

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW083119\
 Data File : VW012414.D
 Acq On : 31 Aug 2019 22:01
 Operator : SY/VA
 Sample : VSTDCCC050
 Misc : 5.00G/5ML/MSVOA W/SOIL
 ALS Vial : 31 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

MMDadoda
 9/3/2019 2:42:02 AM

Quant Time: Sep 01 04:53:29 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	209196	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	335303	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	293013	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	138710	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.31	65	129734	52.17	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.34%	
35) Dibromofluoromethane	7.88	113	100797	50.36	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.72%	
50) Toluene-d8	10.32	98	401478	49.47	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.94%	
62) 4-Bromofluorobenzene	12.62	95	141579	49.49	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.98%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.01	85	61327	47.610	ug/l	94
3) Chloromethane	2.20	50	94055	47.130	ug/l	98
4) Vinyl Chloride	2.36	62	116027	47.502	ug/l	99
5) Bromomethane	2.77	94	66426	53.698	ug/l	99
6) Chloroethane	2.92	64	66781	48.466	ug/l	95
7) Trichlorofluoromethane	3.25	101	68313	55.698	ug/l	100
8) Diethyl Ether	3.68	74	59358	50.987	ug/l	95
9) 1,1,2-Trichlorotrifluoroet	4.06	101	105674	50.688	ug/l	98
10) Methyl Iodide	4.26	142	149272	52.919	ug/l	98
11) Tert butyl alcohol	5.26	59	37576	251.082	ug/l #	85
12) 1,1-Dichloroethene	4.03	96	104841	49.964	ug/l	95
13) Acrolein	3.90	56	29293	207.937	ug/l	99
14) Allyl chloride	4.66	41	234594	52.296	ug/l	99
15) Acrylonitrile	5.38	53	149113	258.413	ug/l	99
16) Acetone	4.15	43	133988	210.777	ug/l	94
17) Carbon Disulfide	4.38	76	310345	48.938	ug/l	100
18) Methyl Acetate	4.68	43	83814	53.233	ug/l	99
19) Methyl tert-butyl Ether	5.42	73	195399	57.583	ug/l	98
20) Methylene Chloride	4.91	84	120851	50.289	ug/l	97
21) trans-1,2-Dichloroethene	5.42	96	116290	51.681	ug/l	99
22) Diisopropyl ether	6.31	45	450515	54.180	ug/l	99
23) Vinyl Acetate	6.26	43	1366042	266.949	ug/l	100
24) 1,1-Dichloroethane	6.21	63	237858	52.537	ug/l	99
25) 2-Butanone	7.18	43	204787	237.070	ug/l	99
26) 2,2-Dichloropropane	7.17	77	131848	51.451	ug/l	100
27) cis-1,2-Dichloroethene	7.17	96	126049	52.431	ug/l	98
28) Bromochloromethane	7.51	49	100295	50.827	ug/l	98
29) Tetrahydrofuran	7.54	42	134921	260.336	ug/l	99
30) Chloroform	7.67	83	222896	53.812	ug/l	100
31) Cyclohexane	7.95	56	206695	46.145	ug/l	99
32) 1,1,1-Trichloroethane	7.87	97	179497	54.779	ug/l	100
36) 1,1-Dichloropropene	8.08	75	178052	51.386	ug/l	99
37) Ethyl Acetate	7.26	43	97934	51.578	ug/l	99
38) Carbon Tetrachloride	8.06	117	162940	54.331	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.34	83	190094	48.834	ug/l	97
40) Benzene	8.32	78	489990	51.789	ug/l	100
41) Methacrylonitrile	7.48	41	63616	57.005	ug/l	95
42) 1,2-Dichloroethane	8.40	62	160509	54.130	ug/l	100
43) Isopropyl Acetate	8.43	43	183475	52.167	ug/l	100
44) Trichloroethene	9.09	130	119632	52.014	ug/l	94
45) 1,2-Dichloropropane	9.37	63	133599	52.467	ug/l	99
46) Dibromomethane	9.46	93	59813	52.795	ug/l	98
47) Bromodichloromethane	9.65	83	166371	55.177	ug/l	98
48) Methyl methacrylate	9.44	41	90453	54.036	ug/l	96
49) 1,4-Dioxane	9.50	88	15598	899.332	ug/l #	1
51) 4-Methyl-2-Pentanone	10.21	43	471085	263.338	ug/l	99
52) Toluene	10.38	92	298030	52.435	ug/l	99
53) t-1,3-Dichloropropene	10.60	75	164430	53.536	ug/l	98
54) cis-1,3-Dichloropropene	10.07	75	195363	52.679	ug/l	100
55) 1,1,2-Trichloroethane	10.79	97	86117	53.724	ug/l	100
56) Ethyl methacrylate	10.65	69	125281	53.700	ug/l	98
57) 1,3-Dichloropropane	10.93	76	162296	53.578	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.92	63	308736	257.854	ug/l	100
59) 2-Hexanone	10.97	43	315438	249.208	ug/l	99
60) Dibromochloromethane	11.13	129	98087	54.938	ug/l	99
61) 1,2-Dibromoethane	11.23	107	79856	53.474	ug/l	99
64) Tetrachloroethene	10.86	164	102146	53.770	ug/l	98
65) Chlorobenzene	11.66	112	299674	51.939	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.73	131	108440	53.875	ug/l	100
67) Ethyl Benzene	11.73	91	579548	52.144	ug/l	97
68) m/p-Xylenes	11.84	106	415610	103.812	ug/l	99
69) o-Xylene	12.16	106	193760	52.292	ug/l	99
70) Styrene	12.18	104	339330	52.908	ug/l	98
71) Bromoform	12.35	173	55067	54.911	ug/l #	99
73) Isopropylbenzene	12.46	105	548575	52.779	ug/l	99
74) N-amyl acetate	12.27	43	166177	52.919	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.71	83	98719	51.808	ug/l	99
76) 1,2,3-Trichloropropane	12.77	75	67147m	49.704	ug/l	
77) Bromobenzene	12.75	156	118686	52.783	ug/l	99
78) n-propylbenzene	12.80	91	661663	52.146	ug/l	98
79) 2-Chlorotoluene	12.89	91	380535	52.823	ug/l	100
80) 1,3,5-Trimethylbenzene	12.94	105	464276	53.457	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.51	75	31468	51.072	ug/l	96
82) 4-Chlorotoluene	12.99	91	398559	52.838	ug/l	100
83) tert-Butylbenzene	13.21	119	396781	53.933	ug/l	100
84) 1,2,4-Trimethylbenzene	13.25	105	463164	53.089	ug/l	99
85) sec-Butylbenzene	13.38	105	554288	52.589	ug/l	99
86) p-Isopropyltoluene	13.50	119	498096	52.916	ug/l	100
87) 1,3-Dichlorobenzene	13.50	146	229578	52.199	ug/l	99
88) 1,4-Dichlorobenzene	13.58	146	225695	51.682	ug/l	99
89) n-Butylbenzene	13.82	91	484729	51.784	ug/l	100
90) Hexachloroethane	14.09	117	89588	54.248	ug/l	97
91) 1,2-Dichlorobenzene	13.87	146	205855	53.354	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.48	75	17421	54.232	ug/l	95

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.13	180	140456	52.678	ug/l	99
94) Hexachlorobutadiene	15.24	225	94018	53.402	ug/l	99
95) Naphthalene	15.36	128	263066	50.255	ug/l	100
96) 1,2,3-Trichlorobenzene	15.55	180	127463	54.792	ug/l	99

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

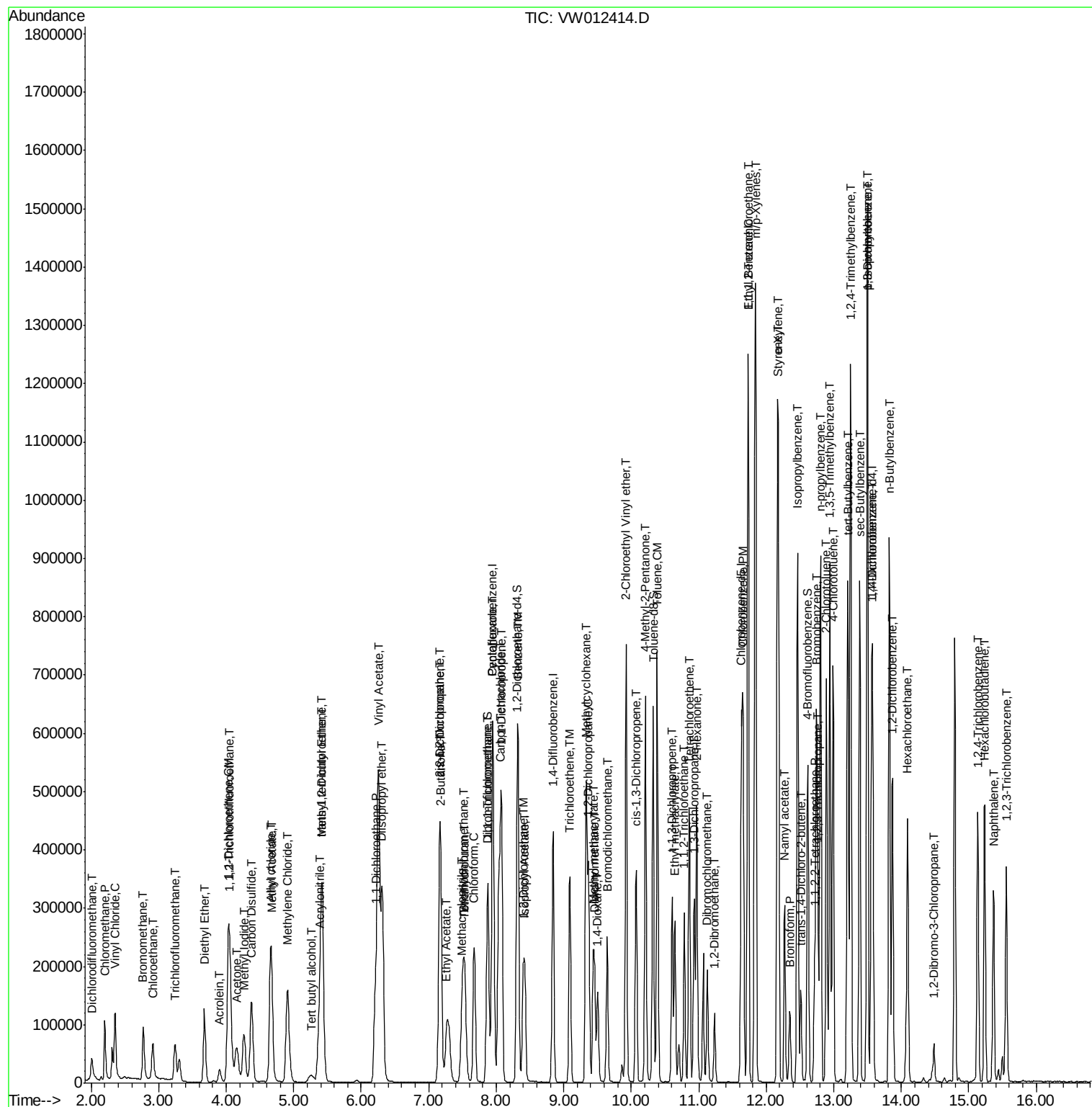
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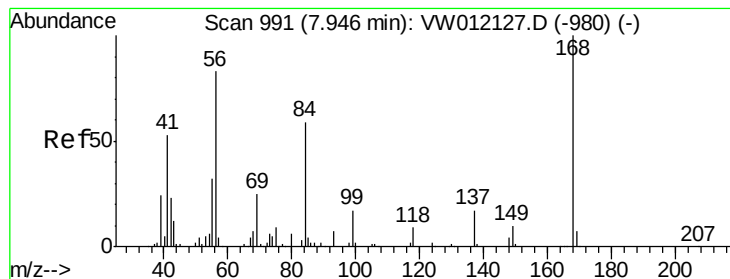
Instrument :
 MSVOA_W
 Client Sampled :
 VSTDCCC050

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.00 min

Lab File: VW012414.D

Acq: 31 Aug 2019 22:01

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

Tot Ion:168 Resp: 209196

Ion Ratio Lower Upper

168 100

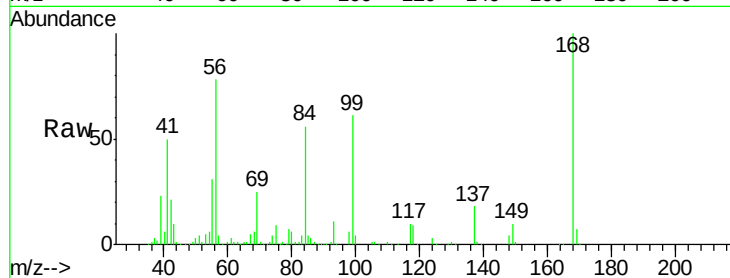
99 61.3 49.2 73.8

Manual Integrations

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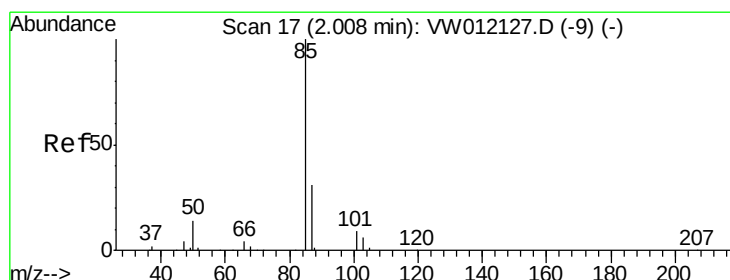
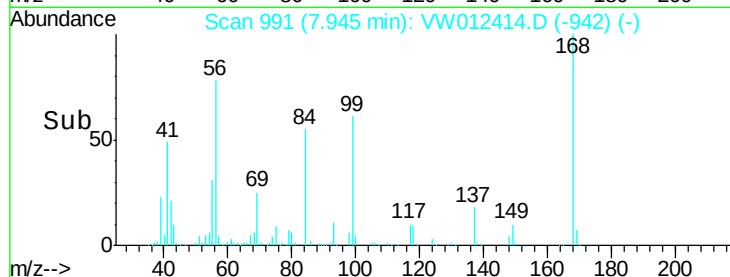
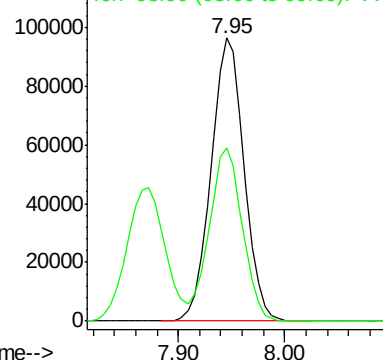
MMDadoda

