

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW010419\
 Data File : VW008039.D
 Acq On : 04 Jan 2019 11:06
 Operator : SY/AP
 Sample : VSTDCCC050
 Misc : 5.00G/5ML/MSVOA W/SOIL
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

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 1/7/2019 1:22:41 PM

Quant Time: Jan 05 00:52:10 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W010219S.M
 Quant Title : SW846 8260
 QLast Update : Thu Jan 03 05:03:55 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	78874	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	125250	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	104739	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.57	152	49879	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.31	65	43995	50.43	ug/l	0.00
Spiked Amount			Recovery	=	100.86%	
35) Dibromofluoromethane	7.88	113	39399	49.90	ug/l	0.00
Spiked Amount			Recovery	=	99.80%	
50) Toluene-d8	10.32	98	152808	51.59	ug/l	0.00
Spiked Amount			Recovery	=	103.18%	
62) 4-Bromofluorobenzene	12.62	95	52460	46.18	ug/l	0.00
Spiked Amount			Recovery	=	92.36%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	2.01	85	34617	47.826	ug/l	93
3) Chloromethane	2.21	50	25938	48.305	ug/l	98
4) Vinyl Chloride	2.37	62	35098	50.610	ug/l	100
5) Bromomethane	2.78	94	20481	46.484	ug/l	95
6) Chloroethane	2.93	64	17605	49.667	ug/l	99
7) Trichlorofluoromethane	3.26	101	33252	47.766	ug/l	97
8) Diethyl Ether	3.68	74	16856	47.142	ug/l	95
9) 1,1,2-Trichlorotrifluoroet	4.06	101	40482	48.933	ug/l	100
10) Methyl Iodide	4.26	142	63098	47.408	ug/l	99
11) Tert butyl alcohol	5.18	59	11091	195.687	ug/l #	84
12) 1,1-Dichloroethene	4.03	96	38902	49.126	ug/l	97
13) Acrolein	3.89	56	8771	228.402	ug/l	96
14) Allyl chloride	4.67	41	53280	49.664	ug/l	99
15) Acrylonitrile	5.36	53	31296	237.972	ug/l	99
16) Acetone	4.12	43	34767	257.452	ug/l	99
17) Carbon Disulfide	4.37	76	118496	48.987	ug/l	98
18) Methyl Acetate	4.67	43	17488	49.935	ug/l	98
19) Methyl tert-butyl Ether	5.42	73	56590	45.409	ug/l	100
20) Methylene Chloride	4.90	84	38314	45.806	ug/l	99
21) trans-1,2-Dichloroethene	5.42	96	41330	47.970	ug/l	96
22) Diisopropyl ether	6.31	45	93561	48.588	ug/l	97
23) Vinyl Acetate	6.25	43	261899	243.090	ug/l	98
24) 1,1-Dichloroethane	6.21	63	68633	47.971	ug/l	97
25) 2-Butanone	7.17	43	39821	250.274	ug/l	99
26) 2,2-Dichloropropane	7.16	77	54103	45.898	ug/l	99
27) cis-1,2-Dichloroethene	7.16	96	42831	46.669	ug/l	100
28) Bromochloromethane	7.51	49	23171	50.388	ug/l	99
29) Tetrahydrofuran	7.53	42	23189	234.633	ug/l	99
30) Chloroform	7.67	83	75775	47.257	ug/l	100
31) Cyclohexane	7.95	56	62414	46.804	ug/l	94
32) 1,1,1-Trichloroethane	7.87	97	73076	47.627	ug/l	100
36) 1,1-Dichloropropene	8.08	75	60457	48.932	ug/l	100
37) Ethyl Acetate	7.25	43	17335	46.709	ug/l	97
38) Carbon Tetrachloride	8.07	117	71358	48.192	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.34	83	76433	49.629	ug/l	100
40) Benzene	8.32	78	157992	48.472	ug/l	100
41) Methacrylonitrile	7.48	41	10762	49.320	ug/l	96
42) 1,2-Dichloroethane	8.40	62	50295	46.312	ug/l	98
43) Isopropyl Acetate	8.43	43	37396	50.430	ug/l	98
44) Trichloroethene	9.09	130	46574	48.421	ug/l	97
45) 1,2-Dichloropropane	9.37	63	34638	49.096	ug/l	100
46) Dibromomethane	9.46	93	19504	47.284	ug/l	96
47) Bromodichloromethane	9.64	83	55330	47.891	ug/l	98
48) Methyl methacrylate	9.43	41	19988	53.459	ug/l	91
49) 1,4-Dioxane	9.46	88	5635	923.127	ug/l	93
51) 4-Methyl-2-Pentanone	10.21	43	82834	241.320	ug/l	98
52) Toluene	10.39	92	106108	49.311	ug/l	99
53) t-1,3-Dichloropropene	10.60	75	53018	47.723	ug/l	95
54) cis-1,3-Dichloropropene	10.07	75	60015	48.411	ug/l	98
55) 1,1,2-Trichloroethane	10.79	97	26287	47.068	ug/l	97
56) Ethyl methacrylate	10.65	69	31903	50.529	ug/l	96
57) 1,3-Dichloropropane	10.93	76	43213	45.536	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.93	63	75584	252.422	ug/l	96
59) 2-Hexanone	10.97	43	60503	255.323	ug/l	100
60) Dibromochloromethane	11.13	129	35582	46.544	ug/l	99
61) 1,2-Dibromoethane	11.24	107	25451	45.538	ug/l	100
64) Tetrachloroethene	10.87	164	36417	50.335	ug/l	97
65) Chlorobenzene	11.66	112	109563	48.945	ug/l	93
66) 1,1,1,2-Tetrachloroethane	11.73	131	37830	46.667	ug/l	98
67) Ethyl Benzene	11.73	91	194239	48.887	ug/l	93
68) m/p-Xylenes	11.83	106	144259	93.913	ug/l	92
69) o-Xylene	12.17	106	65872	46.086	ug/l	95
70) Styrene	12.18	104	106699	45.800	ug/l	96
71) Bromoform	12.35	173	17483	46.551	ug/l	# 95
73) Isopropylbenzene	12.47	105	206913	52.168	ug/l	98
74) N-amyl acetate	12.27	43	27881	45.159	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.72	83	26413	52.338	ug/l	93
76) 1,2,3-Trichloropropane	12.76	75	20520m	51.712	ug/l	
77) Bromobenzene	12.75	156	40264	47.230	ug/l	96
78) n-propylbenzene	12.81	91	236411	51.410	ug/l	99
79) 2-Chlorotoluene	12.90	91	132972	50.032	ug/l	99
80) 1,3,5-Trimethylbenzene	12.94	105	163676	47.942	ug/l	95
81) trans-1,4-Dichloro-2-buten	12.52	75	7980	47.558	ug/l	95
82) 4-Chlorotoluene	12.99	91	139087	49.216	ug/l	100
83) tert-Butylbenzene	13.21	119	144247	48.292	ug/l	93
84) 1,2,4-Trimethylbenzene	13.25	105	168386	48.694	ug/l	100
85) sec-Butylbenzene	13.39	105	191930	46.710	ug/l	97
86) p-Isopropyltoluene	13.51	119	179920	48.545	ug/l	98
87) 1,3-Dichlorobenzene	13.51	146	86335	50.192	ug/l	97
88) 1,4-Dichlorobenzene	13.58	146	77188	45.326	ug/l	96
89) n-Butylbenzene	13.83	91	166193	49.023	ug/l	99
90) Hexachloroethane	14.10	117	31053	48.286	ug/l	99
91) 1,2-Dichlorobenzene	13.88	146	71951	47.601	ug/l	95
92) 1,2-Dibromo-3-Chloropropan	14.49	75	4873	47.576	ug/l	95

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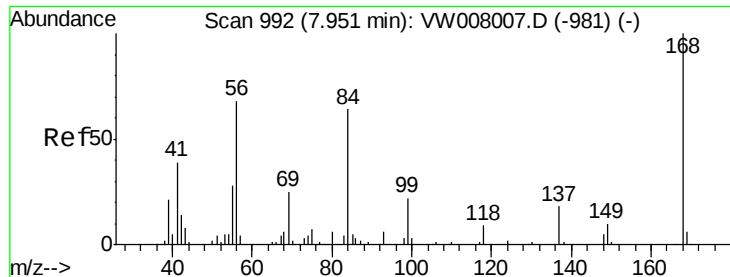
Manual Integrations
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.14	180	46940	44.215	ug/l	95
94) Hexachlorobutadiene	15.24	225	28854	47.072	ug/l	99
95) Naphthalene	15.38	128	85864	47.489	ug/l	99
96) 1,2,3-Trichlorobenzene	15.57	180	41910	47.978	ug/l	95

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.01 min

Lab File: VW008039.D

Acq: 04 Jan 2019 11:06

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

Tot Ion:168 Resp: 78874

Ion Ratio Lower Upper

168 100

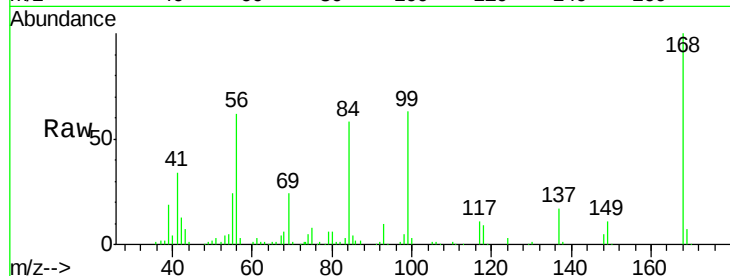
99 62.6 51.6 77.4

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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

40000

30000

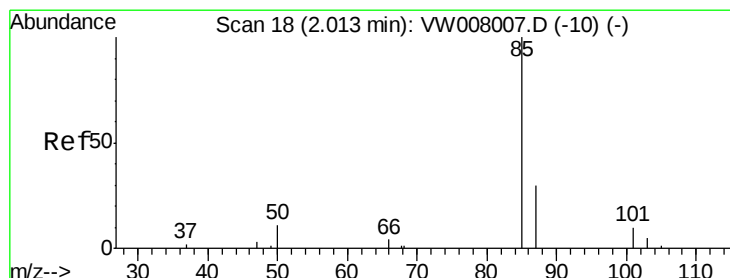
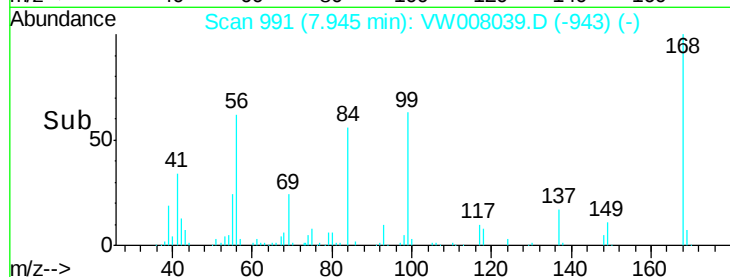
20000

10000

0

7.85 7.90 7.95 8.00 8.05

Time-->



#2

Dichlorodifluoromethane

Concen: 47.826 ug/l

RT: 2.01 min Scan# 18

Delta R.T. 0.00 min

Lab File: VW008039.D

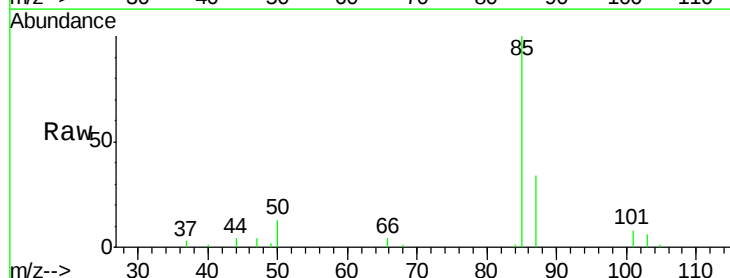
Acq: 04 Jan 2019 11:06

Tgt Ion: 85 Resp: 34617

Ion Ratio Lower Upper

85 100

87 33.6 15.0 45.0



Abundance Ion 84.90 (84.60 to 85.60): VW

Ion 86.90 (86.60 to 87.60): VW

2.01

12000

10000

8000

6000

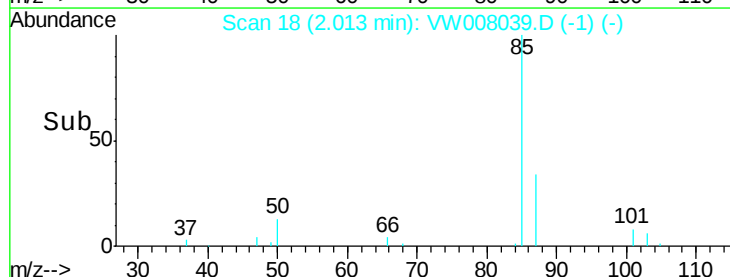
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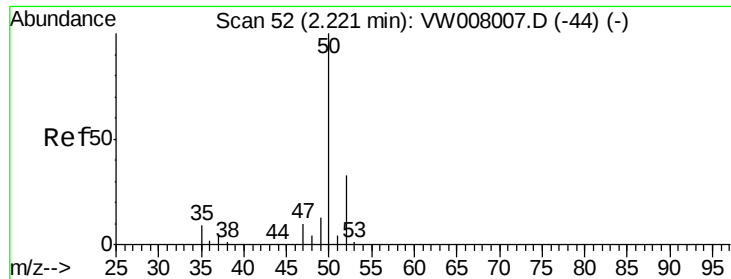
2000

0

1.90 2.00 2.10 2.20

Time-->





#3

Chloromethane

Concen: 48.305 ug/l

RT: 2.21 min Scan# 51

Delta R.T. -0.01 min

Lab File: VW008039.D

Acq: 04 Jan 2019 11:06

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

Tot Ion: 50 Resp: 25938

Ion Ratio Lower Upper

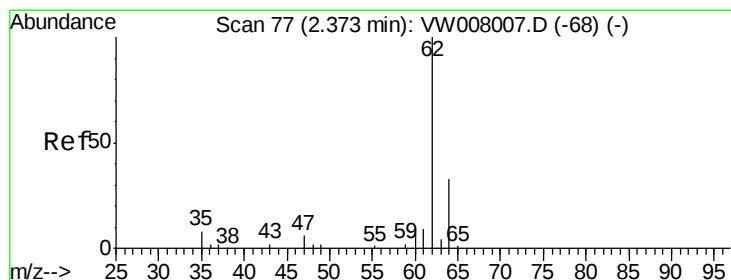
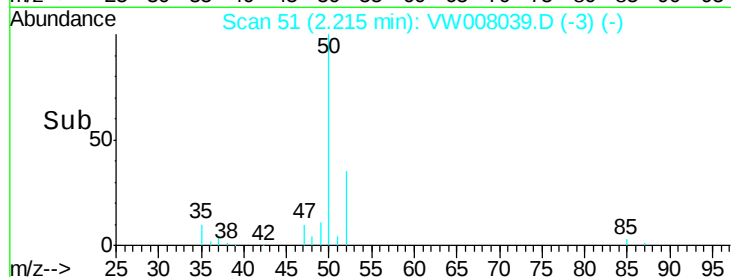
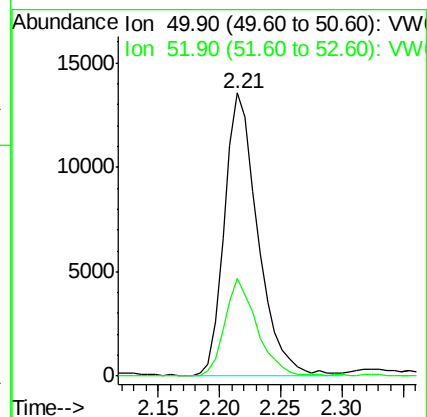
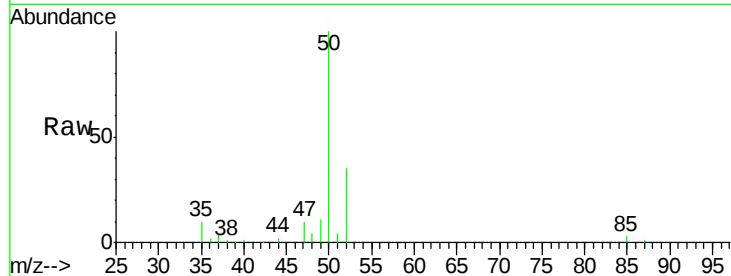
50 100

52 34.6 26.8 40.2

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#4

Vinyl Chloride

Concen: 50.610 ug/l

RT: 2.37 min Scan# 76

Delta R.T. -0.01 min

Lab File: VW008039.D

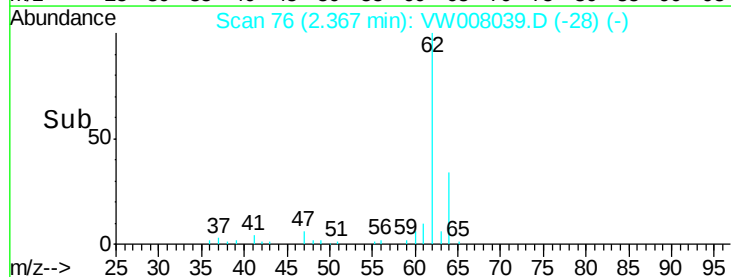
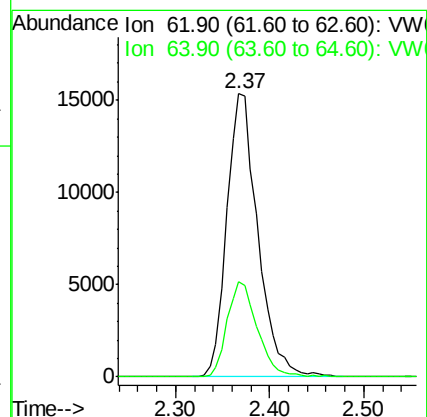
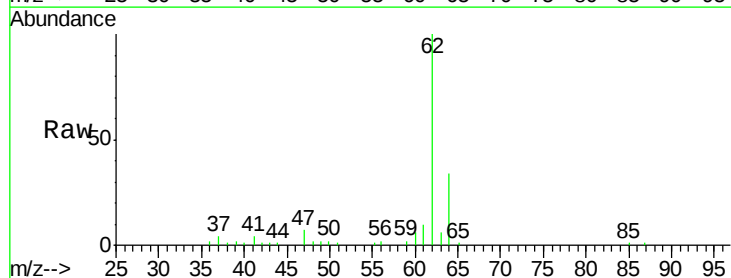
Acq: 04 Jan 2019 11:06

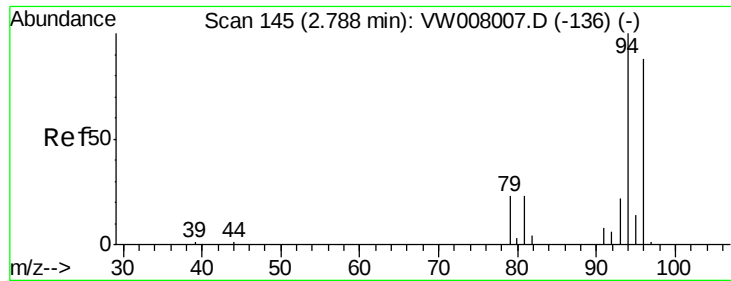
Tgt Ion: 62 Resp: 35098

Ion Ratio Lower Upper

62 100

64 33.7 26.8 40.2





#5

Bromomethane

Concen: 46.484 ug/l

RT: 2.78 min Scan# 144

Delta R.T. -0.01 min

Lab File: VW008039.D

Acq: 04 Jan 2019 11:06

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

Tot Ion: 94 Resp: 20481

Ion Ratio Lower Upper

94 100

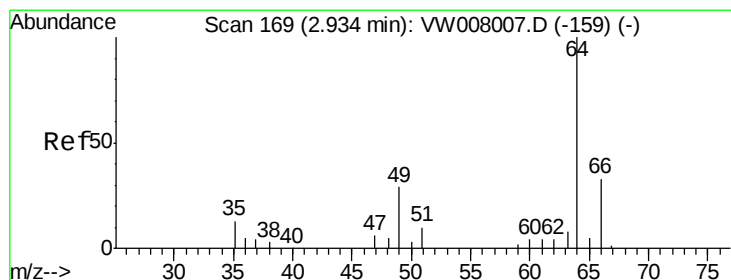
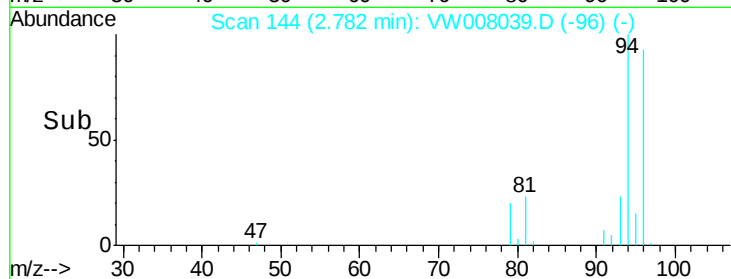
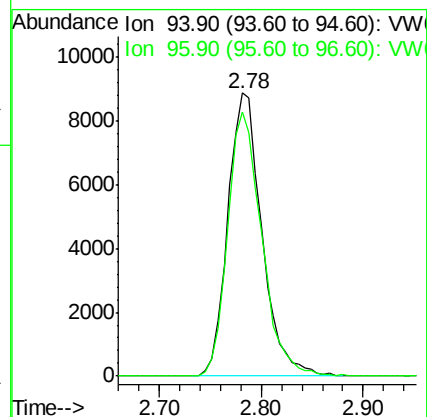
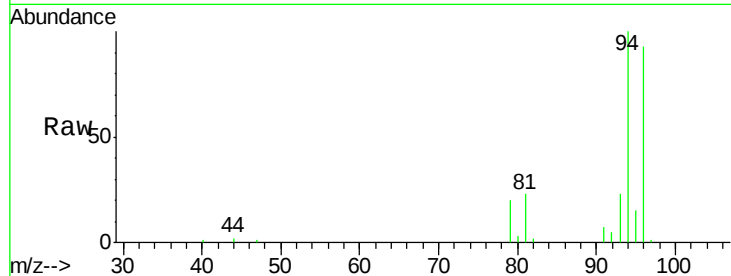
96 93.3 70.7 106.1

Manual Integrations

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#6

Chloroethane

Concen: 49.667 ug/l

RT: 2.93 min Scan# 168

Delta R.T. -0.01 min

Lab File: VW008039.D

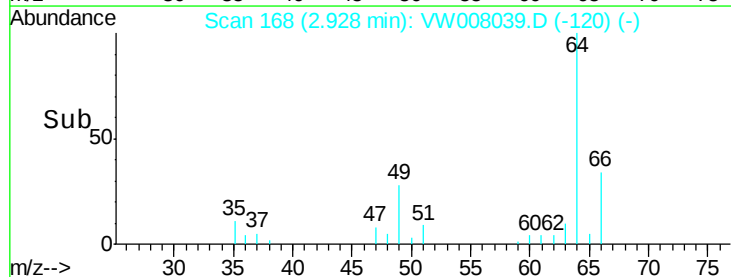
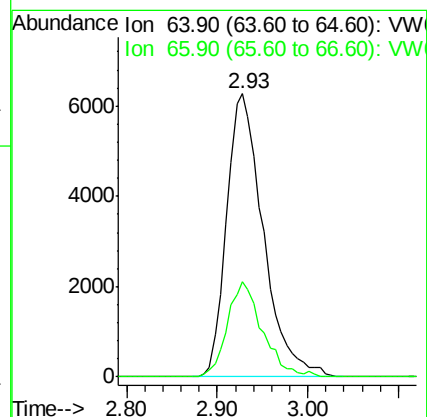
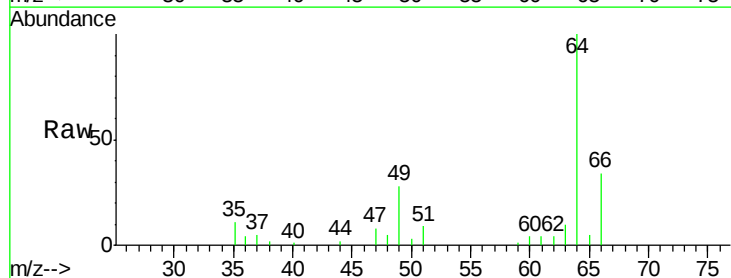
Acq: 04 Jan 2019 11:06

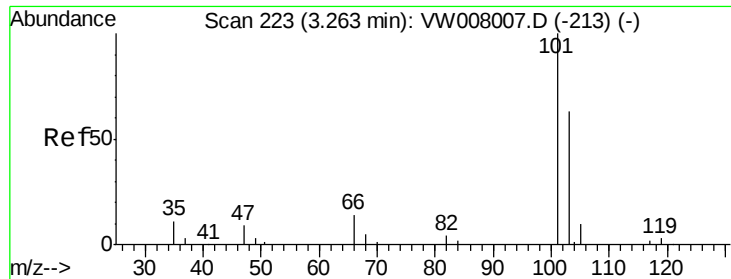
Tgt Ion: 64 Resp: 17605

Ion Ratio Lower Upper

64 100

66 33.9 26.6 39.8





#7

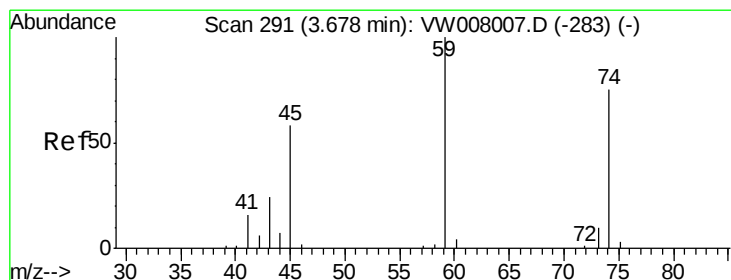
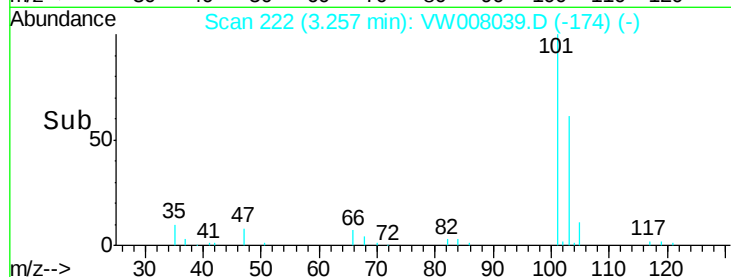
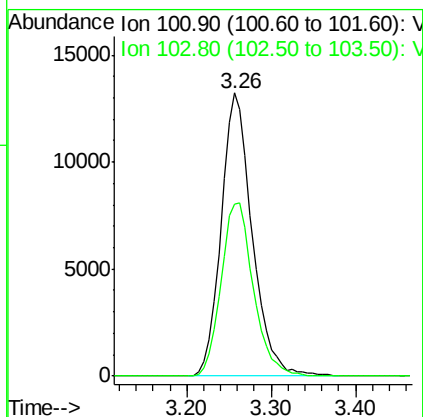
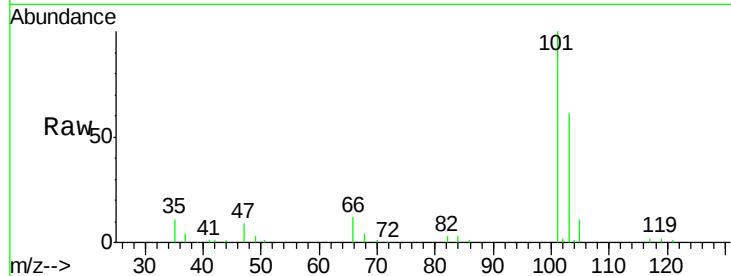
Trichlorofluoromethane
Concen: 47.766 ug/l
RT: 3.26 min Scan# 222
Delta R.T. -0.01 min
Lab File: VW008039.D
Acq: 04 Jan 2019 11:06

Instrument :
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ClientSampleId :
VSTDCCC050

Tot Ion:101 Resp: 33252
Ion Ratio Lower Upper
101 100
103 61.0 50.5 75.7

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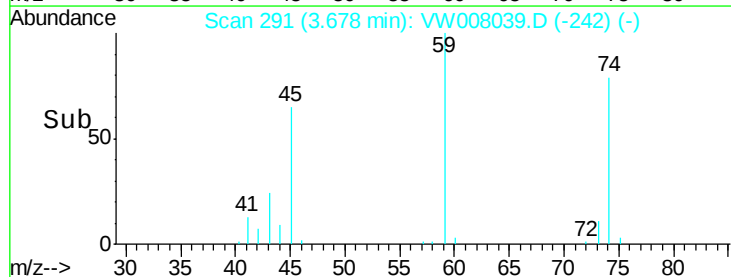
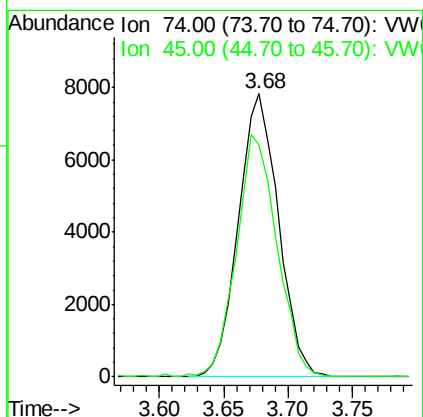
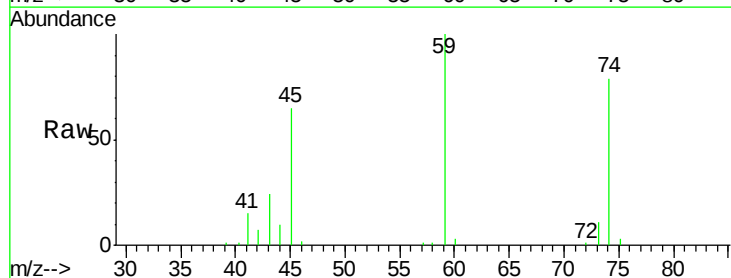
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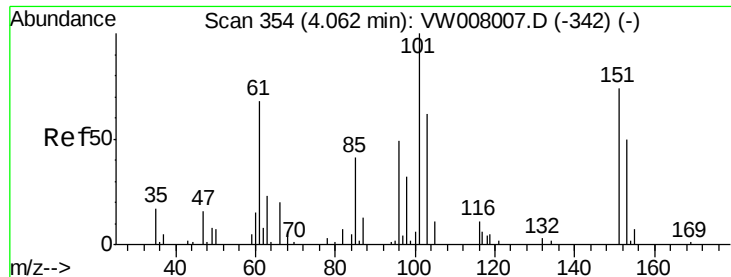


#8

Diethyl Ether
Concen: 47.142 ug/l
RT: 3.68 min Scan# 291
Delta R.T. 0.00 min
Lab File: VW008039.D
Acq: 04 Jan 2019 11:06

Tgt Ion: 74 Resp: 16856
Ion Ratio Lower Upper
74 100
45 87.0 41.4 124.2





#9

1,1,2-Trichlorotrifluoroethane

Concen: 48.933 ug/l

RT: 4.06 min Scan# 354

Delta R.T. 0.00 min

Lab File: VW008039.D

Acq: 04 Jan 2019 11:06

Instrument :

MSVOA_W

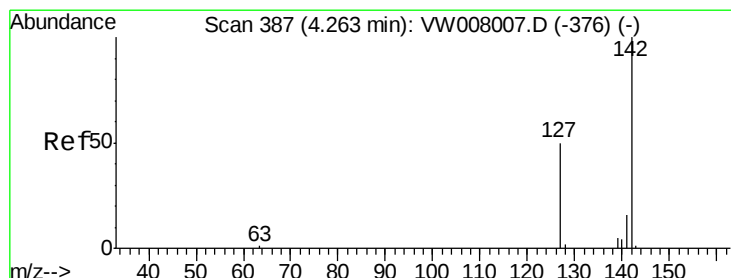
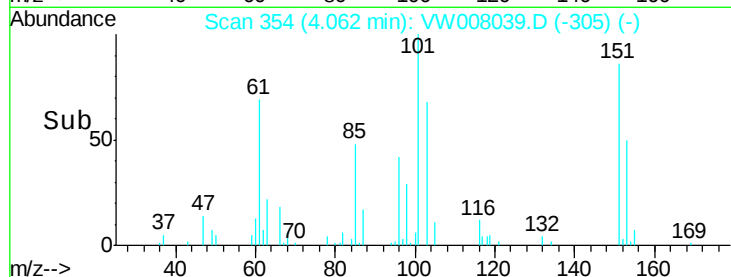
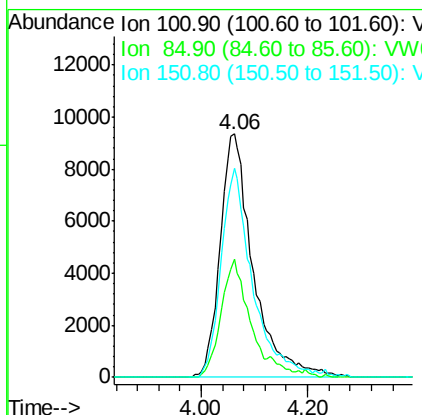
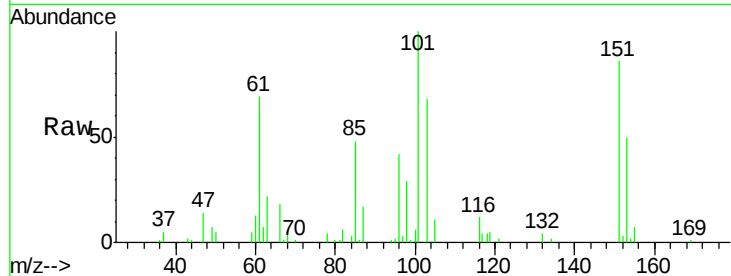
ClientSampleId :

VSTDCCC050

Tot Ion:	101	Resp:	40482
Ion Ratio	Lower	Upper	
101	100		
85	43.5	35.1	52.7
151	81.8	65.3	97.9

Manual Integrations
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#10

Methyl Iodide

Concen: 47.408 ug/l

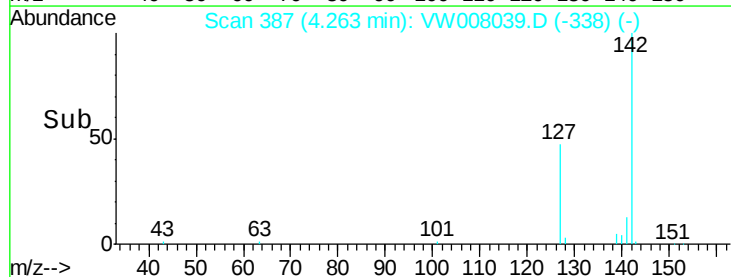
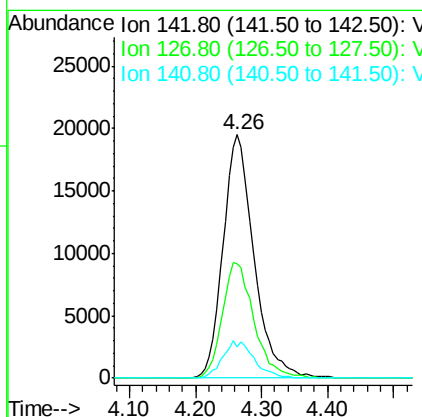
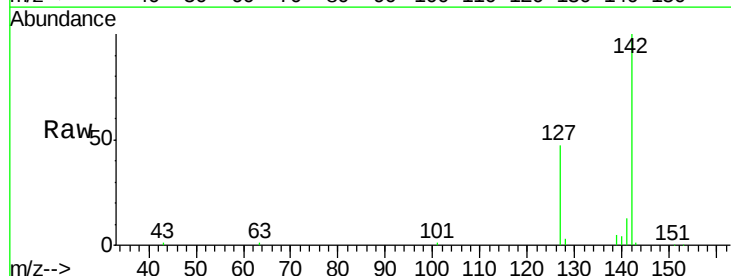
RT: 4.26 min Scan# 387

