

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW082319\
 Data File : VW012157.D
 Acq On : 24 Aug 2019 01:51
 Operator : SY/VA
 Sample : VSTDCCC050
 Misc : 5.00G/5ML/MSVOA W/SOIL
 ALS Vial : 36 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

MMDadoda

8/26/2019 11:38:32 AM

Quant Time: Aug 26 08:33:45 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W082319S.M
 Quant Title : SW846 8260
 QLast Update : Mon Aug 26 07:18:31 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	221049	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	376858	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	334800	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	160448	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.31	65	159864	60.84	ug/l	0.00
Spiked Amount	50.000		Recovery	=	121.68%	
35) Dibromofluoromethane	7.88	113	123206	54.77	ug/l	0.00
Spiked Amount	50.000		Recovery	=	109.54%	
50) Toluene-d8	10.32	98	493157	54.07	ug/l	0.00
Spiked Amount	50.000		Recovery	=	108.14%	
62) 4-Bromofluorobenzene	12.62	95	173908	54.09	ug/l	0.00
Spiked Amount	50.000		Recovery	=	108.18%	

Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.01	85	66769	49.056	ug/l	96
3) Chloromethane	2.21	50	107225	50.849	ug/l	99
4) Vinyl Chloride	2.36	62	126734	49.103	ug/l	97
5) Bromomethane	2.75	94	62290	47.655	ug/l	97
6) Chloroethane	2.90	64	73268	50.322	ug/l	99
7) Trichlorofluoromethane	3.25	101	61618	47.545	ug/l	99
8) Diethyl Ether	3.68	74	70172	57.044	ug/l	97
9) 1,1,2-Trichlorotrifluoroet	4.06	101	107702	48.891	ug/l	99
10) Methyl Iodide	4.27	142	159243	53.427	ug/l	99
11) Tert butyl alcohol	5.18	59	45739	289.239	ug/l	99
12) 1,1-Dichloroethene	4.04	96	111467	50.273	ug/l	99
13) Acrolein	3.89	56	37091	249.173	ug/l	99
14) Allyl chloride	4.66	41	253025	53.380	ug/l	100
15) Acrylonitrile	5.36	53	185477	304.196	ug/l	100
16) Acetone	4.12	43	160205	238.506	ug/l	99
17) Carbon Disulfide	4.38	76	338793	50.559	ug/l	99
18) Methyl Acetate	4.67	43	103384	62.141	ug/l	99
19) Methyl tert-butyl Ether	5.42	73	205644	57.353	ug/l	96
20) Methylene Chloride	4.91	84	133349	52.514	ug/l	96
21) trans-1,2-Dichloroethene	5.42	96	128611	54.092	ug/l	98
22) Diisopropyl ether	6.31	45	509290	57.965	ug/l	96
23) Vinyl Acetate	6.25	43	1596579	295.270	ug/l	100
24) 1,1-Dichloroethane	6.21	63	264396	55.267	ug/l	100
25) 2-Butanone	7.17	43	261319	286.293	ug/l	98
26) 2,2-Dichloropropane	7.17	77	125616	46.391	ug/l	97
27) cis-1,2-Dichloroethene	7.17	96	142280	56.009	ug/l	99
28) Bromochloromethane	7.51	49	118229	56.702	ug/l	100
29) Tetrahydrofuran	7.52	42	173375	316.596	ug/l	99
30) Chloroform	7.67	83	241966	55.284	ug/l	99
31) Cyclohexane	7.95	56	222987	47.112	ug/l	98
32) 1,1,1-Trichloroethane	7.87	97	182418	52.685	ug/l	100
36) 1,1-Dichloropropene	8.08	75	190273	48.858	ug/l	100
37) Ethyl Acetate	7.25	43	120007	56.234	ug/l	99
38) Carbon Tetrachloride	8.07	117	162096	48.090	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.34	83	205694	47.015	ug/l	99
40) Benzene	8.32	78	549471	51.672	ug/l	100
41) Methacrylonitrile	7.48	41	72953	58.164	ug/l	98
42) 1,2-Dichloroethane	8.40	62	181215	54.374	ug/l	100
43) Isopropyl Acetate	8.42	43	223058	56.428	ug/l	99
44) Trichloroethene	9.09	130	130324	50.414	ug/l	99
45) 1,2-Dichloropropane	9.37	63	151106	52.799	ug/l	98
46) Dibromomethane	9.46	93	70825	55.621	ug/l	97
47) Bromodichloromethane	9.65	83	180778	53.344	ug/l	98
48) Methyl methacrylate	9.43	41	109409	58.153	ug/l	97
49) 1,4-Dioxane	9.45	88	22286	1143.254	ug/l	95
51) 4-Methyl-2-Pentanone	10.21	43	581736	289.335	ug/l	100
52) Toluene	10.39	92	330261	51.698	ug/l	100
53) t-1,3-Dichloropropene	10.60	75	185134	53.630	ug/l	100
54) cis-1,3-Dichloropropene	10.07	75	217710	52.232	ug/l	99
55) 1,1,2-Trichloroethane	10.79	97	98073	54.436	ug/l	99
56) Ethyl methacrylate	10.65	69	148615	56.678	ug/l	98
57) 1,3-Dichloropropane	10.93	76	186712	54.841	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.92	63	385157	286.209	ug/l	100
59) 2-Hexanone	10.97	43	393894	276.878	ug/l	100
60) Dibromochloromethane	11.13	129	108725	54.181	ug/l	99
61) 1,2-Dibromoethane	11.24	107	93166	55.508	ug/l	100
64) Tetrachloroethene	10.86	164	110159	50.750	ug/l	97
65) Chlorobenzene	11.66	112	330733	50.168	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.73	131	117731	51.190	ug/l	98
67) Ethyl Benzene	11.73	91	632350	49.794	ug/l	99
68) m/p-Xylenes	11.84	106	458273	100.181	ug/l	99
69) o-Xylene	12.16	106	215954	51.007	ug/l	100
70) Styrene	12.18	104	378696	51.676	ug/l	99
71) Bromoform	12.35	173	61770	53.907	ug/l #	99
73) Isopropylbenzene	12.46	105	582715	48.468	ug/l	98
74) N-amyl acetate	12.27	43	199499	54.923	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.71	83	118859	53.926	ug/l	99
76) 1,2,3-Trichloropropane	12.77	75	83138m	53.203	ug/l	
77) Bromobenzene	12.74	156	132982	51.128	ug/l	99
78) n-propylbenzene	12.80	91	711119	48.451	ug/l	99
79) 2-Chlorotoluene	12.89	91	414681	49.764	ug/l	100
80) 1,3,5-Trimethylbenzene	12.94	105	499275	49.699	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.51	75	36213	50.810	ug/l	96
82) 4-Chlorotoluene	12.99	91	433689	49.706	ug/l	100
83) tert-Butylbenzene	13.21	119	418707	49.203	ug/l	98
84) 1,2,4-Trimethylbenzene	13.25	105	498893	49.437	ug/l	100
85) sec-Butylbenzene	13.38	105	581673	47.710	ug/l	100
86) p-Isopropyltoluene	13.50	119	523914	48.118	ug/l	100
87) 1,3-Dichlorobenzene	13.50	146	250689	49.277	ug/l	99
88) 1,4-Dichlorobenzene	13.58	146	248873	49.268	ug/l	100
89) n-Butylbenzene	13.82	91	507596	46.880	ug/l	100
90) Hexachloroethane	14.09	117	93136	48.755	ug/l	97
91) 1,2-Dichlorobenzene	13.87	146	225547	50.538	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.49	75	19981	53.774	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.13	180	151551	49.138	ug/l	99
94) Hexachlorobutadiene	15.24	225	95177	46.736	ug/l	98
95) Naphthalene	15.36	128	300620	49.701	ug/l	100
96) 1,2,3-Trichlorobenzene	15.55	180	136925	50.885	ug/l	98

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 991

Delta R.T. 0.00 min

Lab File: VW012157.D

Acq: 24 Aug 2019 01:51

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

Tot Ion:168 Resp: 221049

Ion Ratio Lower Upper

168 100

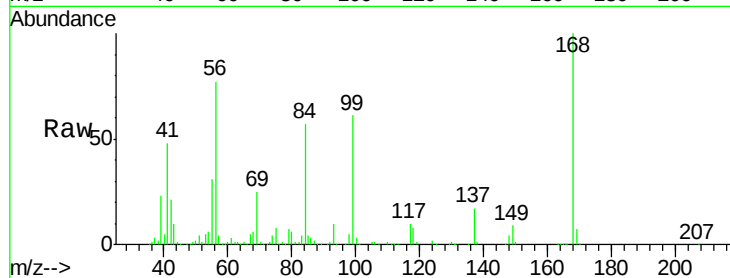
99 60.4 49.2 73.8

Manual Integrations

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW

7.95

120000

100000

80000

60000

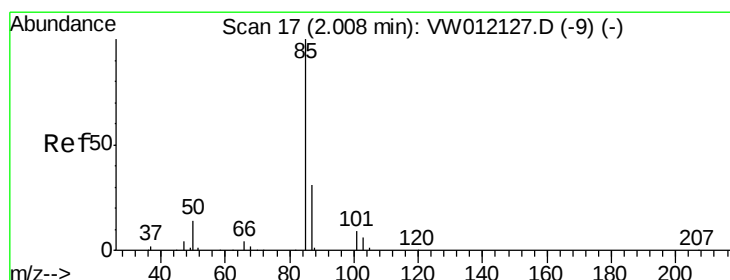
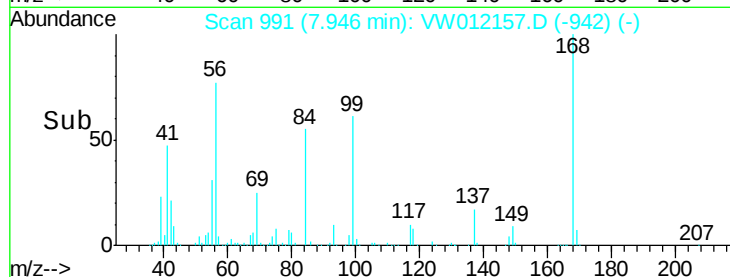
40000

20000

0

7.85 7.90 7.95 8.00 8.05

Time-->



#2

Dichlorodifluoromethane

Concen: 49.056 ug/l

RT: 2.01 min Scan# 17

Delta R.T. 0.00 min

Lab File: VW012157.D

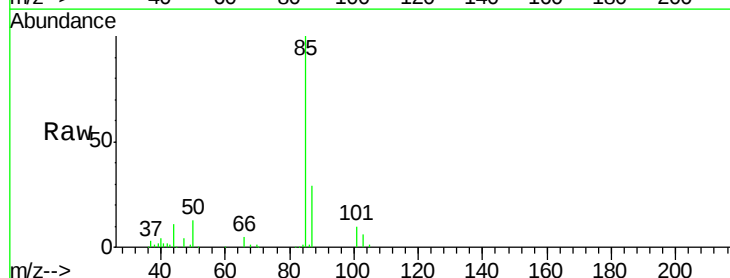
Acq: 24 Aug 2019 01:51

Tgt Ion: 85 Resp: 66769

Ion Ratio Lower Upper

85 100

87 29.1 15.6 46.8



Abundance Ion 84.90 (84.60 to 85.60): VW

Ion 86.90 (86.60 to 87.60): VW

2.01

25000

20000

15000

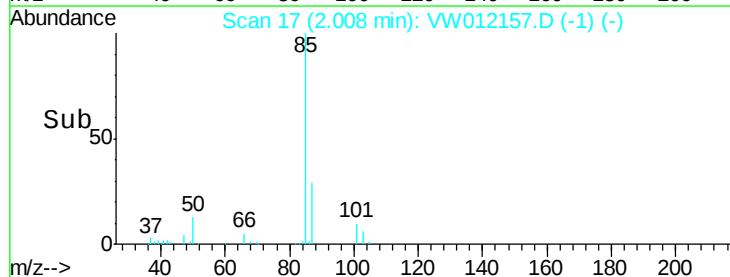
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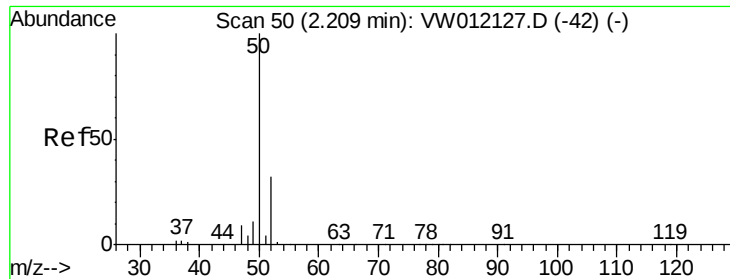
5000

0

1.90 2.00 2.10 2.20

Time-->





#3

Chloromethane

Concen: 50.849 ug/l

RT: 2.21 min Scan# 50

Delta R.T. 0.00 min

Lab File: VW012157.D

Acq: 24 Aug 2019 01:51

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

Tot Ion: 50 Resp: 107225

Ion Ratio Lower Upper

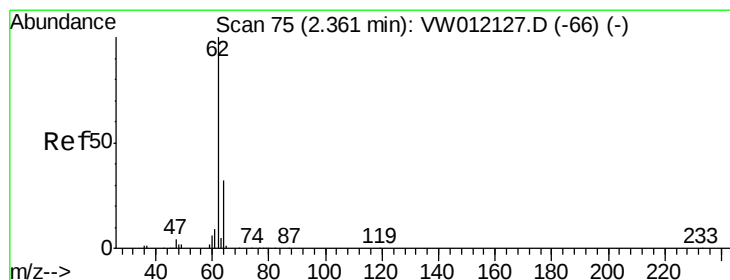
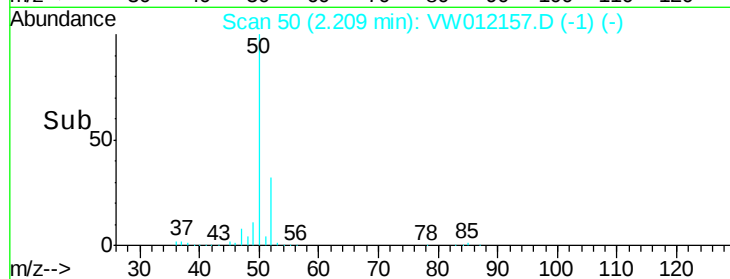
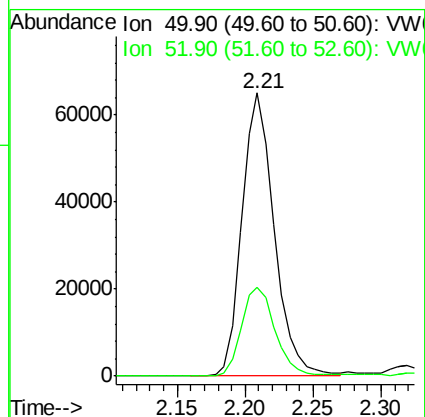
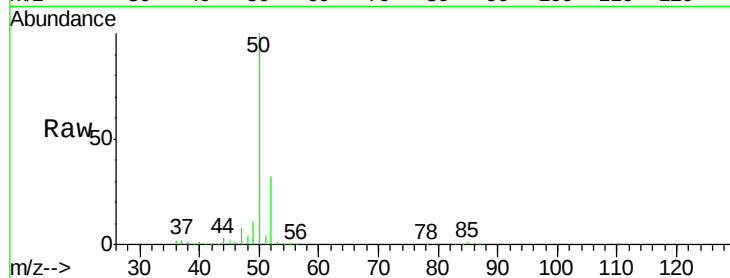
50 100

52 31.6 25.5 38.3

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#4

Vinyl Chloride

Concen: 49.103 ug/l

RT: 2.36 min Scan# 75

Delta R.T. 0.00 min

Lab File: VW012157.D

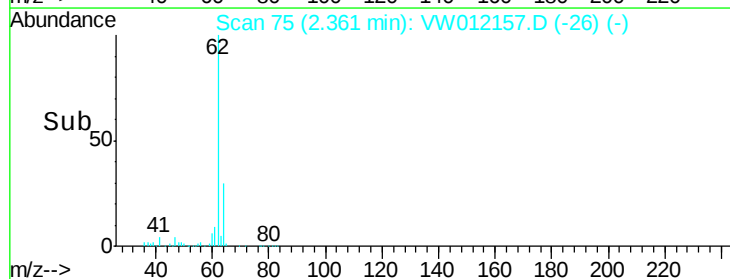
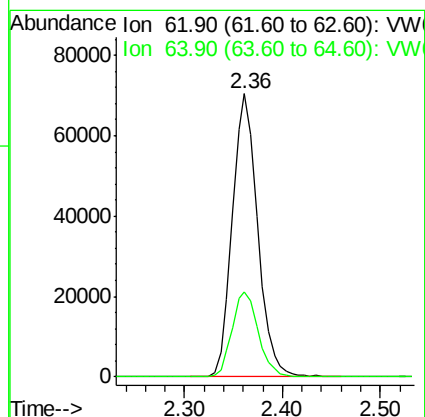
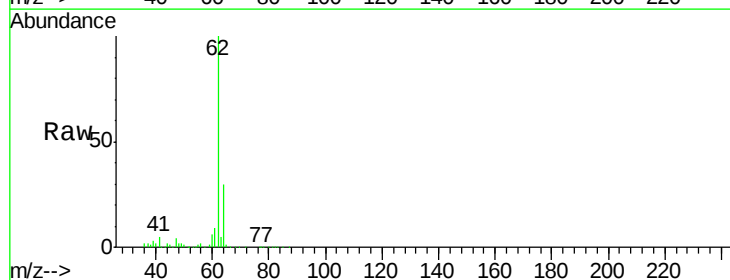
Acq: 24 Aug 2019 01:51

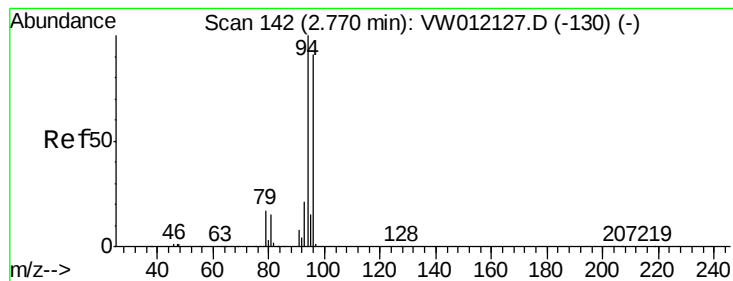
Tgt Ion: 62 Resp: 126734

Ion Ratio Lower Upper

62 100

64 30.0 25.3 37.9





#5

Bromomethane

Concen: 47.655 ug/l

RT: 2.75 min Scan# 138

Delta R.T. -0.02 min

Lab File: VW012157.D

Acq: 24 Aug 2019 01:51

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

Tot Ion: 94 Resp: 62290

Ion Ratio Lower Upper

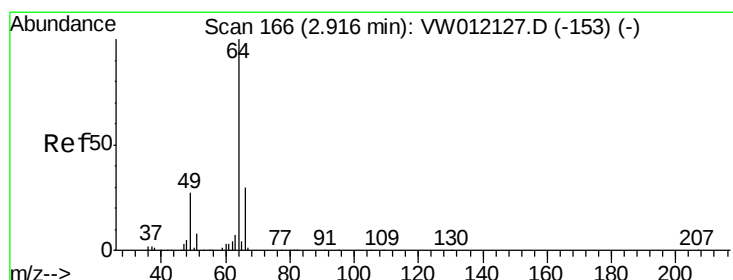
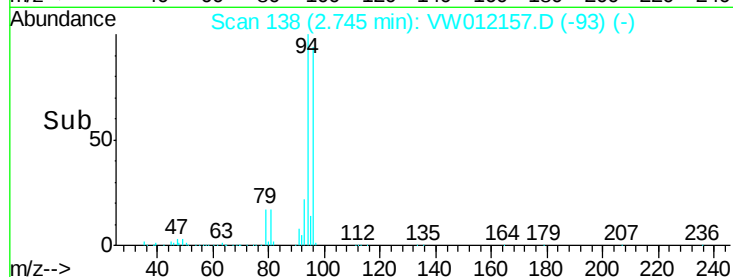
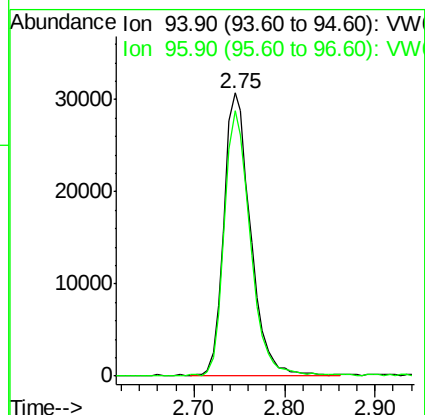
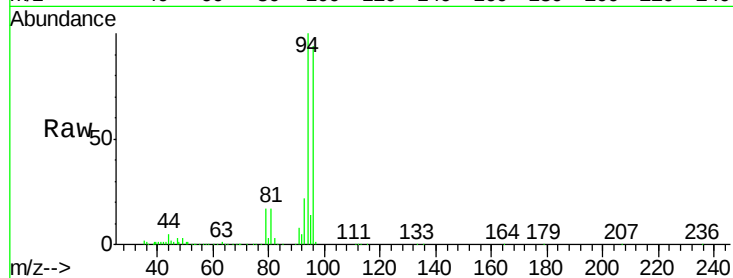
94 100

96 93.7 72.9 109.3

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APPROVED

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#6

Chloroethane

Concen: 50.322 ug/l

RT: 2.90 min Scan# 164

Delta R.T. -0.01 min

Lab File: VW012157.D

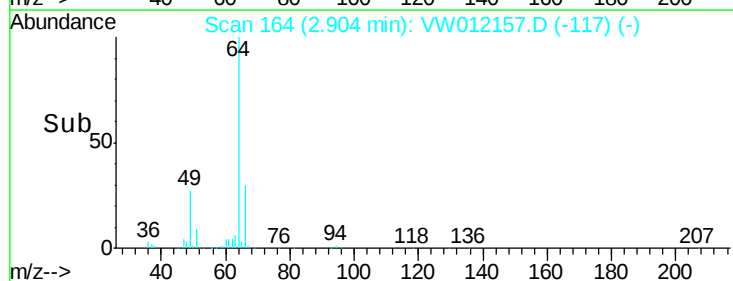
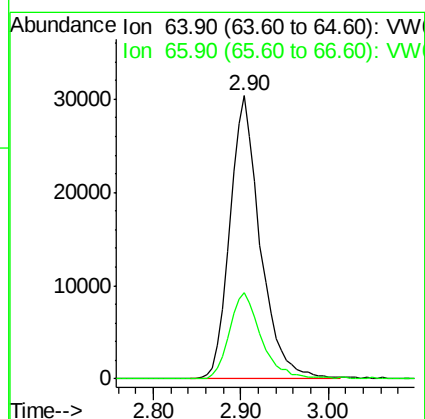
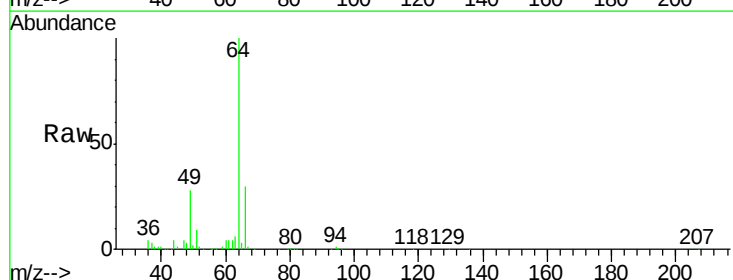
Acq: 24 Aug 2019 01:51

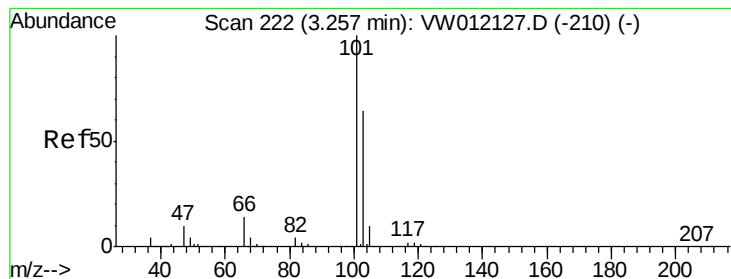
Tgt Ion: 64 Resp: 73268

Ion Ratio Lower Upper

64 100

66 30.4 23.8 35.8





#7

Trichlorofluoromethane
Concen: 47.545 ug/l
RT: 3.25 min Scan# 220
Delta R.T. -0.01 min
Lab File: VW012157.D
Acq: 24 Aug 2019 01:51

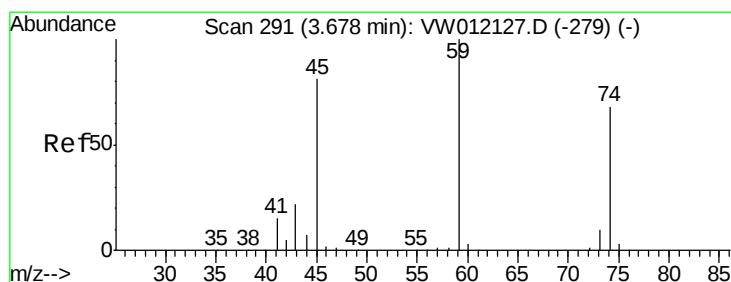
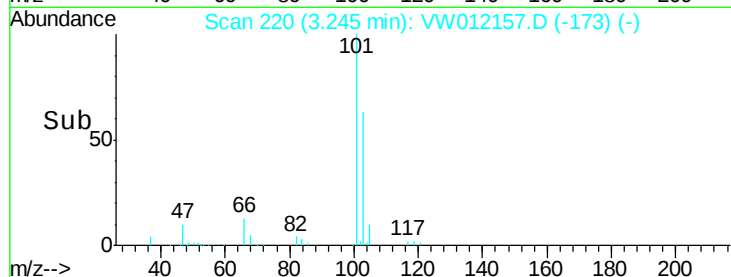
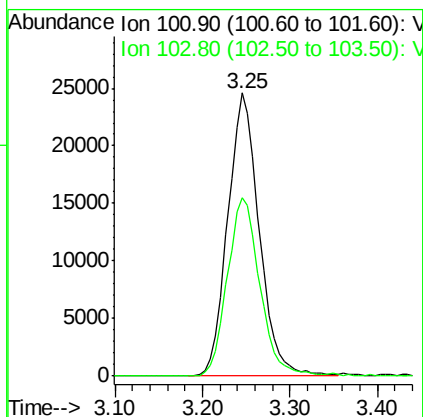
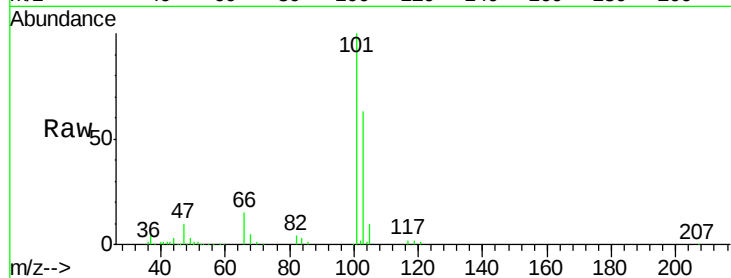
Instrument :
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Tot Ion	Ratio	Lower	Upper
101	100		
103	63.0	51.2	76.8

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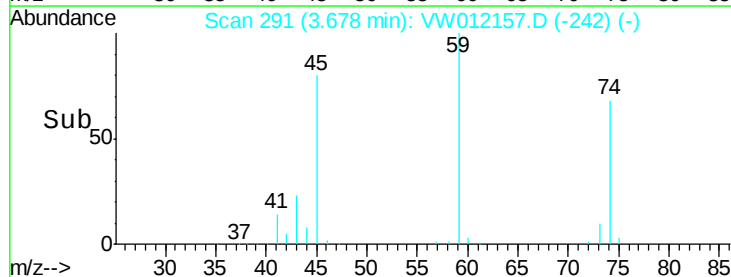
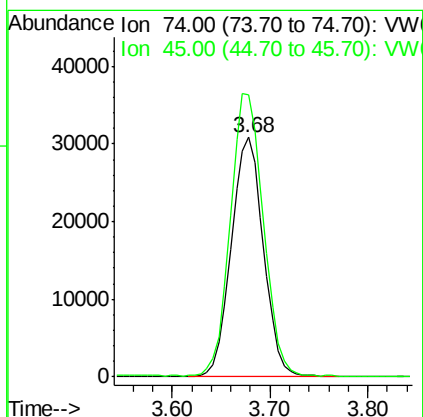
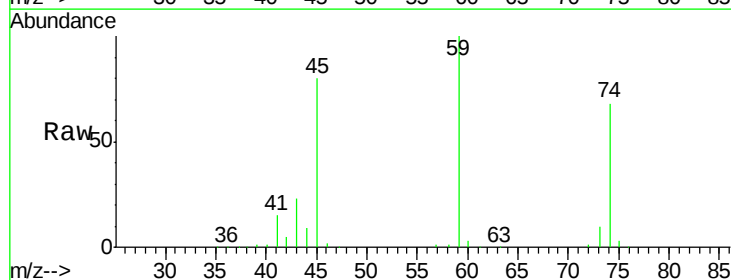
8/26/2019 11:38:32 AM

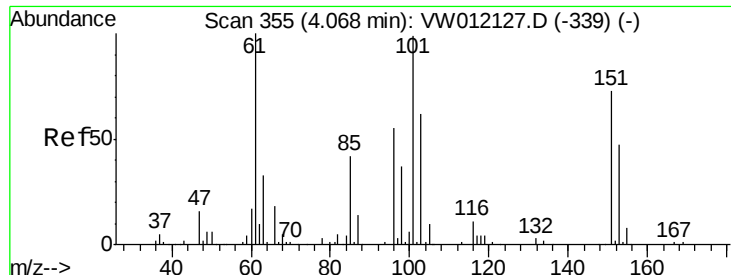


#8

Diethyl Ether
Concen: 57.044 ug/l
RT: 3.68 min Scan# 291
Delta R.T. 0.00 min
Lab File: VW012157.D
Acq: 24 Aug 2019 01:51

Tgt Ion	Ratio	Lower	Upper
74	100		
45	121.3	59.2	177.6





#9

1,1,2-Trichlorotrifluoroethane

Concen: 48.891 ug/l

RT: 4.06 min Scan# 353

Delta R.T. -0.01 min

Lab File: VW012157.D

Acq: 24 Aug 2019 01:51

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

Tot Ion:101 Resp: 107702

Ion Ratio Lower Upper

101 100

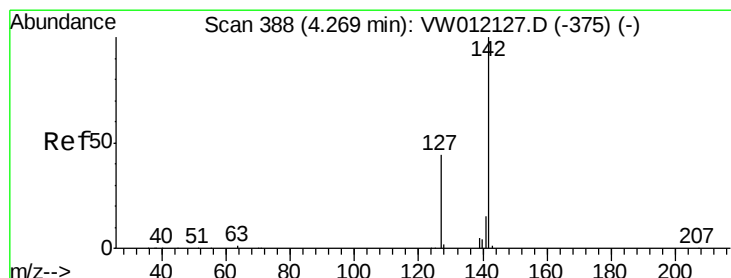
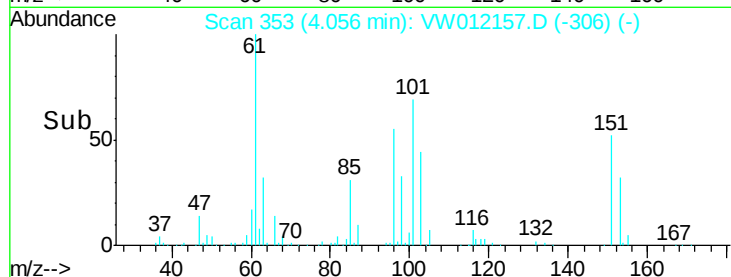
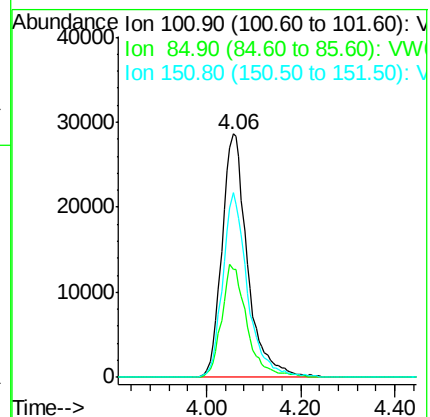
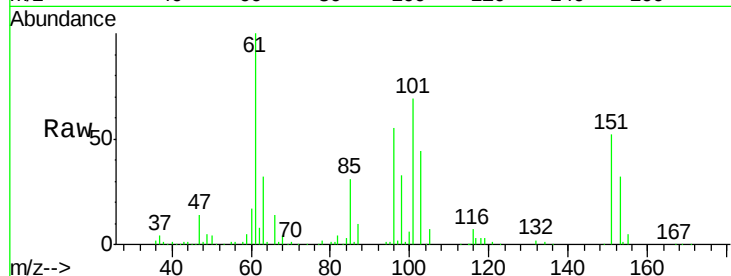
85 45.5 35.8 53.6

151 73.6 58.6 87.8

Manual Integrations
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#10

Methyl Iodide

Concen: 53.427 ug/l

RT: 4.27 min Scan# 388

Delta R.T. 0.00 min

Lab File: VW012157.D

Acq: 24 Aug 2019 01:51

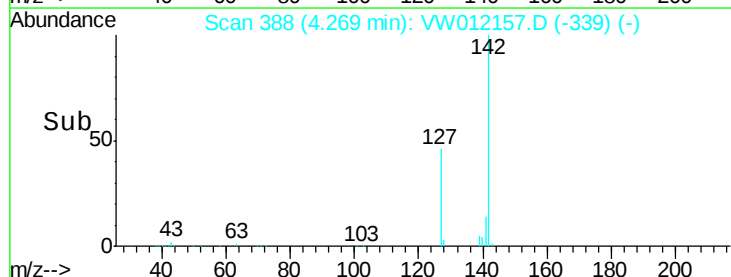
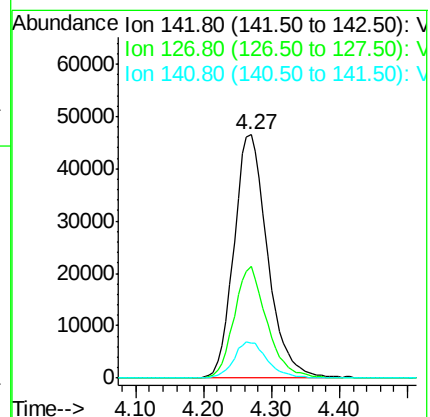
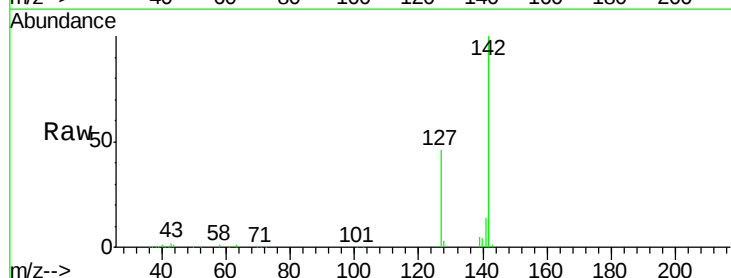
Tgt Ion:142 Resp: 159243