9/3/2019 2:42:02 AM



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW



#2

Dichlorodifluoromethane

Concen: 47.610 ug/l

RT: 2.01 min Scan# 17

Delta R.T. -0.00 min

Lab File: VW012414.D

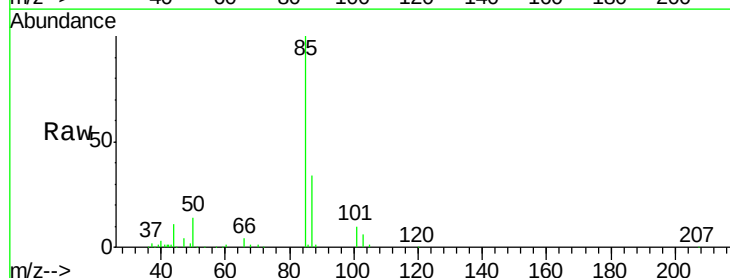
Acq: 31 Aug 2019 22:01

Tgt Ion: 85 Resp: 61327

Ion Ratio Lower Upper

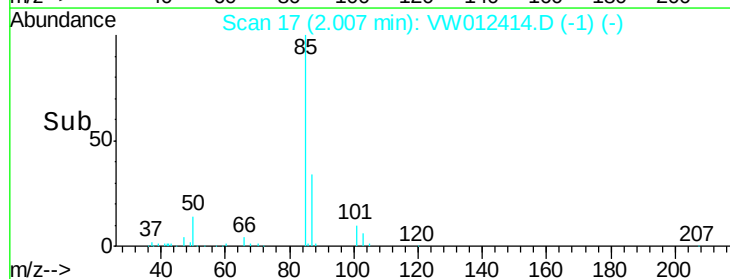
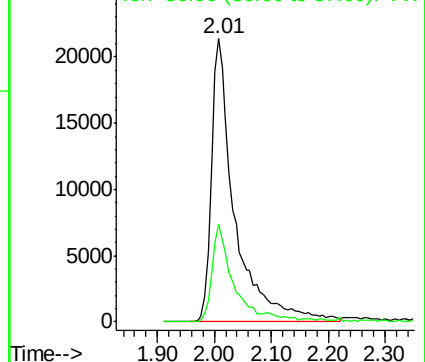
85 100

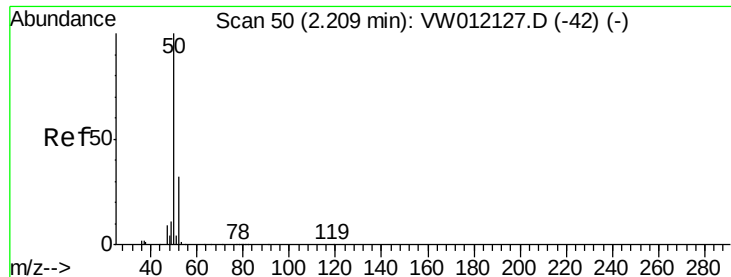
87 34.3 15.6 46.8



Abundance Ion 84.90 (84.60 to 85.60): VW

Ion 86.90 (86.60 to 87.60): VW





#3

Chloromethane

Concen: 47.130 ug/l

RT: 2.20 min Scan# 49

Delta R.T. -0.01 min

Lab File: VW012414.D

Acq: 31 Aug 2019 22:01

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

Tot Ion: 50 Resp: 94055

Ion Ratio Lower Upper

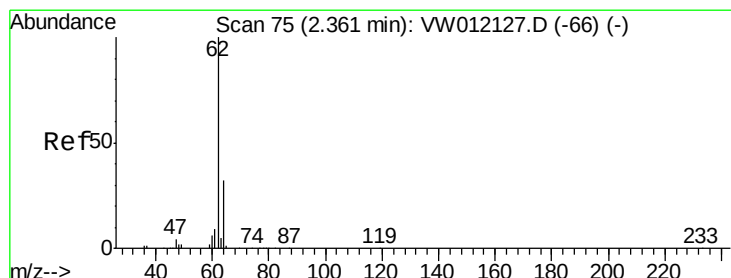
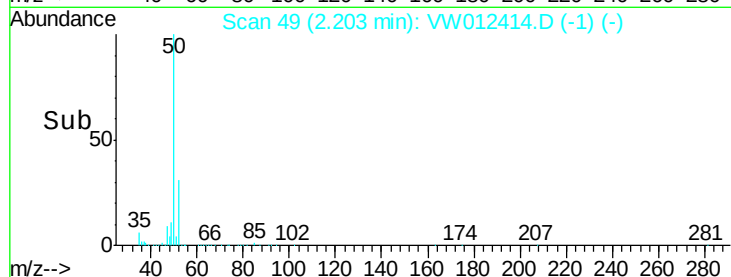
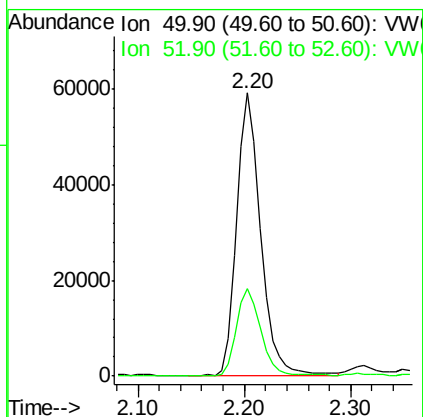
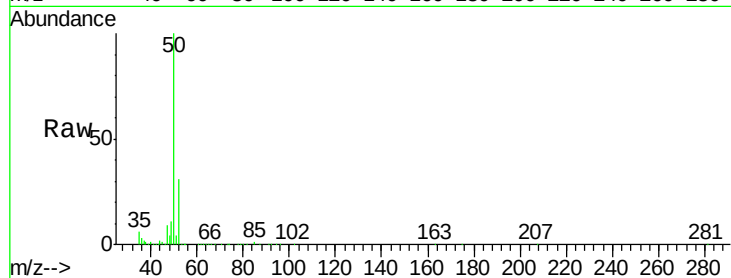
50 100

52 30.9 25.5 38.3

Manual Integrations
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#4

Vinyl Chloride

Concen: 47.502 ug/l

RT: 2.36 min Scan# 74

Delta R.T. -0.01 min

Lab File: VW012414.D

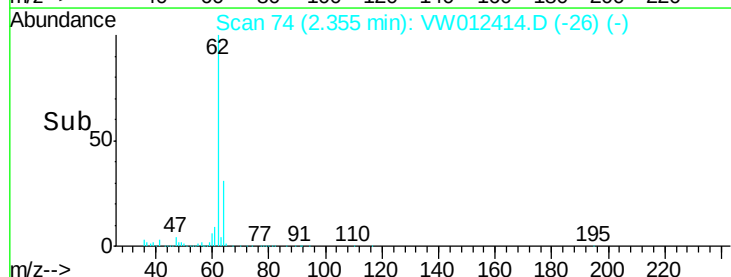
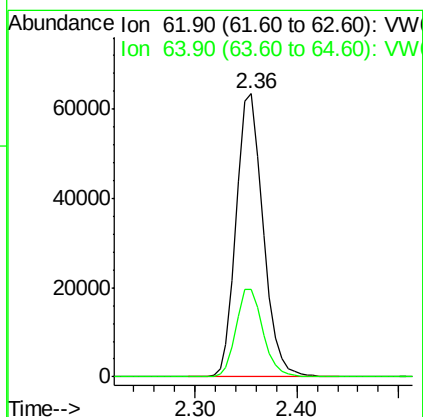
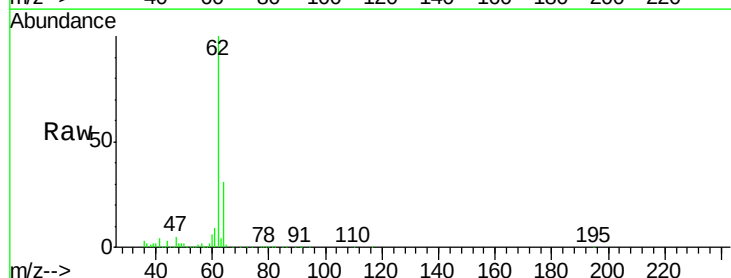
Acq: 31 Aug 2019 22:01

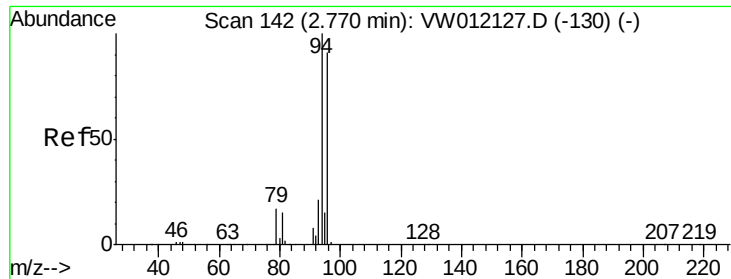
Tgt Ion: 62 Resp: 116027

Ion Ratio Lower Upper

62 100

64 30.8 25.3 37.9





#5

Bromomethane

Concen: 53.698 ug/l

RT: 2.77 min Scan# 142

Delta R.T. -0.00 min

Lab File: VW012414.D

Acq: 31 Aug 2019 22:01

Instrument :

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ClientSampleId :

VSTDCCC050

Tot Ion: 94 Resp: 66426

Ion Ratio Lower Upper

94 100

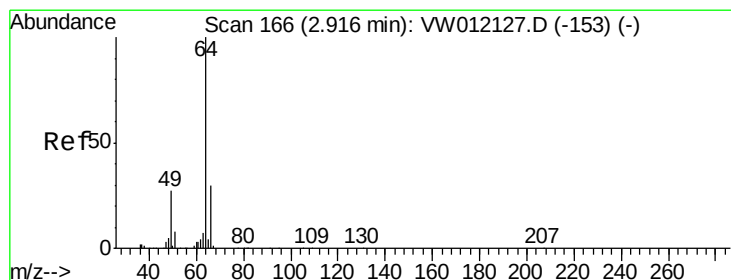
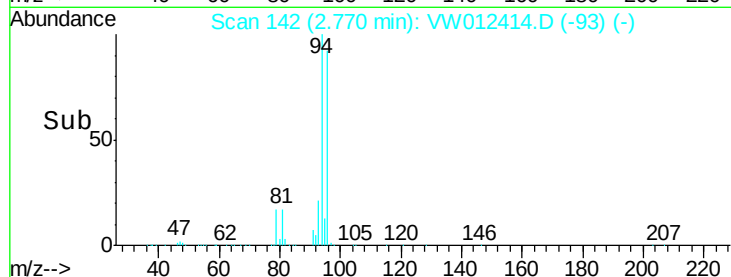
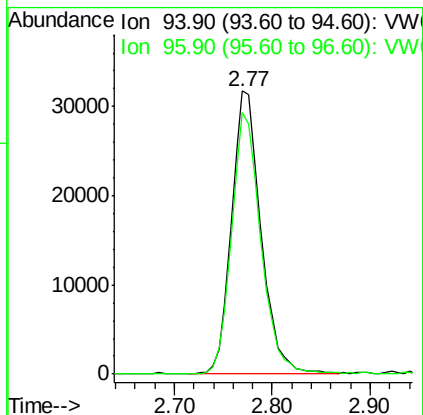
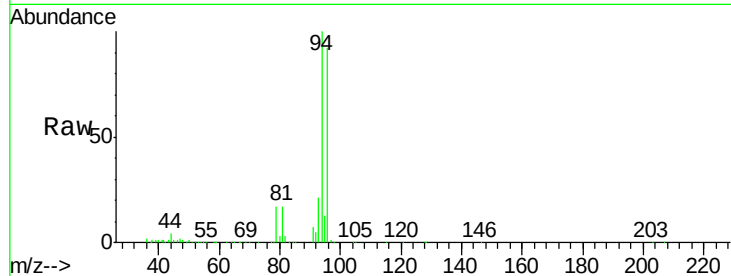
96 92.1 72.9 109.3

Manual Integrations

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#6

Chloroethane

Concen: 48.466 ug/l

RT: 2.92 min Scan# 166

Delta R.T. -0.00 min

Lab File: VW012414.D

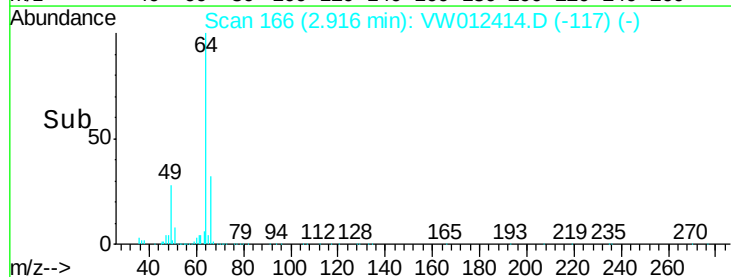
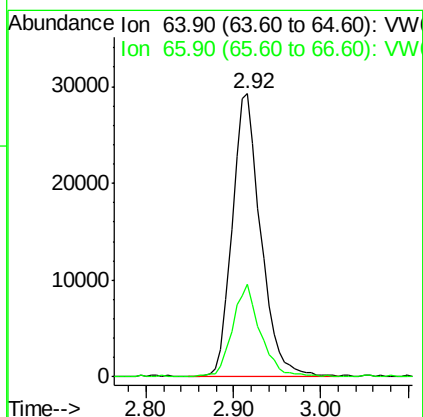
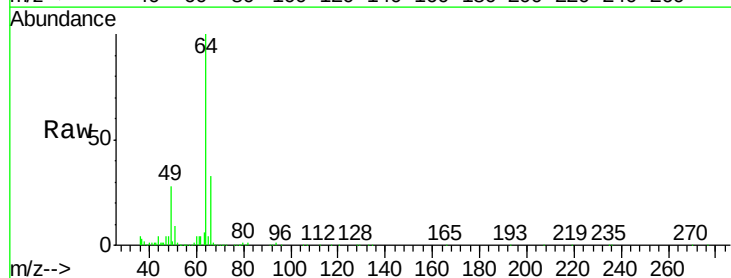
Acq: 31 Aug 2019 22:01