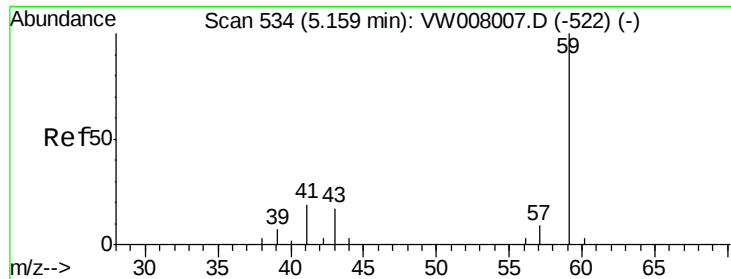
Delta R.T. 0.00 min

Lab File: VW008039.D

Acq: 04 Jan 2019 11:06

Tgt Ion:	142	Resp:	63098
Ion Ratio	Lower	Upper	
142	100		
127	48.5	39.4	59.0
141	15.3	12.1	18.1





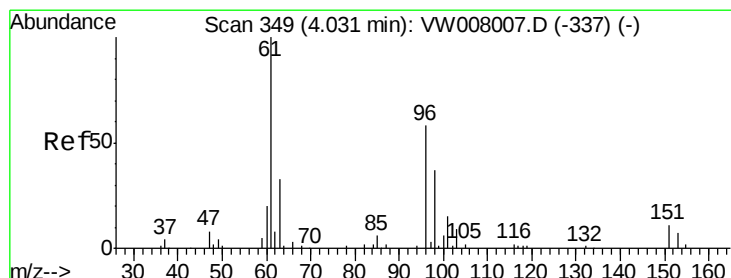
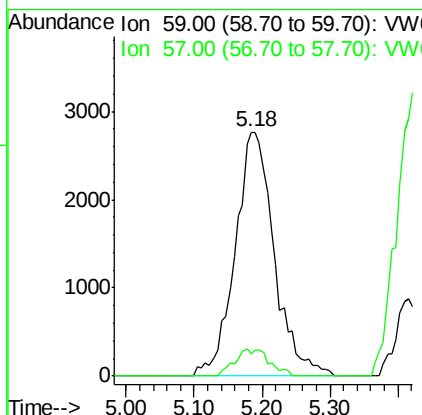
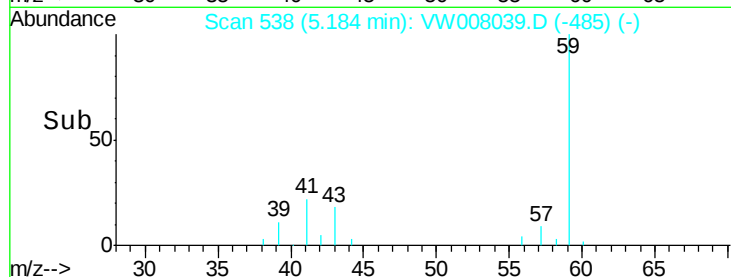
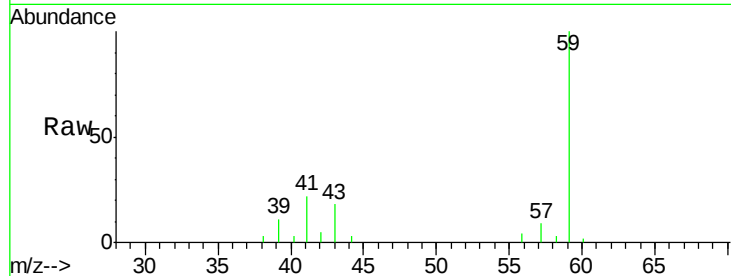
#11
Tert butyl alcohol
Concen: 195.687 ug/l
RT: 5.18 min Scan# 538
Delta R.T. 0.02 min
Lab File: VW008039.D
Acq: 04 Jan 2019 11:06

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
59	100		
57	4.9	9.0	13.4#

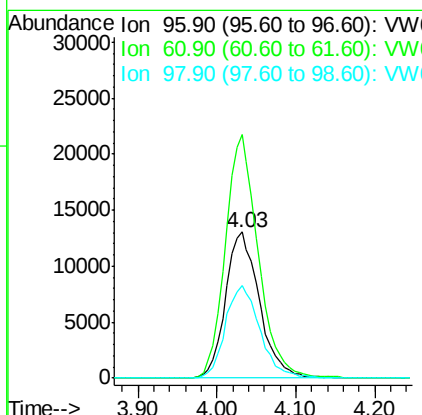
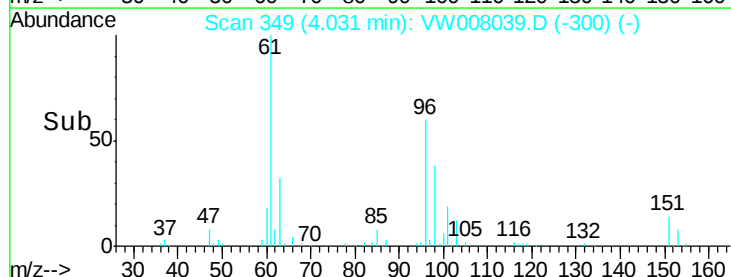
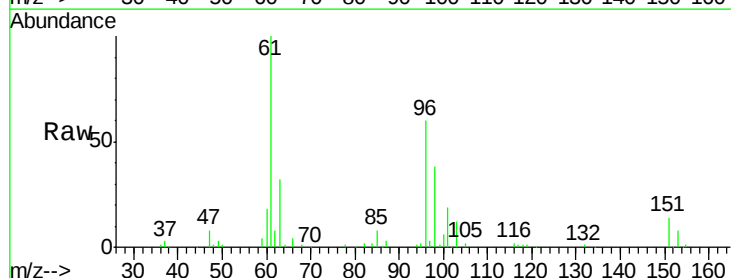
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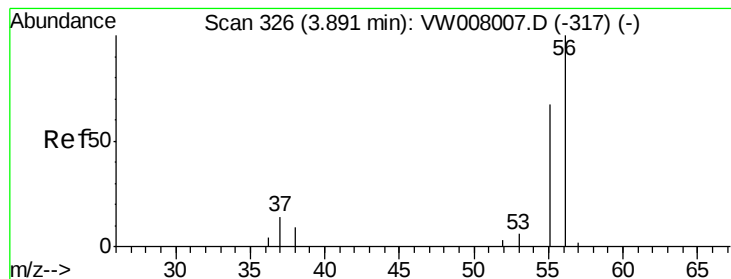
MMDadoda
1/7/2019 1:22:41 PM



#12
1,1-Dichloroethene
Concen: 49.126 ug/l
RT: 4.03 min Scan# 349
Delta R.T. 0.00 min
Lab File: VW008039.D
Acq: 04 Jan 2019 11:06

Tgt Ion	Ratio	Lower	Upper
96	100		
61	166.8	137.3	205.9
98	63.3	50.5	75.7





#13

Acrolein

Concen: 228.402 ug/l

RT: 3.89 min Scan# 325

Delta R.T. -0.01 min

Lab File: VW008039.D

Acq: 04 Jan 2019 11:06

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

Tot Ion: 56 Resp: 8771

Ion Ratio Lower Upper

56 100

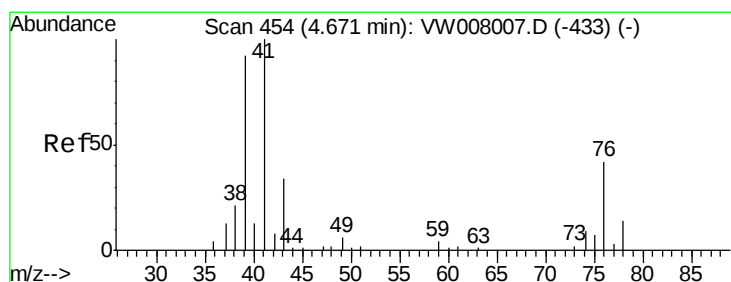
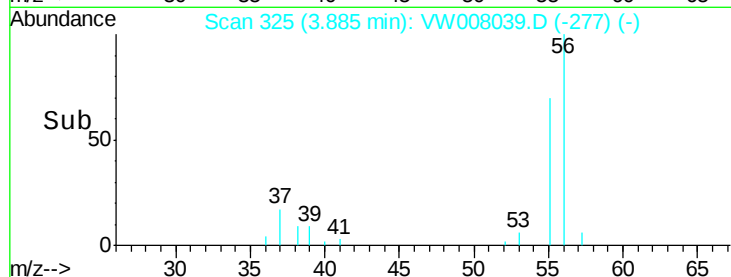
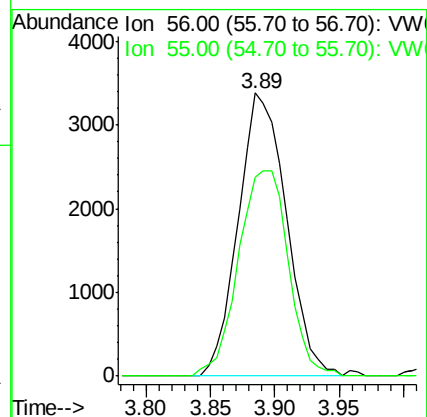
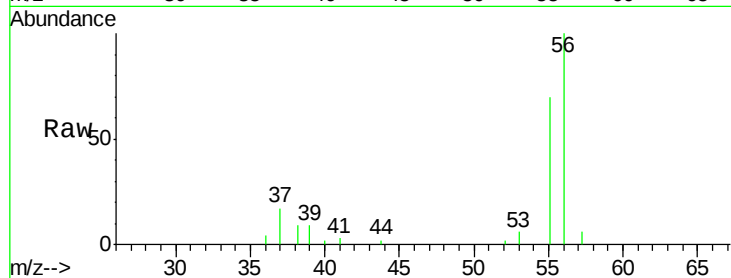
55 75.3 57.3 85.9

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#14

Allyl chloride

Concen: 49.664 ug/l

RT: 4.67 min Scan# 453

Delta R.T. -0.01 min

Lab File: VW008039.D

Acq: 04 Jan 2019 11:06

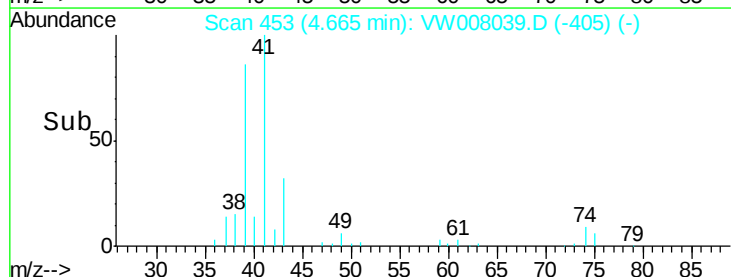
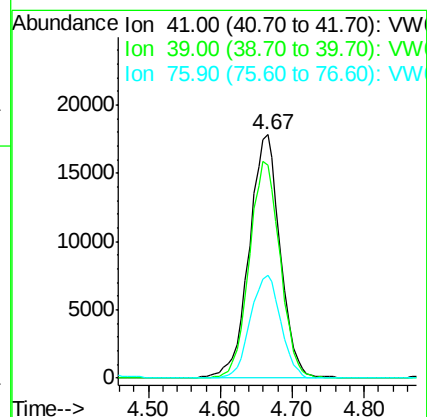
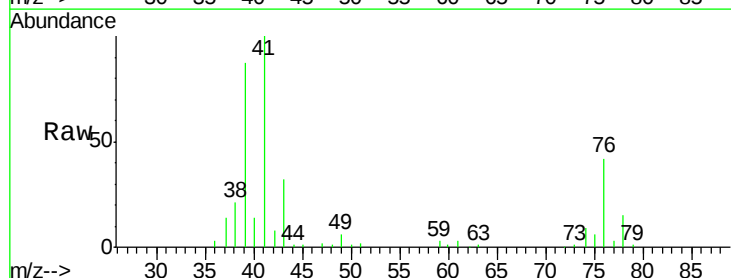
Tgt Ion: 41 Resp: 53280

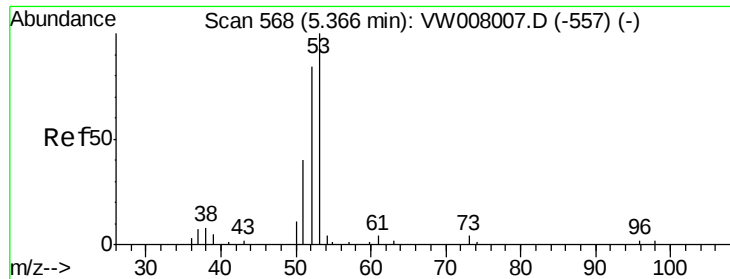
Ion Ratio Lower Upper

41 100

39 88.4 71.1 106.7

76 41.4 33.4 50.2





#15

Acrylonitrile

Concen: 237.972 ug/l

RT: 5.36 min Scan# 567

Delta R.T. -0.01 min

Lab File: VW008039.D

Acq: 04 Jan 2019 11:06

Instrument :

MSVOA_W

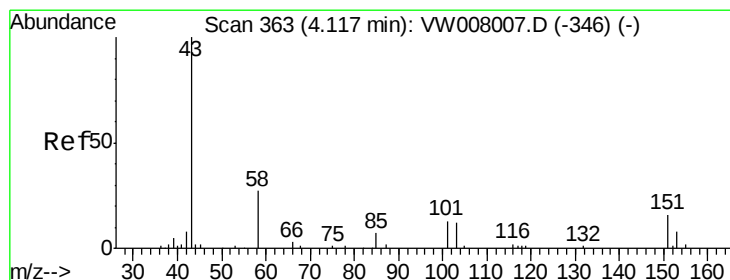
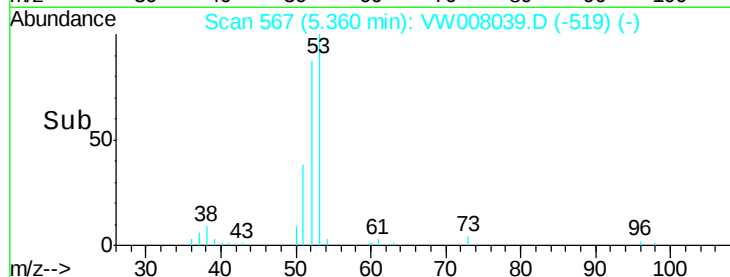
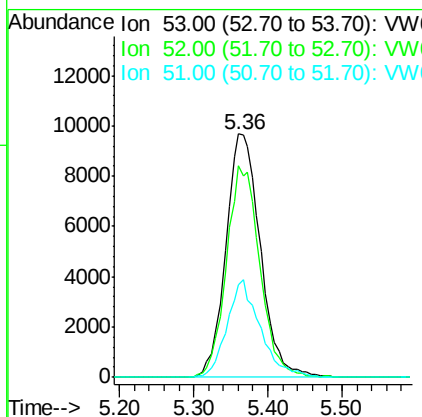
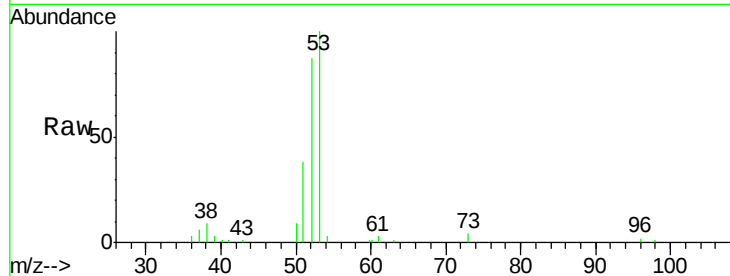
ClientSampleId :

VSTDCCC050

Tot Ion:	53	Resp:	31296
Ion	Ratio	Lower	Upper
53	100		
52	84.0	67.8	101.8
51	38.5	31.5	47.3

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#16

Acetone

Concen: 257.452 ug/l

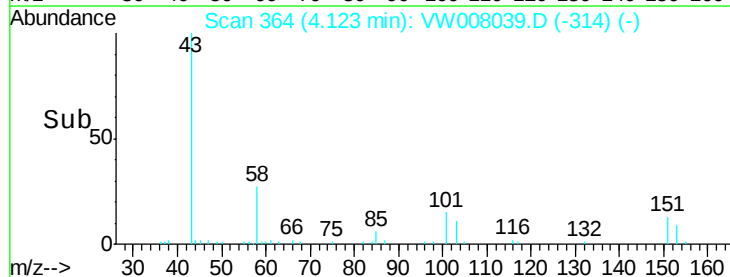
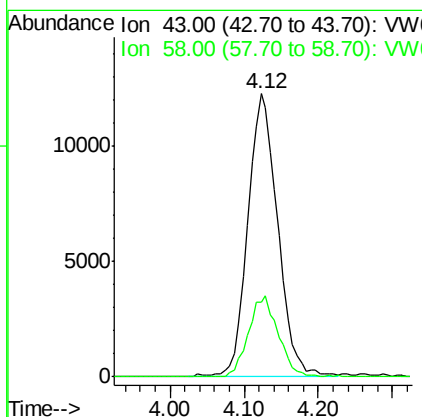
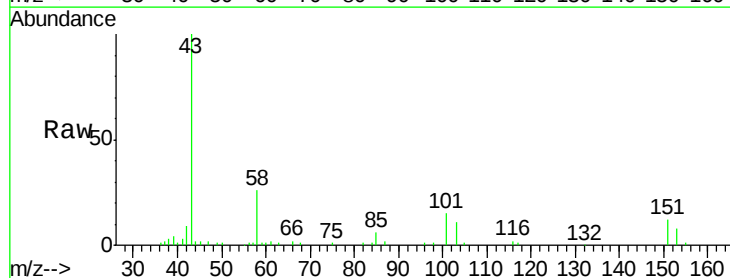
RT: 4.12 min Scan# 364

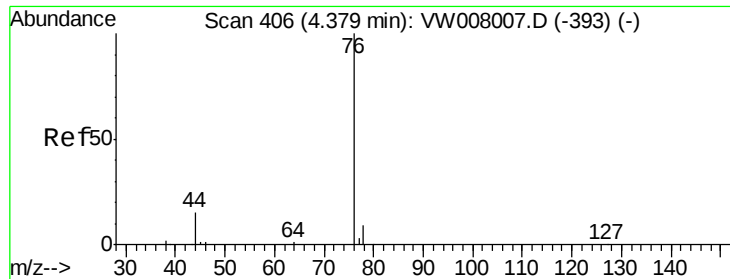
Delta R.T. 0.01 min

Lab File: VW008039.D

Acq: 04 Jan 2019 11:06

Tgt Ion:	43	Resp:	34767
Ion	Ratio	Lower	Upper
43	100		
58	26.4	21.7	32.5





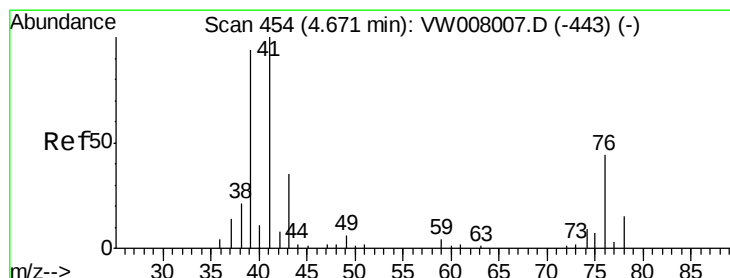
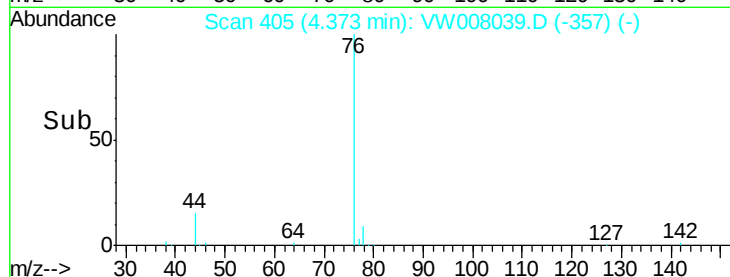
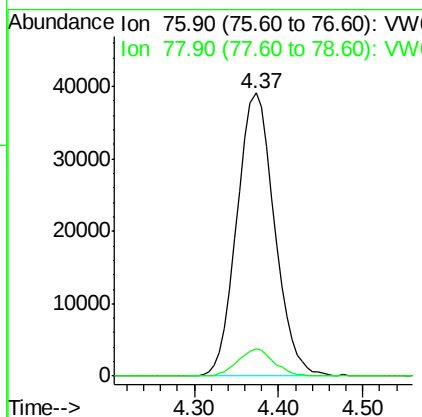
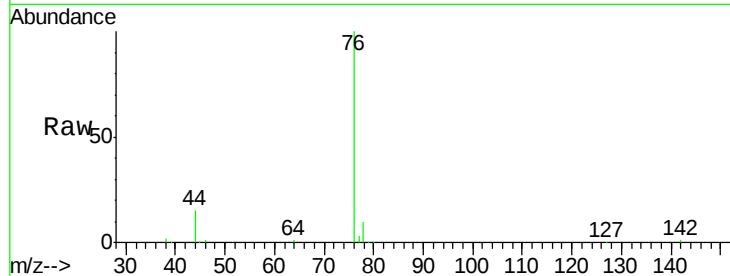
#17
Carbon Disulfide
Concen: 48.987 ug/l
RT: 4.37 min Scan# 405
Delta R.T. -0.01 min
Lab File: VW008039.D
Acq: 04 Jan 2019 11:06

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion: 76 Resp: 118496
Ion Ratio Lower Upper
76 100
78 9.5 7.0 10.4

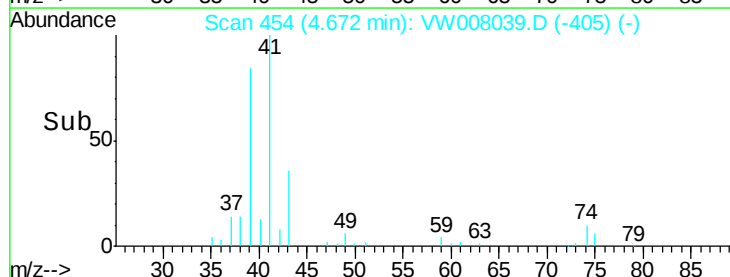
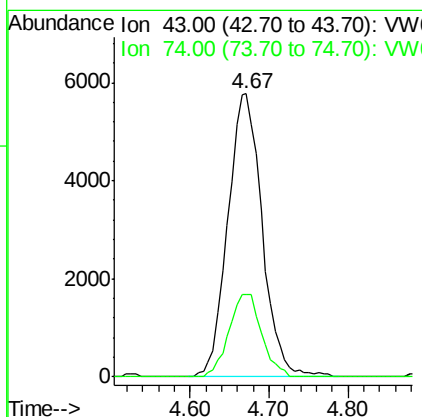
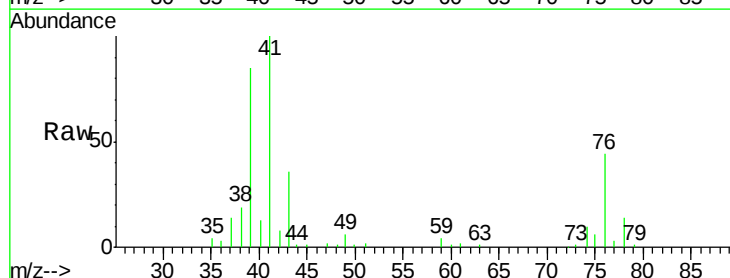
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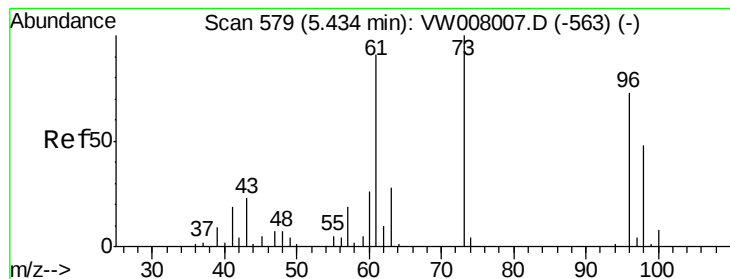
MMDadoda
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#18
Methyl Acetate
Concen: 49.935 ug/l
RT: 4.67 min Scan# 454
Delta R.T. 0.00 min
Lab File: VW008039.D
Acq: 04 Jan 2019 11:06

Tgt Ion: 43 Resp: 17488
Ion Ratio Lower Upper
43 100
74 27.7 21.4 32.2





#19

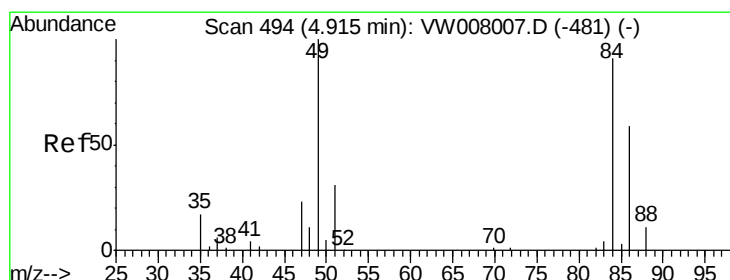
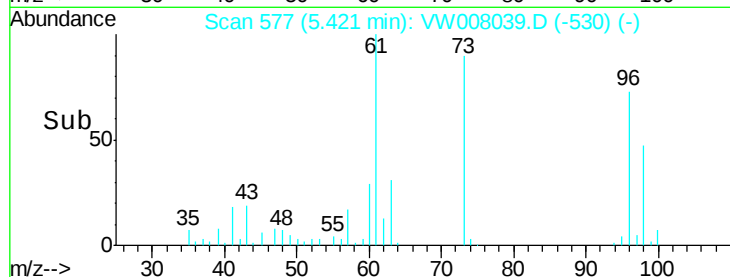
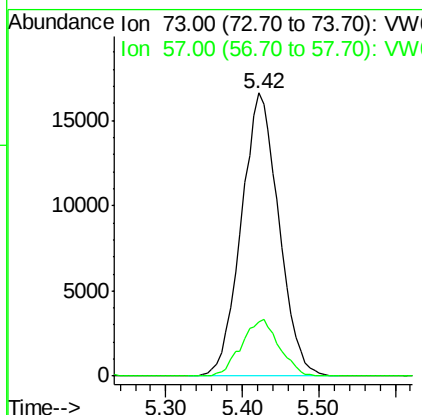
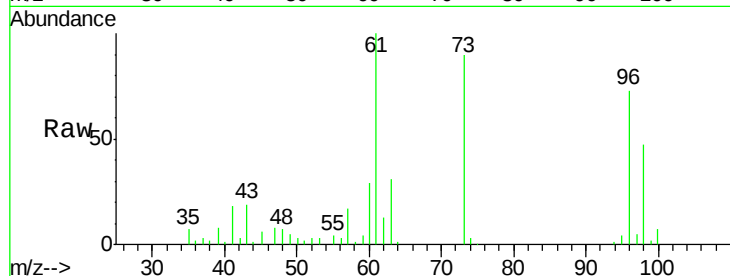
Methyl tert-butyl Ether
 Concen: 45.409 ug/l
 RT: 5.42 min Scan# 577
 Delta R.T. -0.01 min
 Lab File: VW008039.D
 Acq: 04 Jan 2019 11:06

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
73	100		
57	19.3	15.4	23.0

Manual Integrations
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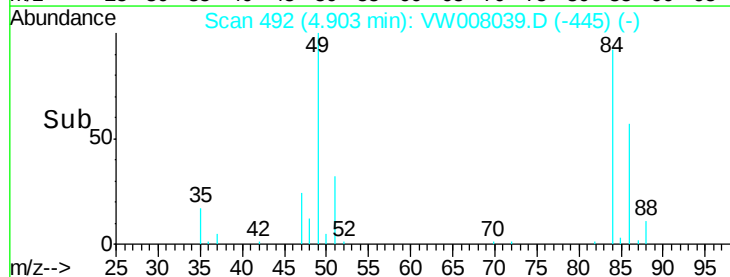
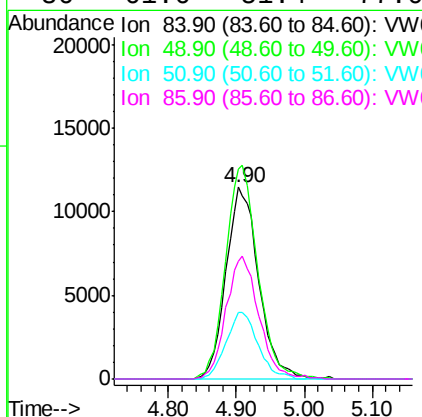
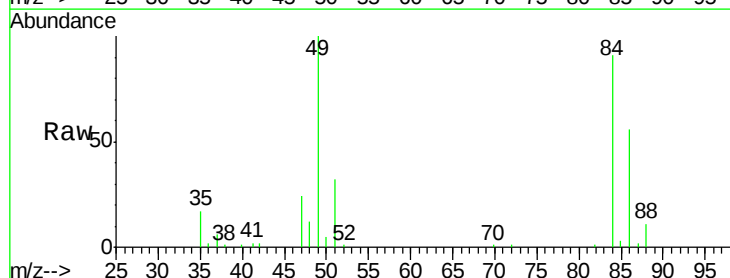
MMDadoda
 1/7/2019 1:22:41 PM

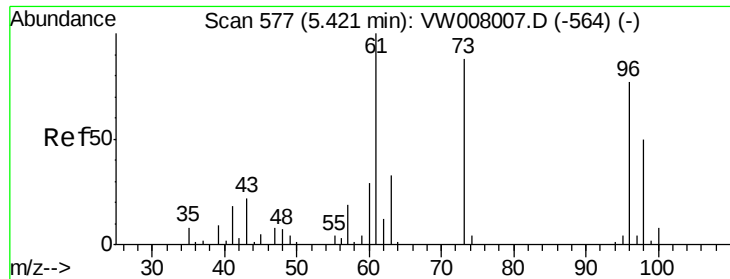


#20

Methylene Chloride
 Concen: 45.806 ug/l
 RT: 4.90 min Scan# 492
 Delta R.T. -0.01 min
 Lab File: VW008039.D
 Acq: 04 Jan 2019 11:06

Tgt Ion	Ratio	Lower	Upper
84	100		
49	109.4	87.7	131.5
51	34.6	27.3	40.9
86	61.6	51.4	77.0





#21

trans-1,2-Dichloroethene

Concen: 47.970 ug/l

RT: 5.42 min Scan# 577

Delta R.T. 0.00 min

Lab File: VW008039.D

Acq: 04 Jan 2019 11:06

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

Tot Ion: 96 Resp: 41330

Ion Ratio Lower Upper

96 100

61 136.3 104.2 156.2

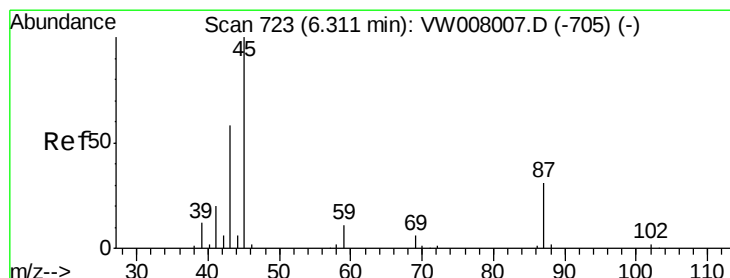
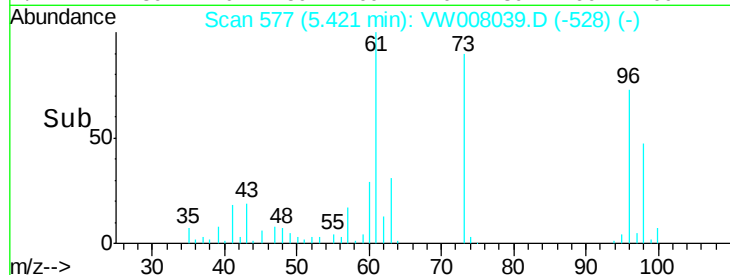
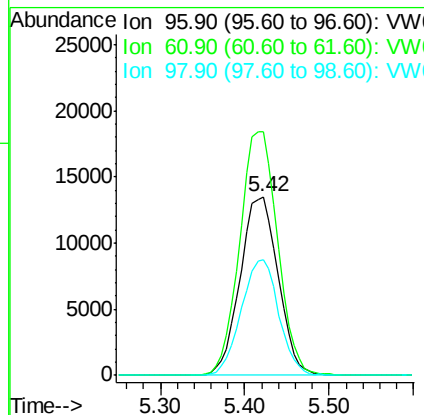
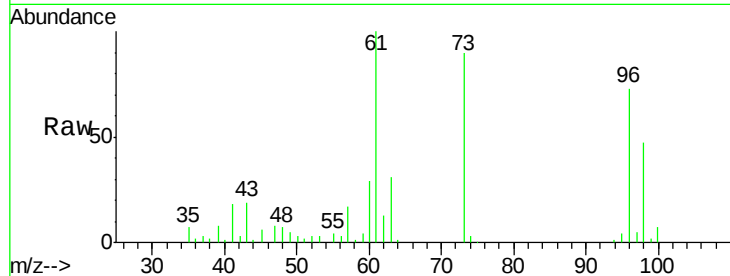
98 64.6 51.8 77.6

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#22

Diisopropyl ether

Concen: 48.588 ug/l

RT: 6.31 min Scan# 723

Delta R.T. 0.00 min

Lab File: VW008039.D

Acq: 04 Jan 2019 11:06

Tgt Ion: 45 Resp: 93561

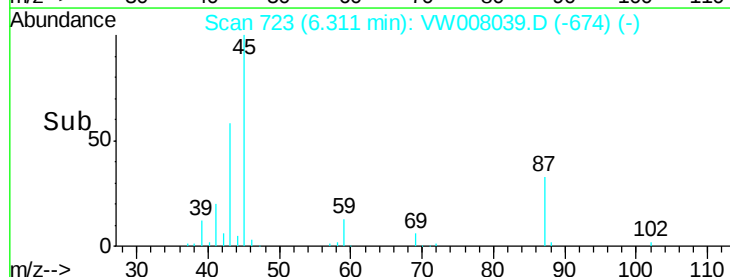
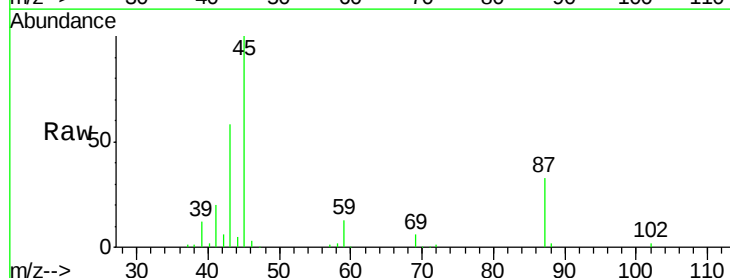
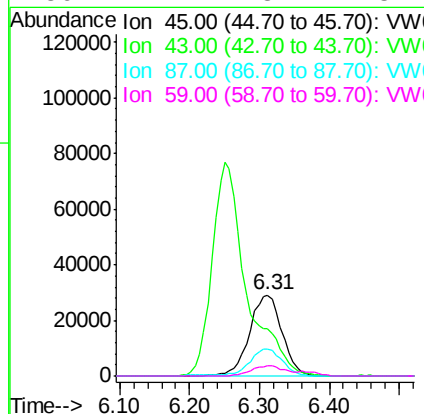
Ion Ratio Lower Upper

