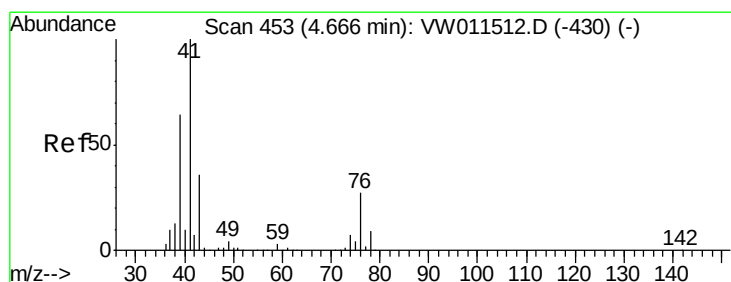
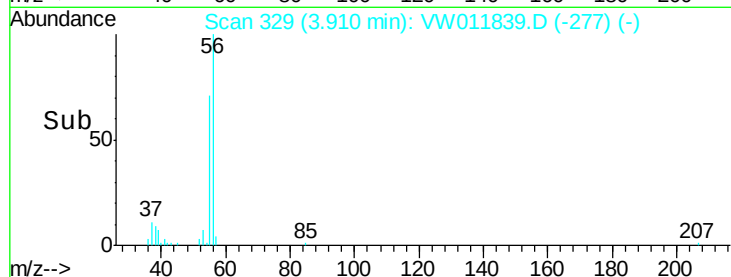
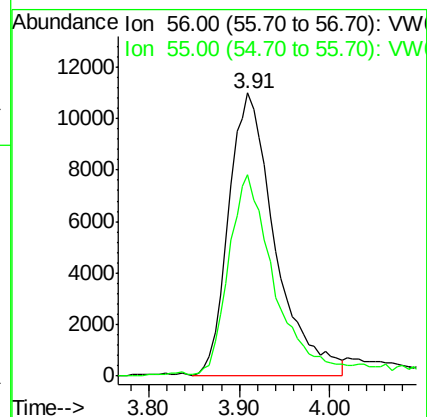
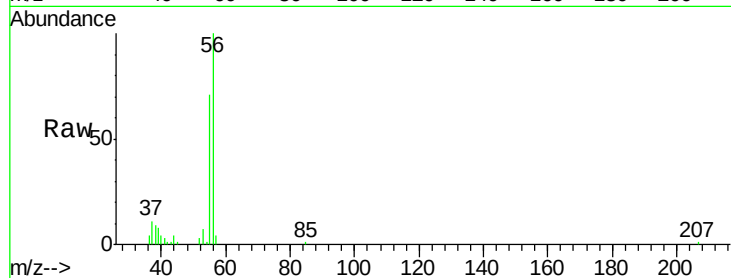
55 68.3 56.0 84.0

Manual Integrations

APPROVED

MMDadoda

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#14

Allyl chloride

Concen: 50.214 ug/l

RT: 4.67 min Scan# 453

Delta R.T. -0.00 min

Lab File: VW011839.D

Acq: 12 Aug 2019 09:19

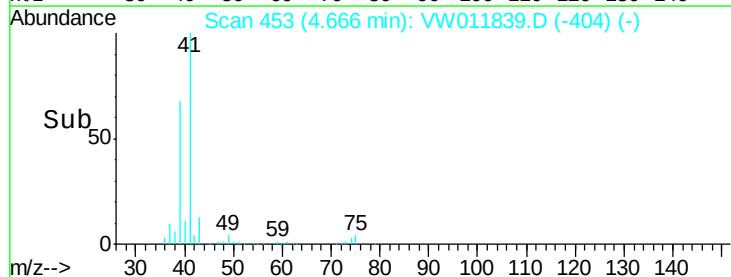
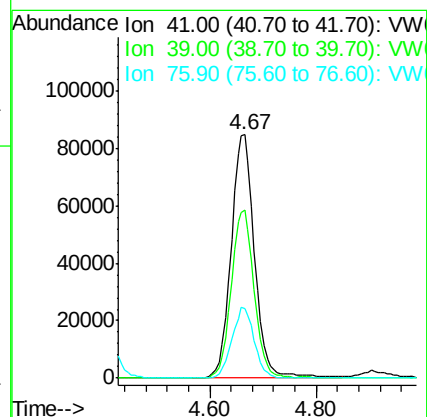
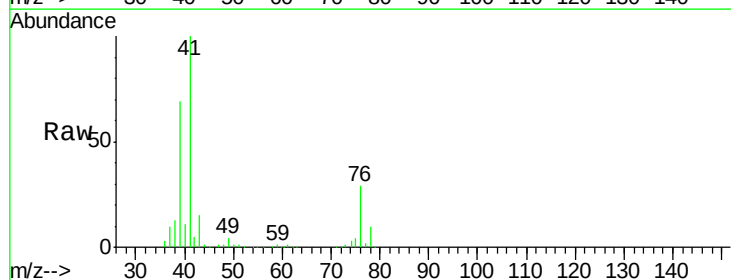
Tgt Ion: 41 Resp: 261075

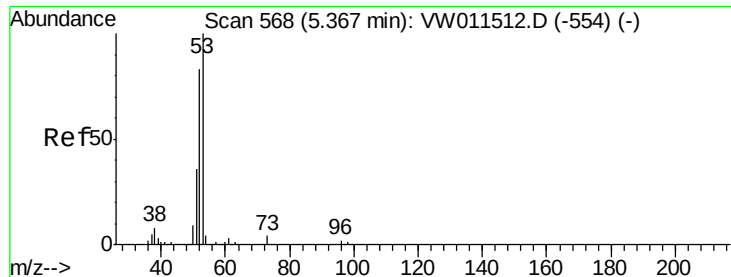
Ion Ratio Lower Upper

41 100

39 66.9 52.6 78.8

76 27.4 22.0 33.0





#15

Acrylonitrile

Concen: 221.013 ug/l

RT: 5.38 min Scan# 571

Delta R.T. 0.02 min

Lab File: VW011839.D

Acq: 12 Aug 2019 09:19

Instrument :

MSVOA_W

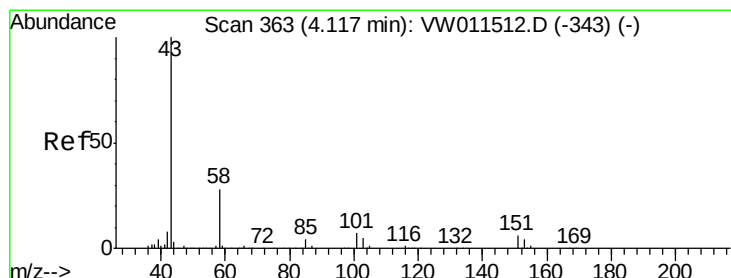
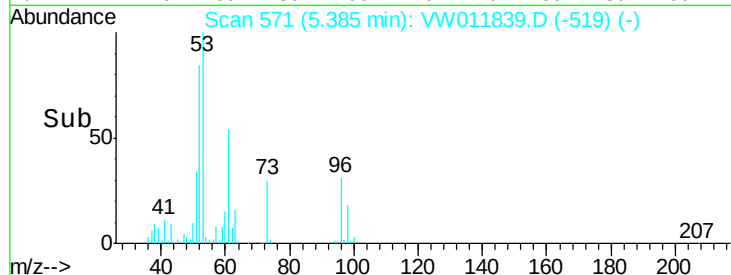
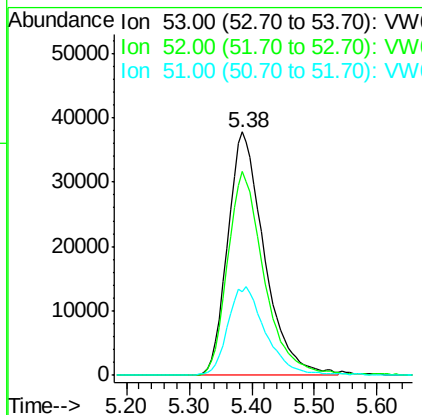
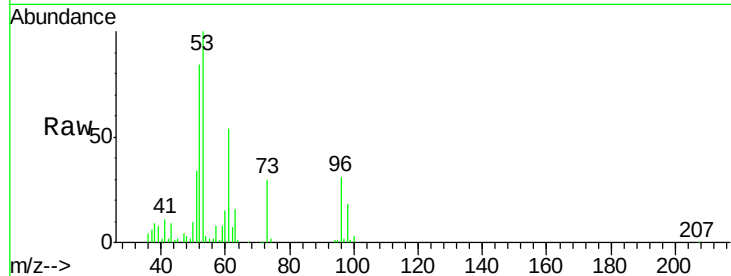
ClientSampleId :

VSTDCCC050

Tot Ion:	53	Resp:	152672
Ion	Ratio	Lower	Upper
53	100		
52	83.0	67.2	100.8
51	37.7	30.0	45.0

Manual Integrations
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#16

Acetone

Concen: 264.153 ug/l

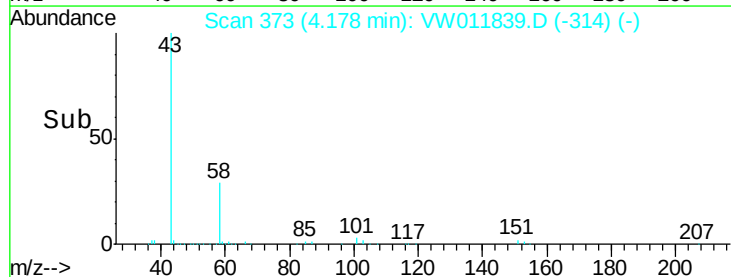
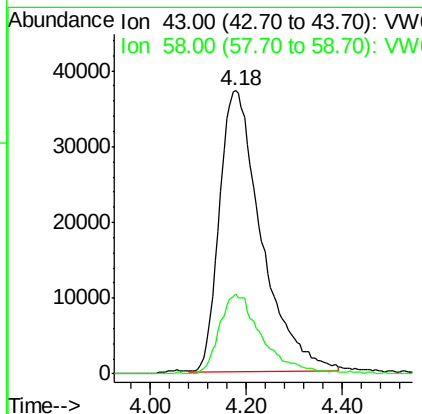
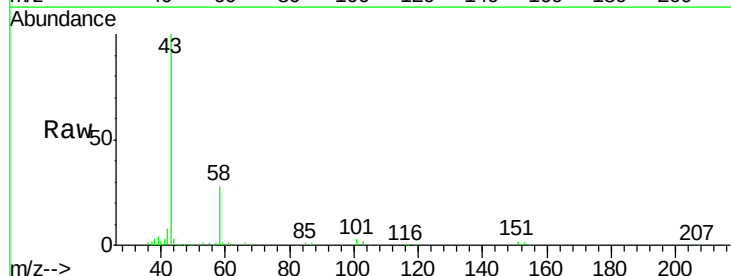
RT: 4.18 min Scan# 373

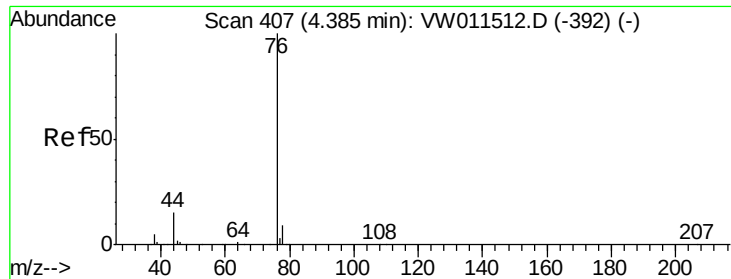
Delta R.T. 0.06 min

Lab File: VW011839.D

Acq: 12 Aug 2019 09:19

Tgt Ion:	43	Resp:	226474
Ion	Ratio	Lower	Upper
43	100		
58	28.3	22.3	33.5





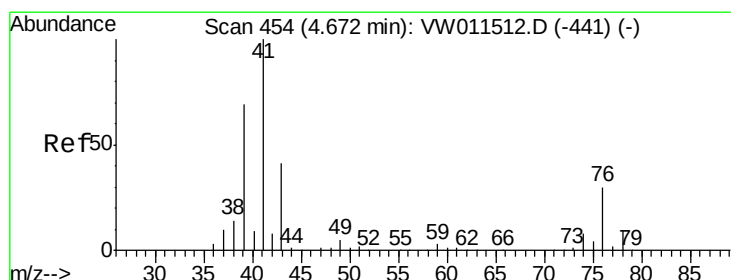
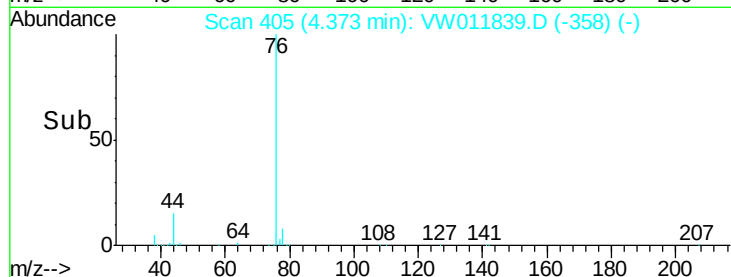
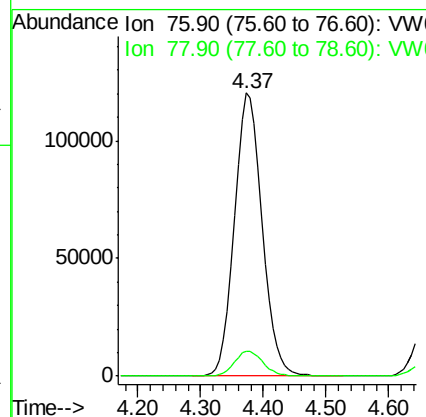
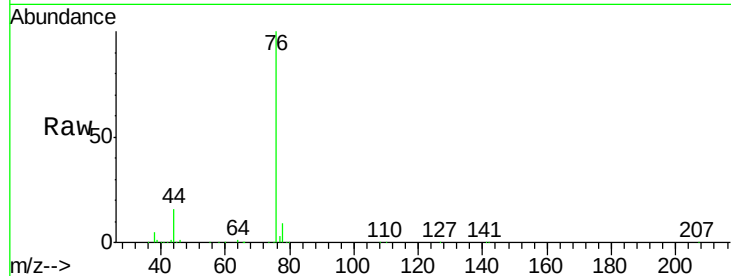
#17
Carbon Disulfide
Concen: 48.109 ug/l
RT: 4.37 min Scan# 405
Delta R.T. -0.01 min
Lab File: VW011839.D
Acq: 12 Aug 2019 09:19

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
76	100		
78	8.9	7.1	10.7

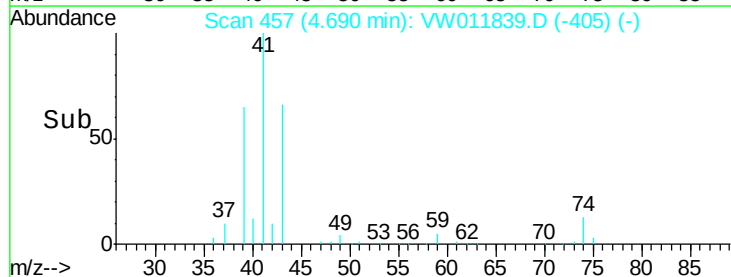
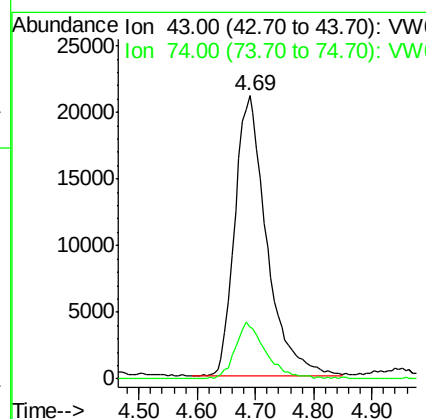
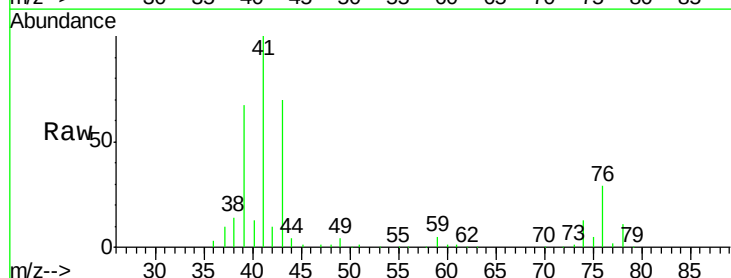
Manual Integrations
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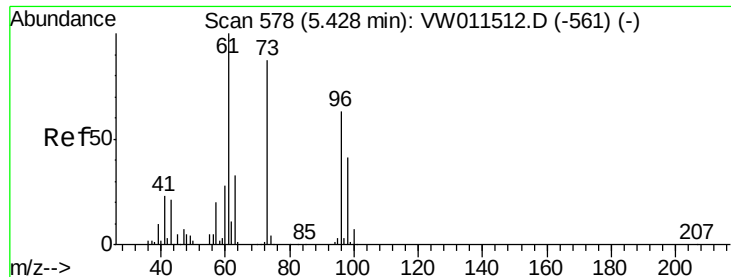
MMDadoda
8/13/2019 4:32:10 PM



#18
Methyl Acetate
Concen: 41.655 ug/l
RT: 4.69 min Scan# 457
Delta R.T. 0.02 min
Lab File: VW011839.D
Acq: 12 Aug 2019 09:19

Tgt Ion	Ratio	Lower	Upper
43	100		
74	19.4	15.9	23.9





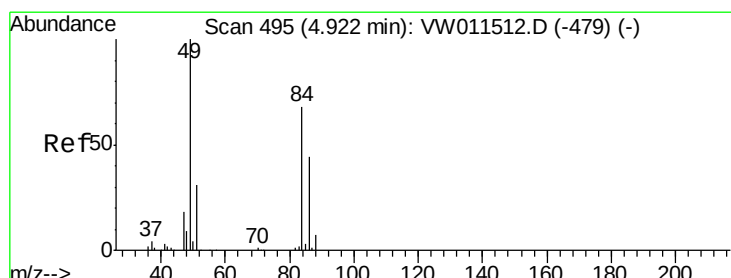
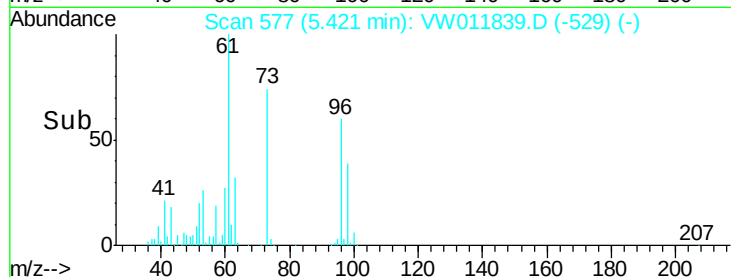
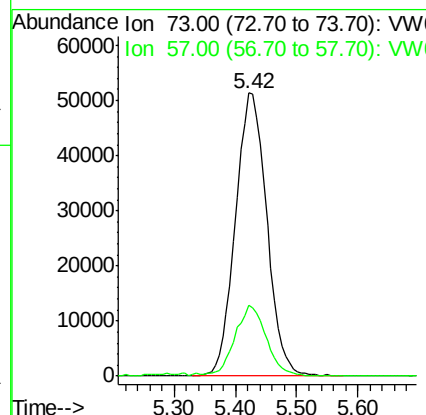
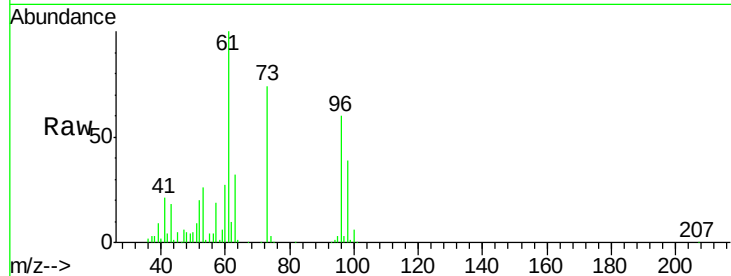
#19
Methyl tert-butyl Ether
Concen: 46.975 ug/l
RT: 5.42 min Scan# 577
Delta R.T. -0.01 min
Lab File: VW011839.D
Acq: 12 Aug 2019 09:19

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
73	100		
57	25.2	18.4	27.6

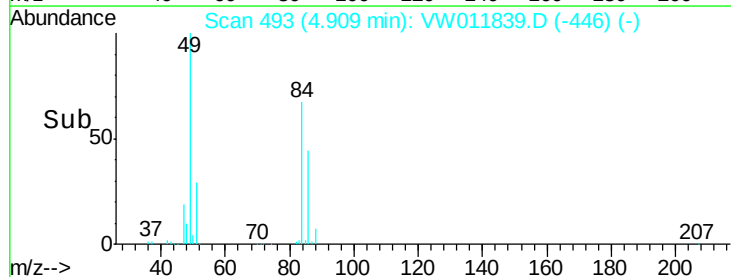
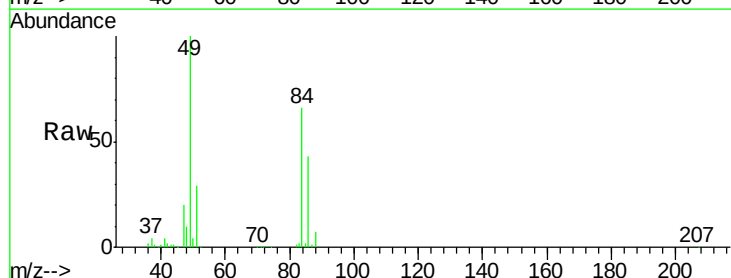
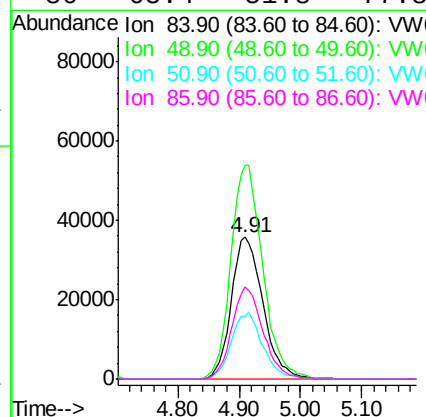
Manual Integrations
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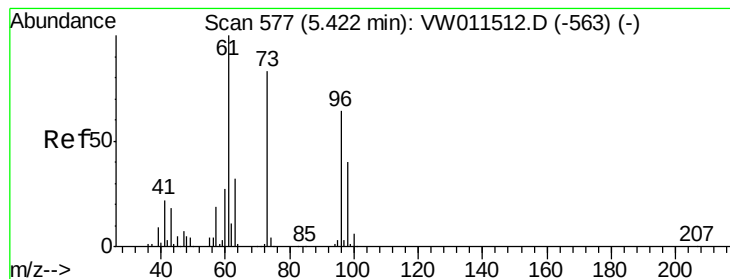
MMDadoda
8/13/2019 4:32:10 PM



#20
Methylene Chloride
Concen: 43.347 ug/l
RT: 4.91 min Scan# 493
Delta R.T. -0.01 min
Lab File: VW011839.D
Acq: 12 Aug 2019 09:19

Tgt Ion	Ratio	Lower	Upper
84	100		
49	150.7	117.8	176.6
51	44.4	37.0	55.4
86	65.4	51.8	77.8





#21

trans-1,2-Dichloroethene

Concen: 48.699 ug/l

RT: 5.42 min Scan# 576

Delta R.T. -0.01 min

Lab File: VW011839.D

Acq: 12 Aug 2019 09:19

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

Tot Ion: 96 Resp: 128345

Ion Ratio Lower Upper

96 100

61 157.9 125.7 188.5

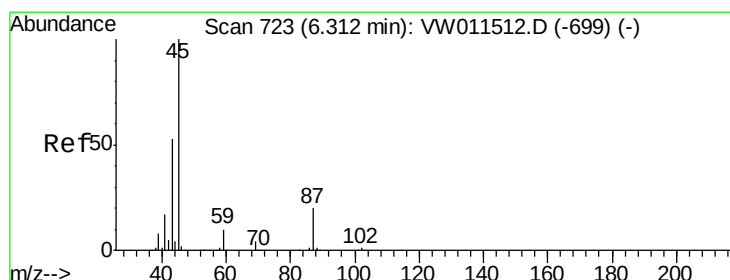
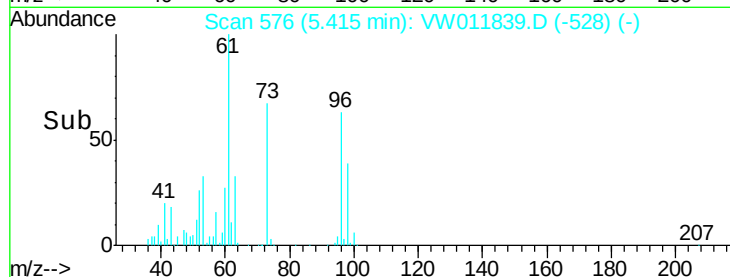
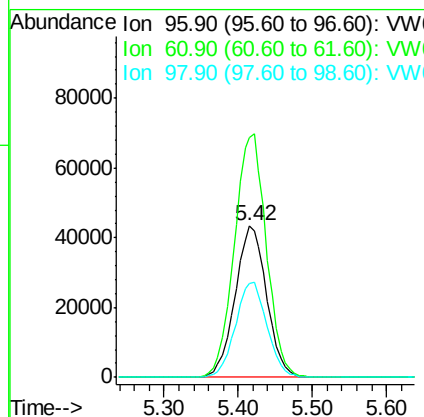
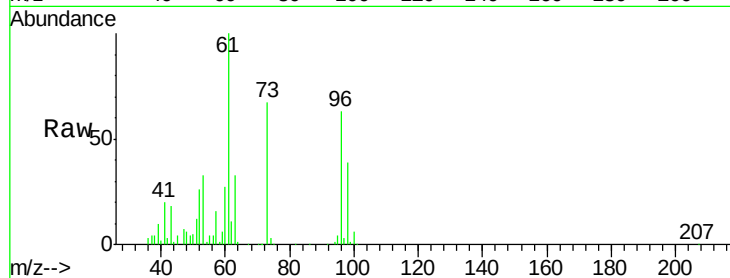
98 62.3 50.3 75.5

Manual Integrations

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MMDadoda

8/13/2019 4:32:10 PM



#22

Diisopropyl ether

Concen: 47.493 ug/l

RT: 6.31 min Scan# 723

Delta R.T. -0.00 min

Lab File: VW011839.D

Acq: 12 Aug 2019 09:19

Tgt Ion: 45 Resp: 465555

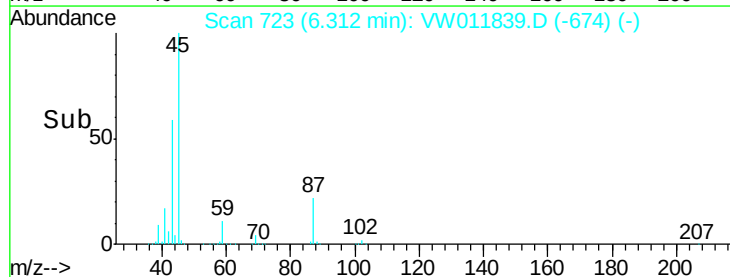
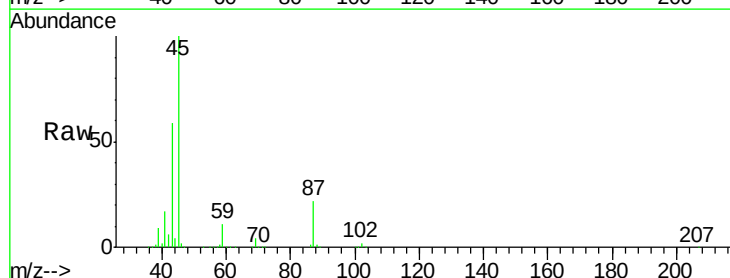
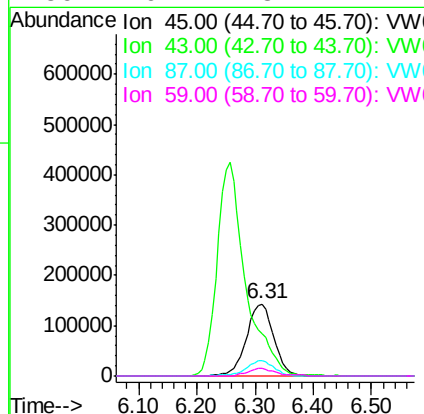
Ion Ratio Lower Upper

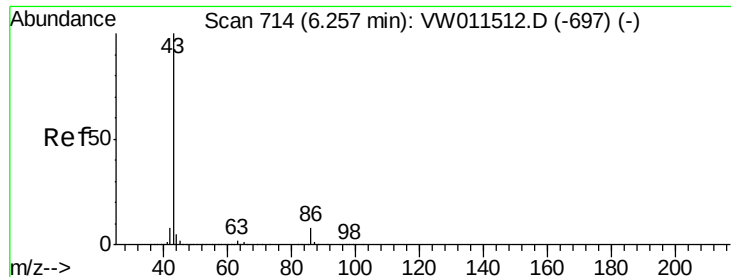
45 100

43 58.6 42.6 63.8

87 21.6 16.4 24.6

59 10.4 8.2 12.2





#23

Vinyl Acetate

Concen: 233.647 ug/l

RT: 6.26 min Scan# 714

Delta R.T. -0.00 min

Lab File: VW011839.D

Acq: 12 Aug 2019 09:19

Tot Ion: 43 Resp: 1439152

Ion Ratio Lower Upper

43 100

86 7.9 6.5 9.7

Instrument :

MSVOA_W

ClientSampleId :

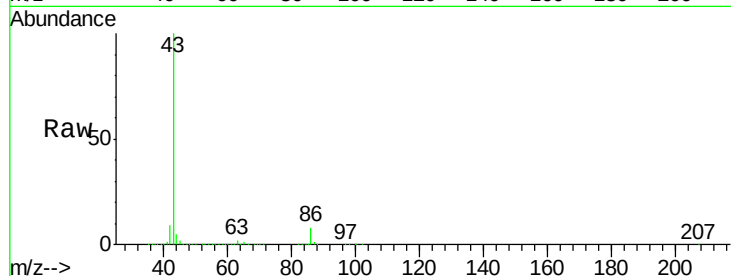
VSTDCCC050

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Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 86.00 (85.70 to 86.70): VW