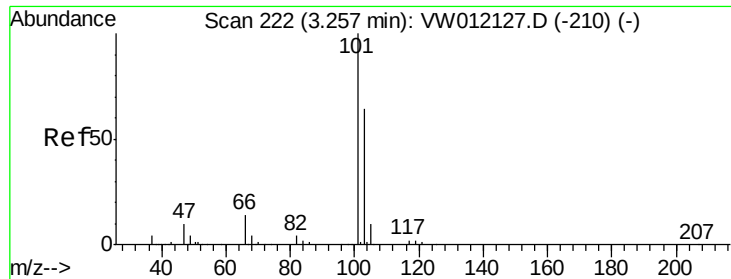
Tgt Ion: 64 Resp: 66781

Ion Ratio Lower Upper

64 100

66 32.8 23.8 35.8





#7

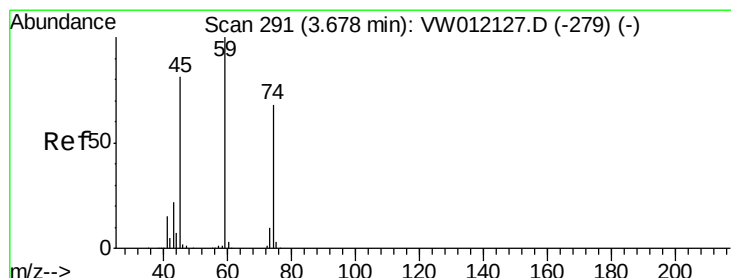
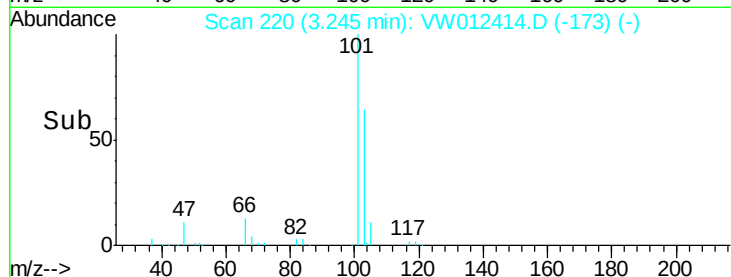
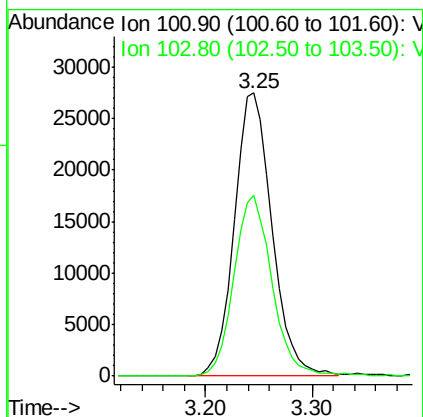
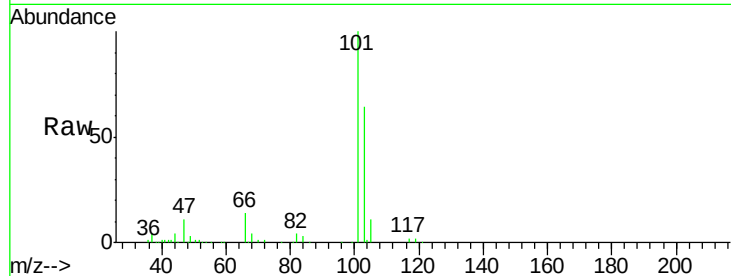
Trichlorofluoromethane
Concen: 55.698 ug/l
RT: 3.25 min Scan# 220
Delta R.T. -0.01 min
Lab File: VW012414.D
Acq: 31 Aug 2019 22:01

Instrument :
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Tot Ion	Ratio	Resp	Lower	Upper
101	100	68313		
103	63.9	51.2	76.8	

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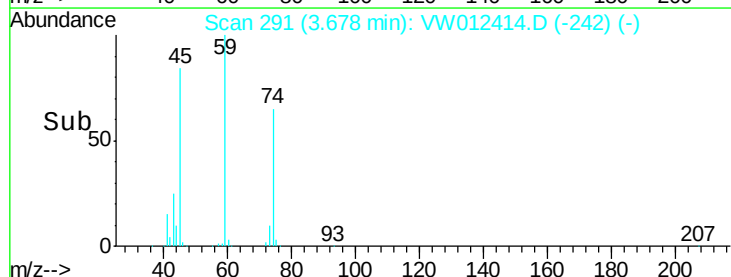
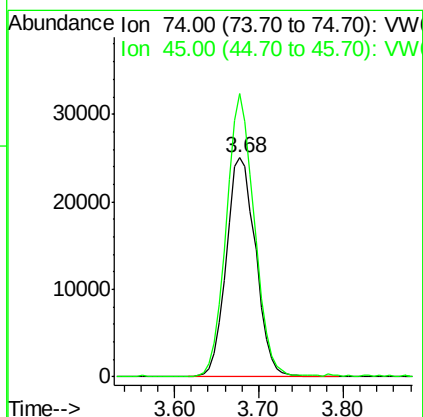
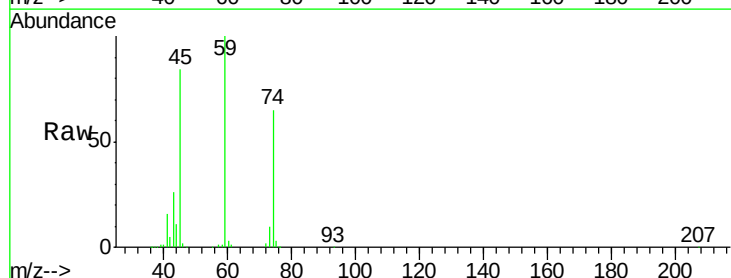
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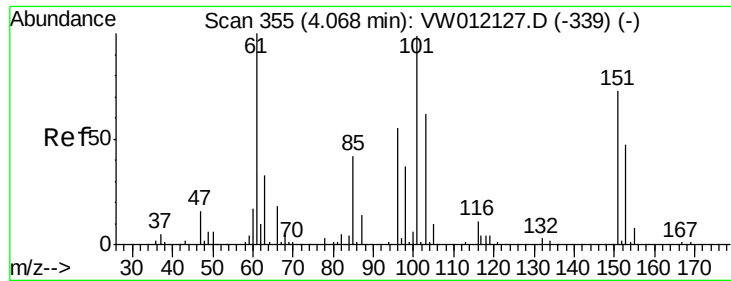


#8

Diethyl Ether
Concen: 50.987 ug/l
RT: 3.68 min Scan# 291
Delta R.T. -0.00 min
Lab File: VW012414.D
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Tgt Ion	Ratio	Resp	Lower	Upper
74	100	59358		
45	123.9	59.2	177.6	





#9

1,1,2-Trichlorotrifluoroethane

Concen: 50.688 ug/l

RT: 4.06 min Scan# 353

Delta R.T. -0.01 min

Lab File: VW012414.D

Acq: 31 Aug 2019 22:01

Instrument :

MSVOA_W

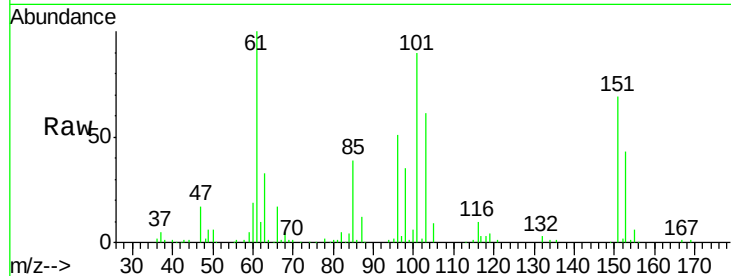
ClientSampleId :

VSTDCCC050

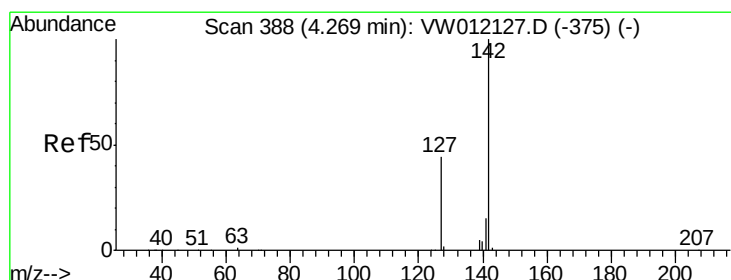
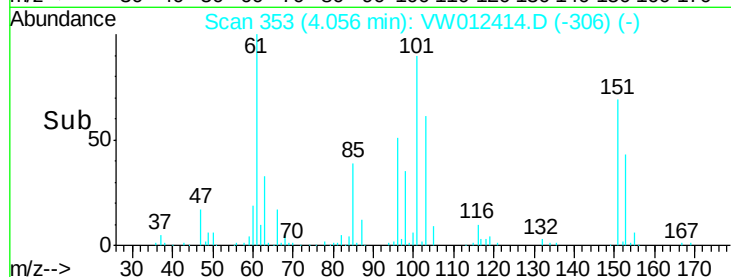
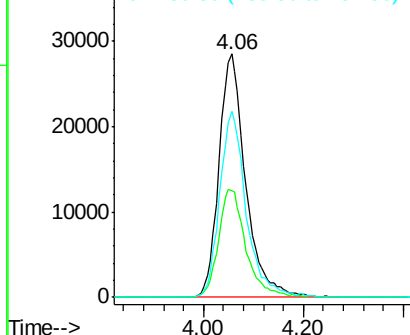
Tot Ion:	101	Resp:	105674
Ion Ratio	Lower	Upper	
101	100		
85	45.3	35.8	53.6
151	75.8	58.6	87.8

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Abundance Ion 100.90 (100.60 to 101.60): V
Ion 84.90 (84.60 to 85.60): V
Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 52.919 ug/l

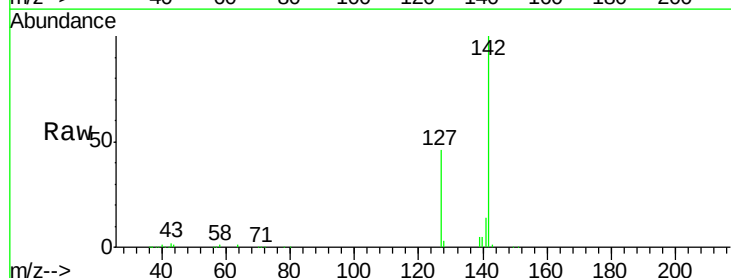
RT: 4.26 min Scan# 387

Delta R.T. -0.01 min

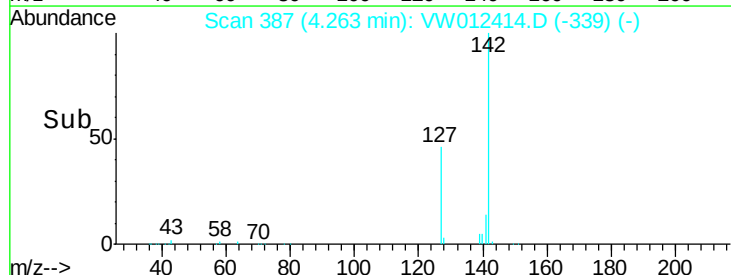
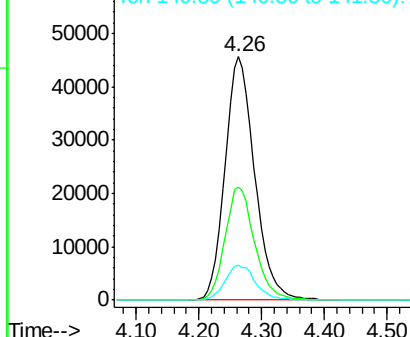
Lab File: VW012414.D

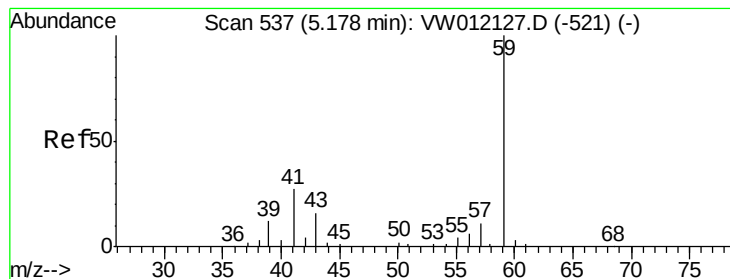
Acq: 31 Aug 2019 22:01

Tgt Ion:	142	Resp:	149272
Ion Ratio	Lower	Upper	
142	100		
127	46.1	35.5	53.3
141	14.8	11.8	17.8



Abundance Ion 141.80 (141.50 to 142.50): V
Ion 126.80 (126.50 to 127.50): V
Ion 140.80 (140.50 to 141.50): V





#11

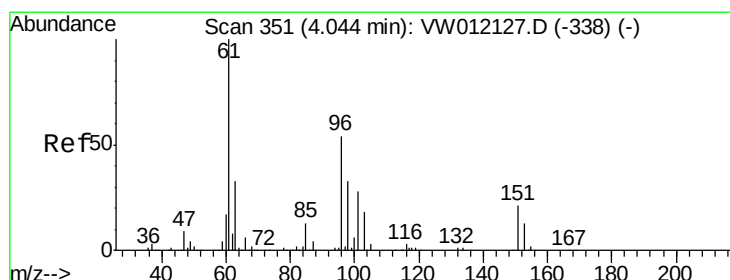
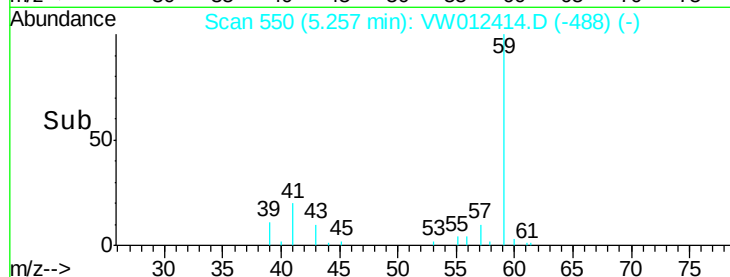
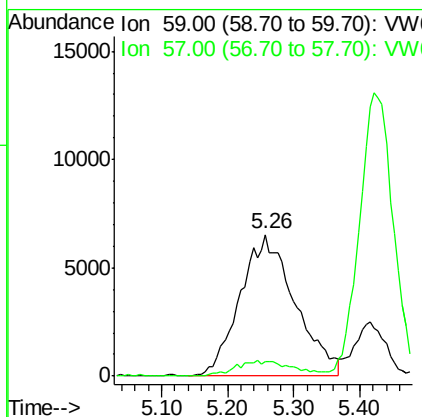
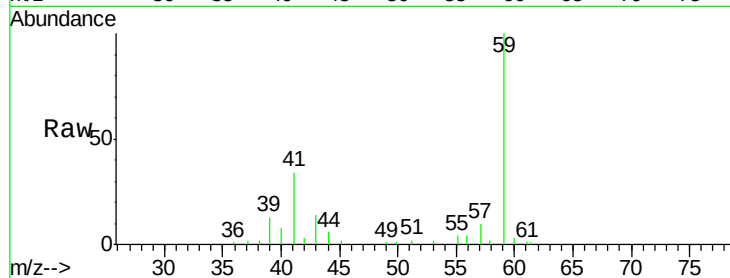
Tert butyl alcohol
Concen: 251.082 ug/l
RT: 5.26 min Scan# 550
Delta R.T. 0.08 min
Lab File: VW012414.D
Acq: 31 Aug 2019 22:01