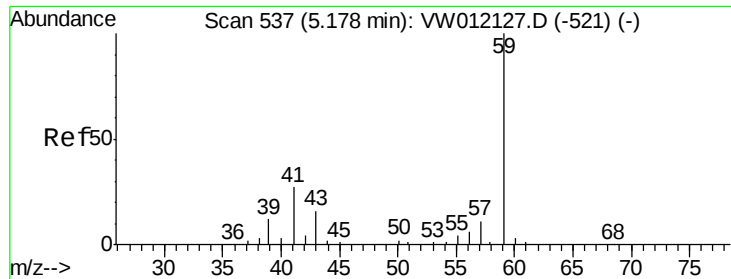
Ion Ratio Lower Upper

142 100

127 44.9 35.5 53.3

141 14.8 11.8 17.8





#11
Tert butyl alcohol
Concen: 289.239 ug/l
RT: 5.18 min Scan# 537
Delta R.T. 0.00 min
Lab File: VW012157.D
Acq: 24 Aug 2019 01:51

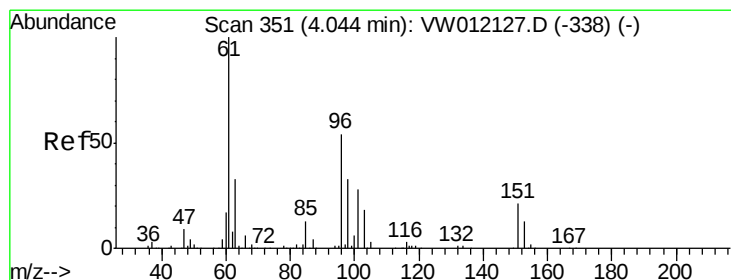
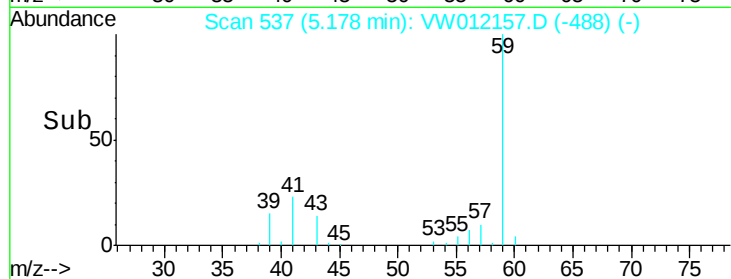
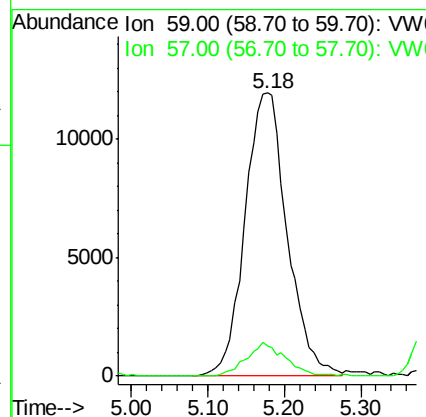
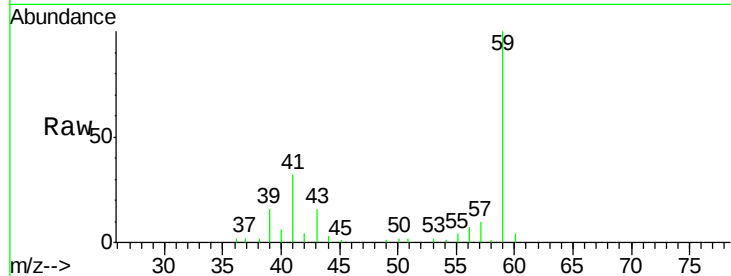
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
59	100		
57	10.9	9.0	13.4

Manual Integrations
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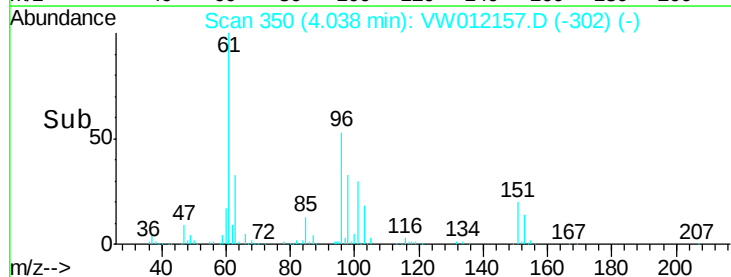
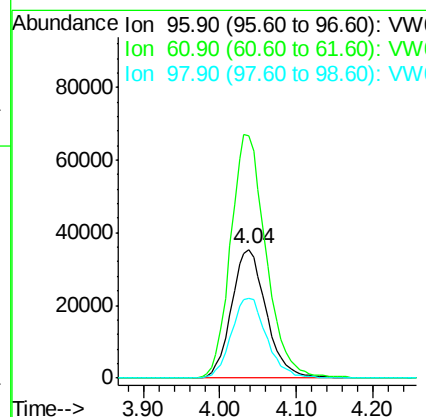
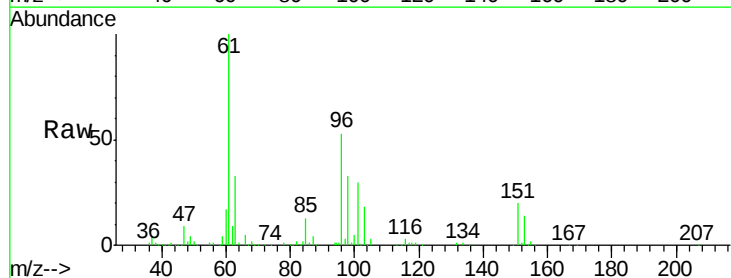
MMDadoda

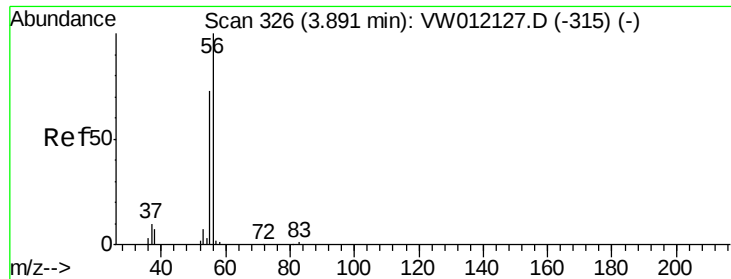
8/26/2019 11:38:32 AM



#12
1,1-Dichloroethene
Concen: 50.273 ug/l
RT: 4.04 min Scan# 350
Delta R.T. -0.01 min
Lab File: VW012157.D
Acq: 24 Aug 2019 01:51

Tgt Ion	Ratio	Lower	Upper
96	100		
61	187.3	149.1	223.7
98	61.3	49.4	74.2





#13

Acrolein

Concen: 249.173 ug/l

RT: 3.89 min Scan# 326

Delta R.T. 0.00 min

Lab File: VW012157.D

Acq: 24 Aug 2019 01:51

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

Tot Ion: 56 Resp: 37091

Ion Ratio Lower Upper

56 100

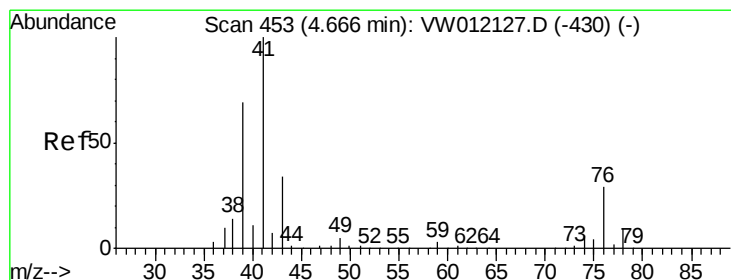
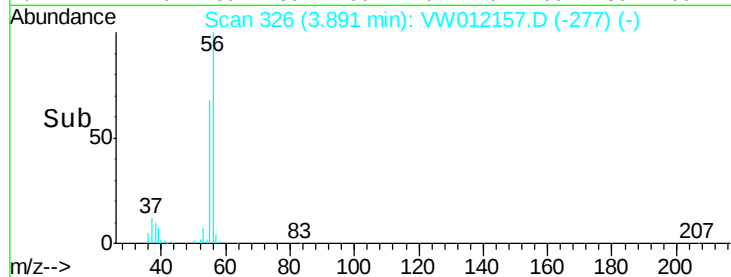
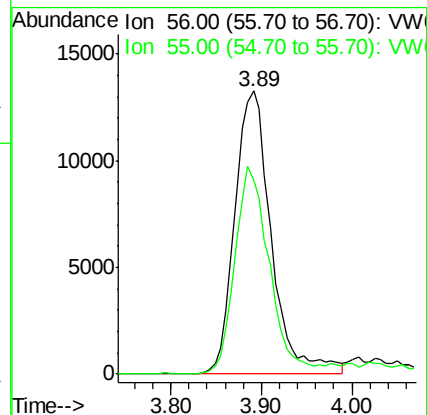
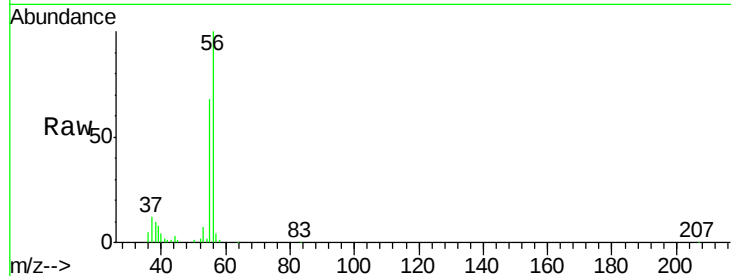
55 68.8 55.8 83.8

Manual Integrations

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#14

Allyl chloride

Concen: 53.380 ug/l

RT: 4.66 min Scan# 452

Delta R.T. -0.01 min

Lab File: VW012157.D

Acq: 24 Aug 2019 01:51

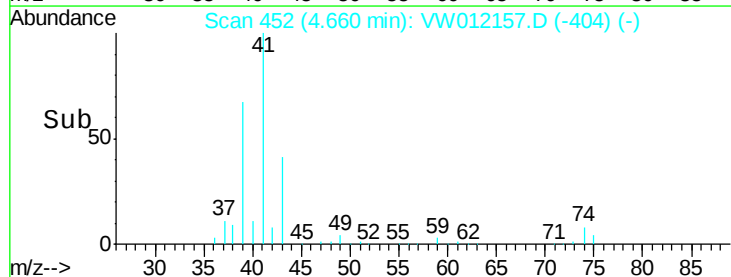
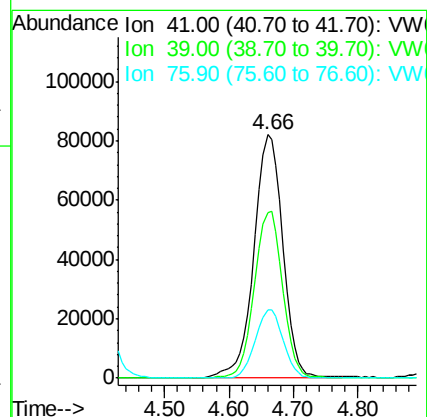
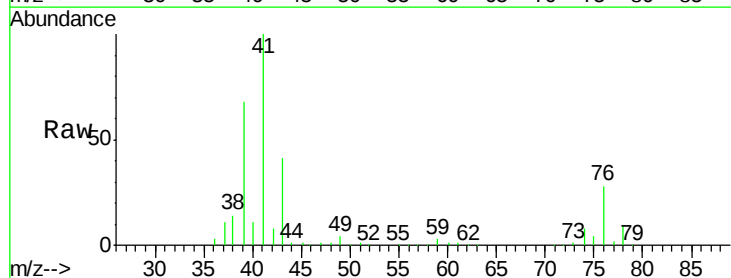
Tgt Ion: 41 Resp: 253025

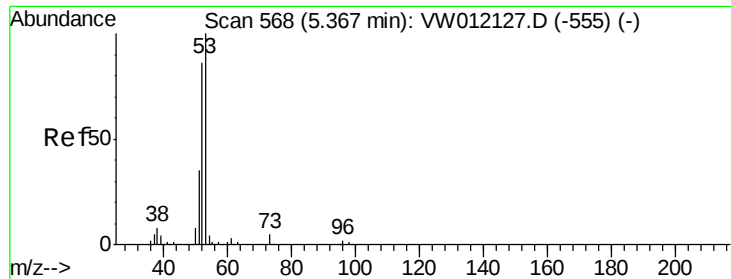
Ion Ratio Lower Upper

41 100

39 66.9 53.4 80.2

76 27.2 22.1 33.1





#15

Acrylonitrile

Concen: 304.196 ug/l

RT: 5.36 min Scan# 567

Delta R.T. -0.01 min

Lab File: VW012157.D

Acq: 24 Aug 2019 01:51

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

Tot Ion: 53 Resp: 185477

Ion Ratio Lower Upper

53 100

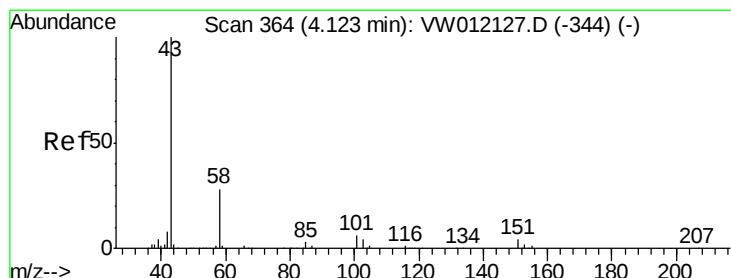
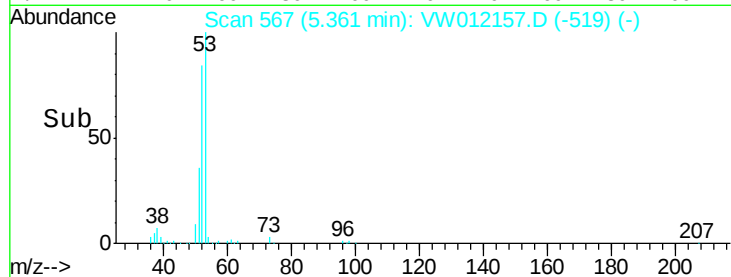
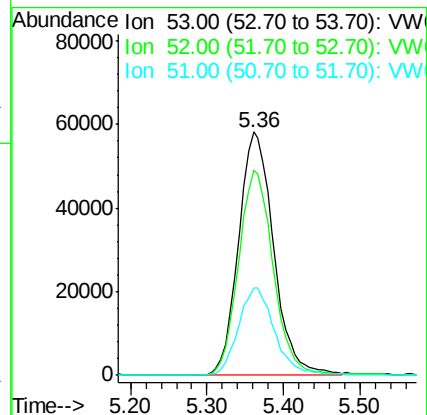
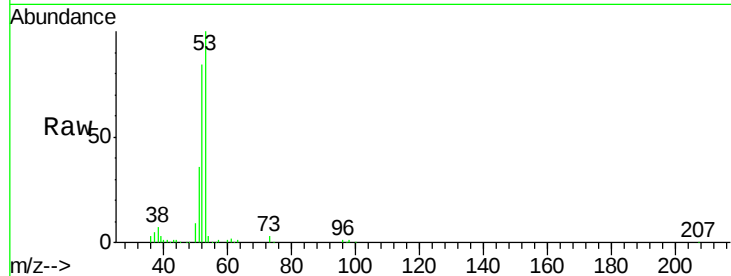
52 83.4 66.7 100.1

51 37.1 30.1 45.1

Manual Integrations
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#16

Acetone

Concen: 238.506 ug/l

RT: 4.12 min Scan# 364

Delta R.T. 0.00 min

Lab File: VW012157.D

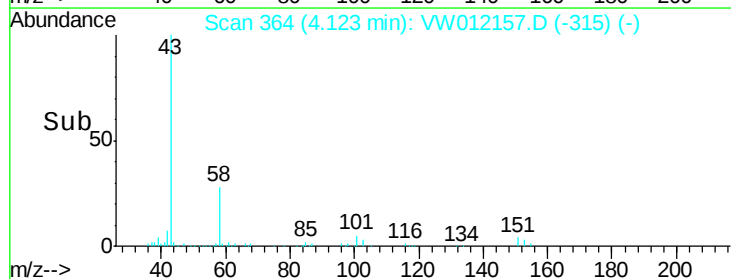
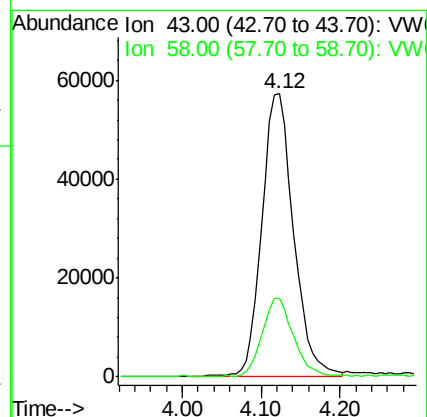
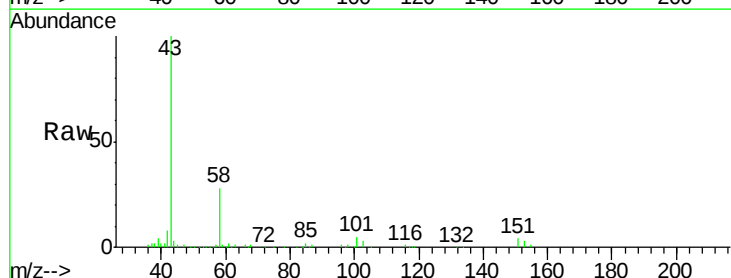
Acq: 24 Aug 2019 01:51

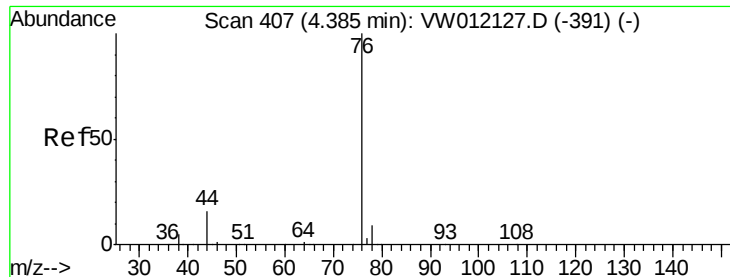
Tgt Ion: 43 Resp: 160205

Ion Ratio Lower Upper

43 100

58 27.4 22.4 33.6





#17
Carbon Disulfide
Concen: 50.559 ug/l
RT: 4.38 min Scan# 406
Delta R.T. -0.01 min
Lab File: VW012157.D
Acq: 24 Aug 2019 01:51

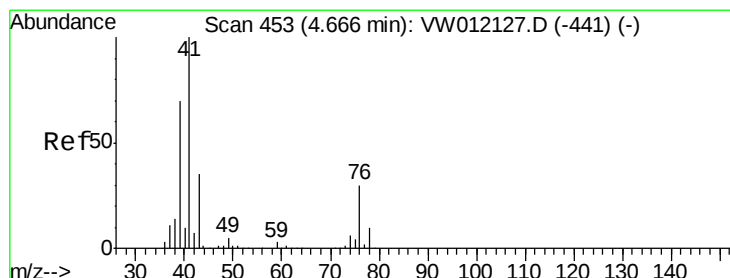
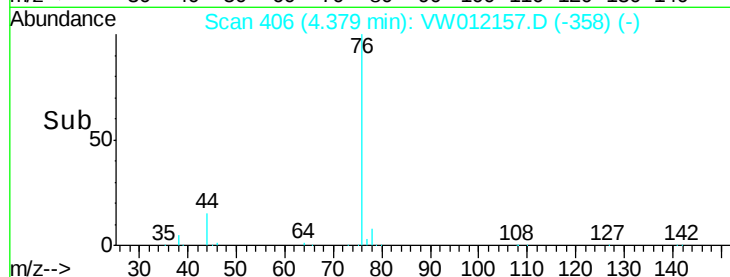
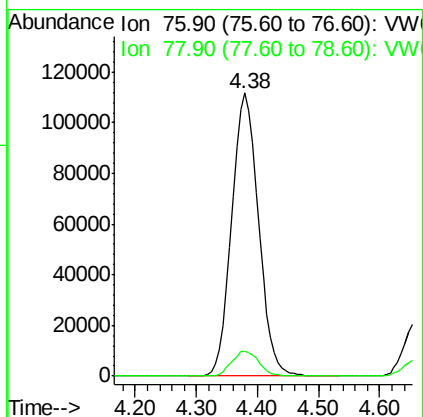
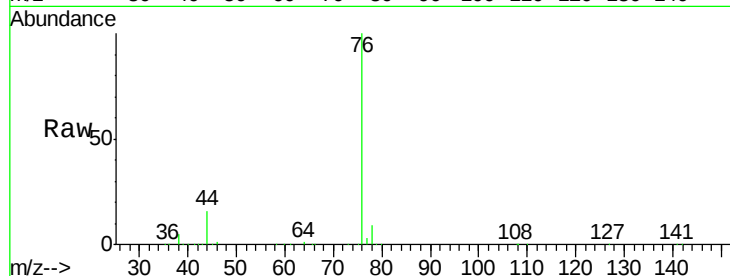
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
76	100		
78	8.9	7.3	10.9

Manual Integrations
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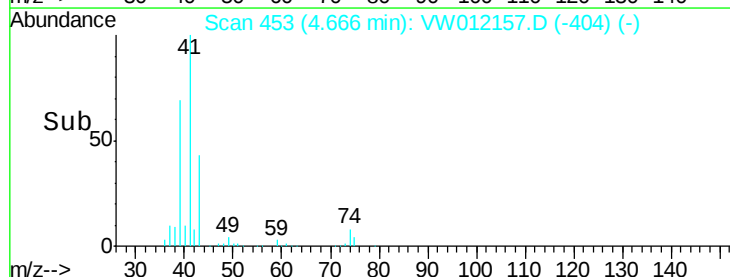
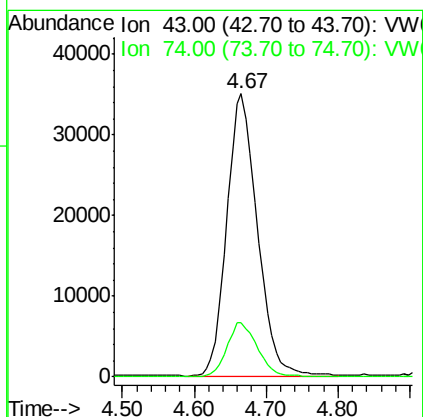
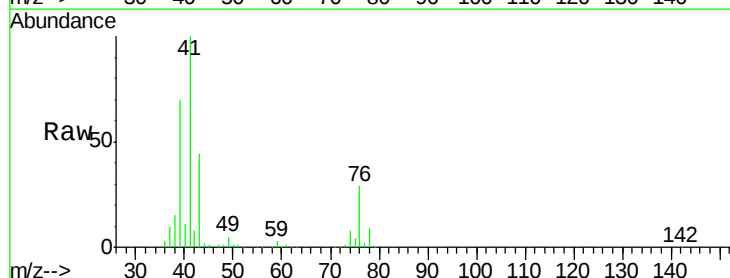
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#18
Methyl Acetate
Concen: 62.141 ug/l
RT: 4.67 min Scan# 453
Delta R.T. 0.00 min
Lab File: VW012157.D
Acq: 24 Aug 2019 01:51

Tgt Ion	Ratio	Lower	Upper
43	100		
74	19.3	15.7	23.5





#19
Methvl tert-butvl Ether
Concen: 57.353 ug/l
RT: 5.42 min Scan# 577
Delta R.T. -0.01 min
Lab File: VW012157.D
Acq: 24 Aug 2019 01:51

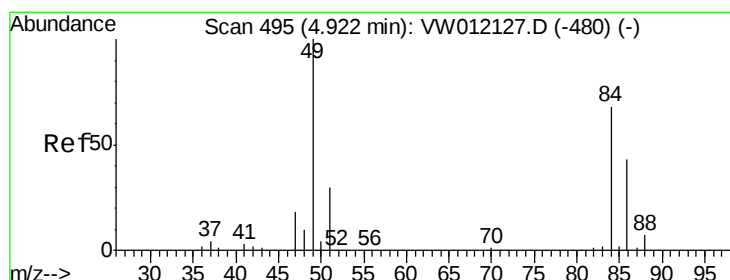
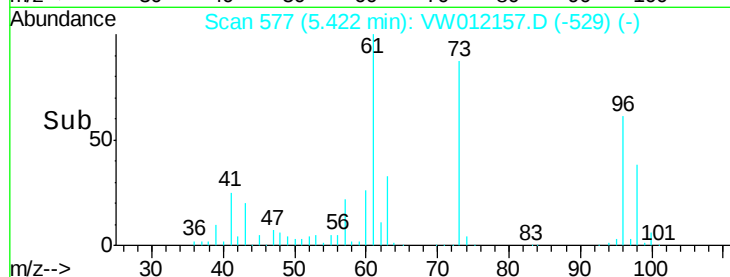
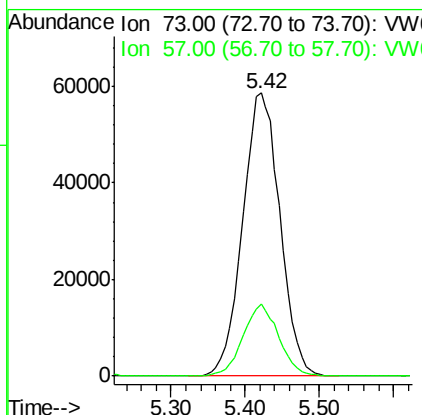
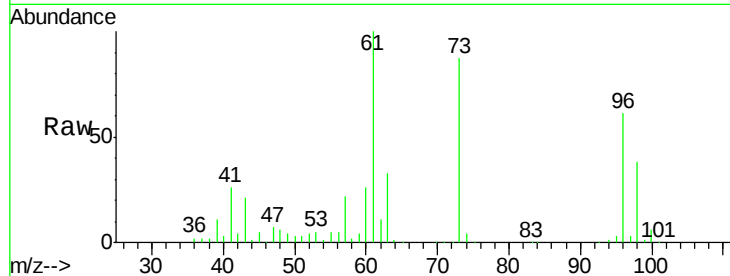
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tot Ion: 73 Resp: 205644
Ion Ratio Lower Upper
73 100
57 25.5 18.9 28.3

Manual Integrations
APPROVED

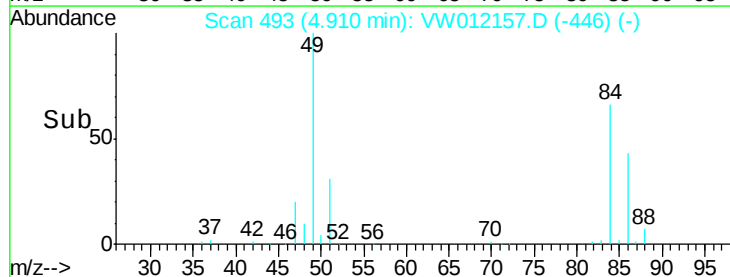
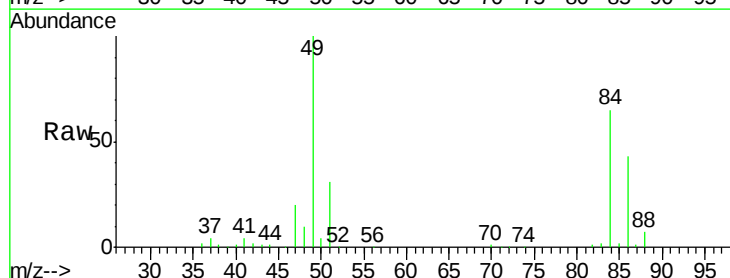
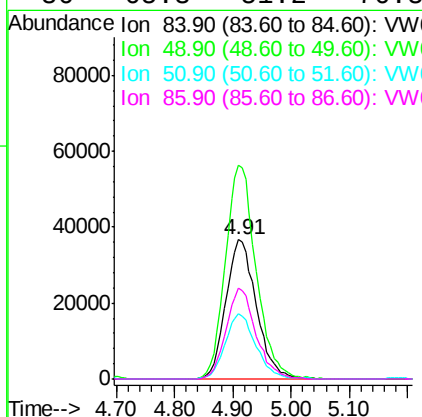
MMDadoda

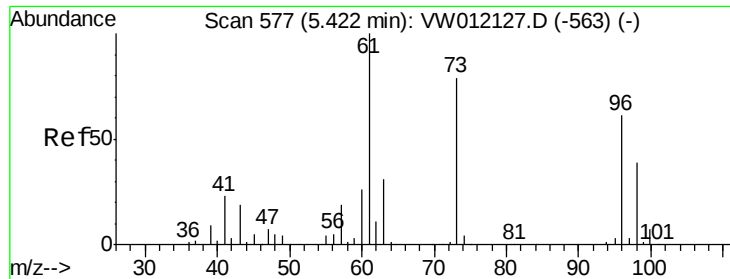
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#20
Methylene Chloride
Concen: 52.514 ug/l
RT: 4.91 min Scan# 493
Delta R.T. -0.01 min
Lab File: VW012157.D
Acq: 24 Aug 2019 01:51

Tgt Ion: 84 Resp: 133349
Ion Ratio Lower Upper
84 100
49 153.3 117.8 176.8
51 47.2 35.6 53.4
86 65.3 51.2 76.8





#21
trans-1,2-Dichloroethene
Concen: 54.092 ug/l
RT: 5.42 min Scan# 576
Delta R.T. -0.01 min
Lab File: VW012157.D
Acq: 24 Aug 2019 01:51

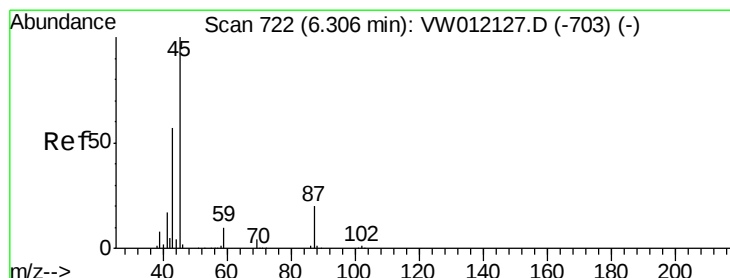
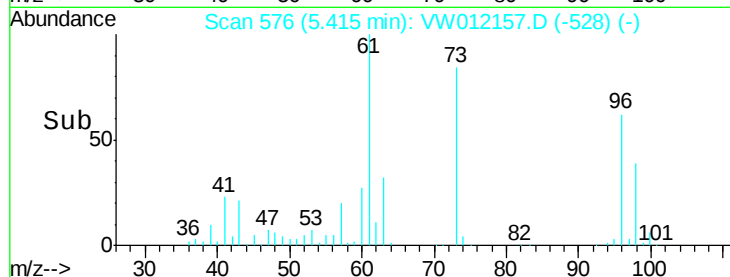
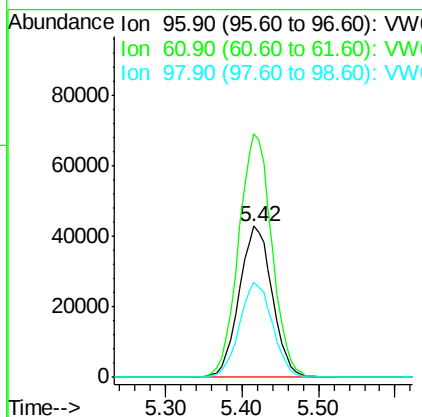
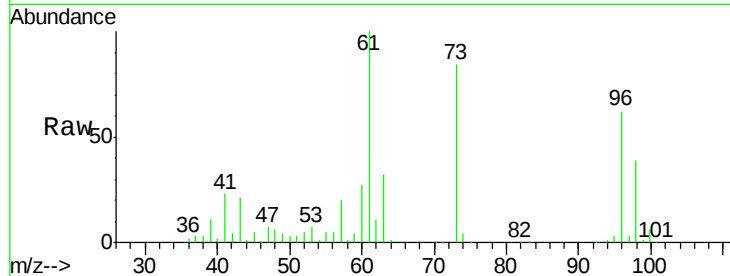
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
96	100		
61	161.1	131.4	197.0
98	62.7	51.4	77.0

Manual Integrations
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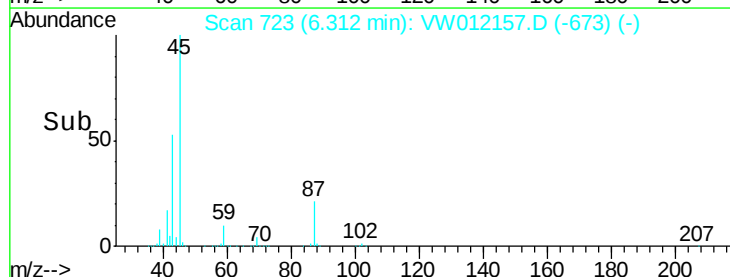
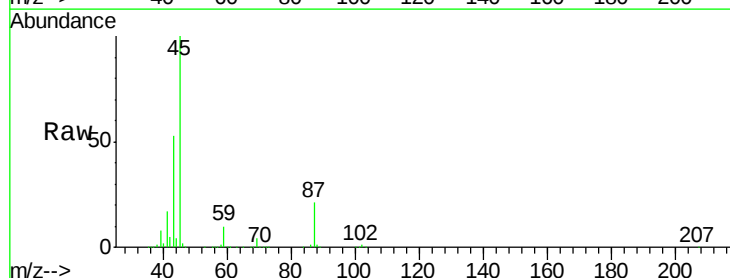
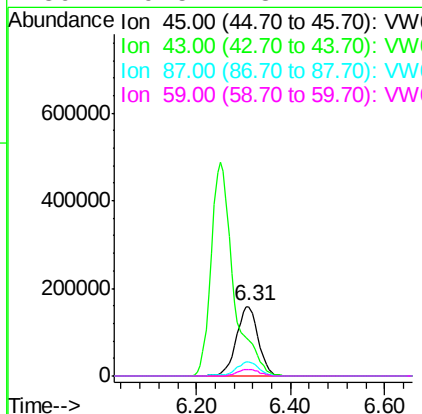
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#22
Diisopropyl ether
Concen: 57.965 ug/l
RT: 6.31 min Scan# 723
Delta R.T. 0.01 min
Lab File: VW012157.D
Acq: 24 Aug 2019 01:51

Tgt Ion	Ratio	Lower	Upper
45	100		
43	52.5	45.5	68.3
87	20.7	16.1	24.1
59	9.5	8.2	12.2





#23

Vinyl Acetate

Concen: 295.270 ug/l

RT: 6.25 min Scan# 713

Delta R.T. 0.00 min

Lab File: VW012157.D

Acq: 24 Aug 2019 01:51

Instrument :