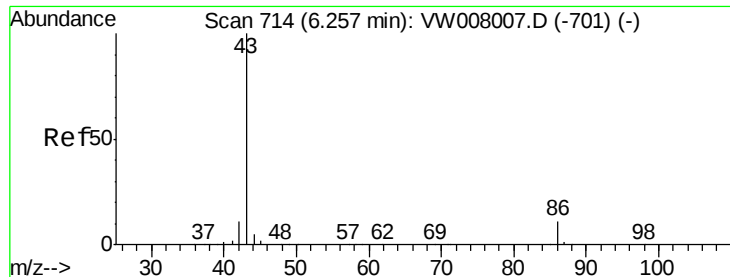
45 100

43 57.5 48.1 72.1

87 33.5 25.8 38.8

59 12.1 8.7 13.1





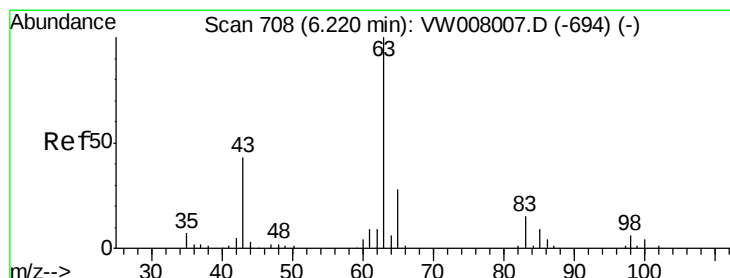
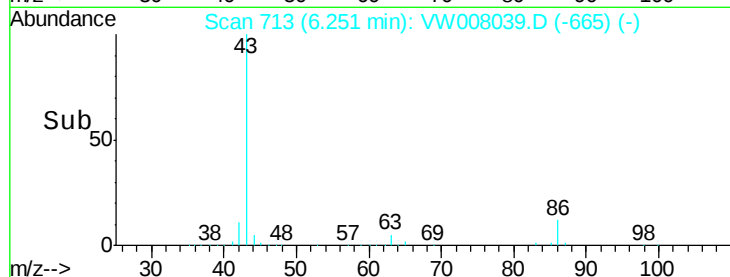
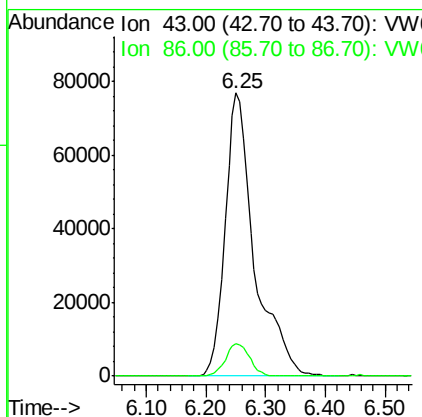
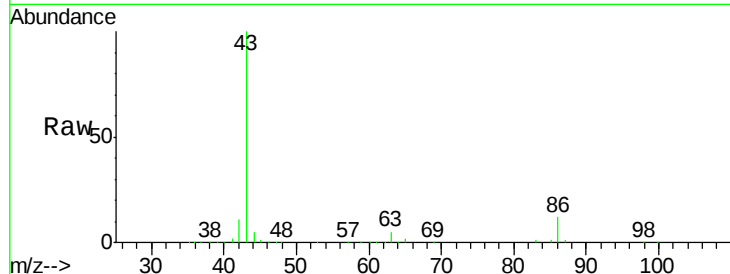
#23
 Vinyl Acetate
 Concen: 243.090 ug/l
 RT: 6.25 min Scan# 713
 Delta R.T. -0.01 min
 Lab File: VW008039.D
 Acq: 04 Jan 2019 11:06

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

Tot Ion	43	Resp	261899
Ion Ratio	Lower	Upper	
43	100		
86	11.6	8.8	13.2

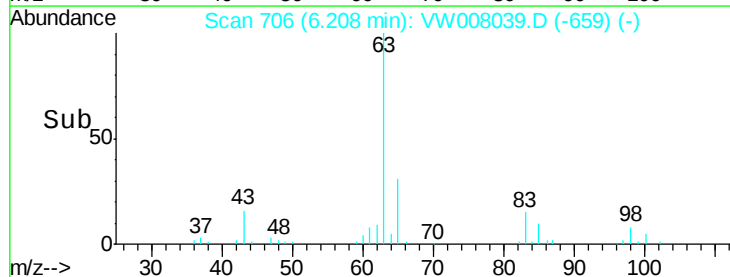
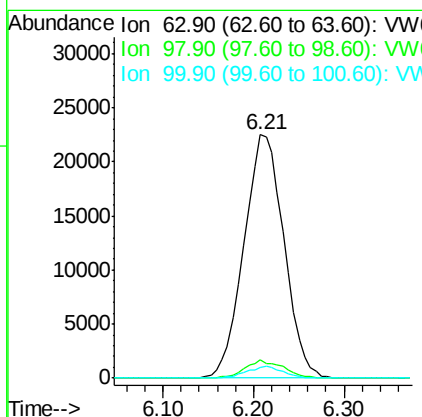
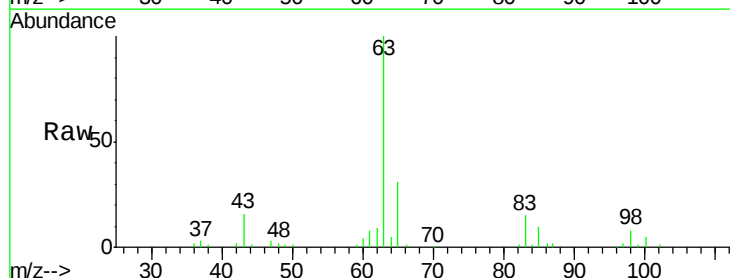
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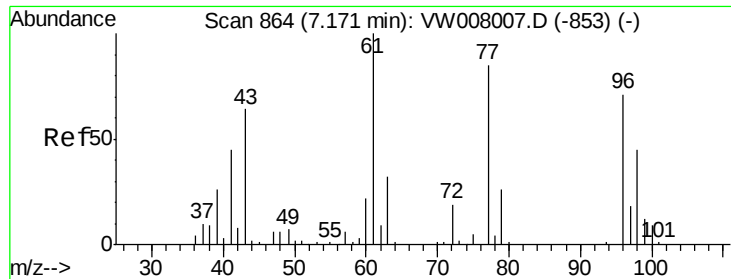
MMDadoda
 1/7/2019 1:22:41 PM



#24
 1,1-Dichloroethane
 Concen: 47.971 ug/l
 RT: 6.21 min Scan# 706
 Delta R.T. -0.01 min
 Lab File: VW008039.D
 Acq: 04 Jan 2019 11:06

Tgt Ion	63	Resp	68633
Ion Ratio	Lower	Upper	
63	100		
98	7.6	3.2	9.6
100	4.6	2.1	6.2





#25

2-Butanone

Concen: 250.274 ug/l

RT: 7.17 min Scan# 864

Delta R.T. 0.00 min

Lab File: VW008039.D

Acq: 04 Jan 2019 11:06

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 39821

Ion Ratio Lower Upper

43 100

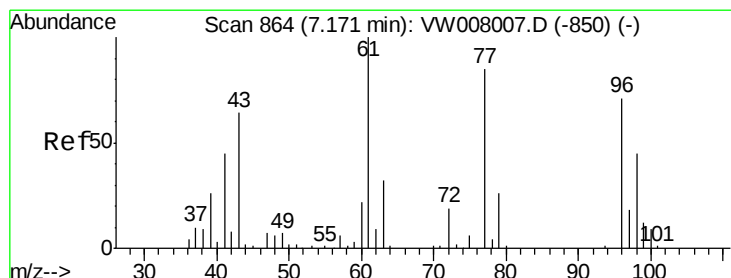
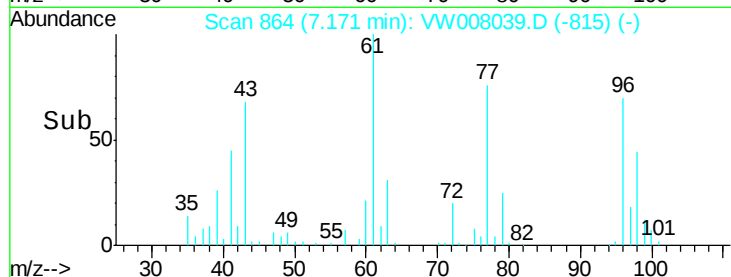
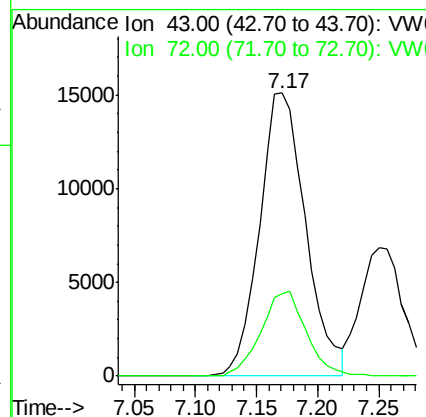
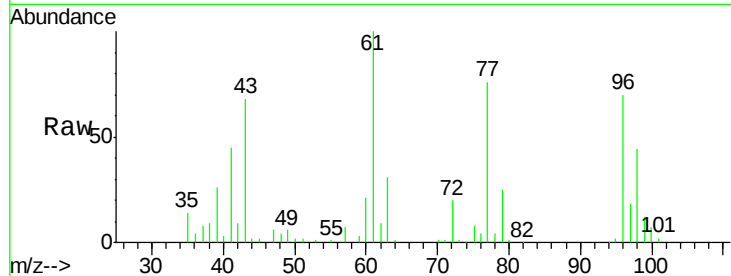
72 29.1 23.8 35.8

Manual Integrations

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#26

2,2-Dichloropropane

Concen: 45.898 ug/l

RT: 7.16 min Scan# 863

Delta R.T. -0.01 min

Lab File: VW008039.D

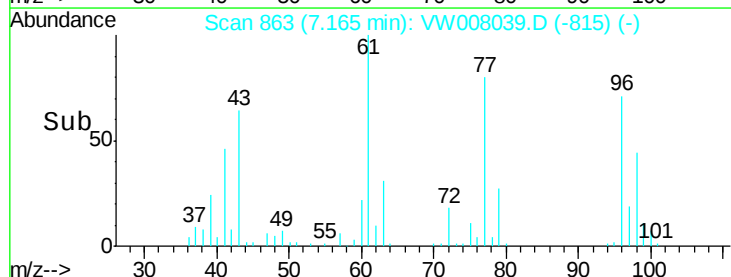
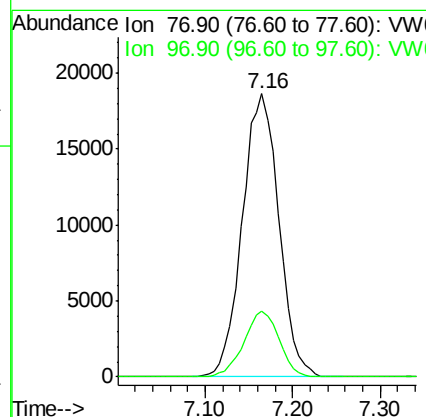
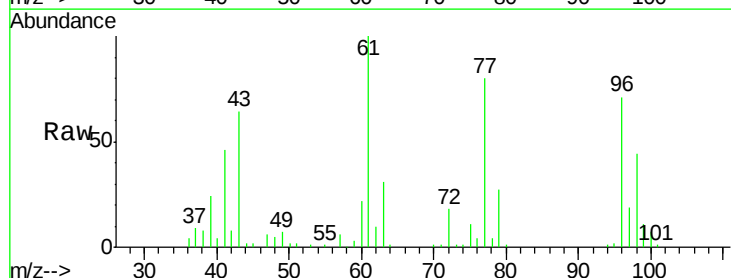
Acq: 04 Jan 2019 11:06

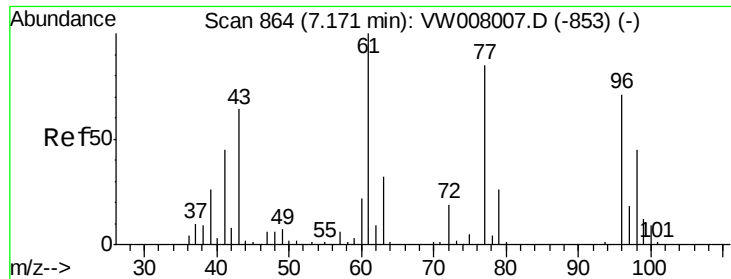
Tgt Ion: 77 Resp: 54103

Ion Ratio Lower Upper

77 100

97 22.5 11.0 33.0





#27

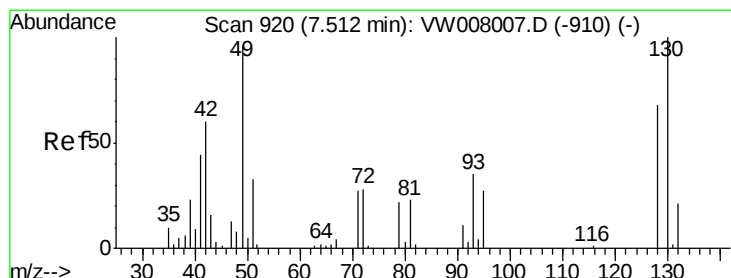
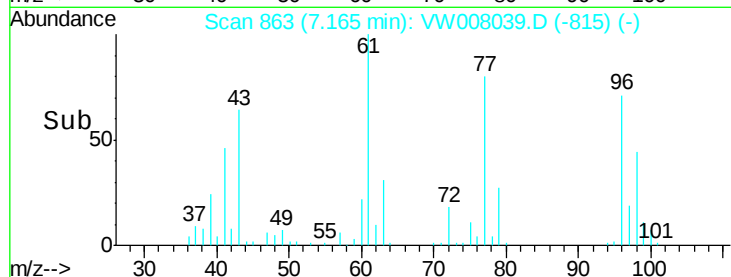
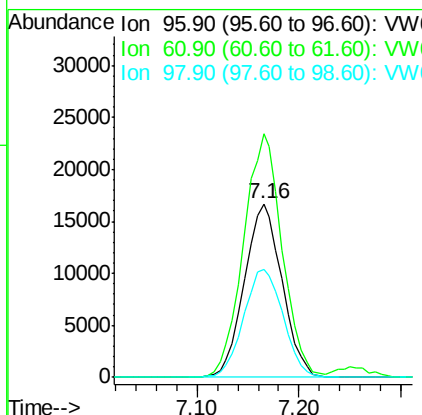
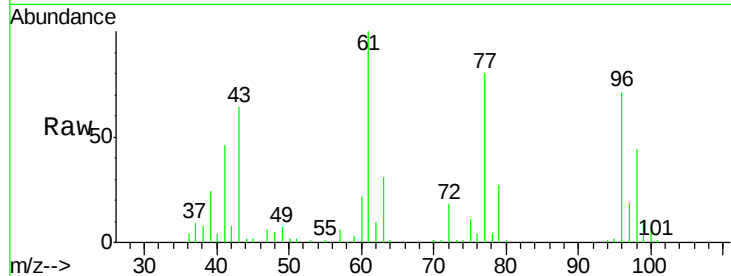
cis-1,2-Dichloroethene
Concen: 46.669 ug/l
RT: 7.16 min Scan# 863
Delta R.T. -0.01 min
Lab File: VW008039.D
Acq: 04 Jan 2019 11:06

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
96	100		
61	143.7	0.0	286.4
98	65.1	0.0	130.6

Manual Integrations
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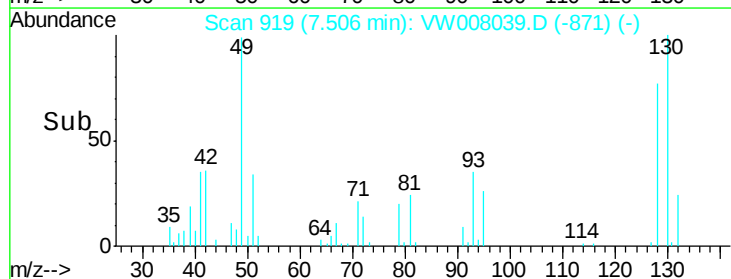
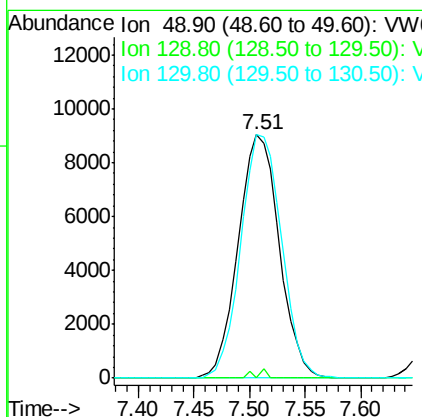
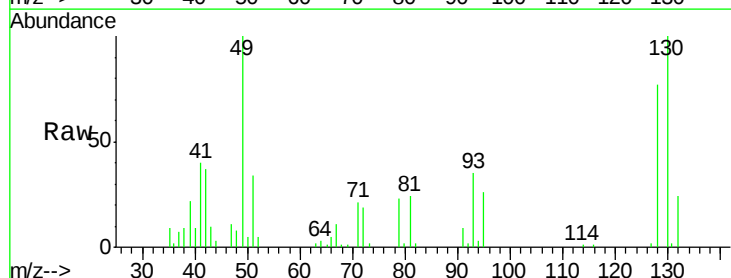
MMDadoda
1/7/2019 1:22:41 PM

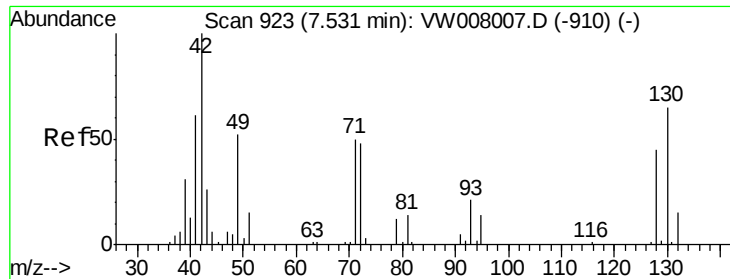


#28

Bromochloromethane
Concen: 50.388 ug/l
RT: 7.51 min Scan# 919
Delta R.T. -0.01 min
Lab File: VW008039.D
Acq: 04 Jan 2019 11:06

Tgt Ion	Ratio	Lower	Upper
49	100		
129	0.4	0.0	0.8
130	99.4	78.5	117.7





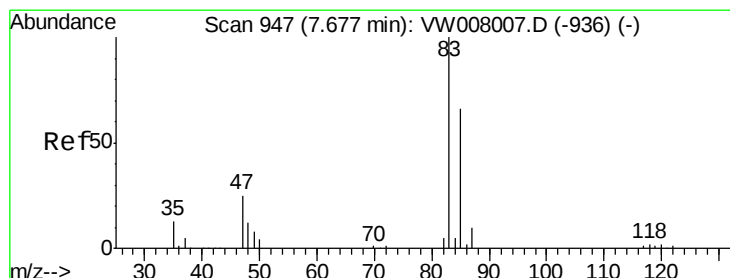
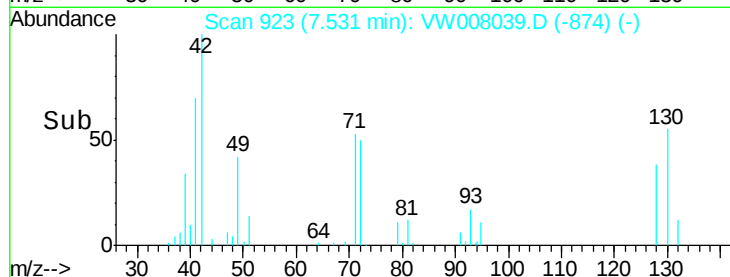
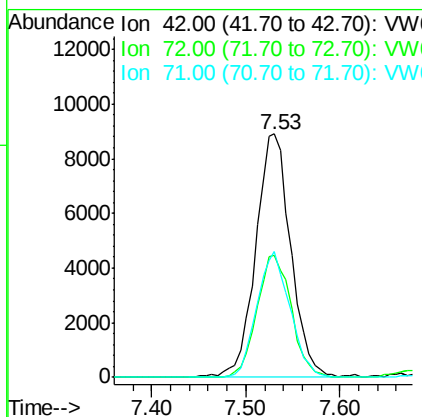
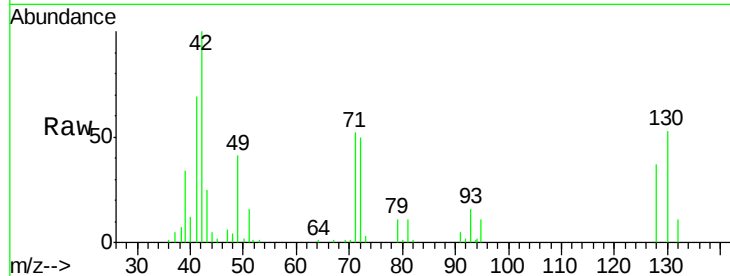
#29
Tetrahydrofuran
Concen: 234.633 ug/l
RT: 7.53 min Scan# 923
Delta R.T. 0.00 min
Lab File: VW008039.D
Acq: 04 Jan 2019 11:06

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
42	100		
72	49.3	39.0	58.6
71	49.1	39.1	58.7

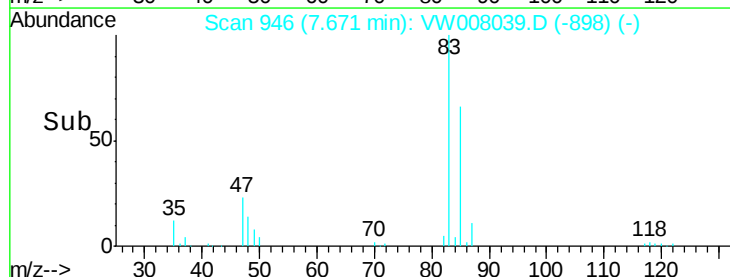
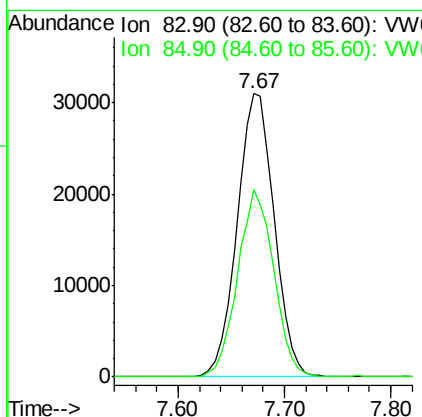
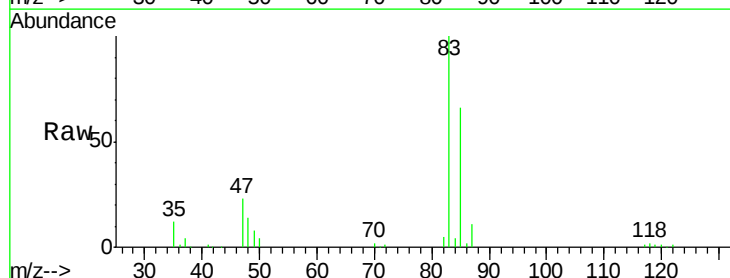
Manual Integrations
APPROVED

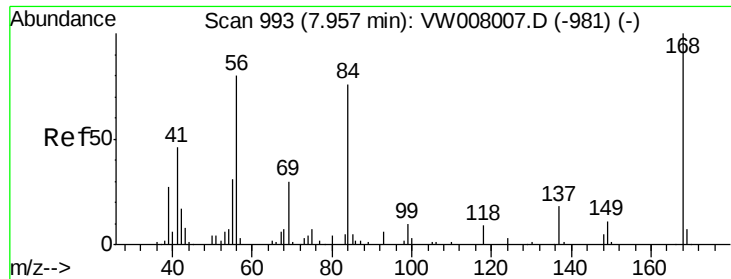
MMDadoda
1/7/2019 1:22:41 PM



#30
Chloroform
Concen: 47.257 ug/l
RT: 7.67 min Scan# 946
Delta R.T. -0.01 min
Lab File: VW008039.D
Acq: 04 Jan 2019 11:06

Tgt Ion	Ratio	Lower	Upper
83	100		
85	66.2	52.7	79.1





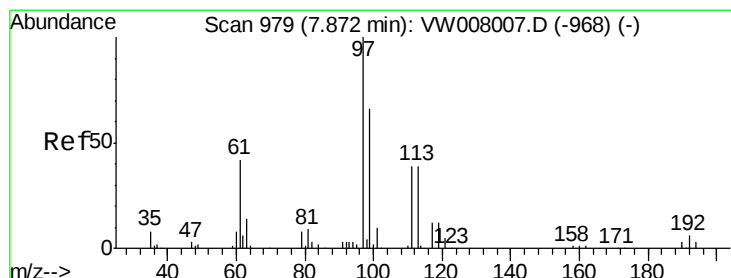
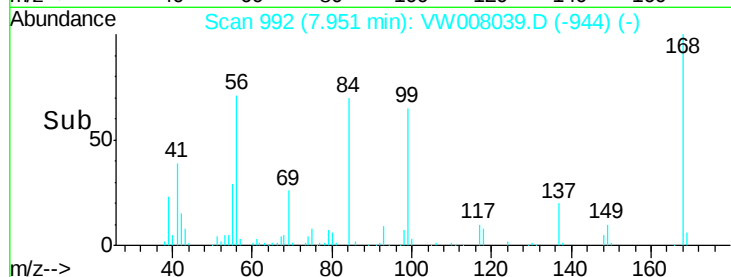
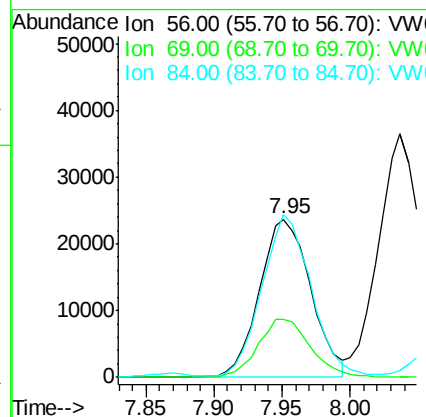
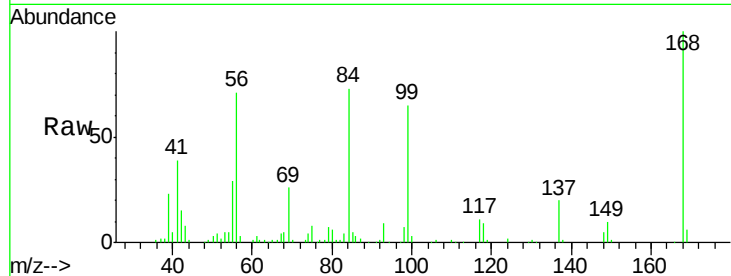
#31
Cyclohexane
Concen: 46.804 ug/l
RT: 7.95 min Scan# 992
Delta R.T. -0.01 min
Lab File: VW008039.D
Acq: 04 Jan 2019 11:06

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
56	100		
69	37.1	29.8	44.6
84	101.6	75.2	112.8

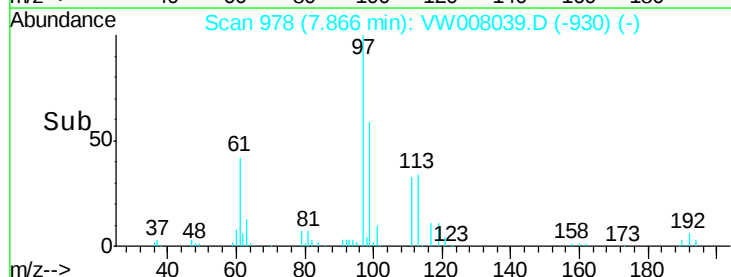
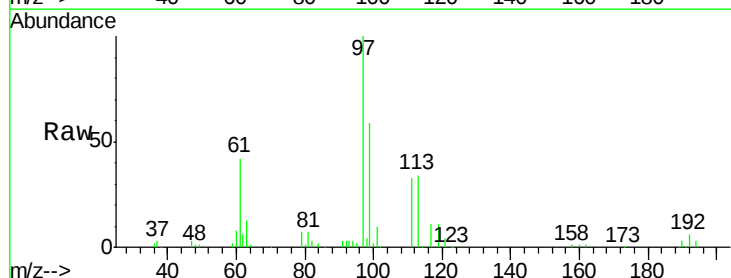
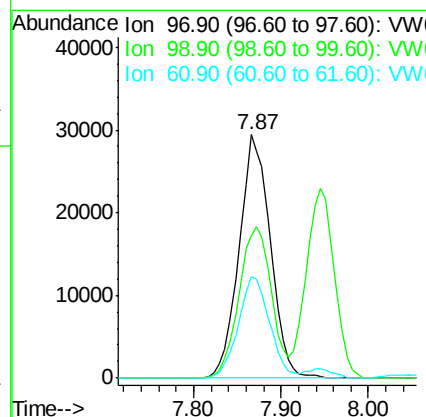
Manual Integrations
APPROVED

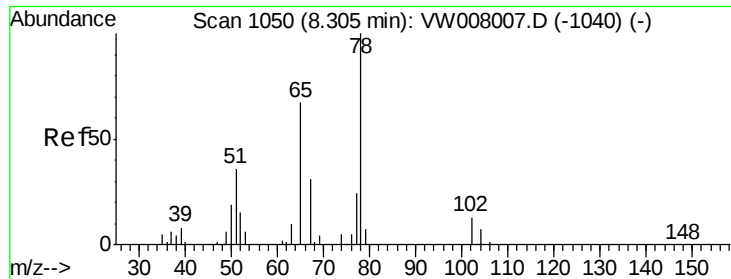
MMDadoda
1/7/2019 1:22:41 PM



#32
1,1,1-Trichloroethane
Concen: 47.627 ug/l
RT: 7.87 min Scan# 978
Delta R.T. -0.01 min
Lab File: VW008039.D
Acq: 04 Jan 2019 11:06

Tgt Ion	Ratio	Lower	Upper
97	100		
99	64.8	51.5	77.3
61	41.8	33.4	50.0





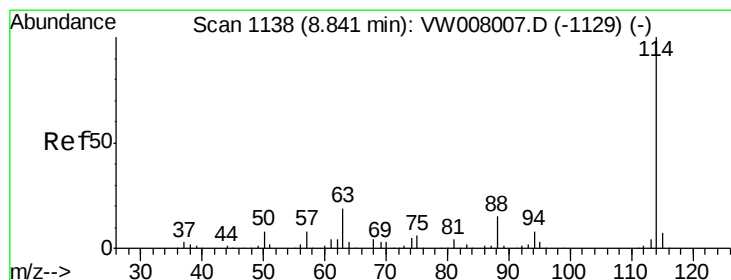
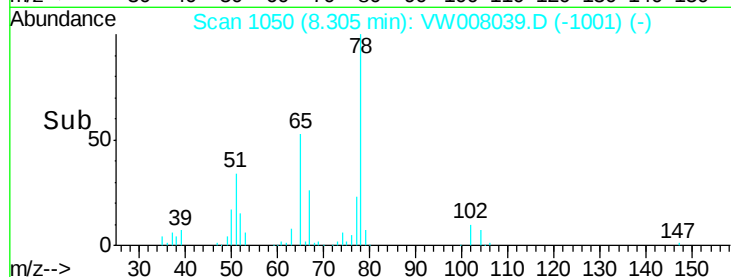
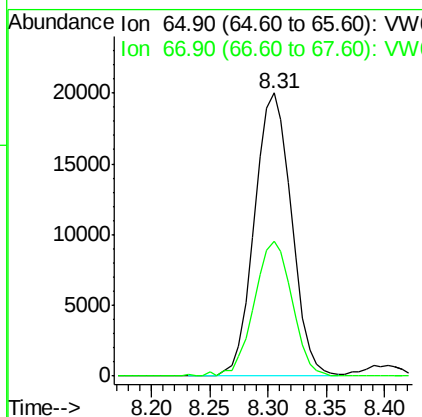
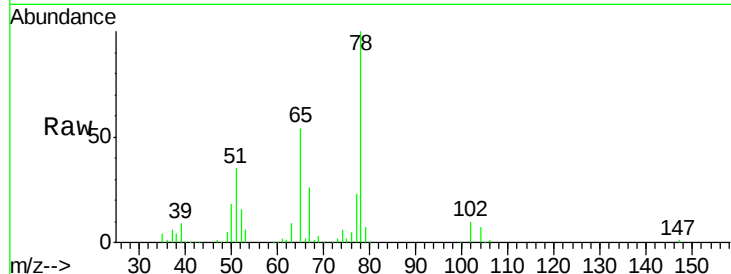
#33
 1,2-Dichloroethane-d4
 Concen: 50.430 ug/l
 RT: 8.31 min Scan# 1050
 Delta R.T. 0.00 min
 Lab File: VW008039.D
 Acq: 04 Jan 2019 11:06

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
65	100	43995		
67	48.8	0.0	94.8	

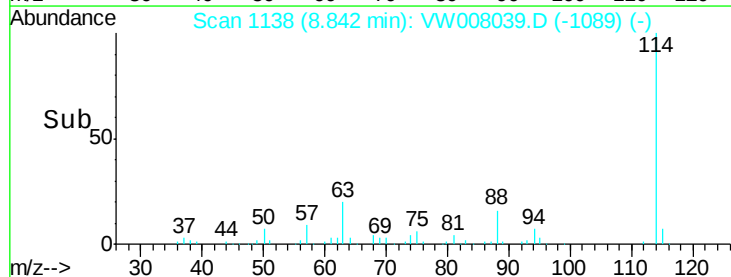
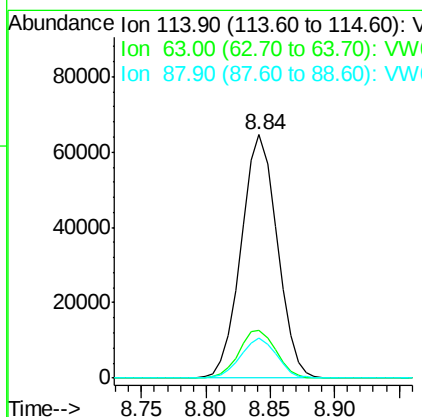
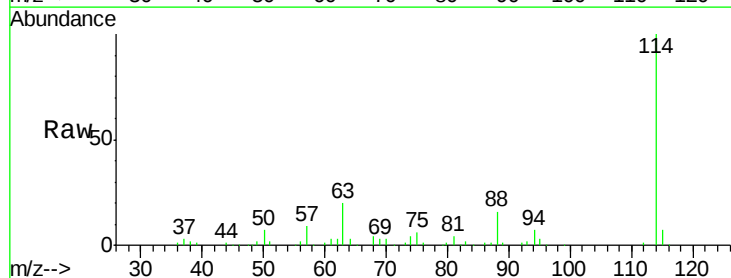
Manual Integrations
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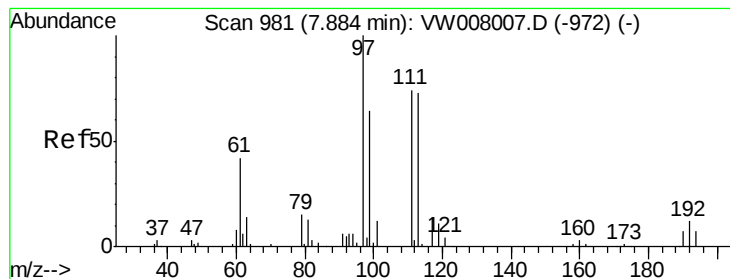
MMDadoda
 1/7/2019 1:22:41 PM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1138
 Delta R.T. 0.00 min
 Lab File: VW008039.D
 Acq: 04 Jan 2019 11:06

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	125250		
63	19.6	0.0	37.8	
88	16.3	0.0	31.0	