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
59	100	37576		
57	5.3	9.0	13.4#	

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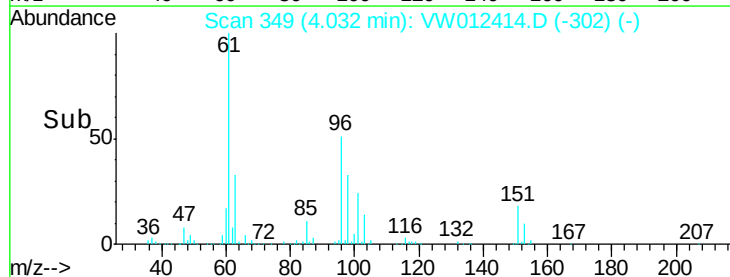
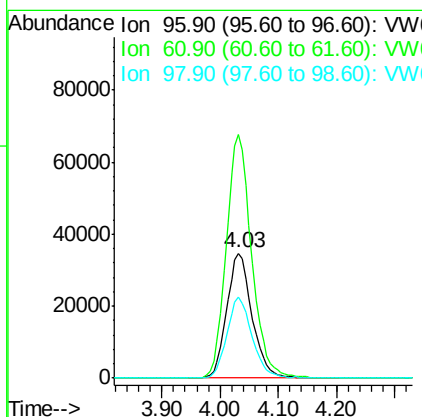
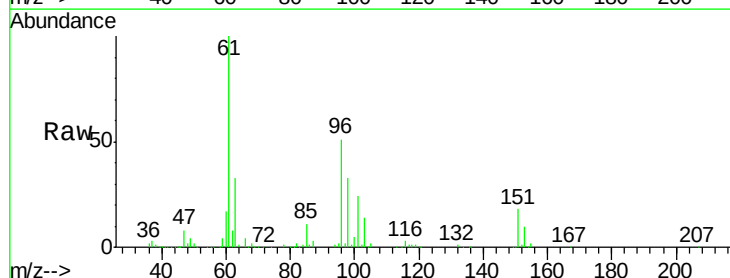
MMDadoda
9/3/2019 2:42:02 AM

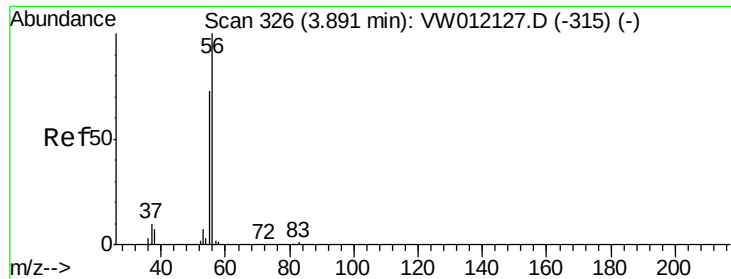


#12

1,1-Dichloroethene
Concen: 49.964 ug/l
RT: 4.03 min Scan# 349
Delta R.T. -0.01 min
Lab File: VW012414.D
Acq: 31 Aug 2019 22:01

Tgt Ion	Ratio	Resp	Lower	Upper
96	100	104841		
61	195.0	149.1	223.7	
98	64.4	49.4	74.2	





#13

Acrolein

Concen: 207.937 ug/l

RT: 3.90 min Scan# 328

Delta R.T. 0.01 min

Lab File: VW012414.D

Acq: 31 Aug 2019 22:01

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

Tot Ion: 56 Resp: 29293

Ion Ratio Lower Upper

56 100

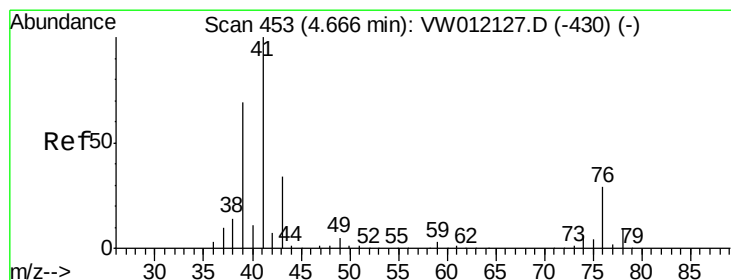
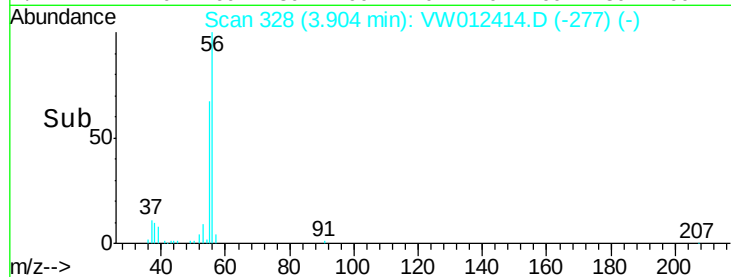
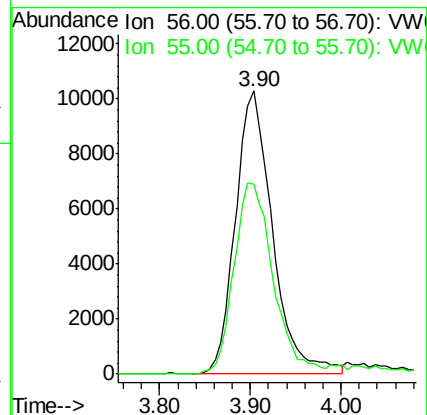
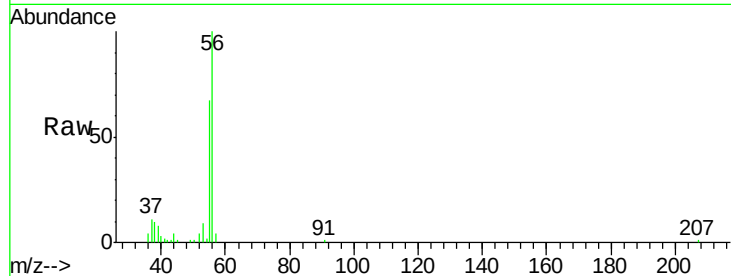
55 71.0 55.8 83.8

Manual Integrations

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#14

Allyl chloride

Concen: 52.296 ug/l

RT: 4.66 min Scan# 452

Delta R.T. -0.01 min

Lab File: VW012414.D

Acq: 31 Aug 2019 22:01

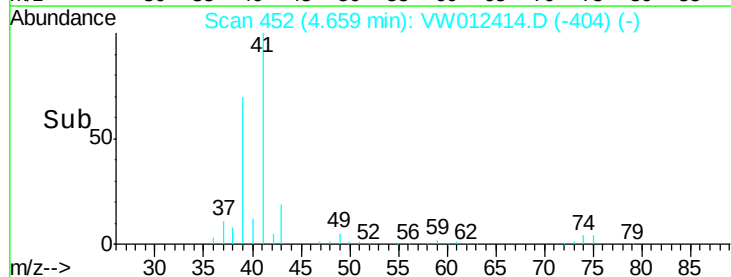
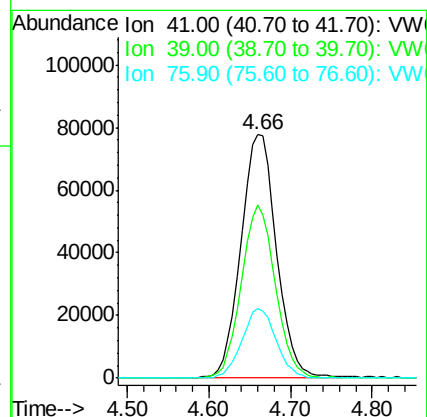
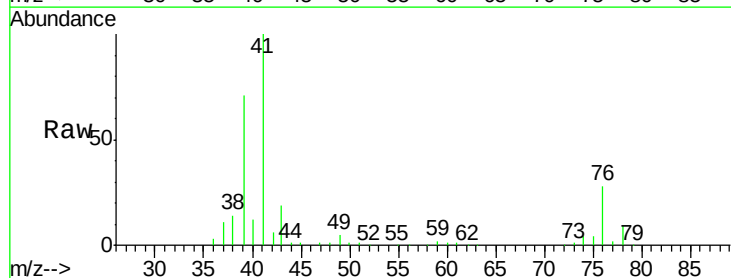
Tgt Ion: 41 Resp: 234594

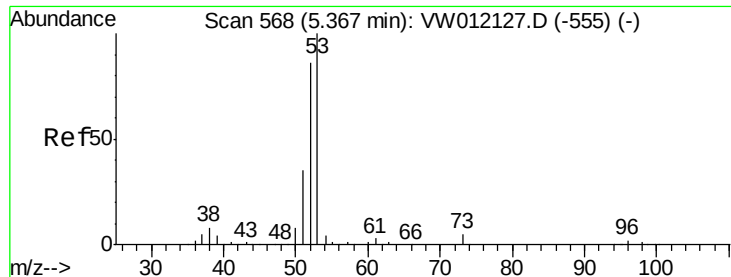
Ion Ratio Lower Upper

41 100

39 67.5 53.4 80.2

76 27.6 22.1 33.1





#15

Acrylonitrile

Concen: 258.413 ug/l

RT: 5.38 min Scan# 570

Delta R.T. 0.01 min

Lab File: VW012414.D

Acq: 31 Aug 2019 22:01

Instrument :

MSVOA_W

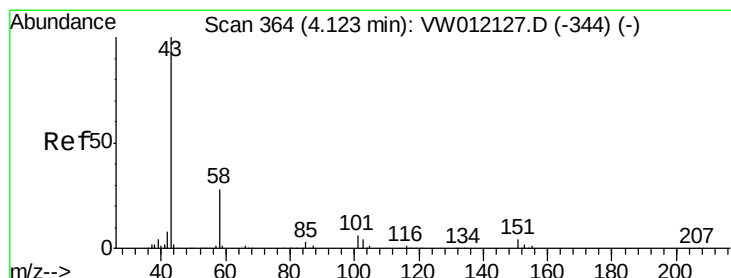
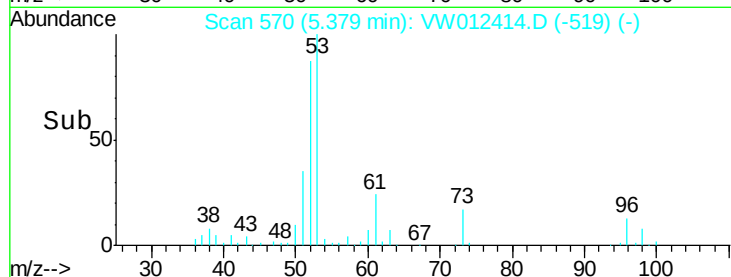
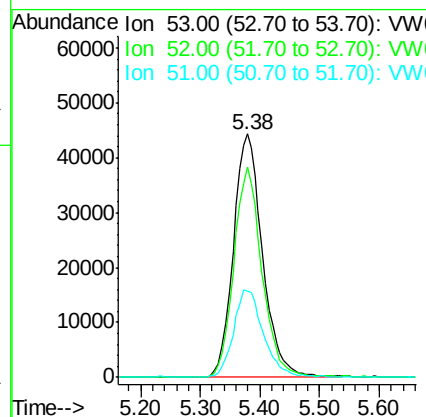
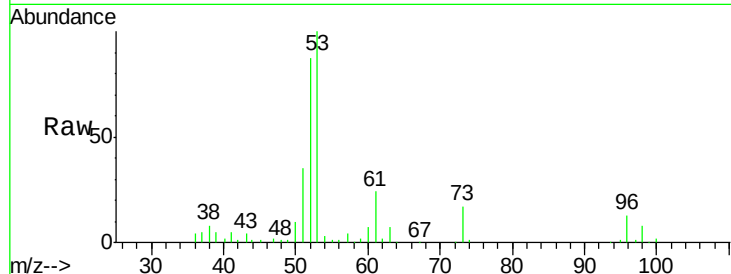
ClientSampleId :

VSTDCCC050

Tot Ion:	53	Resp:	149113
Ion	Ratio	Lower	Upper
53	100		
52	83.9	66.7	100.1
51	36.7	30.1	45.1

Manual Integrations
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#16

Acetone

Concen: 210.777 ug/l

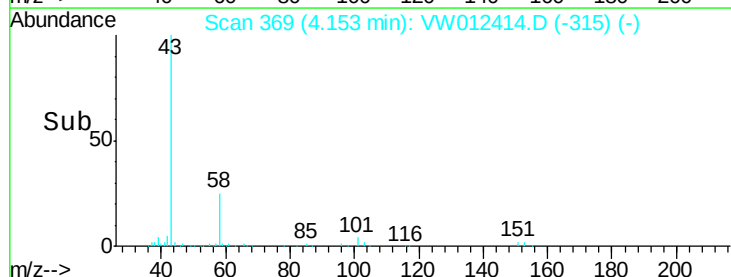
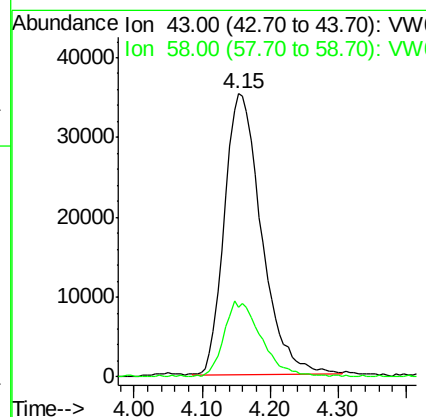
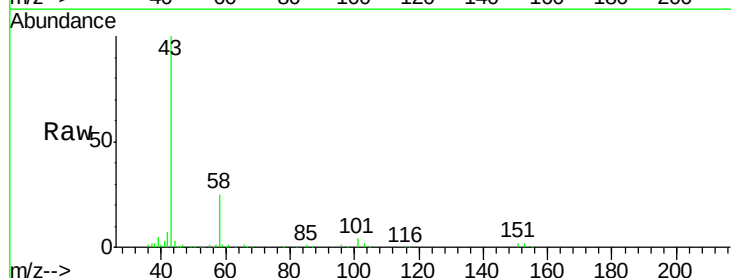
RT: 4.15 min Scan# 369