MSVOA_W

ClientSampleId :

VSTDC0050EC

Tot Ion: 43 Resp: 1596579

Ion Ratio Lower Upper

43 100

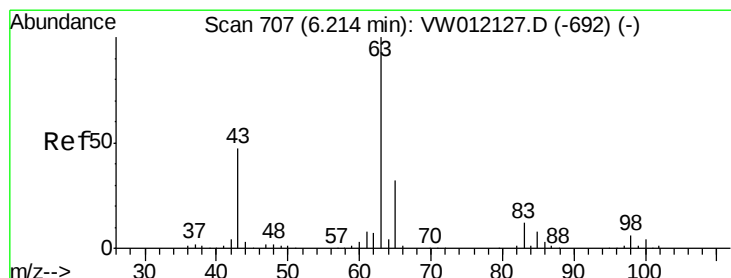
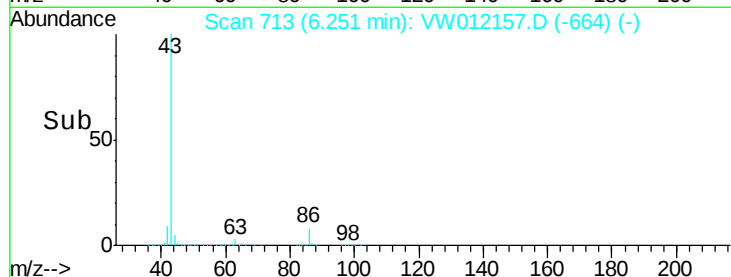
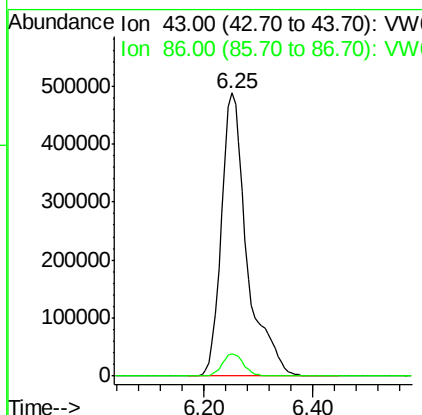
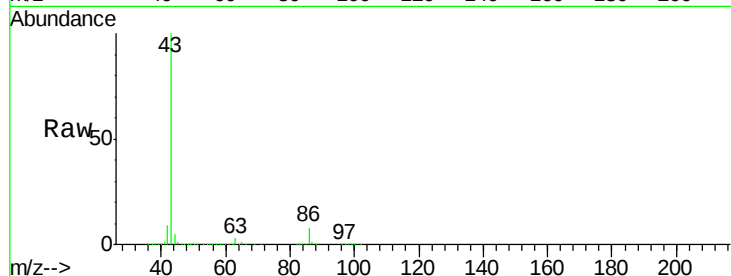
86 8.1 6.5 9.7

Manual Integrations

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#24

1,1-Dichloroethane

Concen: 55.267 ug/l

RT: 6.21 min Scan# 706

Delta R.T. -0.01 min

Lab File: VW012157.D

Acq: 24 Aug 2019 01:51

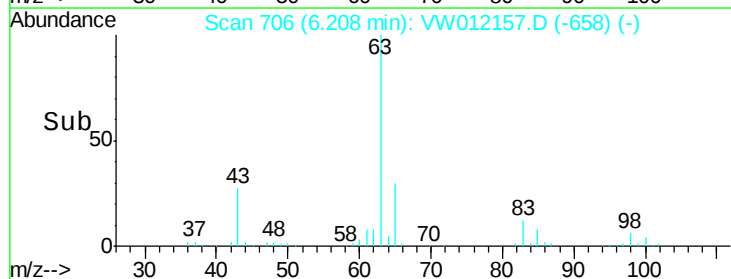
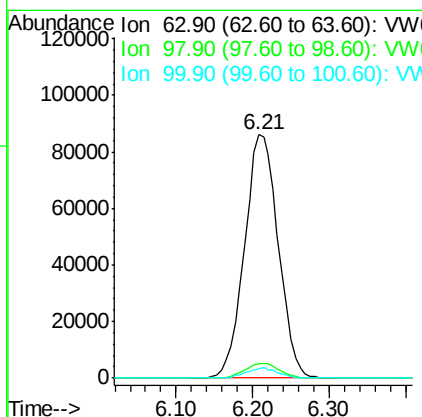
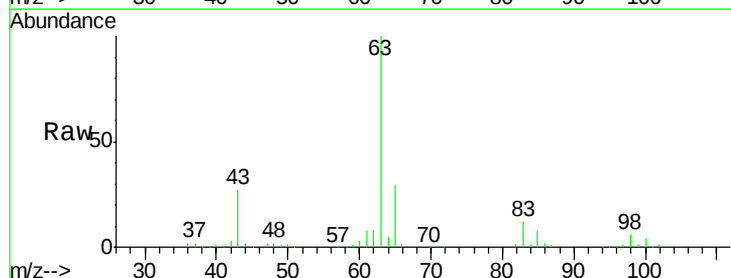
Tgt Ion: 63 Resp: 264396

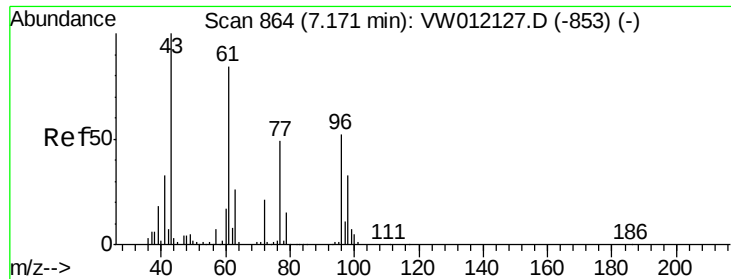
Ion Ratio Lower Upper

63 100

98 5.9 3.0 9.2

100 4.0 2.0 6.0





#25

2-Butanone

Concen: 286.293 ug/l

RT: 7.17 min Scan# 864

Delta R.T. 0.00 min

Lab File: VW012157.D

Acq: 24 Aug 2019 01:51

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

Tot Ion: 43 Resp: 261319

Ion Ratio Lower Upper

43 100

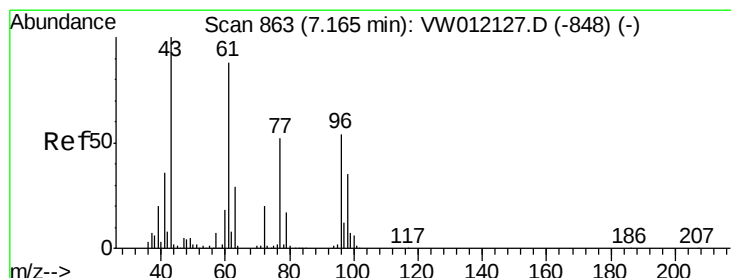
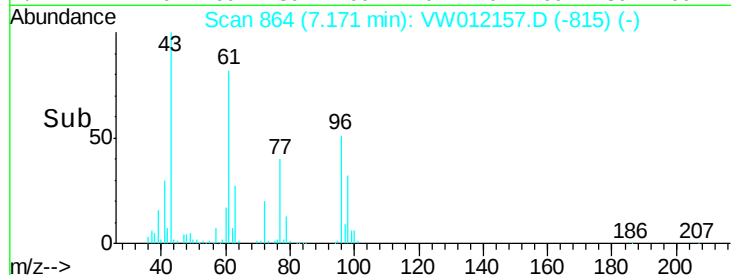
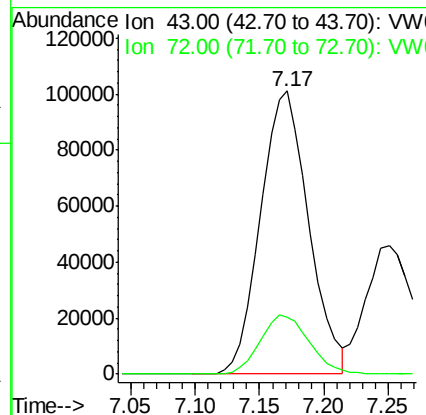
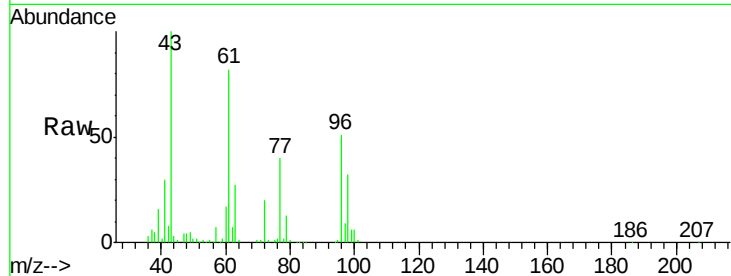
72 20.0 16.6 24.8

Manual Integrations

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#26

2,2-Dichloropropane

Concen: 46.391 ug/l

RT: 7.17 min Scan# 863

Delta R.T. 0.00 min

Lab File: VW012157.D

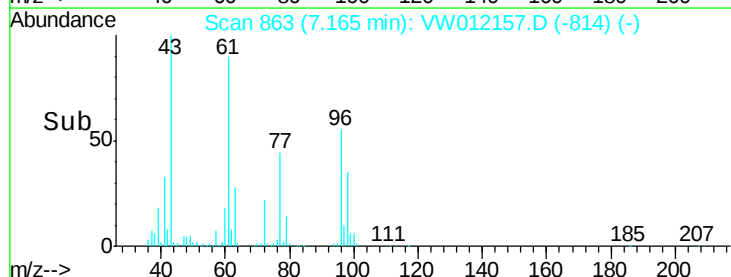
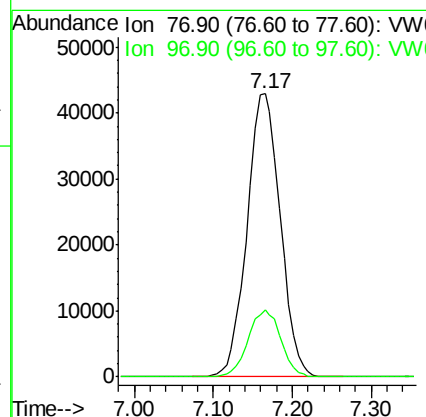
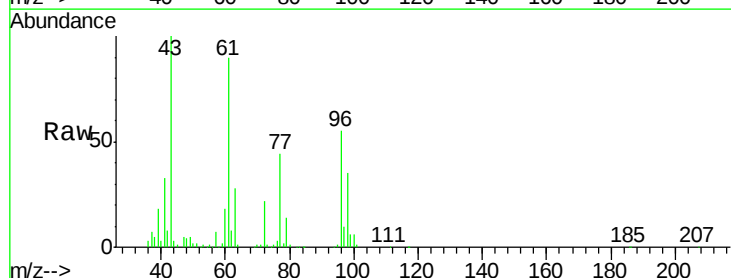
Acq: 24 Aug 2019 01:51

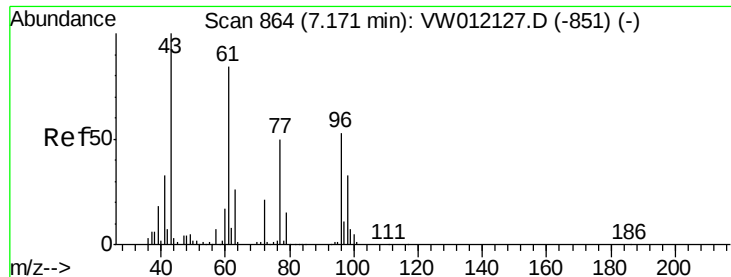
Tgt Ion: 77 Resp: 125616

Ion Ratio Lower Upper

77 100

97 23.3 11.1 33.1





#27
 cis-1,2-Dichloroethene
 Concen: 56.009 ug/l
 RT: 7.17 min Scan# 863
 Delta R.T. -0.01 min
 Lab File: VW012157.D
 Acq: 24 Aug 2019 01:51

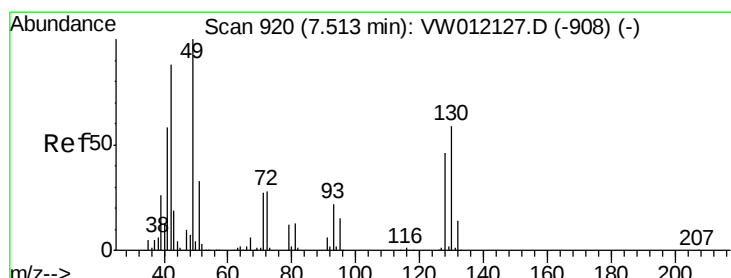
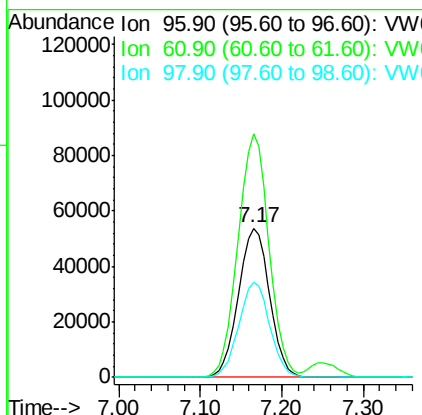
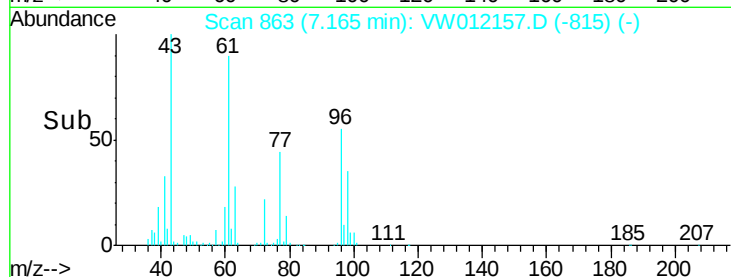
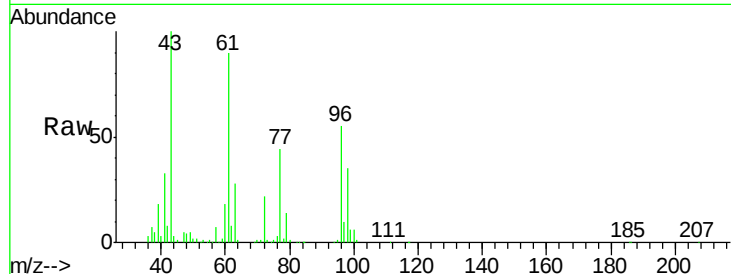
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
96	100	142280		
61	162.5	0.0	326.6	
98	63.4	0.0	127.4	

Manual Integrations
 APPROVED

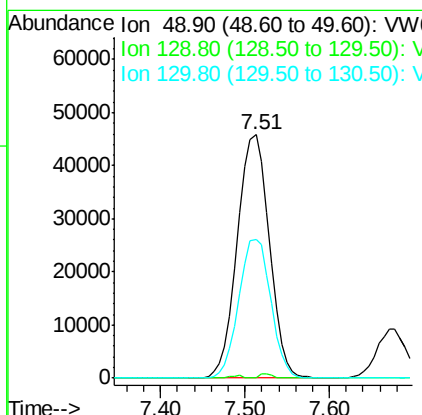
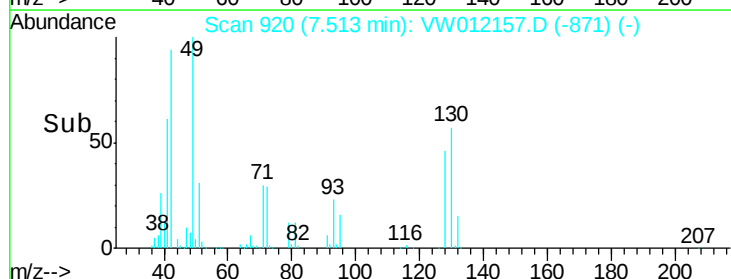
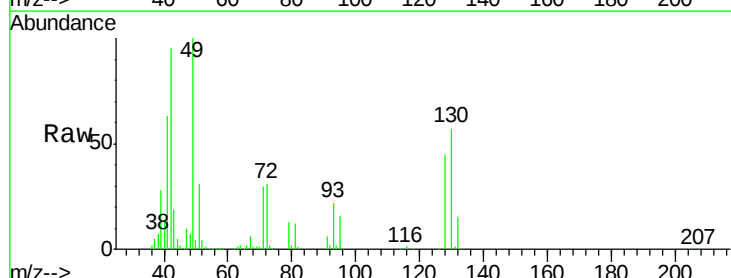
MMDadoda

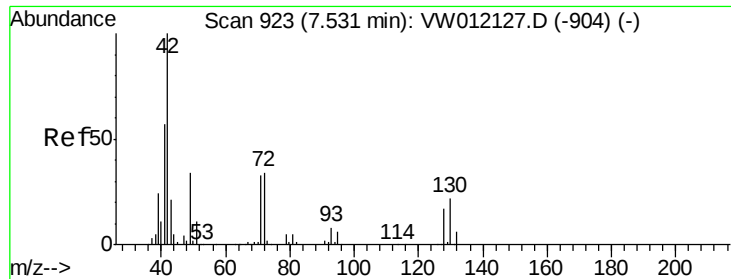
8/26/2019 11:38:32 AM



#28
 Bromochloromethane
 Concen: 56.702 ug/l
 RT: 7.51 min Scan# 920
 Delta R.T. 0.00 min
 Lab File: VW012157.D
 Acq: 24 Aug 2019 01:51

Tgt Ion	Ratio	Resp	Lower	Upper
49	100	118229		
129	0.7	0.0	1.4	
130	56.8	45.5	68.3	





#29
Tetrahydrofuran
Concen: 316.596 ug/l
RT: 7.52 min Scan# 922
Delta R.T. -0.01 min
Lab File: VW012157.D
Acq: 24 Aug 2019 01:51

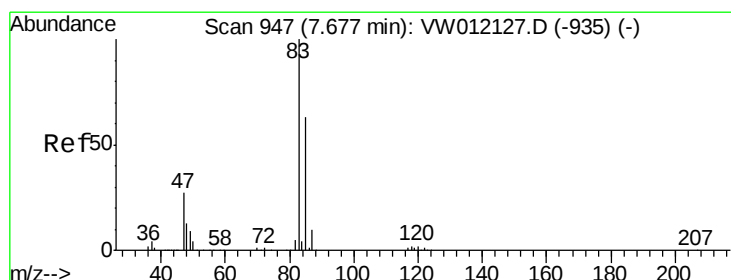
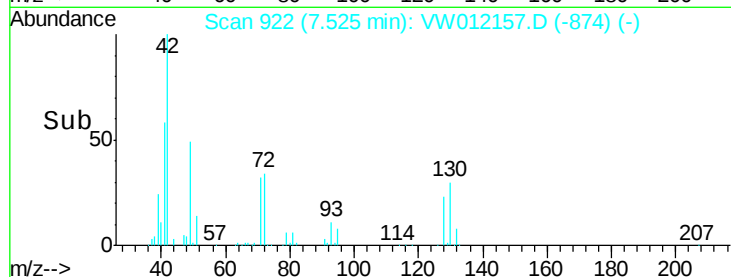
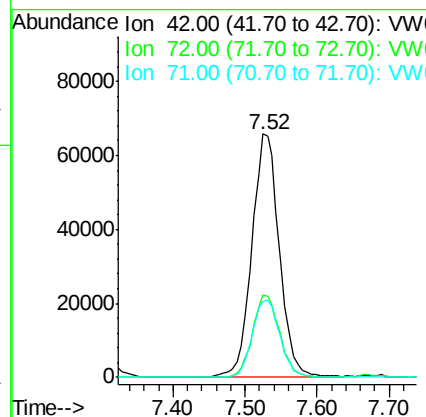
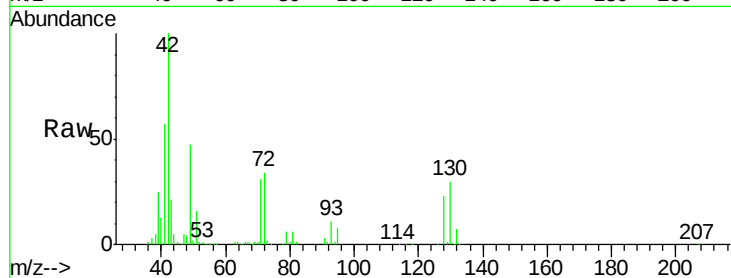
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tot Ion:	42	Resp:	173375
Ion	Ratio	Lower	Upper
42	100		
72	33.6	27.3	40.9
71	32.1	25.5	38.3

Manual Integrations
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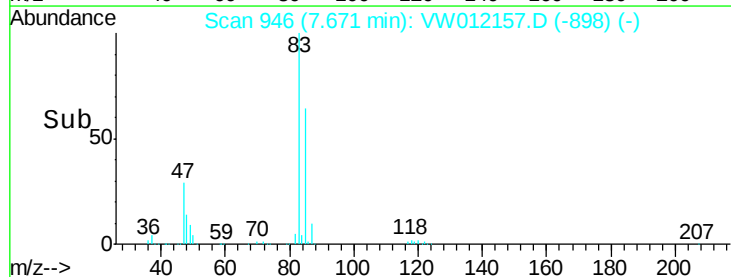
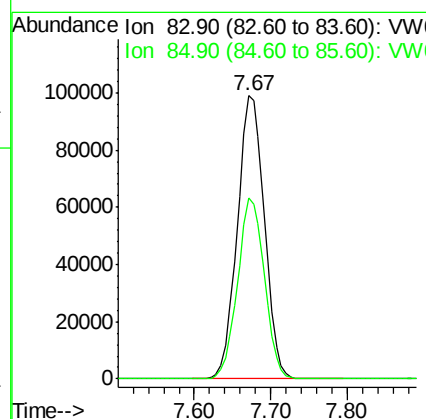
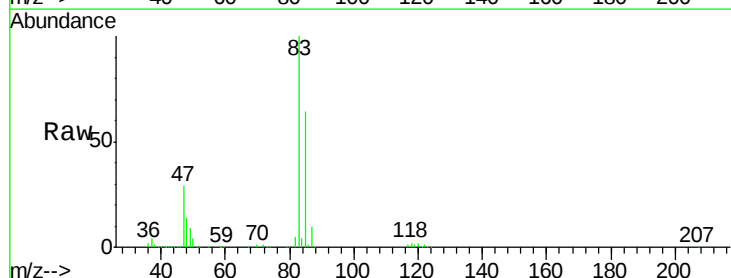
MMDadoda

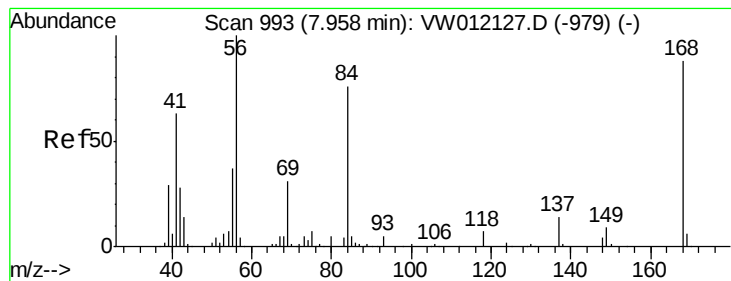
8/26/2019 11:38:32 AM



#30
Chloroform
Concen: 55.284 ug/l
RT: 7.67 min Scan# 946
Delta R.T. -0.01 min
Lab File: VW012157.D
Acq: 24 Aug 2019 01:51

Tgt Ion:	83	Resp:	241966
Ion	Ratio	Lower	Upper
83	100		
85	64.1	50.6	76.0





#31

Cyclohexane

Concen: 47.112 ug/l

RT: 7.95 min Scan# 992

Delta R.T. -0.01 min

Lab File: VW012157.D

Acq: 24 Aug 2019 01:51

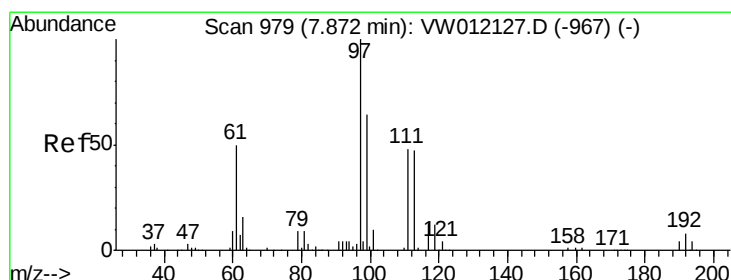
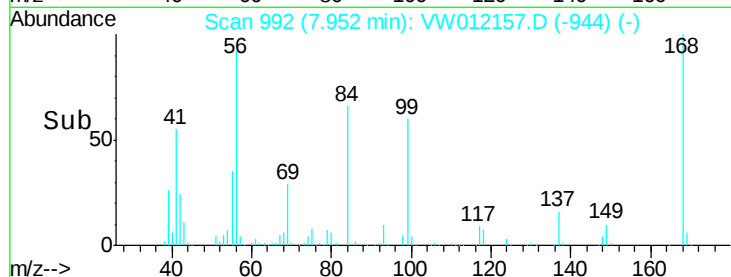
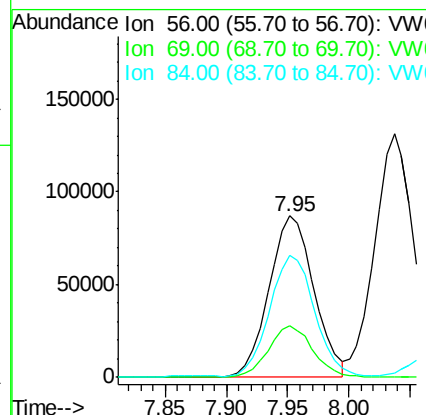
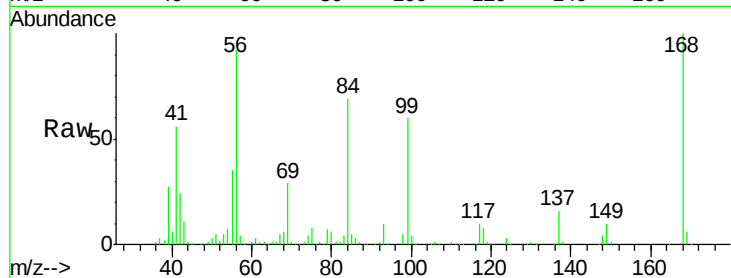
Tot Ion:	56	Resp:	222987
Ion Ratio	Lower	Upper	
56	100		
69	31.7	24.9	37.3
84	74.0	60.6	90.8

Instrument :
MSVOA_W
ClientSampled :
VSTDCCC050EC

Manual Integrations
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#32

1,1,1-Trichloroethane

Concen: 52.685 ug/l

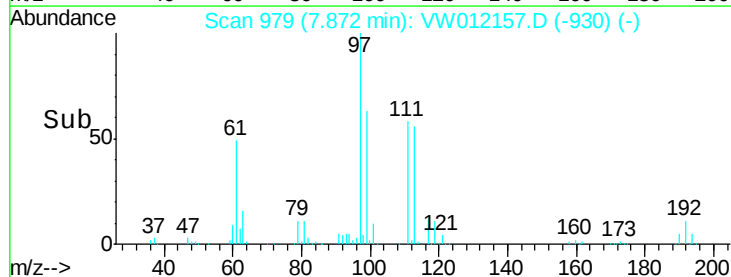
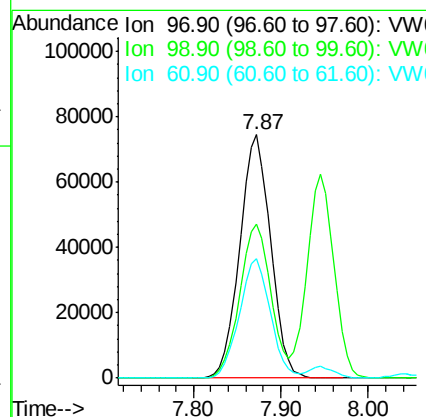
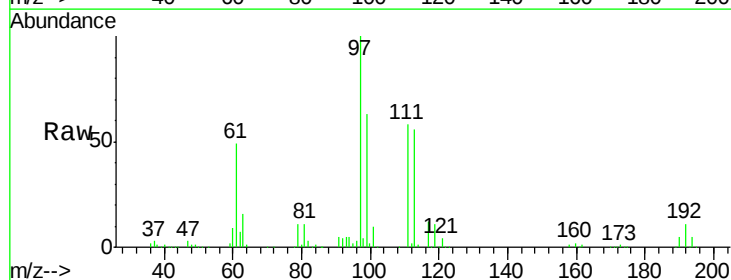
RT: 7.87 min Scan# 979

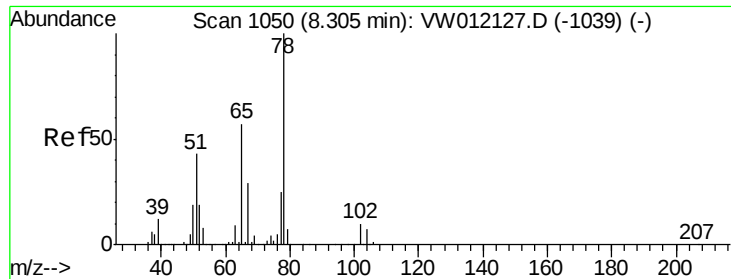
Delta R.T. 0.00 min

Lab File: VW012157.D

Acq: 24 Aug 2019 01:51

Tgt Ion:	97	Resp:	182418
Ion Ratio	Lower	Upper	
97	100		
99	64.3	51.4	77.0
61	49.3	39.5	59.3





#33
 1,2-Dichloroethane-d4
 Concen: 60.837 ug/l
 RT: 8.31 min Scan# 1050
 Delta R.T. 0.00 min
 Lab File: VW012157.D
 Acq: 24 Aug 2019 01:51

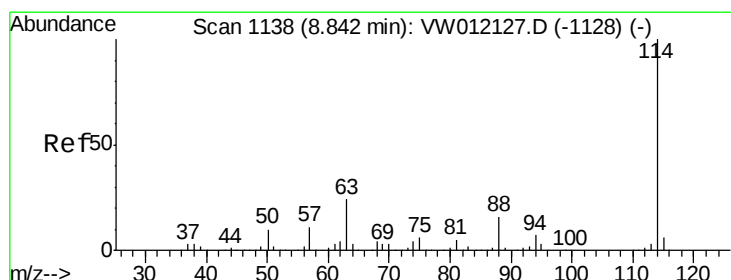
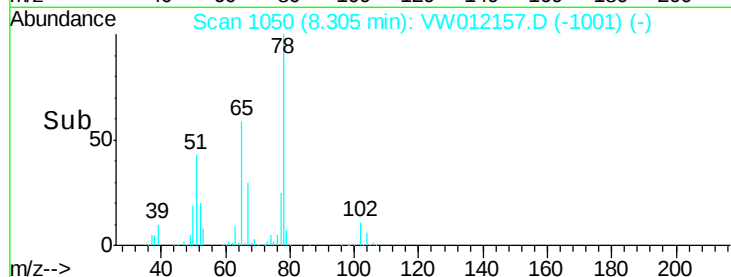
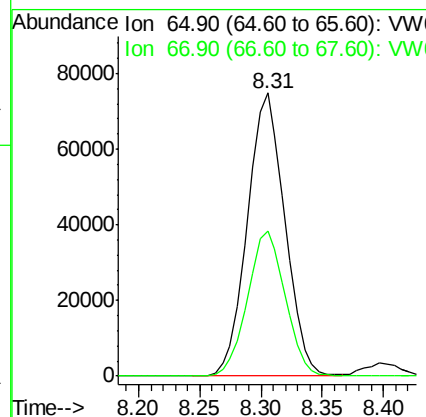
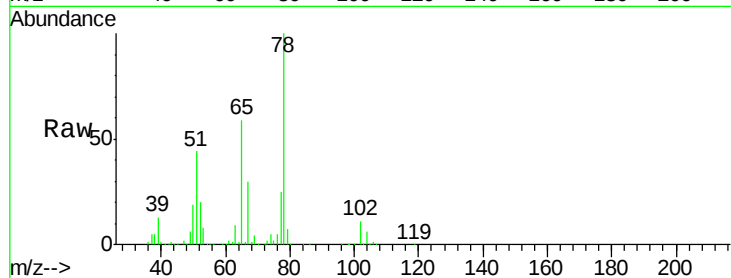
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
65	100		
67	51.3	0.0	102.6

Manual Integrations
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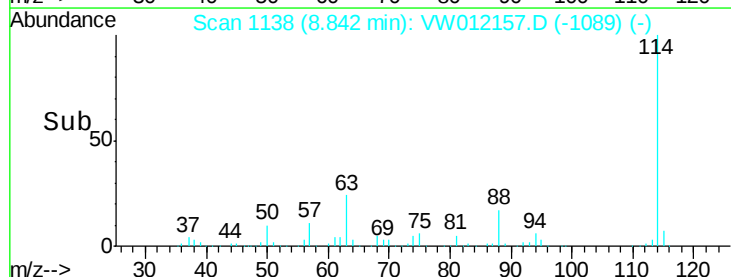
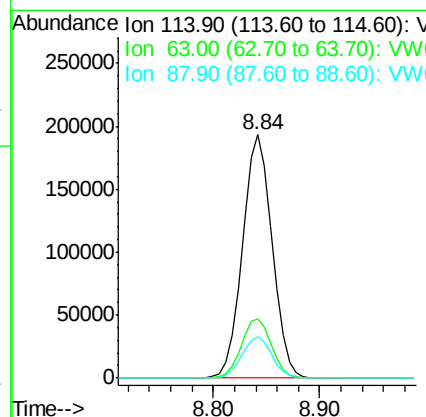
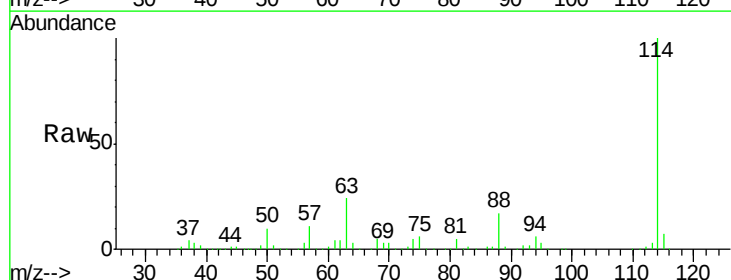
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1138
 Delta R.T. 0.00 min
 Lab File: VW012157.D
 Acq: 24 Aug 2019 01:51

Tgt Ion	Ratio	Lower	Upper
114	100		
63	24.5	0.0	48.6
88	16.9	0.0	32.2





#35
 Dibromofluoromethane
 Concen: 54.771 ug/l
 RT: 7.88 min Scan# 981
 Delta R.T. 0.00 min
 Lab File: VW012157.D
 Acq: 24 Aug 2019 01:51