6.26

400000

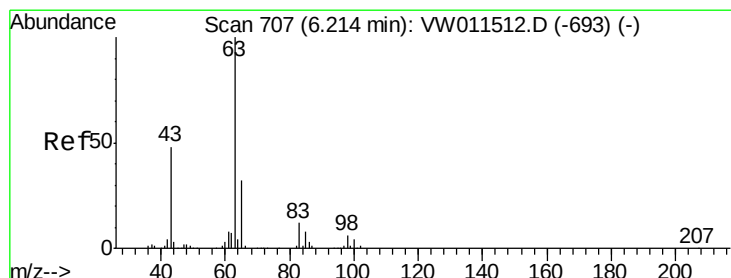
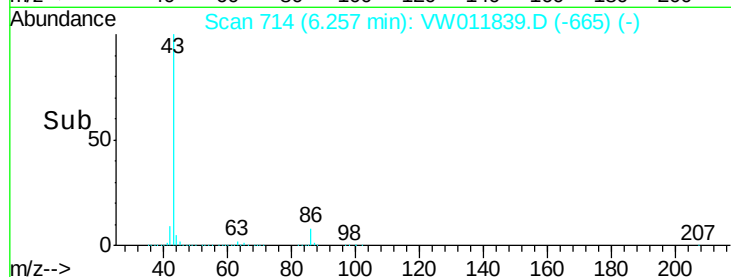
300000

200000

100000

0

Time-->



#24

1,1-Dichloroethane

Concen: 48.985 ug/l

RT: 6.21 min Scan# 707

Delta R.T. -0.00 min

Lab File: VW011839.D

Acq: 12 Aug 2019 09:19

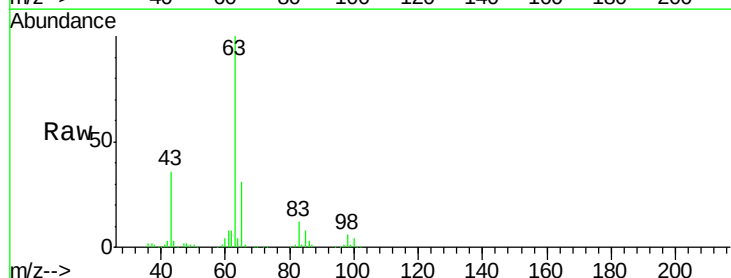
Tgt Ion: 63 Resp: 257170

Ion Ratio Lower Upper

63 100

98 6.1 2.9 8.8

100 4.4 2.1 6.3



Abundance Ion 62.90 (62.60 to 63.60): VW

Ion 97.90 (97.60 to 98.60): VW

Ion 99.90 (99.60 to 100.60): VW

6.21

100000

80000

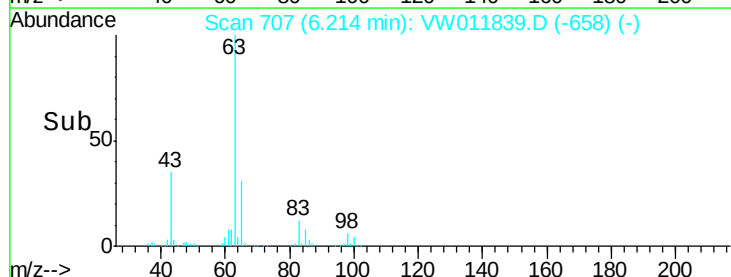
60000

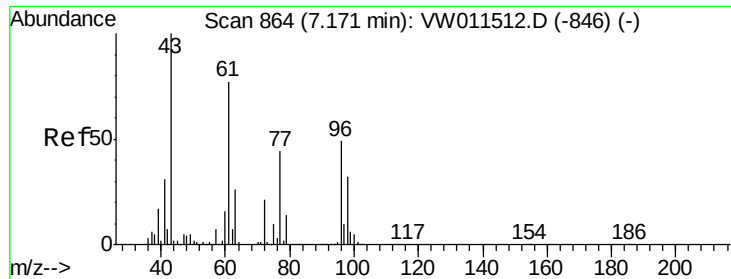
40000

20000

0

Time-->





#25

2-Butanone

Concen: 228.614 ug/l

RT: 7.19 min Scan# 867

Delta R.T. 0.02 min

Lab File: VW011839.D

Acq: 12 Aug 2019 09:19

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 256478

Ion Ratio Lower Upper

43 100

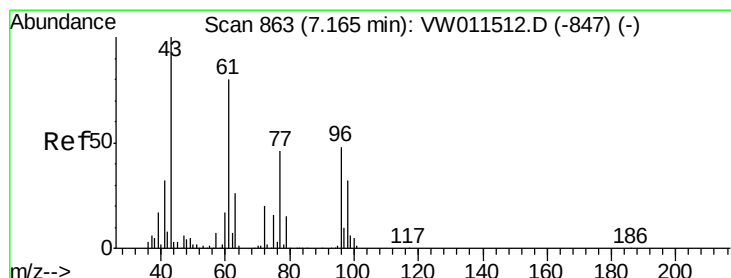
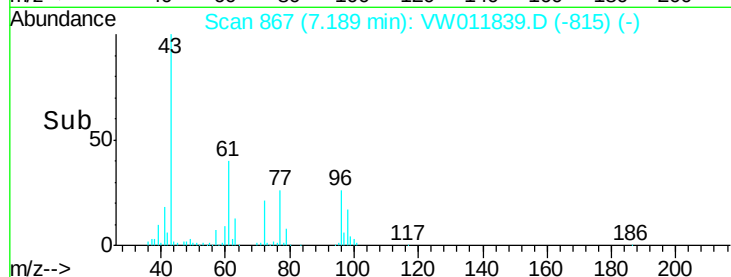
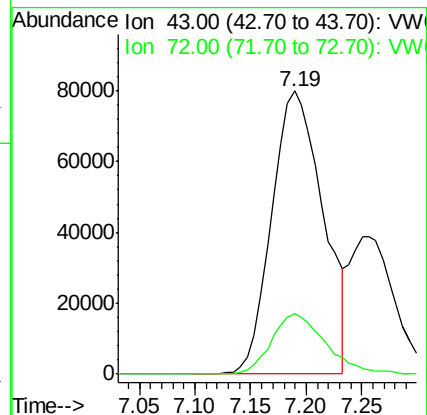
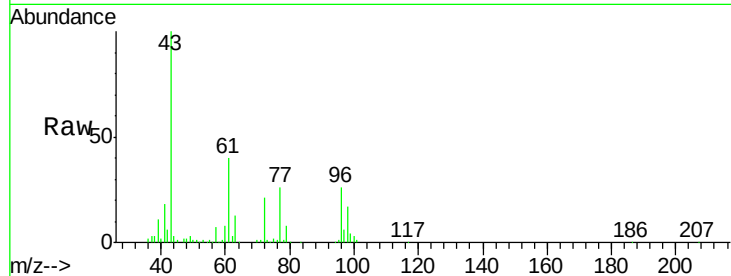
72 21.3 16.6 24.8

Manual Integrations

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MMDadoda

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#26

2,2-Dichloropropane

Concen: 46.564 ug/l

RT: 7.17 min Scan# 863

Delta R.T. -0.00 min

Lab File: VW011839.D

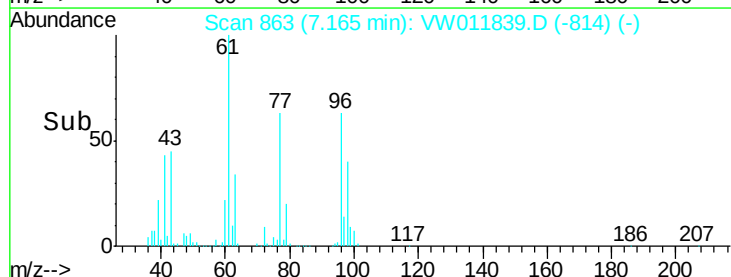
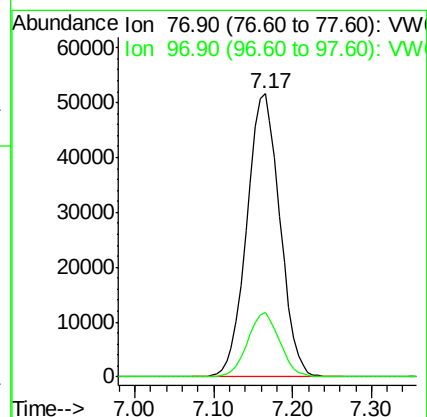
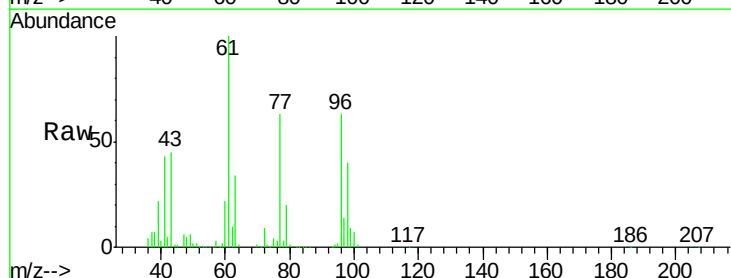
Acq: 12 Aug 2019 09:19

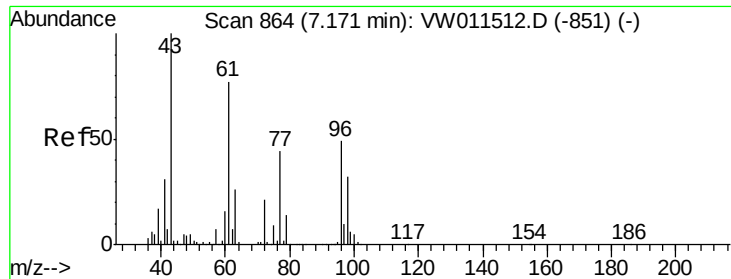
Tgt Ion: 77 Resp: 150338

Ion Ratio Lower Upper

77 100

97 22.1 10.8 32.4





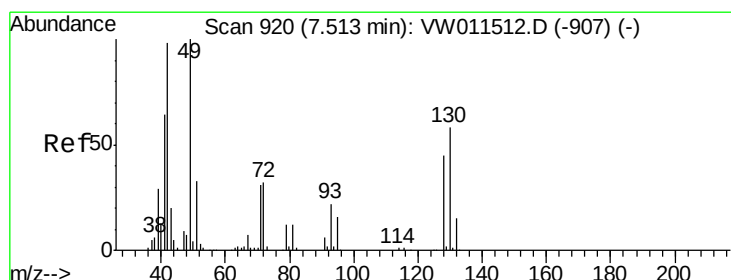
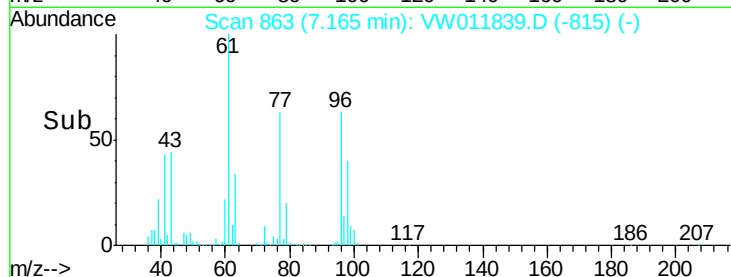
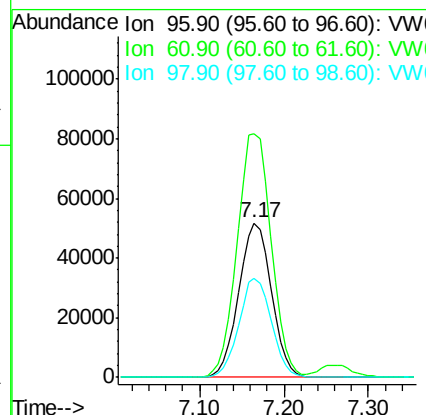
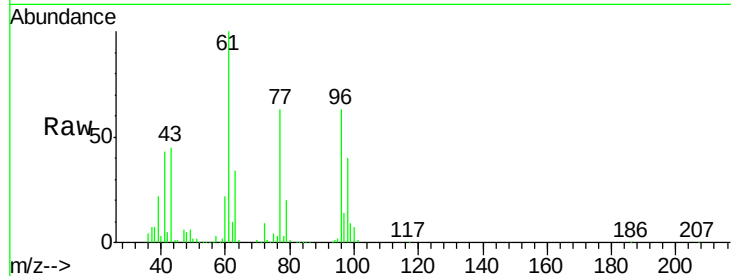
#27
 cis-1,2-Dichloroethene
 Concen: 46.875 ug/l
 RT: 7.17 min Scan# 863
 Delta R.T. -0.01 min
 Lab File: VW011839.D
 Acq: 12 Aug 2019 09:19

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
96	100	135964		
61	164.5	0.0	328.4	
98	63.8	0.0	128.8	

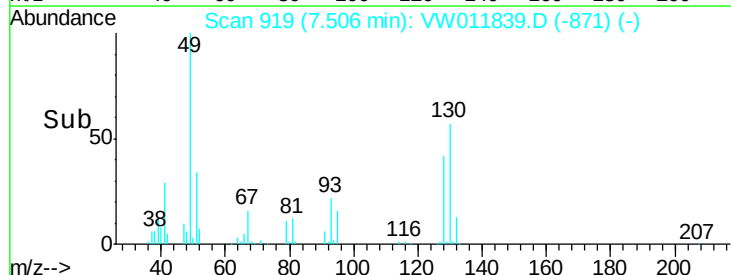
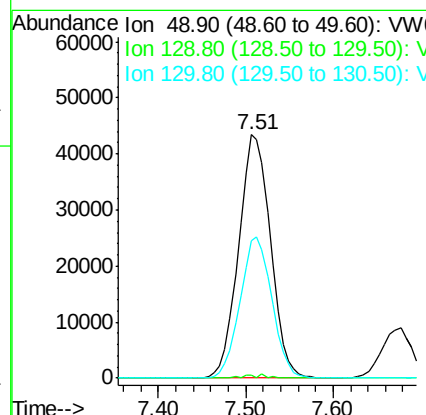
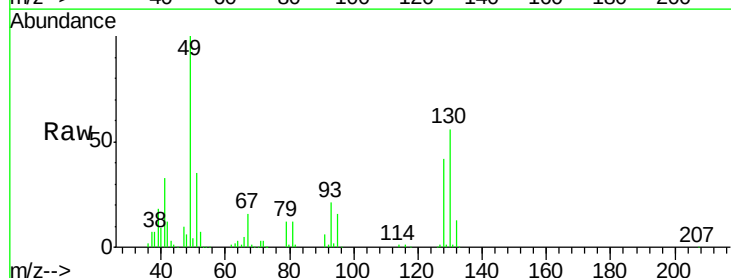
Manual Integrations
 APPROVED

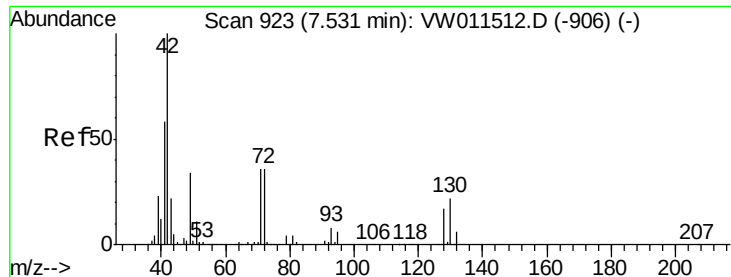
MMDadoda
 8/13/2019 4:32:10 PM



#28
 Bromochloromethane
 Concen: 47.251 ug/l
 RT: 7.51 min Scan# 919
 Delta R.T. -0.01 min
 Lab File: VW011839.D
 Acq: 12 Aug 2019 09:19

Tgt Ion	Ratio	Resp	Lower	Upper
49	100	110107		
129	0.6	0.0	1.0	
130	57.9	46.3	69.5	





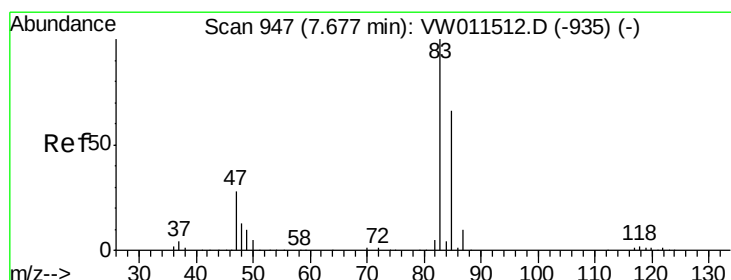
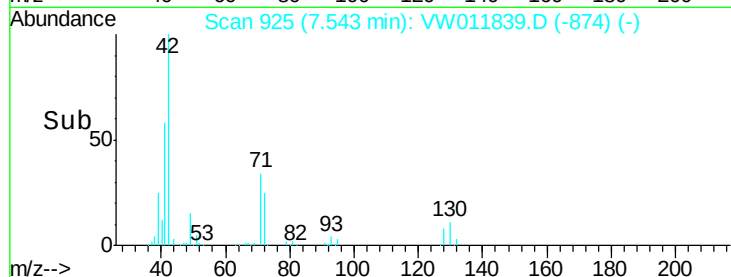
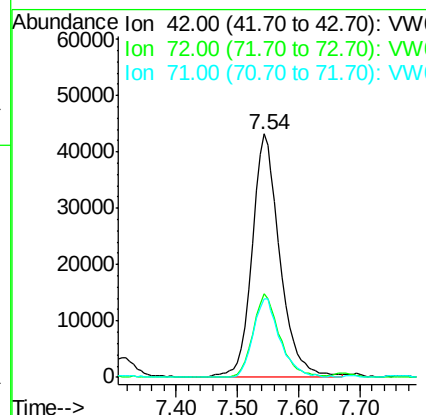
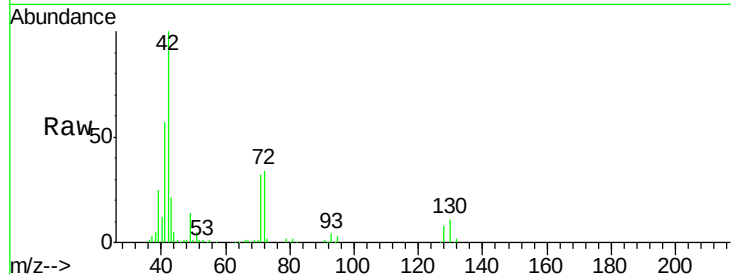
#29
Tetrahydrofuran
Concen: 212.669 ug/l
RT: 7.54 min Scan# 925
Delta R.T. 0.01 min
Lab File: VW011839.D
Acq: 12 Aug 2019 09:19

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion:	42	Resp:	136380
Ion Ratio		Lower	Upper
42	100		
72	33.0	27.1	40.7
71	31.5	26.2	39.4

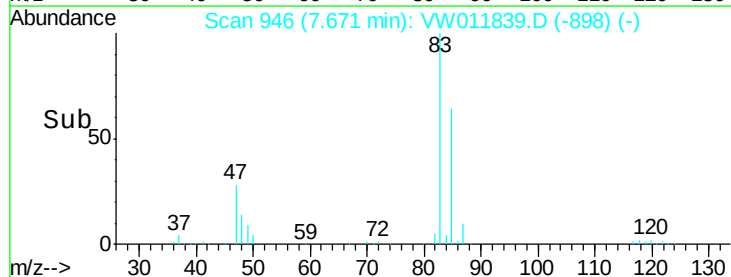
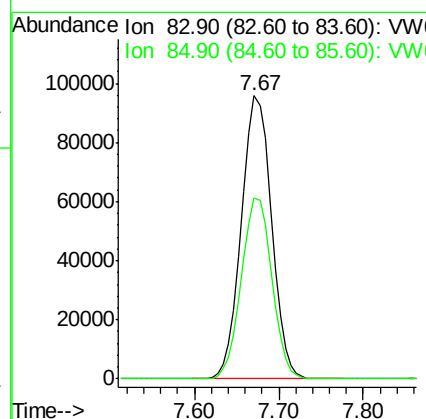
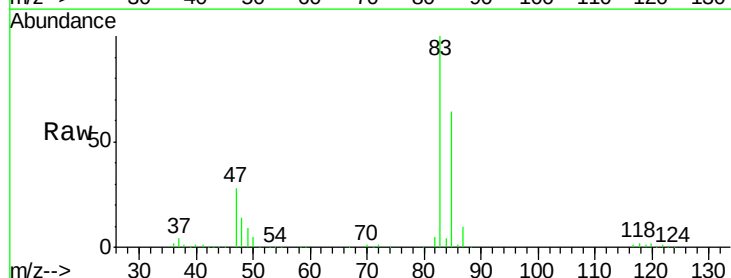
Manual Integrations
APPROVED

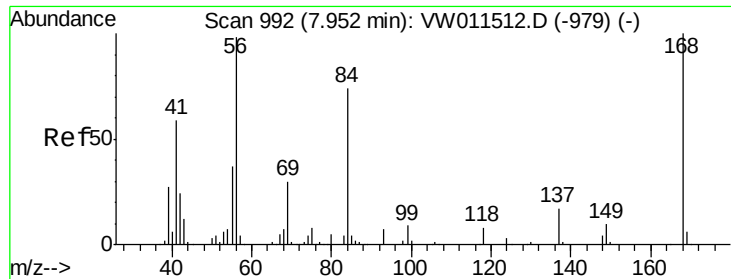
MMDadoda
8/13/2019 4:32:10 PM



#30
Chloroform
Concen: 47.934 ug/l
RT: 7.67 min Scan# 946
Delta R.T. -0.01 min
Lab File: VW011839.D
Acq: 12 Aug 2019 09:19

Tgt Ion:	83	Resp:	232167
Ion Ratio		Lower	Upper
83	100		
85	63.9	52.5	78.7





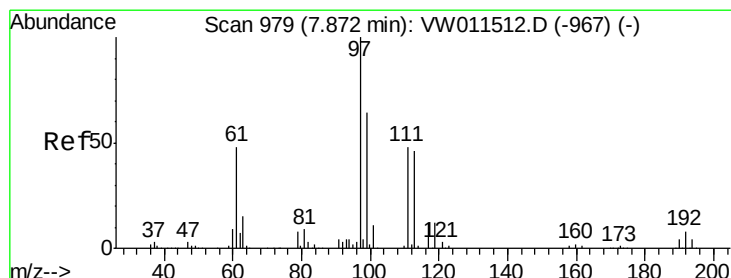
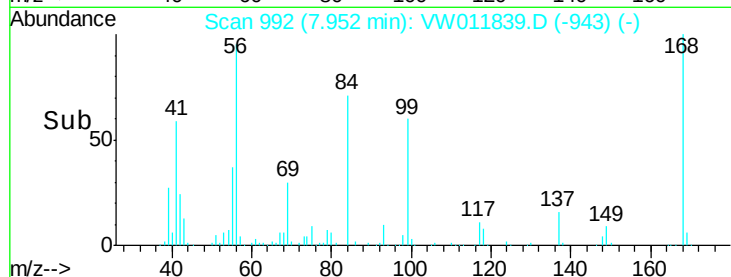
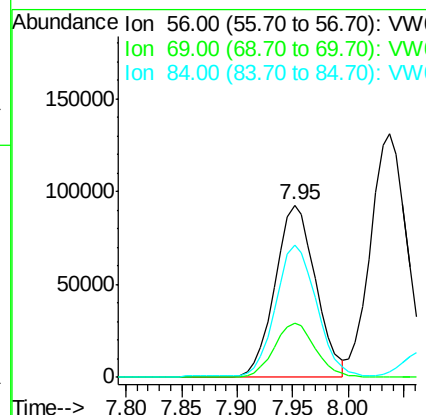
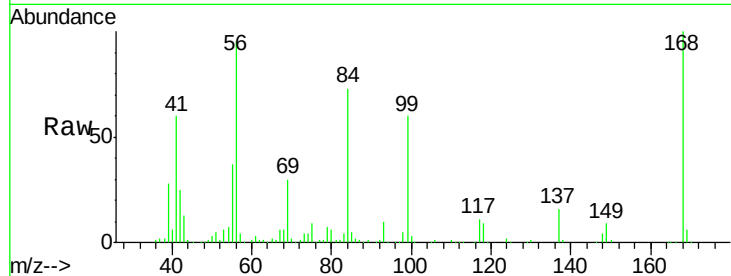
#31
Cyclohexane
Concen: 46.922 ug/l
RT: 7.95 min Scan# 992
Delta R.T. -0.00 min
Lab File: VW011839.D
Acq: 12 Aug 2019 09:19

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion	56	Resp	236465
Ion Ratio	Lower	Upper	
56	100		
69	31.2	24.3	36.5
84	75.4	60.4	90.6

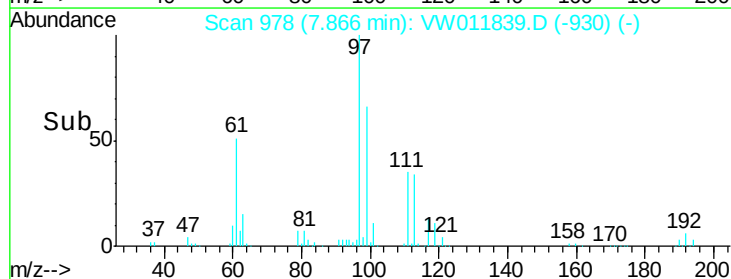
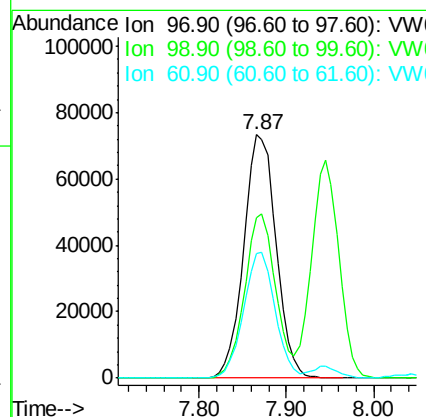
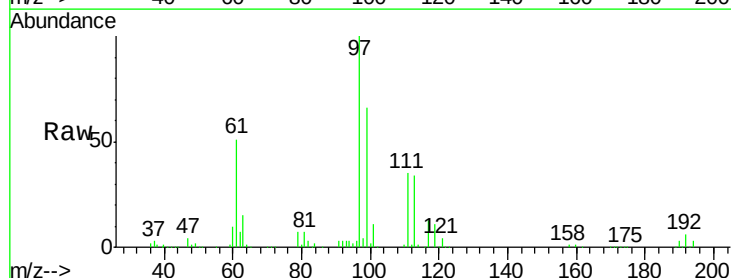
Manual Integrations
APPROVED

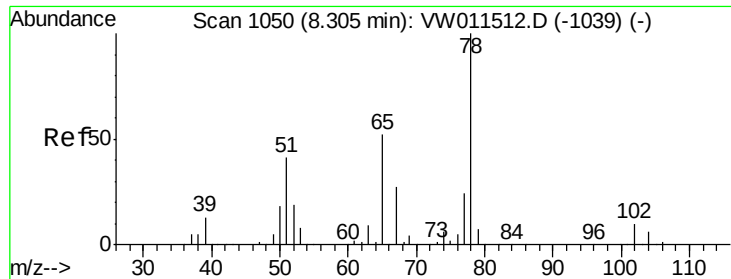
MMDadoda
8/13/2019 4:32:10 PM



#32
1,1,1-Trichloroethane
Concen: 51.069 ug/l
RT: 7.87 min Scan# 978
Delta R.T. -0.01 min
Lab File: VW011839.D
Acq: 12 Aug 2019 09:19

Tgt Ion	97	Resp	188372
Ion Ratio	Lower	Upper	
97	100		
99	65.1	51.0	76.6
61	50.5	39.8	59.6





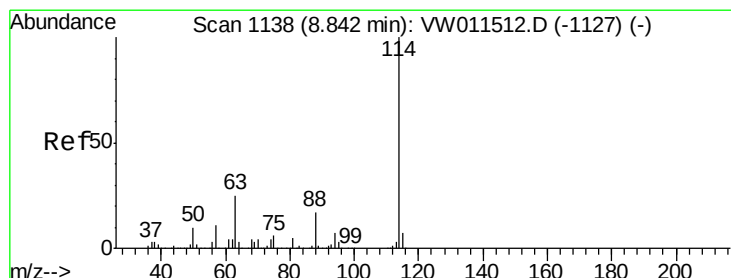
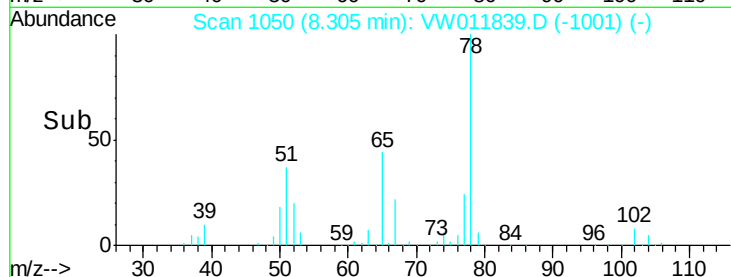
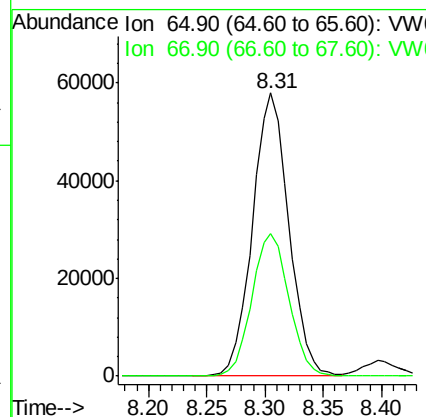
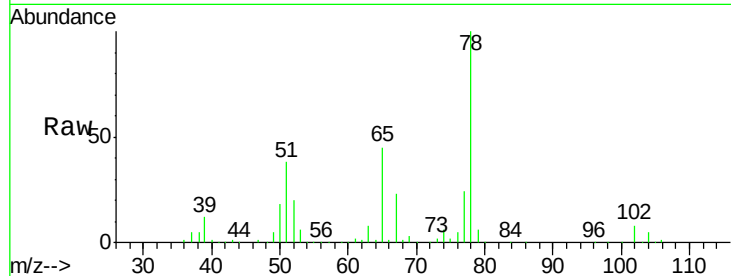
#33
 1,2-Dichloroethane-d4
 Concen: 46.595 ug/l
 RT: 8.31 min Scan# 1050
 Delta R.T. -0.00 min
 Lab File: VW011839.D
 Acq: 12 Aug 2019 09:19