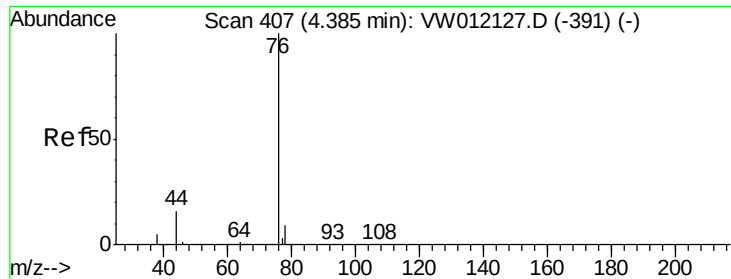
Delta R.T. 0.03 min

Lab File: VW012414.D

Acq: 31 Aug 2019 22:01

Tgt Ion:	43	Resp:	133988
Ion	Ratio	Lower	Upper
43	100		
58	24.7	22.4	33.6





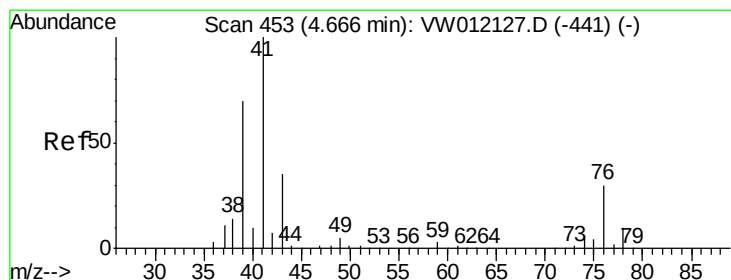
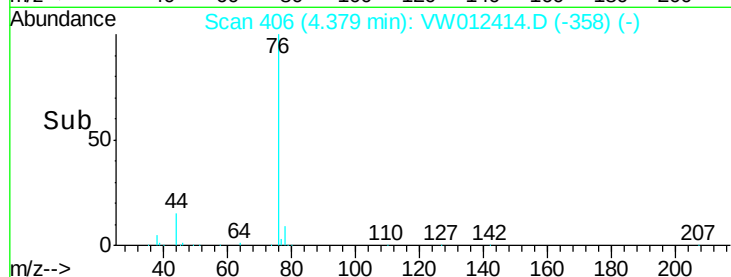
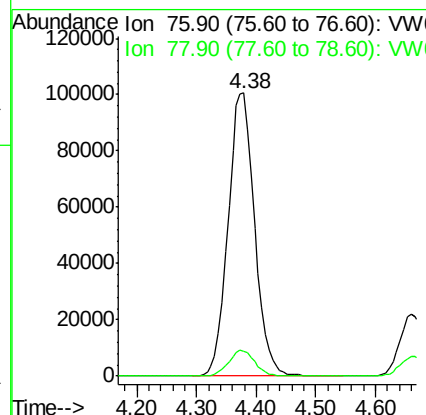
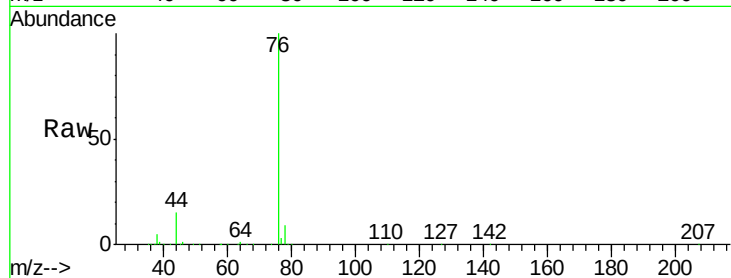
#17
Carbon Disulfide
Concen: 48.938 ug/l
RT: 4.38 min Scan# 406
Delta R.T. -0.01 min
Lab File: VW012414.D
Acq: 31 Aug 2019 22:01

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion	Ion	Ratio	Lower	Upper
76	100			
78	9.0	7.3	10.9	

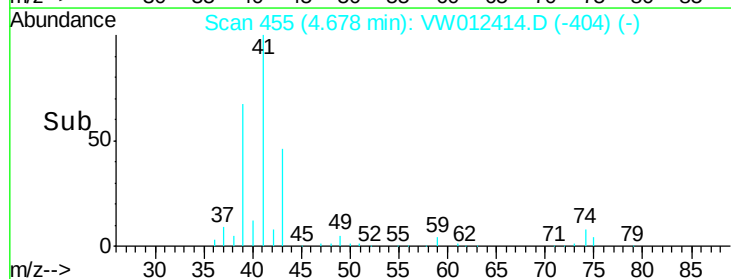
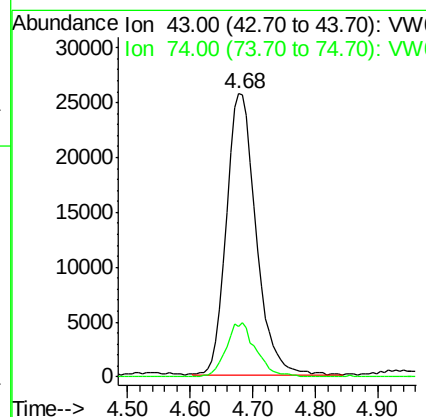
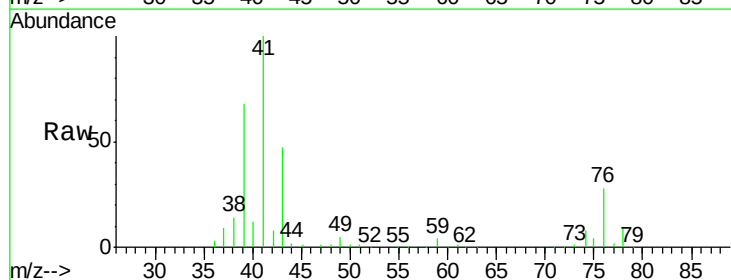
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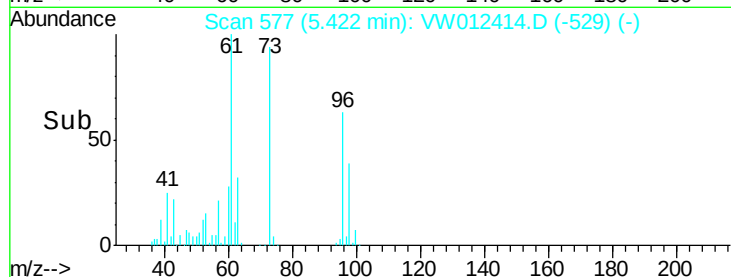
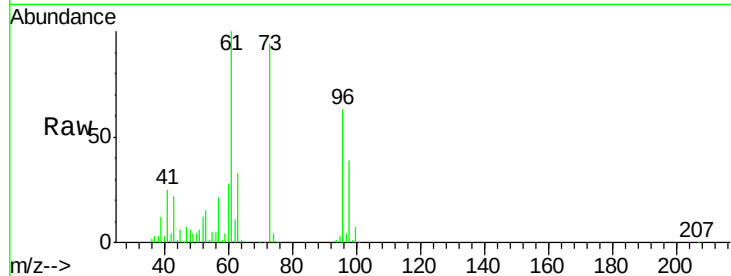
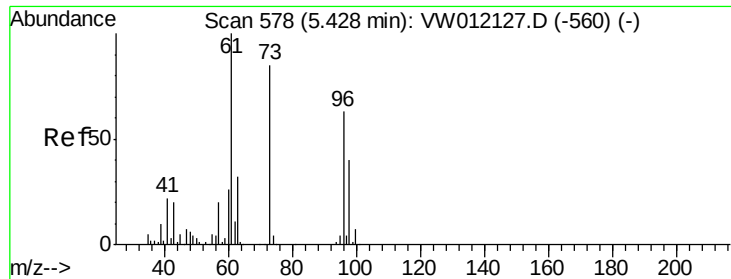
MMDadoda
9/3/2019 2:42:02 AM



#18
Methyl Acetate
Concen: 53.233 ug/l
RT: 4.68 min Scan# 455
Delta R.T. 0.01 min
Lab File: VW012414.D
Acq: 31 Aug 2019 22:01

Tgt Ion	Ion	Ratio	Lower	Upper
43	100			
74	19.3	15.7	23.5	





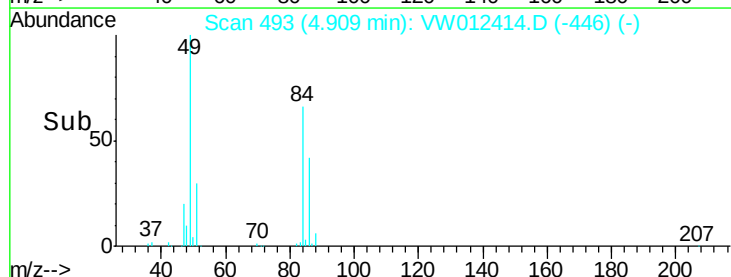
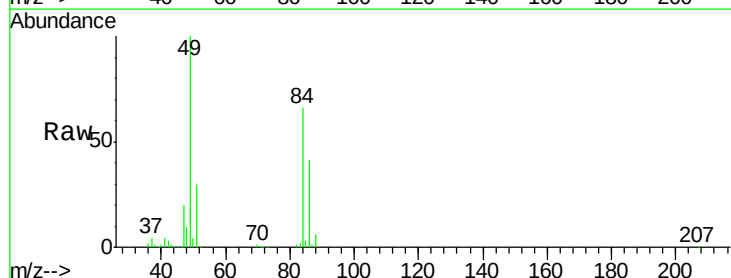
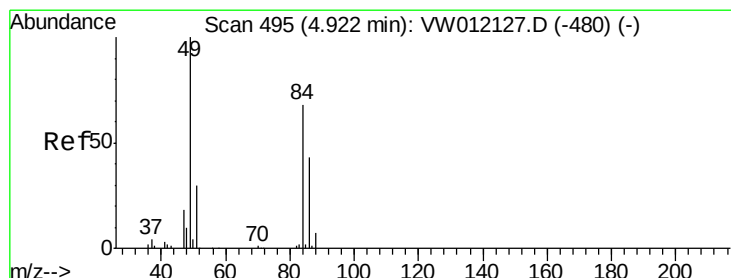
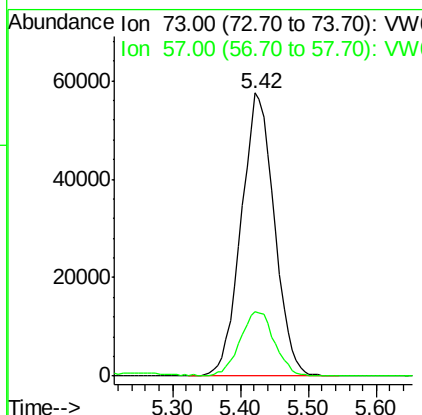
#19
Methyl tert-butyl Ether
Concen: 57.583 ug/l
RT: 5.42 min Scan# 577
Delta R.T. -0.01 min
Lab File: VW012414.D
Acq: 31 Aug 2019 22:01

Tot Ion	Ratio	Lower	Upper
73	100		
57	22.7	18.9	28.3

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

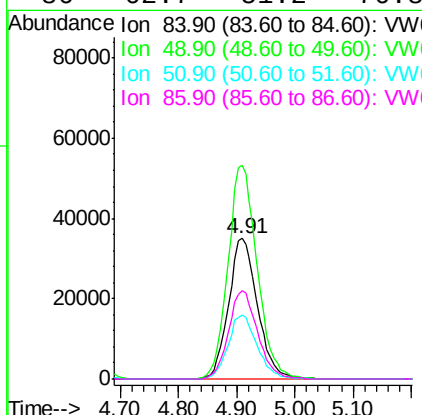
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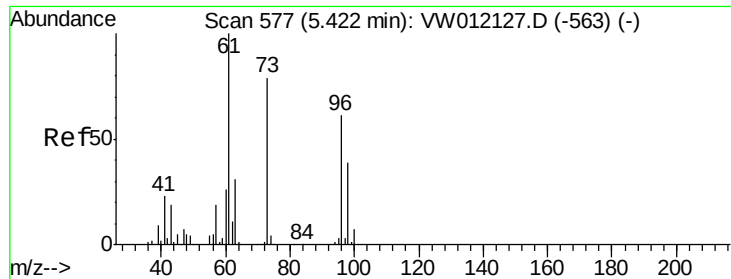
MMDadoda
9/3/2019 2:42:02 AM



#20
Methylene Chloride
Concen: 50.289 ug/l
RT: 4.91 min Scan# 493
Delta R.T. -0.01 min
Lab File: VW012414.D
Acq: 31 Aug 2019 22:01

Tgt Ion	Ratio	Lower	Upper
84	100		
49	152.0	117.8	176.8
51	45.7	35.6	53.4
86	62.7	51.2	76.8





#21

trans-1,2-Dichloroethene

Concen: 51.681 ug/l

RT: 5.42 min Scan# 576

Delta R.T. -0.01 min

Lab File: VW012414.D

Acq: 31 Aug 2019 22:01

Instrument :

MSVOA_W

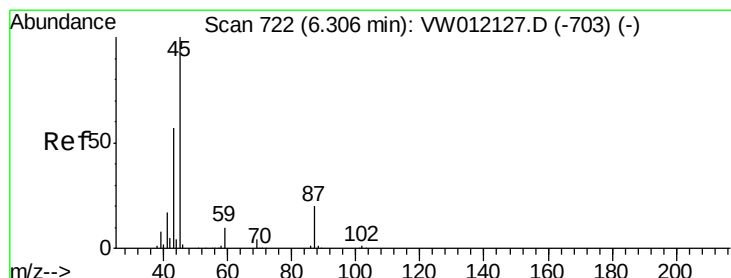
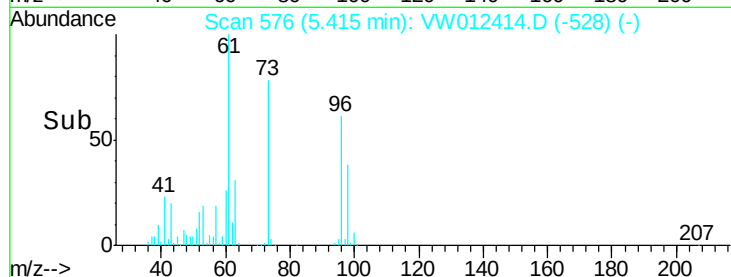
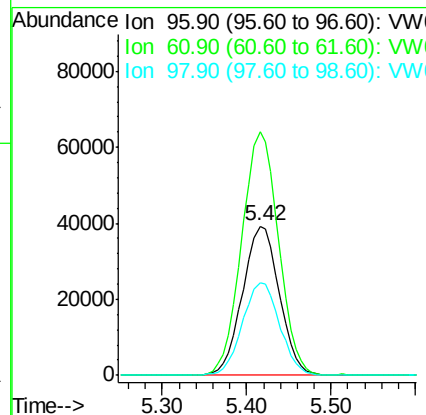
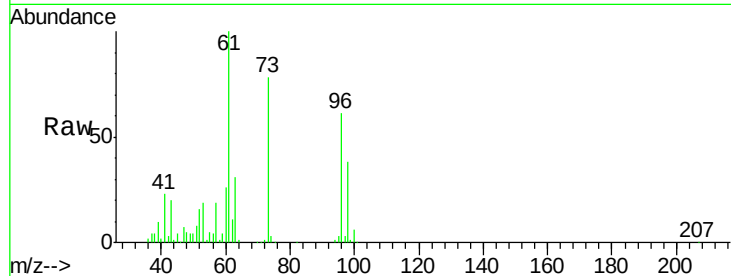
ClientSampleId :