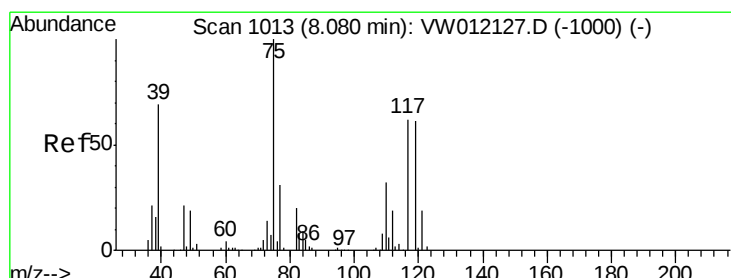
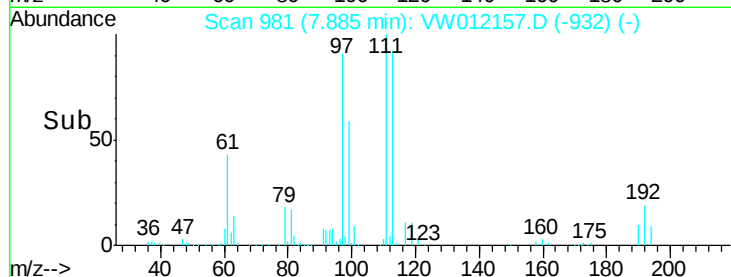
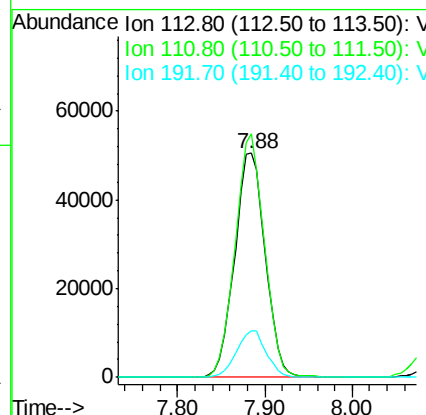
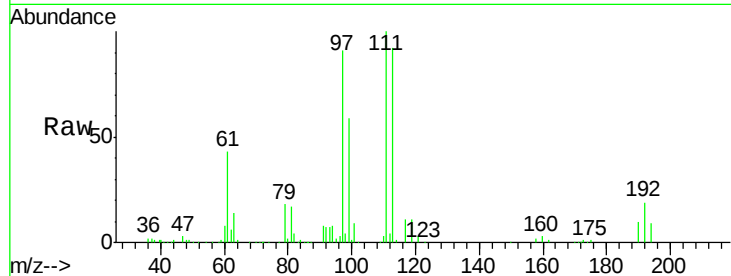
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
113	100	123206		
111	103.6	82.7	124.1	
192	20.2	16.2	24.2	

Manual Integrations
 APPROVED

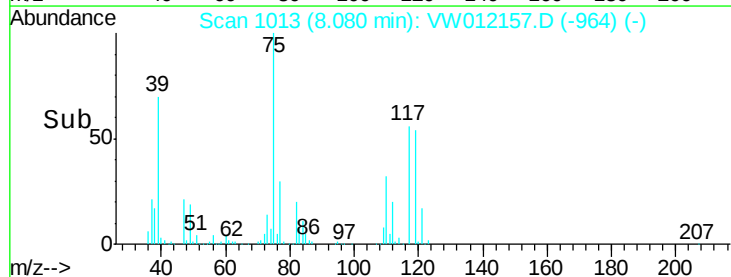
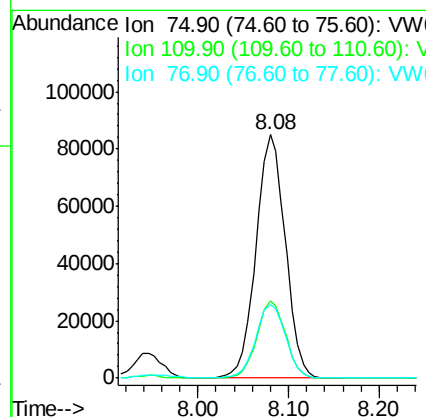
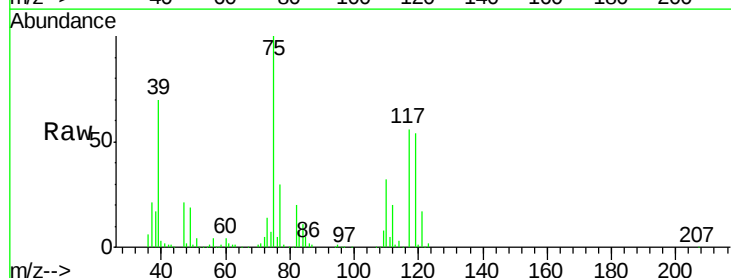
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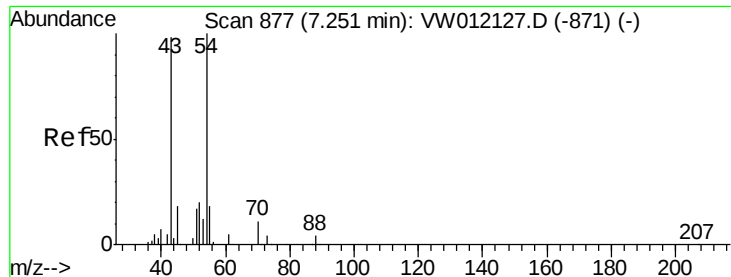
8/26/2019 11:38:32 AM



#36
 1,1-Dichloropropene
 Concen: 48.858 ug/l
 RT: 8.08 min Scan# 1013
 Delta R.T. 0.00 min
 Lab File: VW012157.D
 Acq: 24 Aug 2019 01:51

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	190273		
110	31.1	15.6	46.8	
77	31.0	24.6	36.8	





#37
Ethyl Acetate
Concen: 56.234 ug/l
RT: 7.25 min Scan# 877
Delta R.T. 0.00 min
Lab File: VW012157.D
Acq: 24 Aug 2019 01:51

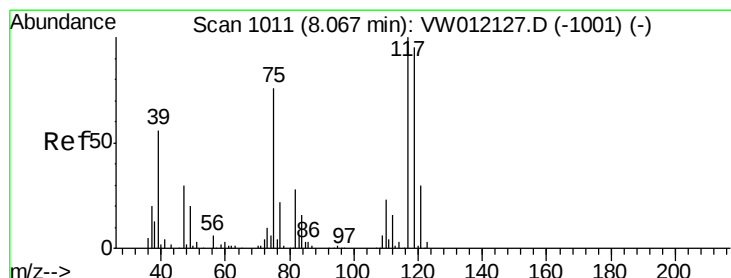
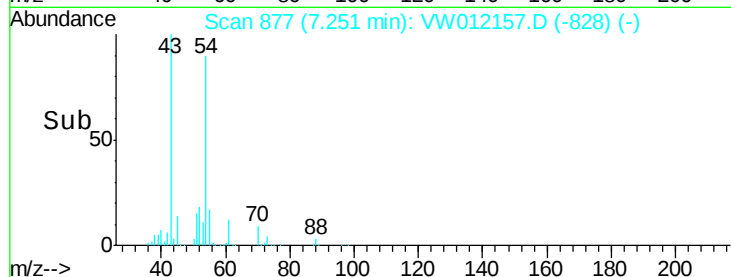
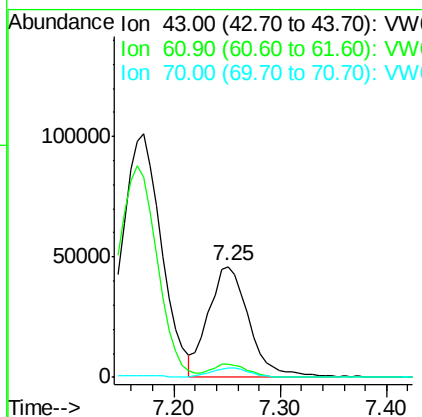
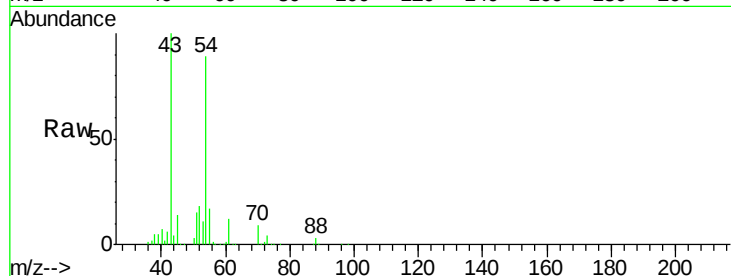
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tot Ion	43	Resp	120007
Ion Ratio	Lower	Upper	
43	100		
61	11.3	9.2	13.8
70	8.5	6.9	10.3

Manual Integrations
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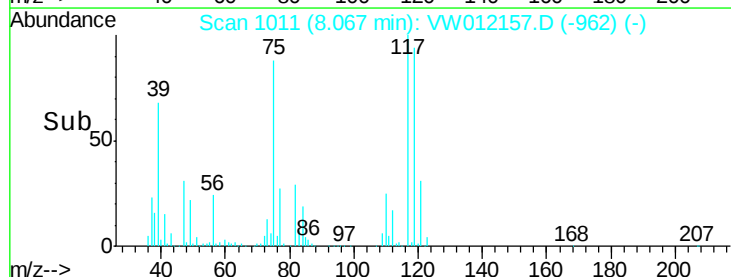
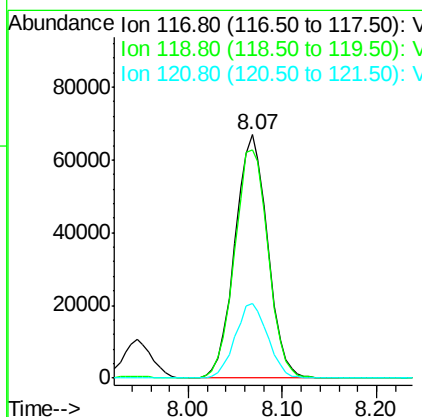
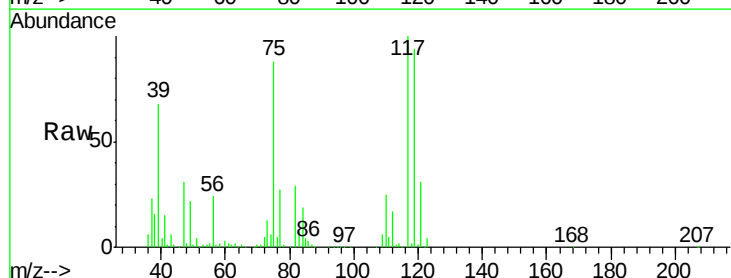
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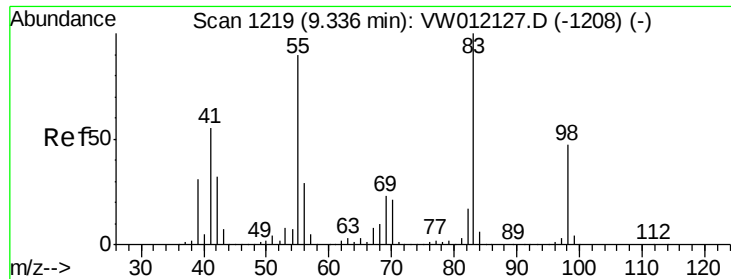
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#38
Carbon Tetrachloride
Concen: 48.090 ug/l
RT: 8.07 min Scan# 1011
Delta R.T. 0.00 min
Lab File: VW012157.D
Acq: 24 Aug 2019 01:51

Tgt Ion	117	Resp	162096
Ion Ratio	Lower	Upper	
117	100		
119	93.6	76.2	114.2
121	30.7	23.8	35.8





#39
Methvlcvclohexane
Concen: 47.015 ug/l
RT: 9.34 min Scan# 1219
Delta R.T. 0.00 min
Lab File: VW012157.D
Acq: 24 Aug 2019 01:51

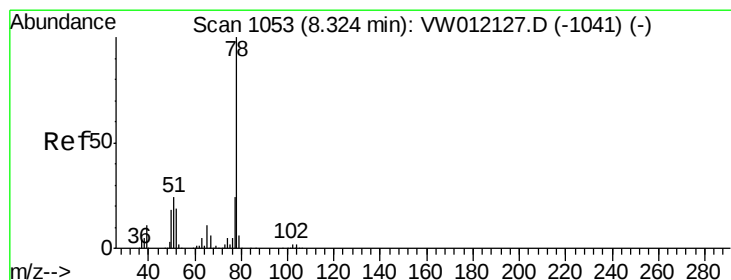
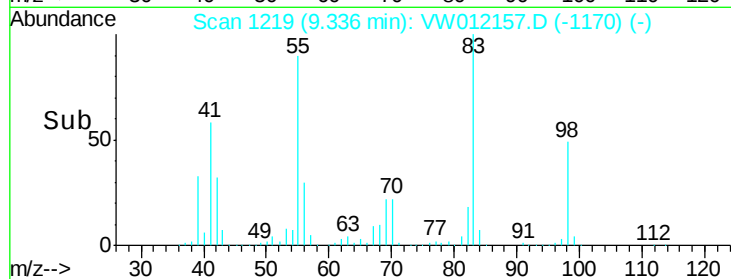
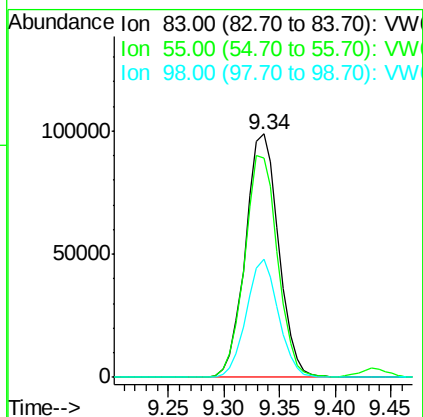
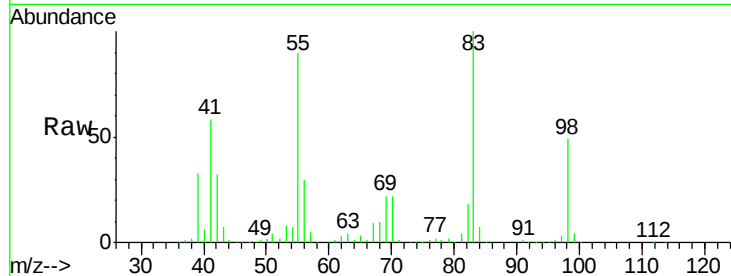
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tot Ion	83	Resp	205694
Ion Ratio	100	Lower	Upper
83	100	71.8	107.8
55	90.3	37.8	56.8
98	48.5		

Manual Integrations
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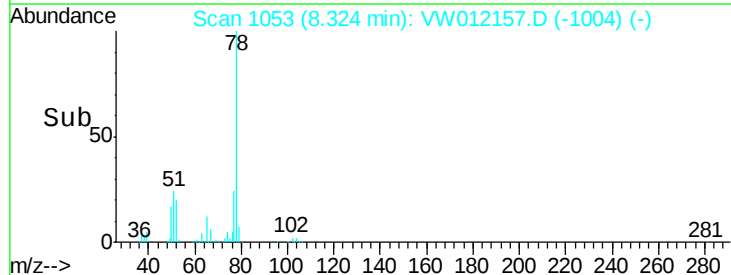
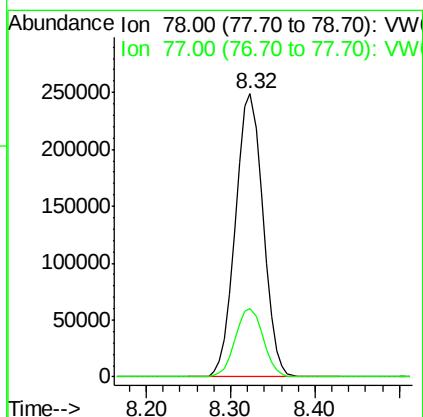
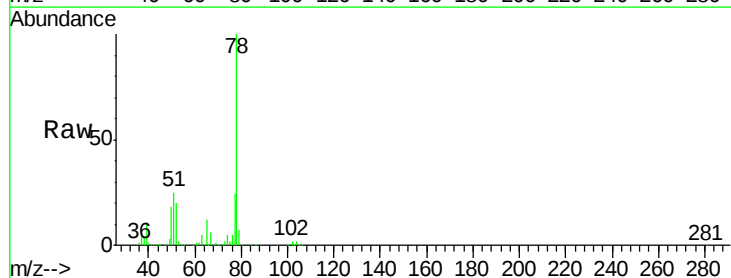
MMDadoda

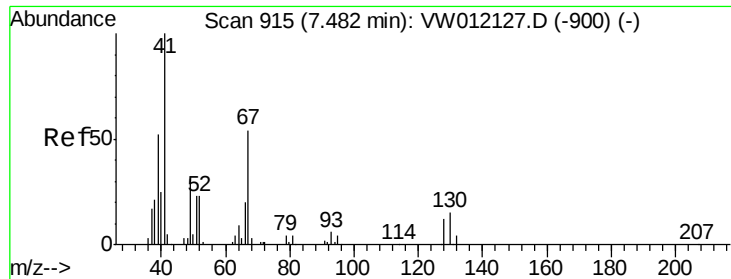
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#40
Benzene
Concen: 51.672 ug/l
RT: 8.32 min Scan# 1053
Delta R.T. 0.00 min
Lab File: VW012157.D
Acq: 24 Aug 2019 01:51

Tgt Ion	78	Resp	549471
Ion Ratio	100	Lower	Upper
78	100	19.5	29.3
77	24.4		





#41
Methacrylonitrile
Concen: 58.164 ug/l
RT: 7.48 min Scan# 915
Delta R.T. 0.00 min
Lab File: VW012157.D
Acq: 24 Aug 2019 01:51

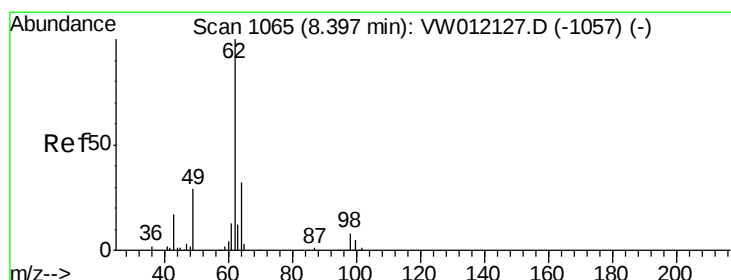
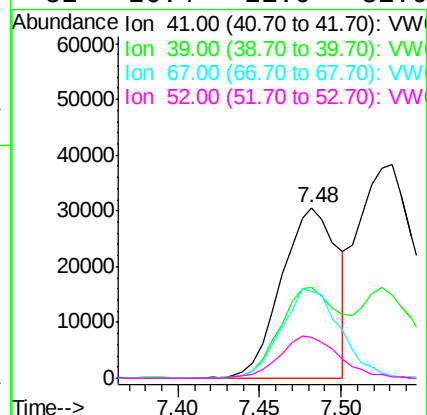
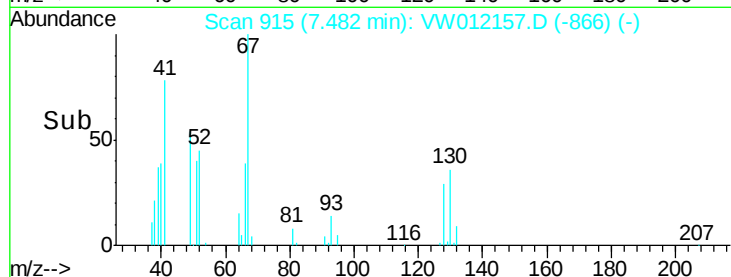
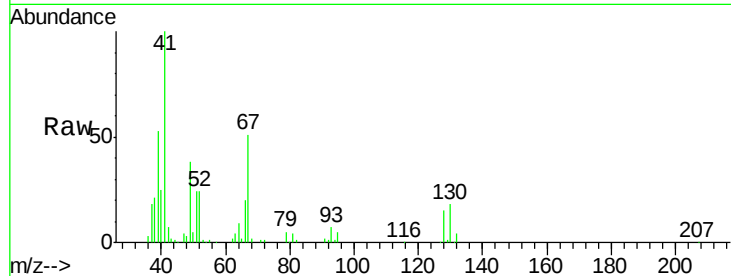
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
41	100		
39	59.6	45.8	68.8
67	55.7	46.2	69.4
52	26.4	21.0	31.6

Manual Integrations
APPROVED

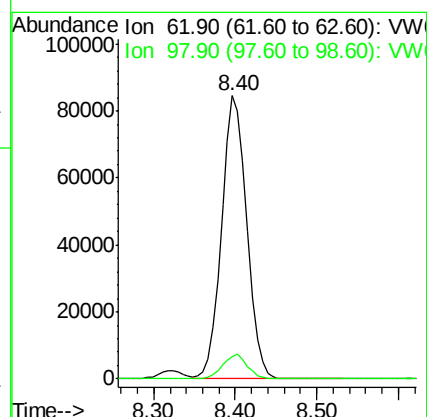
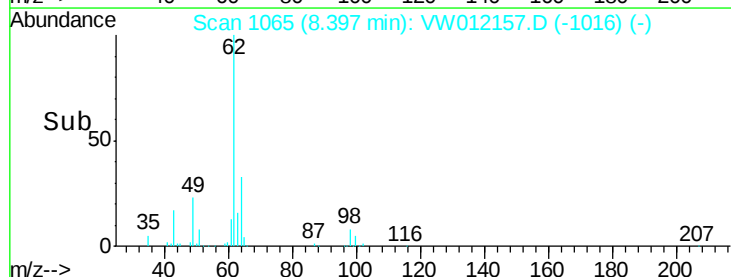
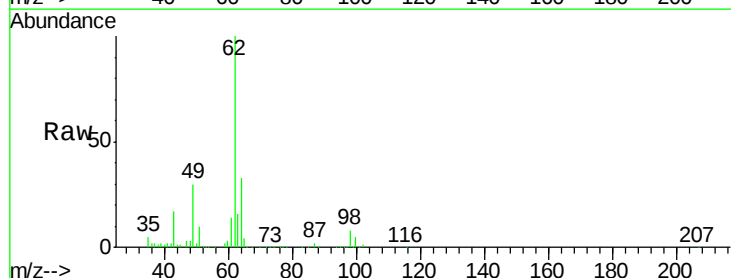
MMDadoda

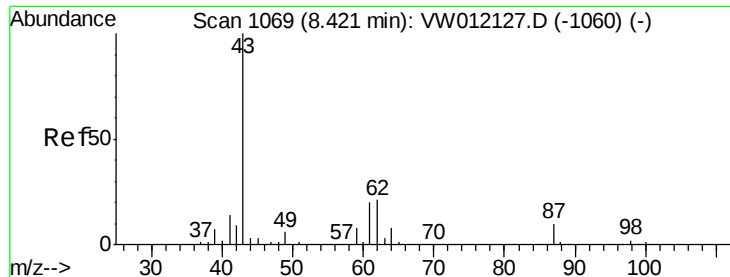
8/26/2019 11:38:32 AM



#42
1,2-Dichloroethane
Concen: 54.374 ug/l
RT: 8.40 min Scan# 1065
Delta R.T. 0.00 min
Lab File: VW012157.D
Acq: 24 Aug 2019 01:51

Tgt Ion	Ratio	Lower	Upper
62	100		
98	8.4	0.0	16.6





#43

Isopropyl Acetate

Concen: 56.428 ug/l

RT: 8.42 min Scan# 1069

Delta R.T. 0.00 min

Lab File: VW012157.D

Acq: 24 Aug 2019 01:51

Instrument :

MSVOA_W

ClientSampleId :

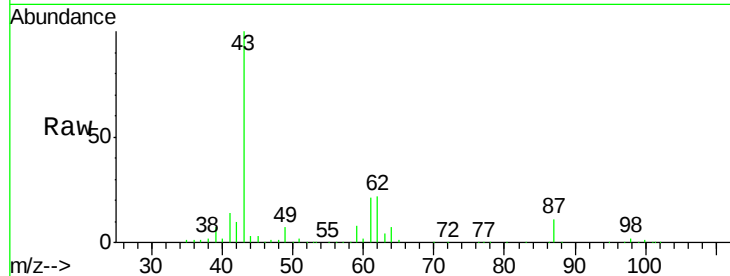
VSTDCCC050EC

Tot Ion:	43	Resp:	223058
Ion	Ratio	Lower	Upper
43	100		
61	26.7	21.1	31.7
87	10.1	8.2	12.2

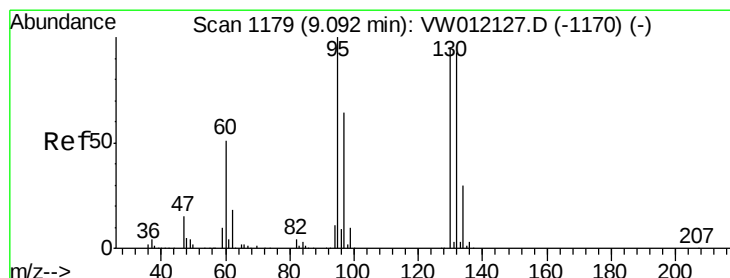
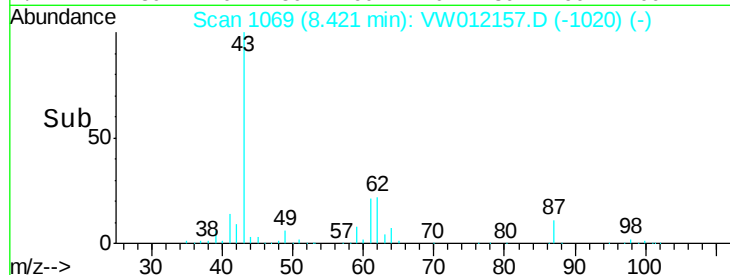
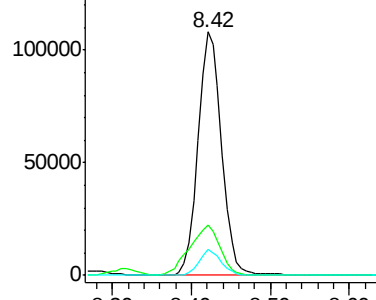
Manual Integrations
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Abundance Ion 43.00 (42.70 to 43.70): VW
Ion 61.00 (60.70 to 61.70): VW
Ion 87.00 (86.70 to 87.70): VW



#44

Trichloroethene

Concen: 50.414 ug/l

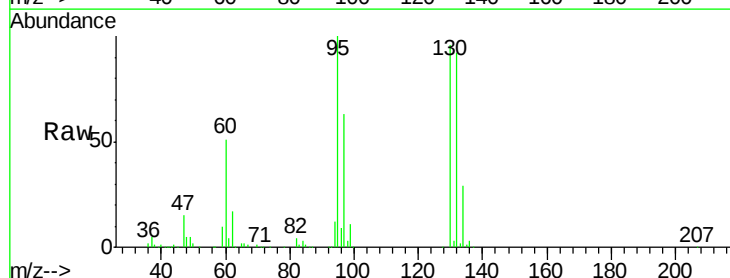
RT: 9.09 min Scan# 1179

Delta R.T. 0.00 min

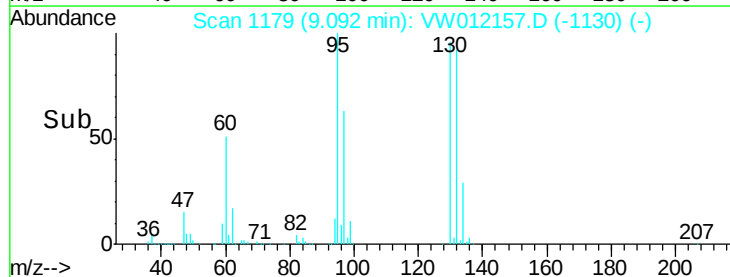
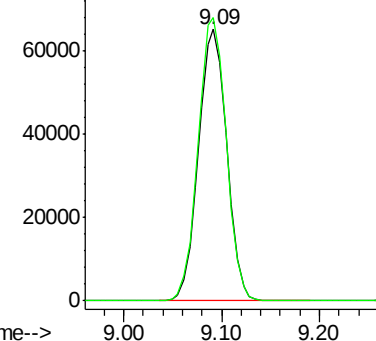
Lab File: VW012157.D

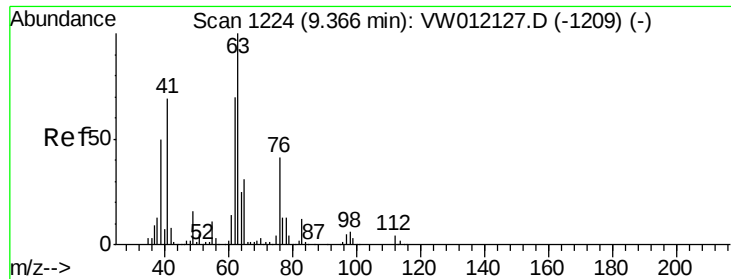
Acq: 24 Aug 2019 01:51

Tgt Ion:	130	Resp:	130324
Ion	Ratio	Lower	Upper
130	100		
95	104.1	0.0	210.6



Abundance Ion 129.80 (129.50 to 130.50): V
Ion 94.90 (94.60 to 95.60): VW





#45
 1,2-Dichloropropane
 Concen: 52.799 ug/l
 RT: 9.37 min Scan# 1224
 Delta R.T. 0.00 min
 Lab File: VW012157.D
 Acq: 24 Aug 2019 01:51

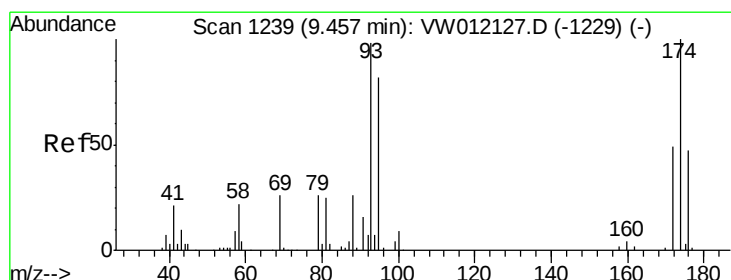
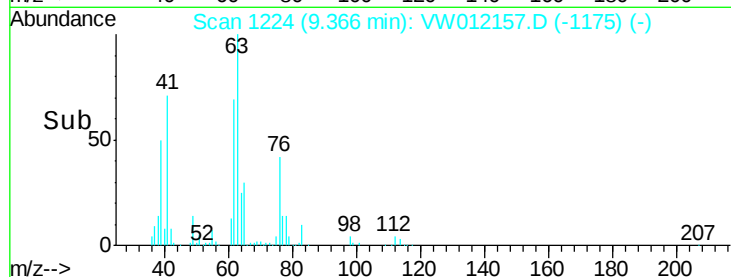
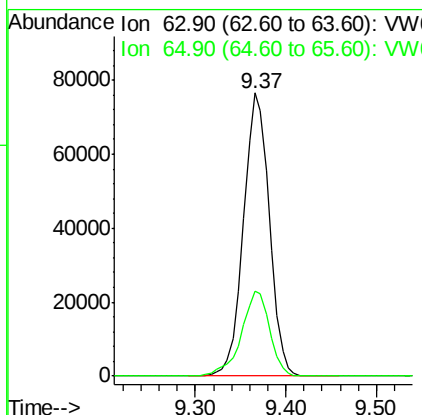
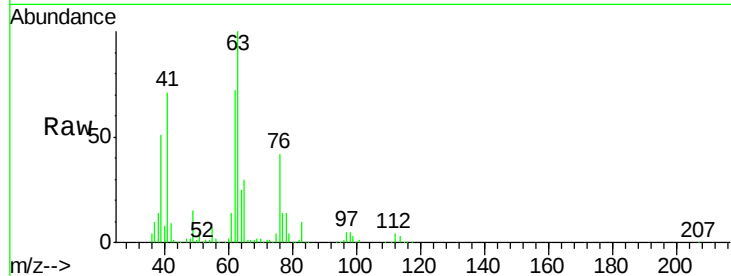
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
63	100		
65	30.2	25.0	37.4

Manual Integrations
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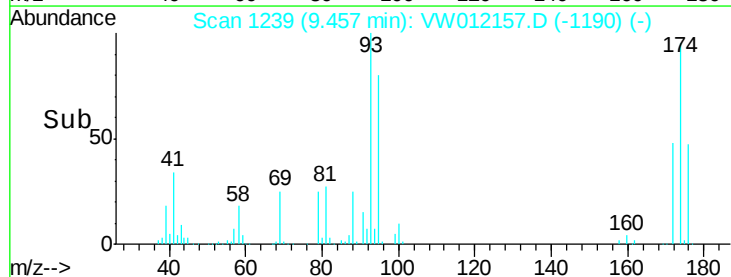
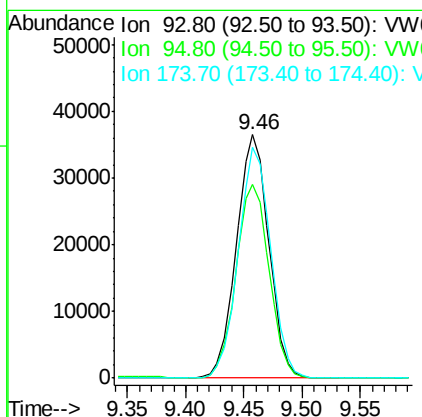
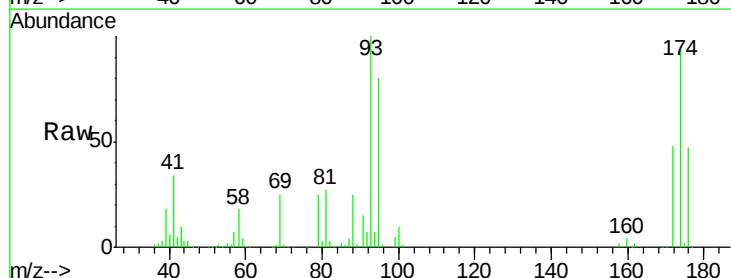
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#46
 Dibromomethane
 Concen: 55.621 ug/l
 RT: 9.46 min Scan# 1239
 Delta R.T. 0.00 min
 Lab File: VW012157.D
 Acq: 24 Aug 2019 01:51

Tgt Ion	Ratio	Lower	Upper
93	100		
95	81.4	67.2	100.8
174	95.1	79.0	118.6





#47

Bromodichloromethane

Concen: 53.344 ug/l

RT: 9.65 min Scan# 1270

Delta R.T. 0.00 min

Lab File: VW012157.D

Acq: 24 Aug 2019 01:51

Instrument :

MSVOA_W

ClientSampleId :