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
65	100	125587		
67	51.4	0.0	105.2	

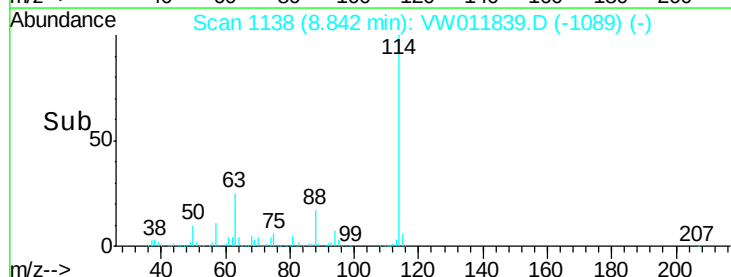
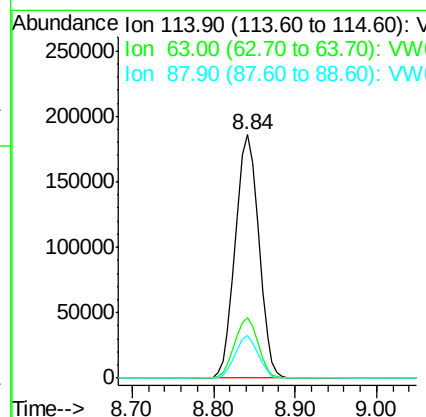
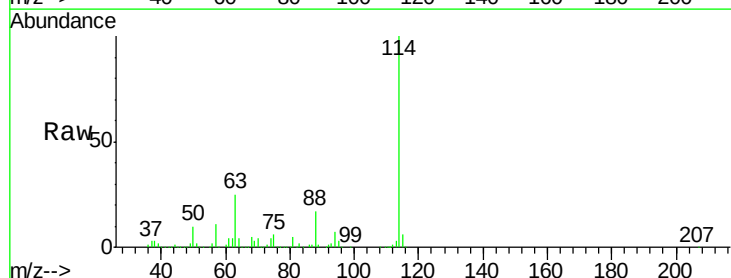
Manual Integrations
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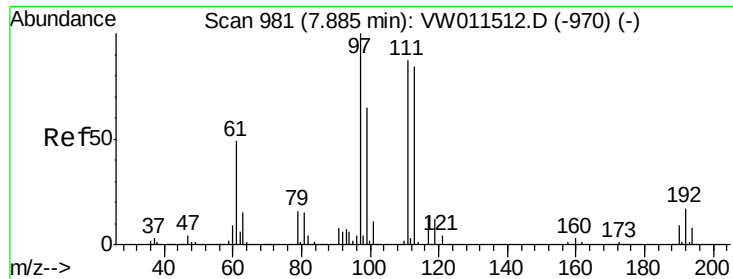
MMDadoda
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1138
 Delta R.T. -0.00 min
 Lab File: VW011839.D
 Acq: 12 Aug 2019 09:19

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	368541		
63	24.9	0.0	49.2	
88	17.4	0.0	33.8	





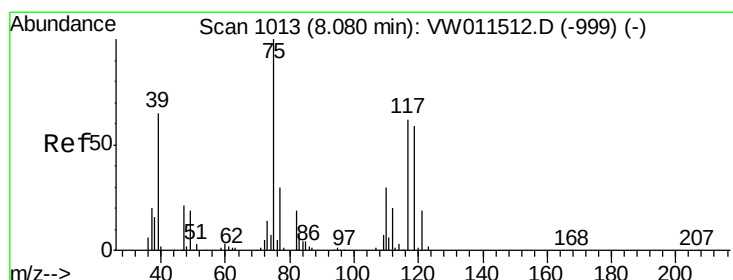
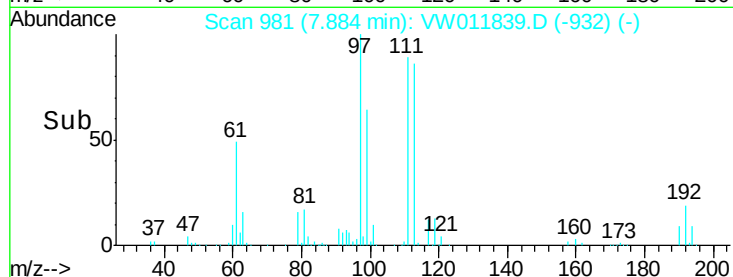
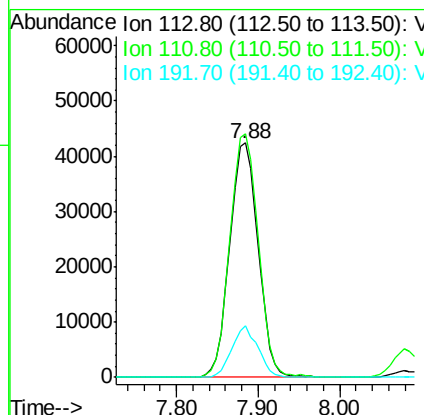
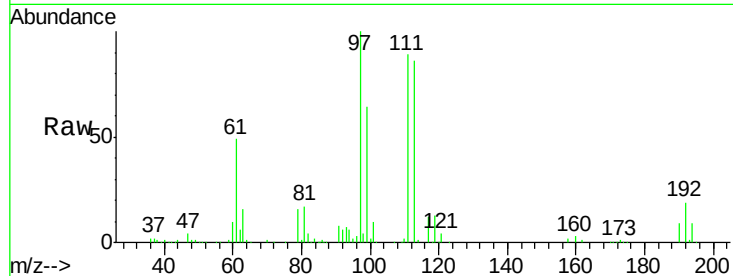
#35
 Dibromofluoromethane
 Concen: 49.346 ug/l
 RT: 7.88 min Scan# 981
 Delta R.T. -0.00 min
 Lab File: VW011839.D
 Acq: 12 Aug 2019 09:19

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
113	100	102026		
111	103.7	82.7	124.1	
192	20.1	16.1	24.1	

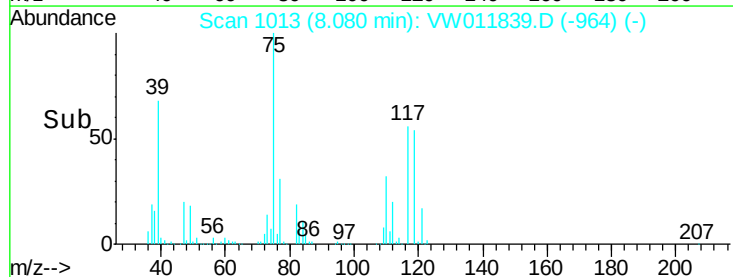
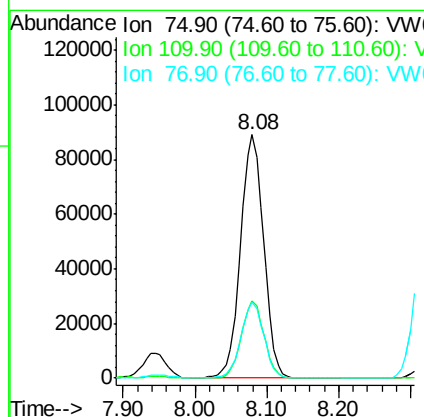
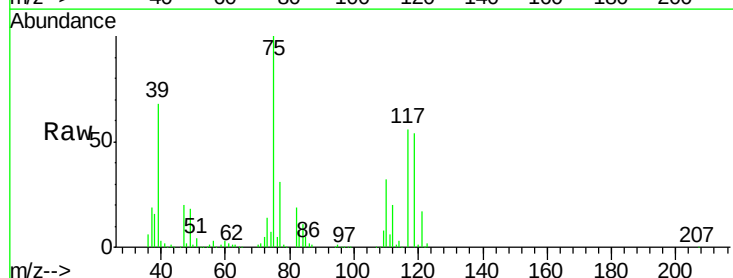
Manual Integrations
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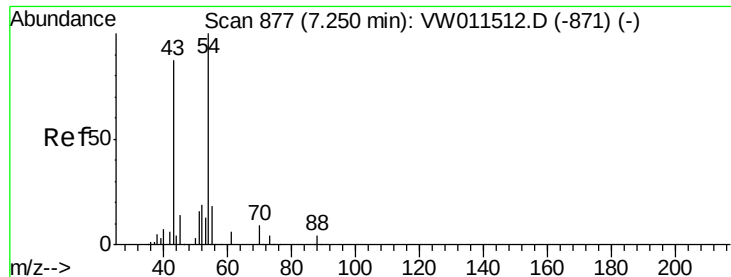
MMDadoda
 8/13/2019 4:32:10 PM



#36
 1,1-Dichloropropene
 Concen: 51.869 ug/l
 RT: 8.08 min Scan# 1013
 Delta R.T. -0.00 min
 Lab File: VW011839.D
 Acq: 12 Aug 2019 09:19

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	198770		
110	31.0	15.6	46.8	
77	30.9	24.3	36.5	





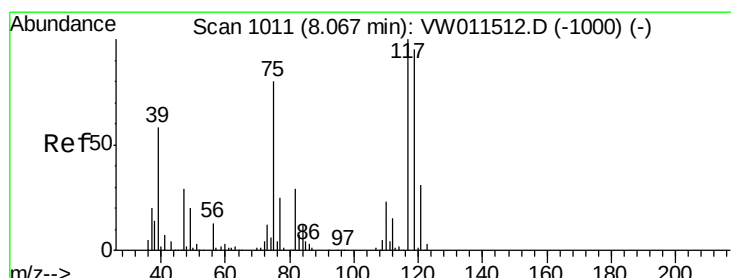
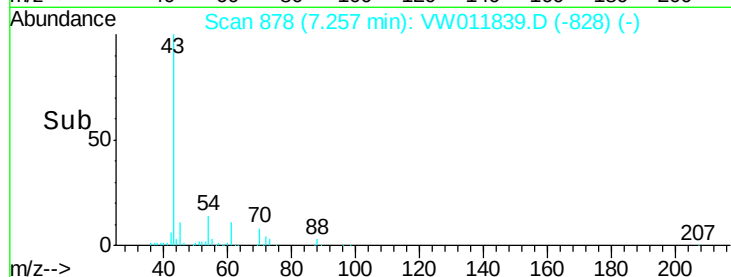
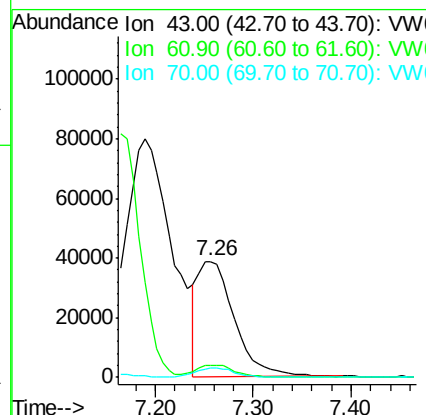
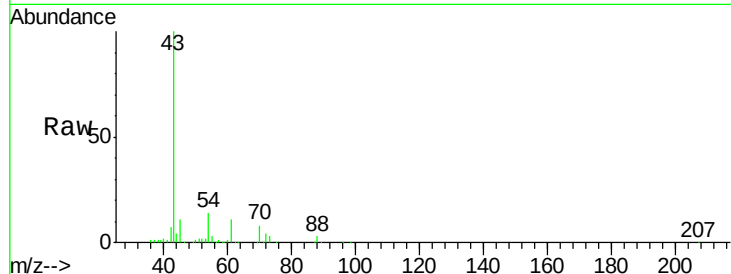
#37
Ethyl Acetate
Concen: 45.017 ug/l
RT: 7.26 min Scan# 878
Delta R.T. 0.01 min
Lab File: VW011839.D
Acq: 12 Aug 2019 09:19

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
43	100		
61	11.1	8.8	13.2
70	8.3	7.1	10.7

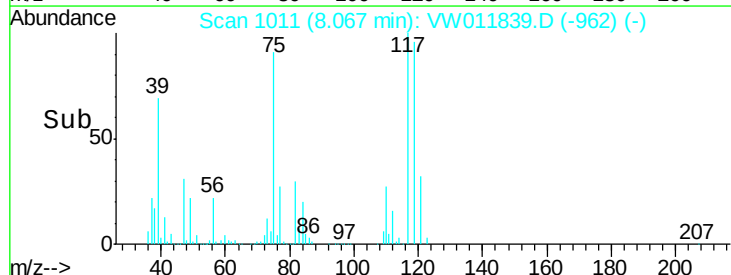
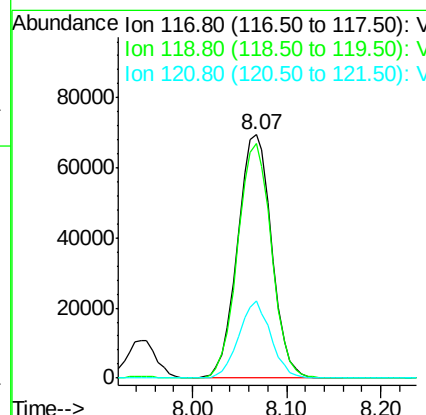
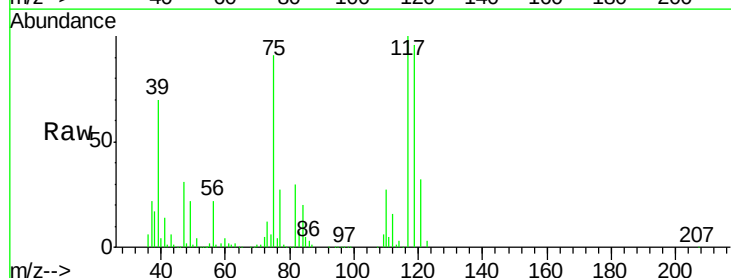
Manual Integrations
APPROVED

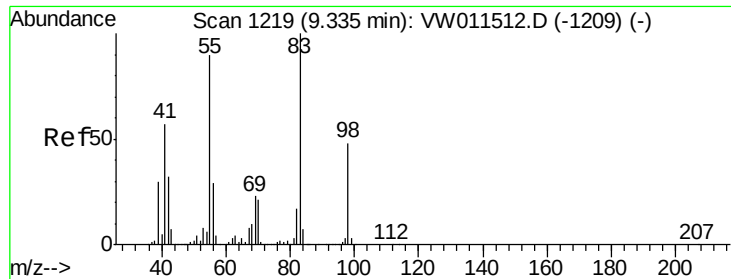
MMDadoda
8/13/2019 4:32:10 PM



#38
Carbon Tetrachloride
Concen: 53.387 ug/l
RT: 8.07 min Scan# 1011
Delta R.T. -0.00 min
Lab File: VW011839.D
Acq: 12 Aug 2019 09:19

Tgt Ion	Ratio	Lower	Upper
117	100		
119	96.2	75.8	113.6
121	31.7	24.7	37.1





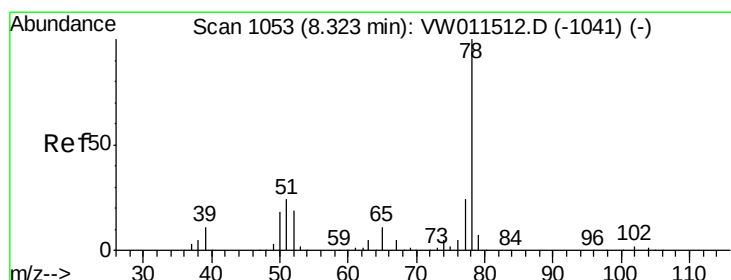
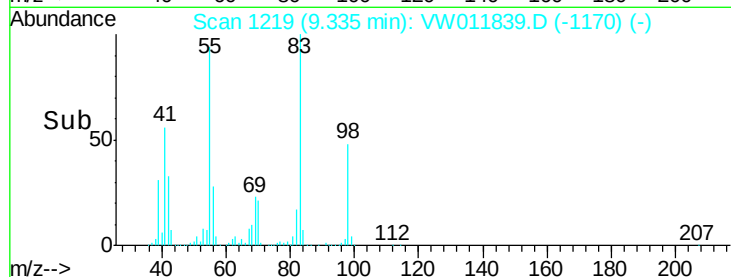
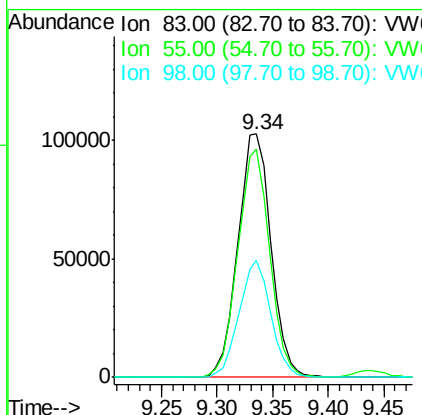
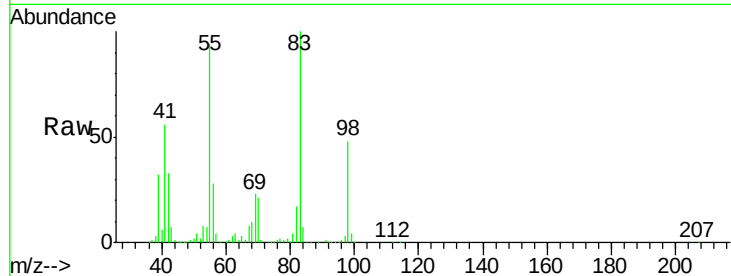
#39
Methylvlcyclohexane
Concen: 50.444 ug/l
RT: 9.34 min Scan# 1219
Delta R.T. -0.00 min
Lab File: VW011839.D
Acq: 12 Aug 2019 09:19

Instrument :
MSVOA_W
ClientSampled :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
83	100		
55	93.5	72.1	108.1
98	47.9	38.6	57.8

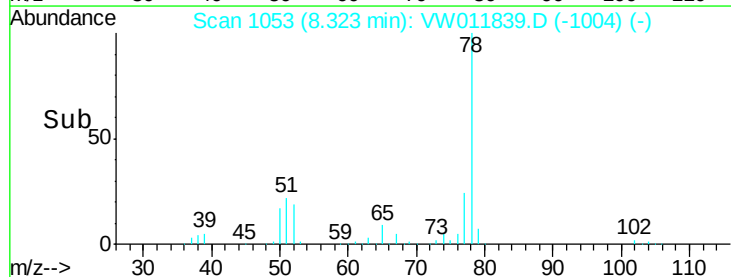
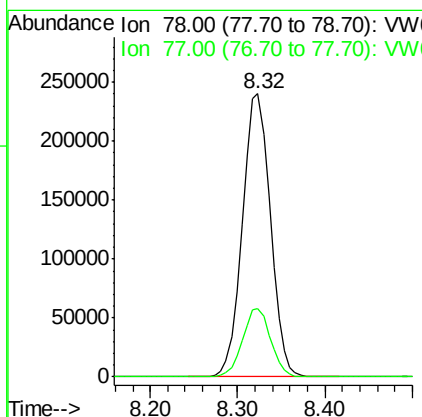
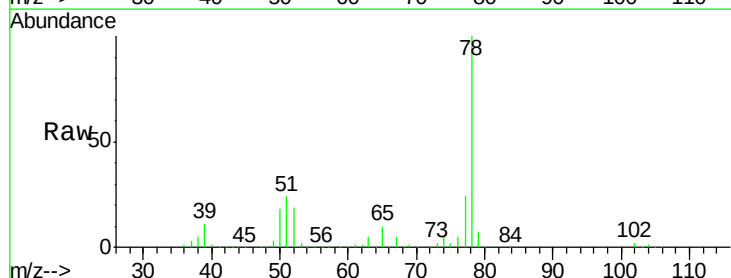
Manual Integrations
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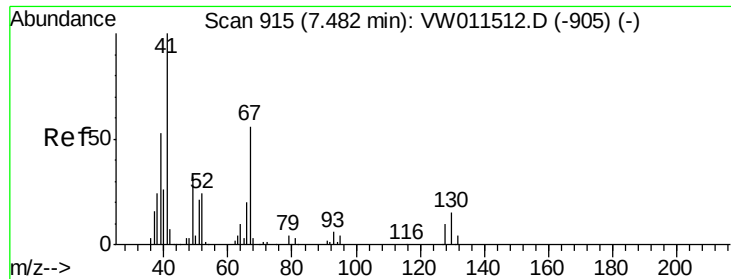
MMDadoda
8/13/2019 4:32:10 PM



#40
Benzene
Concen: 49.809 ug/l
RT: 8.32 min Scan# 1053
Delta R.T. -0.00 min
Lab File: VW011839.D
Acq: 12 Aug 2019 09:19

Tgt Ion	Ratio	Lower	Upper
78	100		
77	24.1	19.4	29.0





#41

Methacrylonitrile

Concen: 44.721 ug/l

RT: 7.49 min Scan# 916

Delta R.T. 0.01 min

Lab File: VW011839.D

Acq: 12 Aug 2019 09:19

Instrument :

MSVOA_W

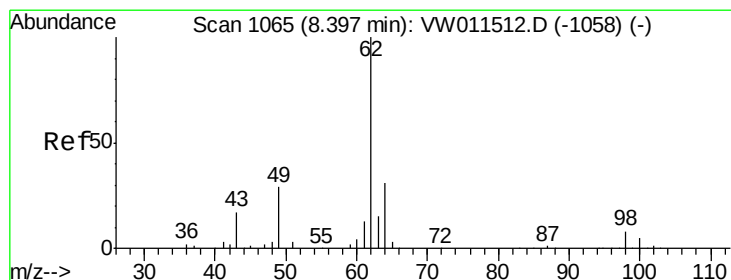
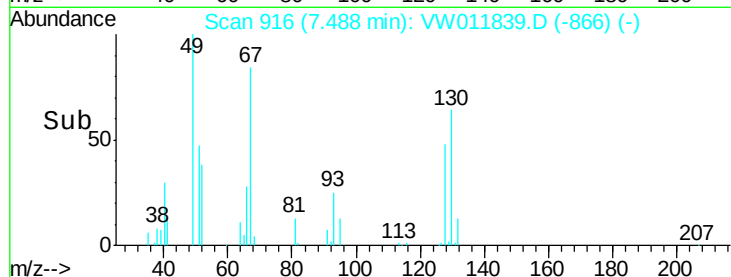
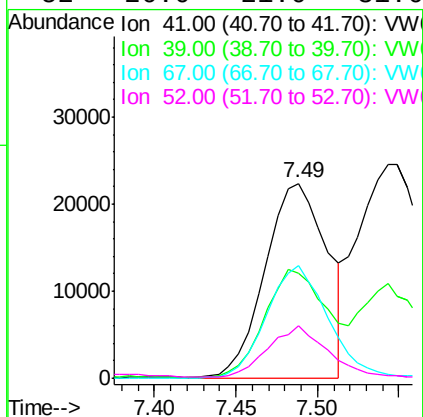
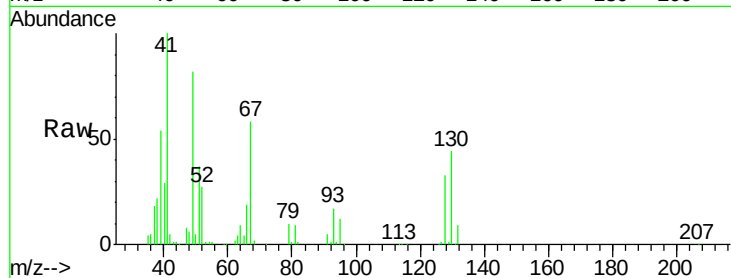
ClientSampleId :

VSTDCCC050

Tot Ion	41	Resp	58939
Ion	Ratio	Lower	Upper
41	100		
39	58.0	43.0	64.4
67	58.6	47.5	71.3
52	26.0	21.0	31.6

Manual Integrations
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MMDadoda
8/13/2019 4:32:10 PM



#42

1,2-Dichloroethane

Concen: 48.717 ug/l

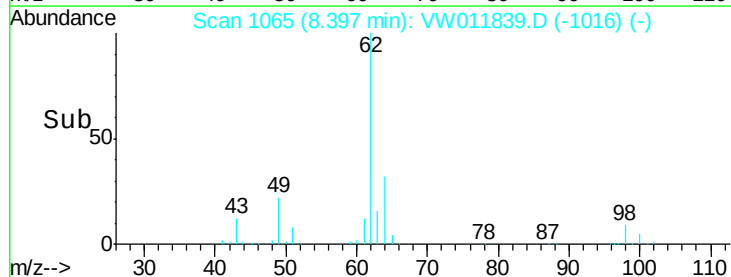
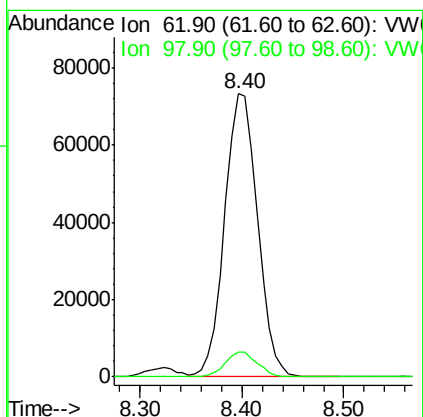
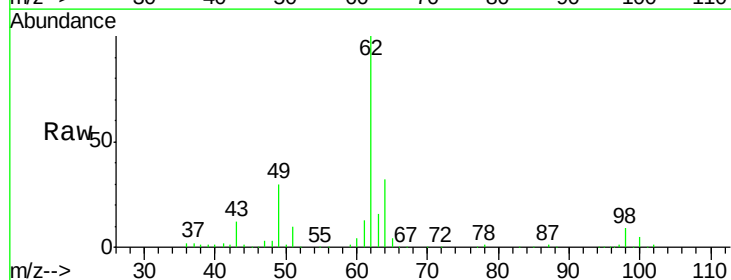
RT: 8.40 min Scan# 1065

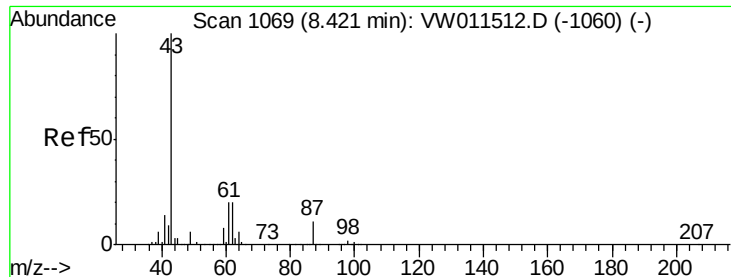
Delta R.T. -0.00 min

Lab File: VW011839.D

Acq: 12 Aug 2019 09:19

Tgt Ion	62	Resp	163724
Ion	Ratio	Lower	Upper
62	100		
98	8.6	0.0	16.8





#43

Isopropyl Acetate

Concen: 45.728 ug/l

RT: 8.43 min Scan# 1070

Delta R.T. 0.01 min

Lab File: VW011839.D

Acq: 12 Aug 2019 09:19

Instrument :

MSVOA_W

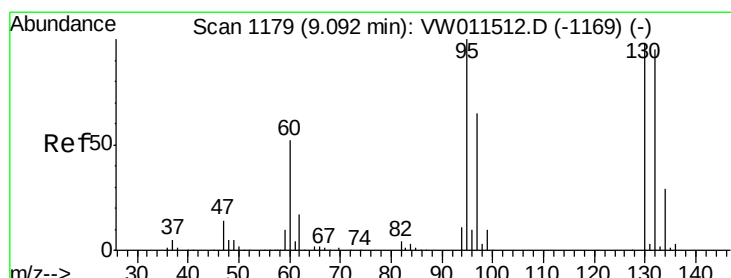
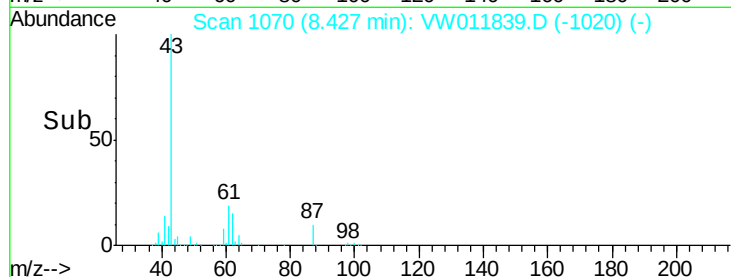
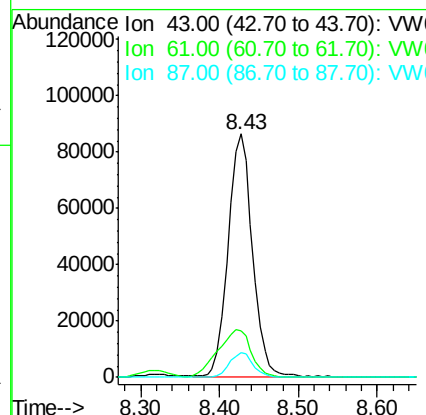
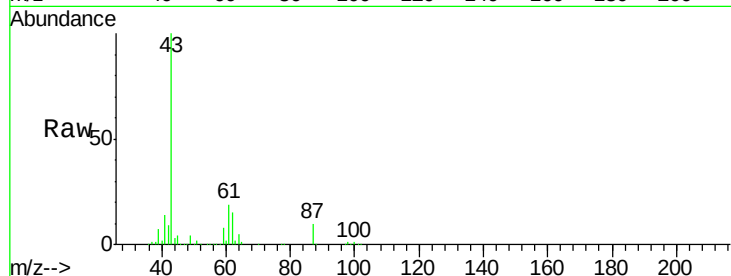
ClientSampleId :

VSTDCCC050

Tot Ion:	43	Resp:	185412
Ion Ratio	Lower	Upper	
43	100		
61	26.9	21.5	32.3
87	10.0	8.4	12.6