VSTDCCC050

Tot Ion:	96	Resp:	116290
Ion	Ratio	Lower	Upper
96	100		
61	163.1	131.4	197.0
98	62.1	51.4	77.0

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#22

Diisopropyl ether

Concen: 54.180 ug/l

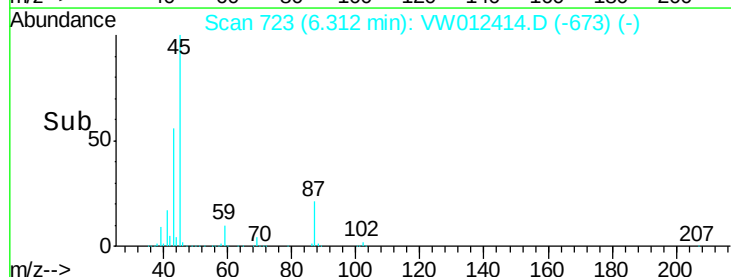
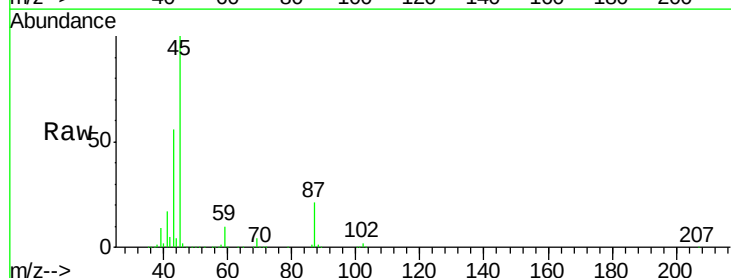
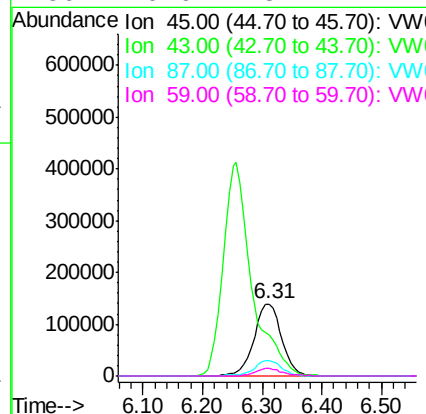
RT: 6.31 min Scan# 723

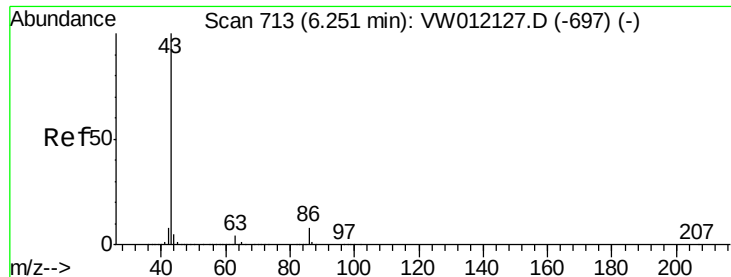
Delta R.T. 0.01 min

Lab File: VW012414.D

Acq: 31 Aug 2019 22:01

Tgt Ion:	45	Resp:	450515
Ion	Ratio	Lower	Upper
45	100		
43	55.8	45.5	68.3
87	21.0	16.1	24.1
59	9.9	8.2	12.2





#23

Vinyl Acetate

Concen: 266.949 ug/l

RT: 6.26 min Scan# 714

Delta R.T. 0.01 min

Lab File: VW012414.D

Acq: 31 Aug 2019 22:01

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 1366042

Ion Ratio Lower Upper

43 100

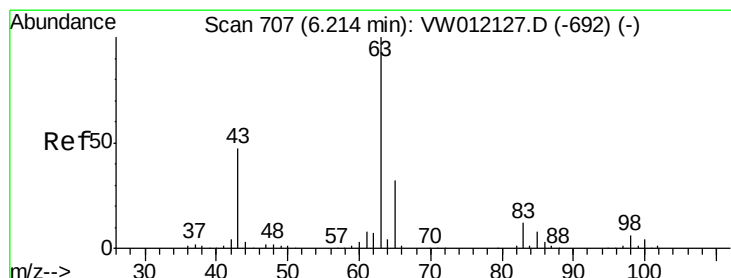
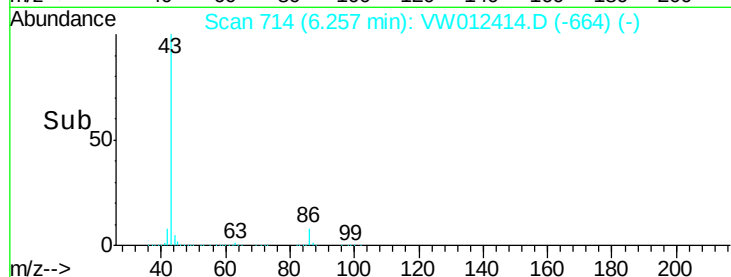
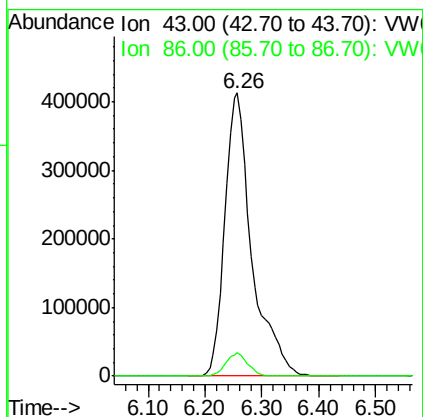
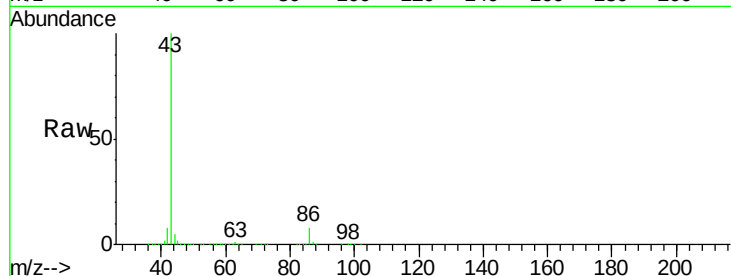
86 8.1 6.5 9.7

Manual Integrations

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#24

1,1-Dichloroethane

Concen: 52.537 ug/l

RT: 6.21 min Scan# 707

Delta R.T. -0.00 min

Lab File: VW012414.D

Acq: 31 Aug 2019 22:01

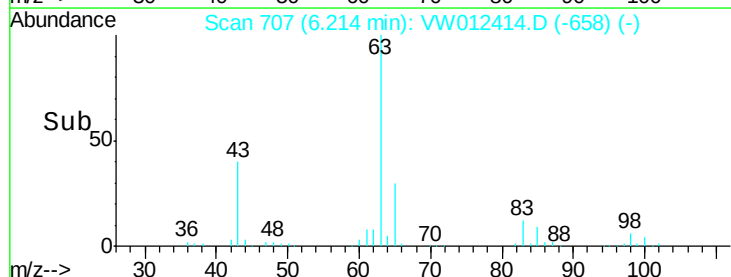
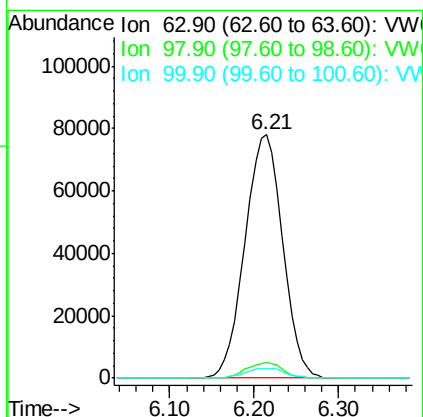
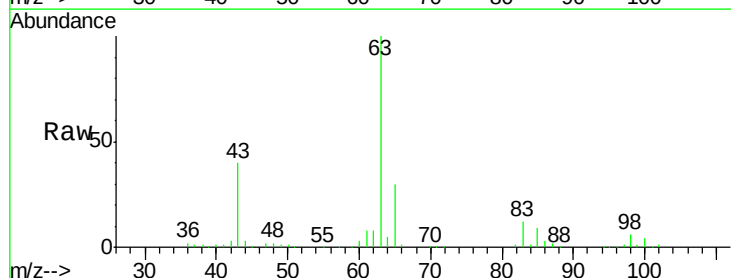
Tgt Ion: 63 Resp: 237858

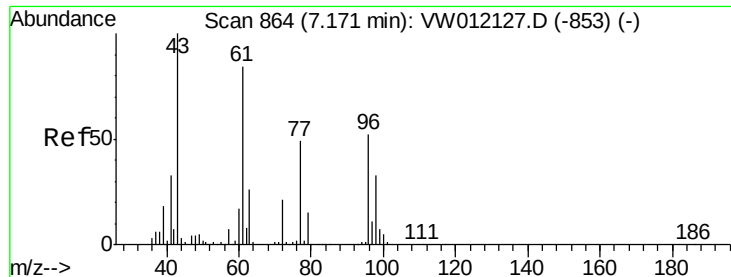
Ion Ratio Lower Upper

63 100

98 6.4 3.0 9.2

100 3.9 2.0 6.0





#25

2-Butanone

Concen: 237.070 ug/l

RT: 7.18 min Scan# 866

Delta R.T. 0.01 min

Lab File: VW012414.D

Acq: 31 Aug 2019 22:01

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 204787

Ion Ratio Lower Upper

43 100

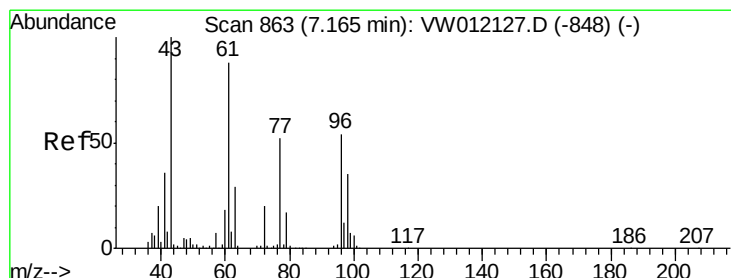
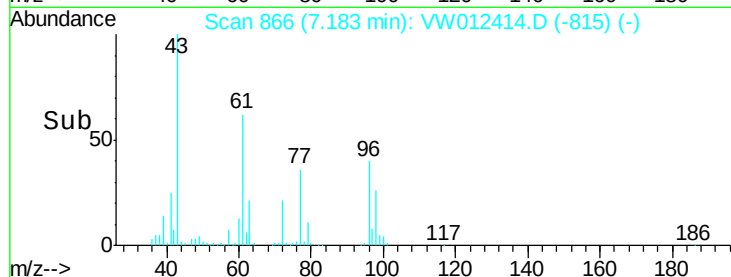
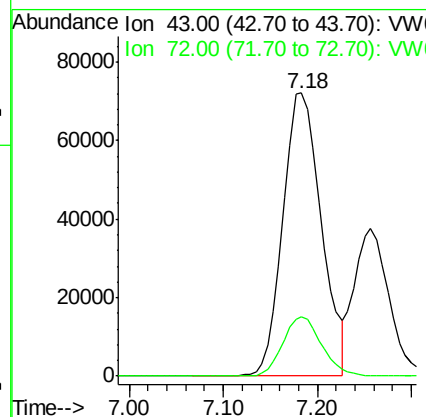
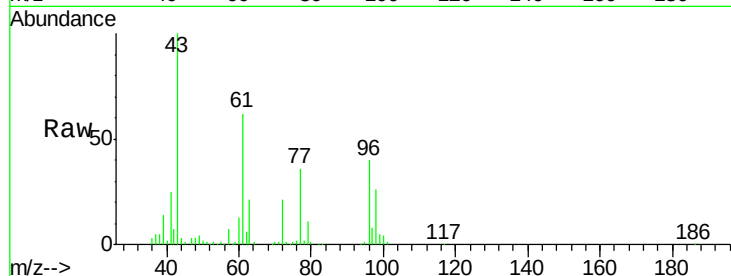
72 21.0 16.6 24.8

Manual Integrations

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MMDadoda

9/3/2019 2:42:02 AM



#26

2,2-Dichloropropane

Concen: 51.451 ug/l

RT: 7.17 min Scan# 863

Delta R.T. -0.00 min

Lab File: VW012414.D

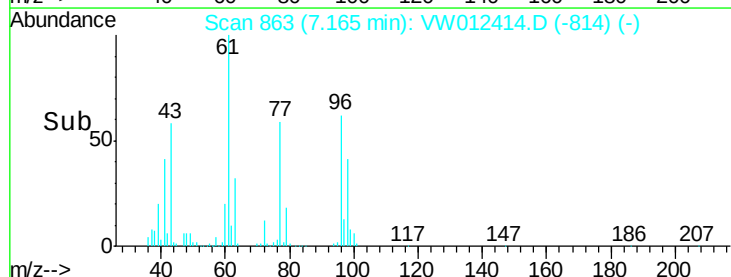
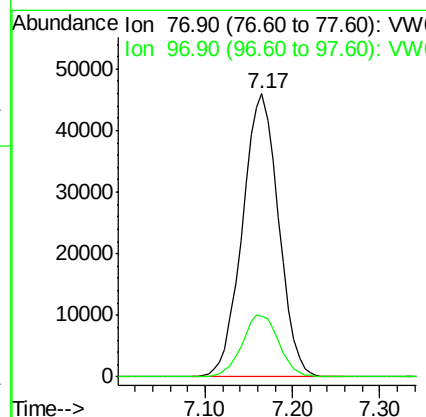
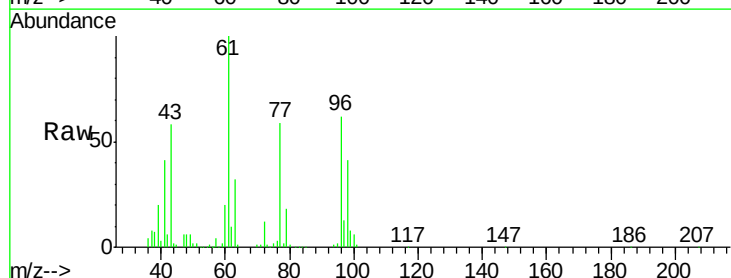
Acq: 31 Aug 2019 22:01