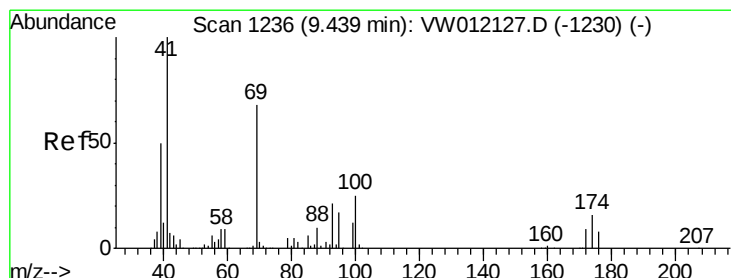
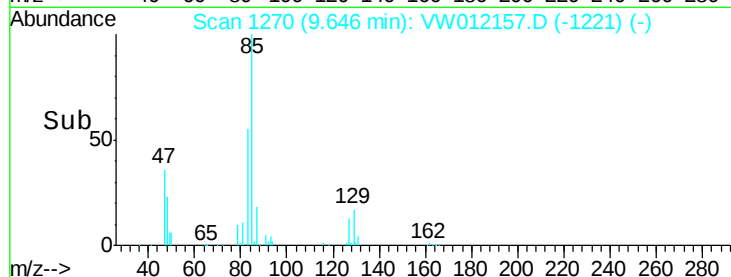
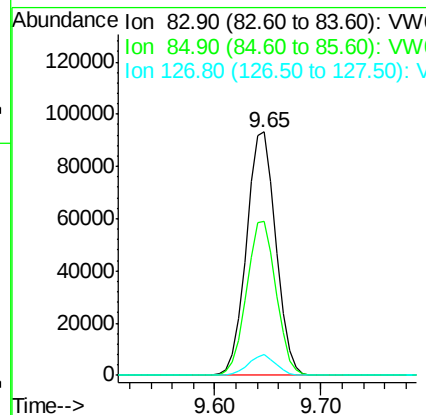
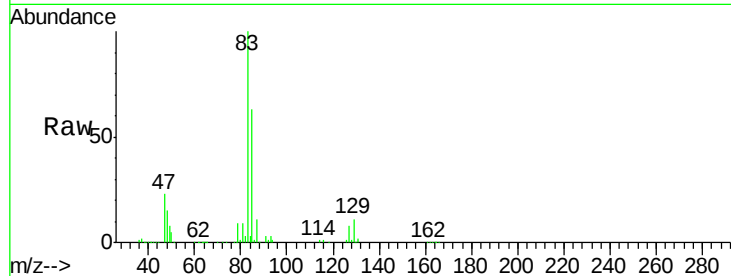
VSTDCCC050EC

Tot Ion:	83	Resp:	180778
Ion	Ratio	Lower	Upper
83	100		
85	63.1	49.4	74.2
127	8.4	6.1	9.1

Manual Integrations
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#48

Methyl methacrylate

Concen: 58.153 ug/l

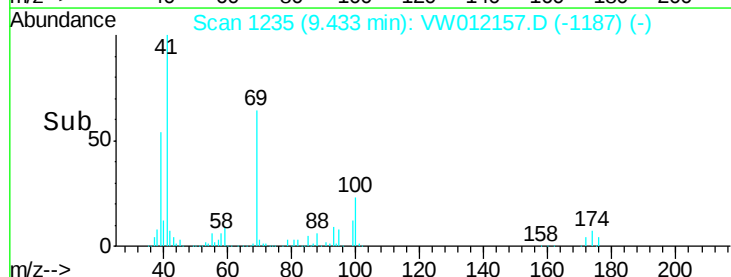
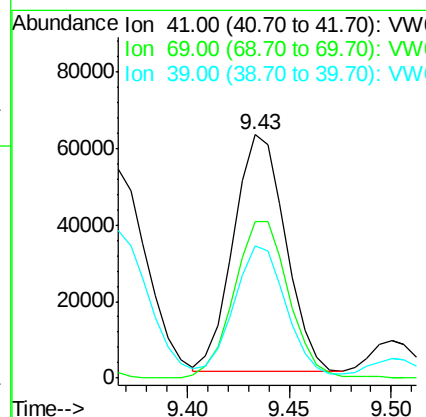
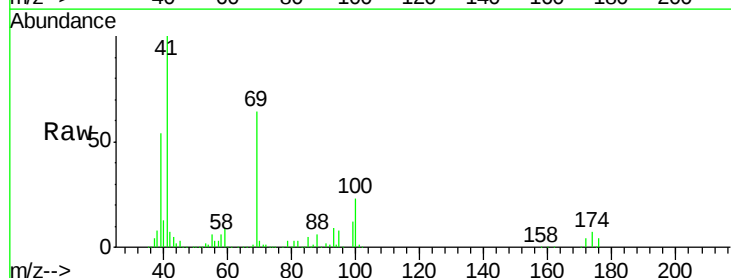
RT: 9.43 min Scan# 1235

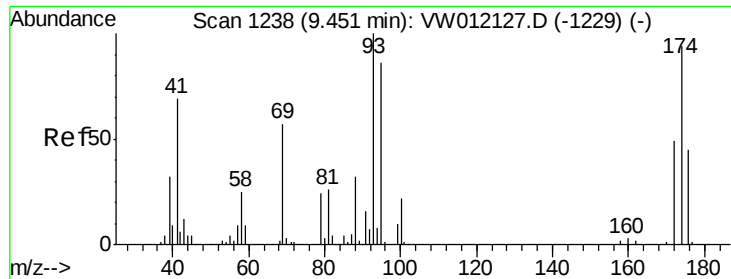
Delta R.T. -0.01 min

Lab File: VW012157.D

Acq: 24 Aug 2019 01:51

Tgt Ion:	41	Resp:	109409
Ion	Ratio	Lower	Upper
41	100		
69	69.9	56.7	85.1
39	57.1	42.0	63.0





#49
 1,4-Dioxane
 Concen: 1143.254 ug/l
 RT: 9.45 min Scan# 1237
 Delta R.T. -0.01 min
 Lab File: VW012157.D
 Acq: 24 Aug 2019 01:51

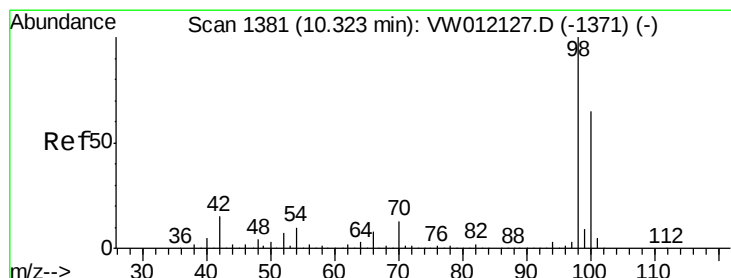
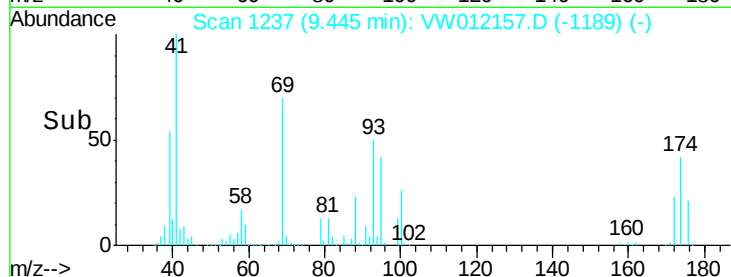
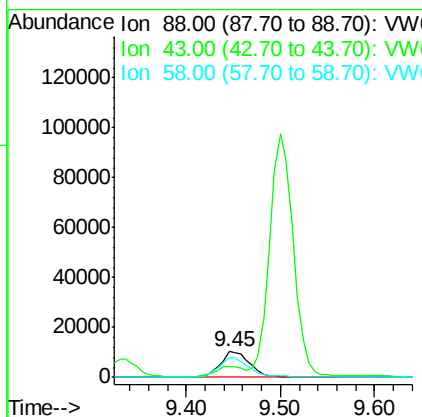
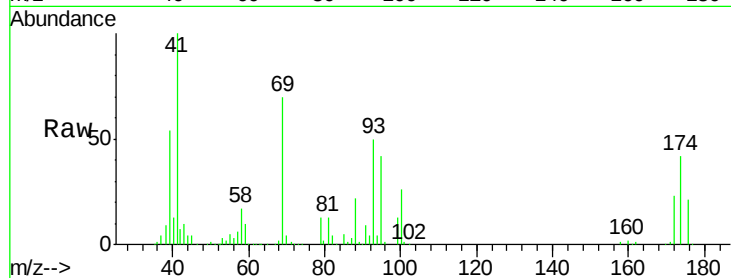
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
88	100		
43	39.6	32.9	49.3
58	82.8	71.0	106.4

Manual Integrations
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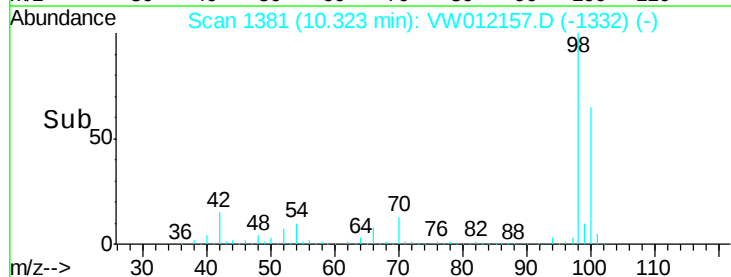
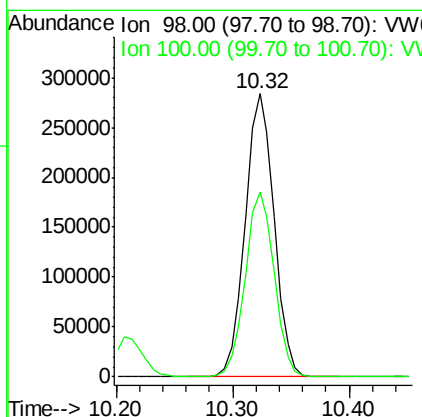
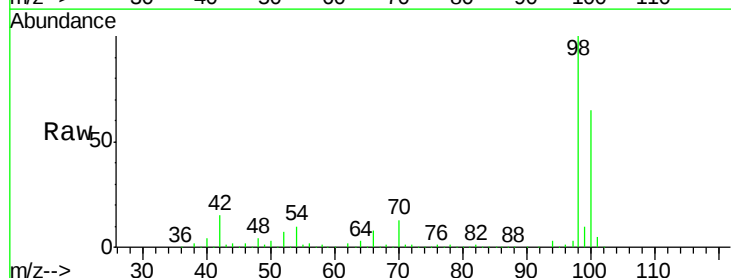
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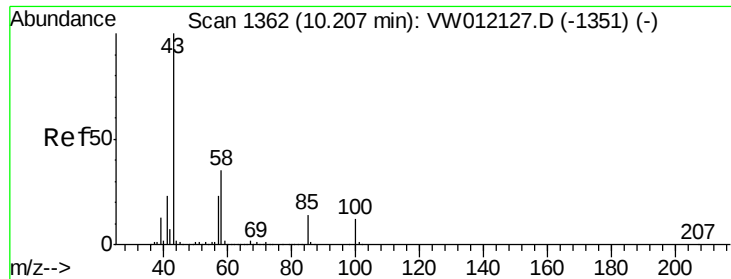
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#50
 Toluene-d8
 Concen: 54.068 ug/l
 RT: 10.32 min Scan# 1381
 Delta R.T. 0.00 min
 Lab File: VW012157.D
 Acq: 24 Aug 2019 01:51

Tgt Ion	Ratio	Lower	Upper
98	100		
100	65.6	52.4	78.6





#51

4-Methyl-2-Pentanone

Concen: 289.335 ug/l

RT: 10.21 min Scan# 1362

Delta R.T. 0.00 min

Lab File: VW012157.D

Acq: 24 Aug 2019 01:51

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

Tot Ion: 43 Resp: 581736

Ion Ratio Lower Upper

43 100

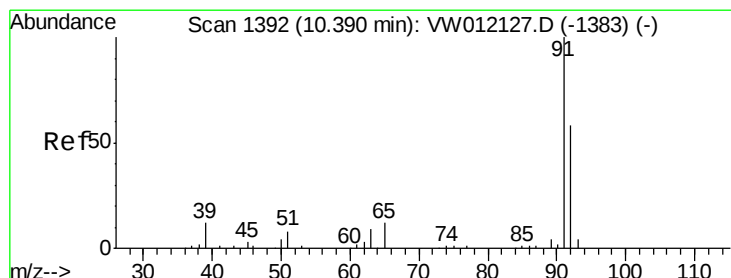
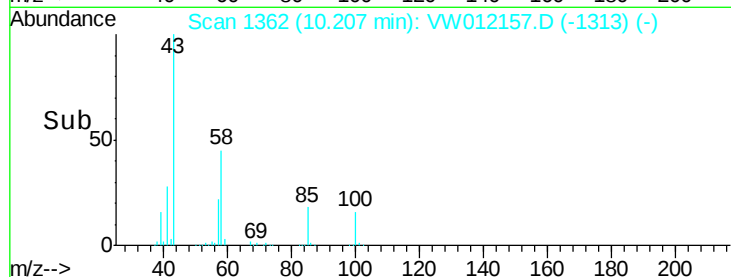
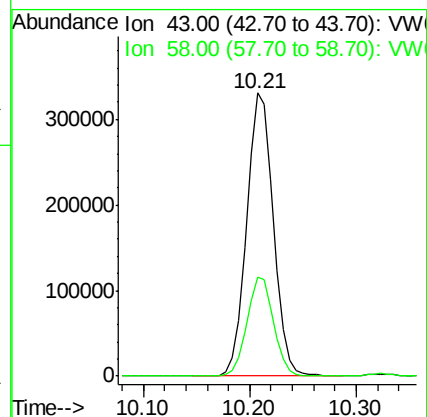
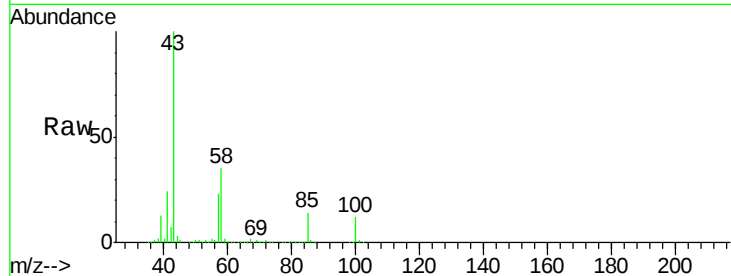
58 35.0 28.2 42.2

Manual Integrations

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#52

Toluene

Concen: 51.698 ug/l

RT: 10.39 min Scan# 1392

Delta R.T. 0.00 min

Lab File: VW012157.D

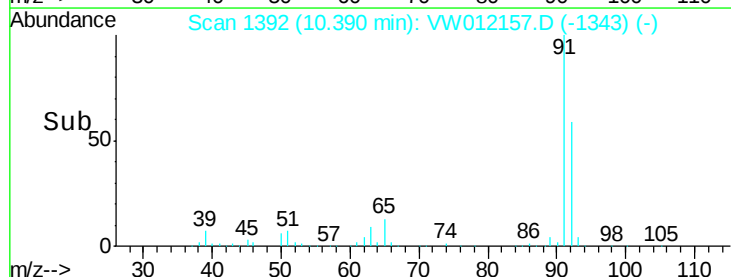
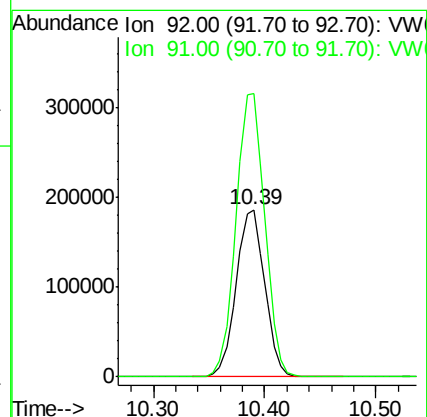
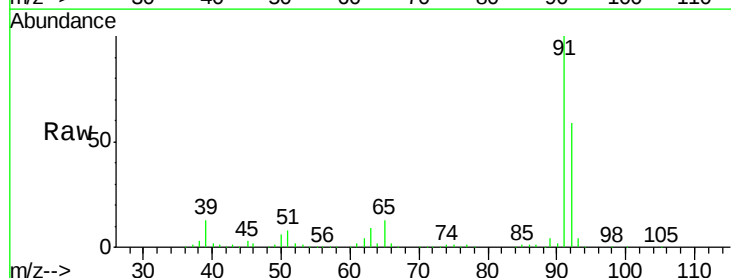
Acq: 24 Aug 2019 01:51

Tgt Ion: 92 Resp: 330261

Ion Ratio Lower Upper

92 100

91 171.3 136.6 204.8





#53
 t-1,3-Dichloropropene
 Concen: 53.630 ug/l
 RT: 10.60 min Scan# 1427
 Delta R.T. 0.00 min
 Lab File: VW012157.D
 Acq: 24 Aug 2019 01:51

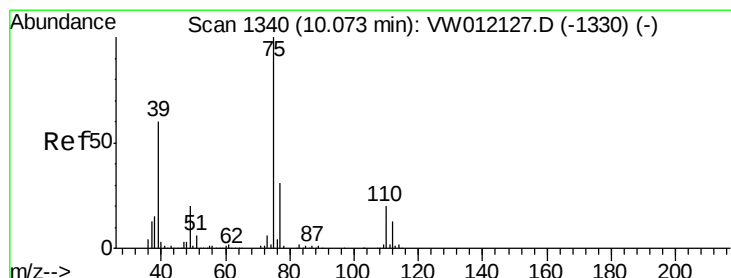
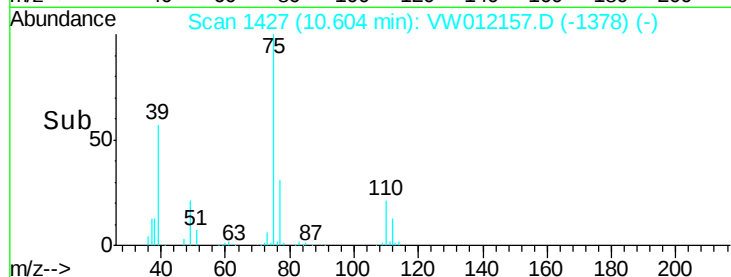
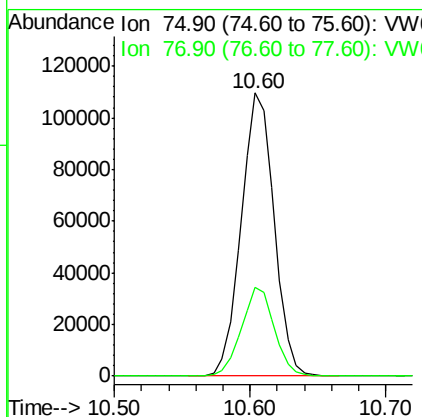
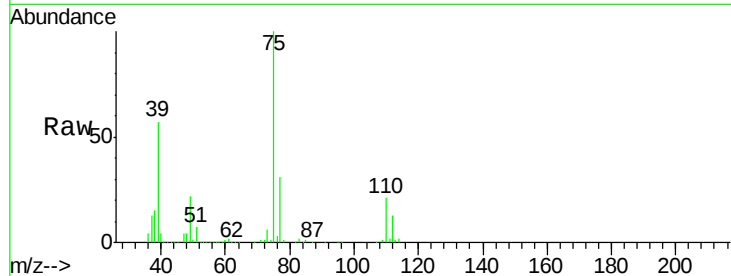
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050EC

Tot Ion: 75 Resp: 185134
 Ion Ratio Lower Upper
 75 100
 77 31.1 25.0 37.4

Manual Integrations
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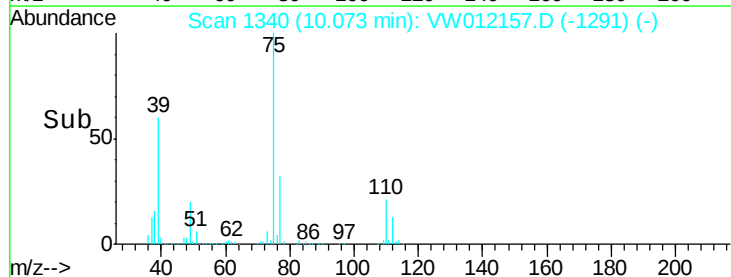
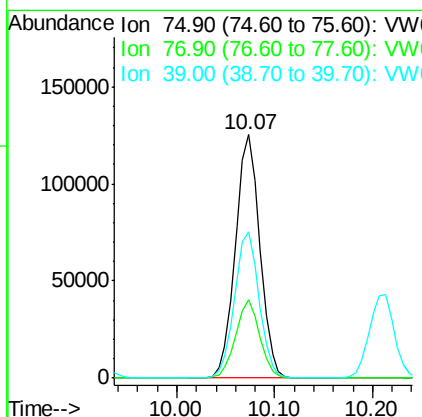
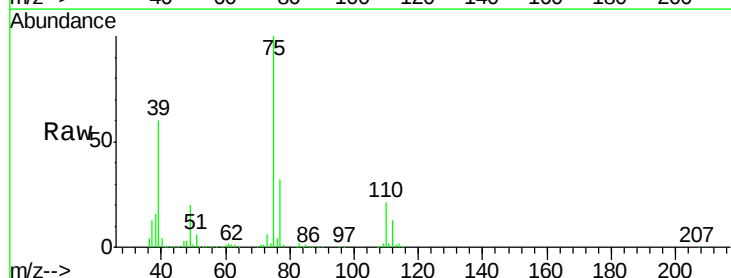
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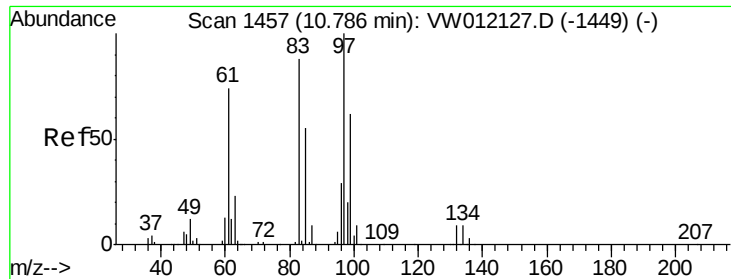
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#54
 cis-1,3-Dichloropropene
 Concen: 52.232 ug/l
 RT: 10.07 min Scan# 1340
 Delta R.T. 0.00 min
 Lab File: VW012157.D
 Acq: 24 Aug 2019 01:51

Tgt Ion: 75 Resp: 217710
 Ion Ratio Lower Upper
 75 100
 77 32.2 25.1 37.7
 39 60.2 48.3 72.5





#55
 1,1,2-Trichloroethane
 Concen: 54.436 ug/l
 RT: 10.79 min Scan# 1457
 Delta R.T. 0.00 min
 Lab File: VW012157.D
 Acq: 24 Aug 2019 01:51

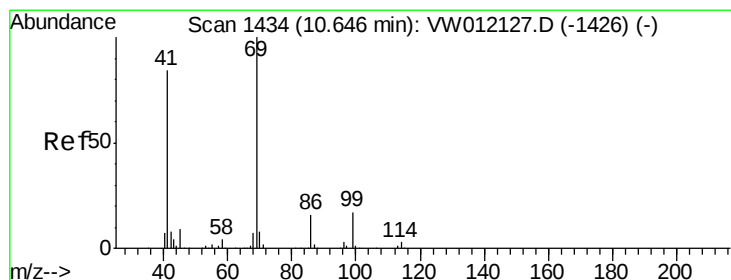
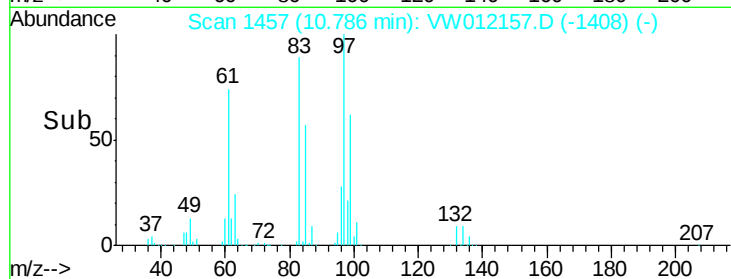
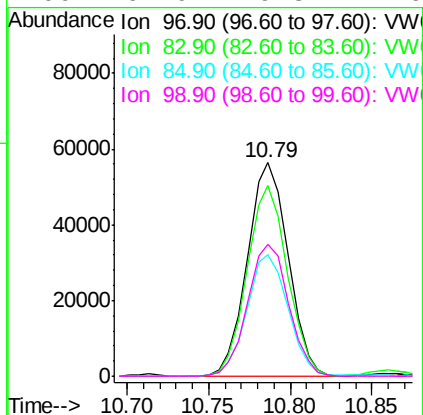
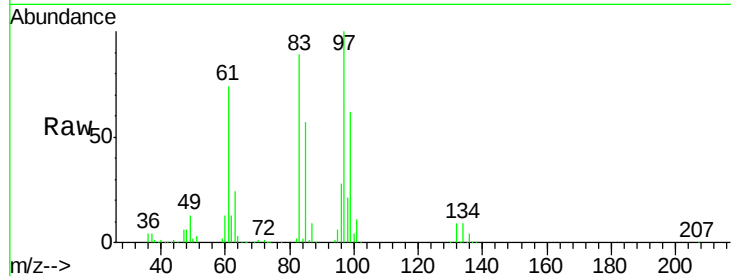
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050EC

Tot Ion:	97	Resp:	98073
Ion	Ratio	Lower	Upper
97	100		
83	89.1	70.8	106.2
85	57.2	43.8	65.8
99	61.9	49.8	74.6

Manual Integrations
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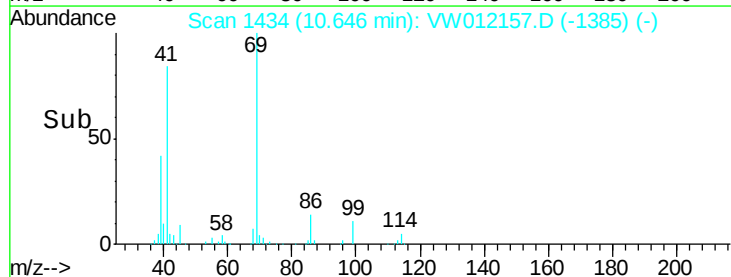
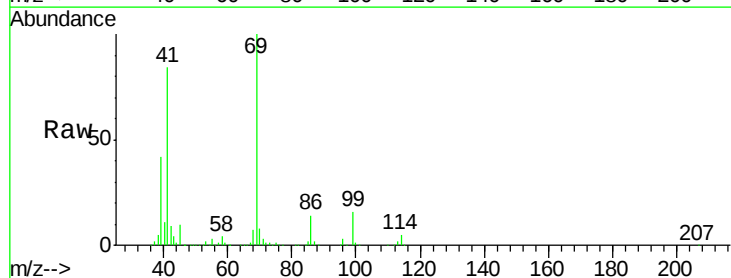
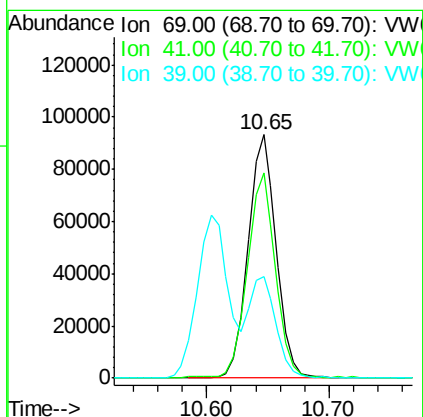
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#56
 Ethyl methacrylate
 Concen: 56.678 ug/l
 RT: 10.65 min Scan# 1434
 Delta R.T. 0.00 min
 Lab File: VW012157.D
 Acq: 24 Aug 2019 01:51

Tgt Ion:	69	Resp:	148615
Ion	Ratio	Lower	Upper
69	100		
41	84.6	66.5	99.7
39	39.8	31.0	46.4





#57
 1,3-Dichloropropane
 Concen: 54.841 ug/l
 RT: 10.93 min Scan# 1481
 Delta R.T. 0.00 min
 Lab File: VW012157.D
 Acq: 24 Aug 2019 01:51

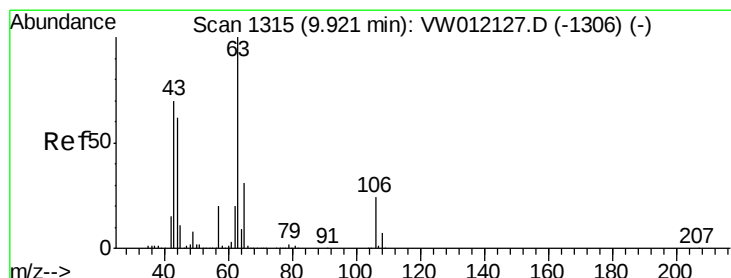
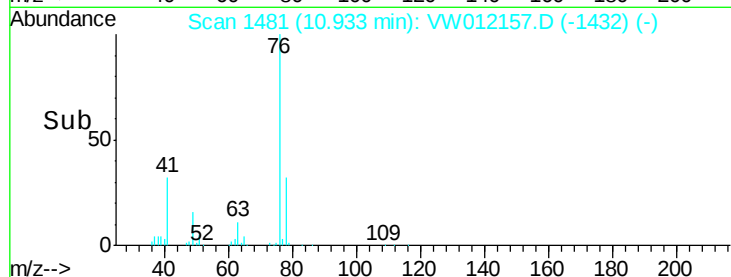
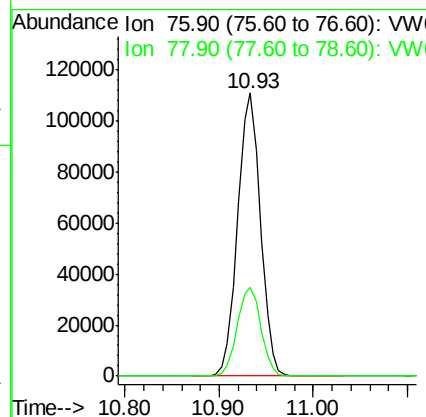
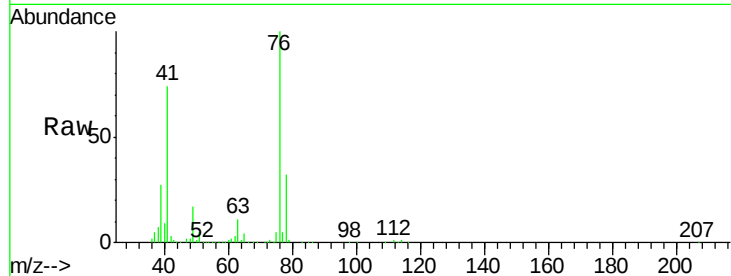
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050EC

Tot Ion: 76 Resp: 186712
 Ion Ratio Lower Upper
 76 100
 78 32.6 25.8 38.8

Manual Integrations
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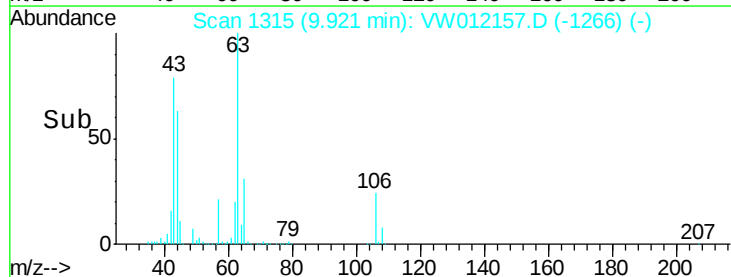
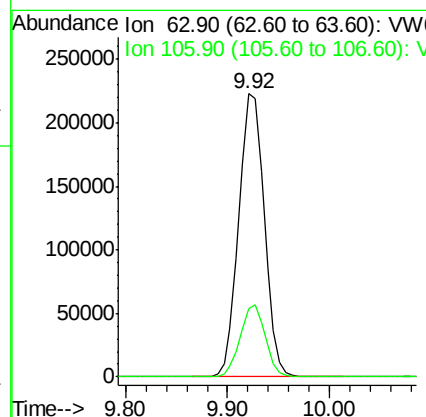
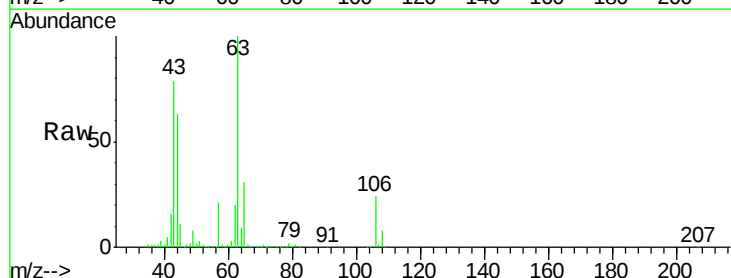
MMDadoda

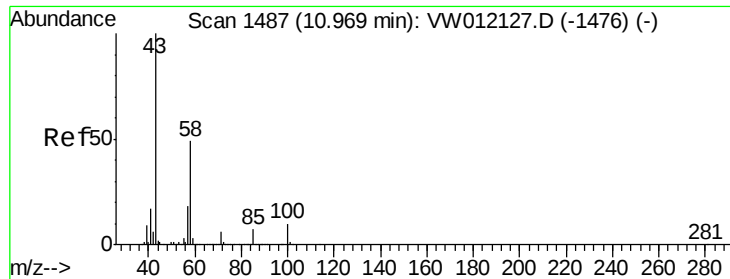
8/26/2019 11:38:32 AM



#58
 2-Chloroethyl Vinyl ether
 Concen: 286.209 ug/l
 RT: 9.92 min Scan# 1315
 Delta R.T. 0.00 min
 Lab File: VW012157.D
 Acq: 24 Aug 2019 01:51

Tgt Ion: 63 Resp: 385157
 Ion Ratio Lower Upper
 63 100
 106 24.8 19.8 29.8





#59
2-Hexanone
Concen: 276.878 ug/l
RT: 10.97 min Scan# 1487
Delta R.T. 0.00 min
Lab File: VW012157.D
Acq: 24 Aug 2019 01:51

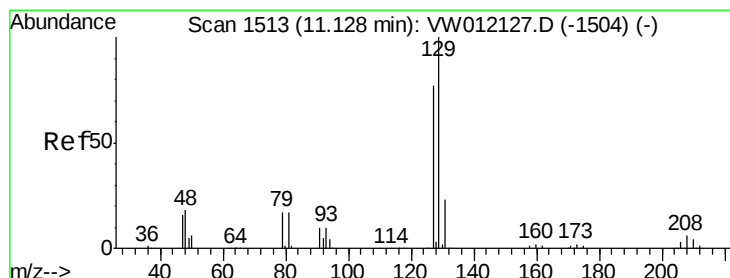
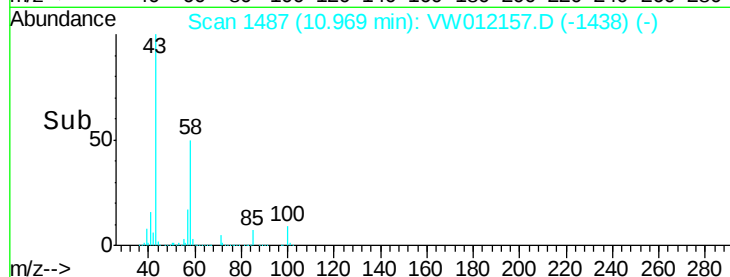
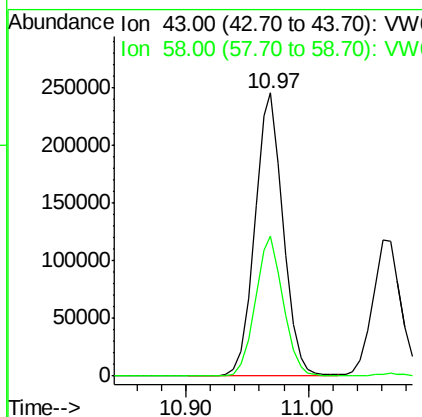
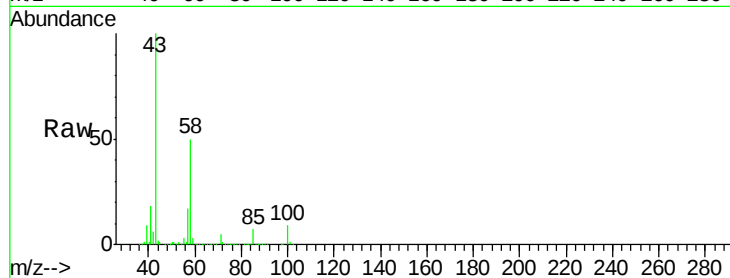
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
43	100		
58	48.8	24.3	72.9