Manual Integrations
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#44

Trichloroethene

Concen: 50.422 ug/l

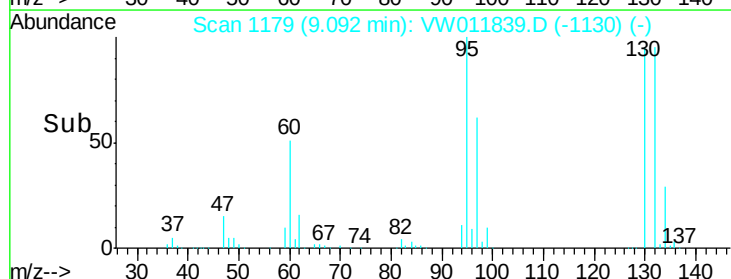
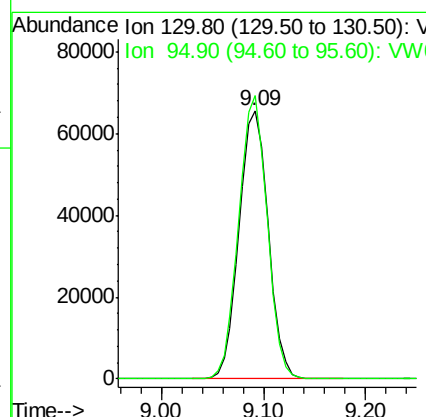
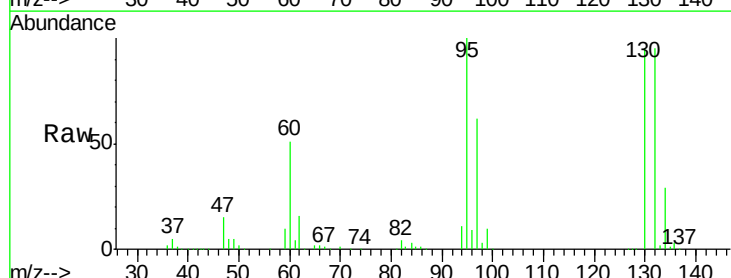
RT: 9.09 min Scan# 1179

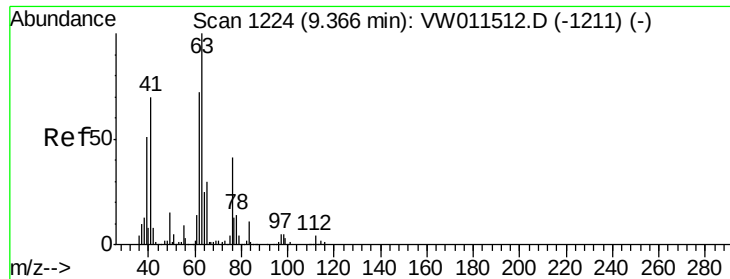
Delta R.T. -0.00 min

Lab File: VW011839.D

Acq: 12 Aug 2019 09:19

Tgt Ion:	130	Resp:	130084
Ion Ratio	Lower	Upper	
130	100		
95	105.5	0.0	204.8





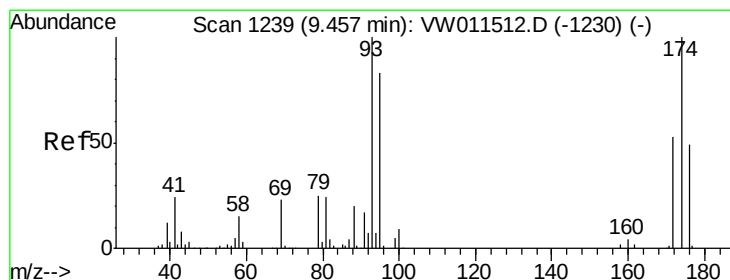
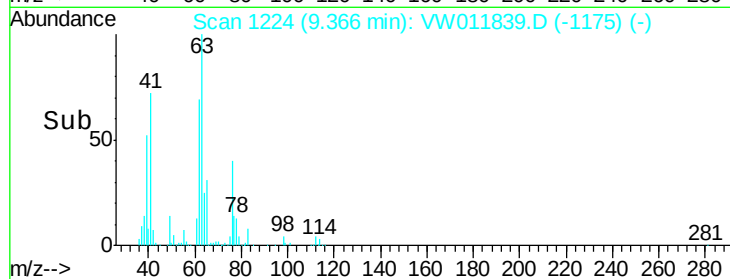
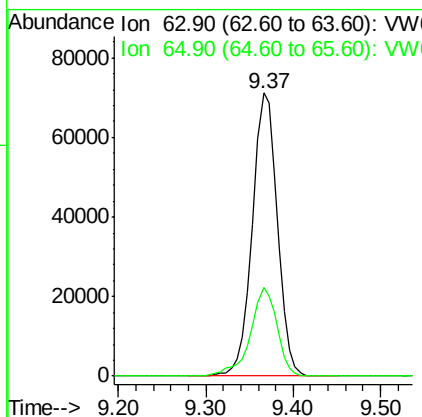
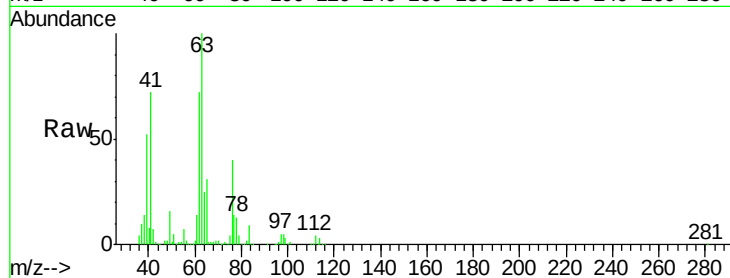
#45
 1,2-Dichloropropane
 Concen: 49.239 ug/l
 RT: 9.37 min Scan# 1224
 Delta R.T. -0.00 min
 Lab File: VW011839.D
 Acq: 12 Aug 2019 09:19

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
63	100		
65	31.2	24.2	36.4

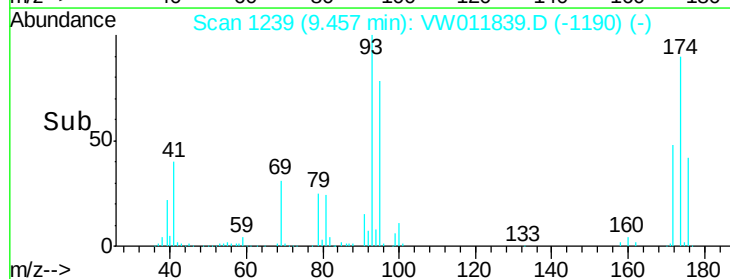
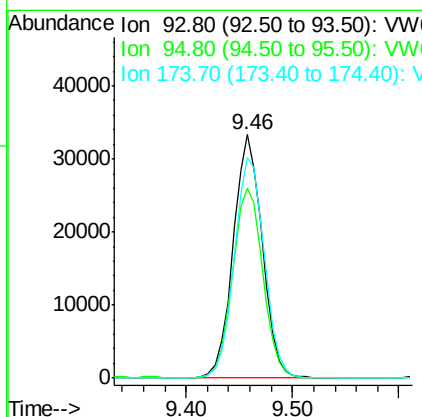
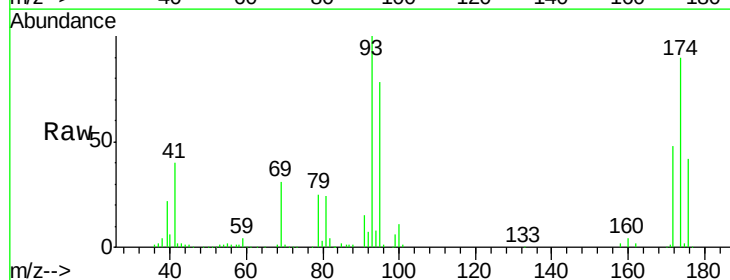
Manual Integrations
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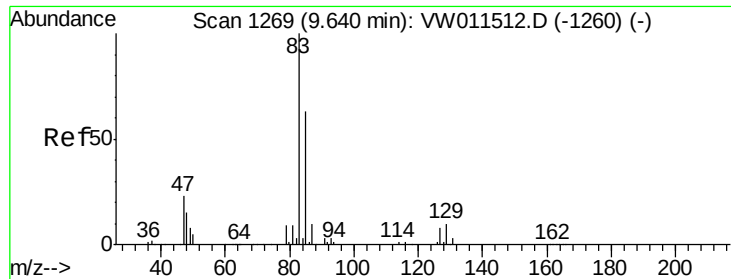
MMDadoda
 8/13/2019 4:32:10 PM



#46
 Dibromomethane
 Concen: 48.761 ug/l
 RT: 9.46 min Scan# 1239
 Delta R.T. -0.00 min
 Lab File: VW011839.D
 Acq: 12 Aug 2019 09:19

Tgt Ion	Ratio	Lower	Upper
93	100		
95	81.6	66.2	99.2
174	93.8	78.2	117.4





#47

Bromodichloromethane

Concen: 50.241 ug/l

RT: 9.64 min Scan# 1269

Delta R.T. -0.00 min

Lab File: VW011839.D

Acq: 12 Aug 2019 09:19

Instrument :

MSVOA_W

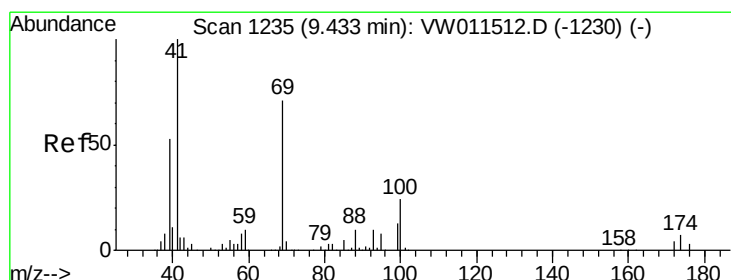
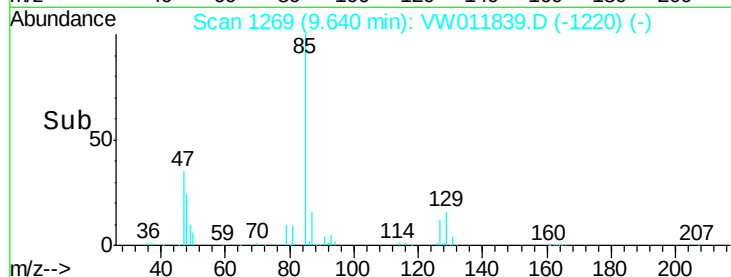
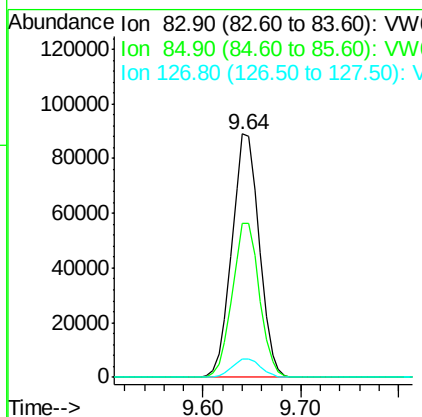
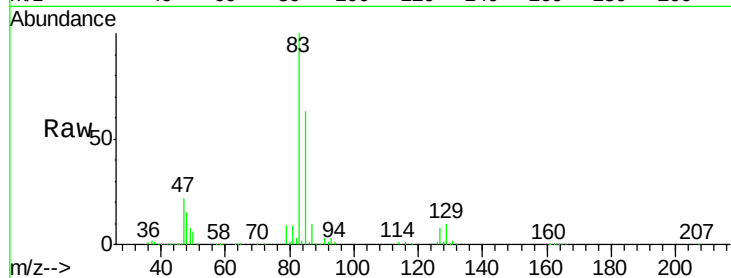
ClientSampleId :

VSTDCCC050

Tot Ion:	83	Resp:	172758
Ion	Ratio	Lower	Upper
83	100		
85	63.2	50.5	75.7
127	7.8	6.4	9.6

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#48

Methyl methacrylate

Concen: 45.059 ug/l

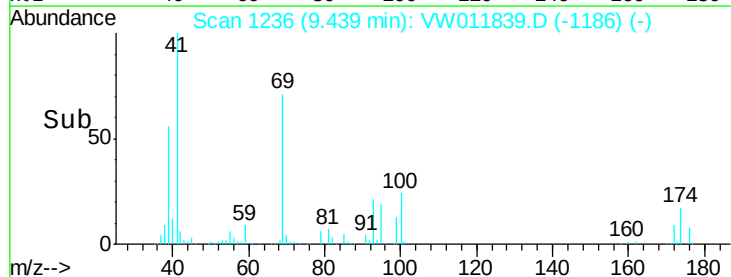
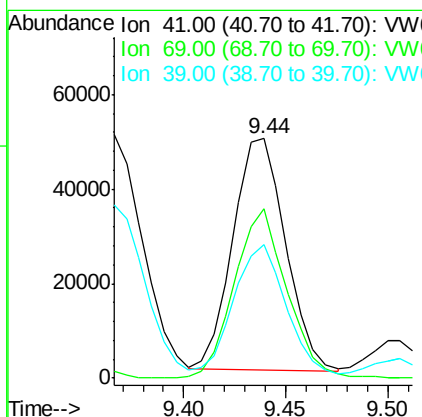
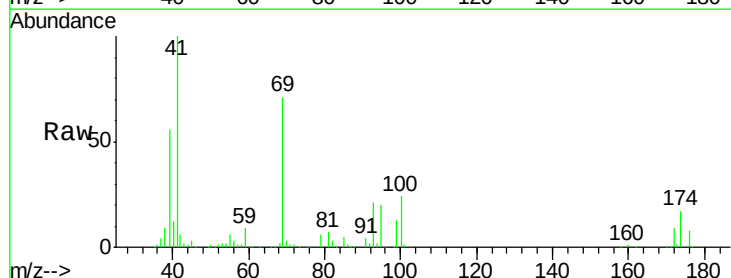
RT: 9.44 min Scan# 1236

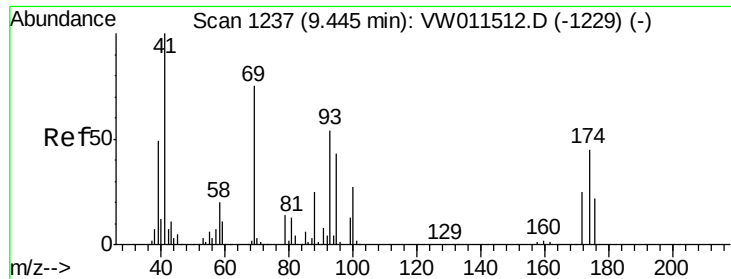
Delta R.T. 0.01 min

Lab File: VW011839.D

Acq: 12 Aug 2019 09:19

Tgt Ion:	41	Resp:	87762
Ion	Ratio	Lower	Upper
41	100		
69	72.8	57.1	85.7
39	59.1	45.4	68.2





#49

1,4-Dioxane

Concen: 433.337 ug/l

RT: 9.52 min Scan# 1249

Delta R.T. 0.07 min

Lab File: VW011839.D

Acq: 12 Aug 2019 09:19

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

Tot Ion: 88 Resp: 8225

Ion Ratio Lower Upper

88 100

43 1756.7 34.0 51.0

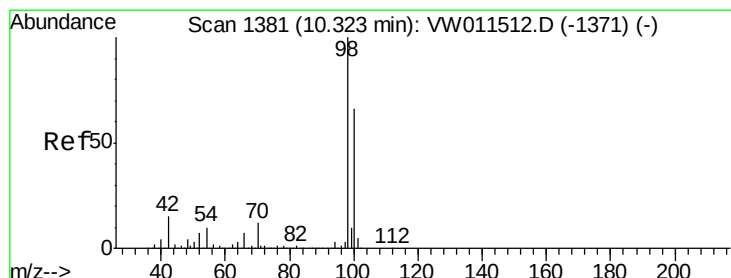
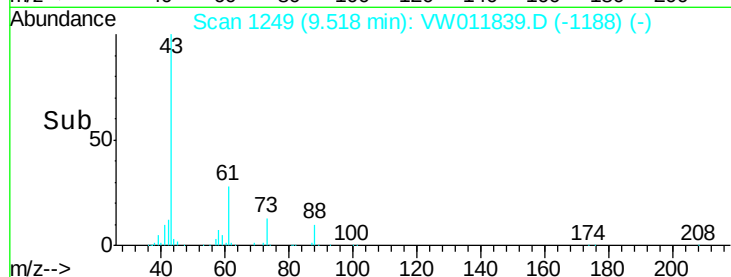
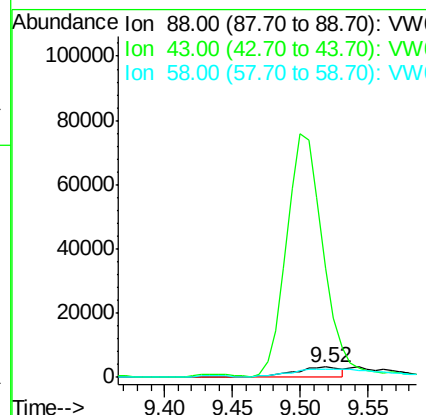
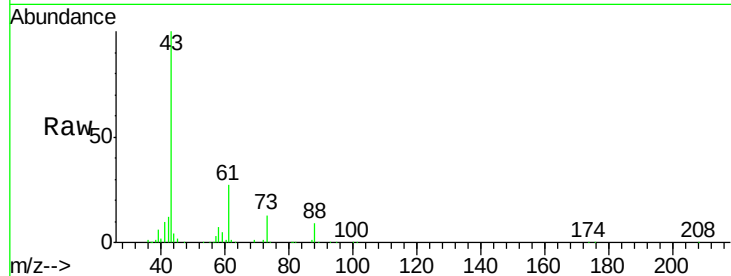
58 53.6 69.7 104.5#

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#50

Toluene-d8

Concen: 49.389 ug/l

RT: 10.32 min Scan# 1381

Delta R.T. -0.00 min

Lab File: VW011839.D

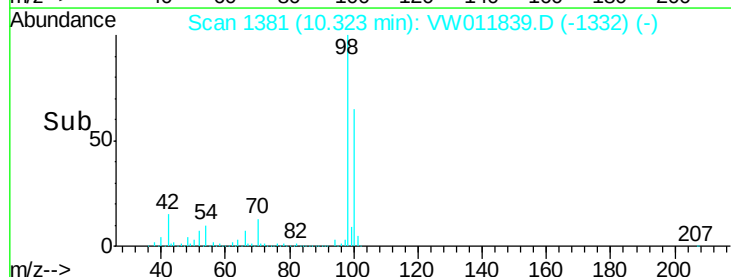
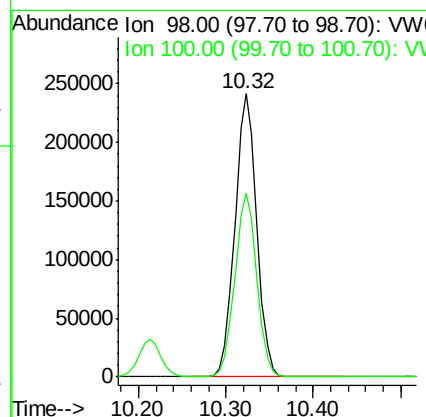
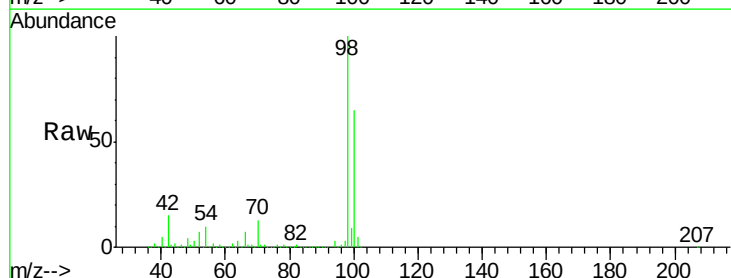
Acq: 12 Aug 2019 09:19

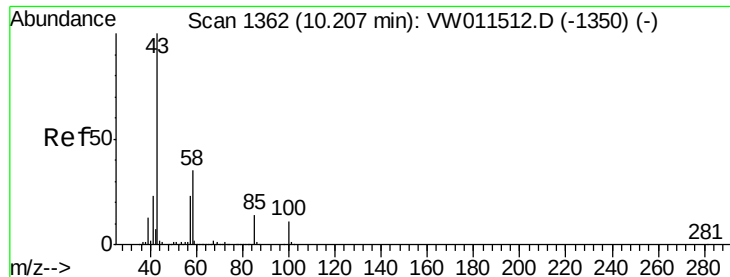
Tgt Ion: 98 Resp: 418091

Ion Ratio Lower Upper

98 100

100 65.4 52.7 79.1





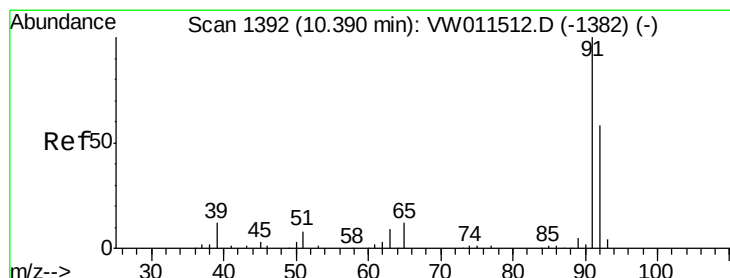
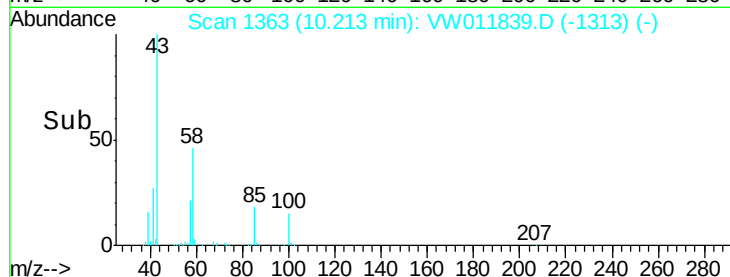
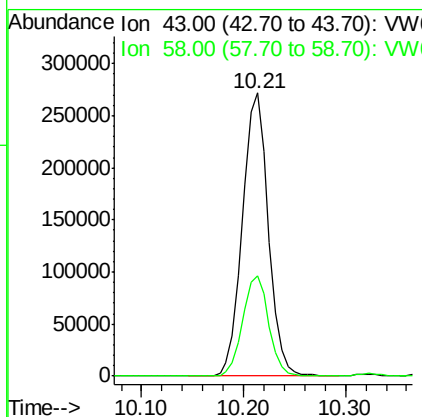
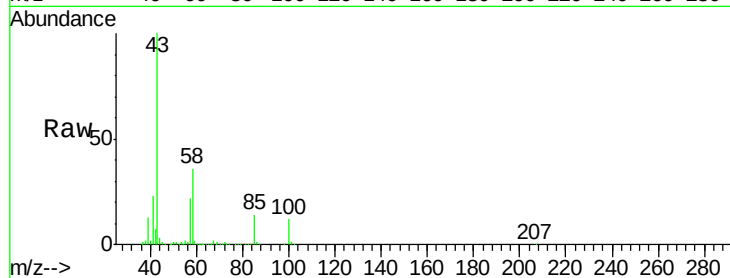
#51
4-Methyl-2-Pentanone
Concen: 226.936 ug/l
RT: 10.21 min Scan# 1363
Delta R.T. 0.01 min
Lab File: VW011839.D
Acq: 12 Aug 2019 09:19

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion	43	Resp	478618
Ion	Ratio	Lower	Upper
43	100		
58	35.5	28.2	42.2

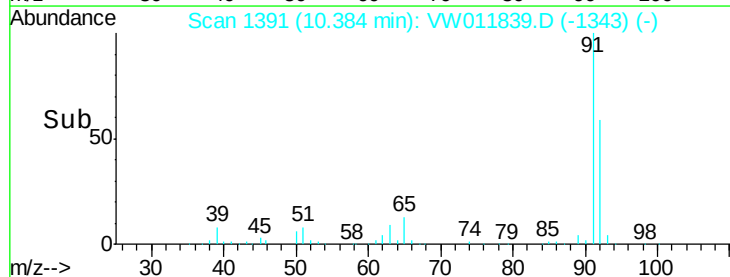
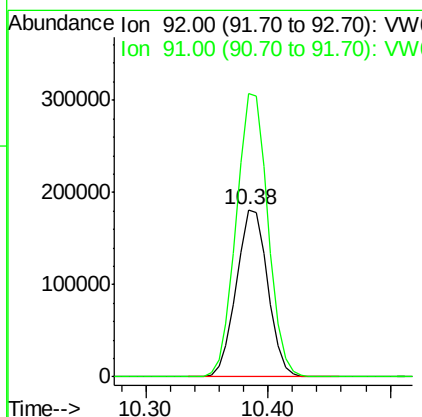
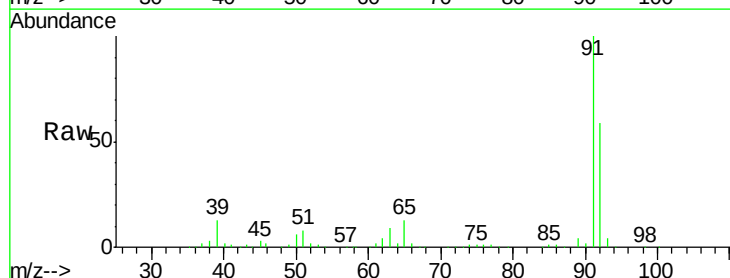
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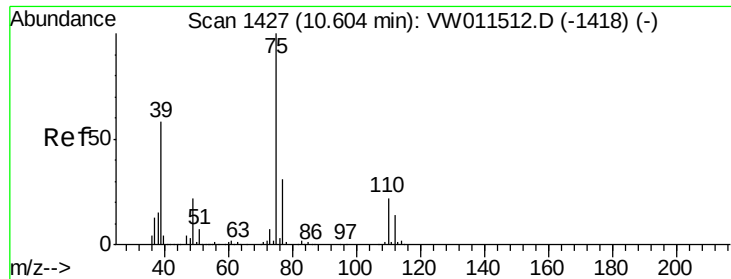
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#52
Toluene
Concen: 49.856 ug/l
RT: 10.38 min Scan# 1391
Delta R.T. -0.01 min
Lab File: VW011839.D
Acq: 12 Aug 2019 09:19

Tgt Ion	92	Resp	323178
Ion	Ratio	Lower	Upper
92	100		
91	170.3	136.7	205.1





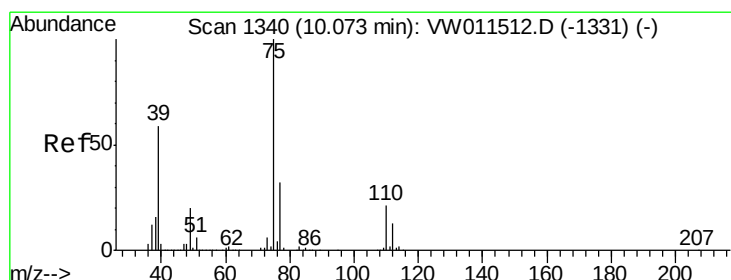
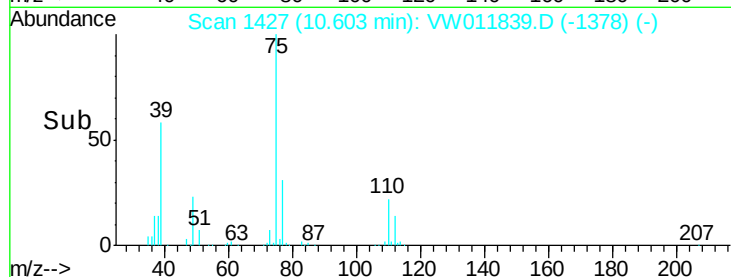
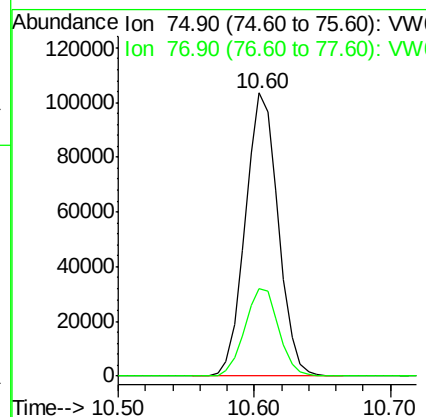
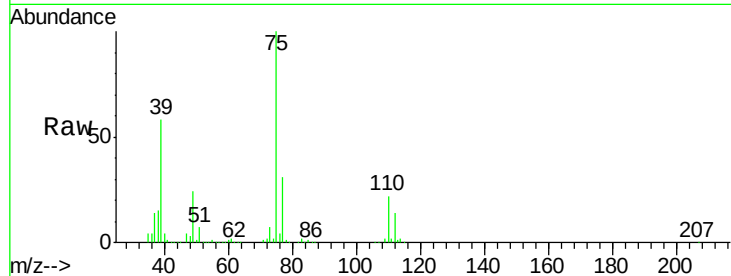
#53
 t-1,3-Dichloropropene
 Concen: 48.700 ug/l
 RT: 10.60 min Scan# 1427
 Delta R.T. -0.00 min
 Lab File: VW011839.D
 Acq: 12 Aug 2019 09:19

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

Tot Ion: 75 Resp: 174930
 Ion Ratio Lower Upper
 75 100
 77 30.7 25.0 37.4

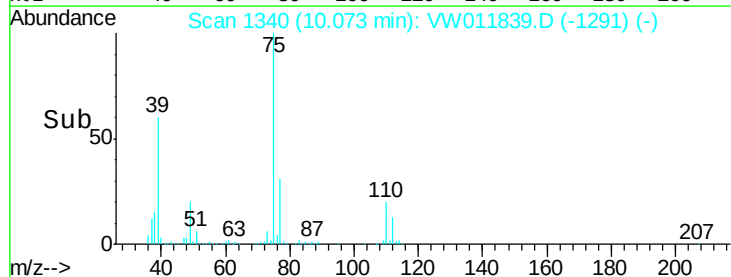
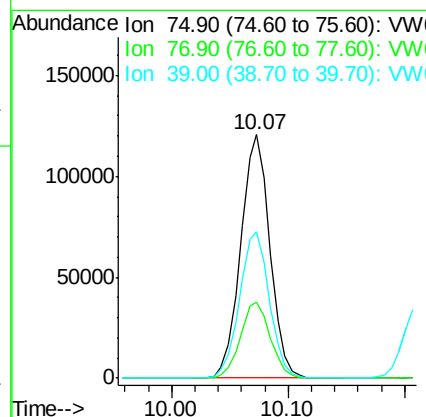
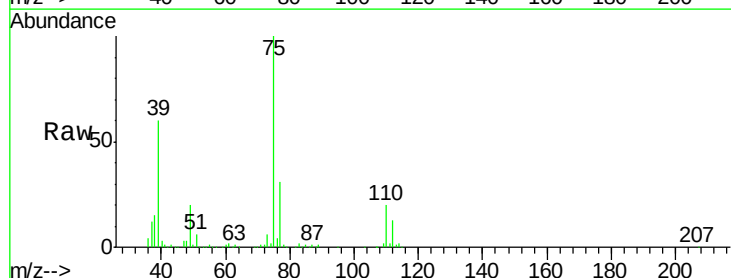
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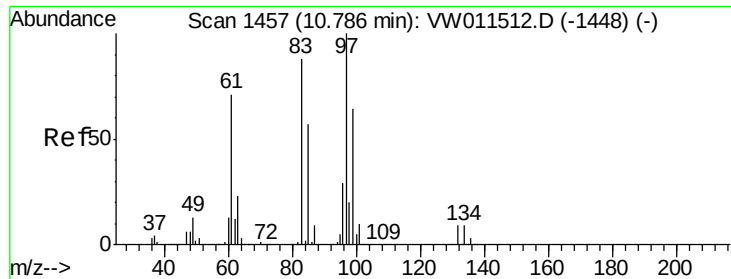
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#54
 cis-1,3-Dichloropropene
 Concen: 49.233 ug/l
 RT: 10.07 min Scan# 1340
 Delta R.T. -0.00 min
 Lab File: VW011839.D
 Acq: 12 Aug 2019 09:19