#35

Dibromofluoromethane

Concen: 49.899 ug/l

RT: 7.88 min Scan# 981

Delta R.T. 0.00 min

Lab File: VW008039.D

Acq: 04 Jan 2019 11:06

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

Tot Ion:113 Resp: 39399

Ion Ratio Lower Upper

113 100

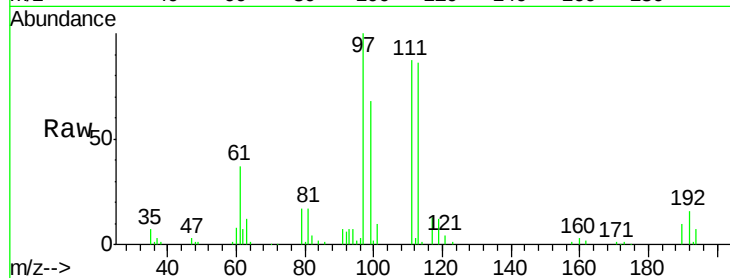
111 101.9 81.4 122.0

192 18.4 14.8 22.2

Manual Integrations
APPROVED

MMDadoda

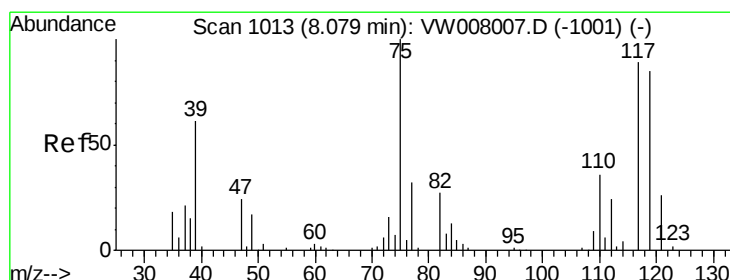
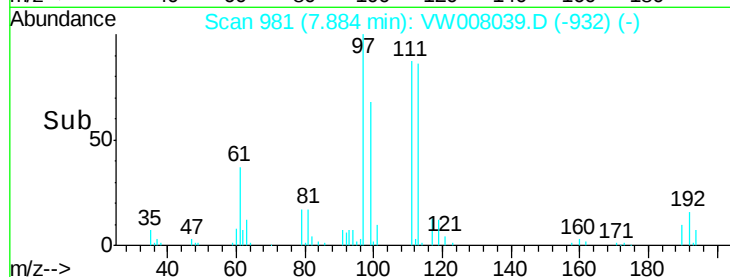
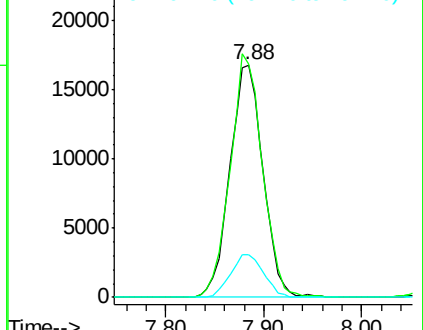
1/7/2019 1:22:41 PM



Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V



#36

1,1-Dichloropropene

Concen: 48.932 ug/l

RT: 8.08 min Scan# 1013

Delta R.T. 0.00 min

Lab File: VW008039.D

Acq: 04 Jan 2019 11:06

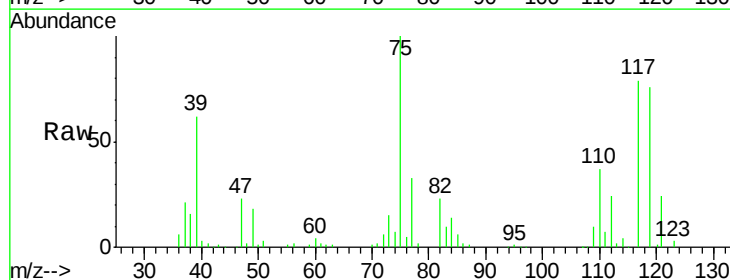
Tgt Ion: 75 Resp: 60457

Ion Ratio Lower Upper

75 100

110 36.5 18.1 54.3

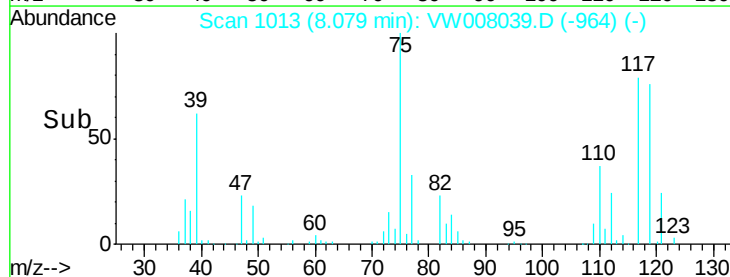
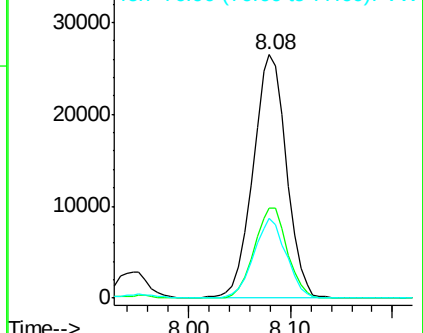
77 31.7 25.3 37.9

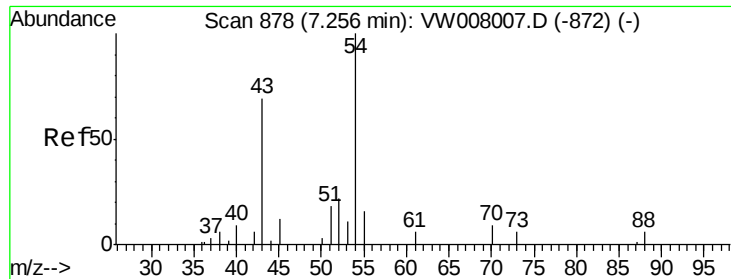


Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VW





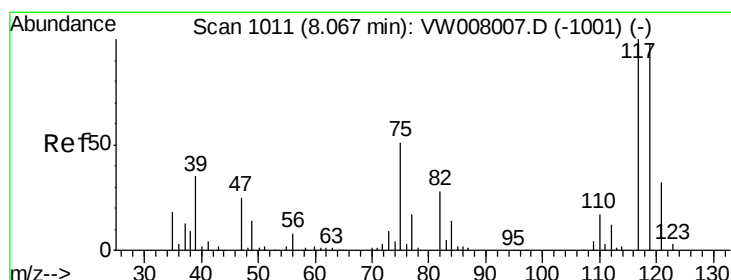
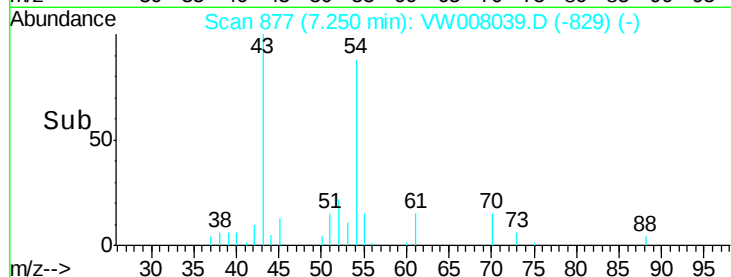
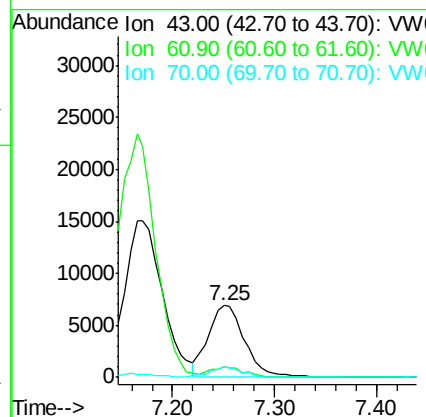
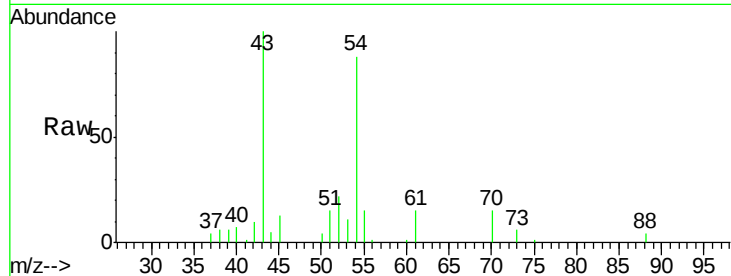
#37
Ethyl Acetate
Concen: 46.709 ug/l
RT: 7.25 min Scan# 877
Delta R.T. -0.01 min
Lab File: VW008039.D
Acq: 04 Jan 2019 11:06

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion	43	Ratio	Lower	Upper
43	100			
61	13.4	11.4	17.2	
70	13.2	9.4	14.0	

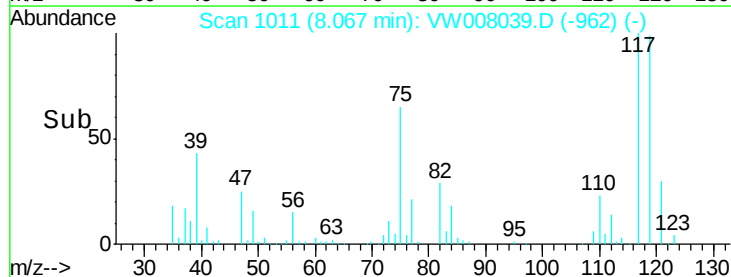
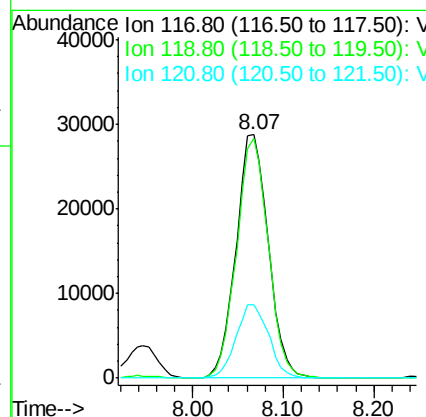
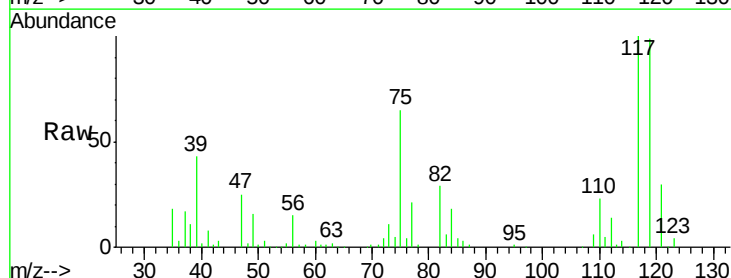
Manual Integrations
APPROVED

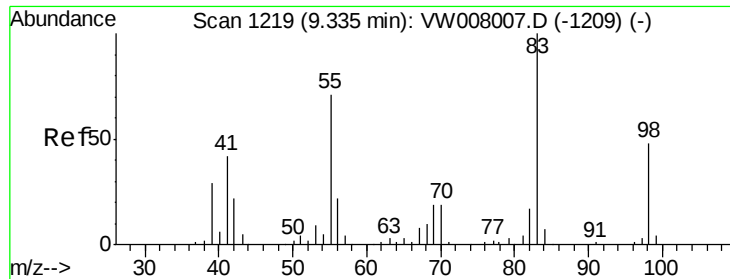
MMDadoda
1/7/2019 1:22:41 PM



#38
Carbon Tetrachloride
Concen: 48.192 ug/l
RT: 8.07 min Scan# 1011
Delta R.T. 0.00 min
Lab File: VW008039.D
Acq: 04 Jan 2019 11:06

Tgt Ion	117	Ratio	Lower	Upper
117	100			
119	98.6	78.7	118.1	
121	30.3	25.8	38.8	





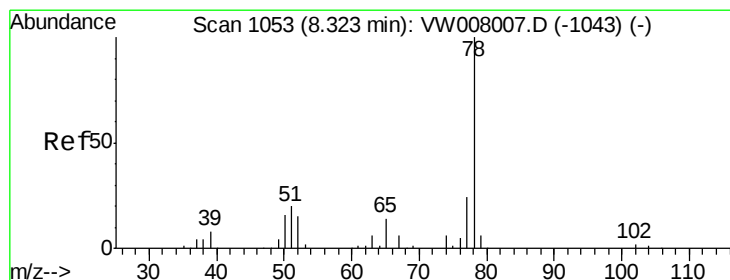
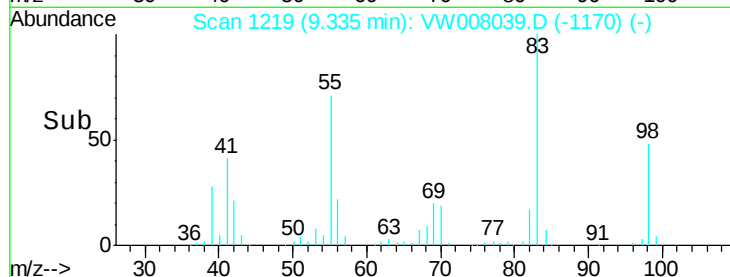
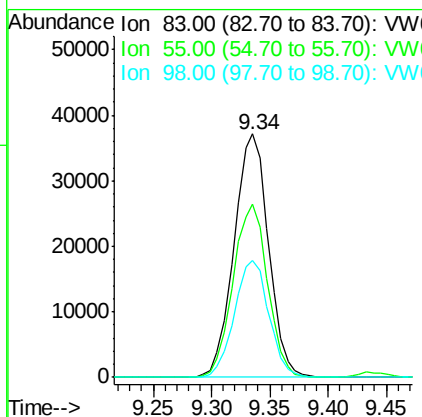
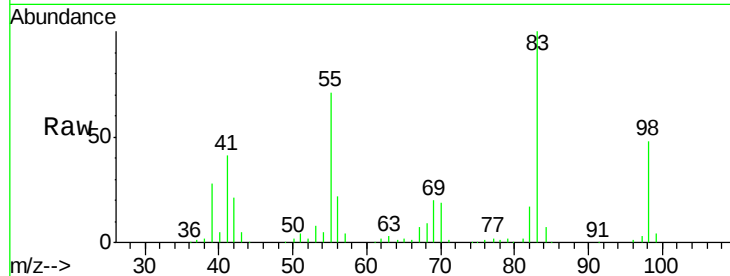
#39
Methvlcvclohexane
Concen: 49.629 ug/l
RT: 9.34 min Scan# 1219
Delta R.T. 0.00 min
Lab File: VW008039.D
Acq: 04 Jan 2019 11:06

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
83	100		
55	71.2	56.8	85.2
98	48.1	38.6	58.0

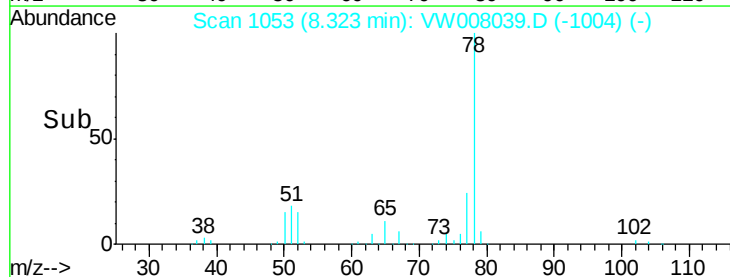
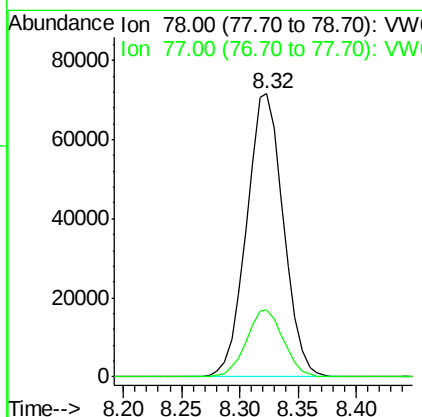
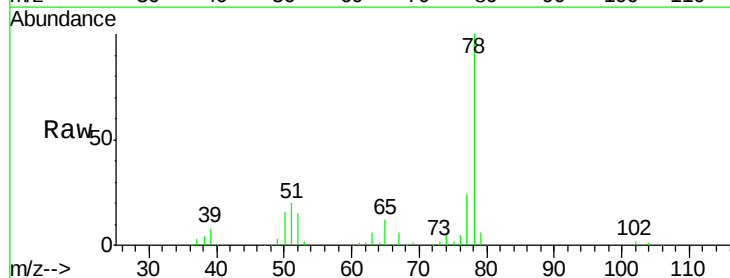
Manual Integrations
APPROVED

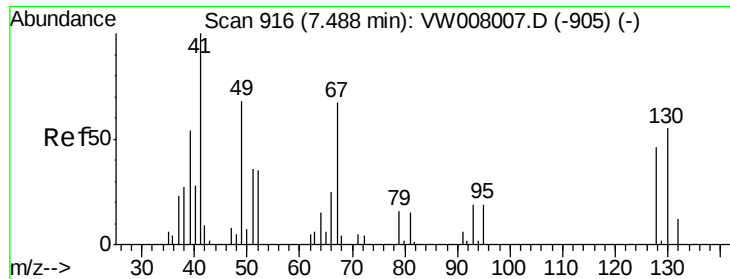
MMDadoda
1/7/2019 1:22:41 PM



#40
Benzene
Concen: 48.472 ug/l
RT: 8.32 min Scan# 1053
Delta R.T. 0.00 min
Lab File: VW008039.D
Acq: 04 Jan 2019 11:06

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.9	19.0	28.6





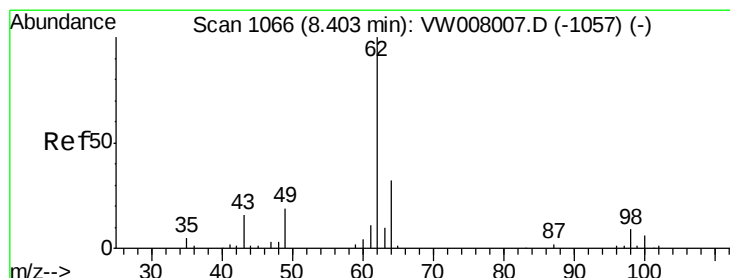
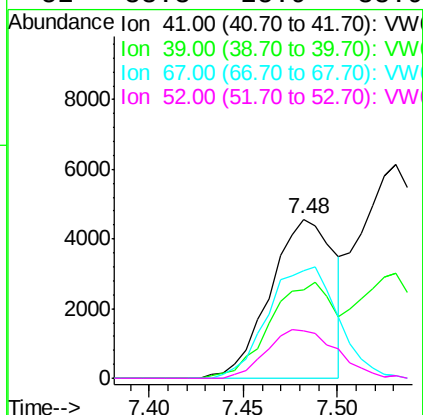
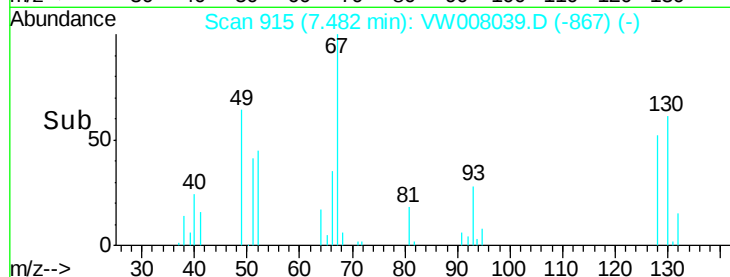
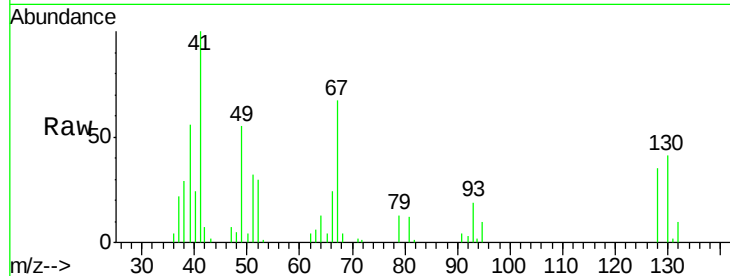
#41
Methacrylonitrile
Concen: 49.320 ug/l
RT: 7.48 min Scan# 915
Delta R.T. -0.01 min
Lab File: VW008039.D
Acq: 04 Jan 2019 11:06

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion:	41	Resp:	10762
Ion	Ratio	Lower	Upper
41	100		
39	59.8	48.6	72.8
67	76.6	55.6	83.4
52	33.3	25.9	38.9

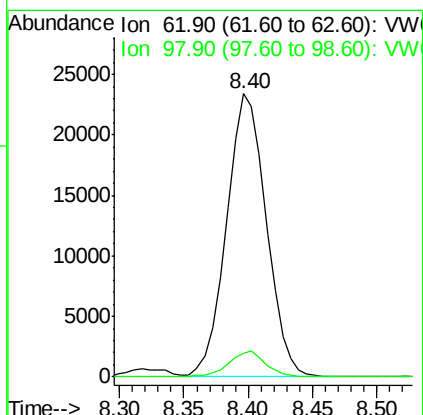
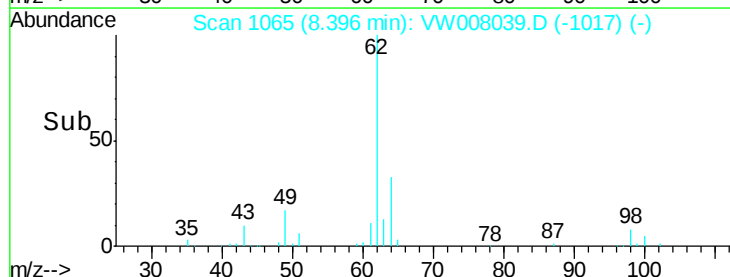
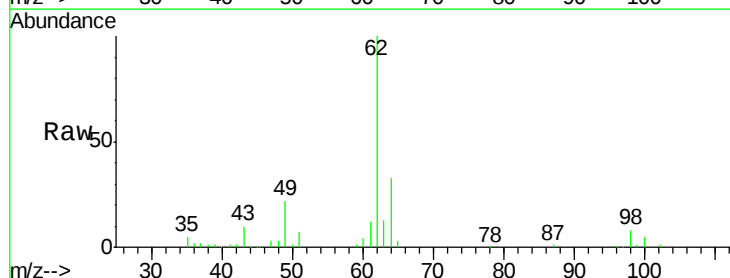
Manual Integrations
APPROVED

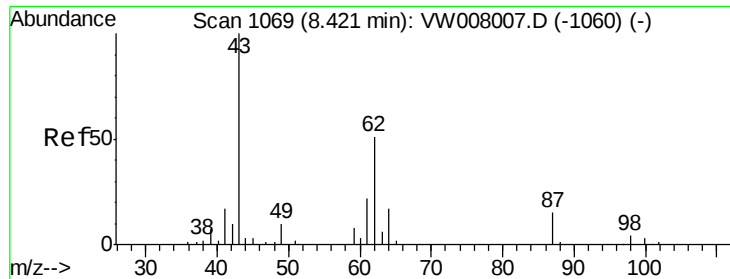
MMDadoda
1/7/2019 1:22:41 PM



#42
1,2-Dichloroethane
Concen: 46.312 ug/l
RT: 8.40 min Scan# 1065
Delta R.T. -0.01 min
Lab File: VW008039.D
Acq: 04 Jan 2019 11:06

Tgt Ion:	62	Resp:	50295
Ion	Ratio	Lower	Upper
62	100		
98	8.5	0.0	15.6





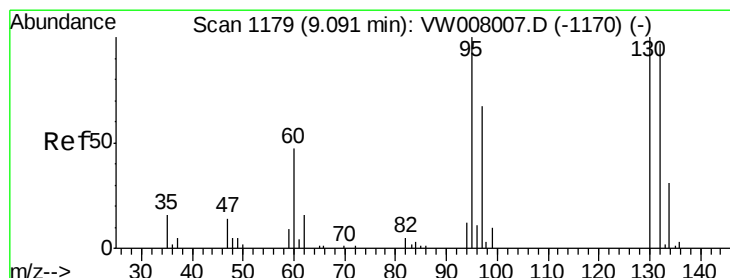
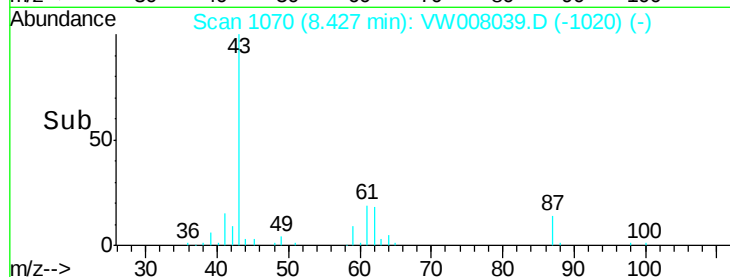
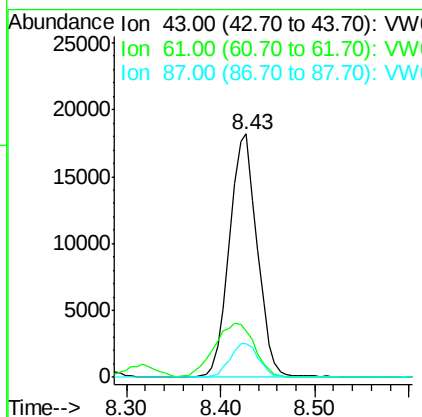
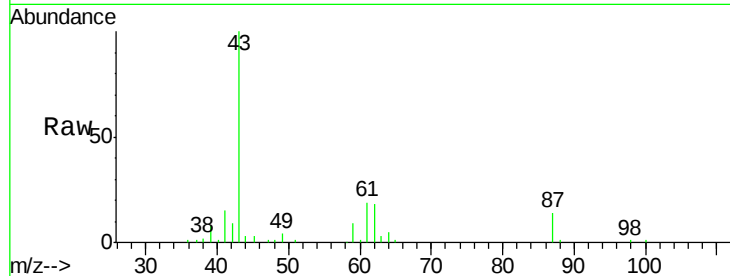
#43
Isopropyl Acetate
Concen: 50.430 ug/l
RT: 8.43 min Scan# 1070
Delta R.T. 0.01 min
Lab File: VW008039.D
Acq: 04 Jan 2019 11:06

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
43	100		
61	31.9	26.4	39.6
87	14.4	12.0	18.0

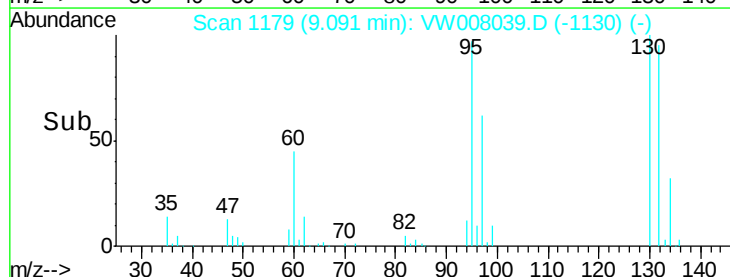
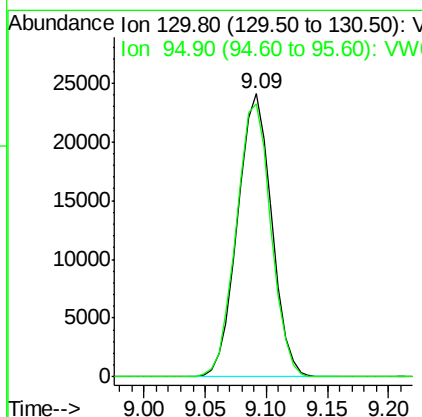
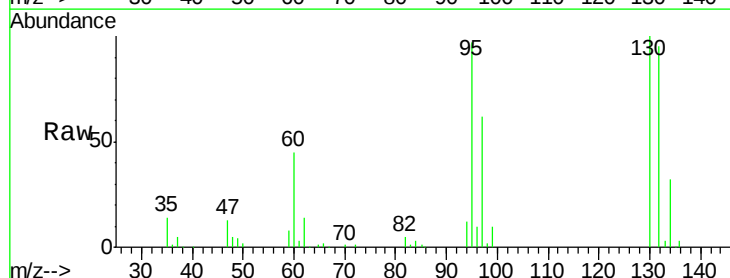
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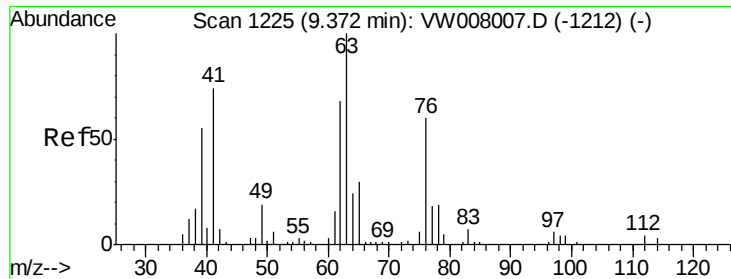
MMDadoda
1/7/2019 1:22:41 PM



#44
Trichloroethene
Concen: 48.421 ug/l
RT: 9.09 min Scan# 1179
Delta R.T. 0.00 min
Lab File: VW008039.D
Acq: 04 Jan 2019 11:06

Tgt Ion	Ratio	Lower	Upper
130	100		
95	96.7	0.0	200.0





#45

1,2-Dichloropropane

Concen: 49.096 ug/l

RT: 9.37 min Scan# 1224

Delta R.T. -0.01 min

Lab File: VW008039.D

Acq: 04 Jan 2019 11:06

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

Tot Ion: 63 Resp: 34638

Ion Ratio Lower Upper

63 100

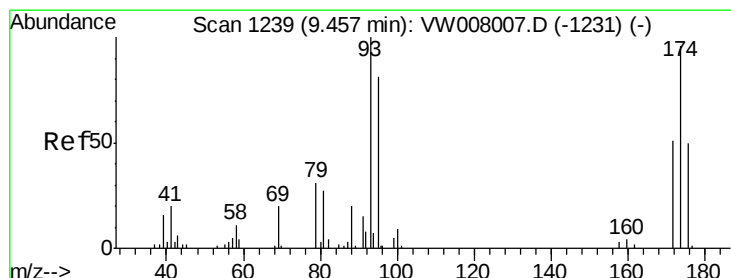
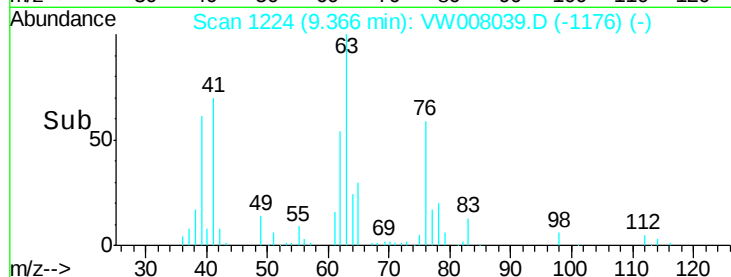
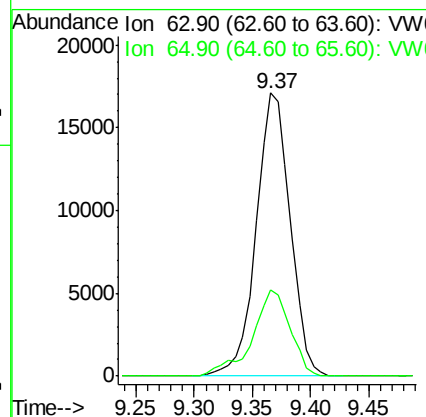
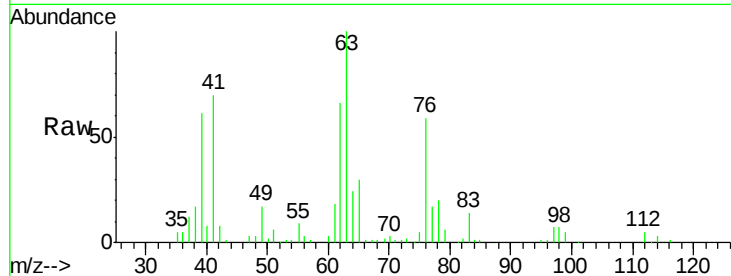
65 30.4 24.2 36.4

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#46

Dibromomethane

Concen: 47.284 ug/l

RT: 9.46 min Scan# 1239

Delta R.T. 0.00 min

Lab File: VW008039.D

Acq: 04 Jan 2019 11:06

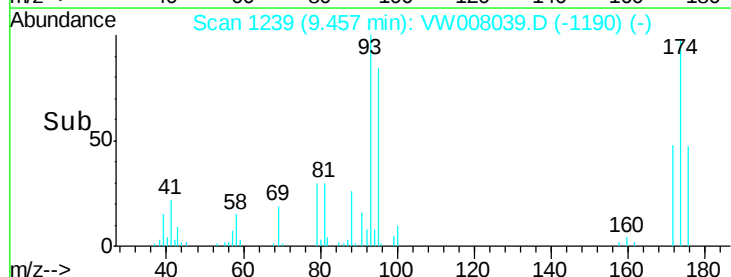
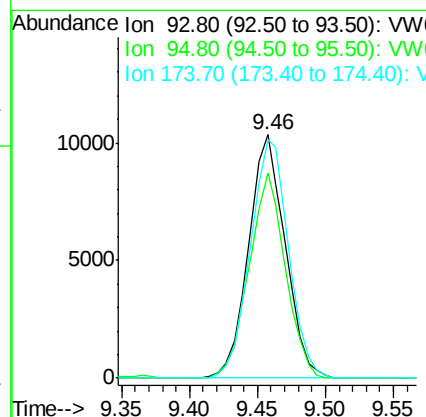
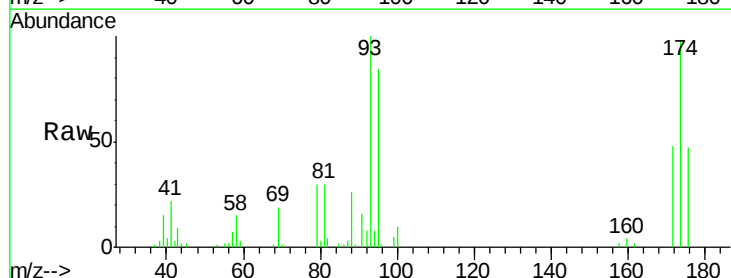
Tgt Ion: 93 Resp: 19504

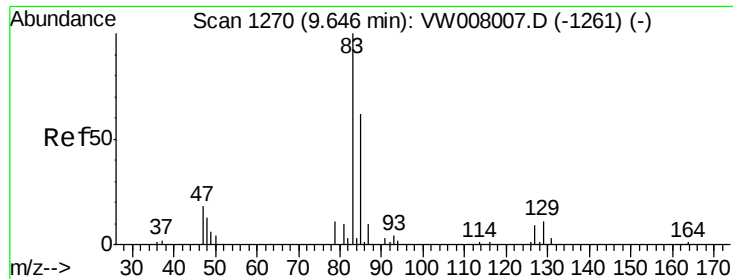
Ion Ratio Lower Upper

93 100

95 83.4 63.9 95.9

174 102.2 79.0 118.6





#47

Bromodichloromethane

Concen: 47.891 ug/l

RT: 9.64 min Scan# 1269

Delta R.T. -0.01 min

Lab File: VW008039.D

Acq: 04 Jan 2019 11:06

Instrument :