Manual Integrations
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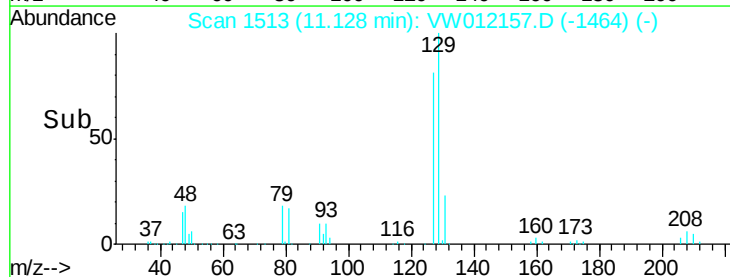
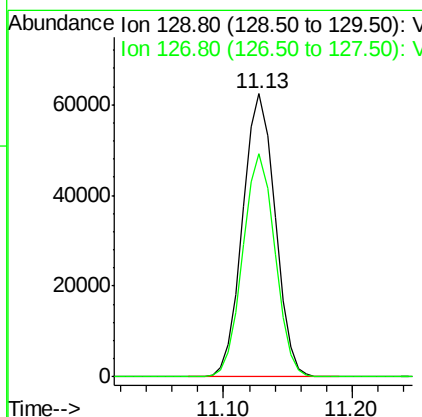
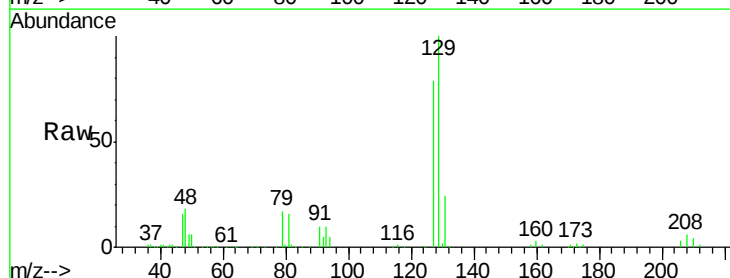
MMDadoda

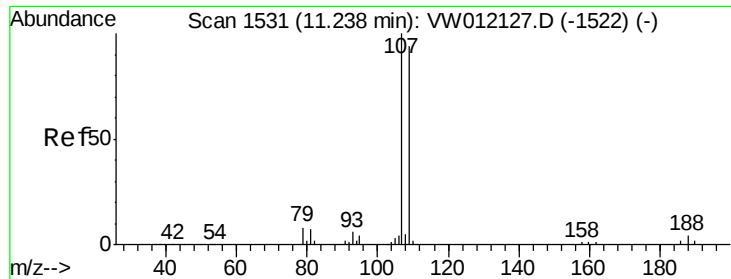
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#60
Dibromochloromethane
Concen: 54.181 ug/l
RT: 11.13 min Scan# 1513
Delta R.T. 0.00 min
Lab File: VW012157.D
Acq: 24 Aug 2019 01:51

Tgt Ion	Ratio	Lower	Upper
129	100		
127	77.9	38.6	115.8





#61
 1,2-Dibromoethane
 Concen: 55.508 ug/l
 RT: 11.24 min Scan# 1531
 Delta R.T. 0.00 min
 Lab File: VW012157.D
 Acq: 24 Aug 2019 01:51

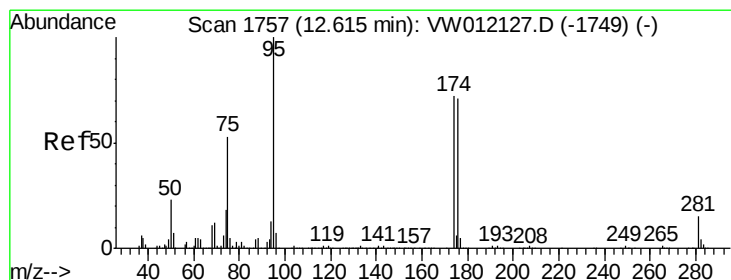
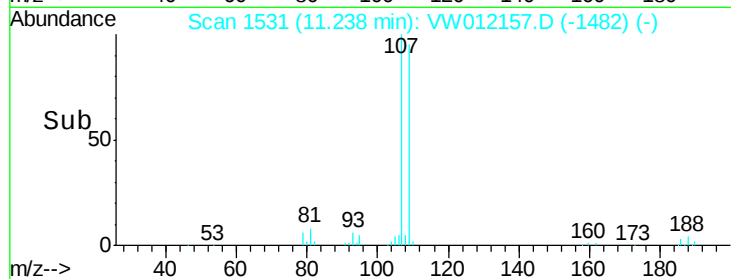
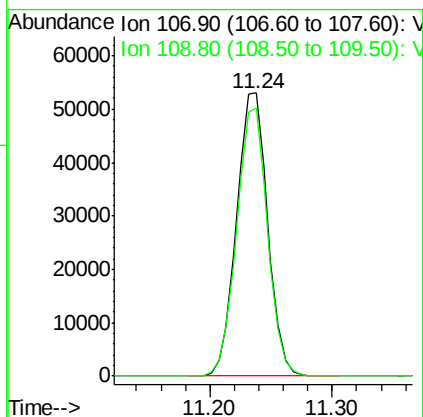
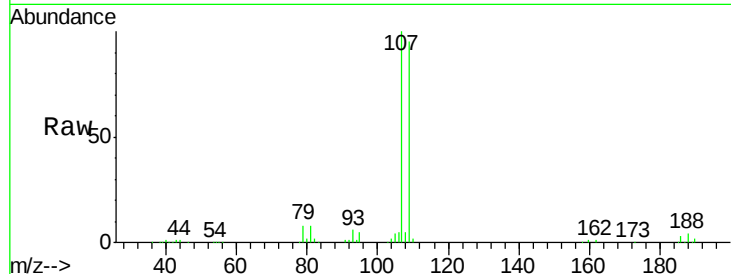
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
107	100		
109	94.3	75.4	113.2

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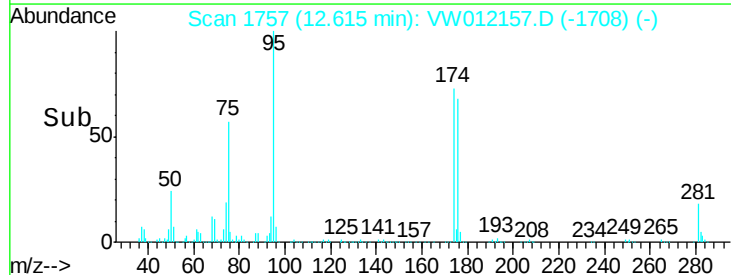
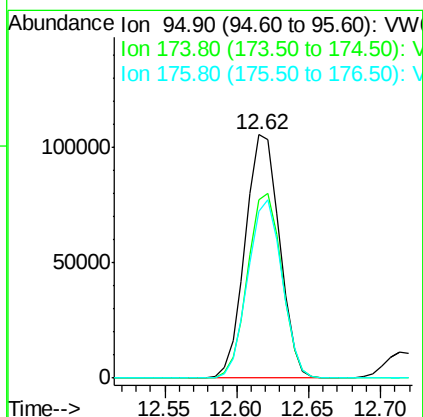
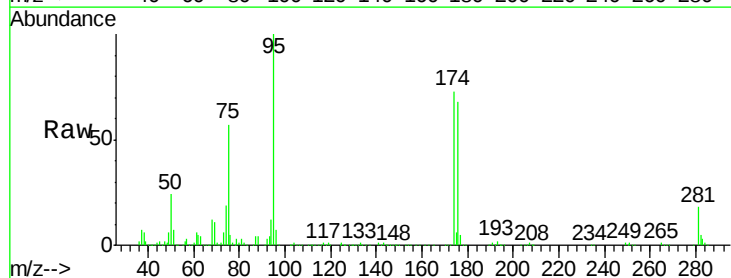
MMDadoda

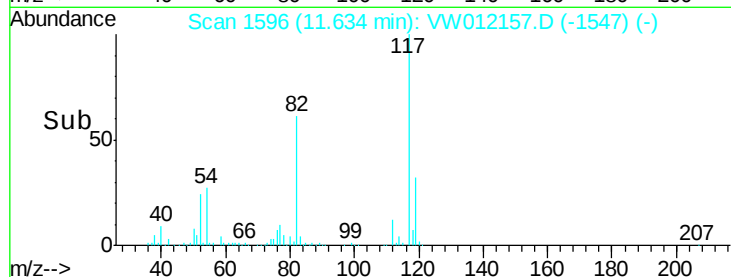
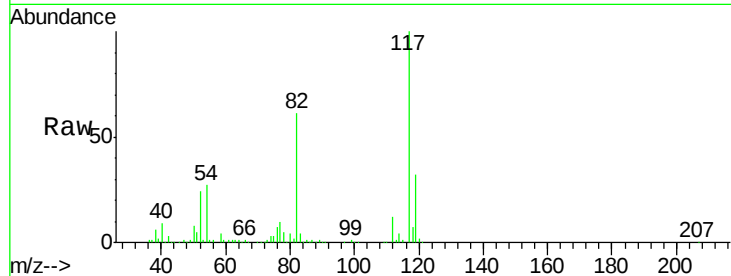
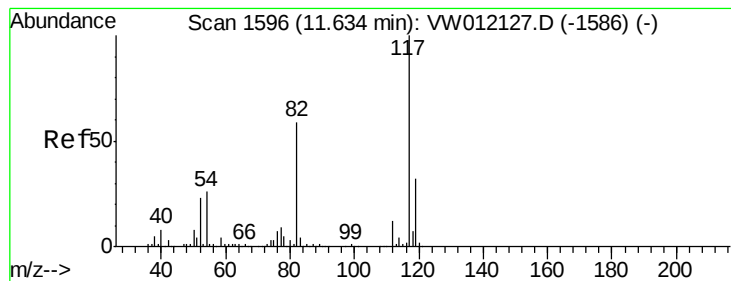
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#62
 4-Bromofluorobenzene
 Concen: 54.090 ug/l
 RT: 12.62 min Scan# 1757
 Delta R.T. 0.00 min
 Lab File: VW012157.D
 Acq: 24 Aug 2019 01:51

Tgt Ion	Ratio	Lower	Upper
95	100		
174	75.7	0.0	150.8
176	72.8	0.0	148.6





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.63 min Scan# 1596

Delta R.T. 0.00 min

Lab File: VW012157.D

Acq: 24 Aug 2019 01:51

Tot Ion:	117	Resp:	334800
Ion Ratio	Lower	Upper	
117	100		
82	61.1	47.4	71.2
119	31.7	25.4	38.2

Instrument :

MSVOA_W

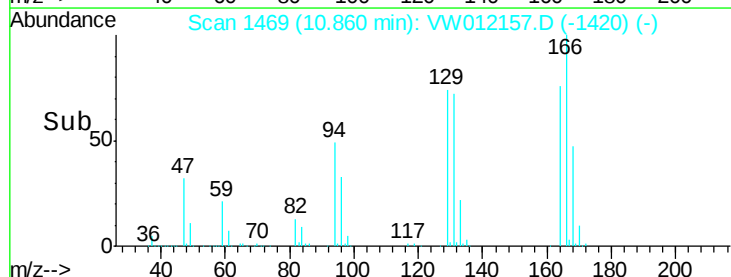
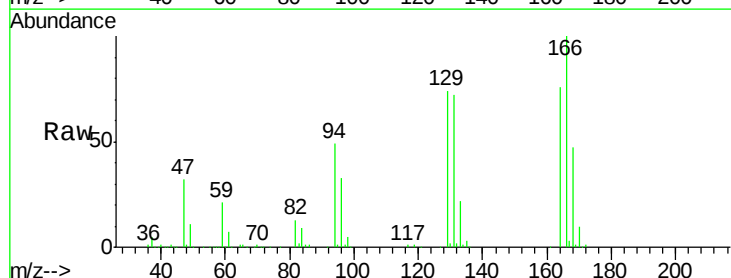
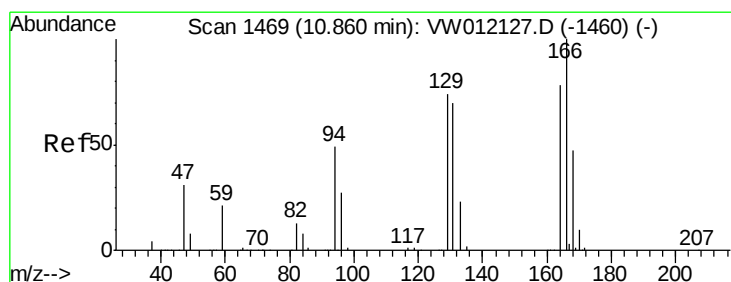
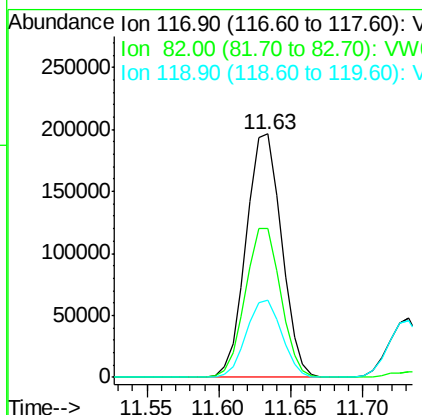
ClientSampleId :

VSTDCCC050EC

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#64

Tetrachloroethene

Concen: 50.750 ug/l

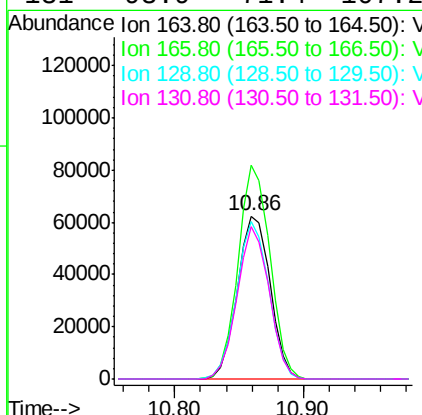
RT: 10.86 min Scan# 1469

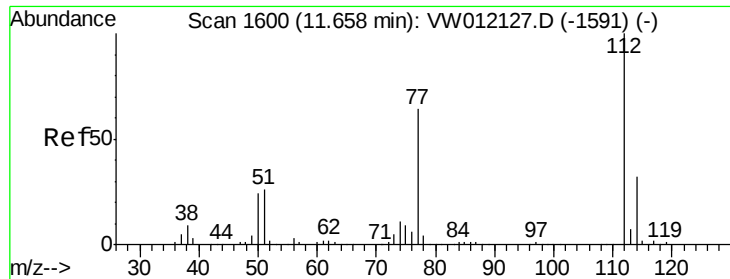
Delta R.T. 0.00 min

Lab File: VW012157.D

Acq: 24 Aug 2019 01:51

Tgt Ion:	164	Resp:	110159
Ion Ratio	Lower	Upper	
164	100		
166	131.2	102.4	153.6
129	96.7	75.8	113.6
131	93.9	71.4	107.2





#65
Chlorobenzene
Concen: 50.168 ug/l
RT: 11.66 min Scan# 1600
Delta R.T. 0.00 min
Lab File: VW012157.D
Acq: 24 Aug 2019 01:51

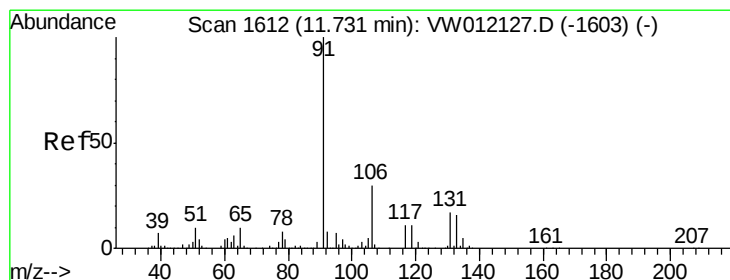
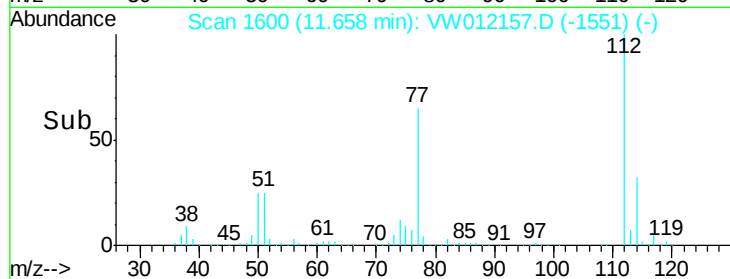
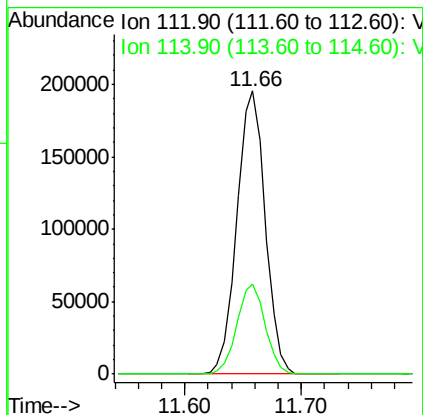
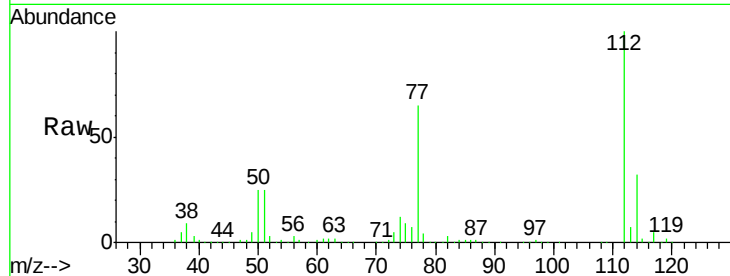
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tot Ion:112 Resp: 330733
Ion Ratio Lower Upper
112 100
114 32.0 25.8 38.6

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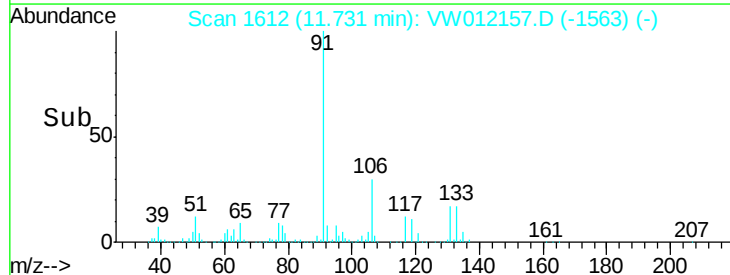
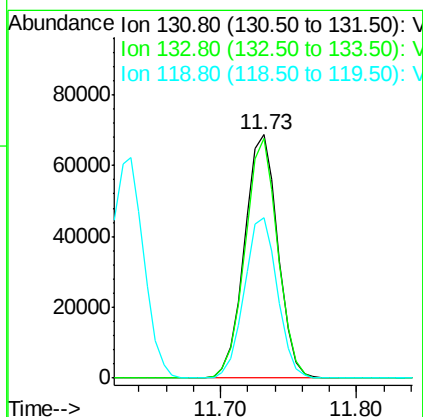
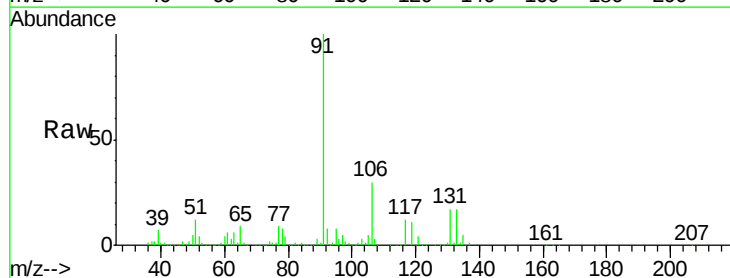
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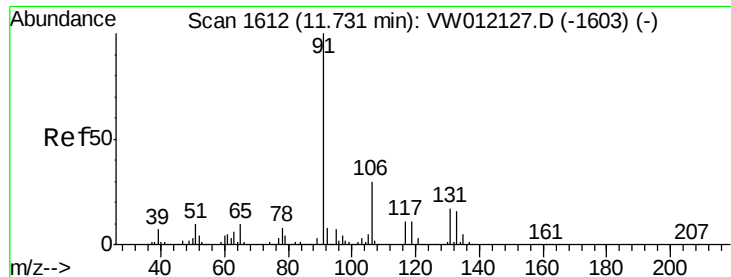
8/26/2019 11:38:32 AM



#66
1,1,1,2-Tetrachloroethane
Concen: 51.190 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. 0.00 min
Lab File: VW012157.D
Acq: 24 Aug 2019 01:51

Tgt Ion:131 Resp: 117731
Ion Ratio Lower Upper
131 100
133 96.2 47.1 141.3
119 65.6 31.8 95.3





#67
Ethyl Benzene
Concen: 49.794 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. 0.00 min
Lab File: VW012157.D
Acq: 24 Aug 2019 01:51

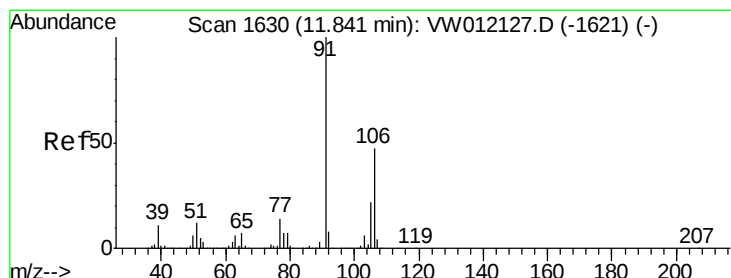
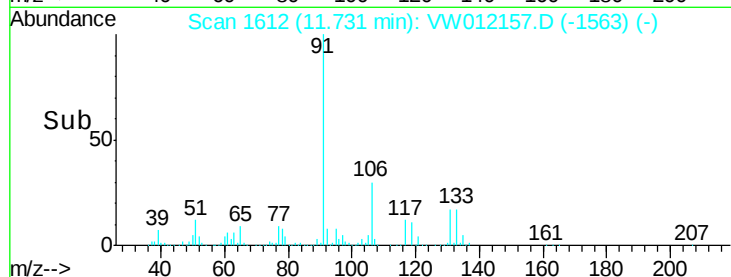
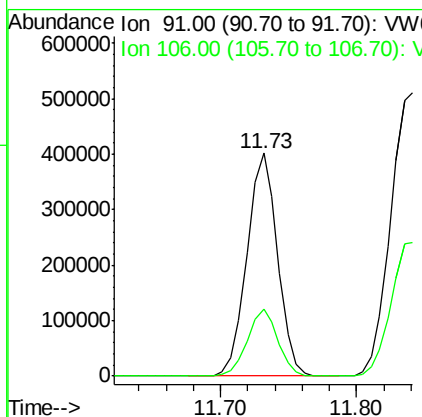
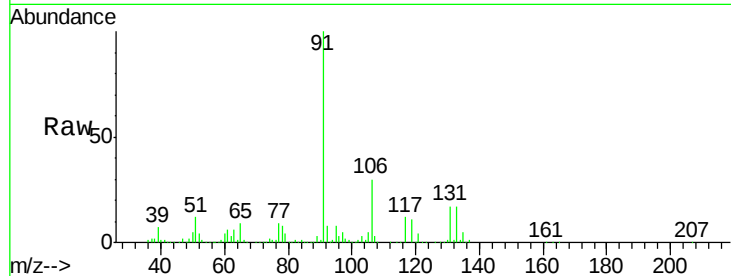
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tot Ion: 91 Resp: 632350
Ion Ratio Lower Upper
91 100
106 29.9 24.3 36.5

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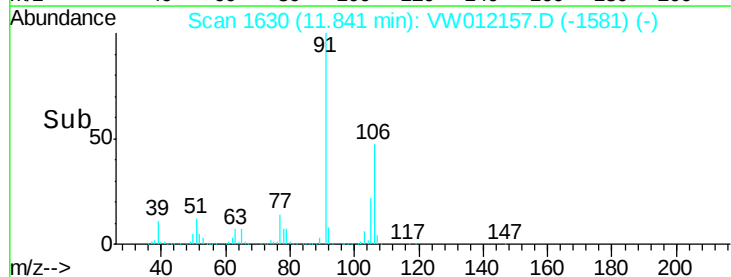
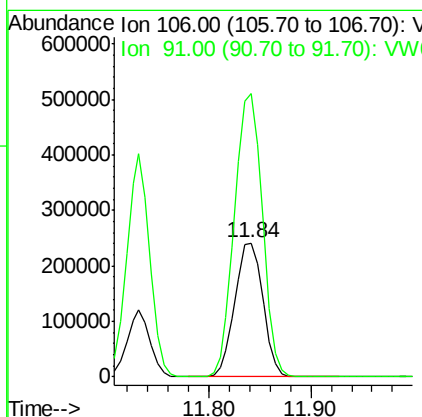
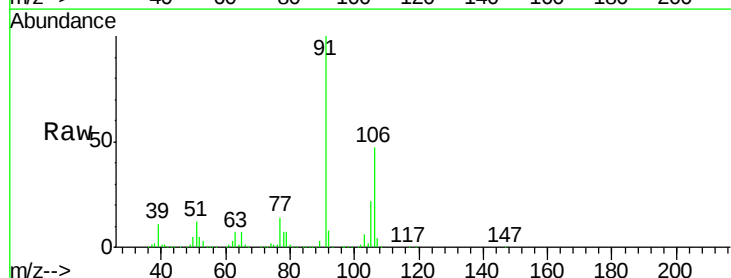
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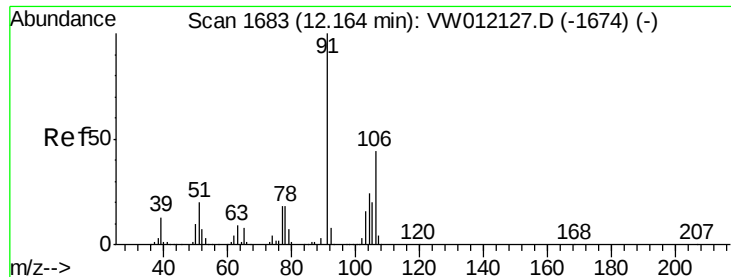
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#68
m/p-Xylenes
Concen: 100.181 ug/l
RT: 11.84 min Scan# 1630
Delta R.T. 0.00 min
Lab File: VW012157.D
Acq: 24 Aug 2019 01:51

Tgt Ion: 106 Resp: 458273
Ion Ratio Lower Upper
106 100
91 210.9 169.5 254.3





#69
o-Xylene
Concen: 51.007 ug/l
RT: 12.16 min Scan# 1683
Delta R.T. 0.00 min
Lab File: VW012157.D
Acq: 24 Aug 2019 01:51

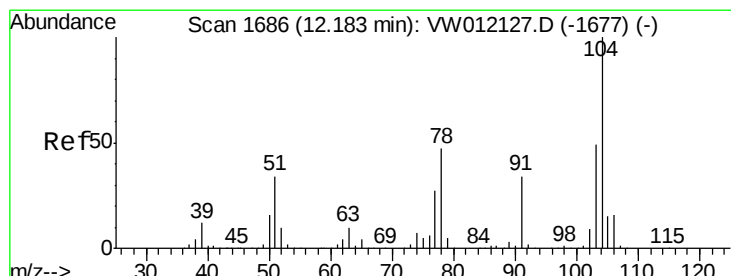
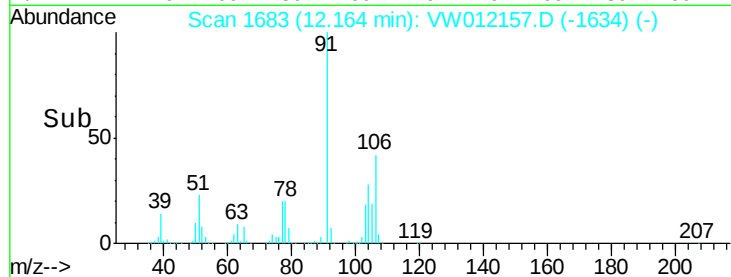
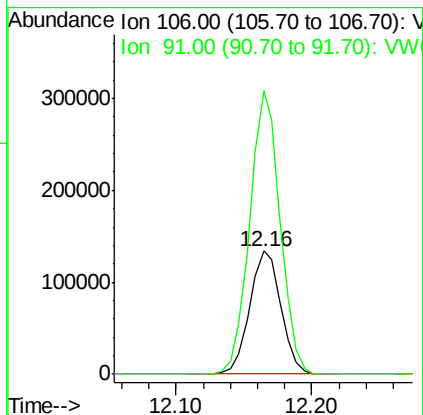
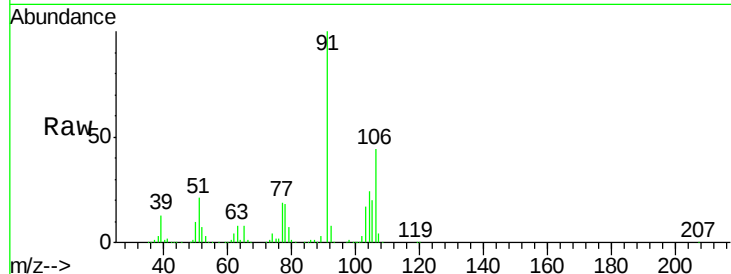
Instrument :
MSVOA_W
ClientSampleID :
VSTDCCC050EC

Tot Ion:106 Resp: 215954
Ion Ratio Lower Upper
106 100
91 223.5 111.6 334.6

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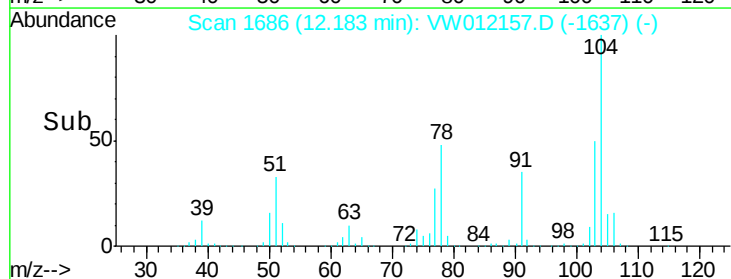
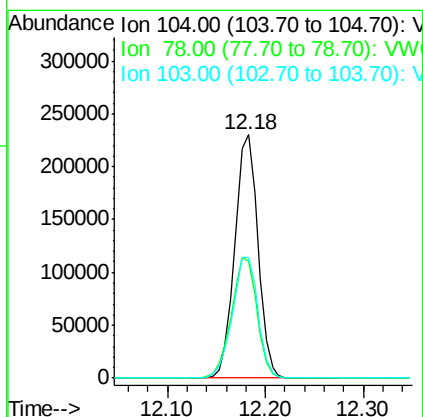
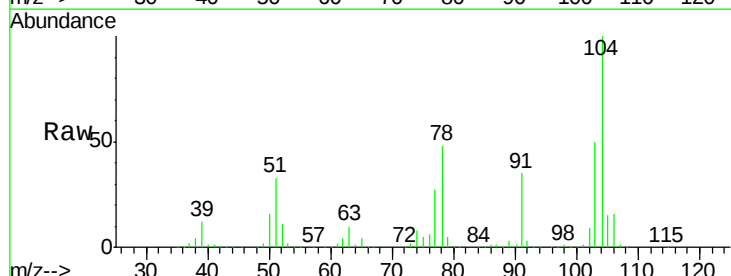
MMDadoda

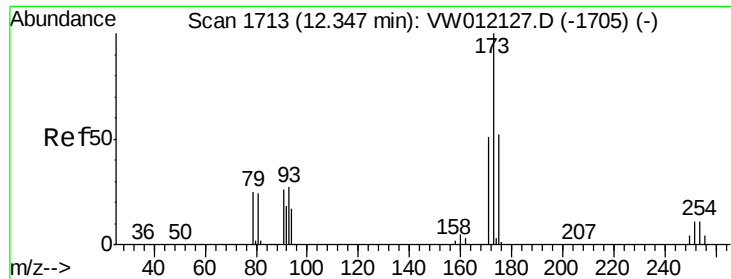
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#70
Styrene
Concen: 51.676 ug/l
RT: 12.18 min Scan# 1686
Delta R.T. 0.00 min
Lab File: VW012157.D
Acq: 24 Aug 2019 01:51

Tgt Ion:104 Resp: 378696
Ion Ratio Lower Upper
104 100
78 54.6 43.1 64.7
103 54.9 43.5 65.3





#71
Bromoform
Concen: 53.907 ug/l
RT: 12.35 min Scan# 1713
Delta R.T. 0.00 min
Lab File: VW012157.D
Acq: 24 Aug 2019 01:51

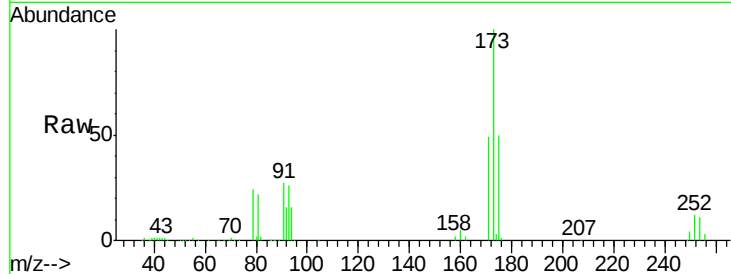
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ion	Ratio	Lower	Upper
173	100			
175	48.7	24.6	74.0	
254	0.1	0.2	0.2	