Tgt Ion: 75 Resp: 210266
 Ion Ratio Lower Upper
 75 100
 77 31.3 25.6 38.4
 39 59.9 47.0 70.4





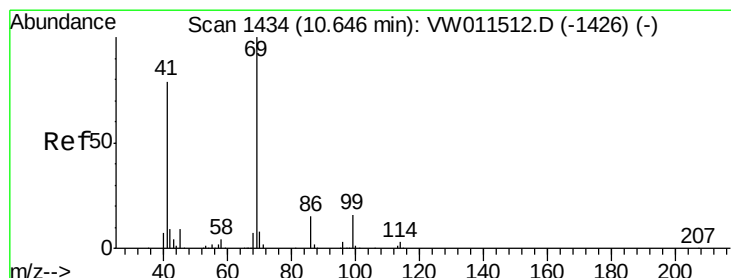
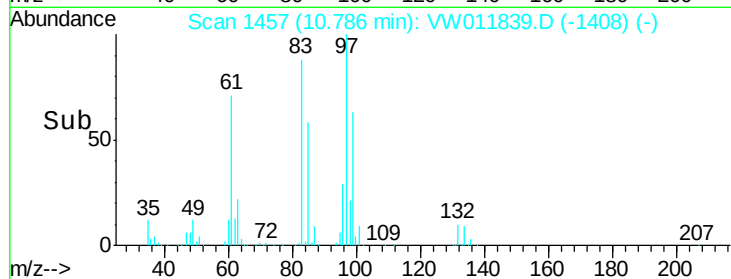
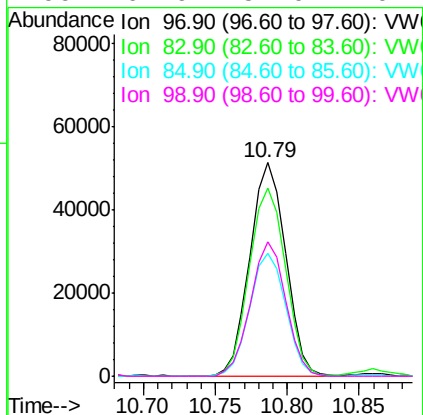
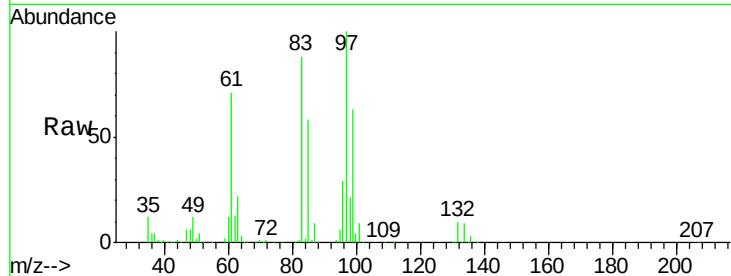
#55
 1,1,2-Trichloroethane
 Concen: 47.690 ug/l
 RT: 10.79 min Scan# 1457
 Delta R.T. -0.00 min
 Lab File: VW011839.D
 Acq: 12 Aug 2019 09:19

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

Tot Ion:	97	Resp:	88701
Ion	Ratio	Lower	Upper
97	100		
83	88.0	70.5	105.7
85	57.6	45.8	68.6
99	62.9	51.0	76.4

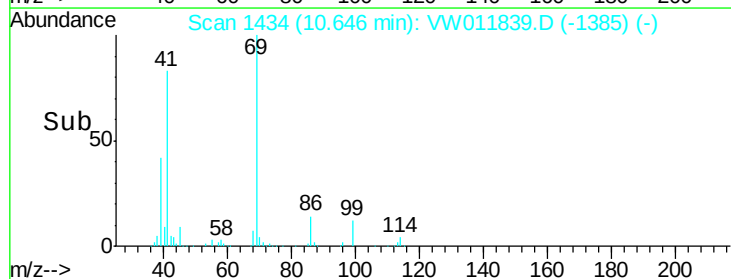
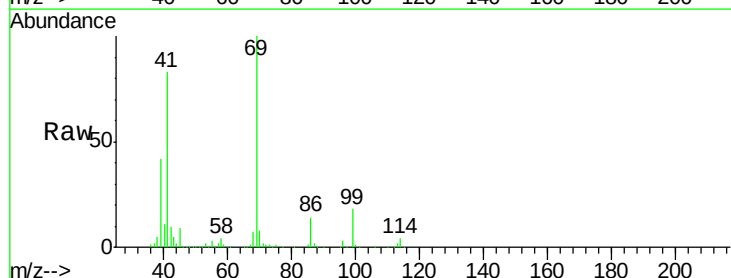
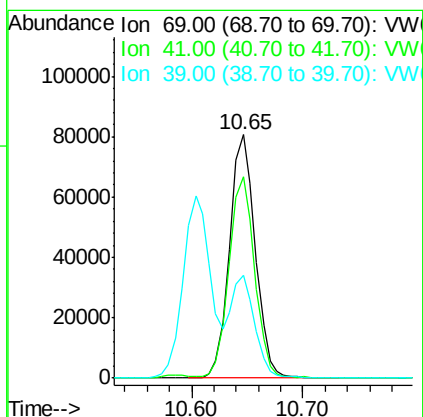
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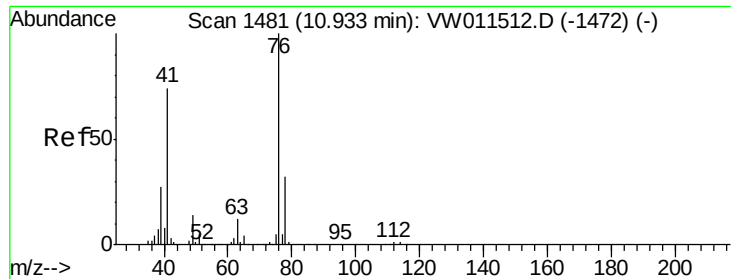
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#56
 Ethyl methacrylate
 Concen: 47.349 ug/l
 RT: 10.65 min Scan# 1434
 Delta R.T. -0.00 min
 Lab File: VW011839.D
 Acq: 12 Aug 2019 09:19

Tgt Ion:	69	Resp:	128868
Ion	Ratio	Lower	Upper
69	100		
41	81.7	66.6	99.8
39	39.4	30.3	45.5





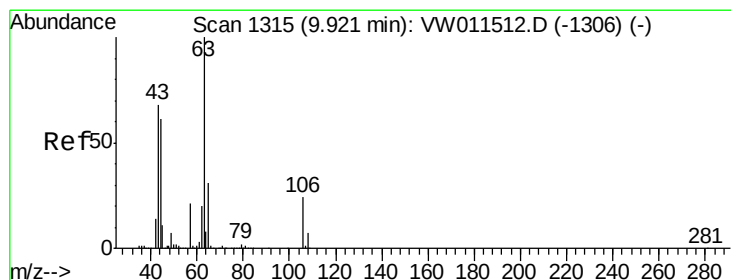
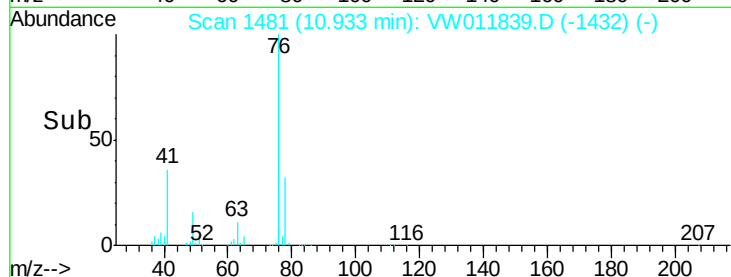
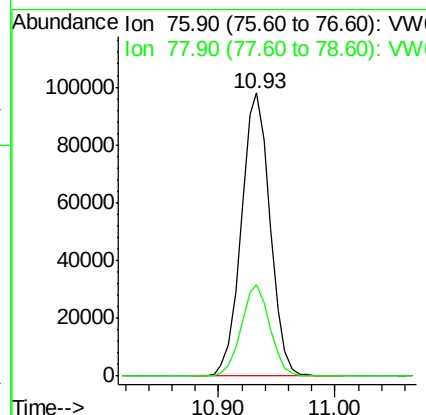
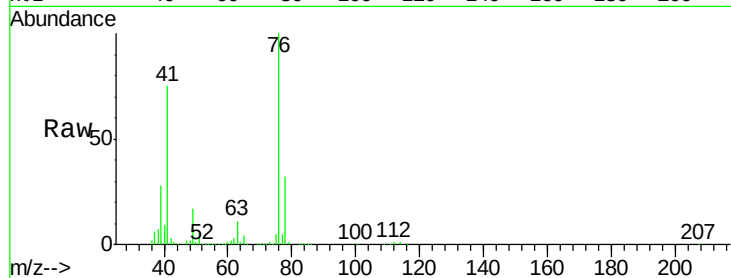
#57
 1,3-Dichloropropane
 Concen: 47.763 ug/l
 RT: 10.93 min Scan# 1481
 Delta R.T. -0.00 min
 Lab File: VW011839.D
 Acq: 12 Aug 2019 09:19

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

Tot Ion: 76 Resp: 168068
 Ion Ratio Lower Upper
 76 100
 78 32.3 25.2 37.8

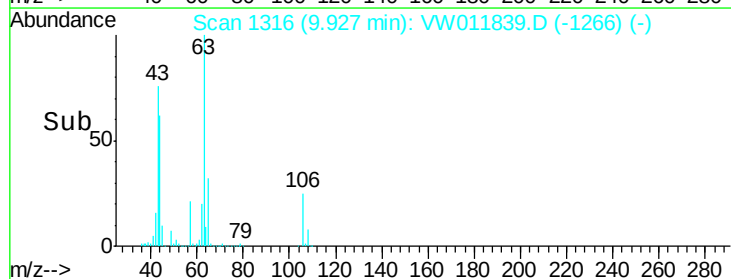
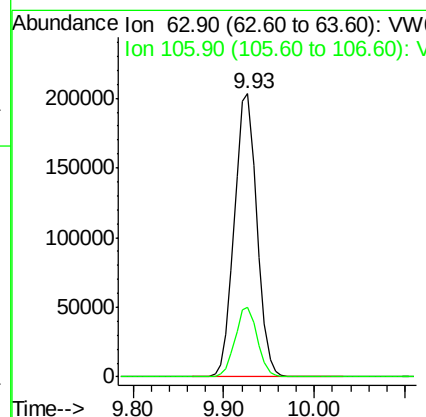
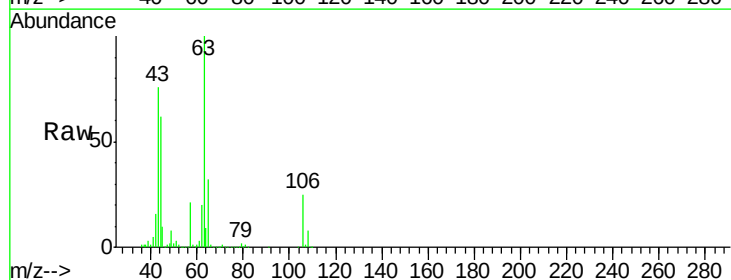
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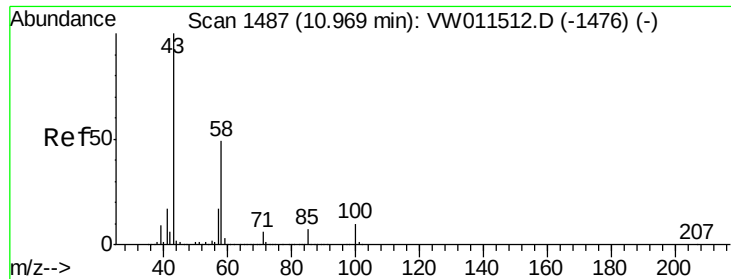
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#58
 2-Chloroethyl Vinyl ether
 Concen: 284.126 ug/l
 RT: 9.93 min Scan# 1316
 Delta R.T. 0.01 min
 Lab File: VW011839.D
 Acq: 12 Aug 2019 09:19

Tgt Ion: 63 Resp: 351108
 Ion Ratio Lower Upper
 63 100
 106 24.4 19.7 29.5





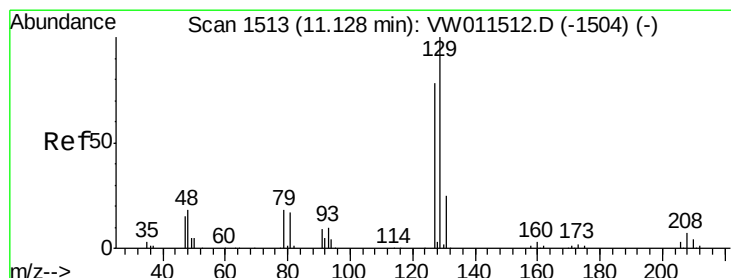
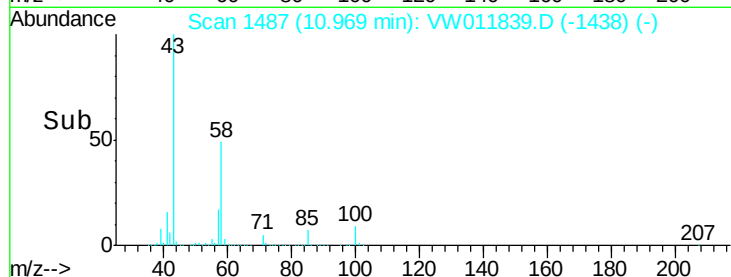
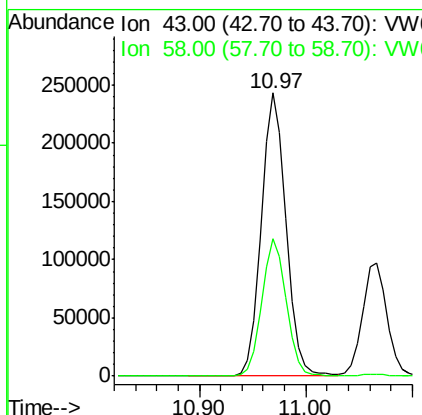
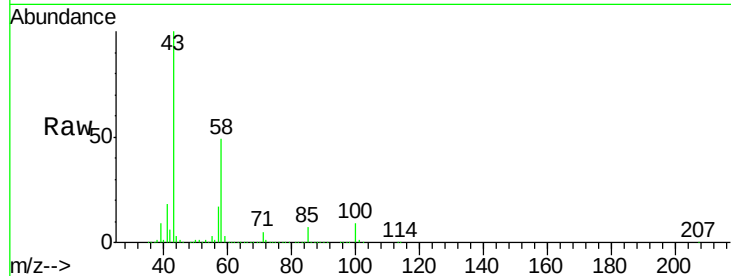
#59
2-Hexanone
Concen: 265.366 ug/l
RT: 10.97 min Scan# 1487
Delta R.T. -0.00 min
Lab File: VW011839.D
Acq: 12 Aug 2019 09:19

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion	43	Resp	395162
Ion Ratio	100	Lower	Upper
43	100		
58	48.2	24.3	72.9

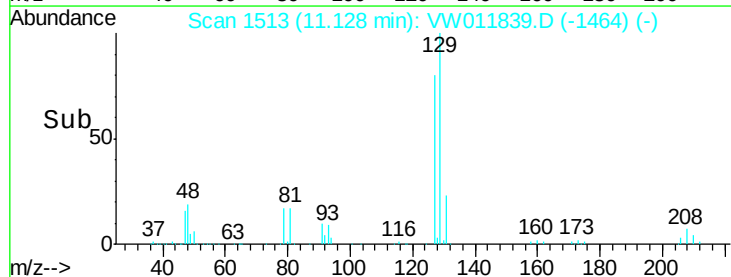
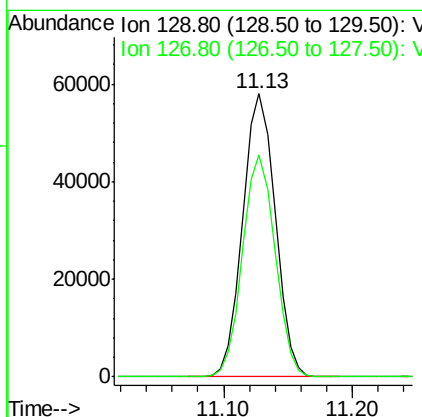
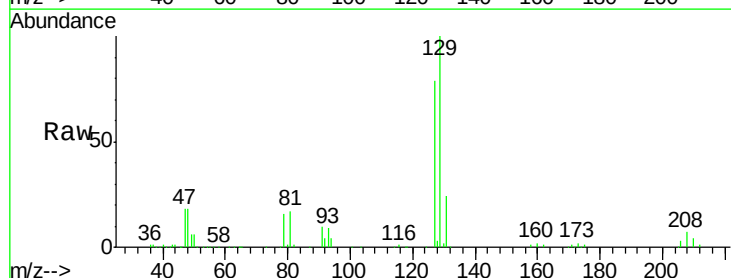
Manual Integrations
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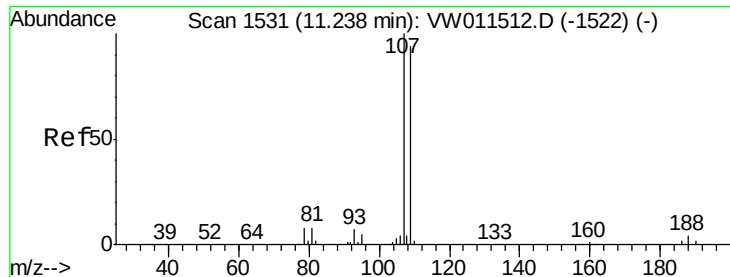
MMDadoda
8/13/2019 4:32:10 PM



#60
Dibromochloromethane
Concen: 49.156 ug/l
RT: 11.13 min Scan# 1513
Delta R.T. -0.00 min
Lab File: VW011839.D
Acq: 12 Aug 2019 09:19

Tgt Ion	129	Resp	101486
Ion Ratio	100	Lower	Upper
129	100		
127	78.3	38.9	116.7





#61

1,2-Dibromoethane

Concen: 47.033 ug/l

RT: 11.23 min Scan# 1530

Delta R.T. -0.01 min

Lab File: VW011839.D

Acq: 12 Aug 2019 09:19

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

Tot Ion:107 Resp: 82784

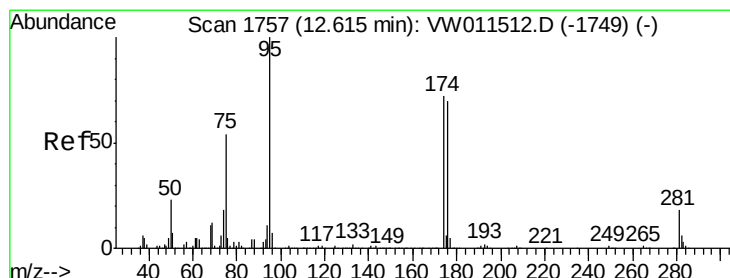
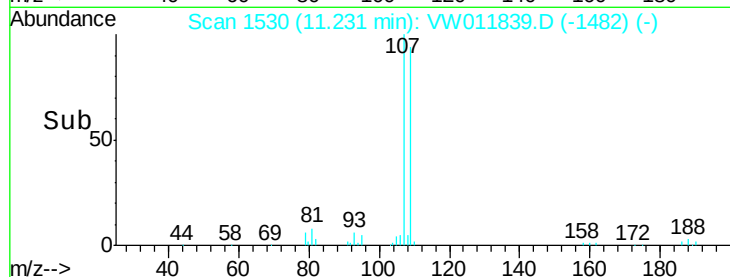
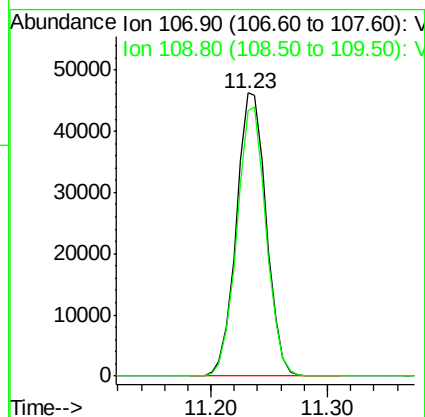
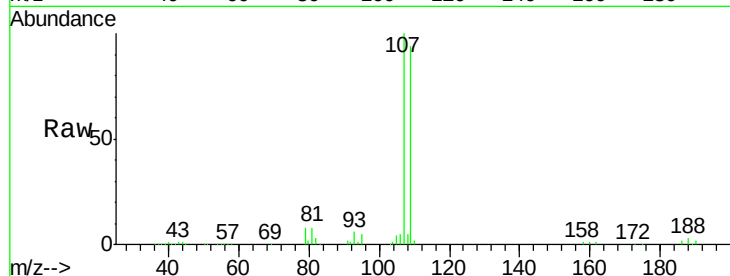
Ion Ratio Lower Upper

107 100

109 93.3 75.0 112.6

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#62

4-Bromofluorobenzene

Concen: 48.021 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. -0.00 min

Lab File: VW011839.D

Acq: 12 Aug 2019 09:19

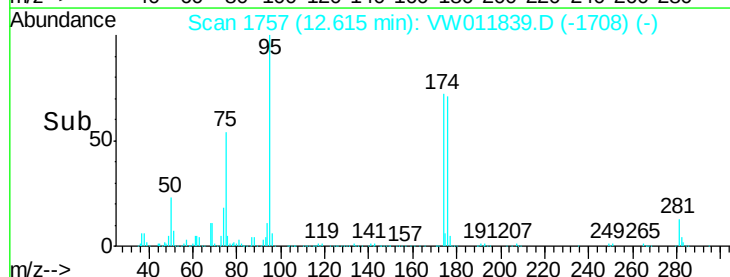
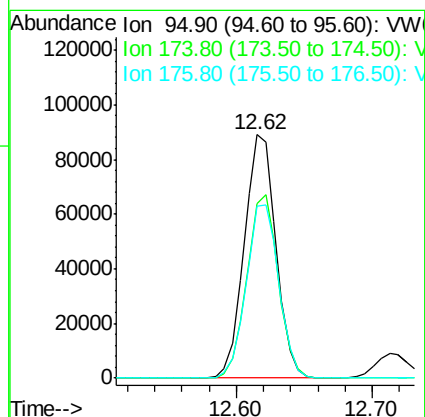
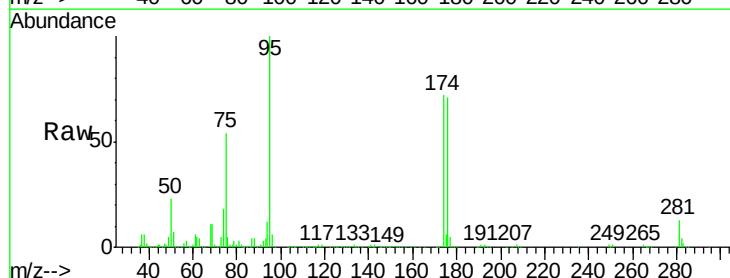
Tgt Ion: 95 Resp: 144930

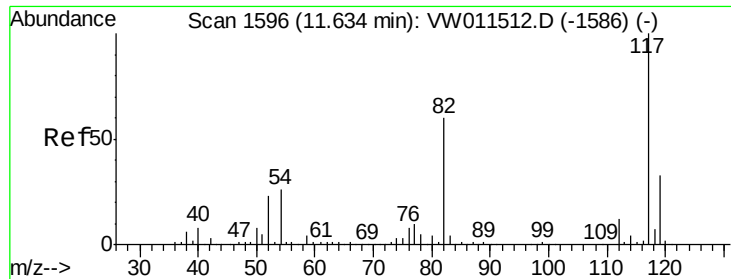
Ion Ratio Lower Upper

95 100

174 74.7 0.0 150.2

176 73.4 0.0 144.4





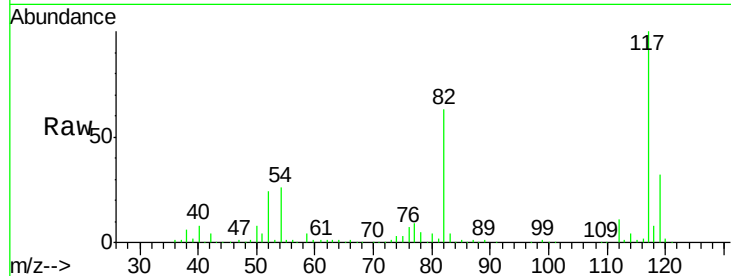
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1596
Delta R.T. -0.00 min
Lab File: VW011839.D
Acq: 12 Aug 2019 09:19

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
117	100	316699		
82	62.7	47.9	71.9	
119	32.2	26.2	39.2	

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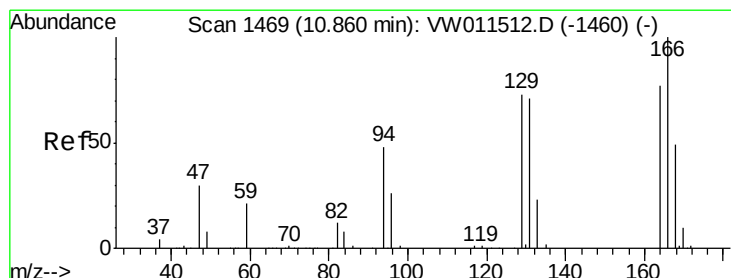
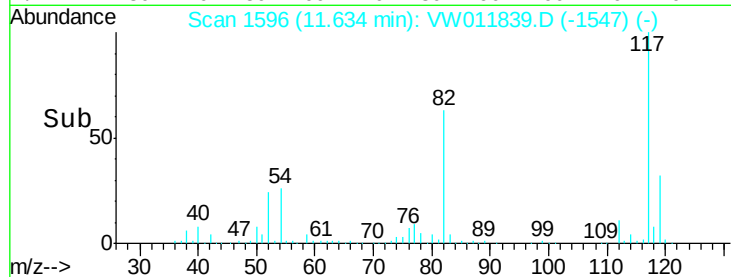
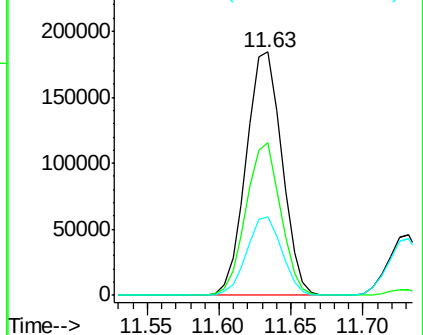


Abundance

Ion 116.90 (116.60 to 117.60): V

Ion 82.00 (81.70 to 82.70): V

Ion 118.90 (118.60 to 119.60): V



#64
Tetrachloroethene
Concen: 50.502 ug/l
RT: 10.86 min Scan# 1469
Delta R.T. -0.00 min
Lab File: VW011839.D
Acq: 12 Aug 2019 09:19

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	104138		
166	129.4	103.5	155.3	
129	94.0	75.2	112.8	
131	90.5	73.4	110.2	

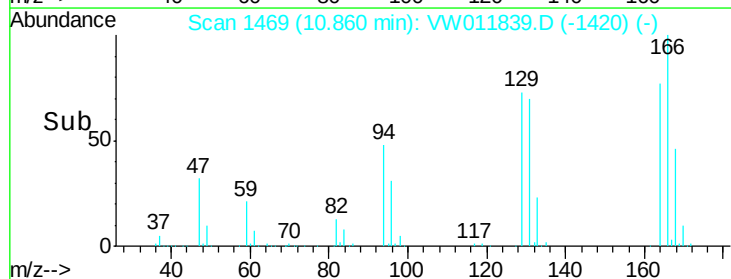
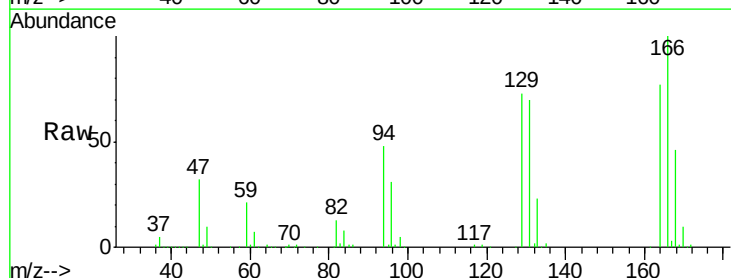
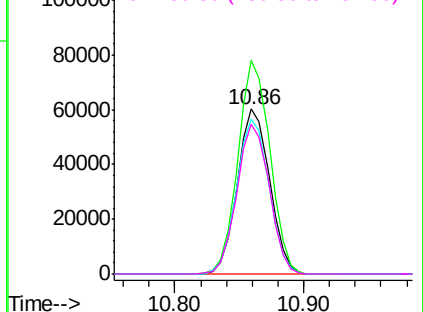
Abundance