MSVOA_W

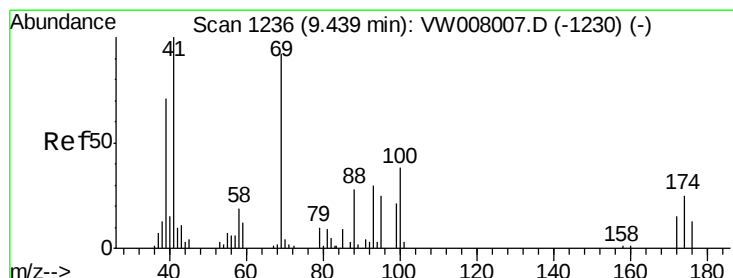
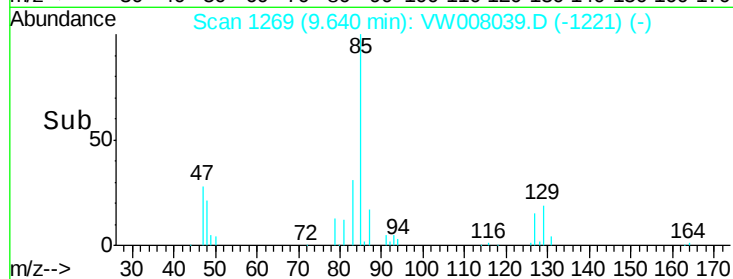
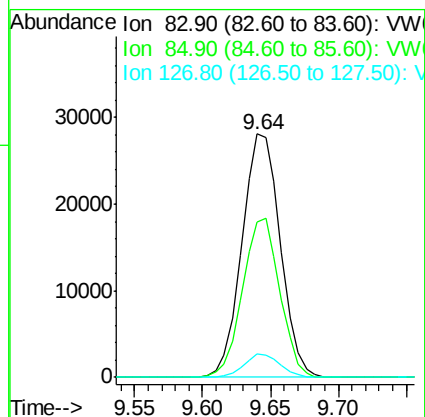
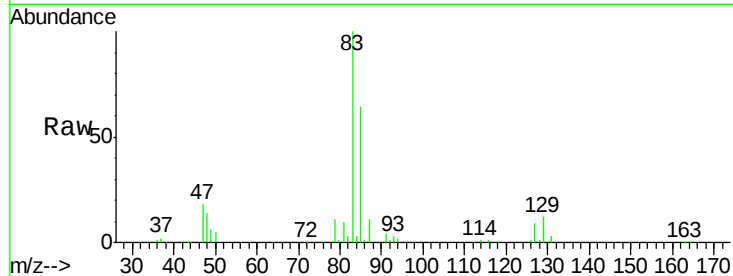
ClientSampleId :

VSTDCCC050

Tot Ion:	83	Resp:	55330
Ion Ratio	Lower	Upper	
83	100		
85	63.6	49.5	74.3
127	9.4	7.5	11.3

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#48

Methyl methacrylate

Concen: 53.459 ug/l

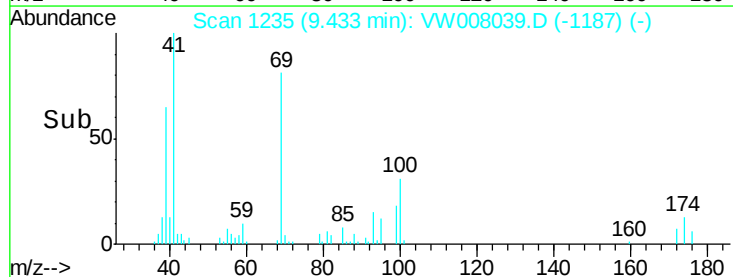
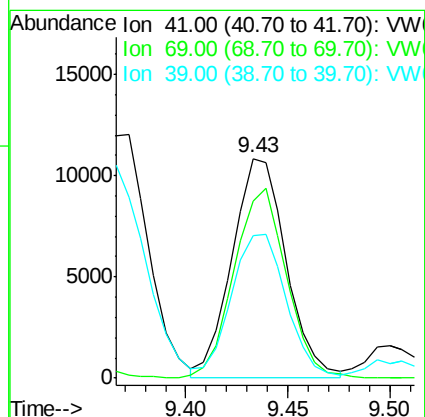
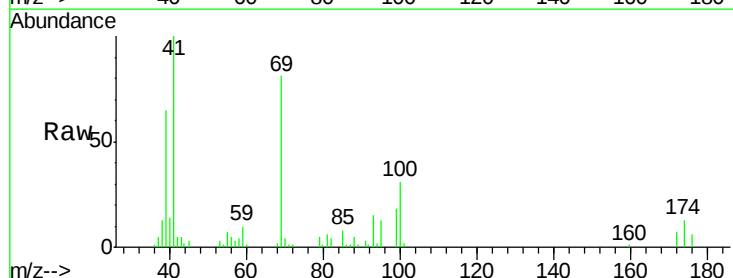
RT: 9.43 min Scan# 1235

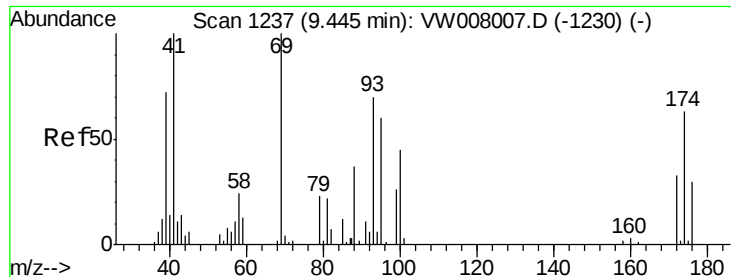
Delta R.T. -0.01 min

Lab File: VW008039.D

Acq: 04 Jan 2019 11:06

Tgt Ion:	41	Resp:	19988
Ion Ratio	Lower	Upper	
41	100		
69	83.6	72.3	108.5
39	63.4	58.7	88.1





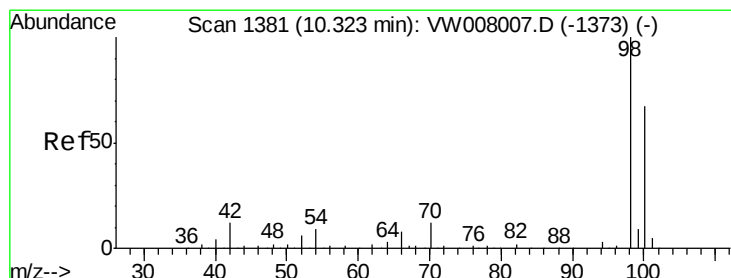
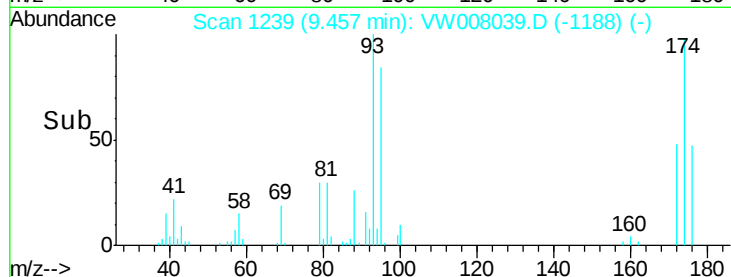
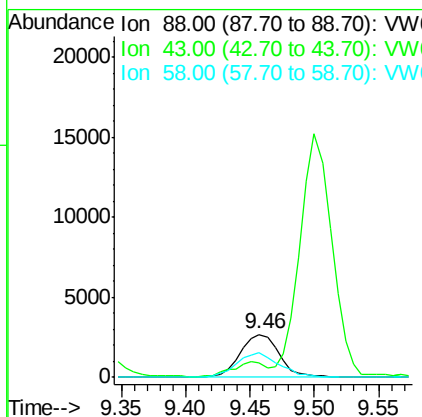
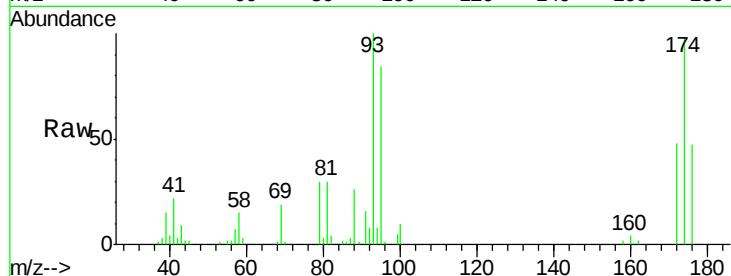
#49
1,4-Dioxane
Concen: 923.127 ug/l
RT: 9.46 min Scan# 1239
Delta R.T. 0.01 min
Lab File: VW008039.D
Acq: 04 Jan 2019 11:06

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
88	100		
43	31.4	26.8	40.2
58	62.3	55.8	83.6

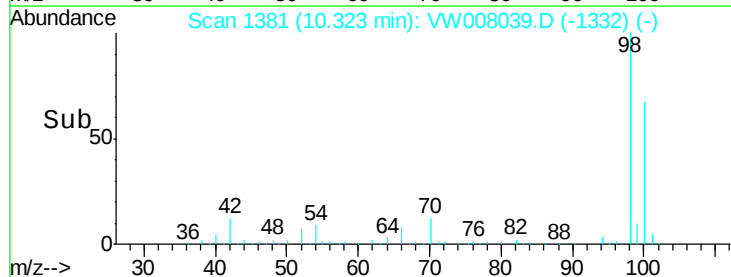
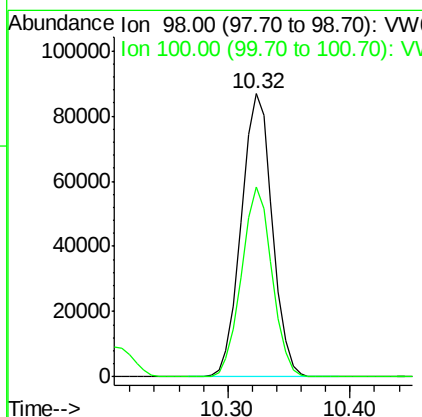
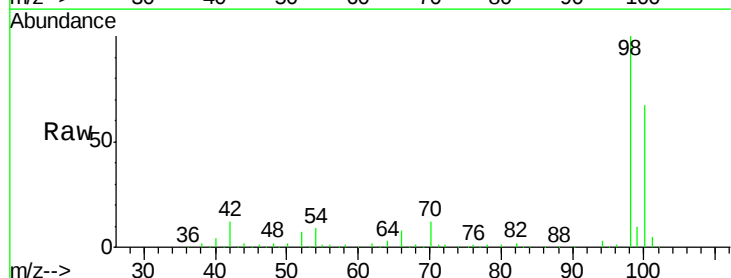
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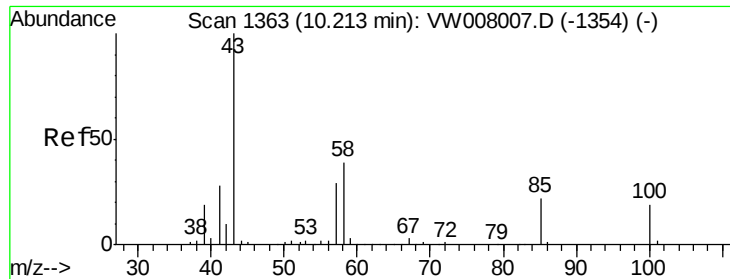
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#50
Toluene-d8
Concen: 51.591 ug/l
RT: 10.32 min Scan# 1381
Delta R.T. 0.00 min
Lab File: VW008039.D
Acq: 04 Jan 2019 11:06

Tgt Ion	Ratio	Lower	Upper
98	100		
100	65.8	52.9	79.3





#51

4-Methyl-2-Pentanone

Concen: 241.320 ug/l

RT: 10.21 min Scan# 1363

Delta R.T. 0.00 min

Lab File: VW008039.D

Acq: 04 Jan 2019 11:06

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 82834

Ion Ratio Lower Upper

43 100

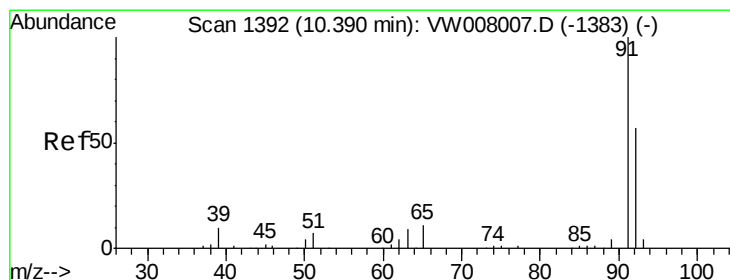
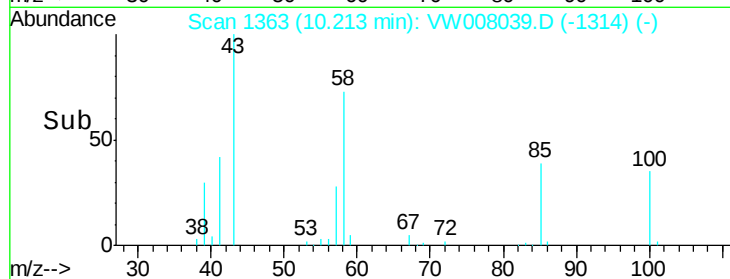
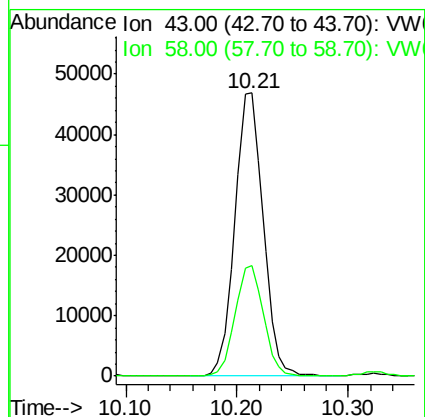
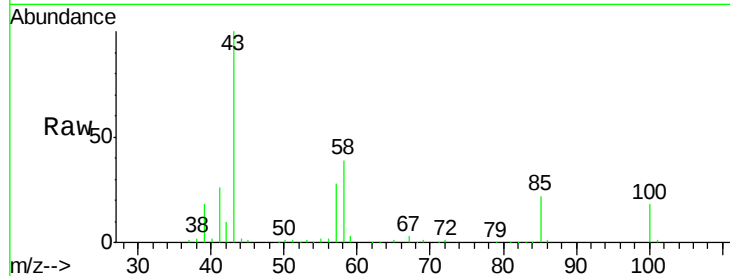
58 39.0 32.0 48.0

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#52

Toluene

Concen: 49.311 ug/l

RT: 10.39 min Scan# 1392

Delta R.T. 0.00 min

Lab File: VW008039.D

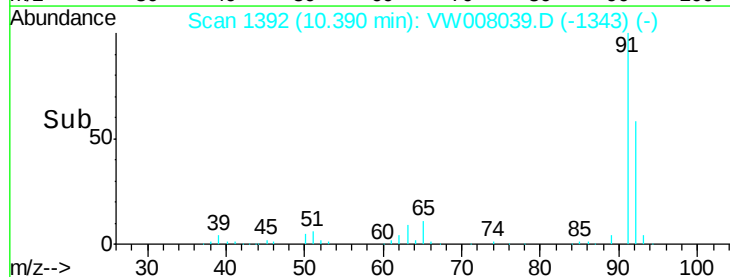
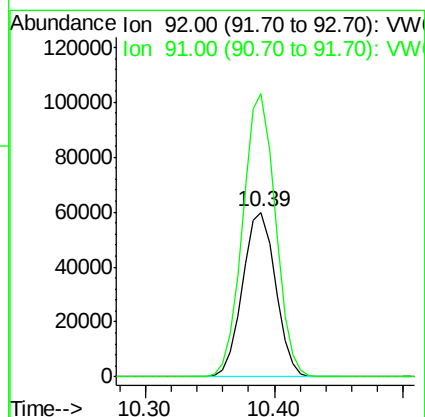
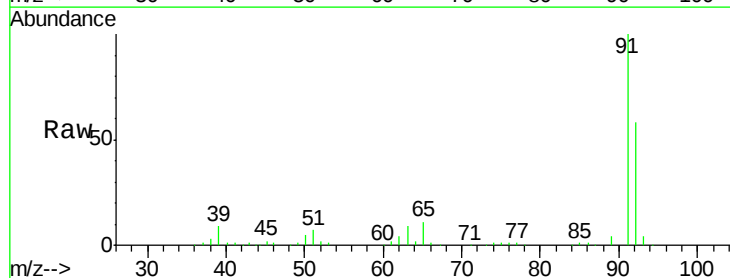
Acq: 04 Jan 2019 11:06

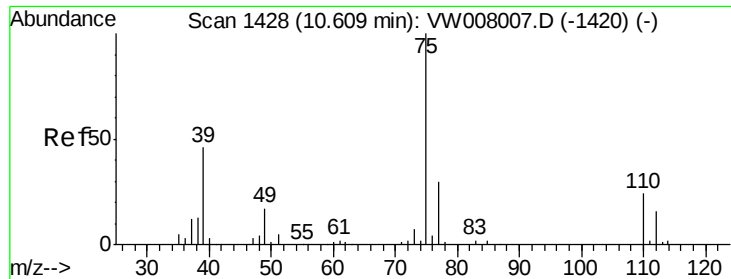
Tgt Ion: 92 Resp: 106108

Ion Ratio Lower Upper

92 100

91 170.1 136.9 205.3





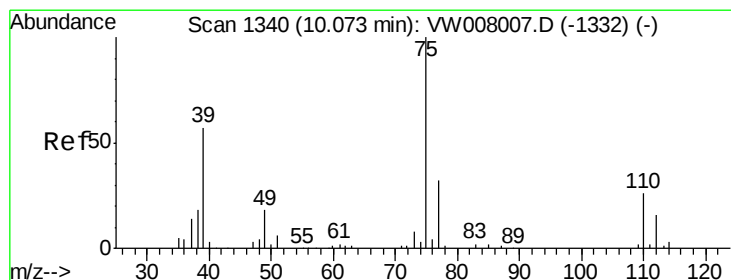
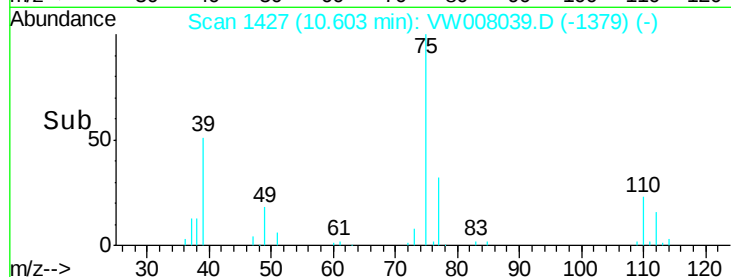
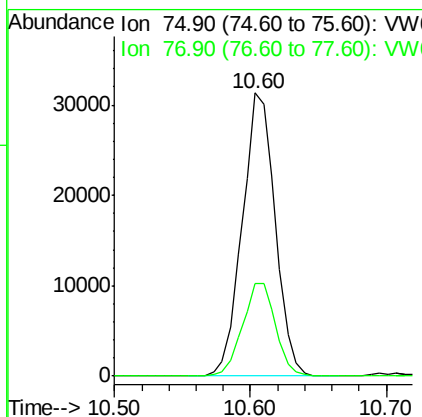
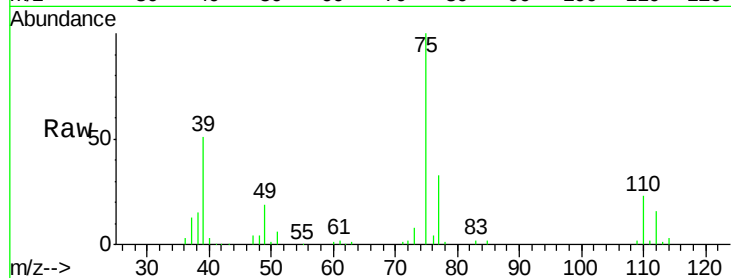
#53
 t-1,3-Dichloropropene
 Concen: 47.723 ug/l
 RT: 10.60 min Scan# 1427
 Delta R.T. -0.01 min
 Lab File: VW008039.D
 Acq: 04 Jan 2019 11:06

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

Tot Ion: 75 Resp: 53018
 Ion Ratio Lower Upper
 75 100
 77 32.6 24.0 36.0

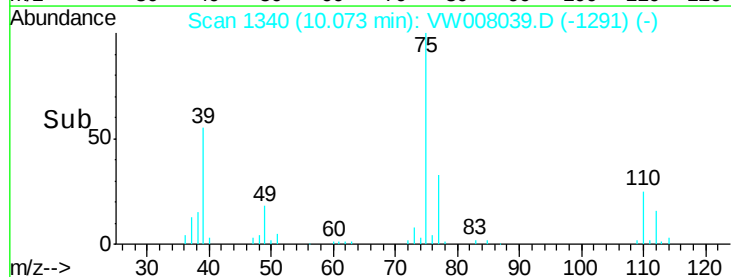
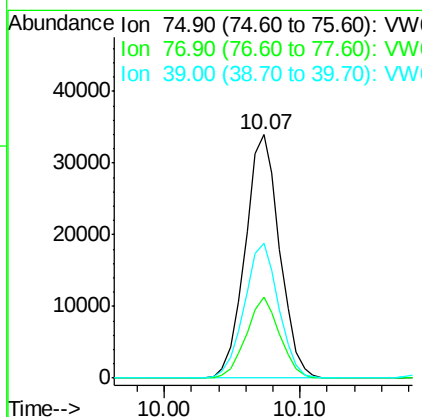
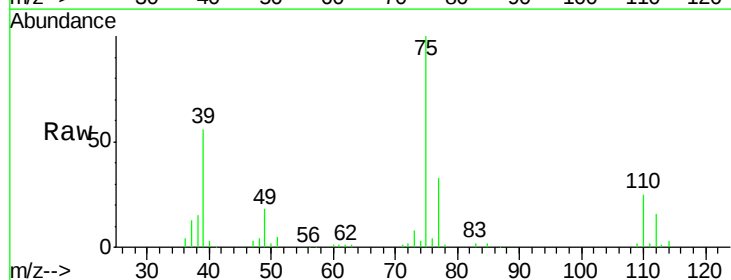
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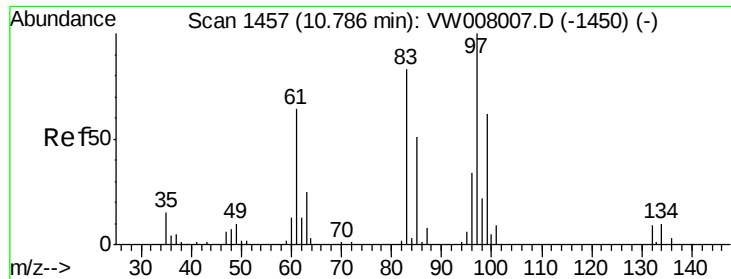
MMDadoda
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#54
 cis-1,3-Dichloropropene
 Concen: 48.411 ug/l
 RT: 10.07 min Scan# 1340
 Delta R.T. 0.00 min
 Lab File: VW008039.D
 Acq: 04 Jan 2019 11:06

Tgt Ion: 75 Resp: 60015
 Ion Ratio Lower Upper
 75 100
 77 33.3 25.9 38.9
 39 55.6 45.4 68.0





#55

1,1,2-Trichloroethane

Concen: 47.068 ug/l

RT: 10.79 min Scan# 1457

Delta R.T. 0.00 min

Lab File: VW008039.D

Acq: 04 Jan 2019 11:06

Instrument :

MSVOA_W

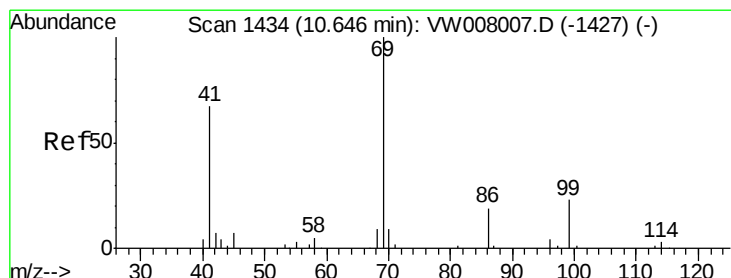
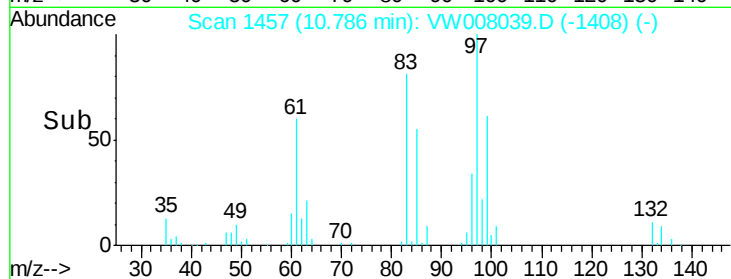
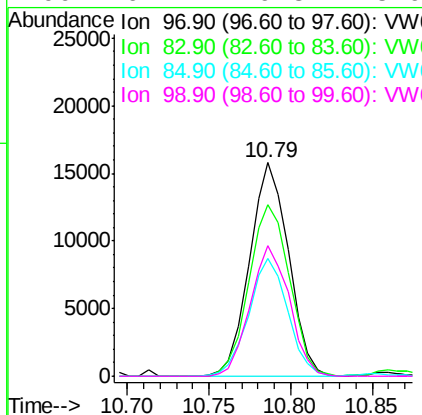
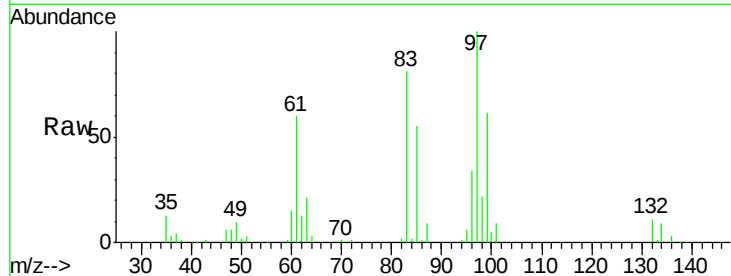
ClientSampleId :

VSTDCCC050

Tot Ion:	97	Resp:	26287
Ion	Ratio	Lower	Upper
97	100		
83	80.5	66.2	99.2
85	55.1	41.0	61.4
99	61.2	49.3	73.9

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#56

Ethyl methacrylate

Concen: 50.529 ug/l

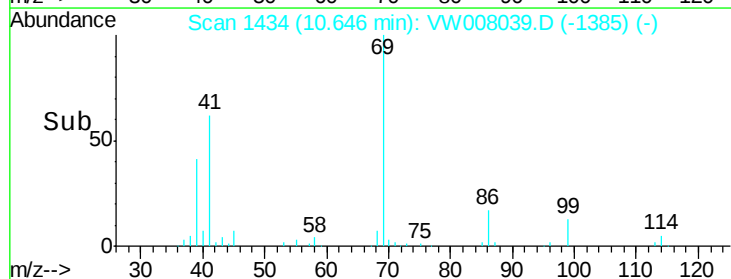
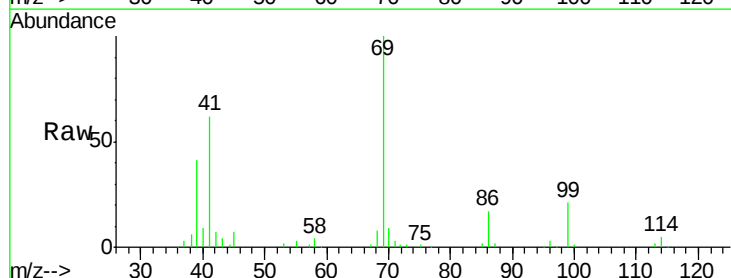
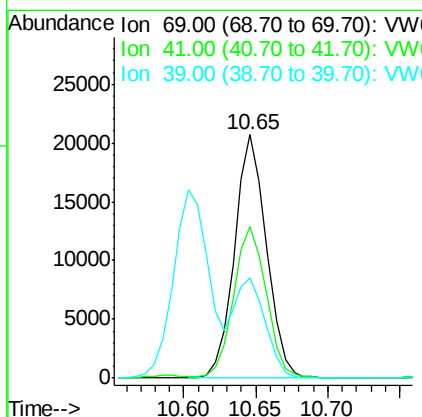
RT: 10.65 min Scan# 1434

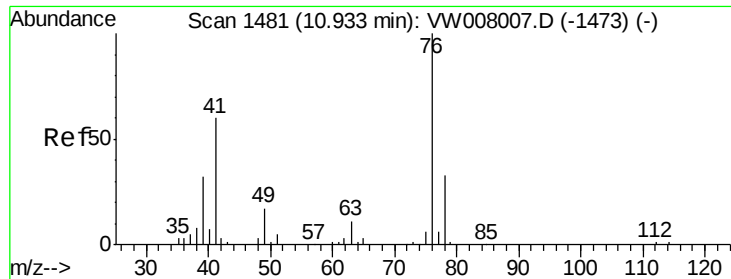
Delta R.T. 0.00 min

Lab File: VW008039.D

Acq: 04 Jan 2019 11:06

Tgt Ion:	69	Resp:	31903
Ion	Ratio	Lower	Upper
69	100		
41	64.1	52.6	79.0
39	40.8	35.8	53.6





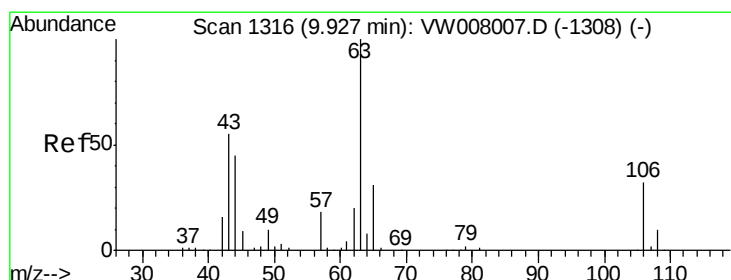
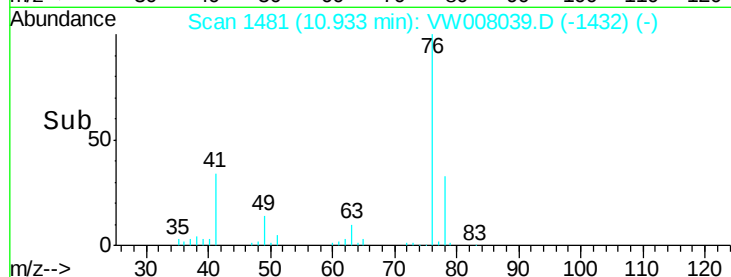
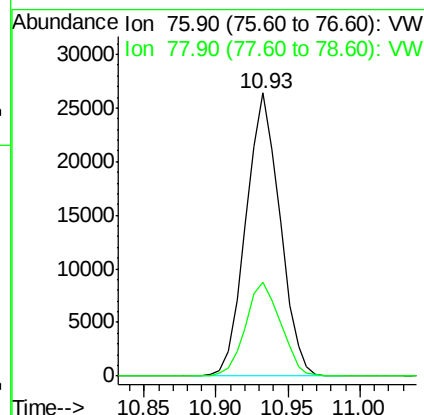
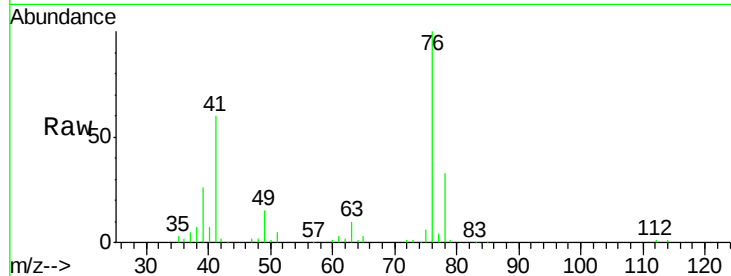
#57
 1,3-Dichloropropane
 Concen: 45.536 ug/l
 RT: 10.93 min Scan# 1481
 Delta R.T. 0.00 min
 Lab File: VW008039.D
 Acq: 04 Jan 2019 11:06

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

Tot Ion: 76 Resp: 43213
 Ion Ratio Lower Upper
 76 100
 78 34.1 26.7 40.1

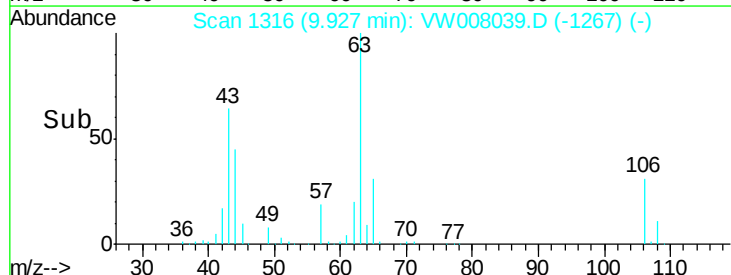
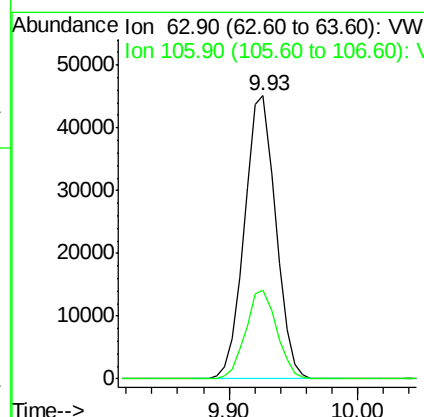
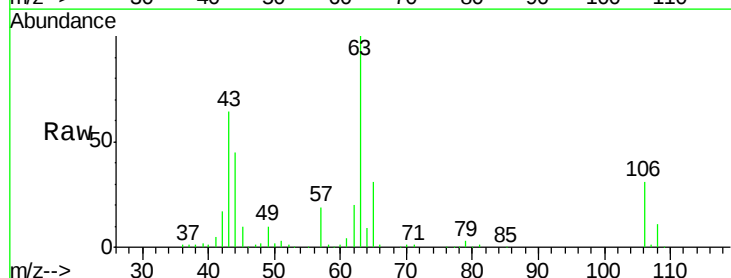
Manual Integrations
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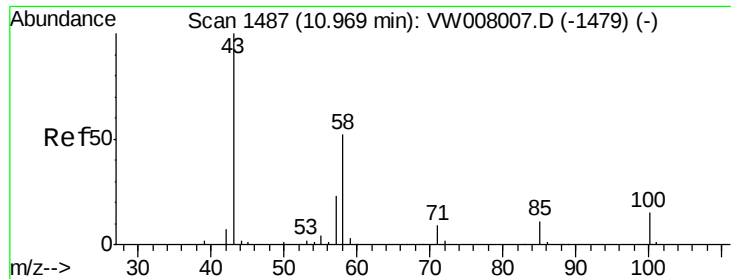
MMDadoda
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#58
 2-Chloroethyl Vinyl ether
 Concen: 252.422 ug/l
 RT: 9.93 min Scan# 1316
 Delta R.T. 0.00 min
 Lab File: VW008039.D
 Acq: 04 Jan 2019 11:06