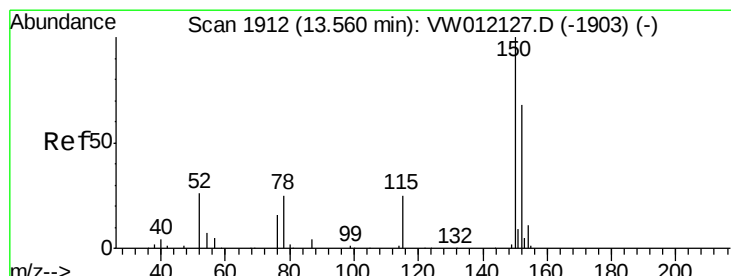
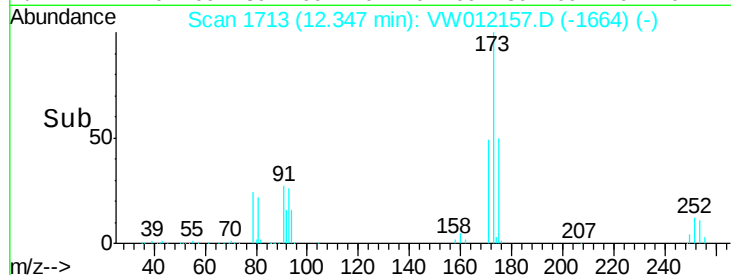
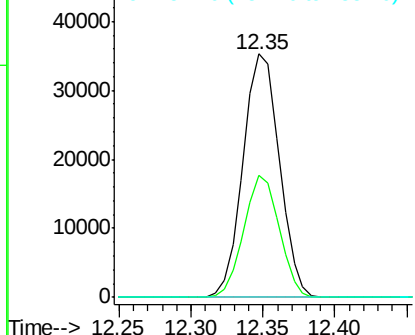
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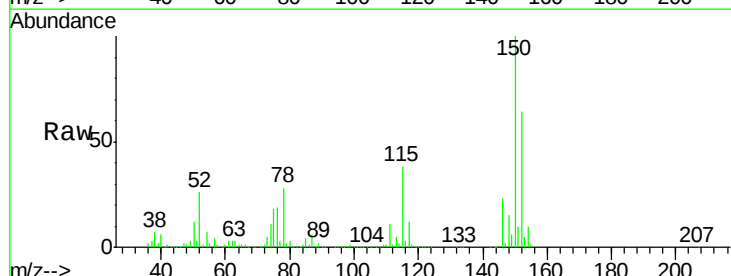


Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V

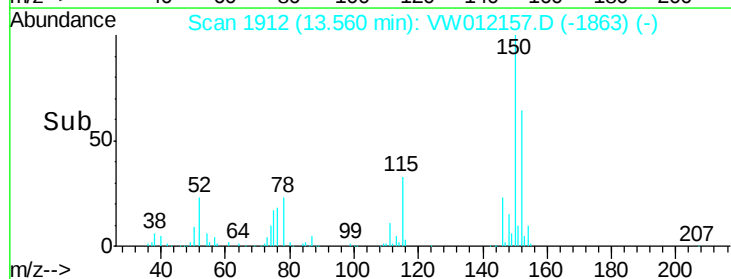
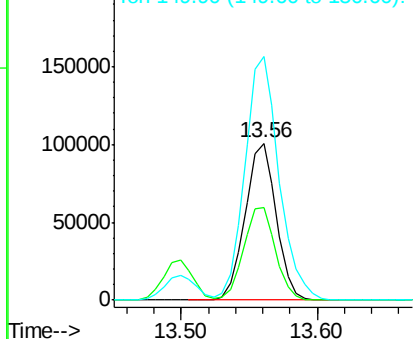


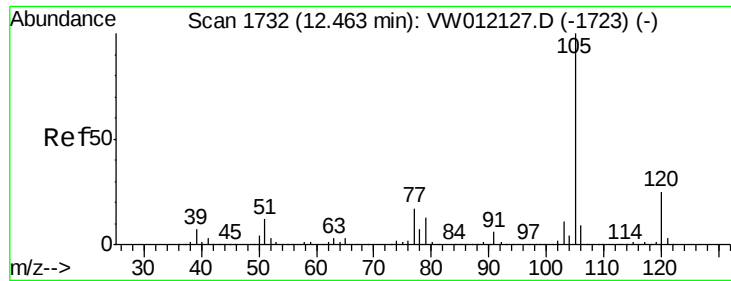
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.56 min Scan# 1912
Delta R.T. 0.00 min
Lab File: VW012157.D
Acq: 24 Aug 2019 01:51

Tgt Ion	Ion	Ratio	Lower	Upper
152	100			
115	60.4	30.1	90.3	
150	171.0	0.0	345.8	



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: 48.468 ug/l

RT: 12.46 min Scan# 1732

Delta R.T. 0.00 min

Lab File: VW012157.D

Acq: 24 Aug 2019 01:51

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

Tot Ion:105 Resp: 582715

Ion Ratio Lower Upper

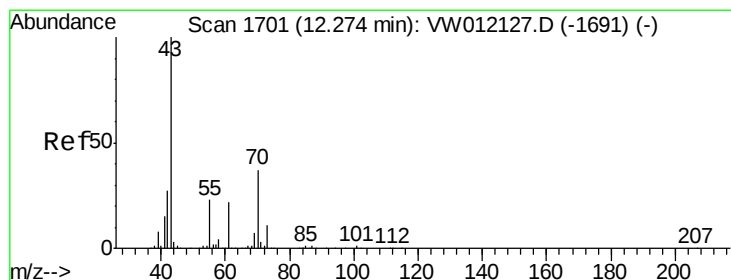
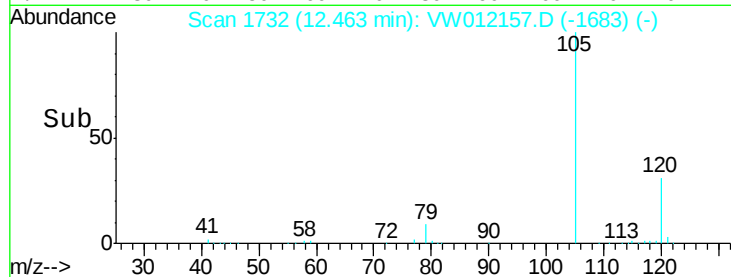
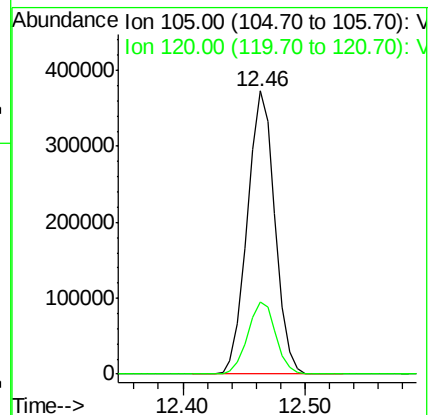
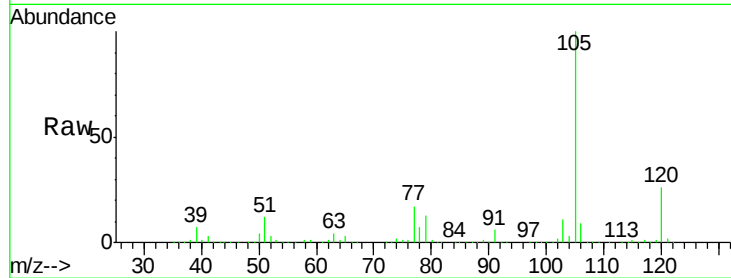
105 100

120 26.0 12.5 37.5

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#74

N-ethyl acetate

Concen: 54.923 ug/l

RT: 12.27 min Scan# 1701

Delta R.T. 0.00 min

Lab File: VW012157.D

Acq: 24 Aug 2019 01:51

Tgt Ion: 43 Resp: 199499

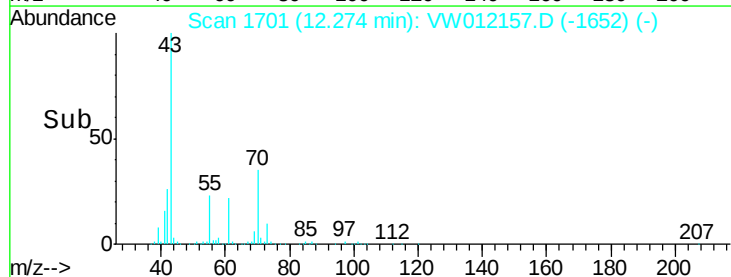
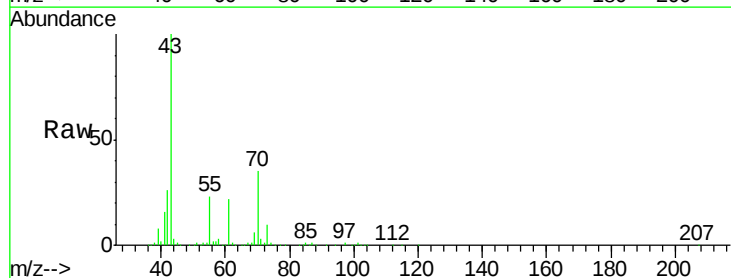
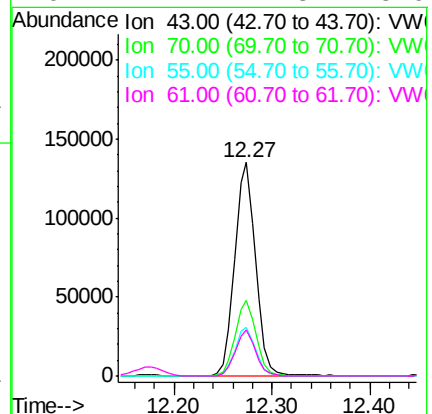
Ion Ratio Lower Upper

43 100

70 35.3 28.6 43.0

55 22.6 17.8 26.6

61 21.1 17.3 25.9





#75

1,1,2,2-Tetrachloroethane

Concen: 53.926 ug/l

RT: 12.71 min Scan# 1773

Delta R.T. 0.00 min

Lab File: VW012157.D

Acq: 24 Aug 2019 01:51

Instrument :

MSVOA_W

ClientSampleId :

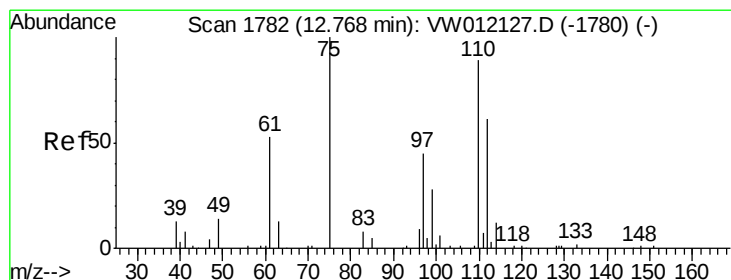
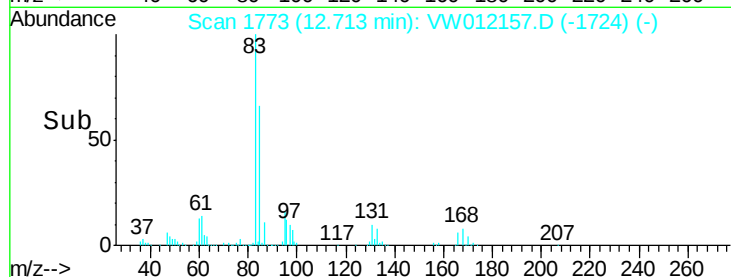
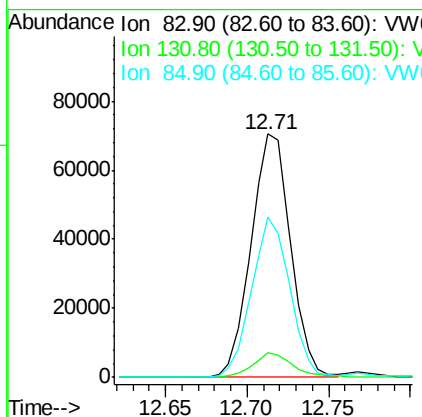
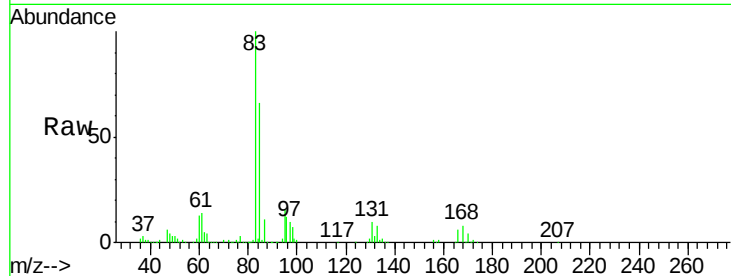
VSTDCCC050EC

Tot Ion:	83	Resp:	118859
Ion Ratio	Lower	Upper	
83	100		
131	10.2	4.9	14.7
85	63.5	31.9	95.7

Manual Integrations
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#76

1,2,3-Trichloropropane

Concen: 53.203 ug/l m

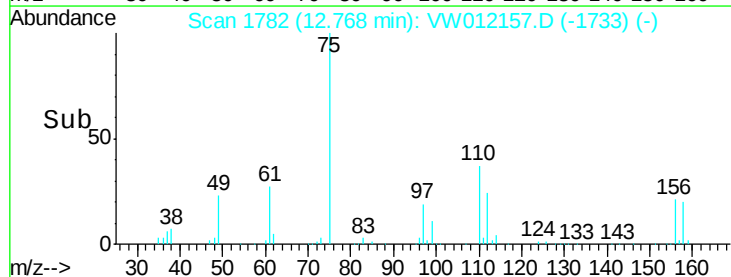
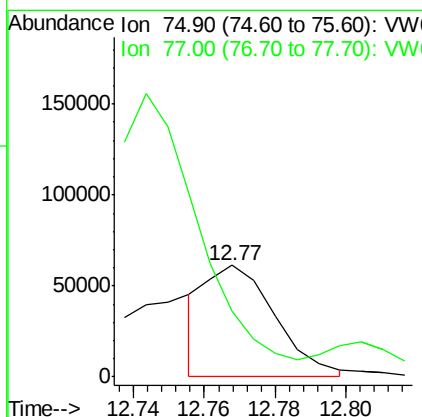
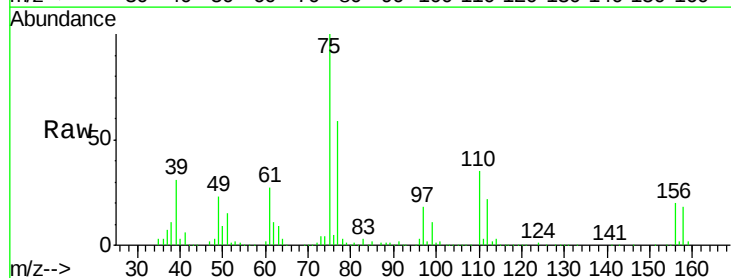
RT: 12.77 min Scan# 1782

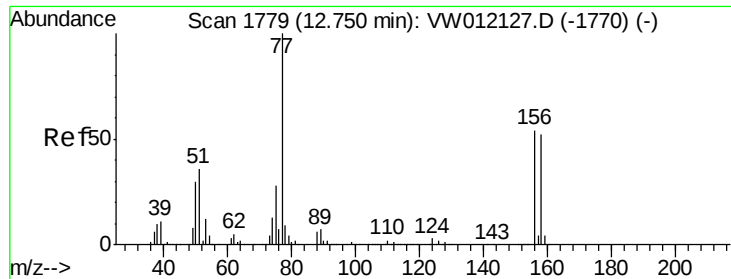
Delta R.T. 0.00 min

Lab File: VW012157.D

Acq: 24 Aug 2019 01:51

Tgt Ion:	75	Resp:	83138
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





#77

Bromobenzene

Concen: 51.128 ug/l

RT: 12.74 min Scan# 1778

Delta R.T. -0.01 min

Lab File: VW012157.D

Acq: 24 Aug 2019 01:51

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

Tot Ion:156 Resp: 132982

Ion Ratio Lower Upper

156 100

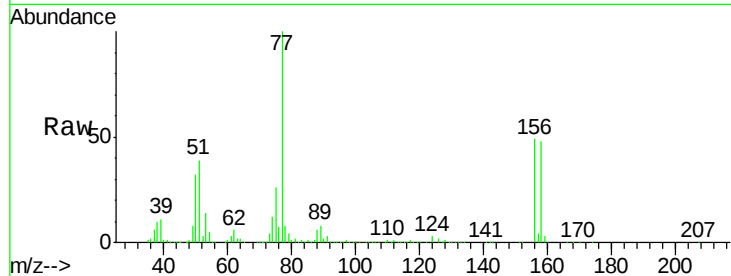
77 215.5 107.3 321.8

158 96.7 49.0 147.0

Manual Integrations
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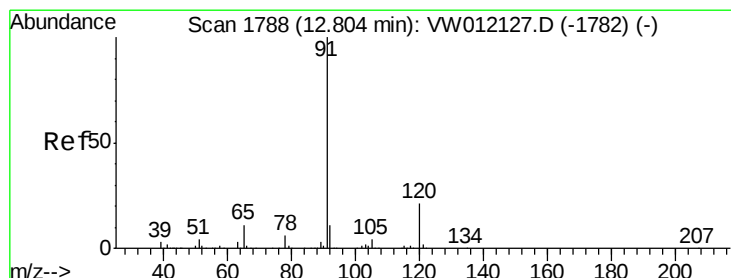
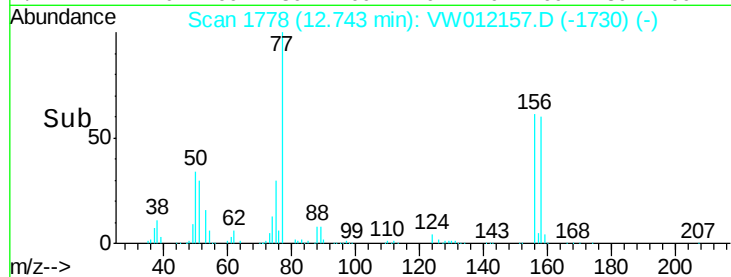
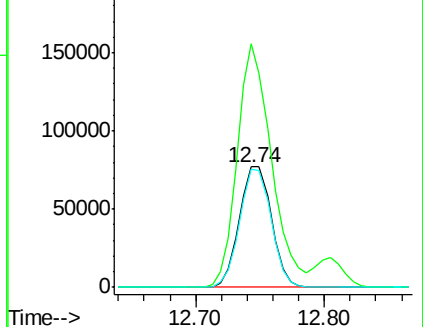
8/26/2019 11:38:32 AM



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: 48.451 ug/l

RT: 12.80 min Scan# 1788

Delta R.T. 0.00 min

Lab File: VW012157.D

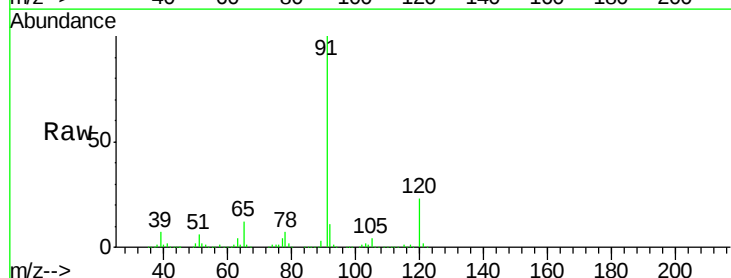
Acq: 24 Aug 2019 01:51

Tgt Ion: 91 Resp: 711119

Ion Ratio Lower Upper

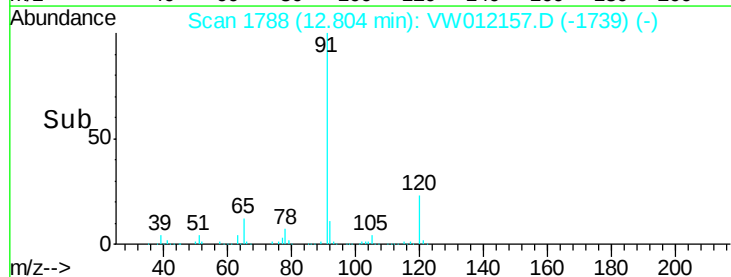
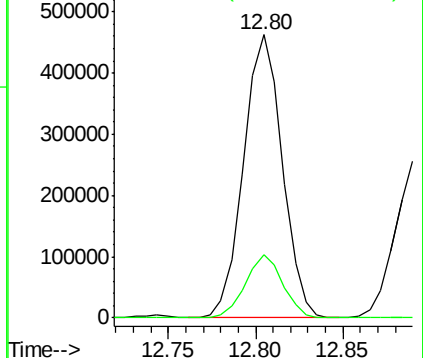
91 100

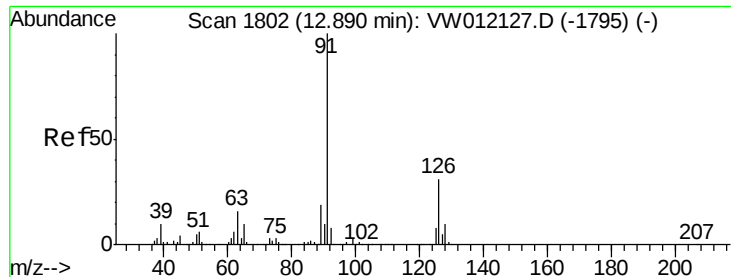
120 21.6 10.5 31.6



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 49.764 ug/l

RT: 12.89 min Scan# 1802

Delta R.T. 0.00 min

Lab File: VW012157.D

Acq: 24 Aug 2019 01:51

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

Tot Ion: 91 Resp: 414681

Ion Ratio Lower Upper

91 100

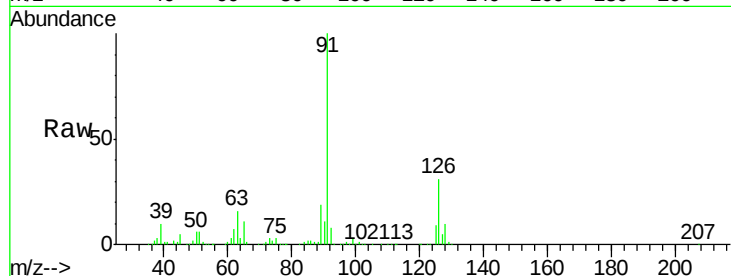
126 31.4 15.7 47.0

Manual Integrations

APPROVED

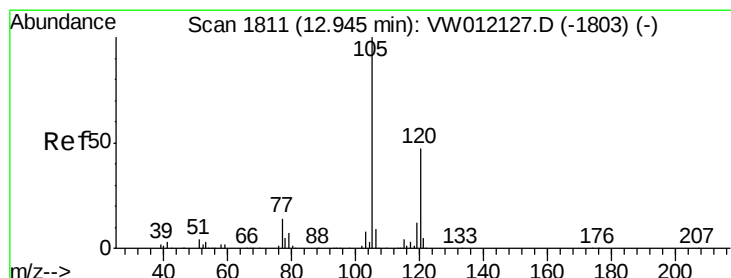
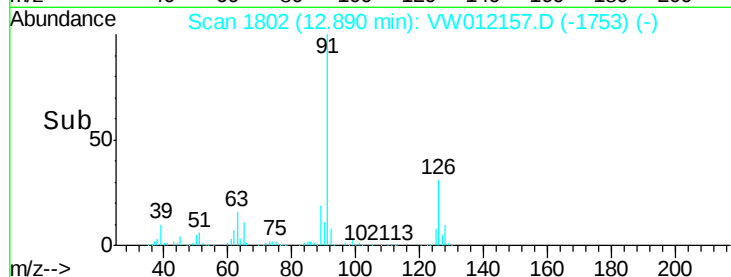
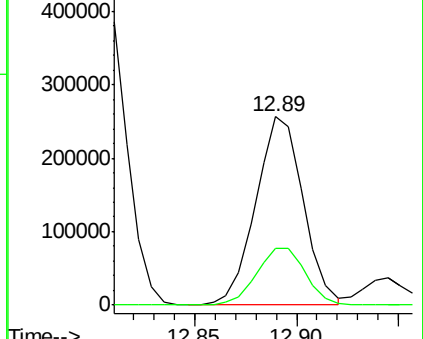
MMDadoda

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Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 125.90 (125.60 to 126.60): V



#80

1,3,5-Trimethylbenzene

Concen: 49.699 ug/l

RT: 12.94 min Scan# 1811

Delta R.T. 0.00 min

Lab File: VW012157.D

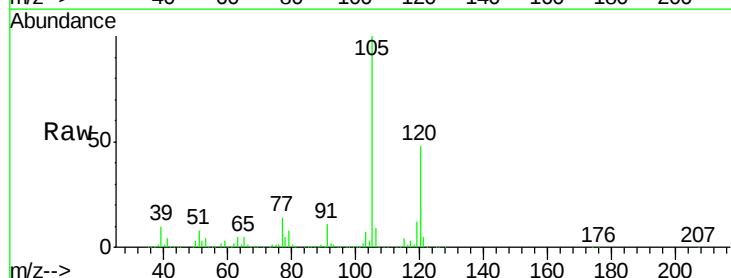
Acq: 24 Aug 2019 01:51

Tgt Ion:105 Resp: 499275

Ion Ratio Lower Upper

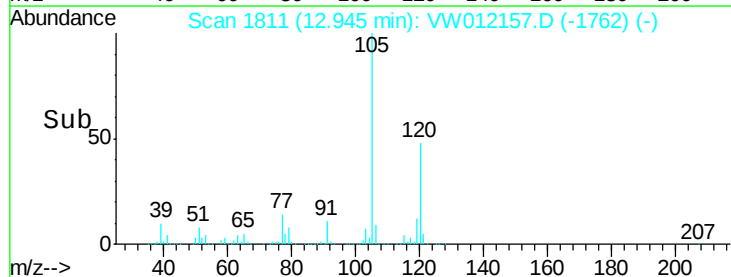
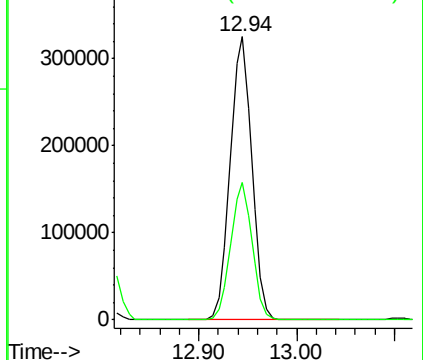
105 100

120 47.9 24.0 72.0



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: 50.810 ug/l
RT: 12.51 min Scan# 1740
Delta R.T. 0.00 min
Lab File: VW012157.D
Acq: 24 Aug 2019 01:51

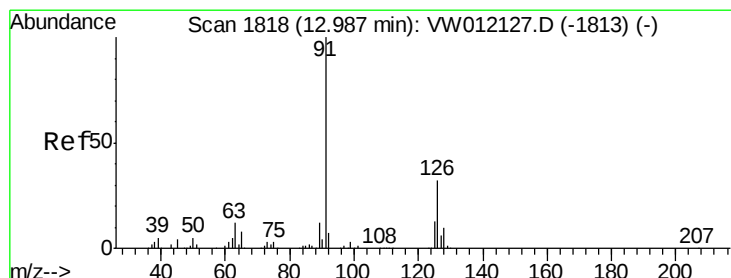
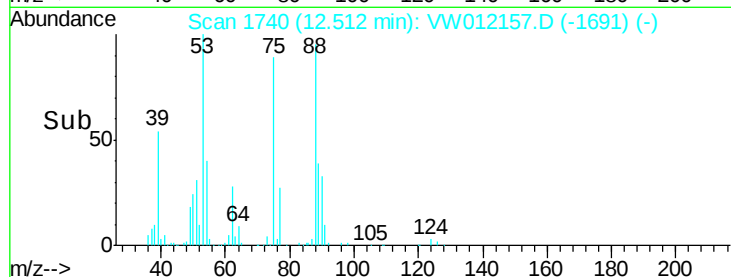
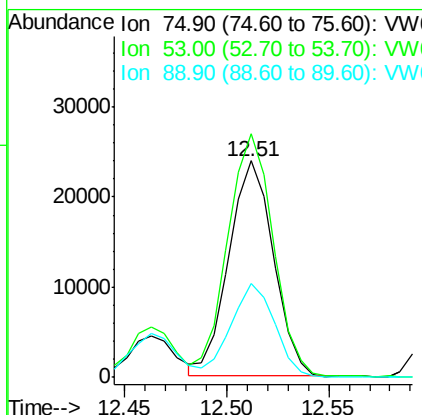
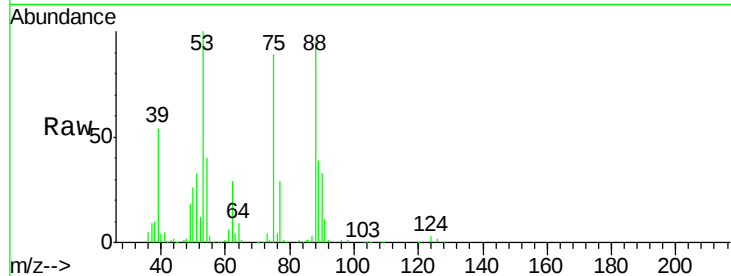
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
75	100		
53	117.4	89.4	134.0
89	43.0	34.5	51.7

Manual Integrations
APPROVED

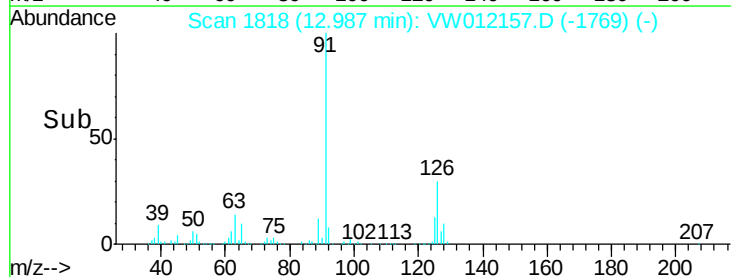
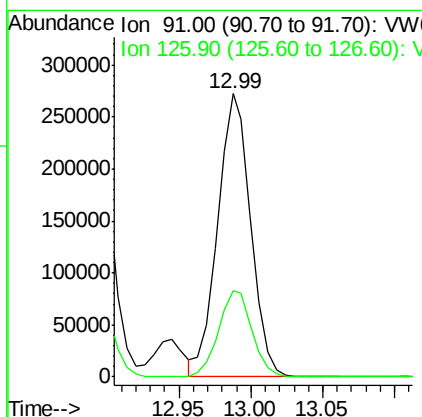
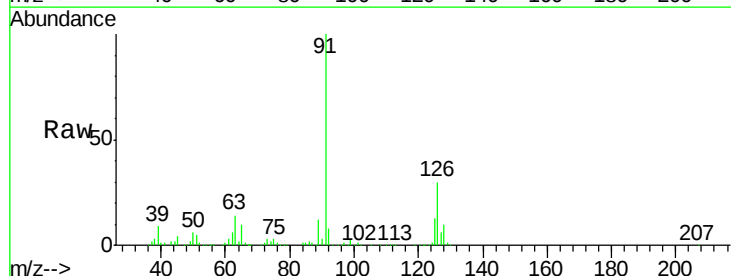
MMDadoda

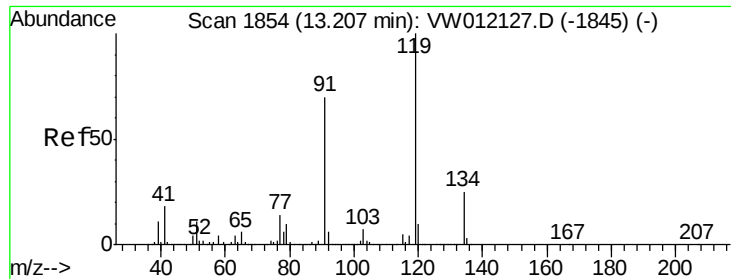
8/26/2019 11:38:32 AM



#82
4-Chlorotoluene
Concen: 49.706 ug/l
RT: 12.99 min Scan# 1818
Delta R.T. 0.00 min
Lab File: VW012157.D
Acq: 24 Aug 2019 01:51

Tgt Ion	Ratio	Lower	Upper
91	100		
126	31.1	15.6	46.8





#83
tert-Butylbenzene
Concen: 49.203 ug/l
RT: 13.21 min Scan# 1854
Delta R.T. 0.00 min
Lab File: VW012157.D
Acq: 24 Aug 2019 01:51

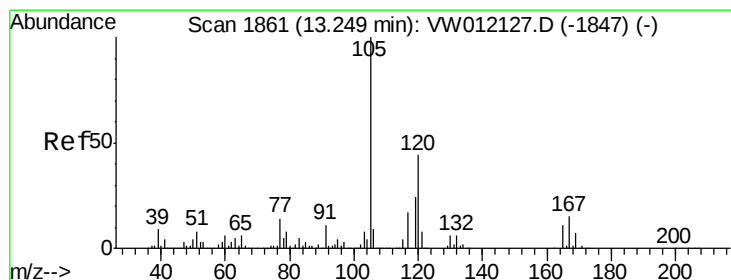
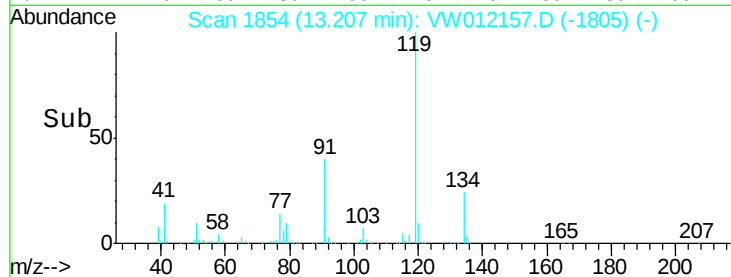
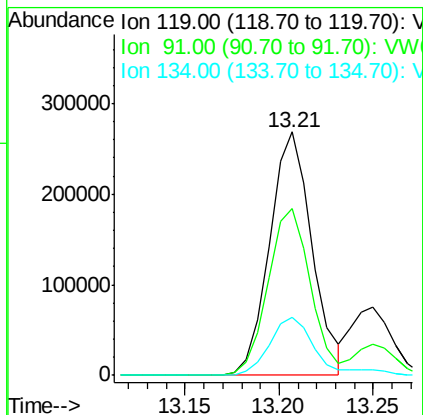
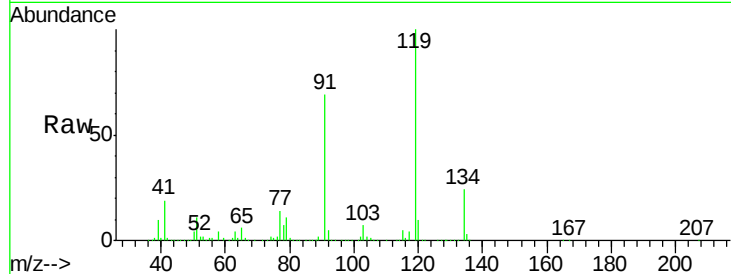
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
119	100		
91	68.7	34.8	104.3
134	24.3	13.3	39.8