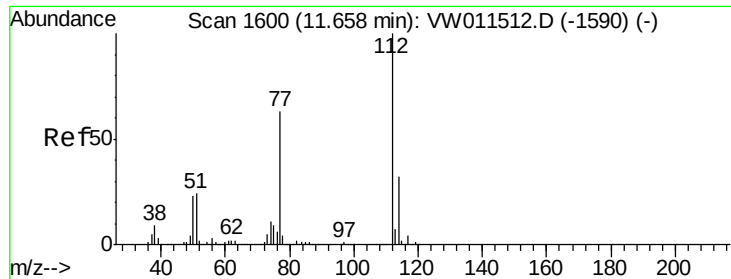
Ion 163.80 (163.50 to 164.50): V

Ion 165.80 (165.50 to 166.50): V

Ion 128.80 (128.50 to 129.50): V

Ion 130.80 (130.50 to 131.50): V





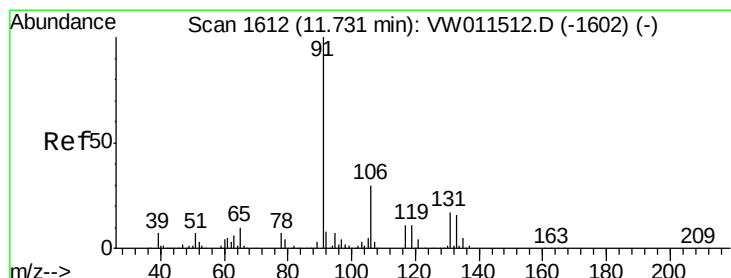
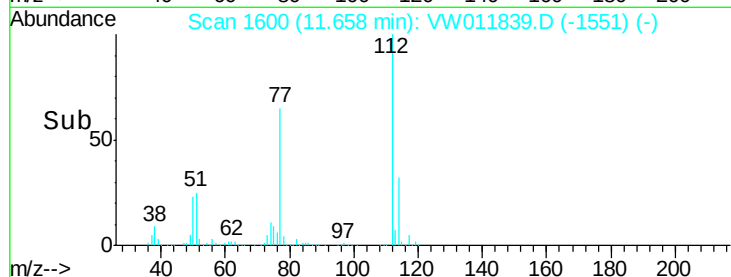
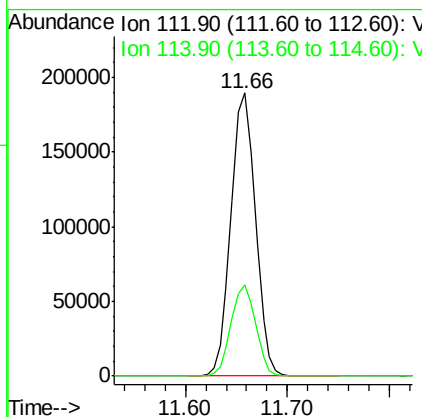
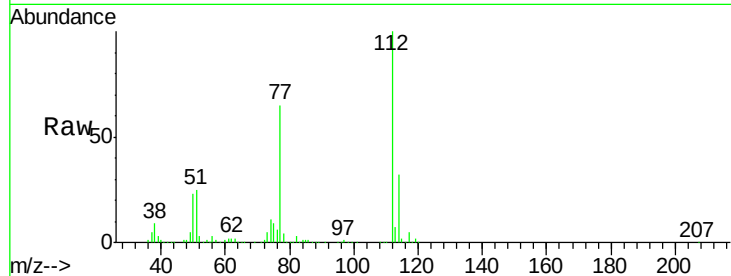
#65
Chlorobenzene
Concen: 49.636 ug/l
RT: 11.66 min Scan# 1600
Delta R.T. -0.00 min
Lab File: VW011839.D
Acq: 12 Aug 2019 09:19

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
112	100		
114	32.2	25.6	38.4

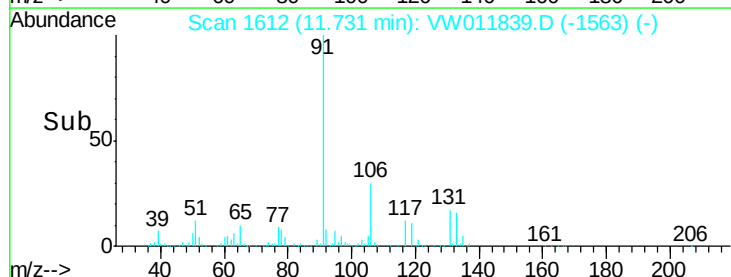
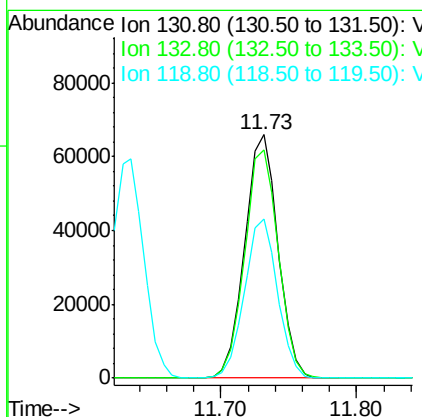
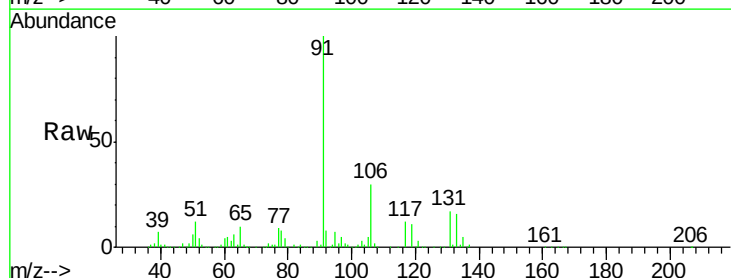
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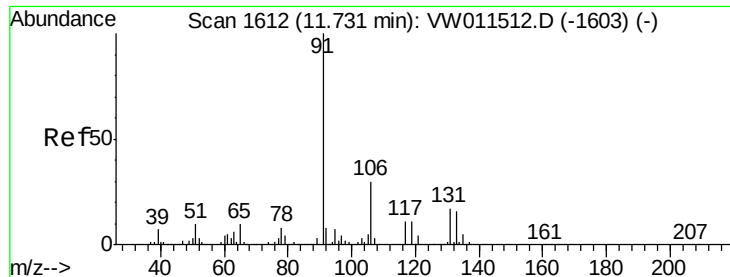
MMDadoda
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#66
1,1,1,2-Tetrachloroethane
Concen: 50.861 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. -0.00 min
Lab File: VW011839.D
Acq: 12 Aug 2019 09:19

Tgt Ion	Ratio	Lower	Upper
131	100		
133	95.0	47.4	142.2
119	65.0	32.3	96.9





#67

Ethyl Benzene

Concen: 51.364 ug/l

RT: 11.73 min Scan# 1612

Delta R.T. -0.00 min

Lab File: VW011839.D

Acq: 12 Aug 2019 09:19

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

Tot Ion: 91 Resp: 622869

Ion Ratio Lower Upper

91 100

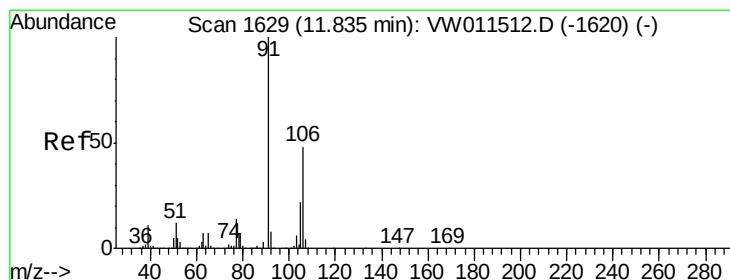
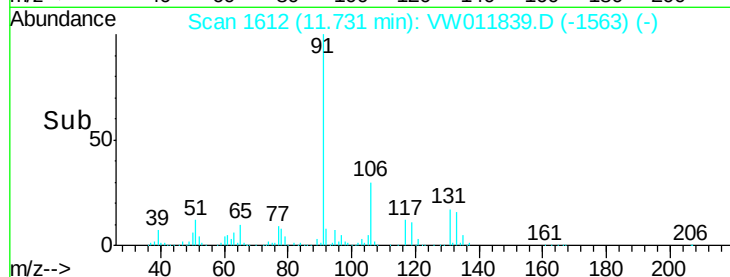
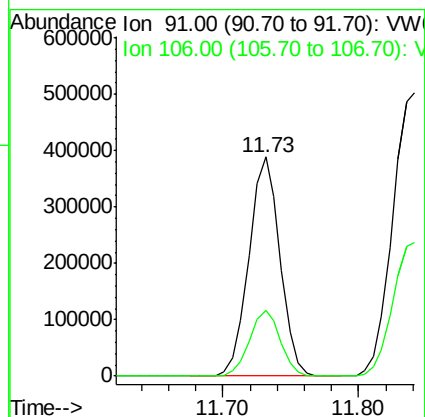
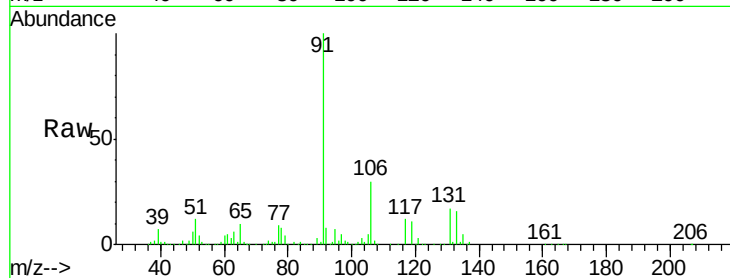
106 29.8 23.8 35.6

Manual Integrations

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#68

m/p-Xylenes

Concen: 102.220 ug/l

RT: 11.84 min Scan# 1630

Delta R.T. 0.01 min

Lab File: VW011839.D

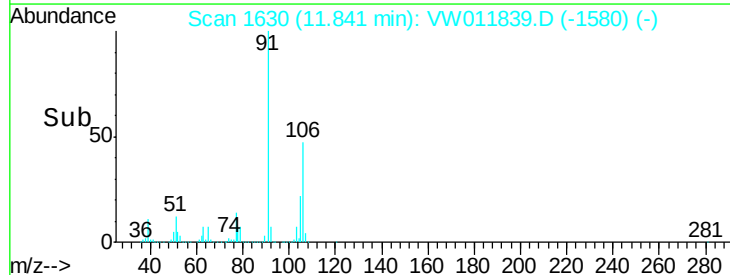
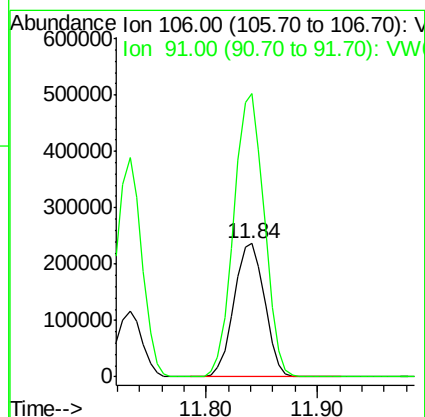
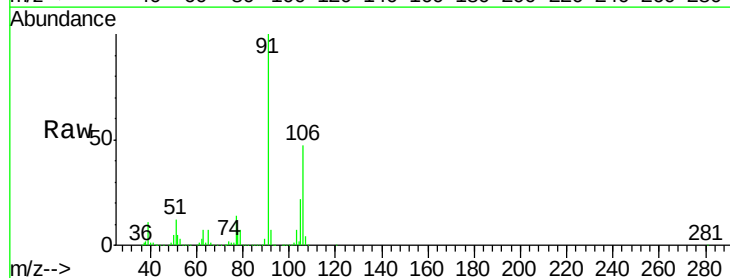
Acq: 12 Aug 2019 09:19

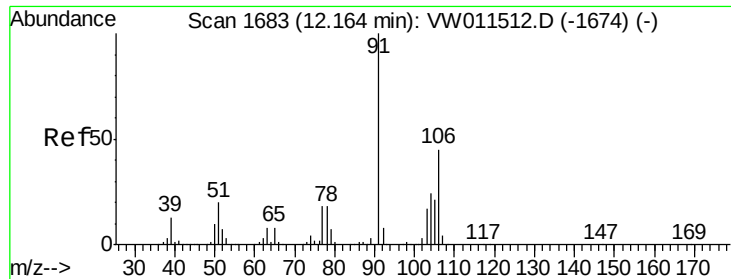
Tgt Ion: 106 Resp: 450796

Ion Ratio Lower Upper

106 100

91 210.5 168.2 252.2





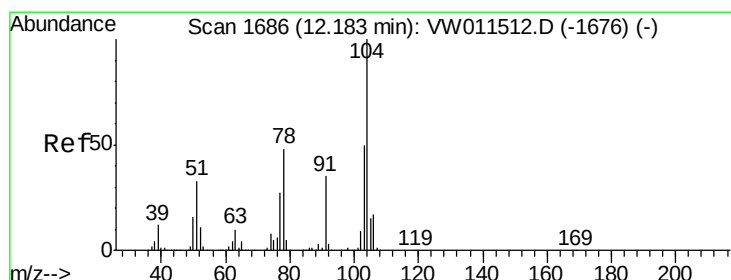
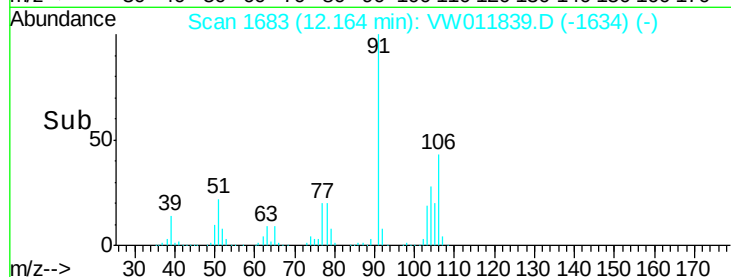
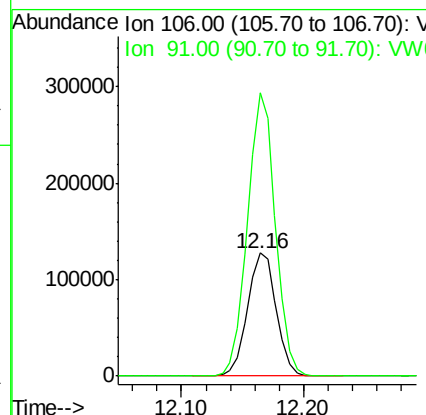
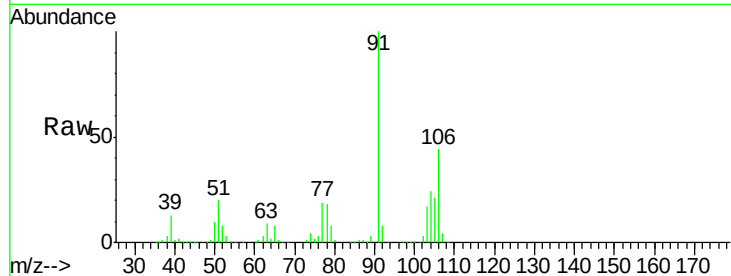
#69
o-Xylene
Concen: 50.515 ug/l
RT: 12.16 min Scan# 1683
Delta R.T. -0.00 min
Lab File: VW011839.D
Acq: 12 Aug 2019 09:19

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
106	100		
91	223.7	110.5	331.5

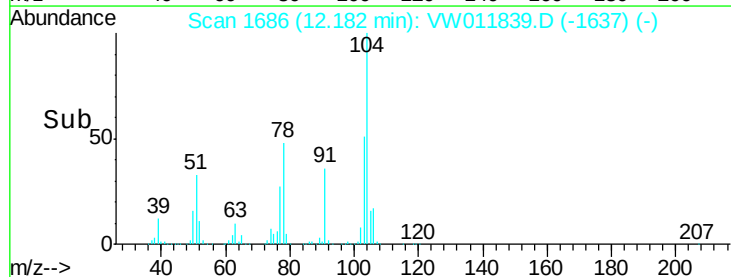
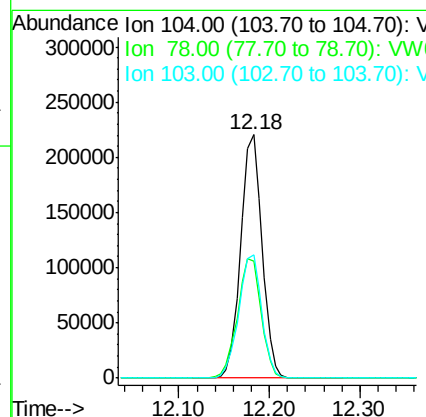
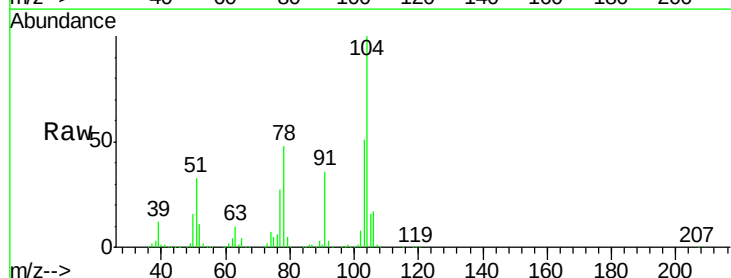
Manual Integrations
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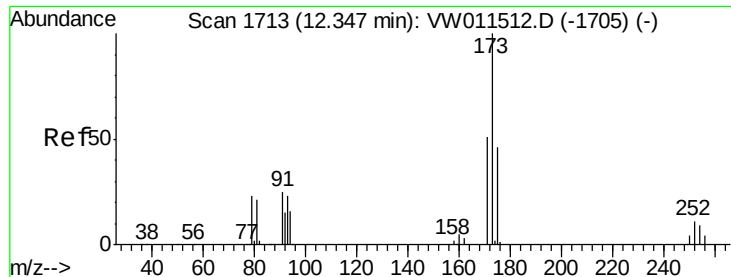
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#70
Styrene
Concen: 50.921 ug/l
RT: 12.18 min Scan# 1686
Delta R.T. -0.00 min
Lab File: VW011839.D
Acq: 12 Aug 2019 09:19

Tgt Ion	Ratio	Lower	Upper
104	100		
78	54.4	43.4	65.0
103	54.7	43.9	65.9





#71

Bromoform

Concen: 49.841 ug/l

RT: 12.35 min Scan# 1713

Delta R.T. -0.00 min

Lab File: VW011839.D

Acq: 12 Aug 2019 09:19

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

Tot Ion:173 Resp: 56359

Ion Ratio Lower Upper

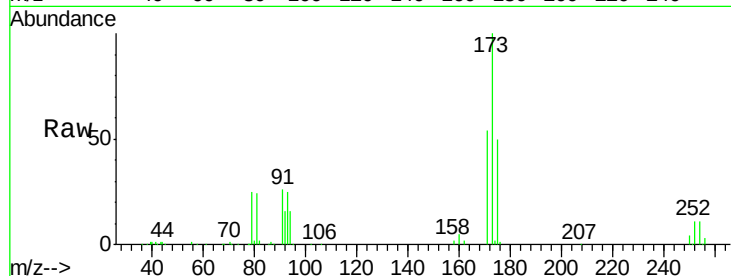
173 100

175 49.9 23.6 71.0

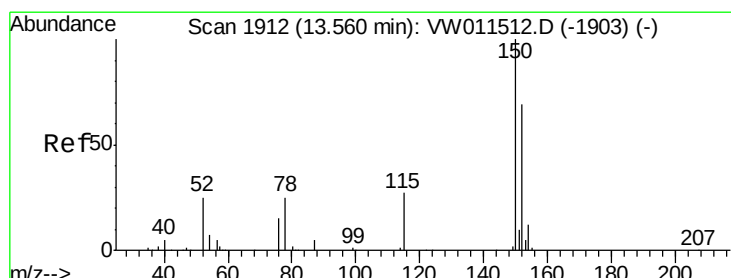
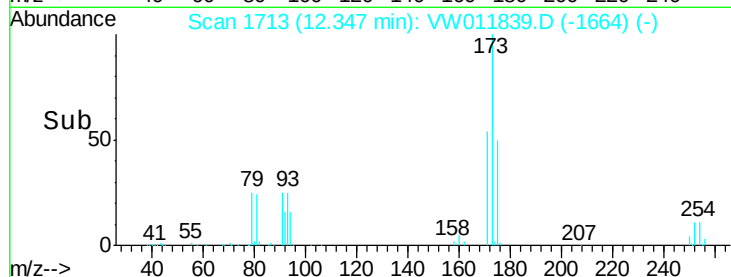
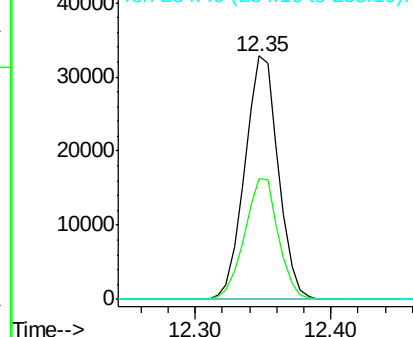
254 0.1 0.1 0.1#

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



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.56 min Scan# 1912

Delta R.T. -0.00 min

Lab File: VW011839.D

Acq: 12 Aug 2019 09:19

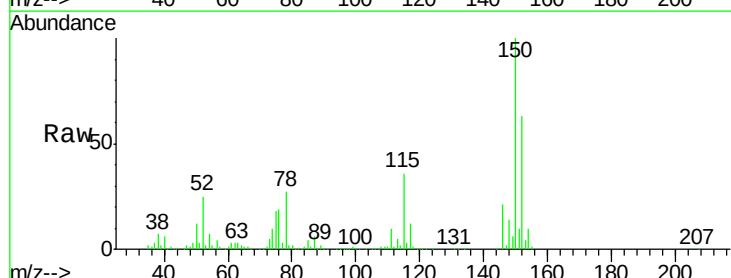
Tgt Ion:152 Resp: 153551

Ion Ratio Lower Upper

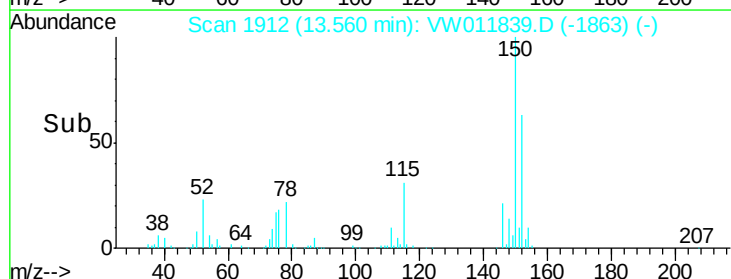
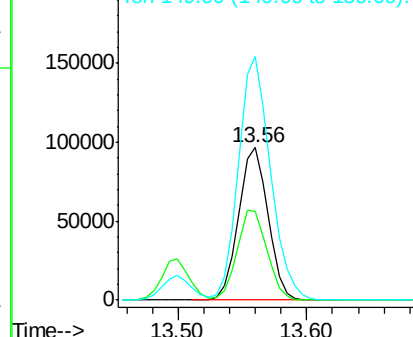
152 100

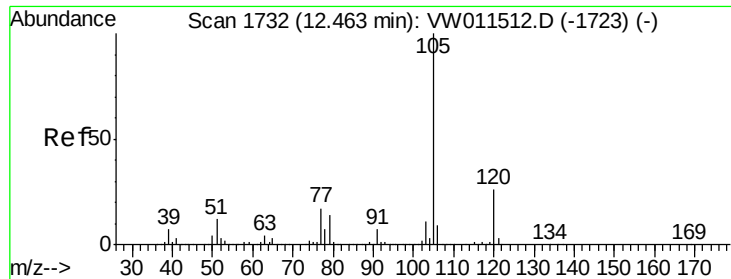
115 59.7 30.5 91.5

150 173.3 0.0 352.6



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





#73

Isopropylbenzene

Concen: 51.046 ug/l

RT: 12.46 min Scan# 1732

Delta R.T. -0.00 min

Lab File: VW011839.D

Acq: 12 Aug 2019 09:19

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

Tot Ion:105 Resp: 584746

Ion Ratio Lower Upper

105 100

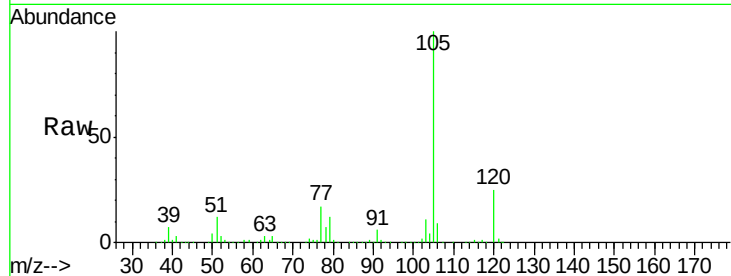
120 25.4 12.9 38.7

Manual Integrations

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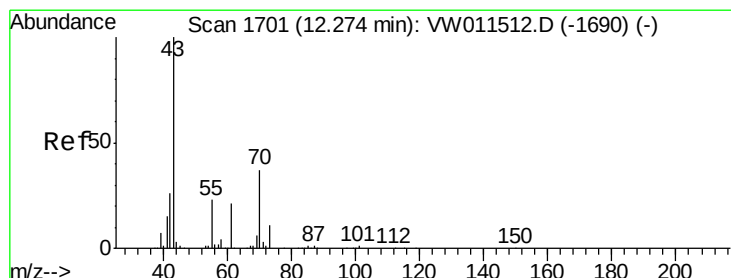
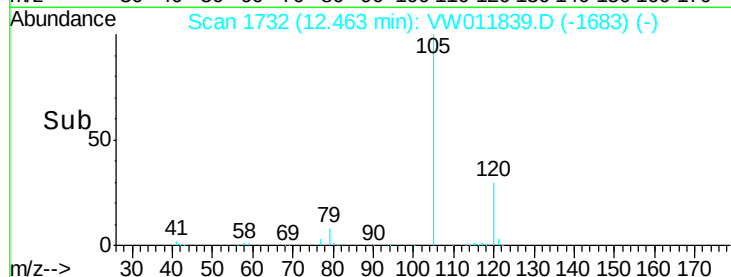
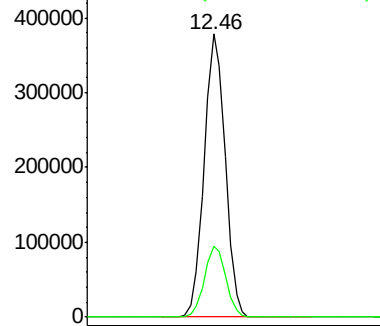
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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 47.202 ug/l

RT: 12.27 min Scan# 1701

Delta R.T. -0.00 min

Lab File: VW011839.D

Acq: 12 Aug 2019 09:19

Tgt Ion: 43 Resp: 169285

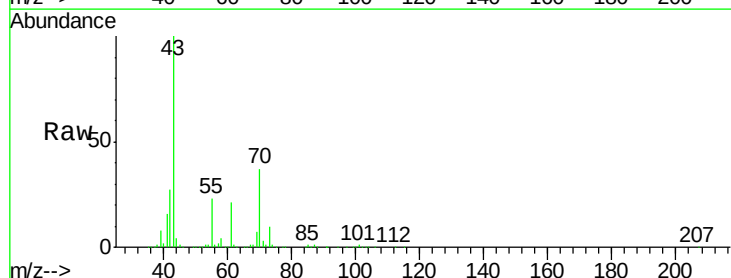
Ion Ratio Lower Upper

43 100

70 36.5 28.6 43.0

55 23.4 17.8 26.8

61 21.3 17.0 25.6

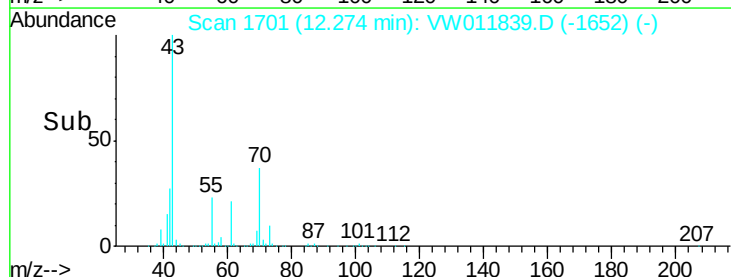
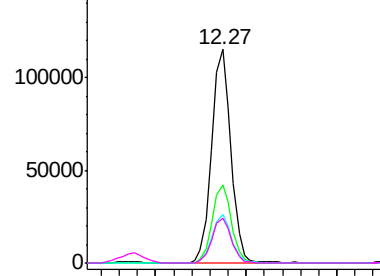


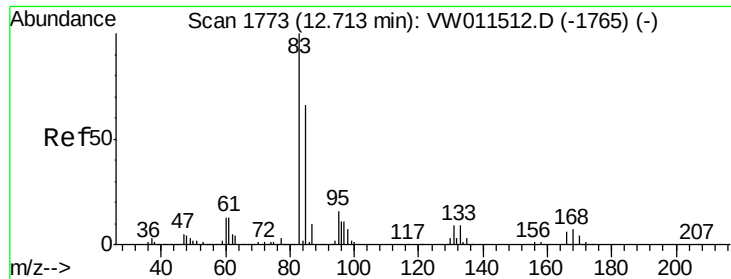
Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 70.00 (69.70 to 70.70): VW

Ion 55.00 (54.70 to 55.70): VW

Ion 61.00 (60.70 to 61.70): VW





#75

1,1,2,2-Tetrachloroethane

Concen: 47.539 ug/l

RT: 12.71 min Scan# 1773

Delta R.T. -0.00 min

Lab File: VW011839.D

Acq: 12 Aug 2019 09:19

Instrument :