Tgt Ion: 63 Resp: 75584
 Ion Ratio Lower Upper
 63 100
 106 31.2 26.9 40.3





#59

2-Hexanone

Concen: 255.323 ug/l

RT: 10.97 min Scan# 1487

Delta R.T. 0.00 min

Lab File: VW008039.D

Acq: 04 Jan 2019 11:06

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 60503

Ion Ratio Lower Upper

43 100

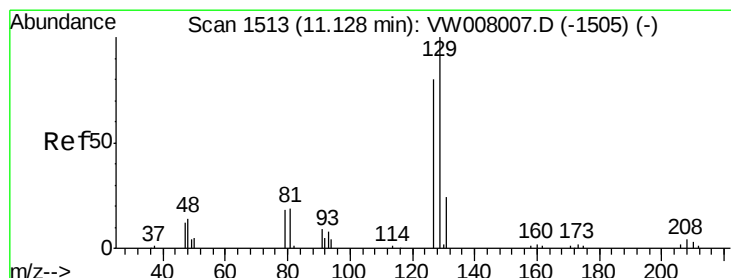
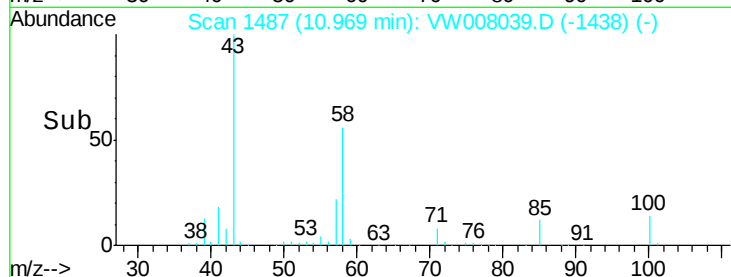
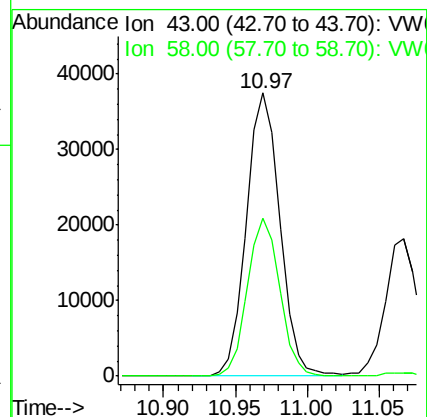
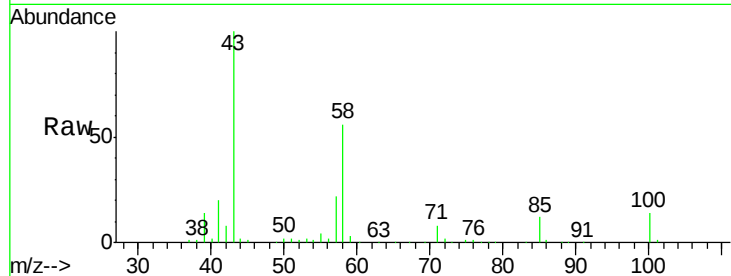
58 53.8 27.1 81.2

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#60

Dibromochloromethane

Concen: 46.544 ug/l

RT: 11.13 min Scan# 1513

Delta R.T. 0.00 min

Lab File: VW008039.D

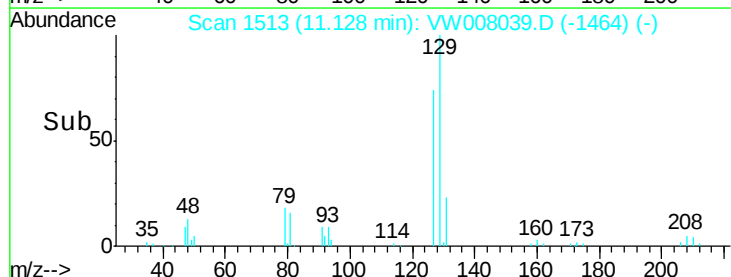
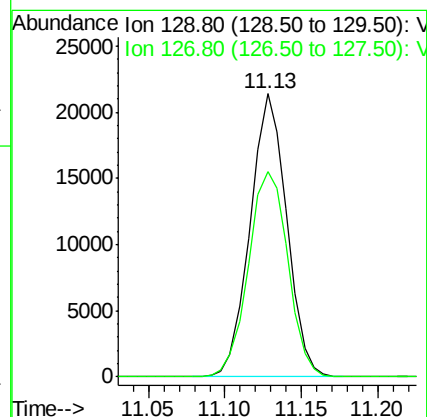
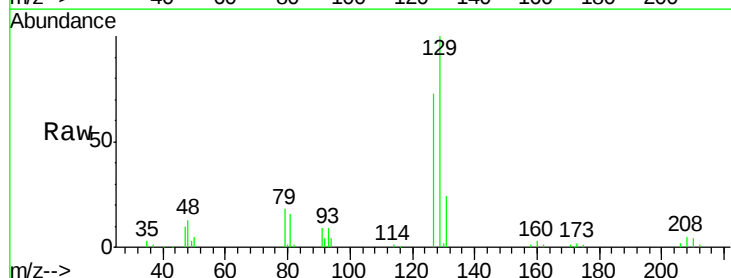
Acq: 04 Jan 2019 11:06

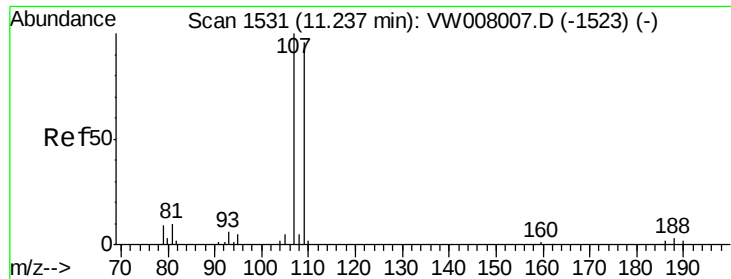
Tgt Ion: 129 Resp: 35582

Ion Ratio Lower Upper

129 100

127 78.3 38.6 116.0





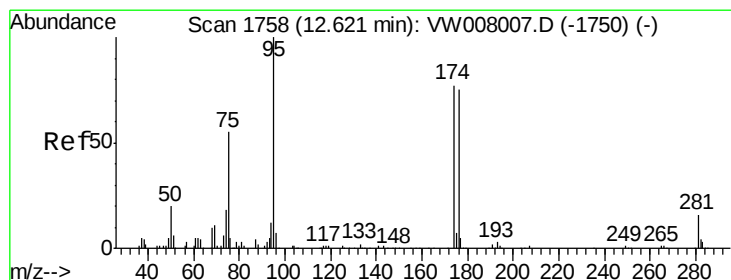
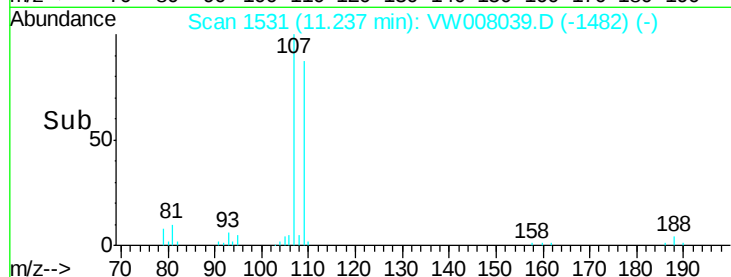
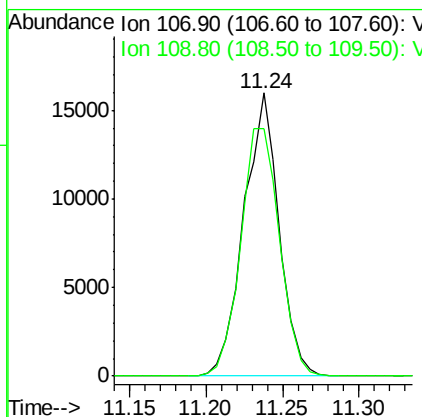
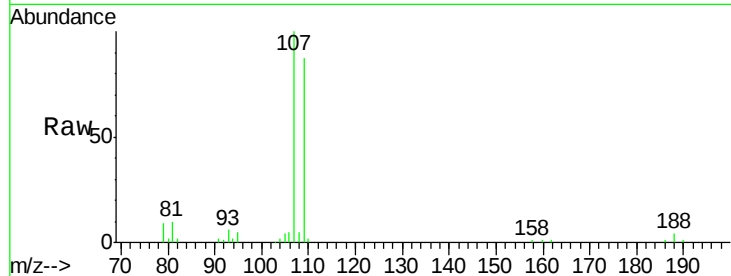
#61
 1,2-Dibromoethane
 Concen: 45.538 ug/l
 RT: 11.24 min Scan# 1531
 Delta R.T. 0.00 min
 Lab File: VW008039.D
 Acq: 04 Jan 2019 11:06

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

Tot Ion: 107 Resp: 25451
 Ion Ratio Lower Upper
 107 100
 109 96.7 77.2 115.8

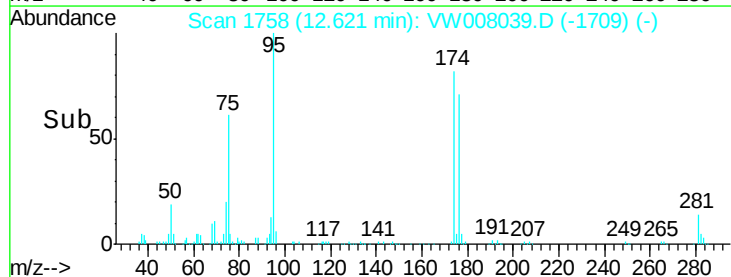
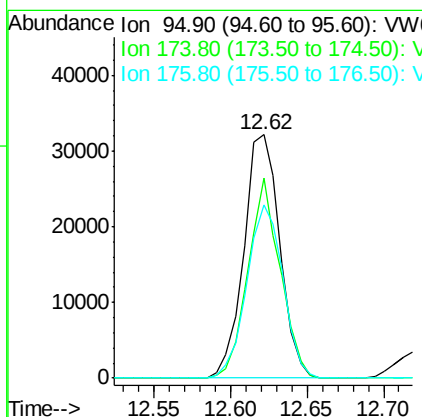
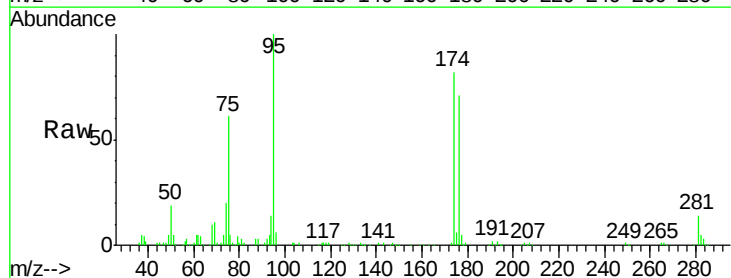
Manual Integrations
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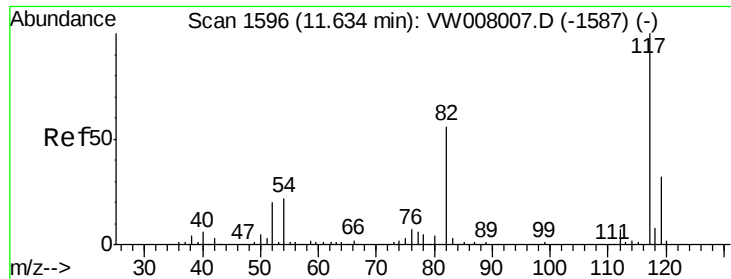
MMDadoda
 1/7/2019 1:22:41 PM



#62
 4-Bromofluorobenzene
 Concen: 46.183 ug/l
 RT: 12.62 min Scan# 1758
 Delta R.T. 0.00 min
 Lab File: VW008039.D
 Acq: 04 Jan 2019 11:06

Tgt Ion: 95 Resp: 52460
 Ion Ratio Lower Upper
 95 100
 174 74.0 0.0 149.6
 176 71.7 0.0 145.4





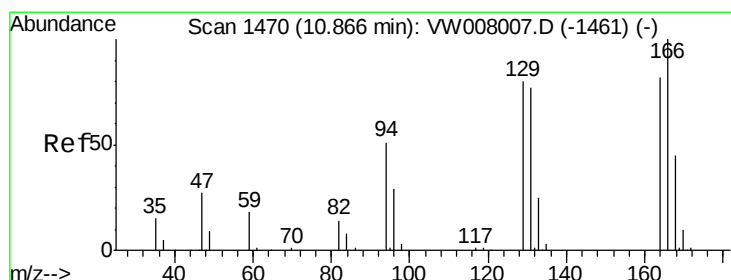
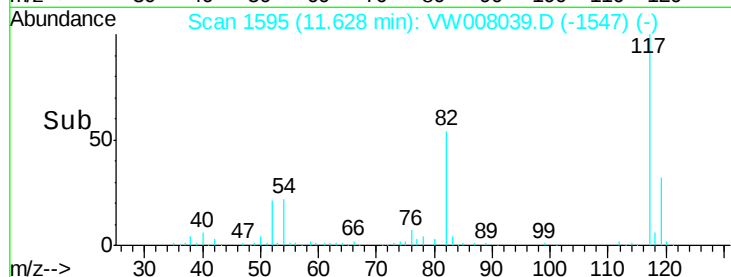
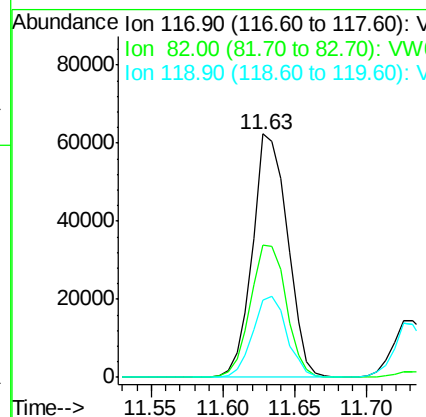
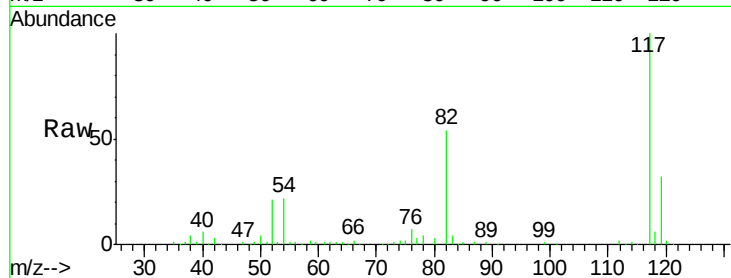
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1595
Delta R.T. -0.01 min
Lab File: VW008039.D
Acq: 04 Jan 2019 11:06

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
117	100		
82	54.3	44.8	67.2
119	31.7	25.6	38.4

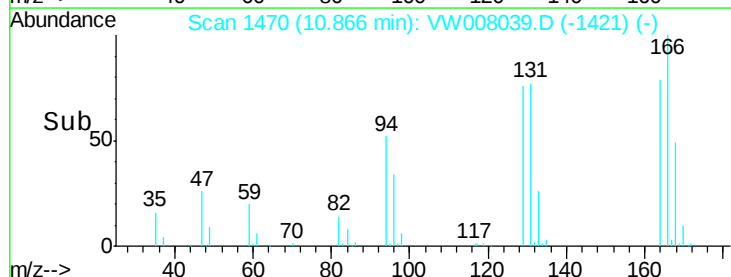
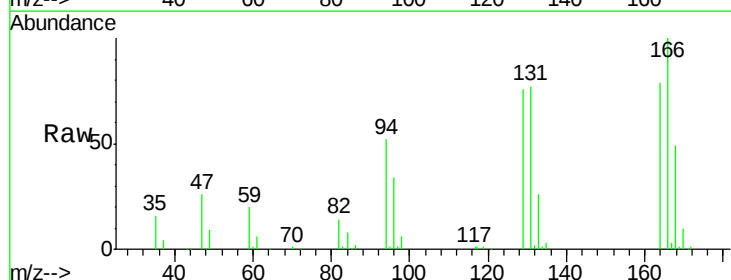
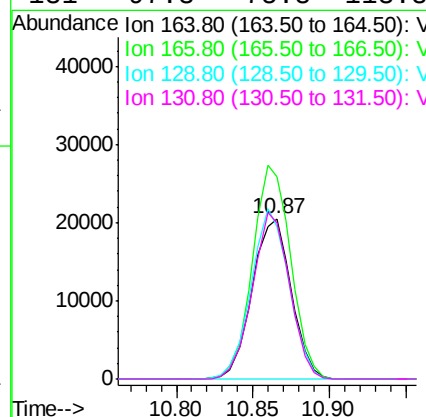
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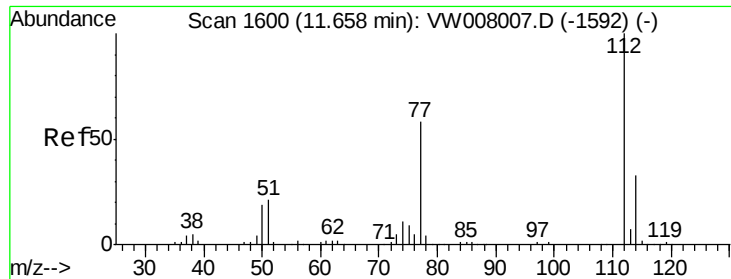
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#64
Tetrachloroethene
Concen: 50.335 ug/l
RT: 10.87 min Scan# 1470
Delta R.T. 0.00 min
Lab File: VW008039.D
Acq: 04 Jan 2019 11:06

Tgt Ion	Ratio	Lower	Upper
164	100		
166	126.2	98.1	147.1
129	95.3	78.0	117.0
131	97.3	75.8	113.8





#65

Chlorobenzene

Concen: 48.945 ug/l

RT: 11.66 min Scan# 1600

Delta R.T. 0.00 min

Lab File: VW008039.D

Acq: 04 Jan 2019 11:06

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

Tot Ion:112 Resp: 109563

Ion Ratio Lower Upper

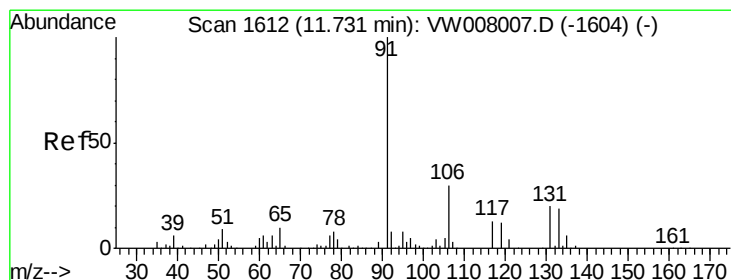
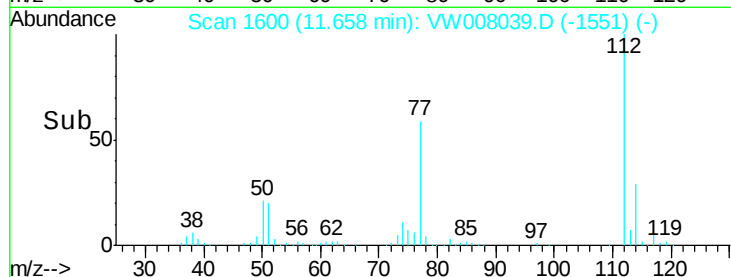
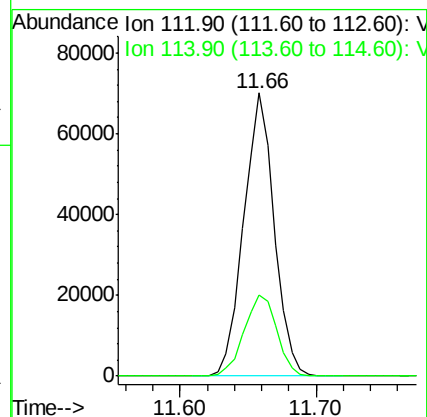
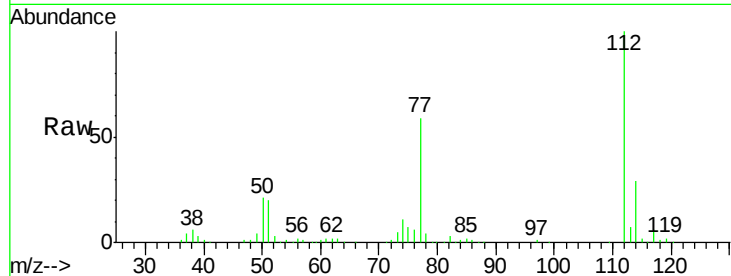
112 100

114 28.5 26.0 39.0

Manual Integrations
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#66

1,1,1,2-Tetrachloroethane

Concen: 46.667 ug/l

RT: 11.73 min Scan# 1612

Delta R.T. 0.00 min

Lab File: VW008039.D

Acq: 04 Jan 2019 11:06

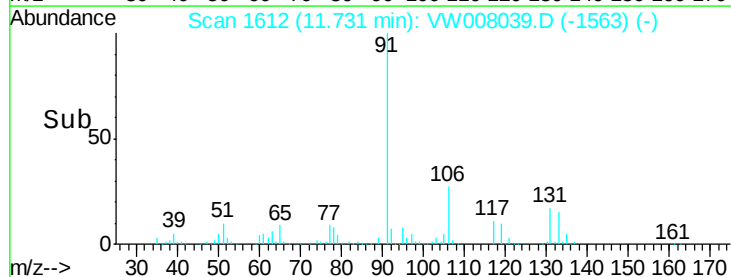
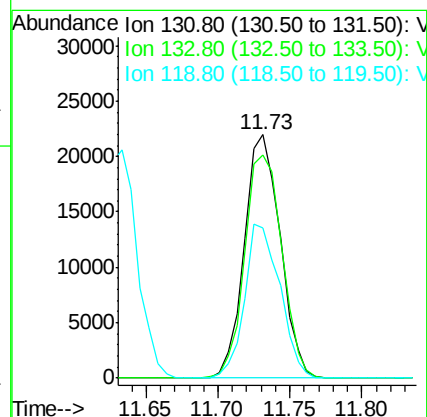
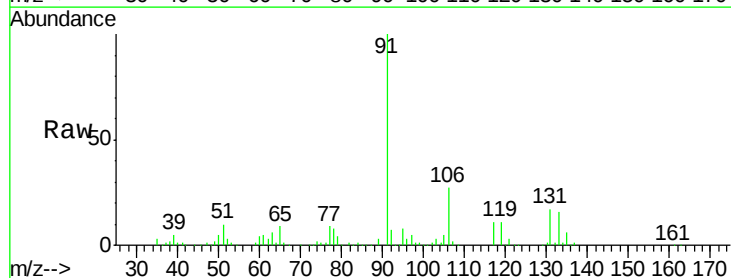
Tgt Ion:131 Resp: 37830

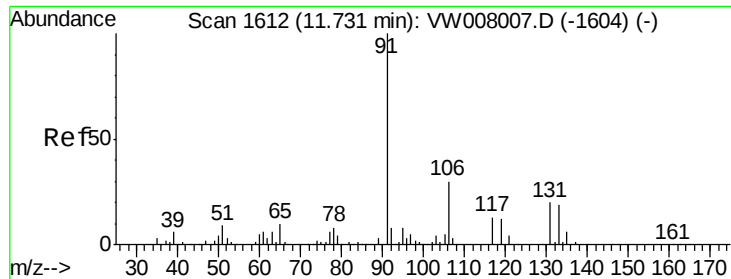
Ion Ratio Lower Upper

131 100

133 95.5 49.1 147.3

119 62.2 30.6 91.6





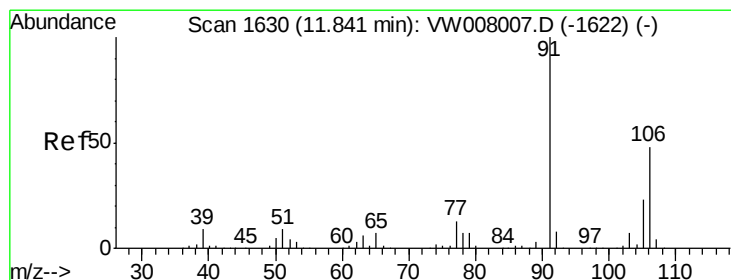
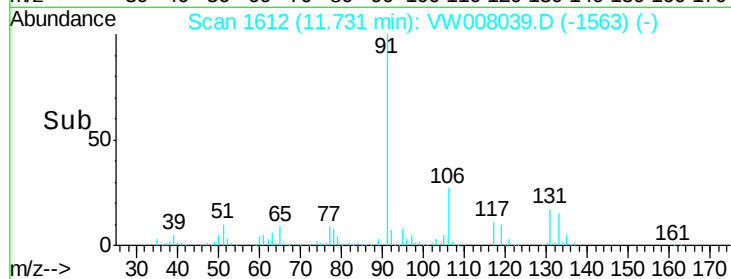
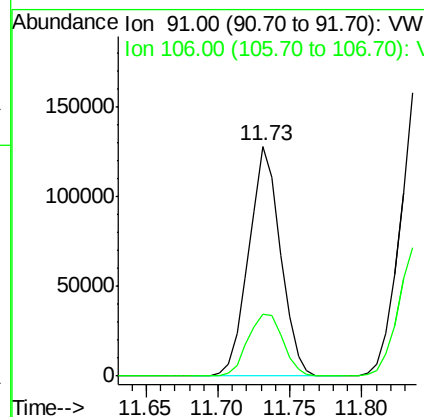
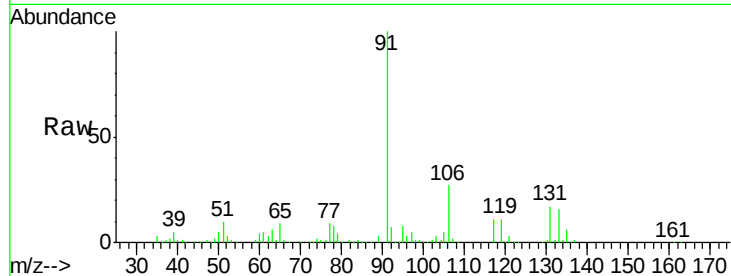
#67
Ethyl Benzene
Concen: 48.887 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. 0.00 min
Lab File: VW008039.D
Acq: 04 Jan 2019 11:06

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion: 91 Resp: 194239
Ion Ratio Lower Upper
91 100
106 26.8 24.3 36.5

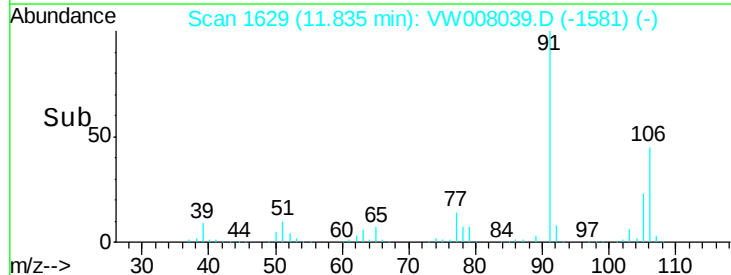
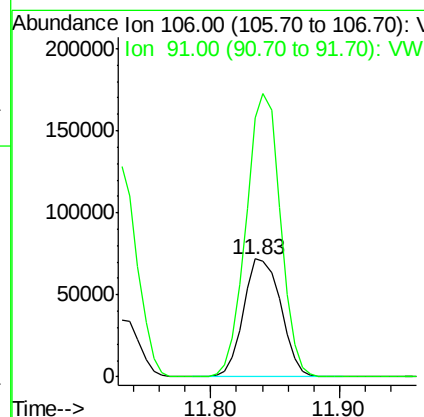
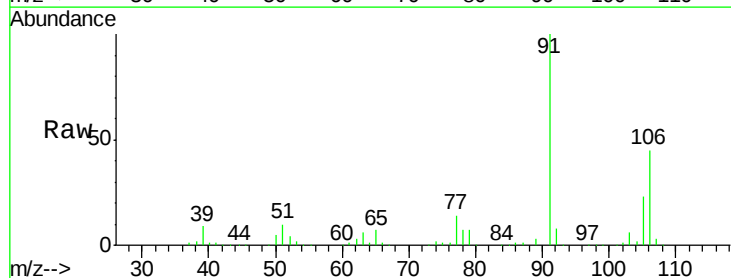
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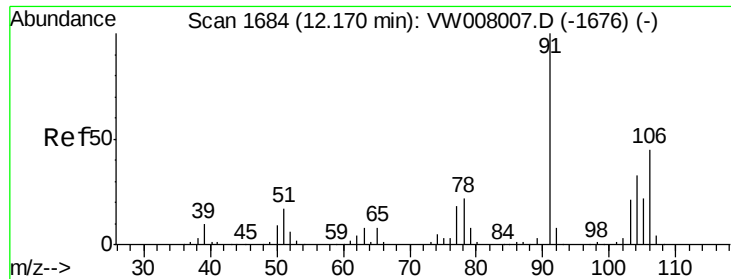
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#68
m/p-Xylenes
Concen: 93.913 ug/l
RT: 11.83 min Scan# 1629
Delta R.T. -0.01 min
Lab File: VW008039.D
Acq: 04 Jan 2019 11:06

Tgt Ion: 106 Resp: 144259
Ion Ratio Lower Upper
106 100
91 219.7 165.8 248.8





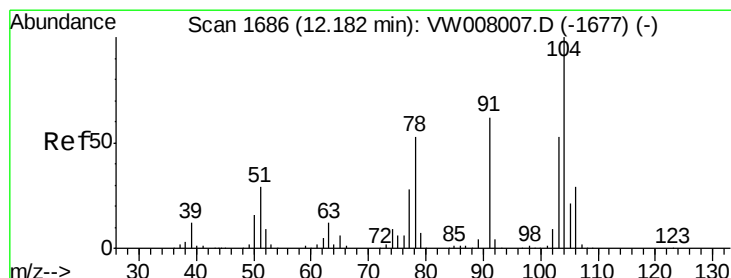
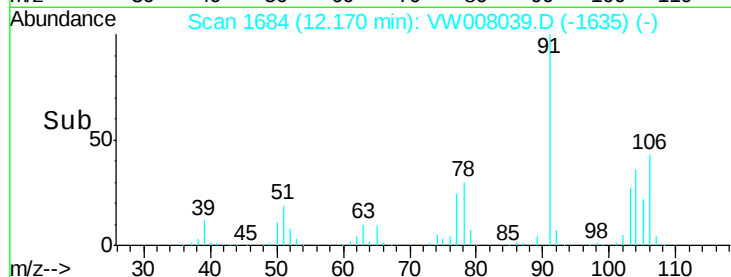
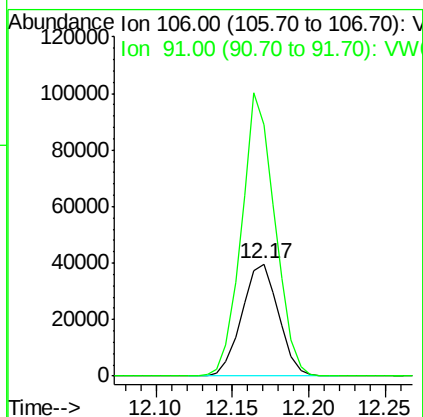
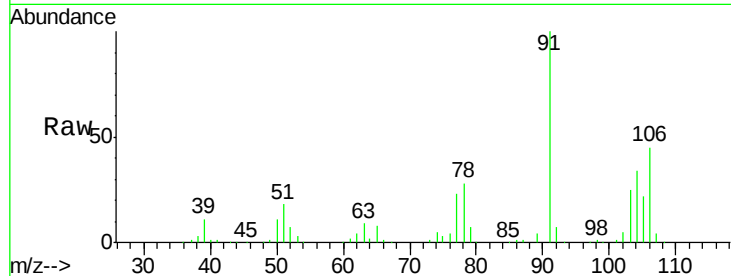
#69
o-Xylene
Concen: 46.086 ug/l
RT: 12.17 min Scan# 1684
Delta R.T. 0.00 min
Lab File: VW008039.D
Acq: 04 Jan 2019 11:06

Instrument :
MSVOA_W
ClientSampled :
VSTDCCC050

Tot Ion:106 Resp: 65872
Ion Ratio Lower Upper
106 100
91 229.5 110.6 331.6

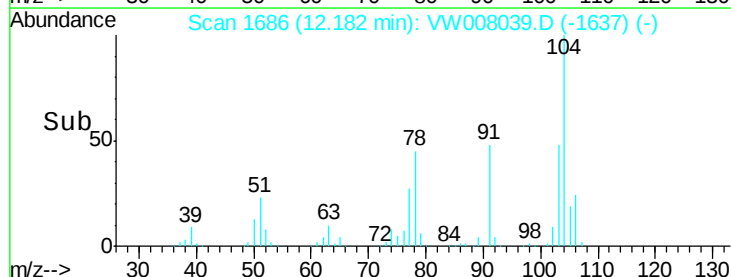
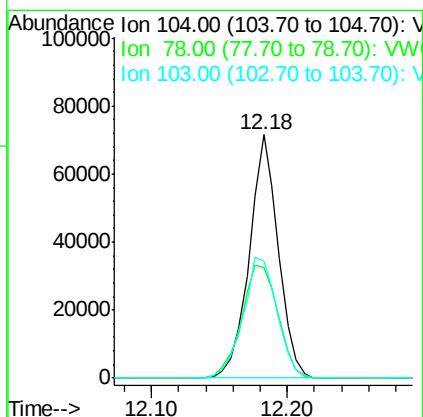
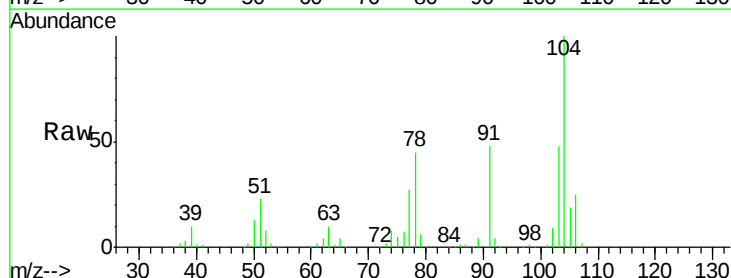
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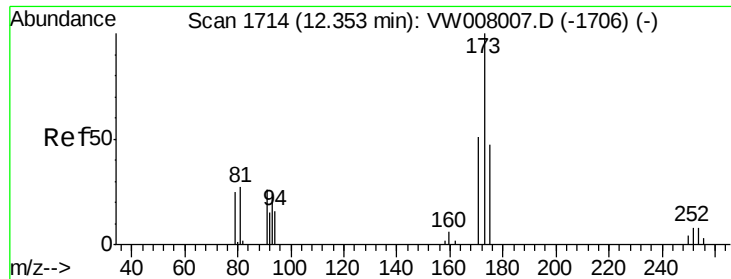
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#70
Styrene
Concen: 45.800 ug/l
RT: 12.18 min Scan# 1686
Delta R.T. 0.00 min
Lab File: VW008039.D
Acq: 04 Jan 2019 11:06

Tgt Ion:104 Resp: 106699
Ion Ratio Lower Upper
104 100
78 58.2 44.0 66.0
103 58.2 44.6 66.8





#71

Bromoform

Concen: 46.551 ug/l

RT: 12.35 min Scan# 1714

Delta R.T. 0.00 min

Lab File: VW008039.D

Acq: 04 Jan 2019 11:06

Instrument :

MSVOA_W

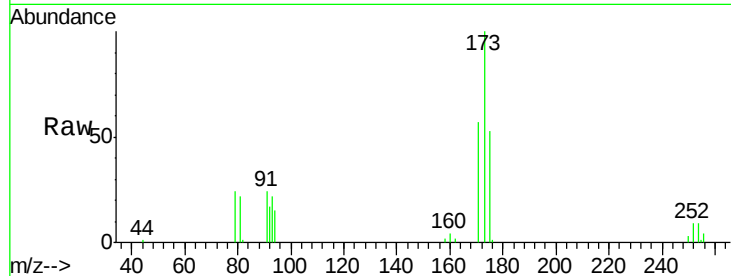
ClientSampleId :

VSTDCCC050

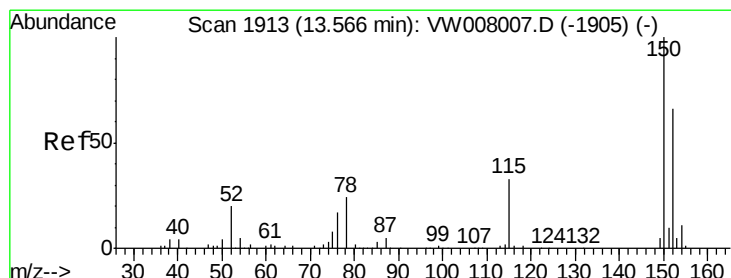
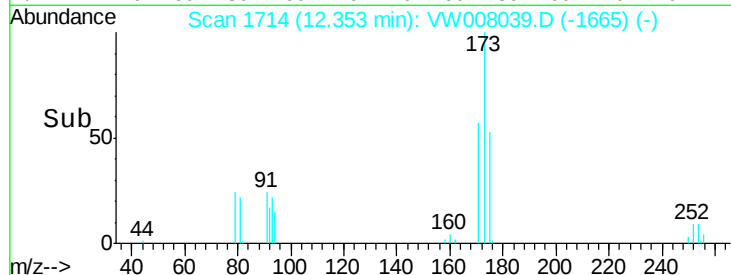
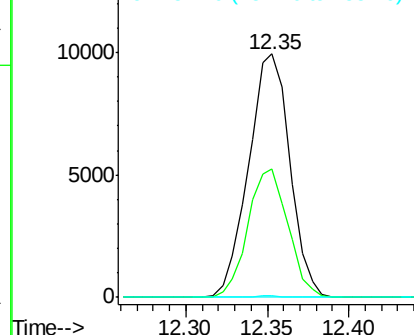
Tot Ion:173 Resp: 17483
 Ion Ratio Lower Upper
 173 100
 175 50.9 23.6 71.0
 254 0.2 0.0 0.0#