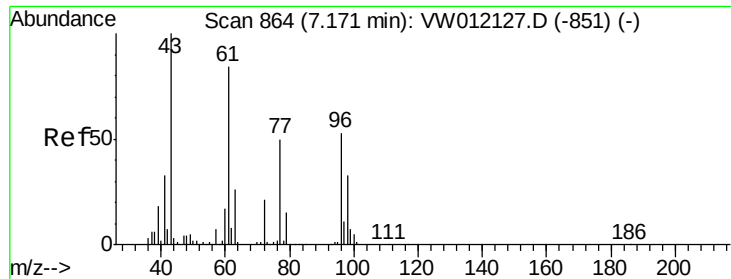
Tgt Ion: 77 Resp: 131848

Ion Ratio Lower Upper

77 100

97 22.1 11.1 33.1





#27

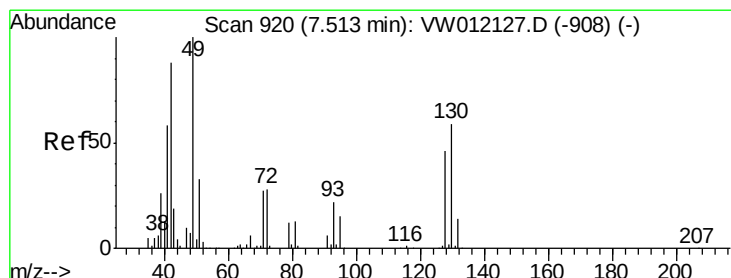
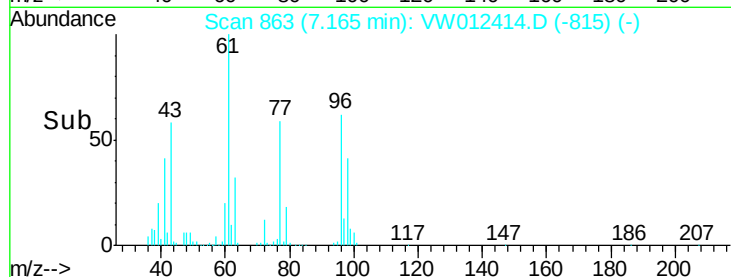
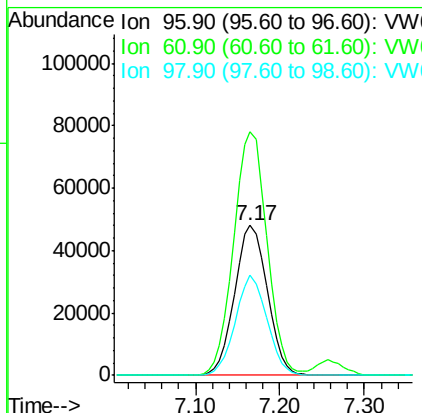
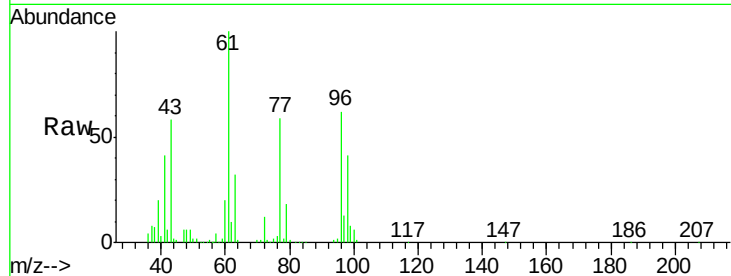
cis-1,2-Dichloroethene
 Concen: 52.431 ug/l
 RT: 7.17 min Scan# 863
 Delta R.T. -0.01 min
 Lab File: VW012414.D
 Acq: 31 Aug 2019 22:01

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
96	100	126049		
61	165.6	0.0	326.6	
98	64.7	0.0	127.4	

Manual Integrations
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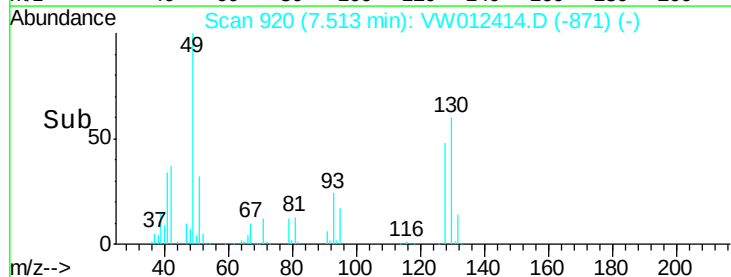
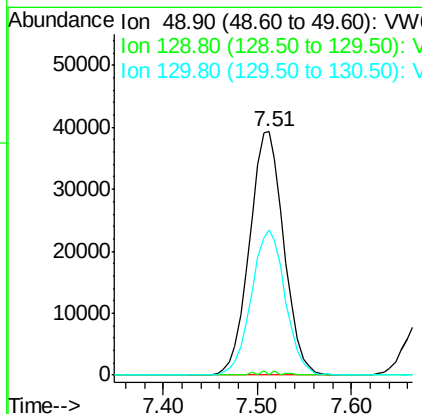
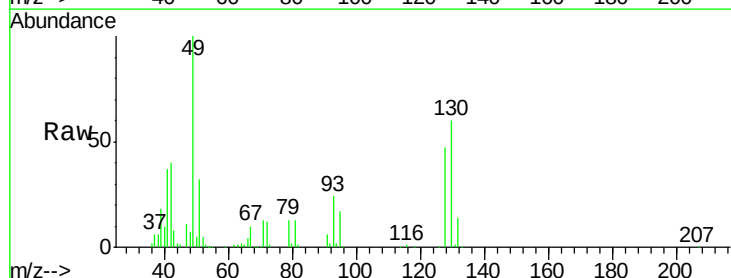
MMDadoda
 9/3/2019 2:42:02 AM

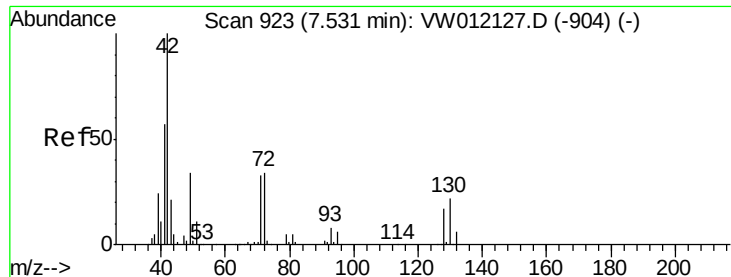


#28

Bromochloromethane
 Concen: 50.827 ug/l
 RT: 7.51 min Scan# 920
 Delta R.T. -0.00 min
 Lab File: VW012414.D
 Acq: 31 Aug 2019 22:01

Tgt Ion	Ratio	Resp	Lower	Upper
49	100	100295		
129	0.3	0.0	1.4	
130	58.7	45.5	68.3	





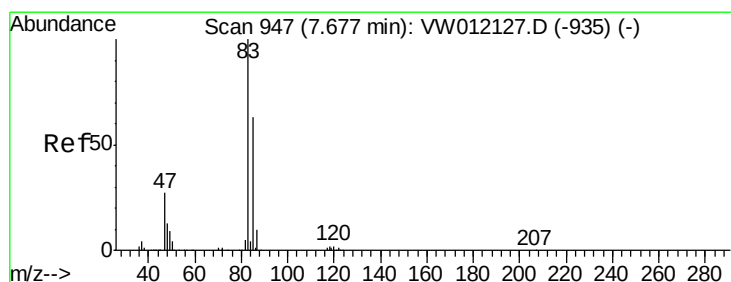
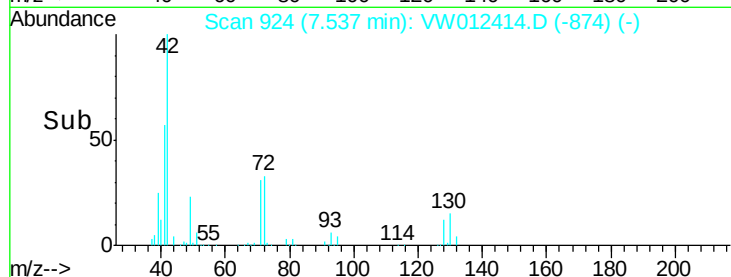
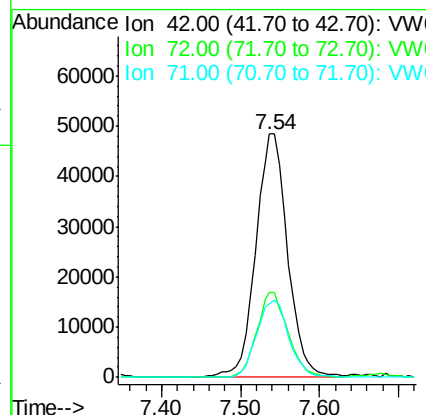
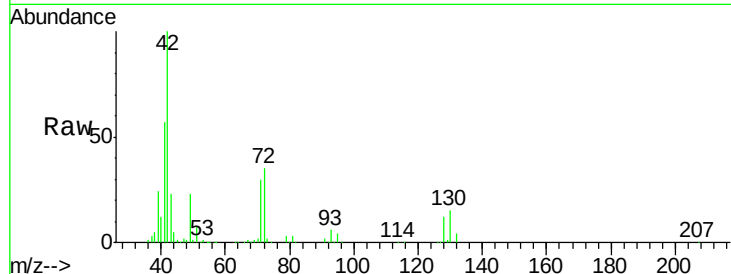
#29
Tetrahydrofuran
Concen: 260.336 ug/l
RT: 7.54 min Scan# 924
Delta R.T. 0.01 min
Lab File: VW012414.D
Acq: 31 Aug 2019 22:01

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion:	42	Resp:	134921
Ion	Ratio	Lower	Upper
42	100		
72	34.4	27.3	40.9
71	32.5	25.5	38.3

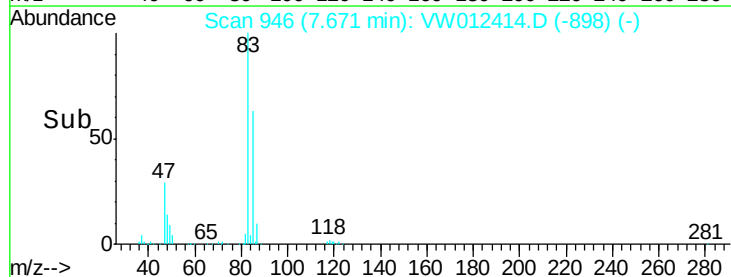
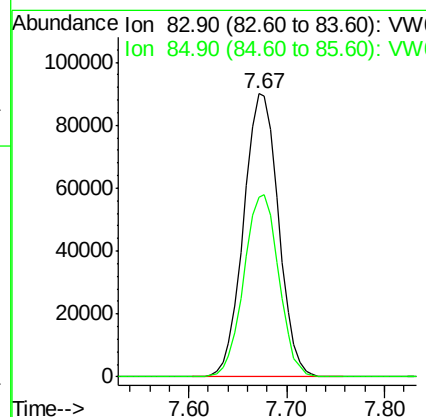
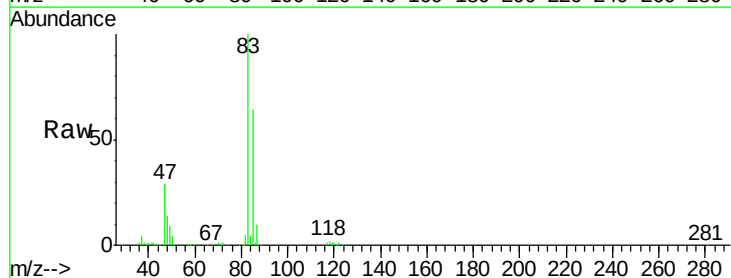
Manual Integrations
APPROVED

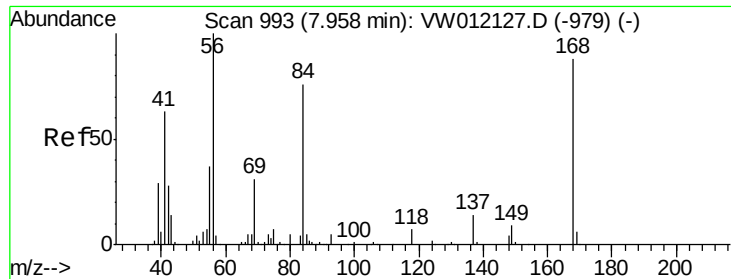
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#30
Chloroform
Concen: 53.812 ug/l
RT: 7.67 min Scan# 946
Delta R.T. -0.01 min
Lab File: VW012414.D
Acq: 31 Aug 2019 22:01

Tgt Ion:	83	Resp:	222896
Ion	Ratio	Lower	Upper
83	100		
85	63.5	50.6	76.0





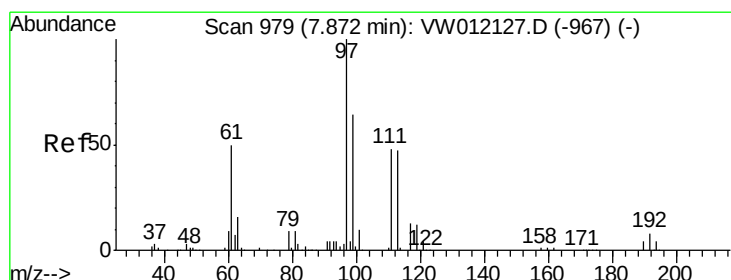
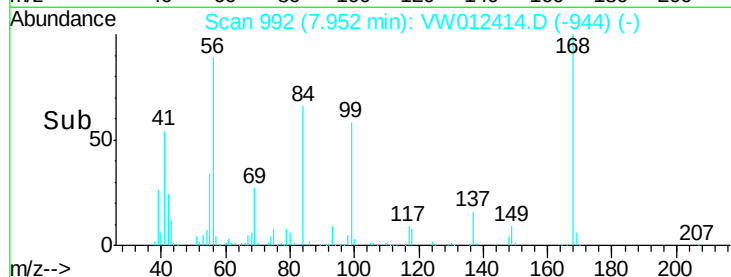
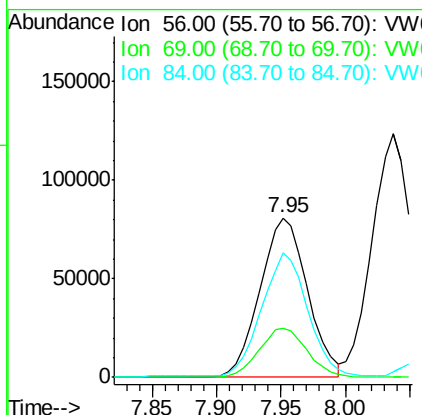
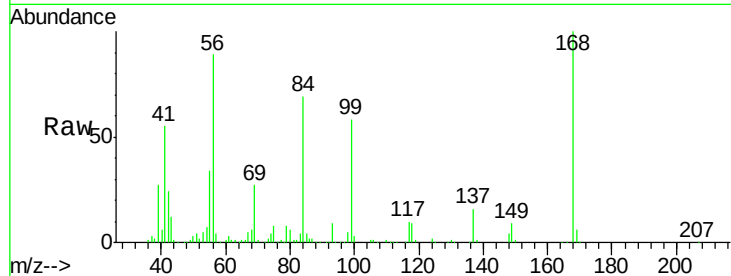
#31
Cyclohexane
Concen: 46.145 ug/l
RT: 7.95 min Scan# 992
Delta R.T. -0.01 min
Lab File: VW012414.D
Acq: 31 Aug 2019 22:01