MSVOA_W

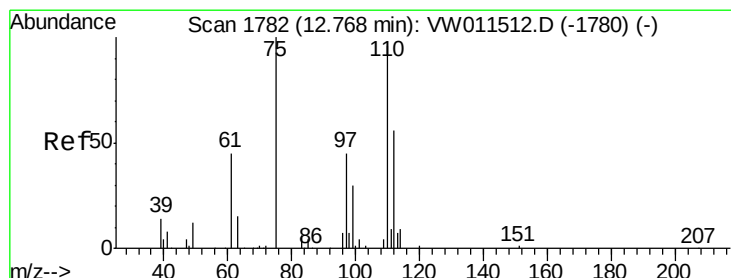
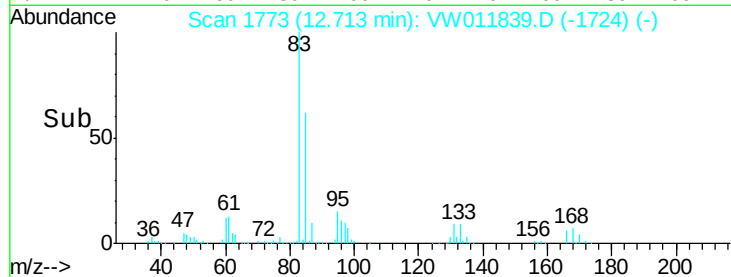
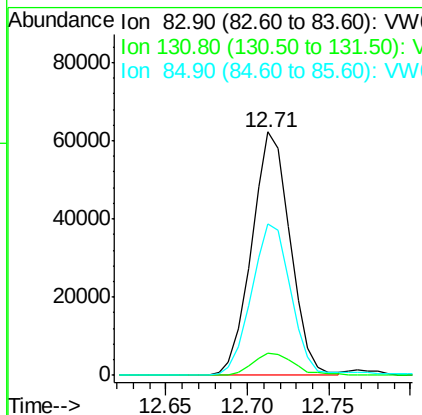
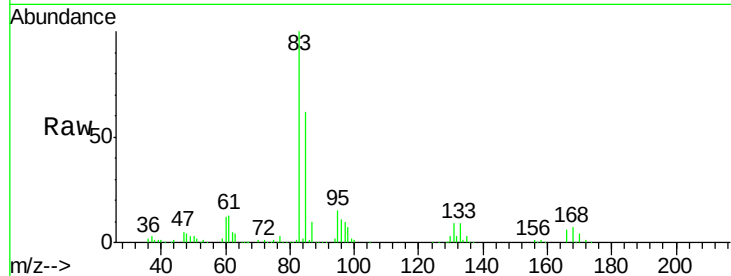
ClientSampleId :

VSTDCCC050

Tot Ion:	83	Resp:	102433
Ion Ratio	Lower	Upper	
83	100		
131	10.0	4.9	14.6
85	63.6	31.8	95.4

Manual Integrations
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#76

1,2,3-Trichloropropane

Concen: 44.659 ug/l m

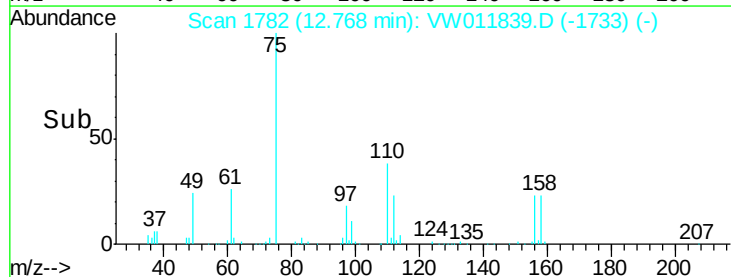
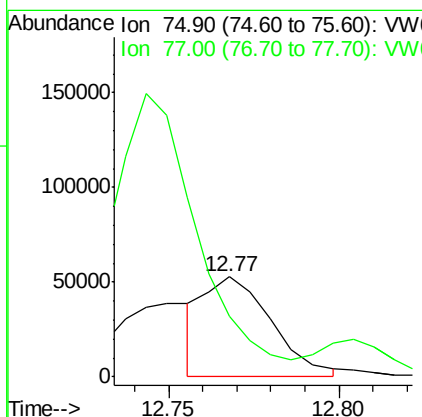
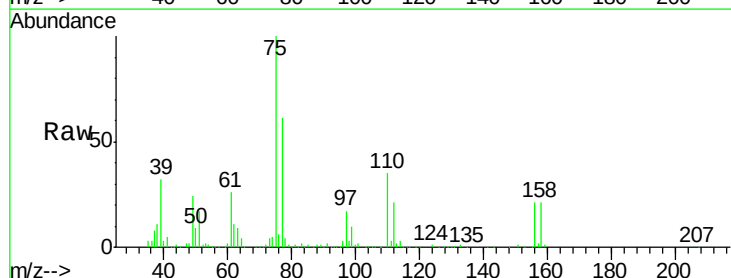
RT: 12.77 min Scan# 1782

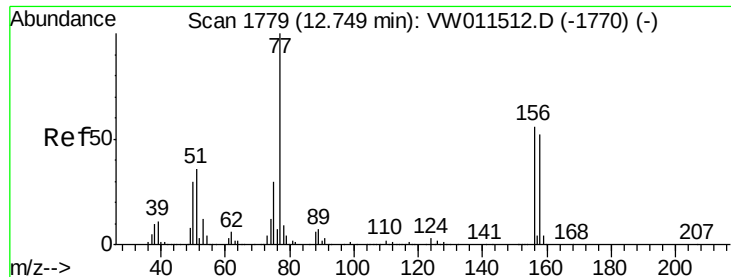
Delta R.T. -0.00 min

Lab File: VW011839.D

Acq: 12 Aug 2019 09:19

Tgt Ion:	75	Resp:	72559
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





#77

Bromobenzene

Concen: 49.732 ug/l

RT: 12.75 min Scan# 1779

Delta R.T. -0.00 min

Lab File: VW011839.D

Acq: 12 Aug 2019 09:19

Instrument :

MSVOA_W

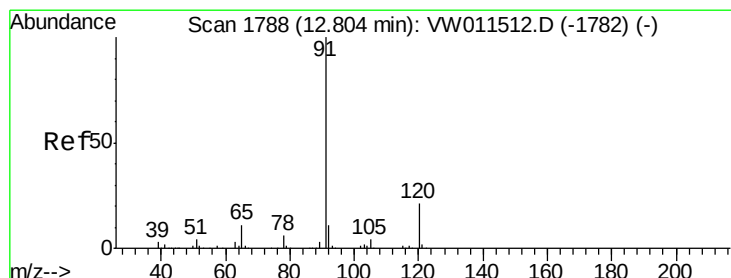
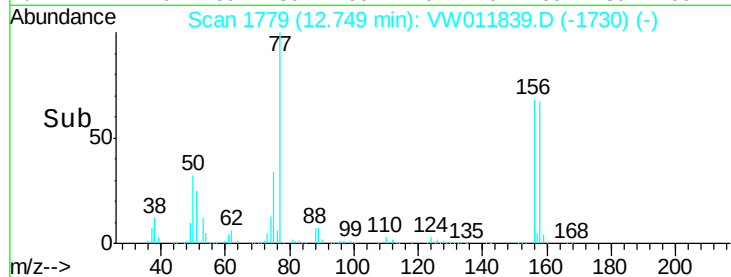
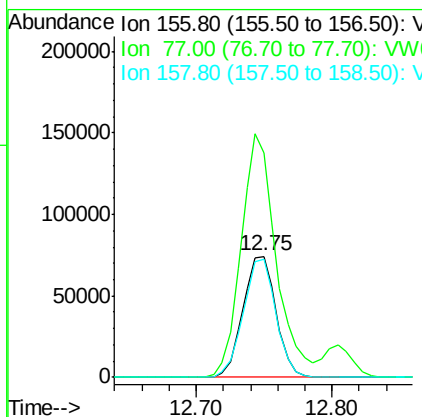
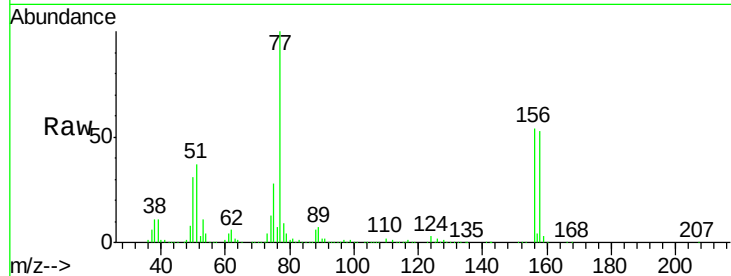
ClientSampleId :

VSTDCCC050

Tot Ion:	156	Resp:	125920
Ion Ratio	Lower	Upper	
156	100		
77	212.4	106.5	319.4
158	96.4	48.0	144.2

Manual Integrations
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#78

n-propylbenzene

Concen: 51.348 ug/l

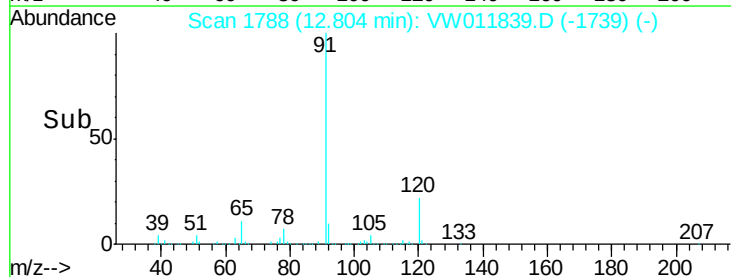
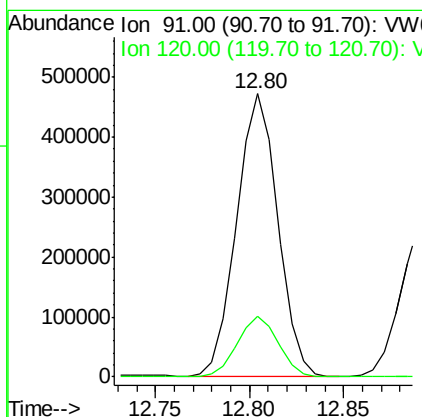
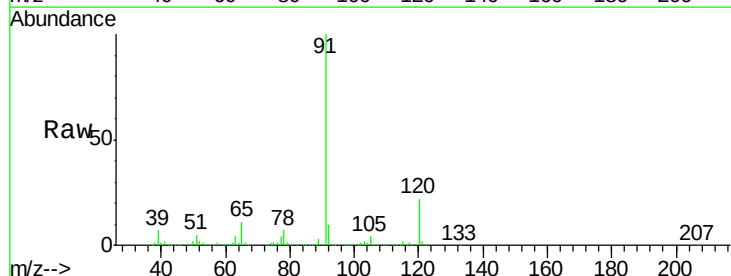
RT: 12.80 min Scan# 1788

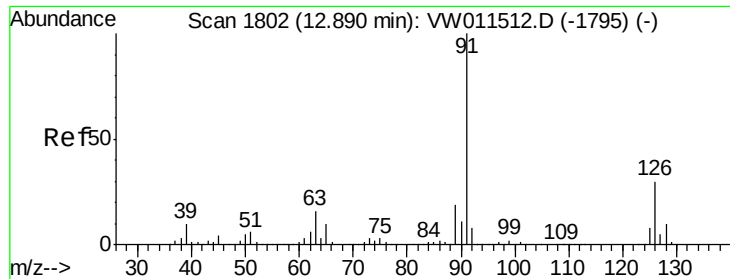
Delta R.T. -0.00 min

Lab File: VW011839.D

Acq: 12 Aug 2019 09:19

Tgt Ion:	91	Resp:	715848
Ion Ratio	Lower	Upper	
91	100		
120	21.4	10.9	32.7





#79

2-Chlorotoluene

Concen: 50.027 ug/l

RT: 12.89 min Scan# 1802

Delta R.T. -0.00 min

Lab File: VW011839.D

Acq: 12 Aug 2019 09:19

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

Tot Ion: 91 Resp: 401792

Ion Ratio Lower Upper

91 100

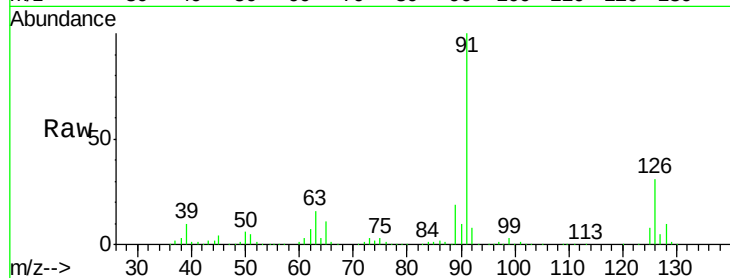
126 31.2 15.7 47.1

Manual Integrations

APPROVED

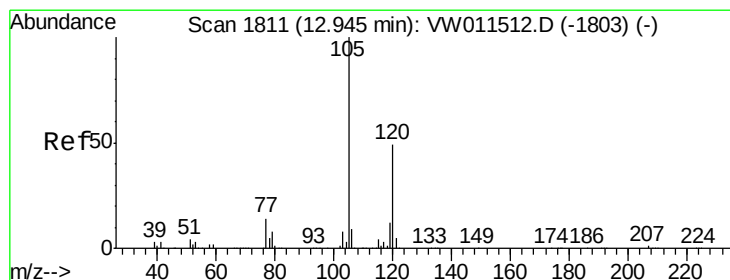
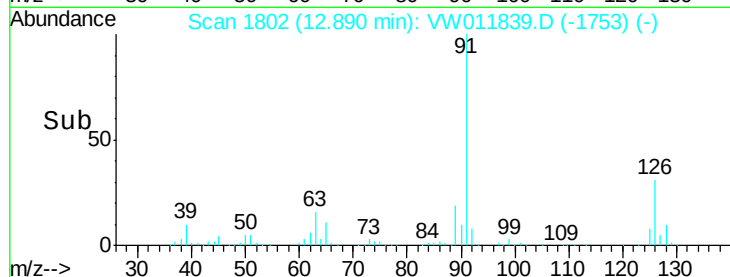
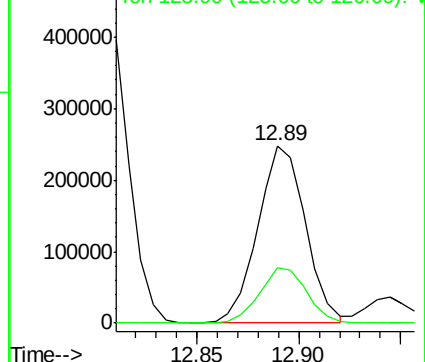
MMDadoda

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Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 125.90 (125.60 to 126.60): V



#80

1,3,5-Trimethylbenzene

Concen: 51.028 ug/l

RT: 12.94 min Scan# 1811

Delta R.T. -0.00 min

Lab File: VW011839.D

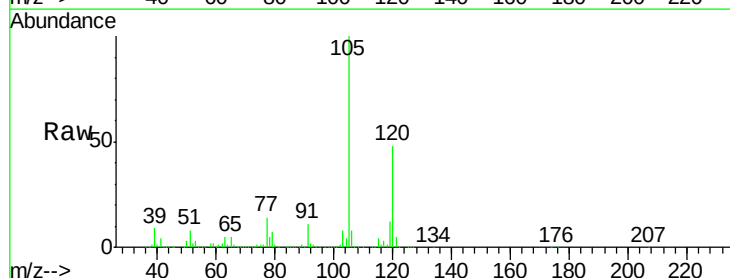
Acq: 12 Aug 2019 09:19

Tgt Ion: 105 Resp: 489995

Ion Ratio Lower Upper

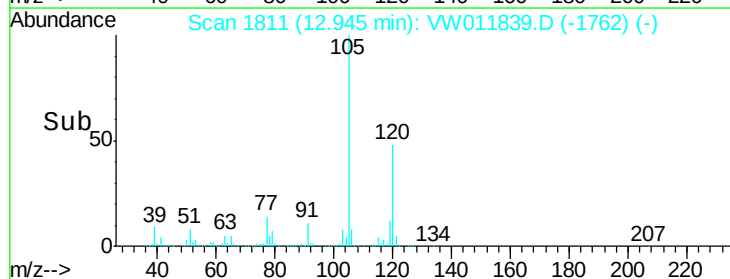
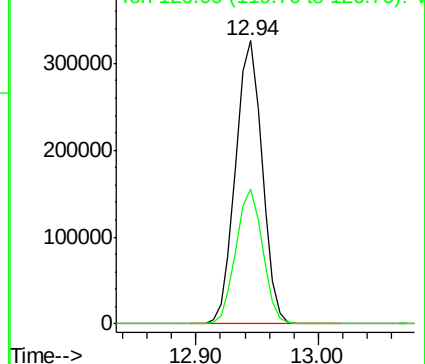
105 100

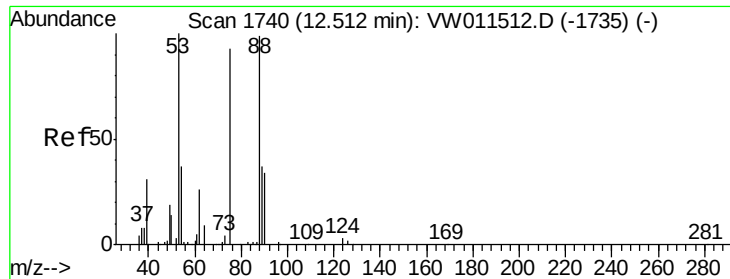
120 47.8 24.1 72.3



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





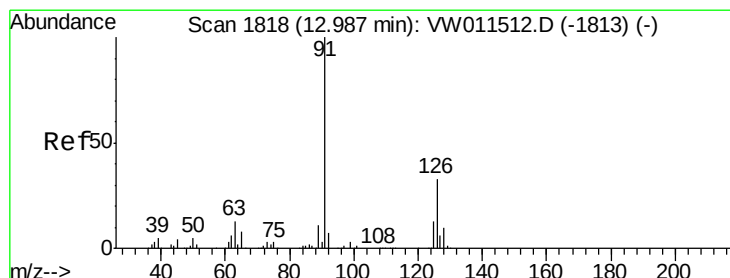
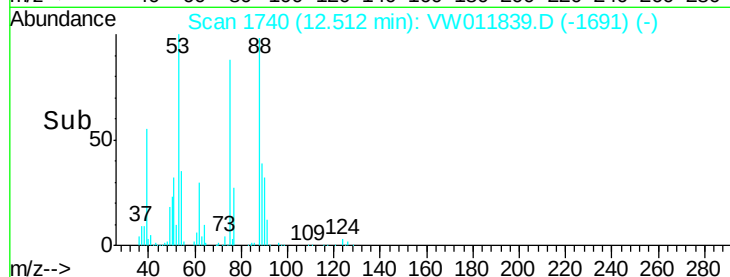
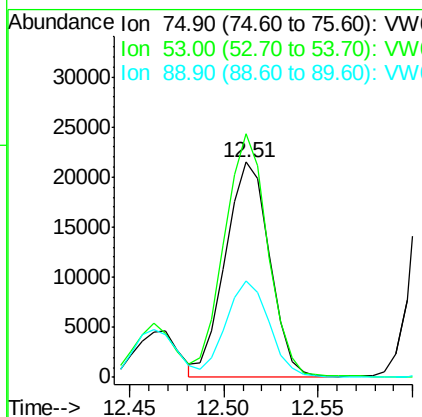
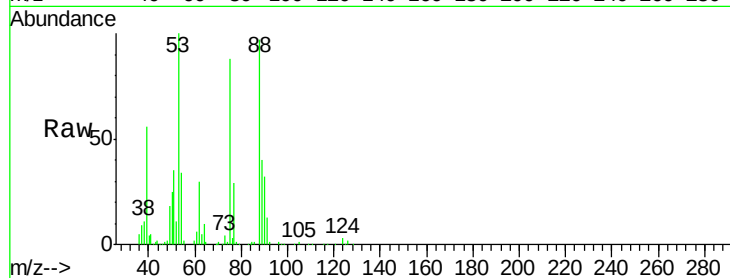
#81
trans-1,4-Dichloro-2-butene
Concen: 49.380 ug/l
RT: 12.51 min Scan# 1740
Delta R.T. -0.00 min
Lab File: VW011839.D
Acq: 12 Aug 2019 09:19

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
75	100		
53	112.2	88.0	132.0
89	44.0	35.3	52.9

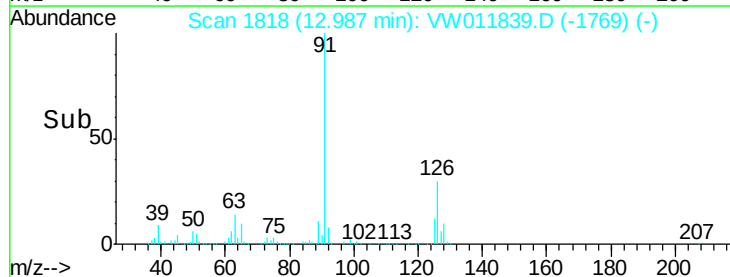
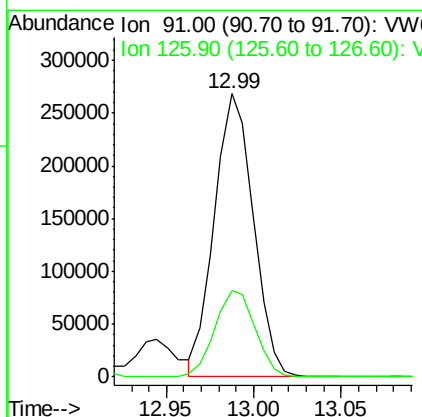
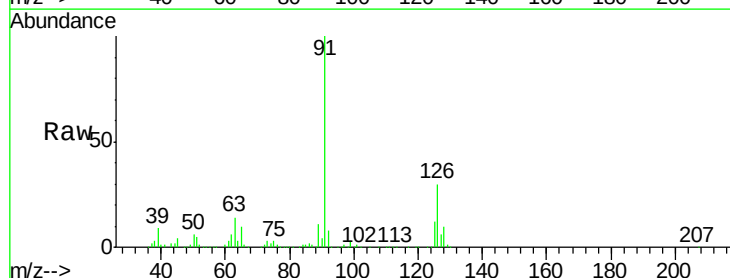
Manual Integrations
APPROVED

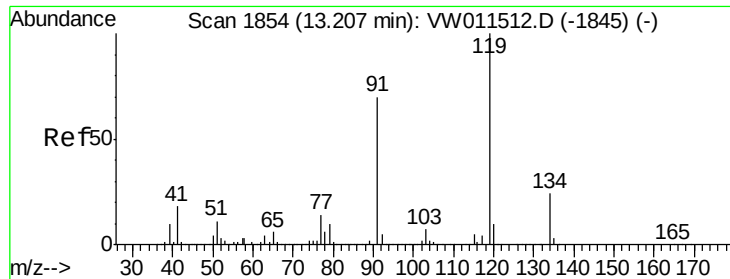
MMDadoda
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#82
4-Chlorotoluene
Concen: 49.338 ug/l
RT: 12.99 min Scan# 1818
Delta R.T. -0.00 min
Lab File: VW011839.D
Acq: 12 Aug 2019 09:19

Tgt Ion	Ratio	Lower	Upper
91	100		
126	31.8	15.6	46.8





#83

tert-Butylbenzene

Concen: 51.019 ug/l

RT: 13.21 min Scan# 1854

Delta R.T. -0.00 min

Lab File: VW011839.D

Acq: 12 Aug 2019 09:19

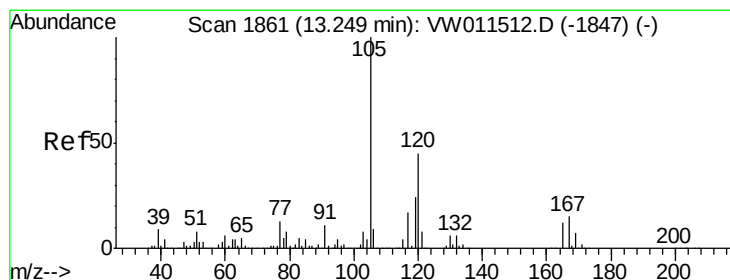
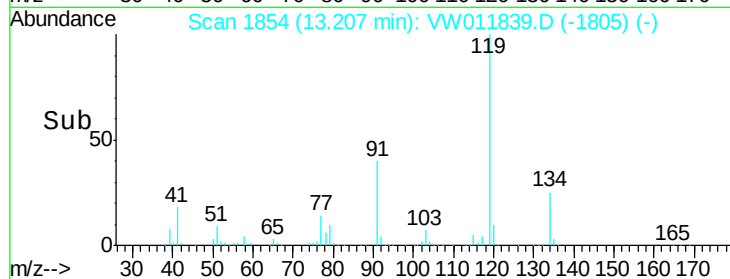
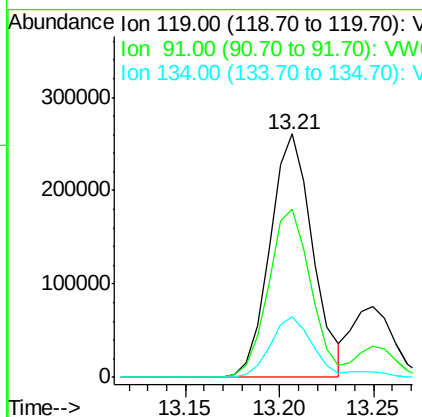
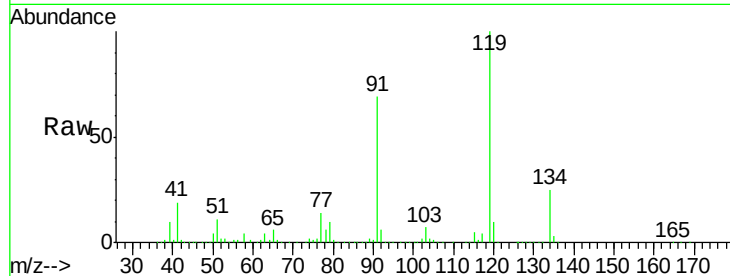
Instrument :
MSVOA_W

ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
119	100	409677		
91	68.5	34.5	103.6	
134	24.7	12.4	37.4	

Manual Integrations
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#84

1,2,4-Trimethylbenzene

Concen: 50.148 ug/l

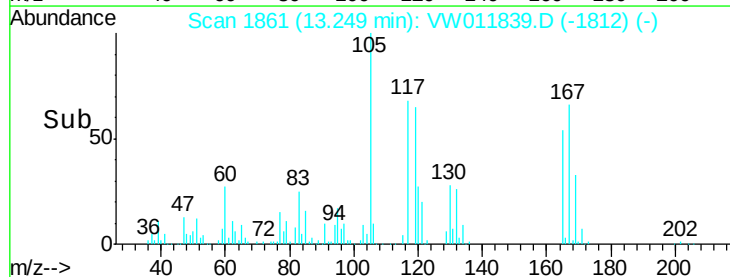
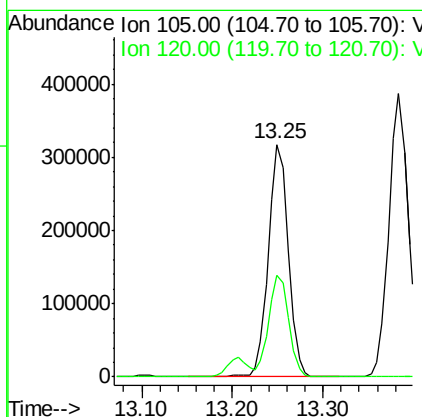
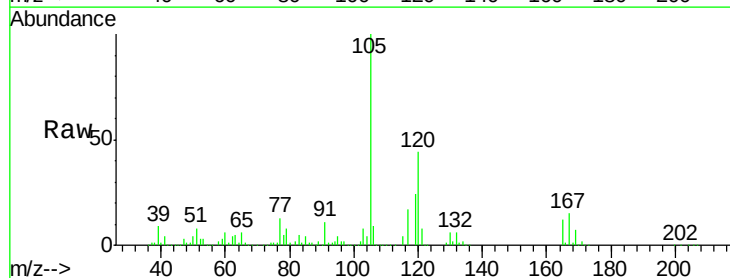
RT: 13.25 min Scan# 1861

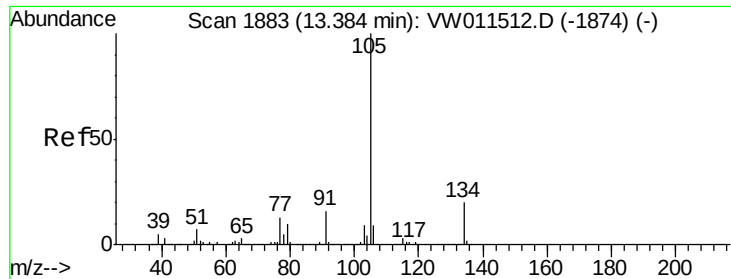
Delta R.T. -0.00 min

Lab File: VW011839.D

Acq: 12 Aug 2019 09:19

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	485085		
120	44.0	22.1	66.5	





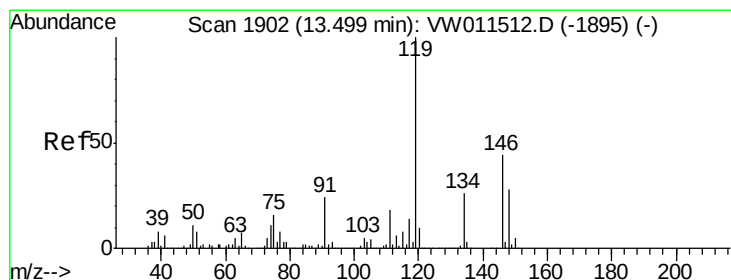
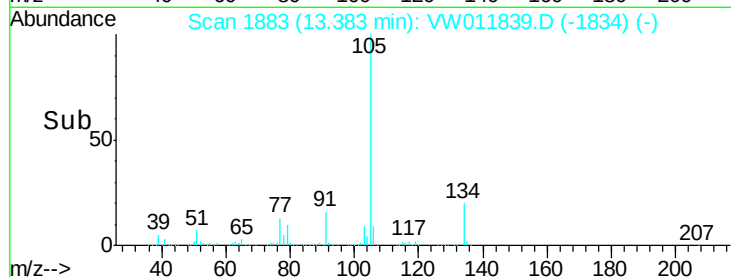
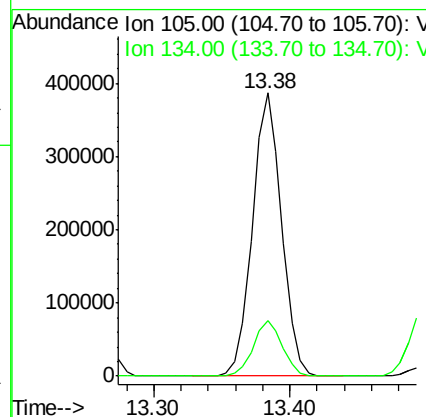
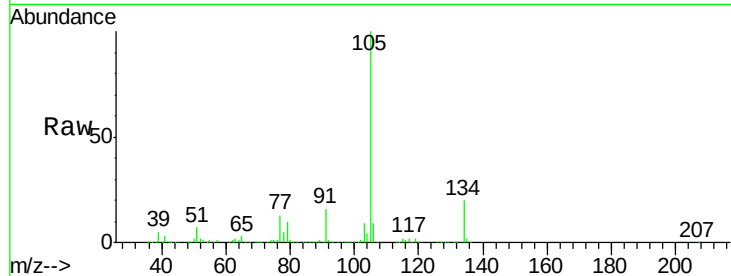
#85
 sec-Butylbenzene
 Concen: 50.529 ug/l
 RT: 13.38 min Scan# 1883
 Delta R.T. -0.00 min
 Lab File: VW011839.D
 Acq: 12 Aug 2019 09:19