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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

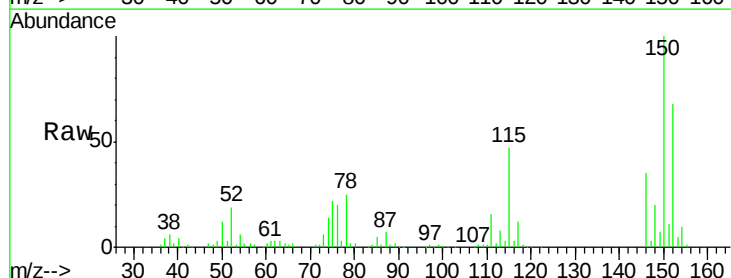
RT: 13.57 min Scan# 1913

Delta R.T. 0.00 min

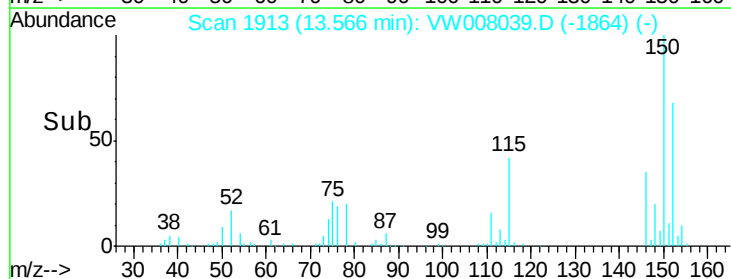
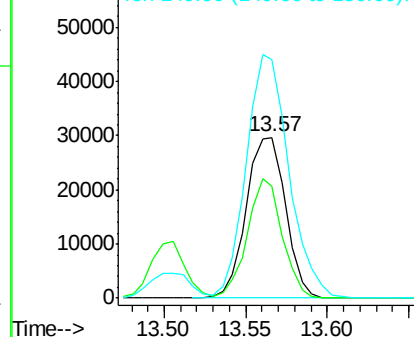
Lab File: VW008039.D

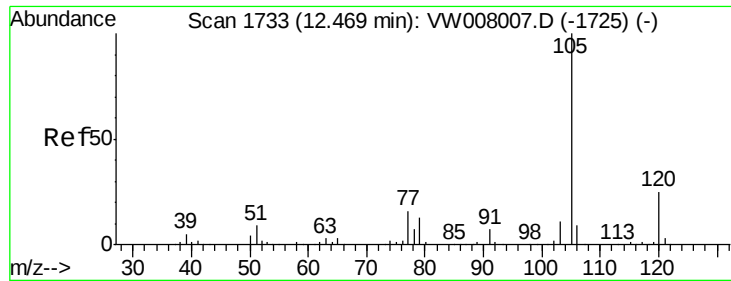
Acq: 04 Jan 2019 11:06

Tgt Ion:152 Resp: 49879
 Ion Ratio Lower Upper
 152 100
 115 66.3 32.1 96.5
 150 164.0 0.0 345.0



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





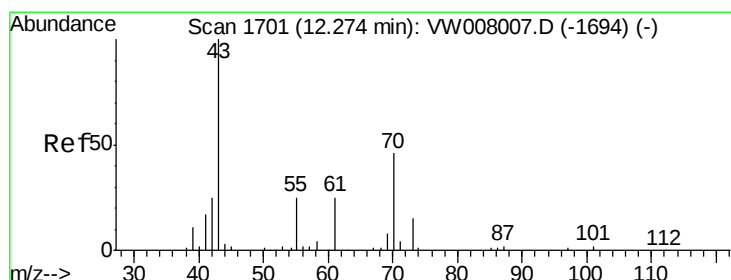
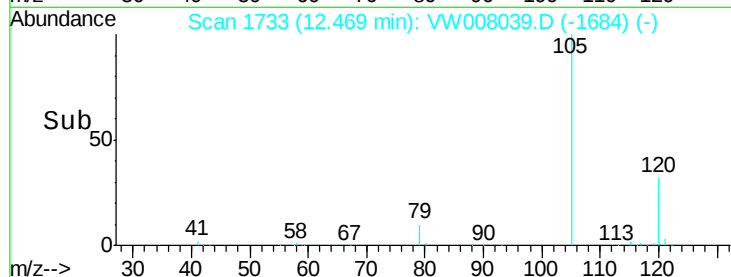
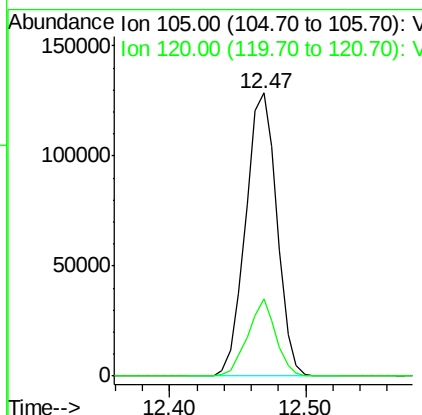
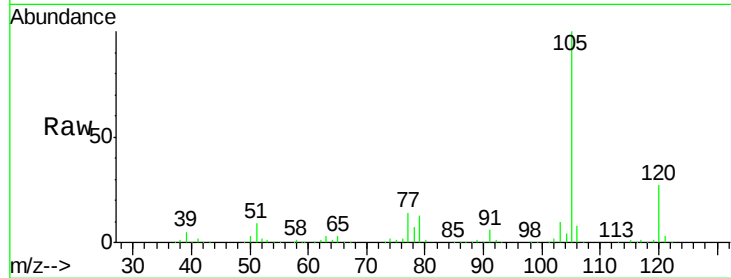
#73
Isopropylbenzene
Concen: 52.168 ug/l
RT: 12.47 min Scan# 1733
Delta R.T. 0.00 min
Lab File: VW008039.D
Acq: 04 Jan 2019 11:06

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion: 105 Resp: 206913
Ion Ratio Lower Upper
105 100
120 24.5 12.8 38.3

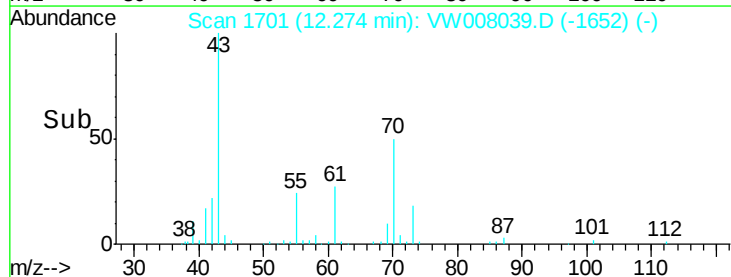
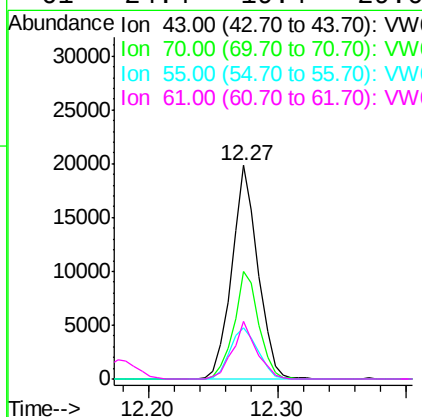
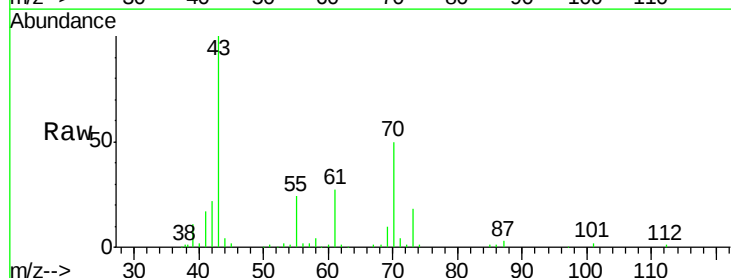
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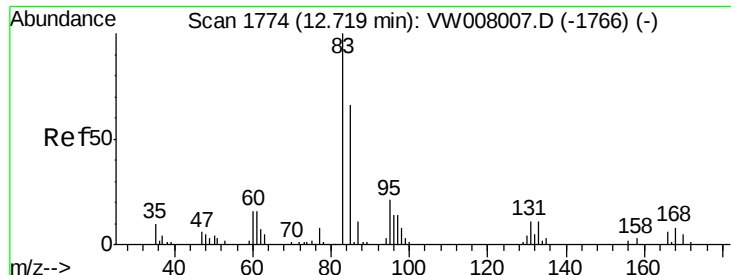
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#74
N-ethyl acetate
Concen: 45.159 ug/l
RT: 12.27 min Scan# 1701
Delta R.T. 0.00 min
Lab File: VW008039.D
Acq: 04 Jan 2019 11:06

Tgt Ion: 43 Resp: 27881
Ion Ratio Lower Upper
43 100
70 48.0 35.2 52.8
55 26.1 21.4 32.0
61 24.4 19.4 29.0





#75

1,1,2,2-Tetrachloroethane

Concen: 52.338 ug/l

RT: 12.72 min Scan# 1774

Delta R.T. 0.00 min

Lab File: VW008039.D

Acq: 04 Jan 2019 11:06

Instrument :

MSVOA_W

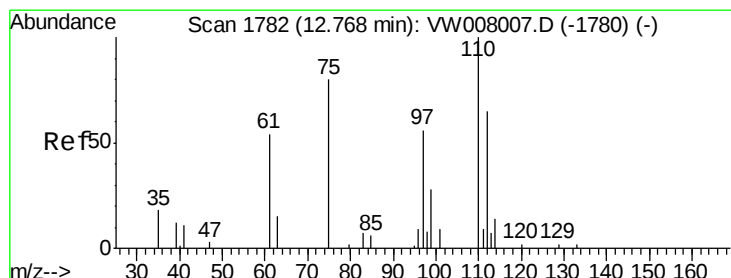
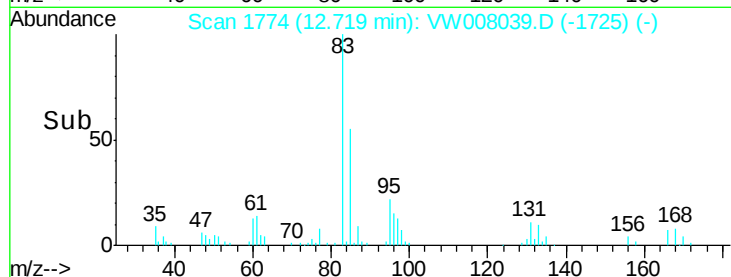
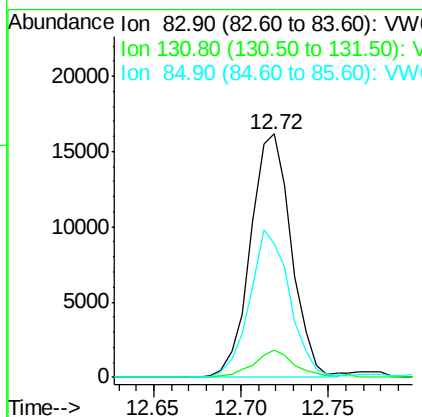
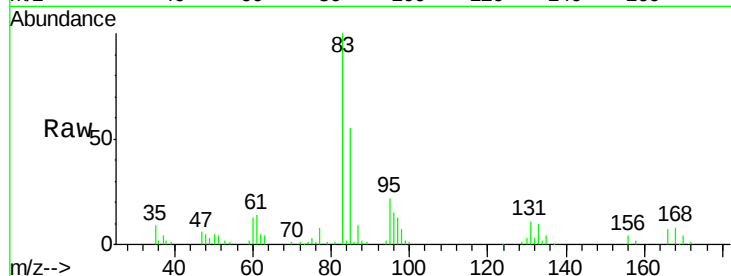
ClientSampleId :

VSTDCCC050

Tot Ion:	83	Resp:	26413
Ion Ratio	Lower	Upper	
83	100		
131	11.6	6.5	19.5
85	59.4	32.8	98.3

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#76

1,2,3-Trichloropropane

Concen: 51.712 ug/l m

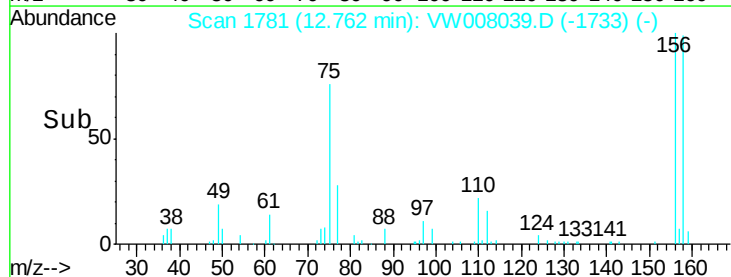
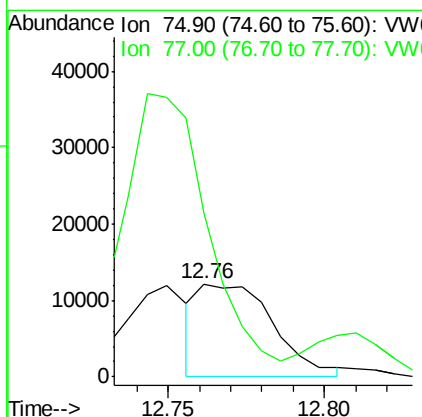
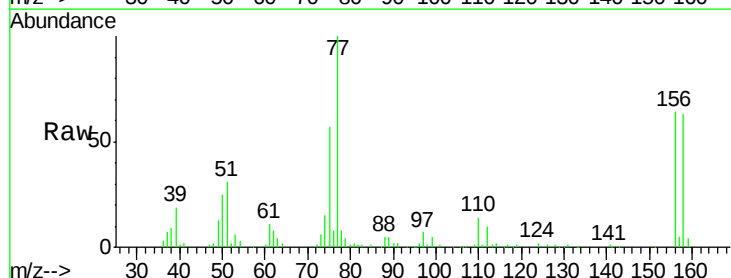
RT: 12.76 min Scan# 1781

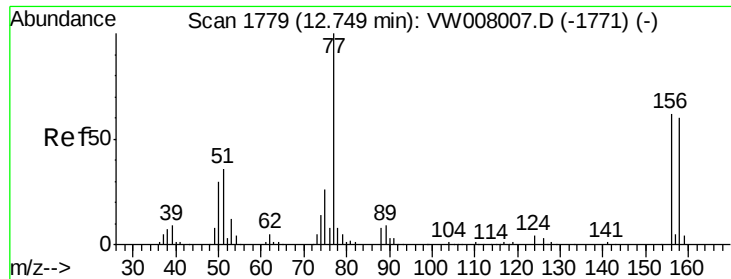
Delta R.T. -0.01 min

Lab File: VW008039.D

Acq: 04 Jan 2019 11:06

Tgt Ion:	75	Resp:	20520
Ion Ratio	Lower	Upper	
75	100		
77	349.5	186.2	558.6





#77

Bromobenzene

Concen: 47.230 ug/l

RT: 12.75 min Scan# 1779

Delta R.T. 0.00 min

Lab File: VW008039.D

Acq: 04 Jan 2019 11:06

Instrument :

MSVOA_W

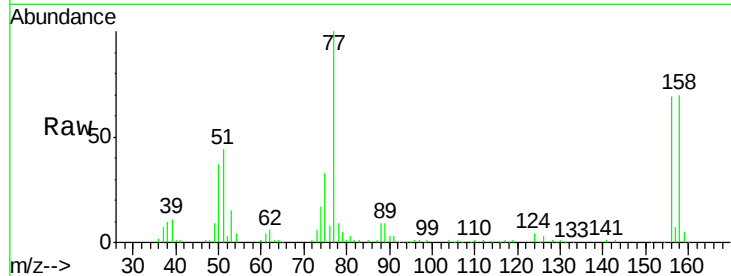
ClientSampleId :

VSTDCCC050

Tot Ion	Ion	Ratio	Lower	Upper
156	100			
77	178.1	87.9	263.8	
158	104.5	47.8	143.4	

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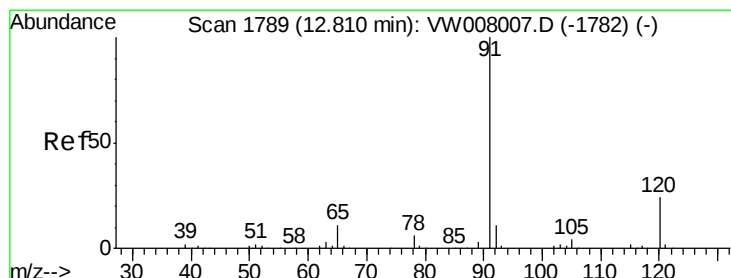
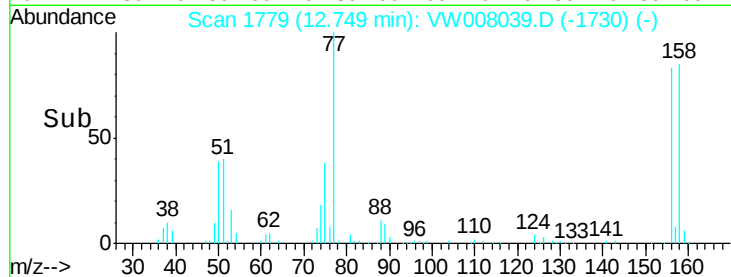
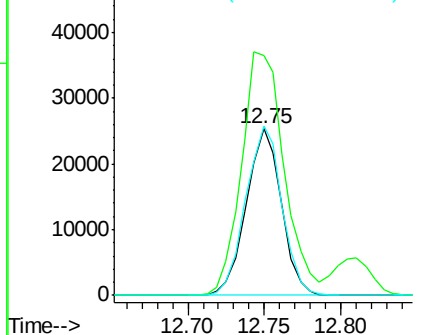


Abundance

Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VW

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 51.410 ug/l

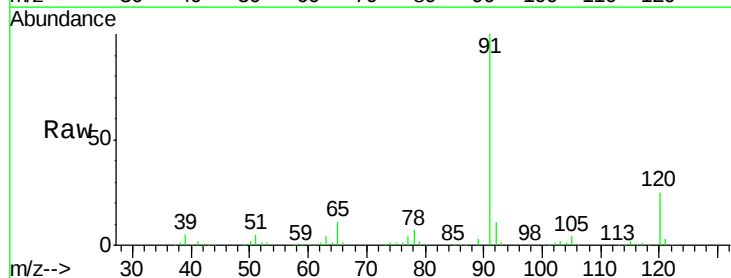
RT: 12.81 min Scan# 1789

Delta R.T. 0.00 min

Lab File: VW008039.D

Acq: 04 Jan 2019 11:06

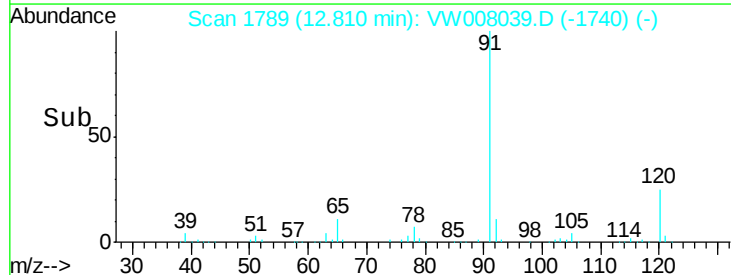
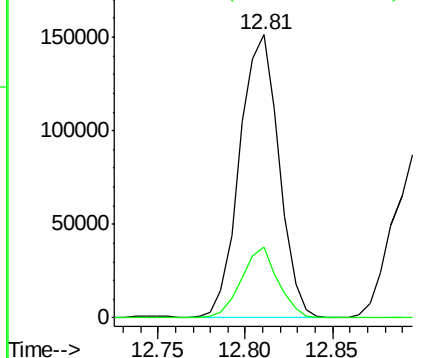
Tgt Ion	Ion	Ratio	Lower	Upper
91	100			
120	23.4	11.5	34.5	

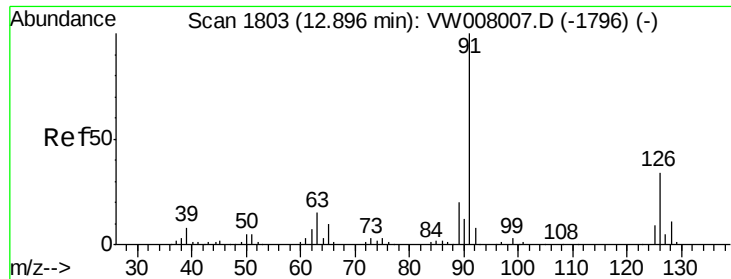


Abundance

Ion 91.00 (90.70 to 91.70): VW

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 50.032 ug/l

RT: 12.90 min Scan# 1803

Delta R.T. 0.00 min

Lab File: VW008039.D

Acq: 04 Jan 2019 11:06

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

Tot Ion: 91 Resp: 132972

Ion Ratio Lower Upper

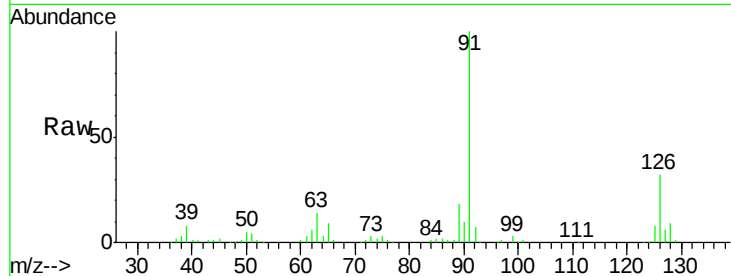
91 100

126 33.3 17.1 51.2

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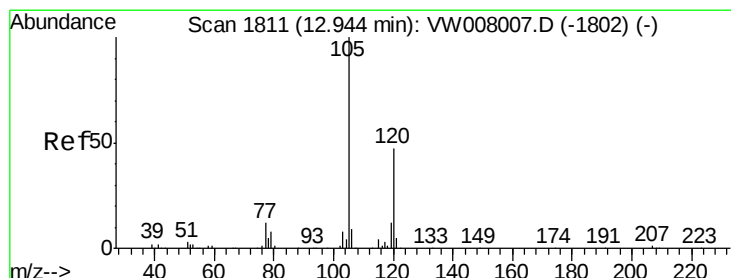
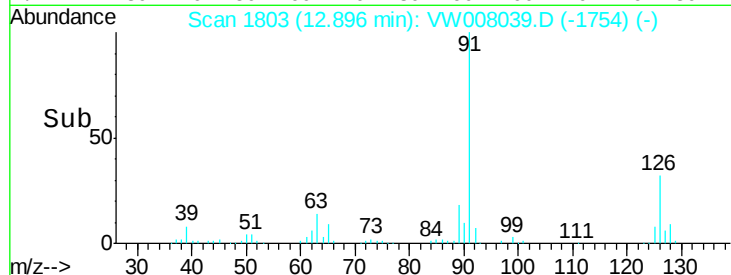
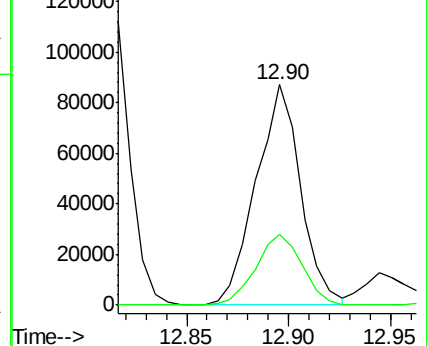
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Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 125.90 (125.60 to 126.60): V



#80

1,3,5-Trimethylbenzene

Concen: 47.942 ug/l

RT: 12.94 min Scan# 1811

Delta R.T. 0.00 min

Lab File: VW008039.D

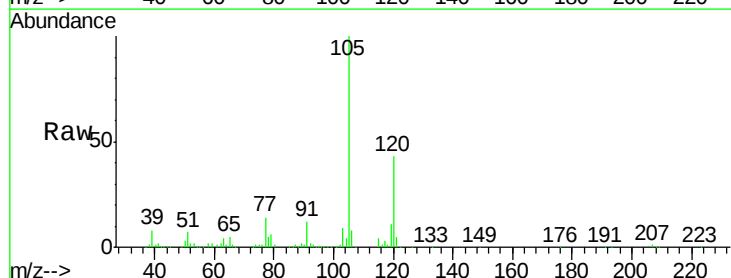
Acq: 04 Jan 2019 11:06

Tgt Ion:105 Resp: 163676

Ion Ratio Lower Upper

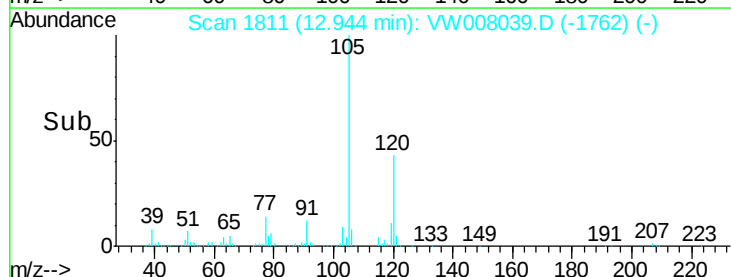
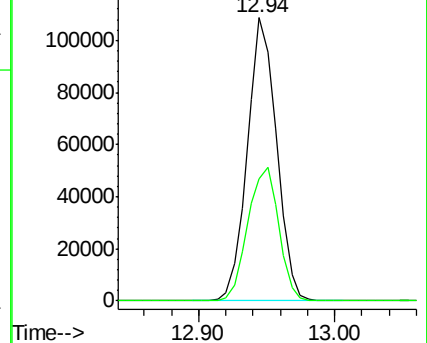
105 100

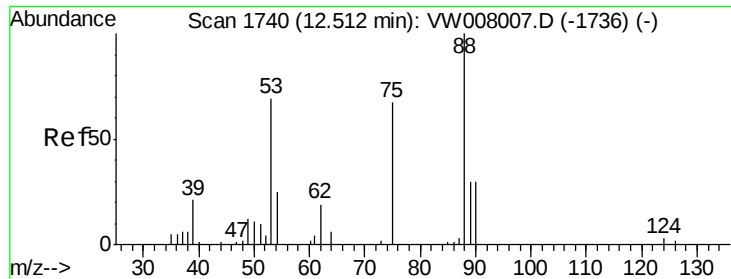
120 50.0 23.3 69.9



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





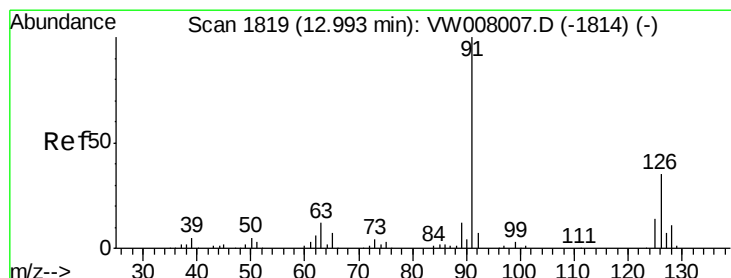
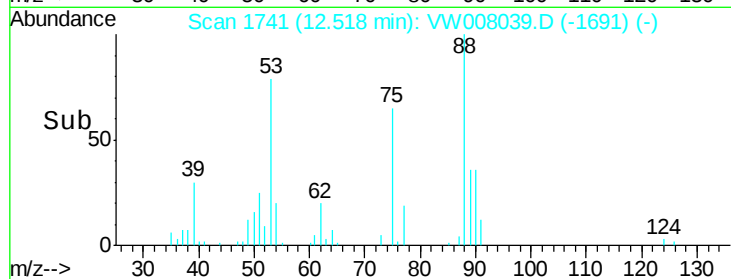
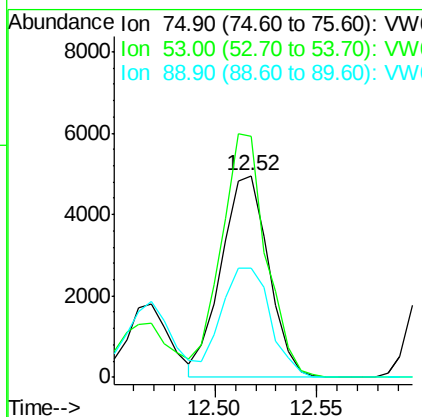
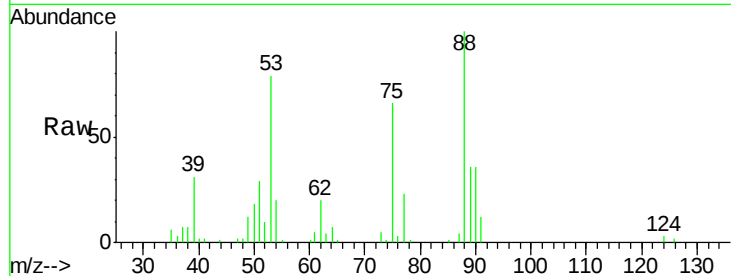
#81
trans-1,4-Dichloro-2-butene
Concen: 47.558 ug/l
RT: 12.52 min Scan# 1741
Delta R.T. 0.01 min
Lab File: VW008039.D
Acq: 04 Jan 2019 11:06

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
75	100		
53	114.8	87.6	131.4
89	55.4	42.2	63.2

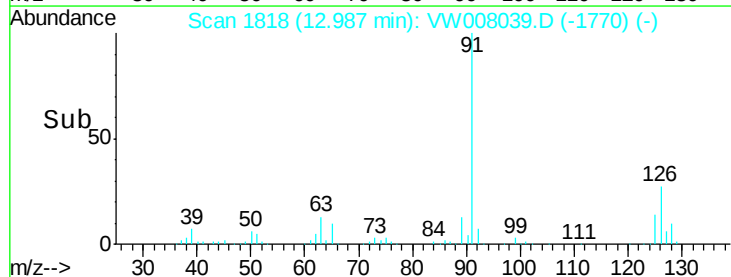
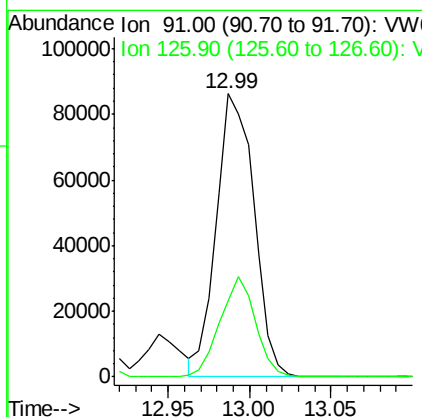
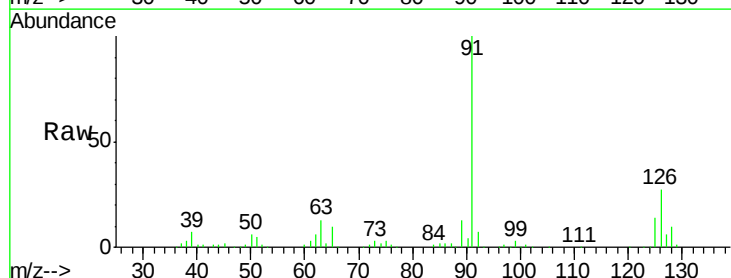
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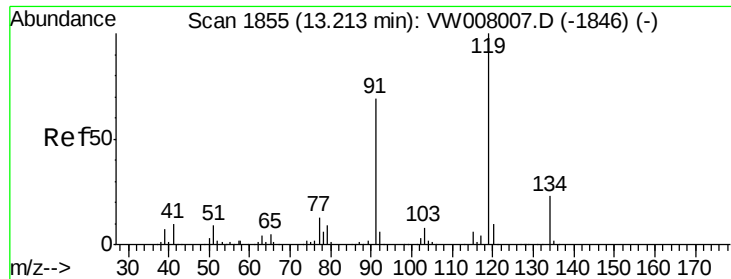
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#82
4-Chlorotoluene
Concen: 49.216 ug/l
RT: 12.99 min Scan# 1818
Delta R.T. -0.01 min
Lab File: VW008039.D
Acq: 04 Jan 2019 11:06

Tgt Ion	Ratio	Lower	Upper
91	100		
126	33.3	16.7	50.1





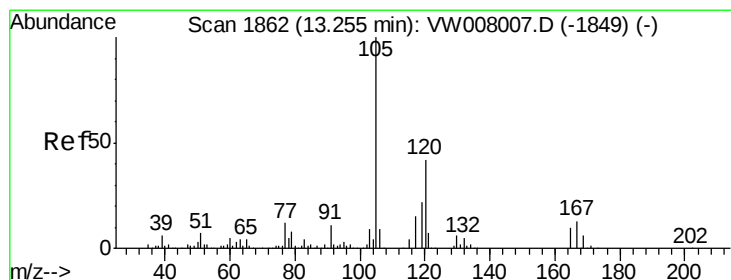
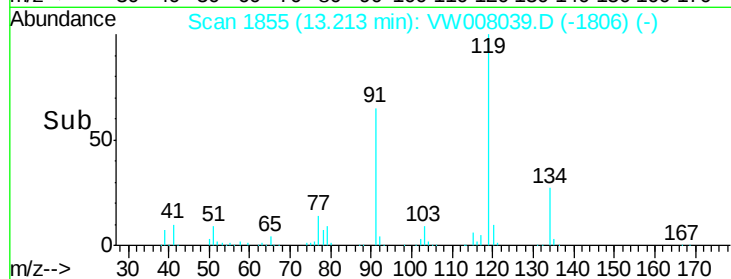
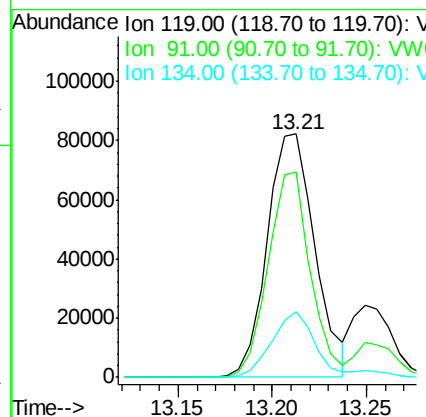
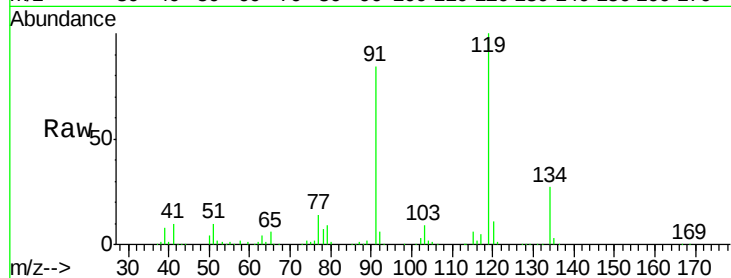
#83
tert-Butylbenzene
Concen: 48.292 ug/l
RT: 13.21 min Scan# 1855
Delta R.T. 0.00 min
Lab File: VW008039.D
Acq: 04 Jan 2019 11:06

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
119	100		
91	74.8	34.7	104.1
134	26.1	11.5	34.4