Manual Integrations
APPROVED

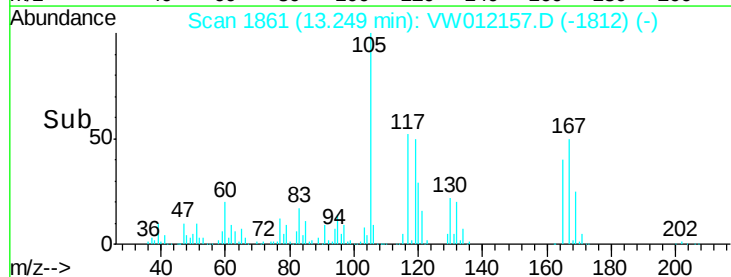
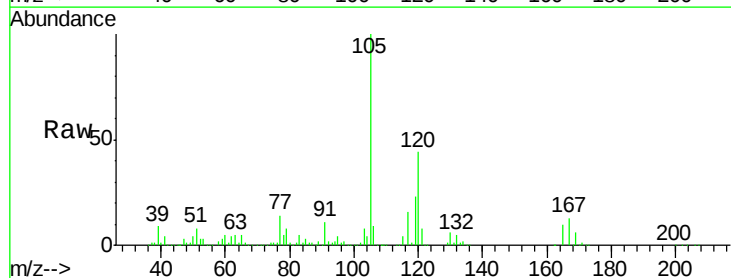
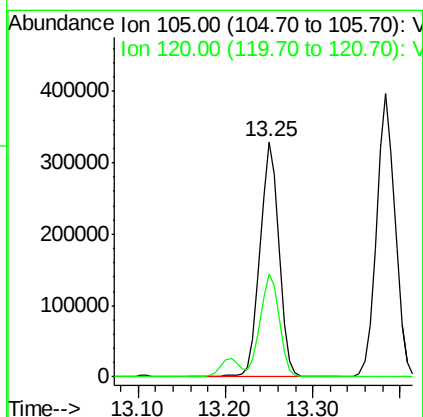
MMDadoda

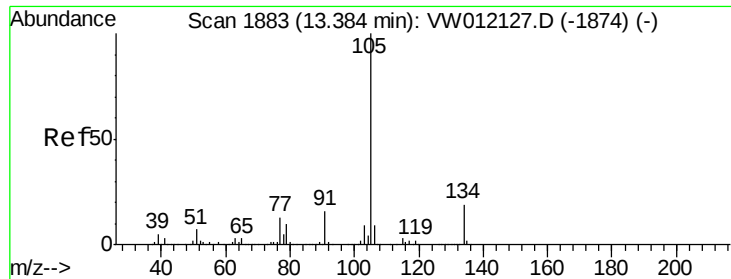
8/26/2019 11:38:32 AM



#84
1,2,4-Trimethylbenzene
Concen: 49.437 ug/l
RT: 13.25 min Scan# 1861
Delta R.T. 0.00 min
Lab File: VW012157.D
Acq: 24 Aug 2019 01:51

Tgt Ion	Ratio	Lower	Upper
105	100		
120	43.9	21.9	65.7





#85

sec-Butylbenzene

Concen: 47.710 ug/l

RT: 13.38 min Scan# 1883

Delta R.T. 0.00 min

Lab File: VW012157.D

Acq: 24 Aug 2019 01:51

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

Tot Ion:105 Resp: 581673

Ion Ratio Lower Upper

105 100

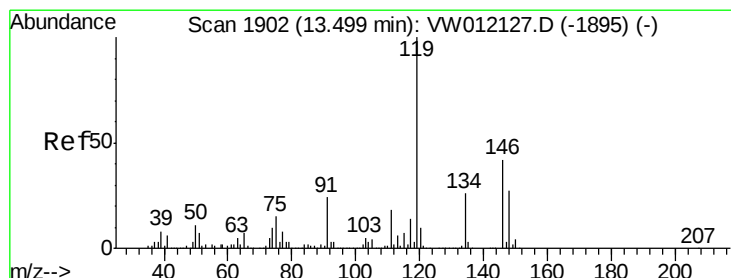
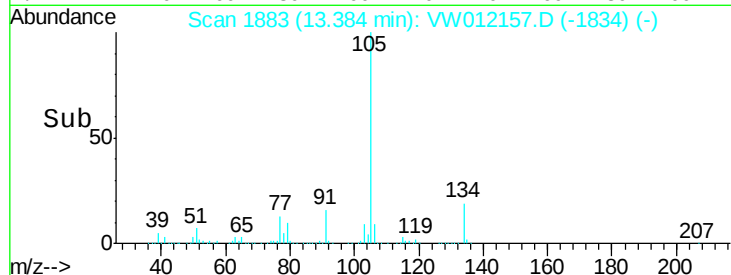
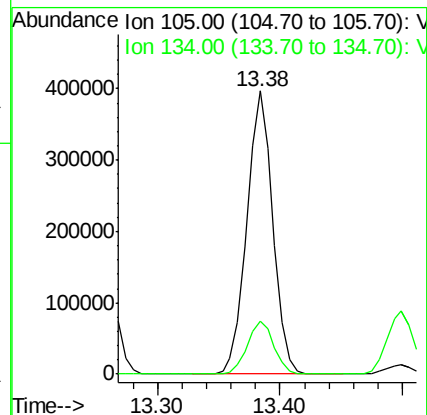
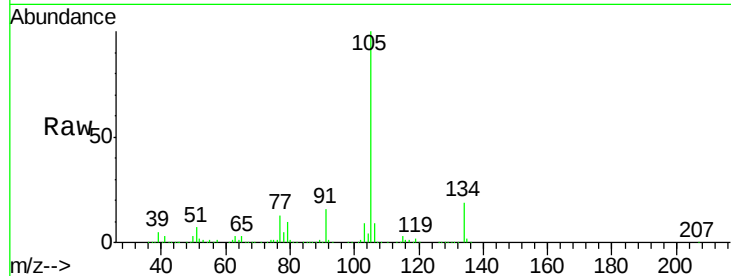
134 19.4 9.8 29.4

Manual Integrations

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#86

p-Isopropyltoluene

Concen: 48.118 ug/l

RT: 13.50 min Scan# 1902

Delta R.T. 0.00 min

Lab File: VW012157.D

Acq: 24 Aug 2019 01:51

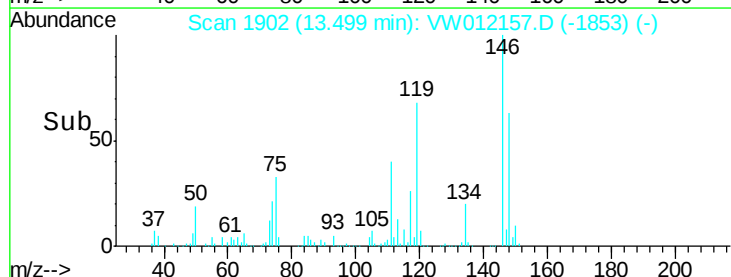
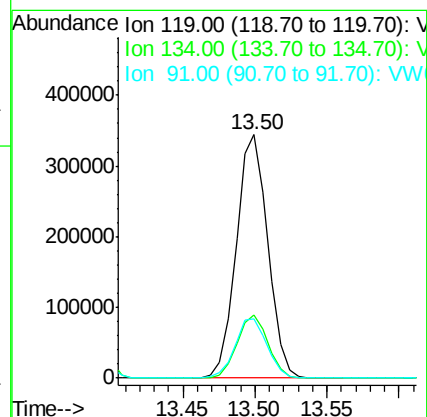
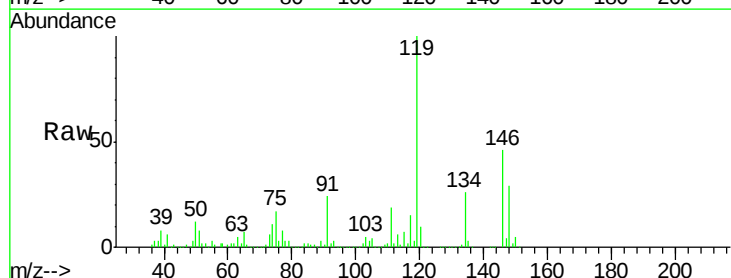
Tgt Ion:119 Resp: 523914

Ion Ratio Lower Upper

119 100

134 25.4 12.8 38.3

91 24.7 12.3 36.9





#87
 1,3-Dichlorobenzene
 Concen: 49.277 ug/l
 RT: 13.50 min Scan# 1902
 Delta R.T. 0.00 min
 Lab File: VW012157.D
 Acq: 24 Aug 2019 01:51

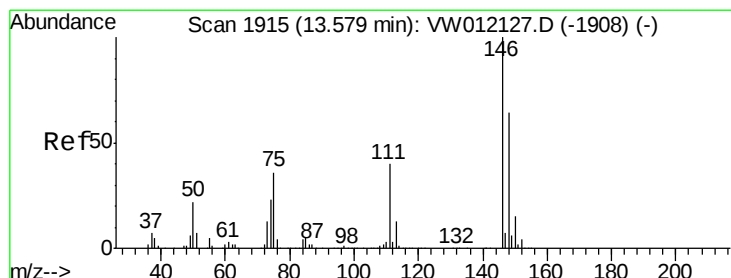
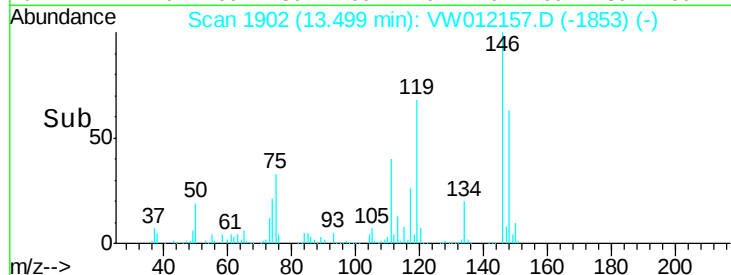
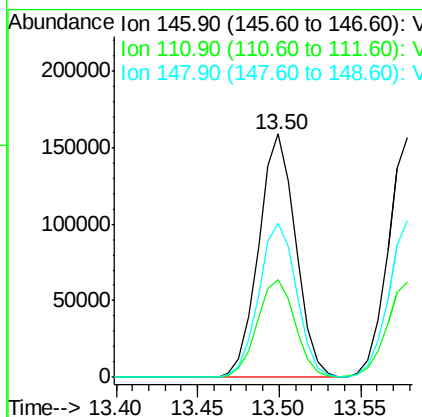
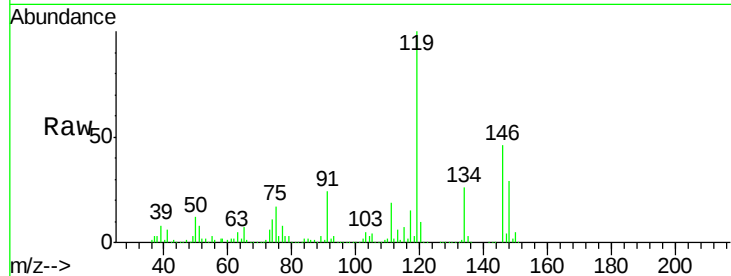
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
146	100		
111	41.1	20.9	62.7
148	64.5	32.2	96.6

Manual Integrations
 APPROVED

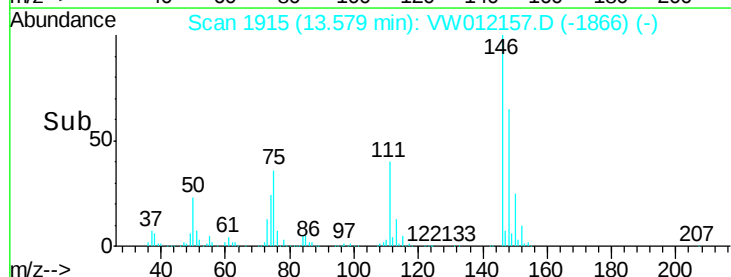
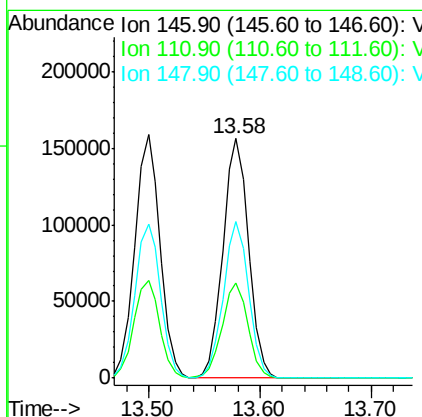
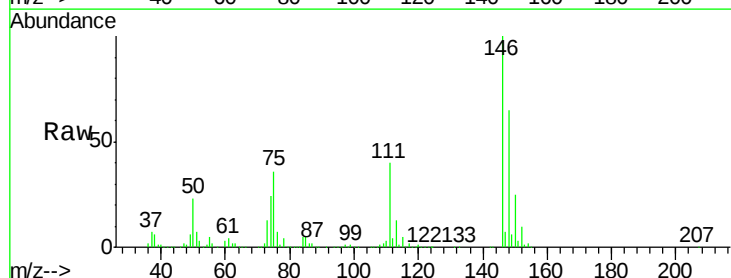
MMDadoda

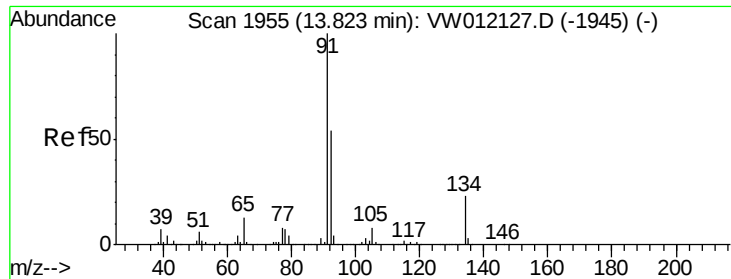
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#88
 1,4-Dichlorobenzene
 Concen: 49.268 ug/l
 RT: 13.58 min Scan# 1915
 Delta R.T. 0.00 min
 Lab File: VW012157.D
 Acq: 24 Aug 2019 01:51

Tgt Ion	Ratio	Lower	Upper
146	100		
111	40.2	20.0	60.0
148	64.5	32.1	96.3





#89
n-Butylbenzene
Concen: 46.880 ug/l
RT: 13.82 min Scan# 1955
Delta R.T. 0.00 min
Lab File: VW012157.D
Acq: 24 Aug 2019 01:51

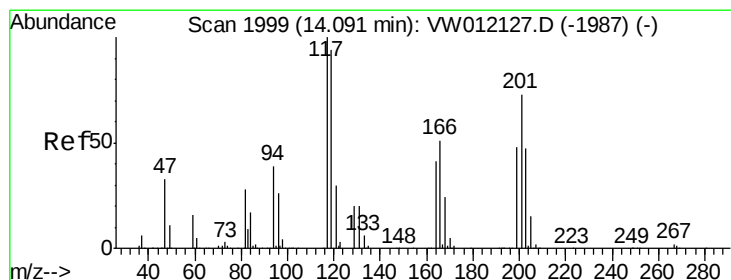
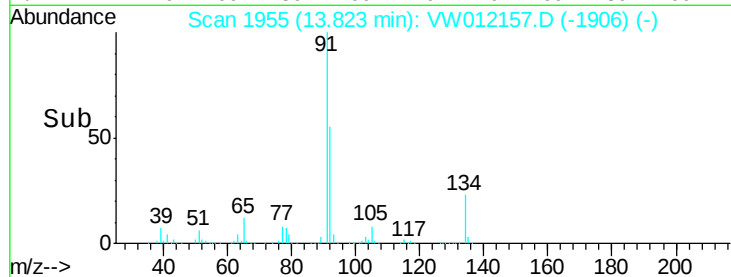
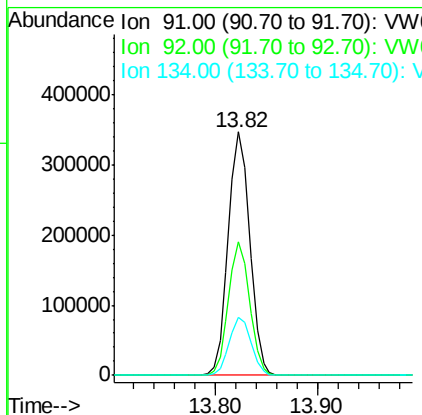
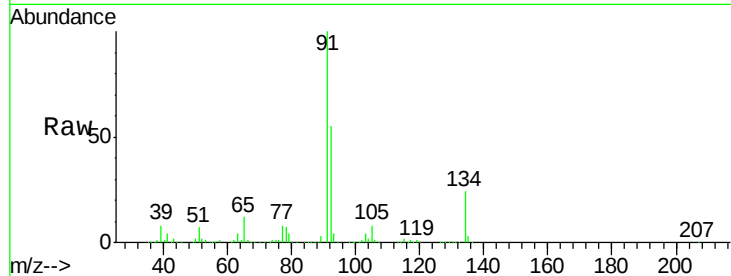
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
91	100			
92	54.0		27.1	81.2
134	24.0		12.2	36.4

Manual Integrations
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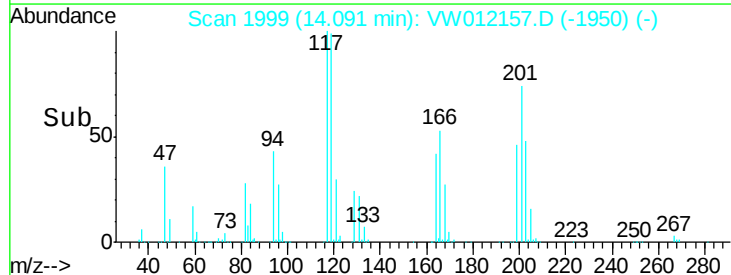
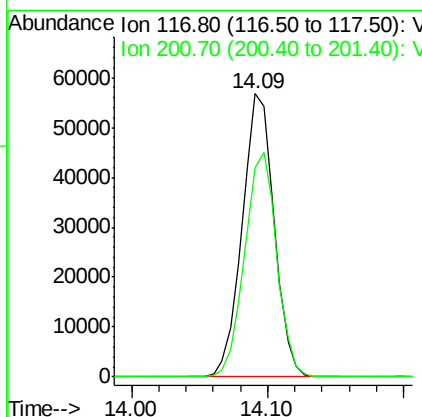
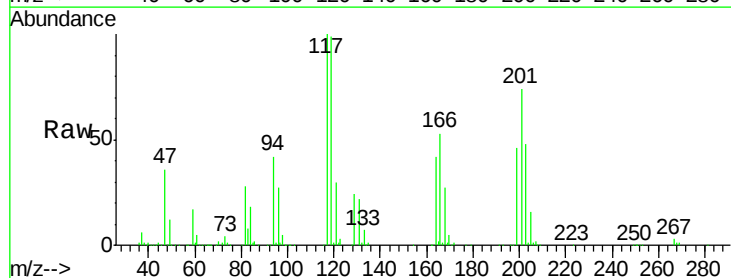
MMDadoda

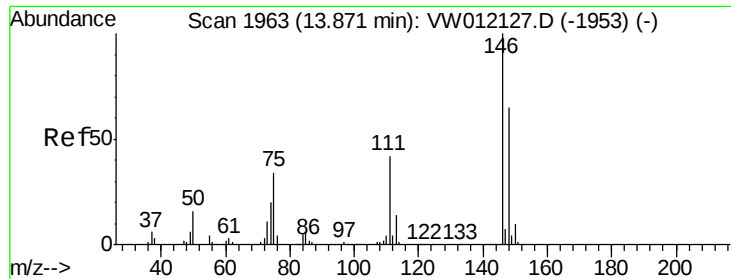
8/26/2019 11:38:32 AM



#90
Hexachloroethane
Concen: 48.755 ug/l
RT: 14.09 min Scan# 1999
Delta R.T. 0.00 min
Lab File: VW012157.D
Acq: 24 Aug 2019 01:51

Tgt Ion	Ratio	Resp	Lower	Upper
117	100			
201	79.7		38.6	115.7





#91
 1,2-Dichlorobenzene
 Concen: 50.538 ug/l
 RT: 13.87 min Scan# 1963
 Delta R.T. 0.00 min
 Lab File: VW012157.D
 Acq: 24 Aug 2019 01:51

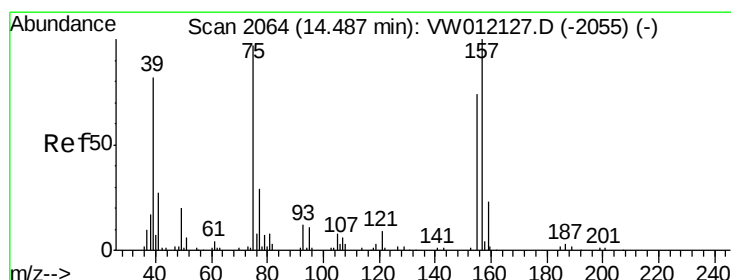
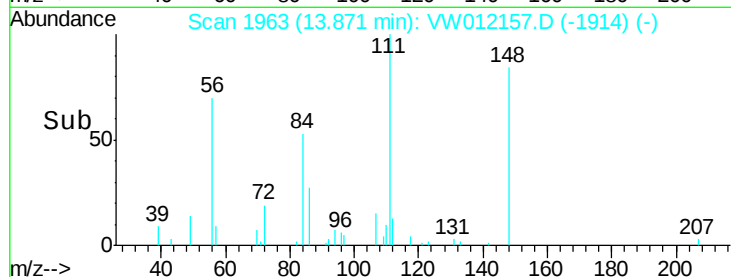
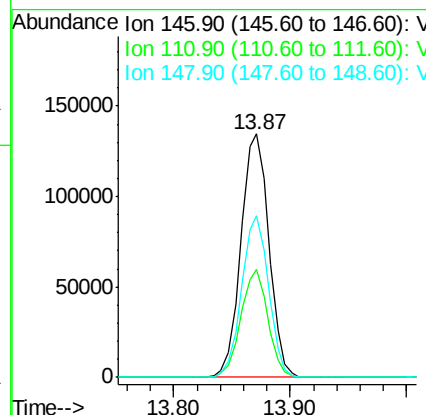
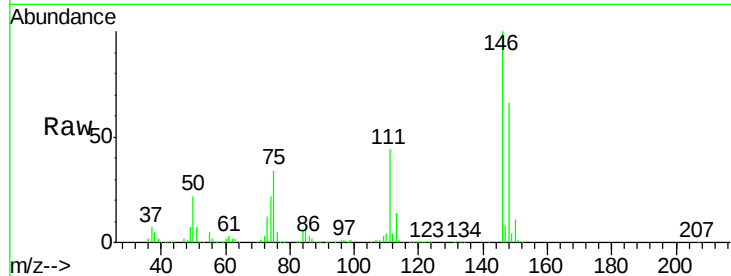
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050EC

Tot Ion:	146	Resp:	225547
Ion Ratio	Lower	Upper	
146	100		
111	42.7	21.2	63.6
148	64.0	32.5	97.4

Manual Integrations
 APPROVED

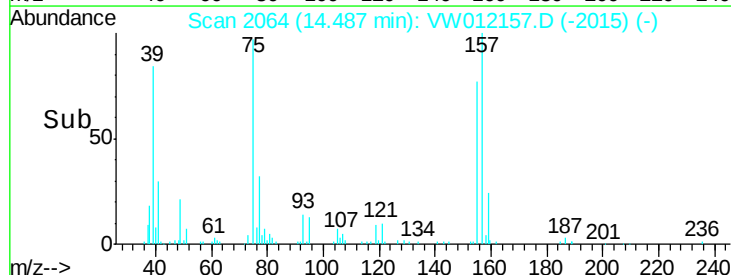
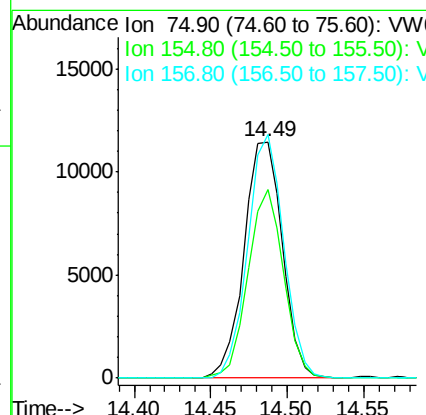
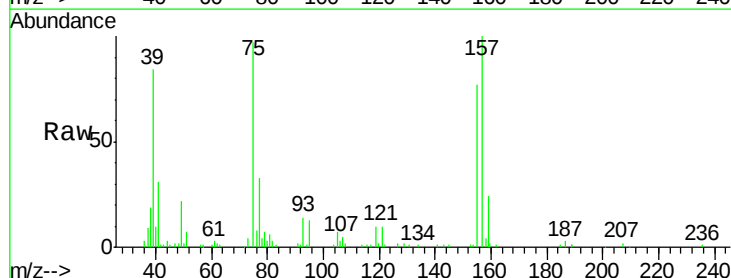
MMDadoda

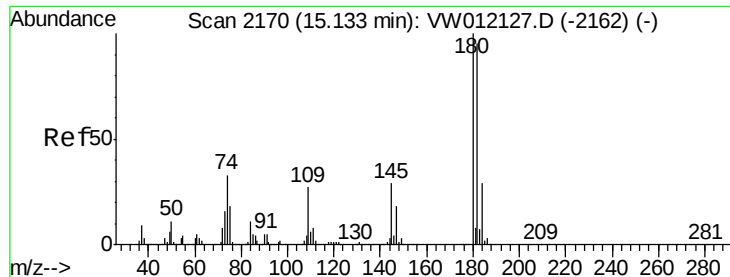
8/26/2019 11:38:32 AM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 53.774 ug/l
 RT: 14.49 min Scan# 2064
 Delta R.T. 0.00 min
 Lab File: VW012157.D
 Acq: 24 Aug 2019 01:51

Tgt Ion:	75	Resp:	19981
Ion Ratio	Lower	Upper	
75	100		
155	74.2	37.5	112.3
157	96.4	50.5	151.5





#93
 1,2,4-Trichlorobenzene
 Concen: 49.138 ug/l
 RT: 15.13 min Scan# 2170
 Delta R.T. 0.00 min
 Lab File: VW012157.D
 Acq: 24 Aug 2019 01:51

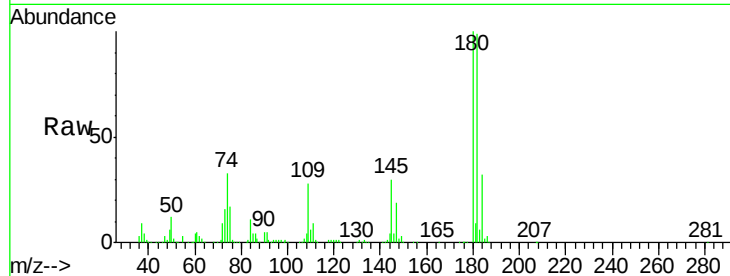
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
180	100	151551		
182	95.0	47.8	143.4	
145	30.3	15.0	45.1	

Manual Integrations
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MMDadoda

8/26/2019 11:38:32 AM

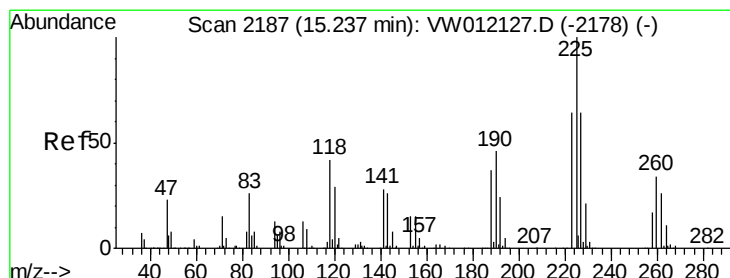
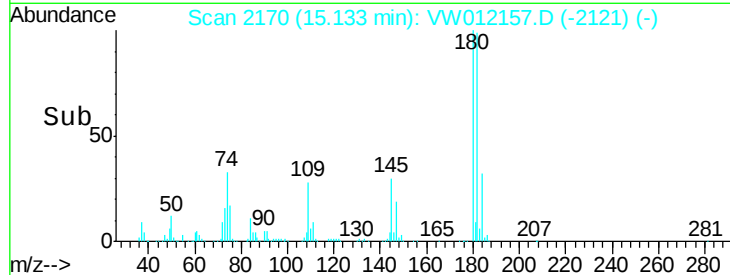
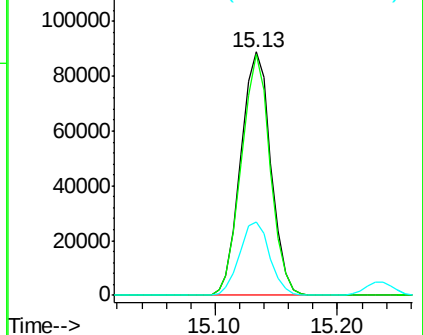


Abundance

Ion 179.80 (179.50 to 180.50): V

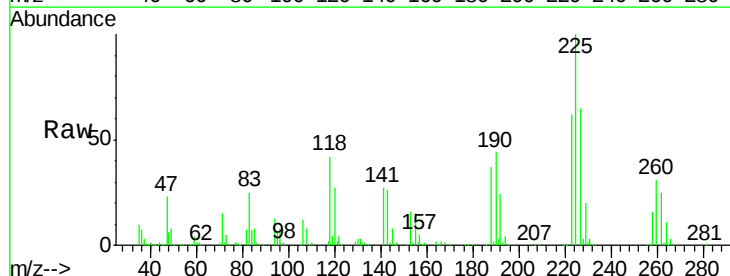
Ion 181.80 (181.50 to 182.50): V

Ion 144.80 (144.50 to 145.50): V



#94
 Hexachlorobutadiene
 Concen: 46.736 ug/l
 RT: 15.24 min Scan# 2187
 Delta R.T. 0.00 min
 Lab File: VW012157.D
 Acq: 24 Aug 2019 01:51

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	95177		
223	63.4	32.3	96.8	
227	63.7	32.9	98.6	

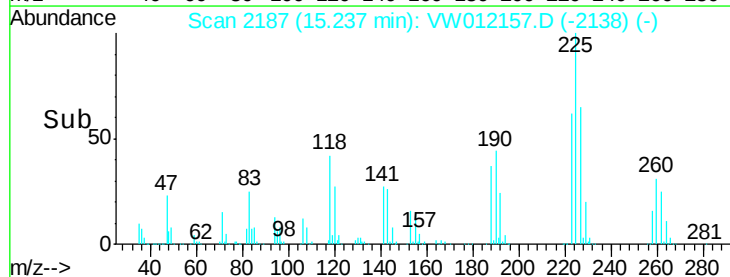
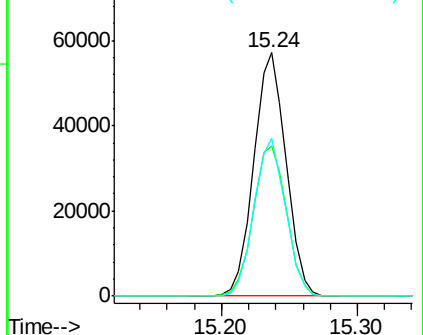


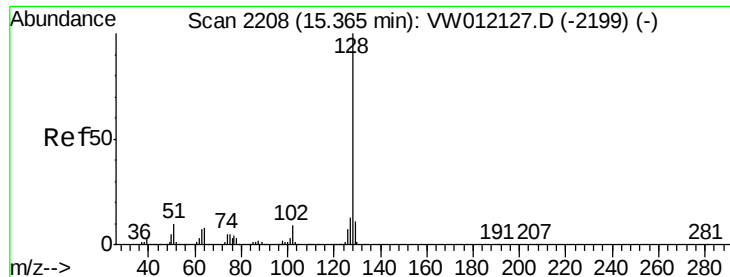
Abundance

Ion 224.70 (224.40 to 225.40): V

Ion 222.70 (222.40 to 223.40): V

Ion 226.70 (226.40 to 227.40): V





#95
Naphthalene
Concen: 49.701 ug/l
RT: 15.36 min Scan# 2208
Delta R.T. 0.00 min
Lab File: VW012157.D
Acq: 24 Aug 2019 01:51

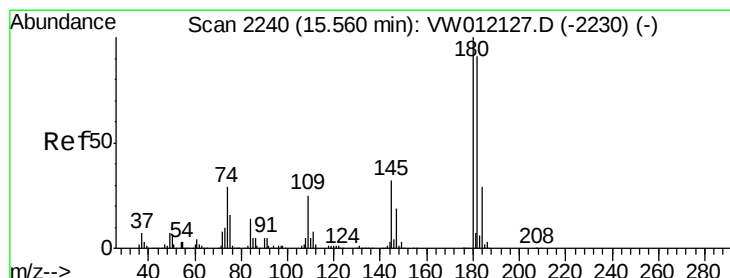
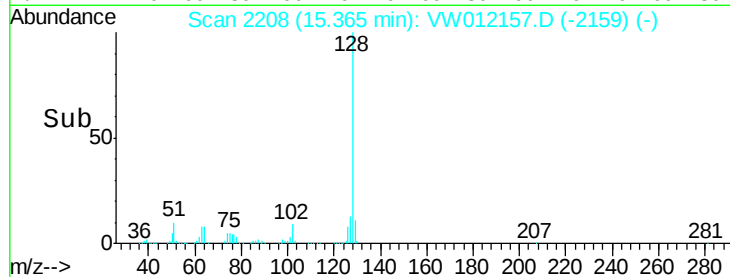
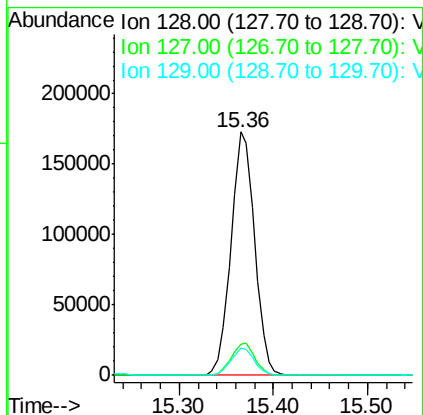
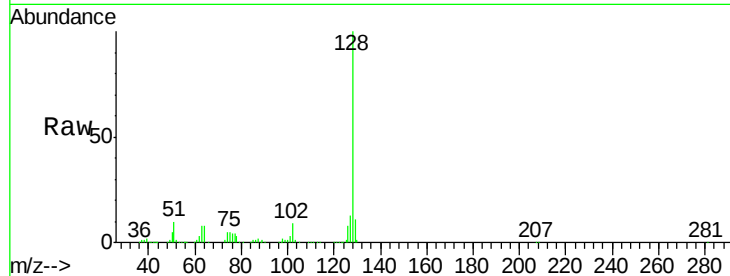
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tot Ion:	128	Resp:	300620
Ion Ratio		Lower	Upper
128	100		
127	13.4	10.7	16.1
129	11.1	8.7	13.1

Manual Integrations
APPROVED

MMDadoda

8/26/2019 11:38:32 AM



#96
1,2,3-Trichlorobenzene
Concen: 50.885 ug/l
RT: 15.55 min Scan# 2239
Delta R.T. -0.01 min
Lab File: VW012157.D
Acq: 24 Aug 2019 01:51

Tgt Ion:	180	Resp:	136925
Ion Ratio		Lower	Upper
180	100		
182	96.1	47.1	141.3
145	33.0	16.2	48.5