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
105	100		
134	19.5	9.7	29.1

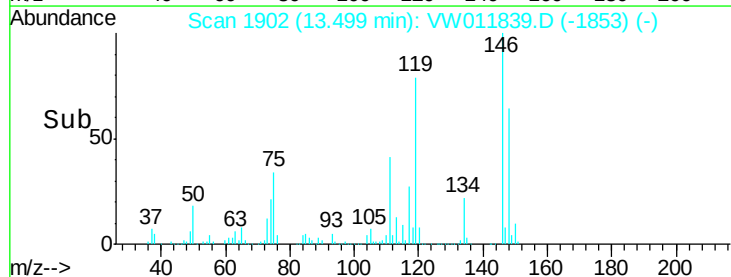
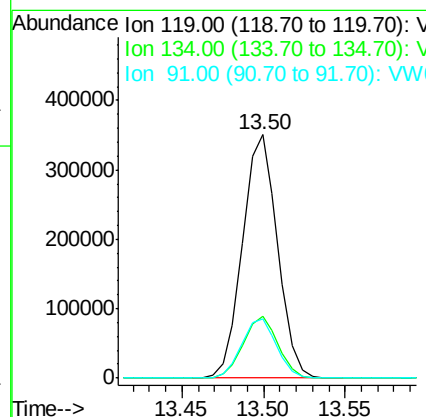
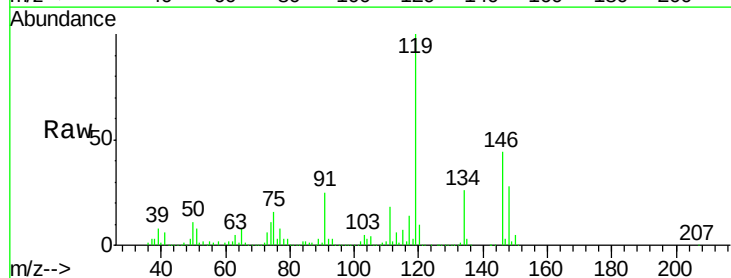
Manual Integrations
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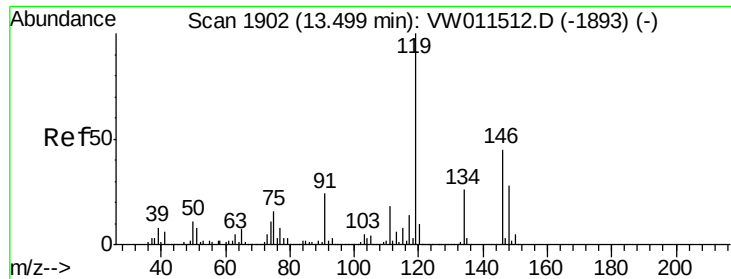
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#86
 p-Isopropyltoluene
 Concen: 50.155 ug/l
 RT: 13.50 min Scan# 1902
 Delta R.T. -0.00 min
 Lab File: VW011839.D
 Acq: 12 Aug 2019 09:19

Tgt Ion	Ratio	Lower	Upper
119	100		
134	25.4	12.8	38.4
91	24.5	12.1	36.3





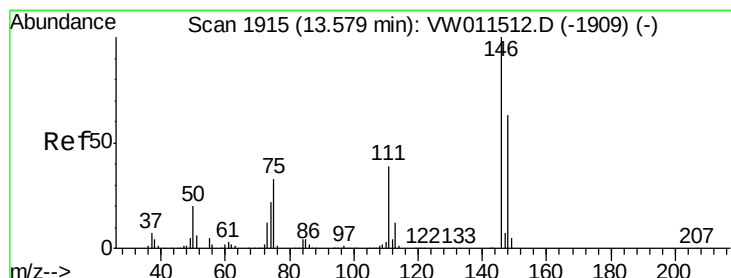
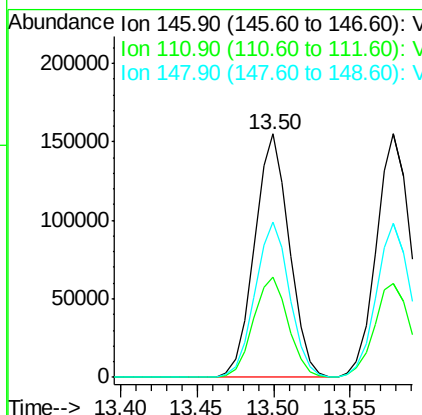
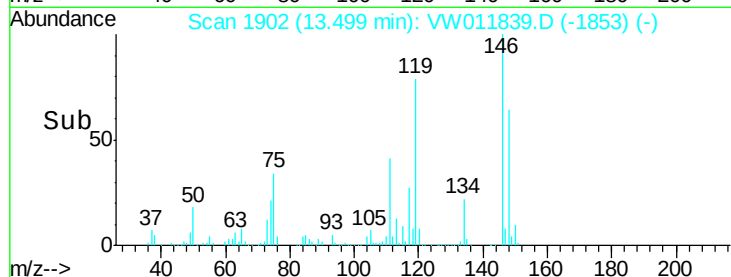
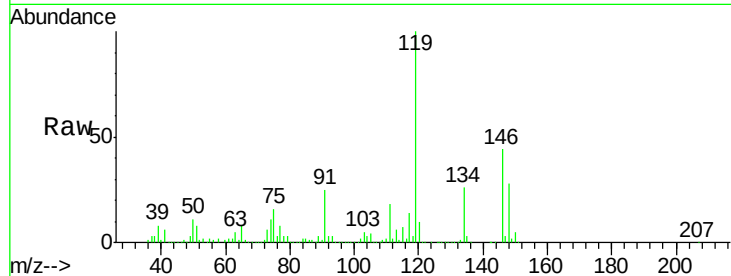
#87
 1,3-Dichlorobenzene
 Concen: 49.366 ug/l
 RT: 13.50 min Scan# 1902
 Delta R.T. -0.00 min
 Lab File: VW011839.D
 Acq: 12 Aug 2019 09:19

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
146	100	245085		
111	41.4	20.5	61.6	
148	63.5	31.8	95.3	

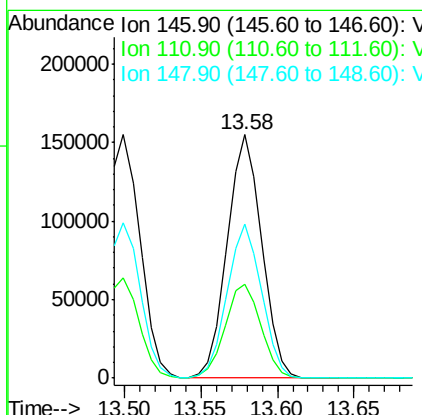
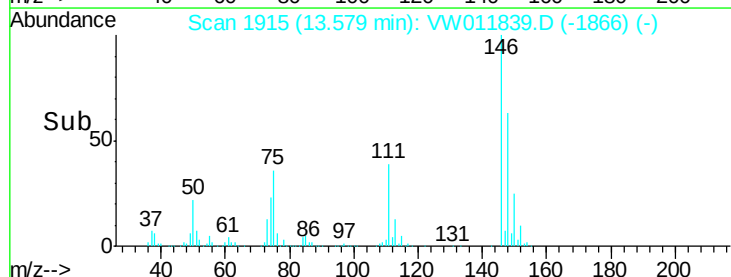
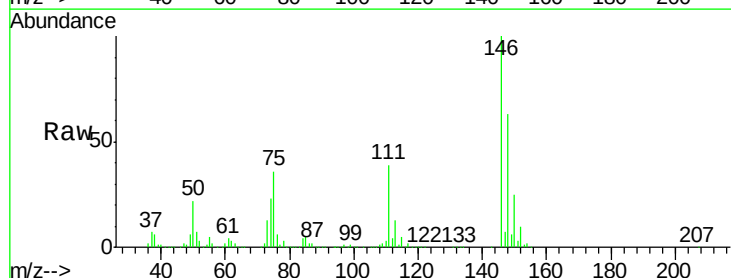
Manual Integrations
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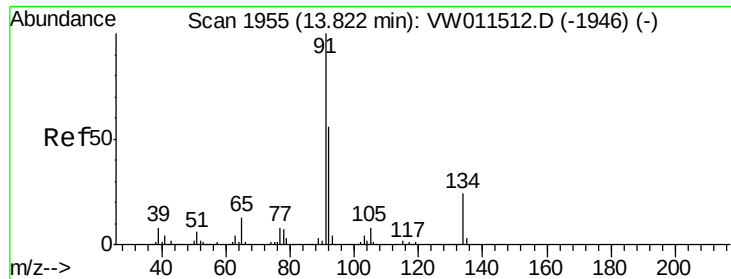
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#88
 1,4-Dichlorobenzene
 Concen: 49.091 ug/l
 RT: 13.58 min Scan# 1915
 Delta R.T. -0.00 min
 Lab File: VW011839.D
 Acq: 12 Aug 2019 09:19

Tgt Ion	Ratio	Resp	Lower	Upper
146	100	242442		
111	40.0	20.1	60.2	
148	63.1	31.9	95.9	





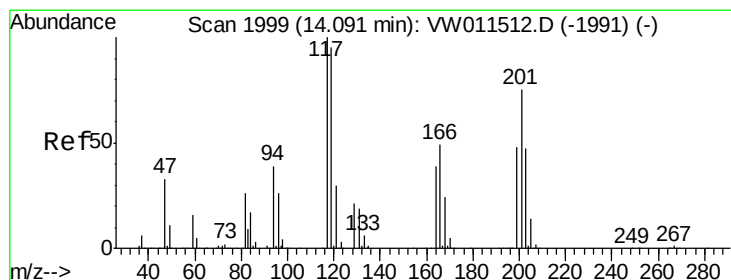
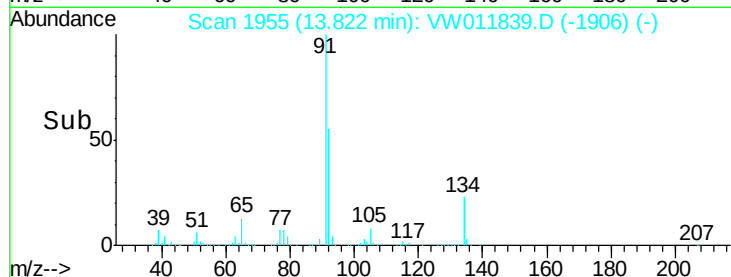
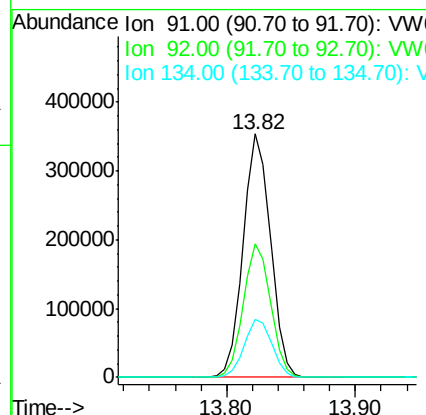
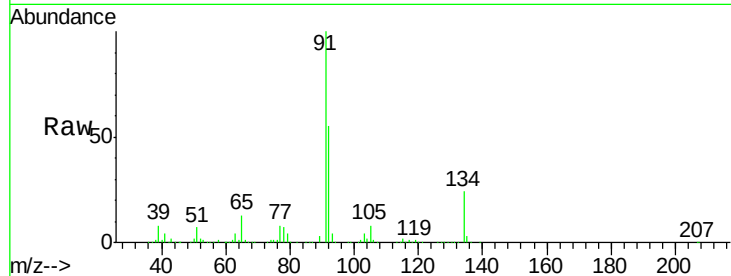
#89
n-Butylbenzene
Concen: 50.004 ug/l
RT: 13.82 min Scan# 1955
Delta R.T. -0.00 min
Lab File: VW011839.D
Acq: 12 Aug 2019 09:19

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
91	100	518762		
92	54.5		27.5	82.4
134	24.2		12.2	36.6

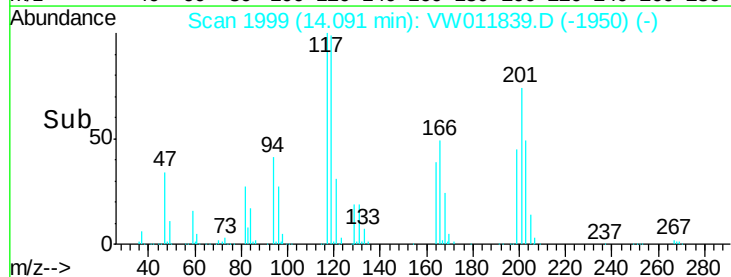
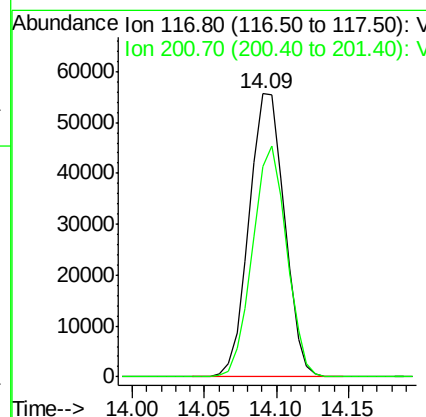
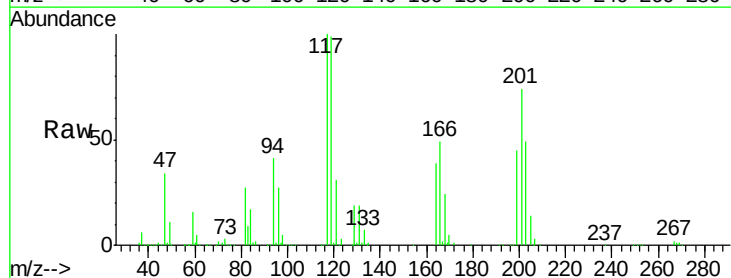
Manual Integrations
APPROVED

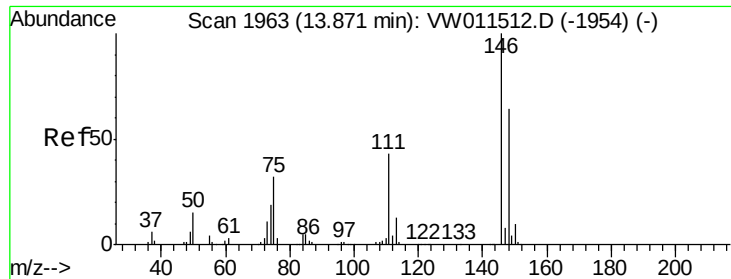
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#90
Hexachloroethane
Concen: 51.508 ug/l
RT: 14.09 min Scan# 1999
Delta R.T. -0.00 min
Lab File: VW011839.D
Acq: 12 Aug 2019 09:19

Tgt Ion	Ratio	Resp	Lower	Upper
117	100	94685		
201	78.4		39.4	118.2





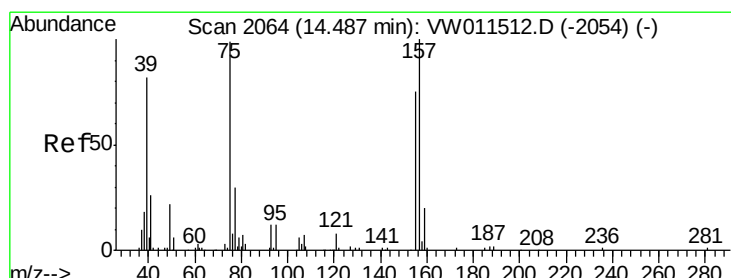
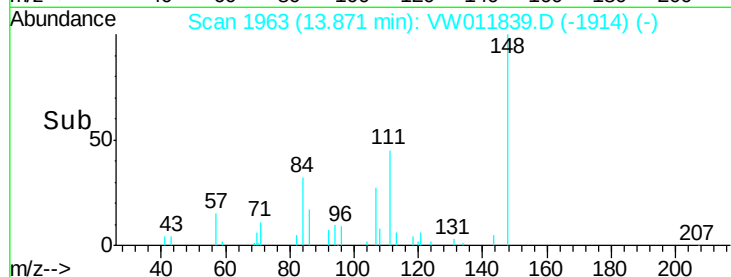
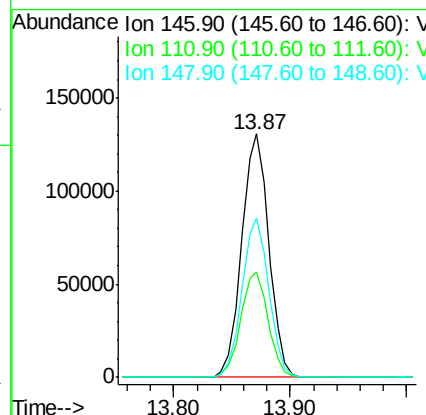
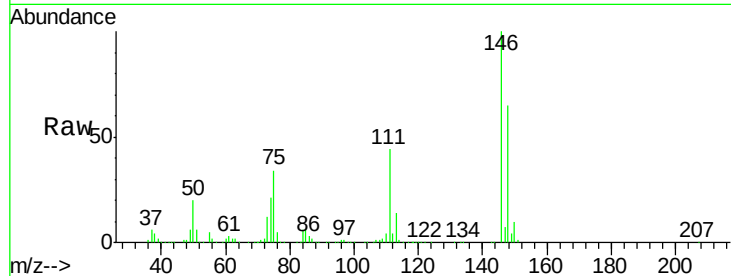
#91
 1,2-Dichlorobenzene
 Concen: 48.320 ug/l
 RT: 13.87 min Scan# 1963
 Delta R.T. -0.00 min
 Lab File: VW011839.D
 Acq: 12 Aug 2019 09:19

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
146	100	212170		
111	43.6		21.6	65.0
148	65.0		32.0	96.2

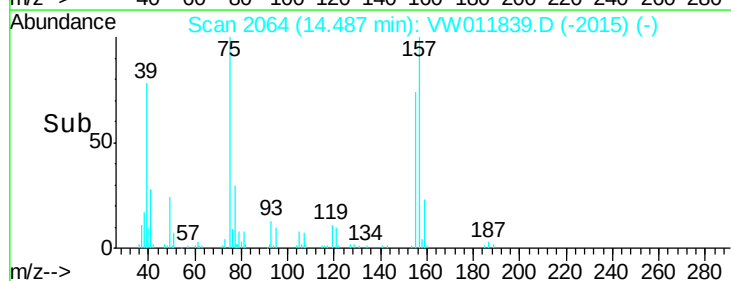
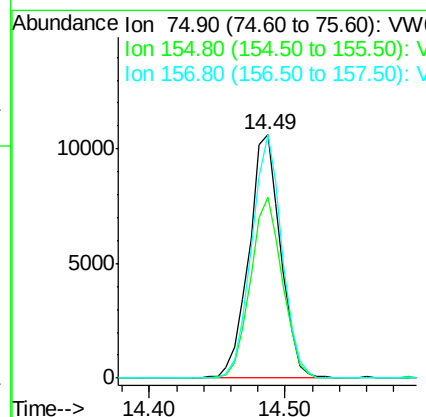
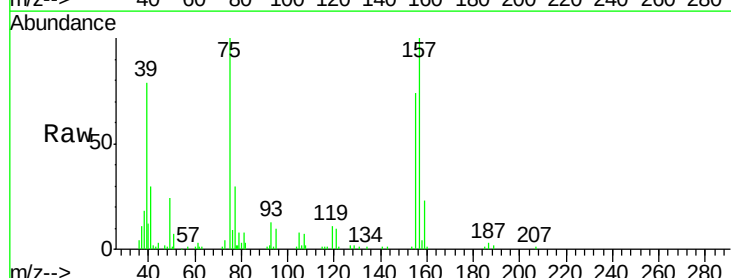
Manual Integrations
 APPROVED

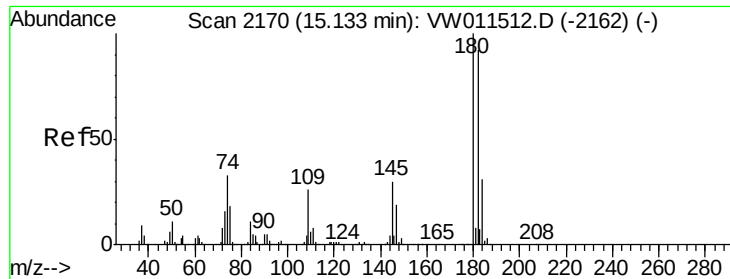
MMDadoda
 8/13/2019 4:32:10 PM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 47.178 ug/l
 RT: 14.49 min Scan# 2064
 Delta R.T. -0.00 min
 Lab File: VW011839.D
 Acq: 12 Aug 2019 09:19

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	17335		
155	74.4		38.2	114.6
157	95.8		48.9	146.7





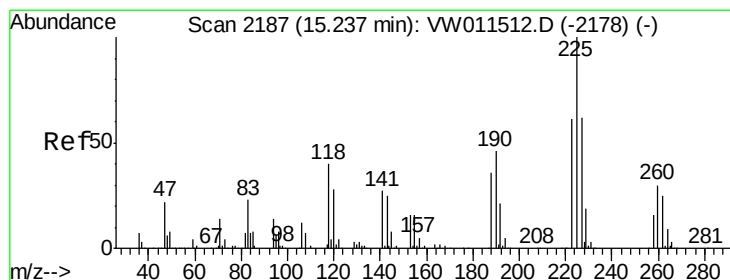
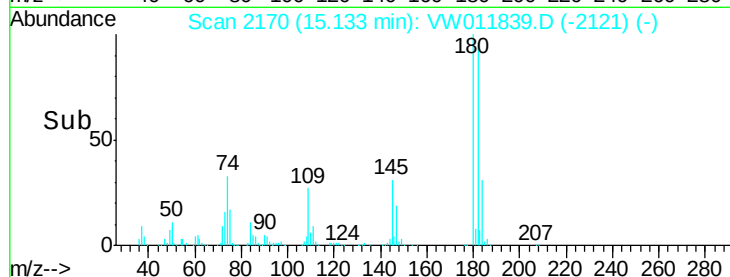
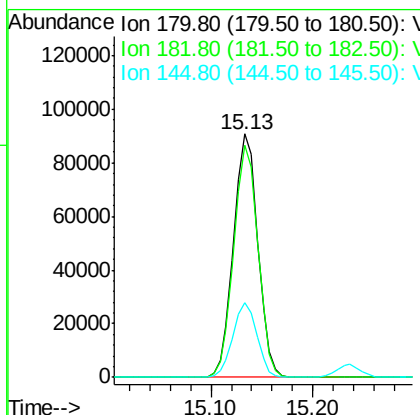
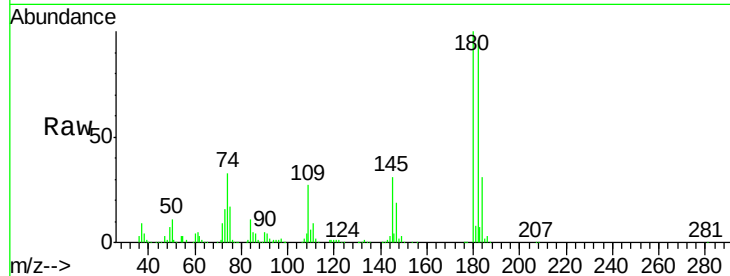
#93
 1,2,4-Trichlorobenzene
 Concen: 48.093 ug/l
 RT: 15.13 min Scan# 2170
 Delta R.T. -0.00 min
 Lab File: VW011839.D
 Acq: 12 Aug 2019 09:19

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
180	100	148830		
182	95.1	47.4	142.2	
145	30.3	15.4	46.1	

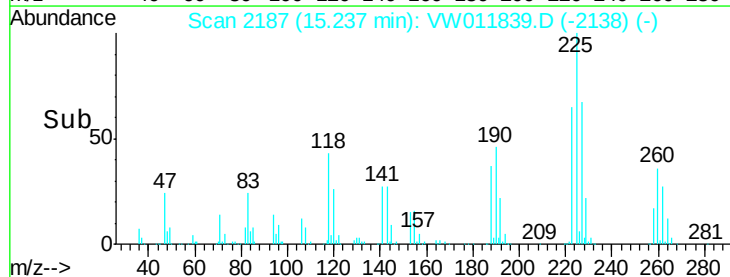
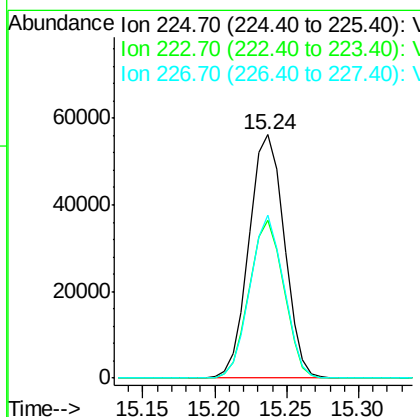
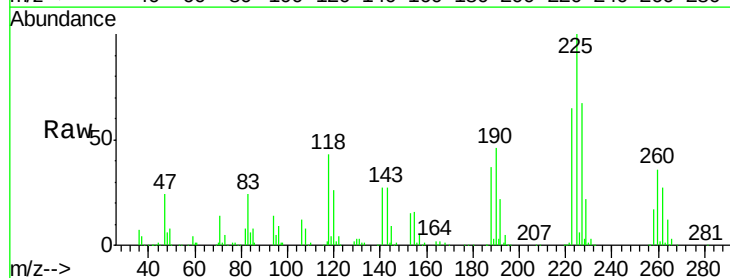
Manual Integrations
 APPROVED

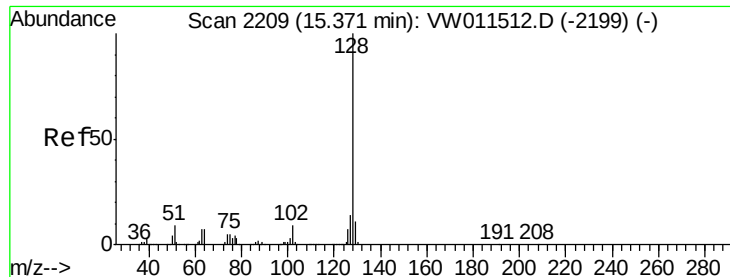
MMDadoda
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#94
 Hexachlorobutadiene
 Concen: 49.360 ug/l
 RT: 15.24 min Scan# 2187
 Delta R.T. -0.00 min
 Lab File: VW011839.D
 Acq: 12 Aug 2019 09:19

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	95258		
223	63.7	30.8	92.3	
227	64.4	31.6	94.7	





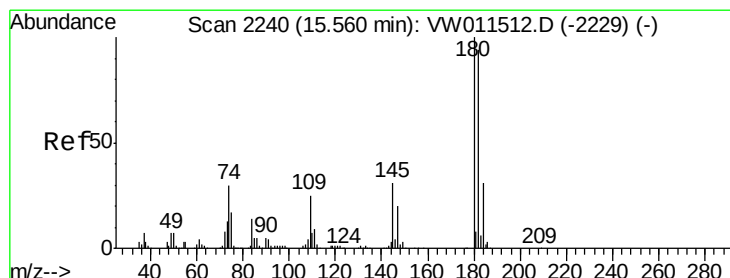
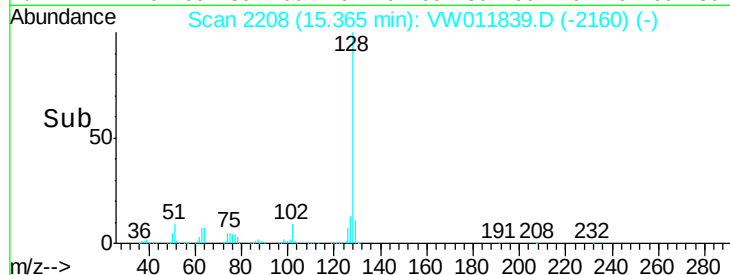
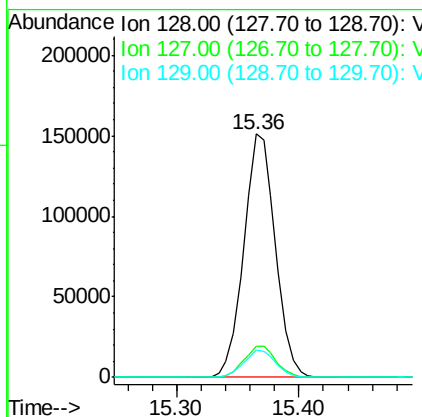
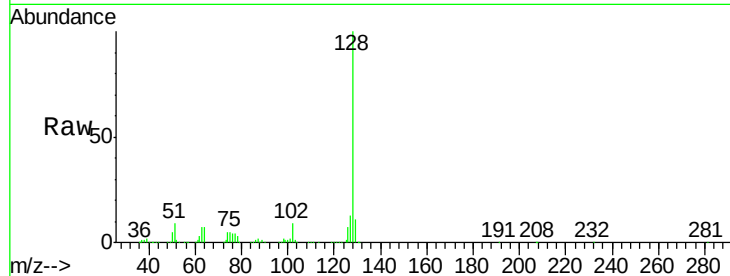
#95
Naphthalene
Concen: 44.693 ug/l
RT: 15.36 min Scan# 2208
Delta R.T. -0.01 min
Lab File: VW011839.D
Acq: 12 Aug 2019 09:19

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
128	100	269539		
127	13.2		10.6	16.0
129	11.1		8.6	13.0

Manual Integrations
APPROVED

MMDadoda
8/13/2019 4:32:10 PM



#96
1,2,3-Trichlorobenzene
Concen: 47.924 ug/l
RT: 15.55 min Scan# 2239
Delta R.T. -0.01 min
Lab File: VW011839.D
Acq: 12 Aug 2019 09:19

Tgt Ion	Ratio	Resp	Lower	Upper
180	100	130001		
182	96.5		47.4	142.2
145	31.4		15.9	47.7