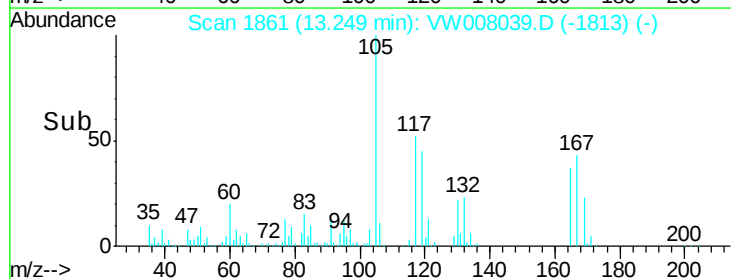
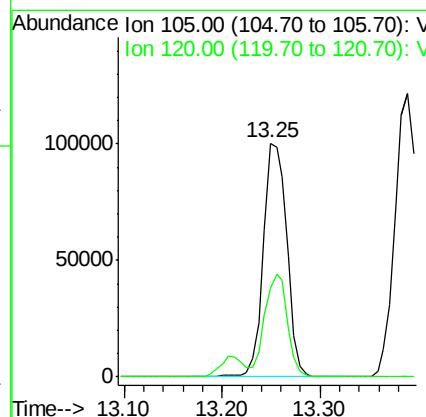
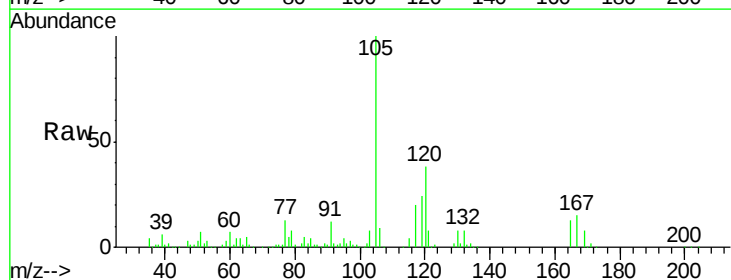
Manual Integrations
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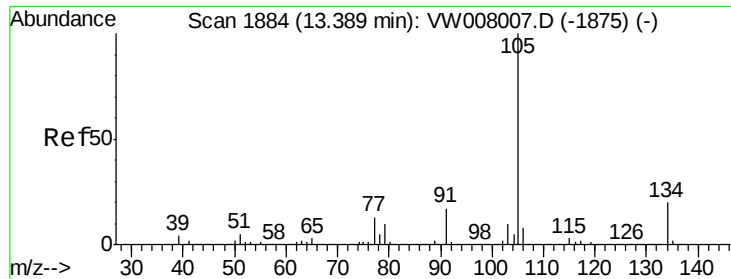
MMDadoda
1/7/2019 1:22:41 PM



#84
1,2,4-Trimethylbenzene
Concen: 48.694 ug/l
RT: 13.25 min Scan# 1861
Delta R.T. -0.01 min
Lab File: VW008039.D
Acq: 04 Jan 2019 11:06

Tgt Ion	Ratio	Lower	Upper
105	100		
120	43.0	21.5	64.5





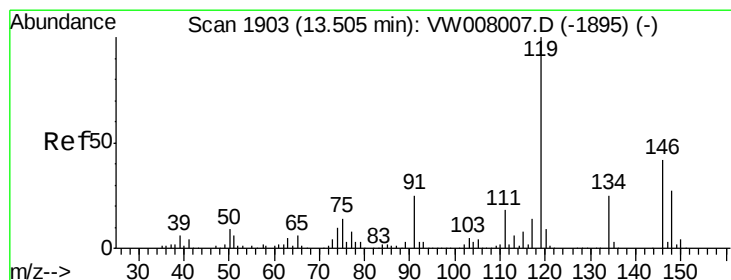
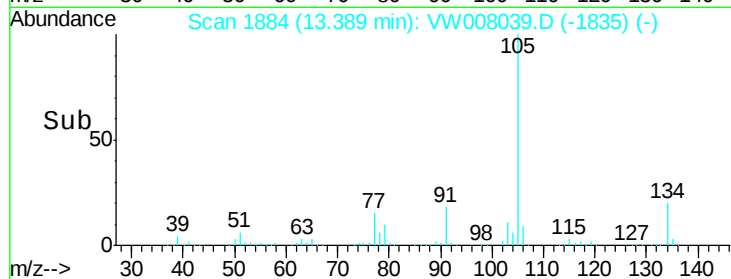
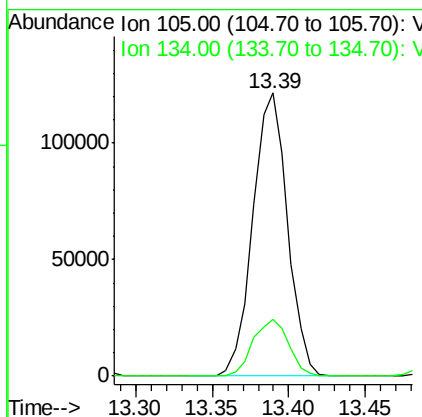
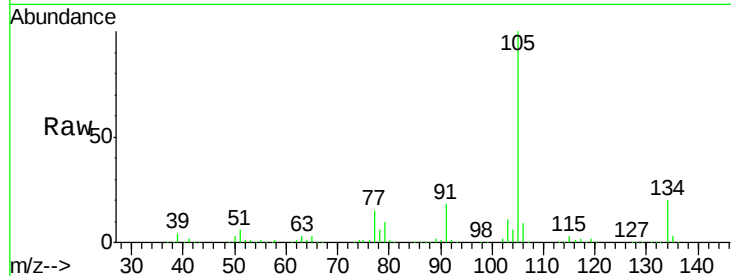
#85
 sec-Butylbenzene
 Concen: 46.710 ug/l
 RT: 13.39 min Scan# 1884
 Delta R.T. 0.00 min
 Lab File: VW008039.D
 Acq: 04 Jan 2019 11:06

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

Tot Ion:105 Resp: 191930
 Ion Ratio Lower Upper
 105 100
 134 20.6 9.7 28.9

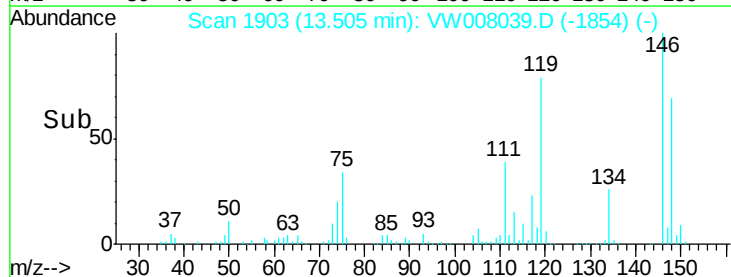
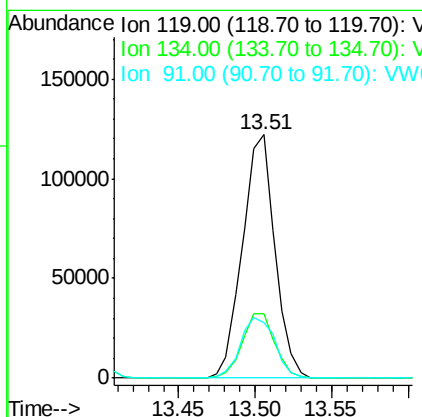
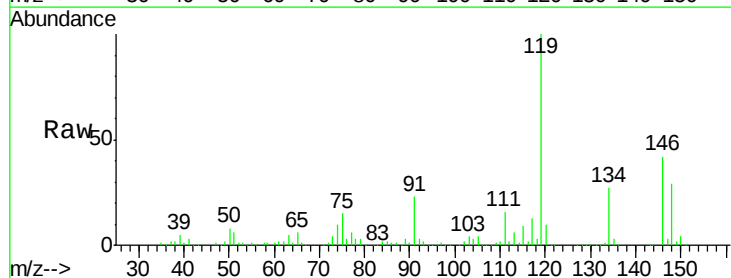
Manual Integrations
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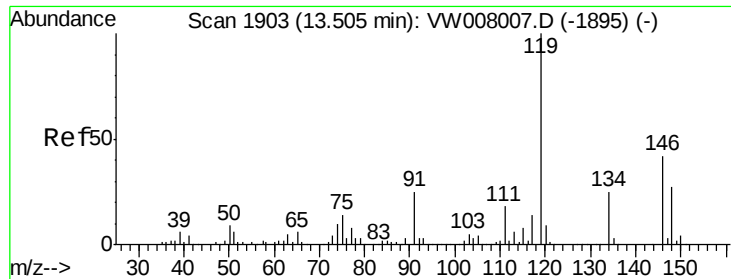
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 1/7/2019 1:22:41 PM



#86
 p-Isopropyltoluene
 Concen: 48.545 ug/l
 RT: 13.51 min Scan# 1903
 Delta R.T. 0.00 min
 Lab File: VW008039.D
 Acq: 04 Jan 2019 11:06

Tgt Ion:119 Resp: 179920
 Ion Ratio Lower Upper
 119 100
 134 26.9 12.5 37.5
 91 26.7 13.1 39.3





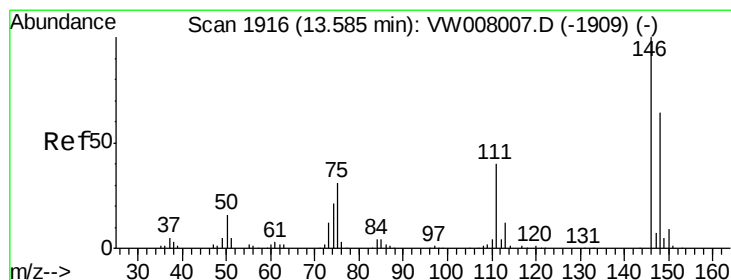
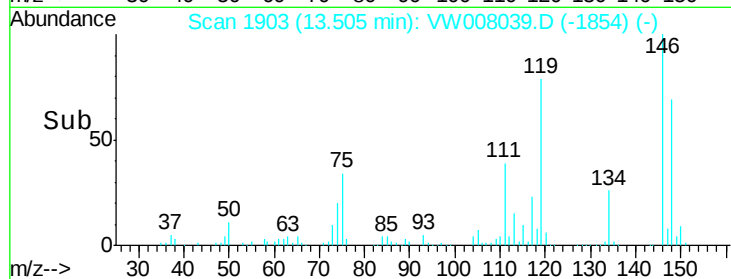
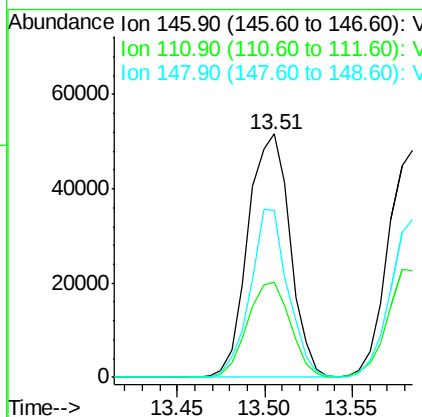
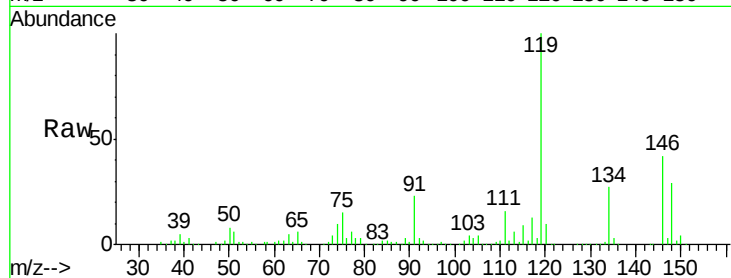
#87
 1,3-Dichlorobenzene
 Concen: 50.192 ug/l
 RT: 13.51 min Scan# 1903
 Delta R.T. 0.00 min
 Lab File: VW008039.D
 Acq: 04 Jan 2019 11:06

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
146	100		
111	40.0	21.4	64.2
148	62.1	31.9	95.5

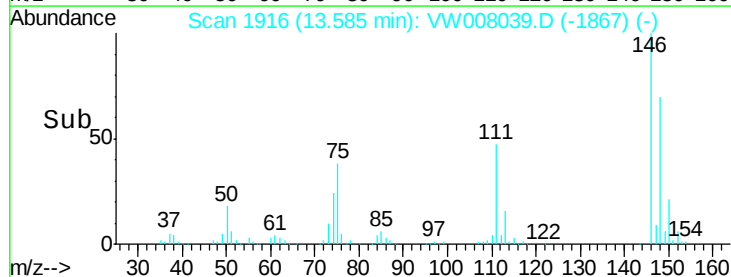
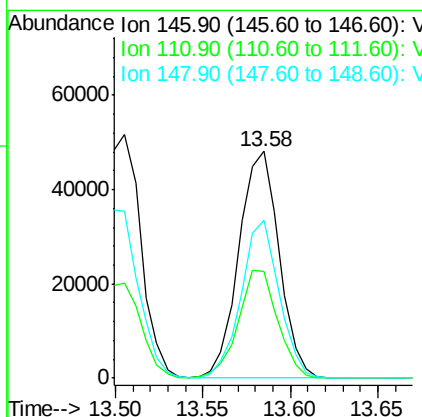
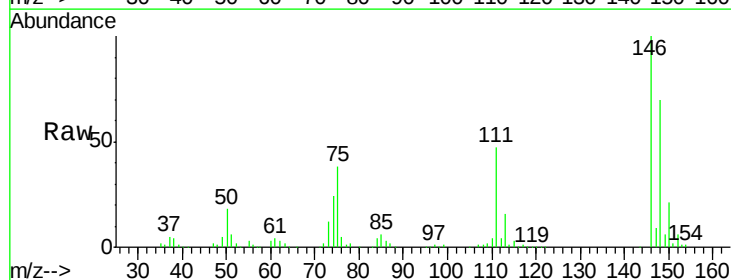
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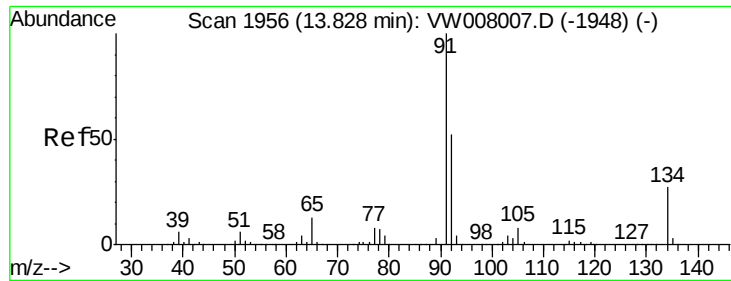
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#88
 1,4-Dichlorobenzene
 Concen: 45.326 ug/l
 RT: 13.58 min Scan# 1916
 Delta R.T. 0.00 min
 Lab File: VW008039.D
 Acq: 04 Jan 2019 11:06

Tgt Ion	Ratio	Lower	Upper
146	100		
111	46.5	20.9	62.8
148	65.7	31.9	95.9





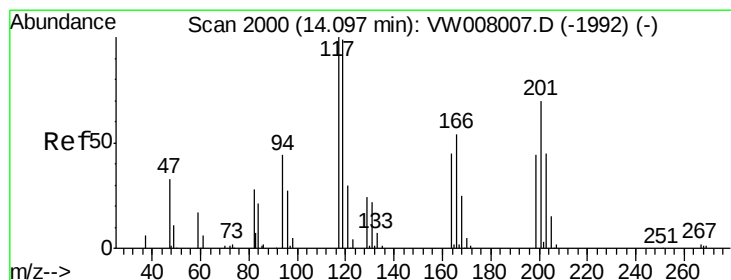
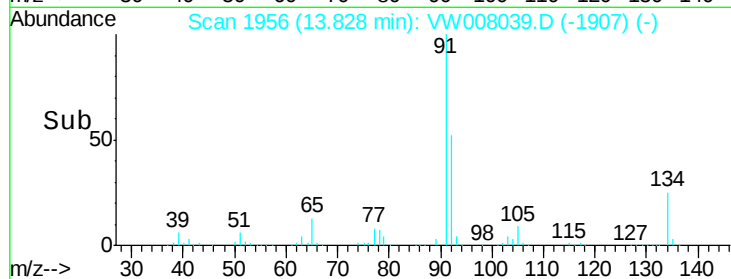
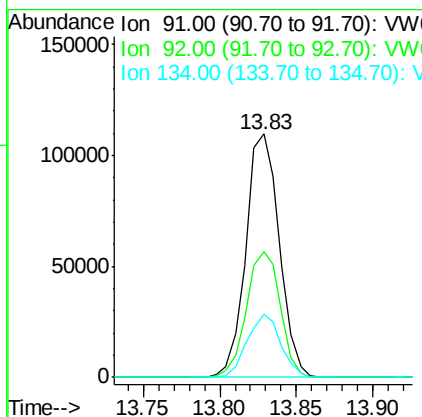
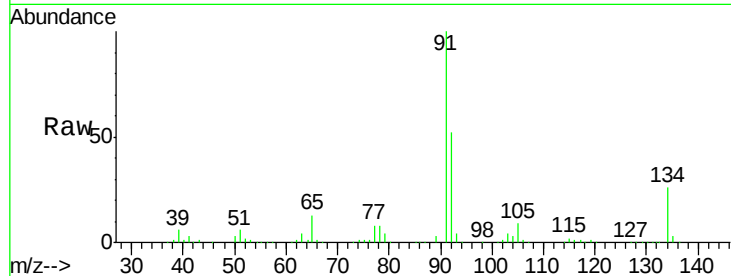
#89
n-Butylbenzene
Concen: 49.023 ug/l
RT: 13.83 min Scan# 1956
Delta R.T. 0.00 min
Lab File: VW008039.D
Acq: 04 Jan 2019 11:06

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
91	100		
92	52.2	26.4	79.2
134	26.0	13.4	40.2

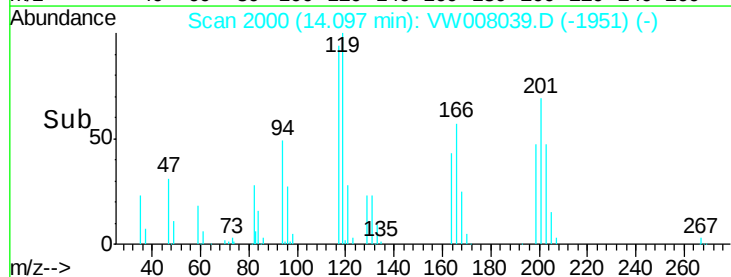
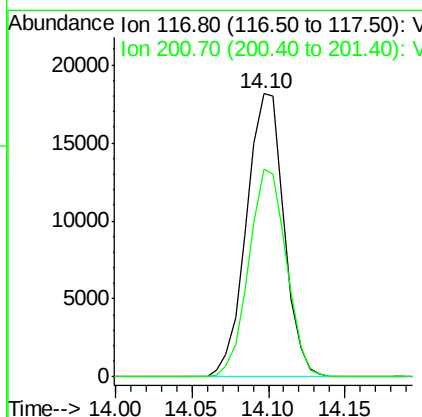
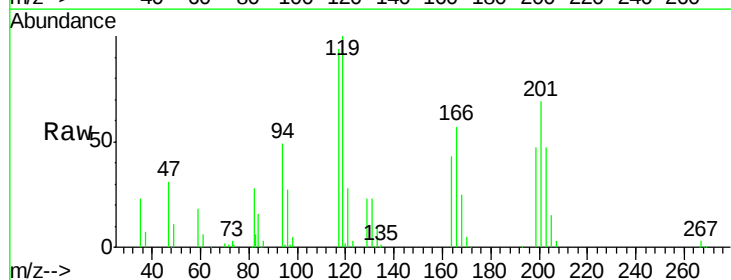
Manual Integrations
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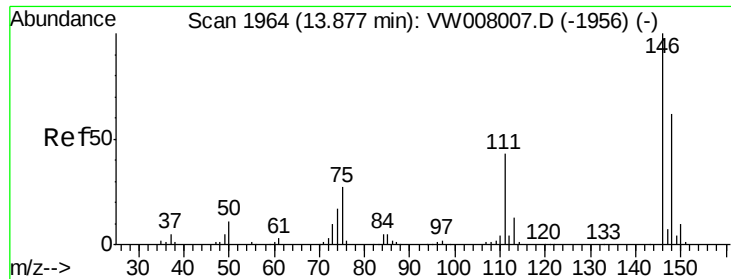
MMDadoda
1/7/2019 1:22:41 PM



#90
Hexachloroethane
Concen: 48.286 ug/l
RT: 14.10 min Scan# 2000
Delta R.T. 0.00 min
Lab File: VW008039.D
Acq: 04 Jan 2019 11:06

Tgt Ion	Ratio	Lower	Upper
117	100		
201	73.2	37.1	111.5





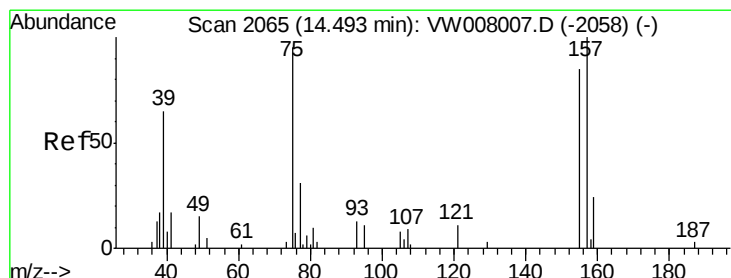
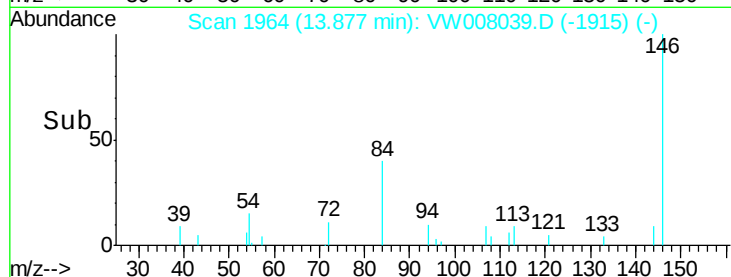
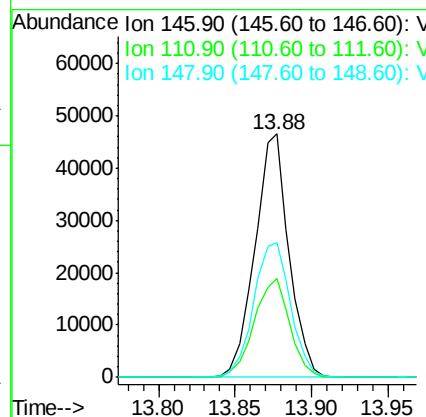
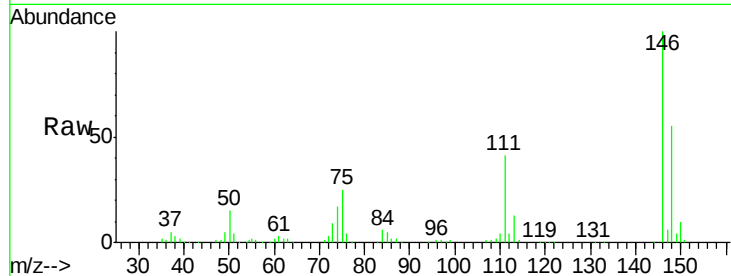
#91
 1,2-Dichlorobenzene
 Concen: 47.601 ug/l
 RT: 13.88 min Scan# 1964
 Delta R.T. 0.00 min
 Lab File: VW008039.D
 Acq: 04 Jan 2019 11:06

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
146	100		
111	42.3	22.6	67.7
148	60.1	32.1	96.3

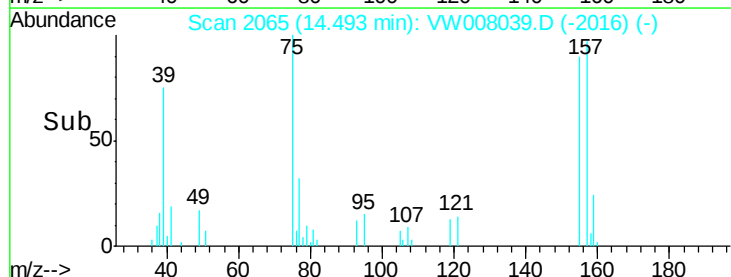
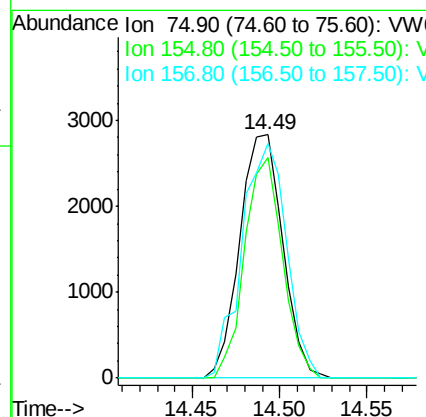
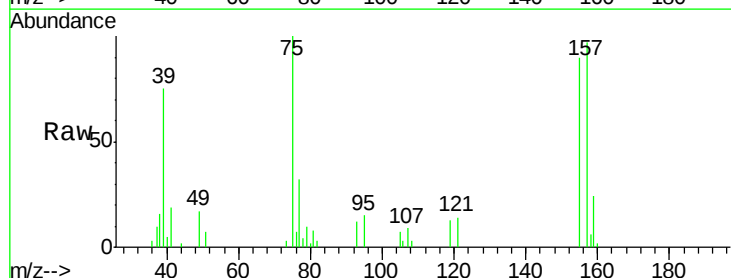
Manual Integrations
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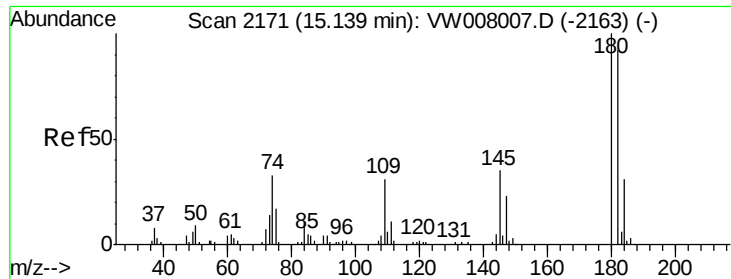
MMDadoda
 1/7/2019 1:22:41 PM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 47.576 ug/l
 RT: 14.49 min Scan# 2065
 Delta R.T. 0.00 min
 Lab File: VW008039.D
 Acq: 04 Jan 2019 11:06

Tgt Ion	Ratio	Lower	Upper
75	100		
155	79.8	42.4	127.1
157	100.1	52.3	156.8





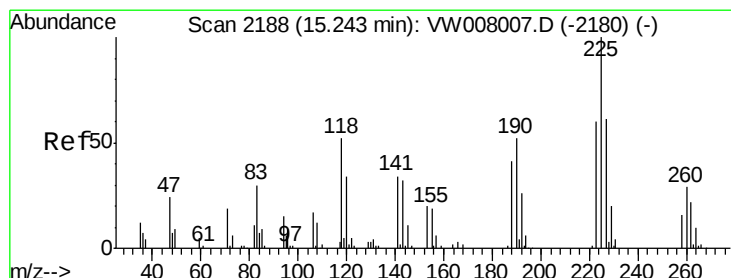
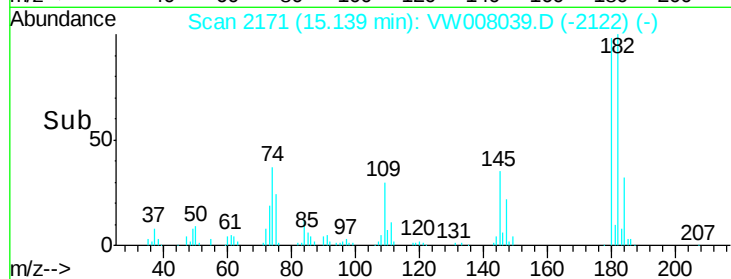
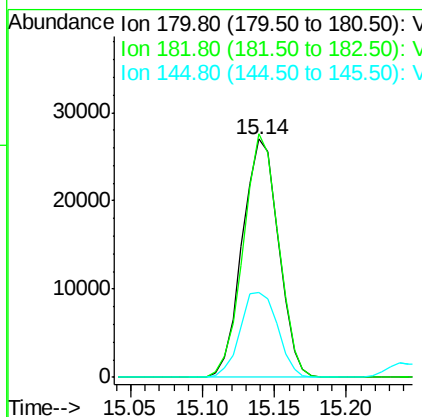
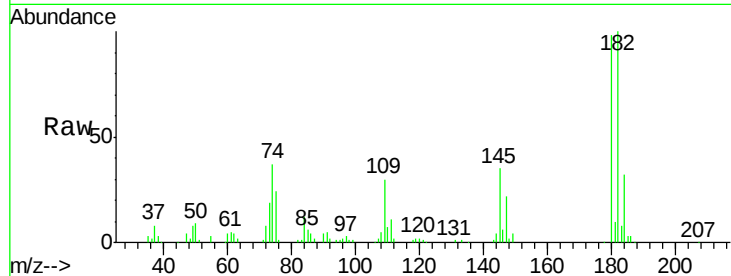
#93
 1,2,4-Trichlorobenzene
 Concen: 44.215 ug/l
 RT: 15.14 min Scan# 2171
 Delta R.T. 0.00 min
 Lab File: VW008039.D
 Acq: 04 Jan 2019 11:06

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
180	100	46940		
182	98.8	46.6	139.8	
145	36.9	17.2	51.6	

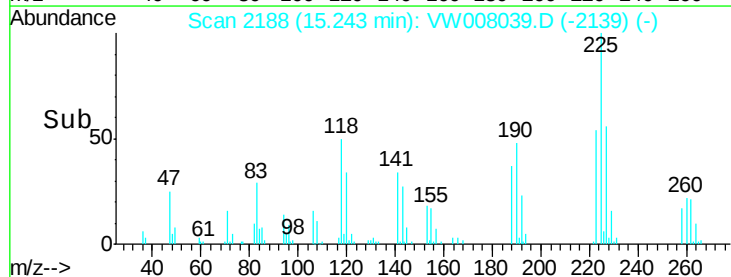
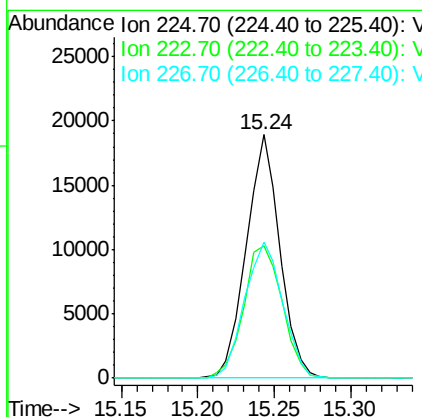
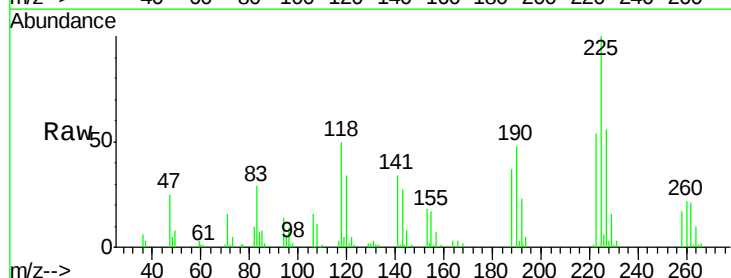
Manual Integrations
 APPROVED

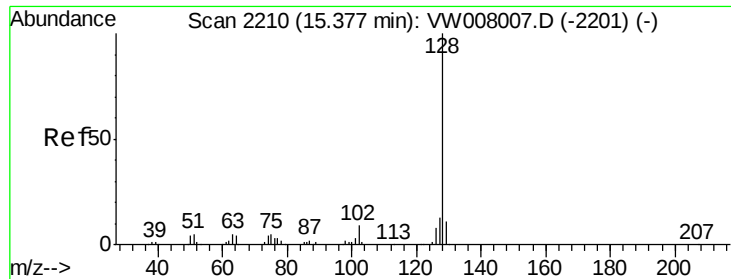
MMDadoda
 1/7/2019 1:22:41 PM



#94
 Hexachlorobutadiene
 Concen: 47.072 ug/l
 RT: 15.24 min Scan# 2188
 Delta R.T. 0.00 min
 Lab File: VW008039.D
 Acq: 04 Jan 2019 11:06

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	28854		
223	62.7	30.6	92.0	
227	63.3	31.3	93.8	





#95

Naphthalene

Concen: 47.489 ug/l

RT: 15.38 min Scan# 2210

Delta R.T. 0.00 min

Lab File: VW008039.D

Acq: 04 Jan 2019 11:06

Instrument :

MSVOA_W

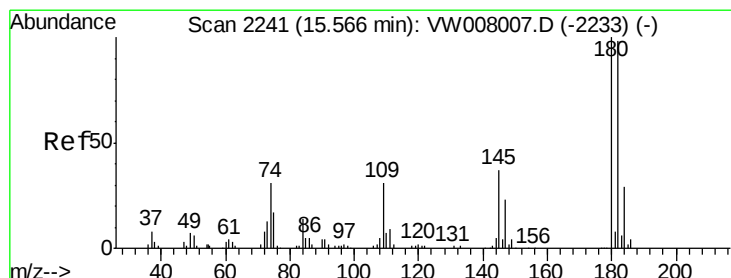
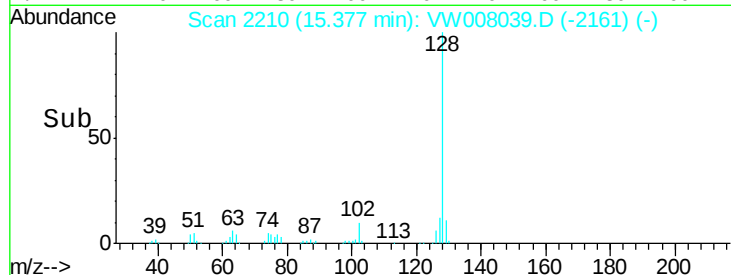
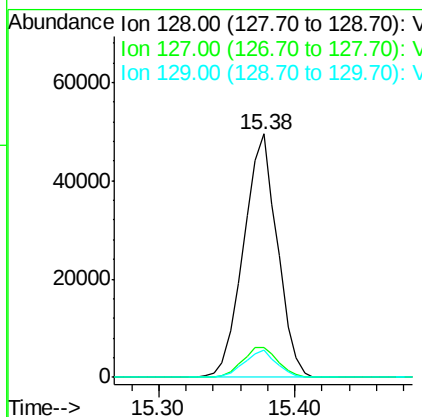
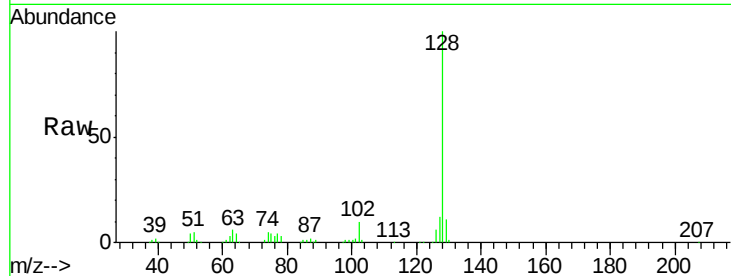
ClientSampleId :

VSTDCCC050

Tot Ion:	128	Resp:	85864
Ion	Ratio	Lower	Upper
128	100		
127	13.0	10.8	16.2
129	10.7	8.8	13.2

Manual Integrations
APPROVED

MMDadoda
1/7/2019 1:22:41 PM



#96

1,2,3-Trichlorobenzene

Concen: 47.978 ug/l

RT: 15.57 min Scan# 2241

Delta R.T. 0.00 min

Lab File: VW008039.D

Acq: 04 Jan 2019 11:06

Tgt Ion:	180	Resp:	41910
Ion	Ratio	Lower	Upper
180	100		
182	91.4	47.9	143.8
145	34.5	18.7	56.1