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion	56	Resp	206695
Ion	Ratio	Lower	Upper
56	100		
69	30.8	24.9	37.3
84	76.6	60.6	90.8

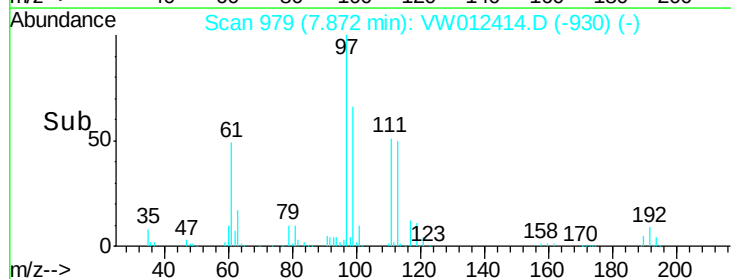
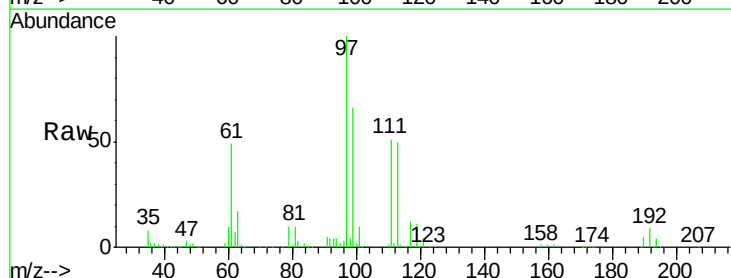
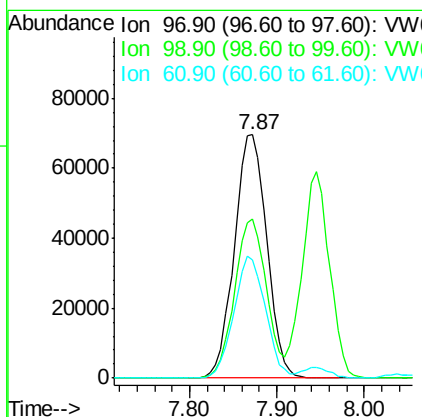
Manual Integrations
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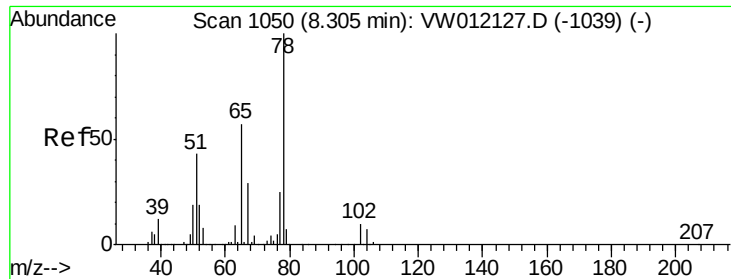
MMDadoda
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#32
1,1,1-Trichloroethane
Concen: 54.779 ug/l
RT: 7.87 min Scan# 979
Delta R.T. -0.00 min
Lab File: VW012414.D
Acq: 31 Aug 2019 22:01

Tgt Ion	97	Resp	179497
Ion	Ratio	Lower	Upper
97	100		
99	64.5	51.4	77.0
61	48.9	39.5	59.3





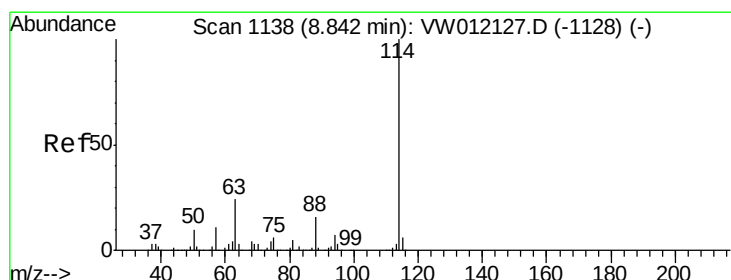
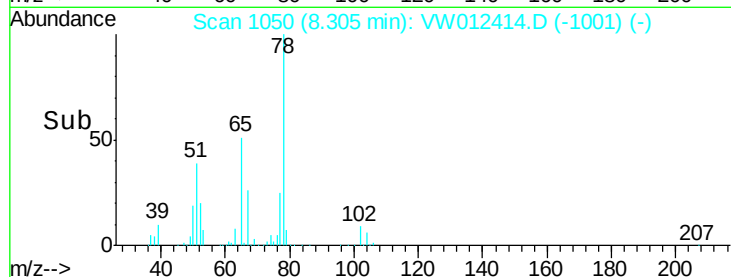
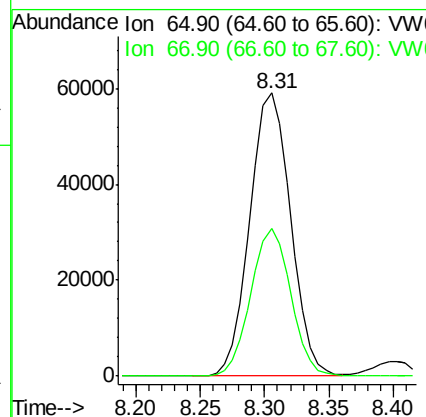
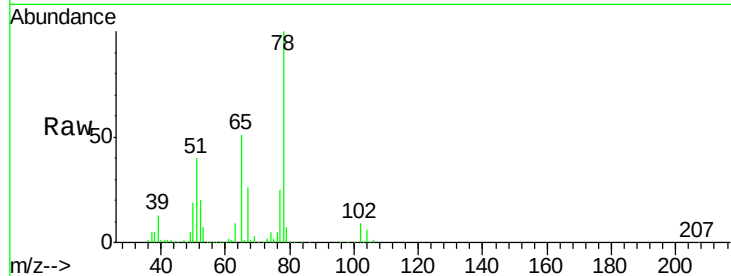
#33
 1,2-Dichloroethane-d4
 Concen: 52.168 ug/l
 RT: 8.31 min Scan# 1050
 Delta R.T. -0.00 min
 Lab File: VW012414.D
 Acq: 31 Aug 2019 22:01

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
65	100	129734		
67	51.4	0.0	102.6	

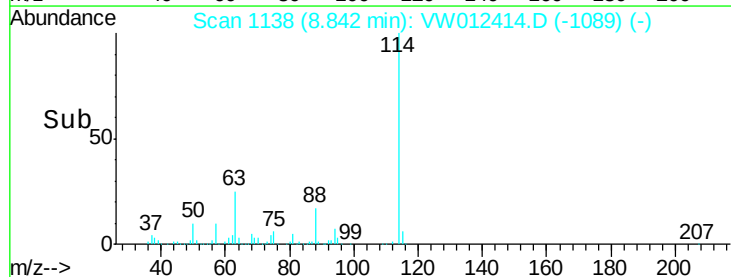
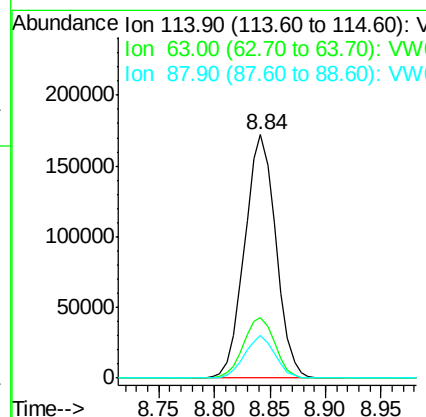
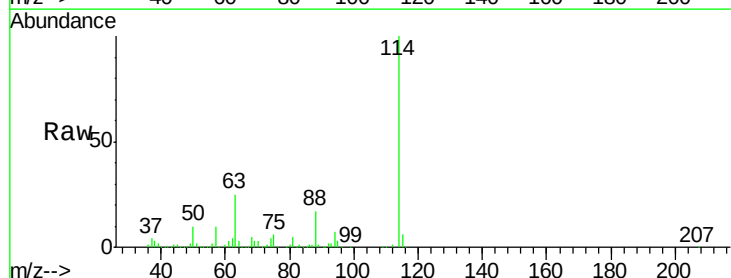
Manual Integrations
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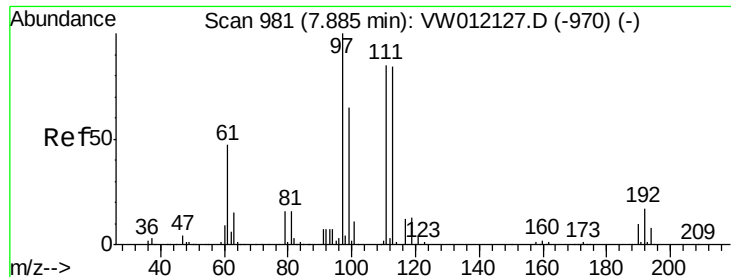
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 9/3/2019 2:42:02 AM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1138
 Delta R.T. -0.00 min
 Lab File: VW012414.D
 Acq: 31 Aug 2019 22:01

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	335303		
63	24.8	0.0	48.6	
88	17.5	0.0	32.2	





#35

Dibromofluoromethane

Concen: 50.362 ug/l

RT: 7.88 min Scan# 981

Delta R.T. -0.00 min

Lab File: VW012414.D

Acq: 31 Aug 2019 22:01

Instrument :

MSVOA_W

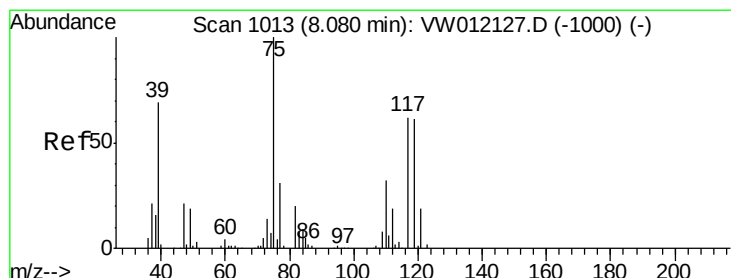
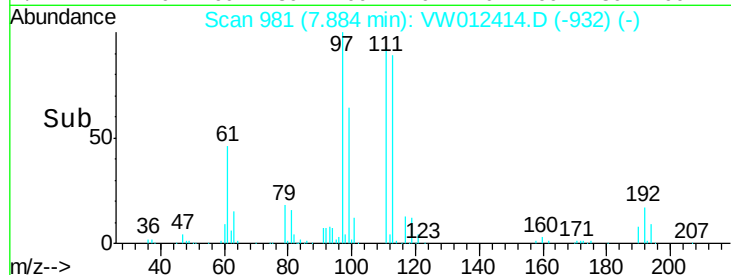
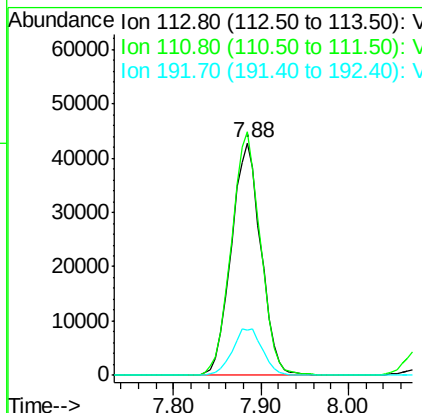
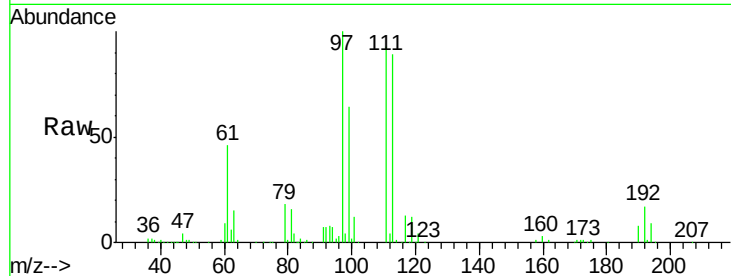
ClientSampleId :

VSTDCCC050

Tot Ion:	113	Resp:	100797
Ion Ratio	Lower	Upper	
113	100		
111	102.9	82.7	124.1
192	20.3	16.2	24.2

Manual Integrations
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#36

1,1-Dichloropropene

Concen: 51.386 ug/l

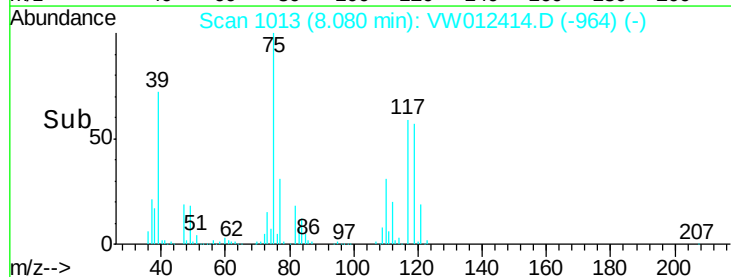
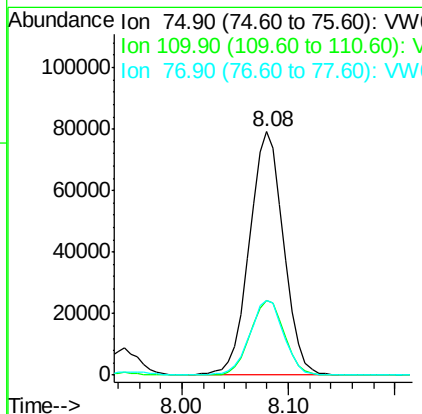
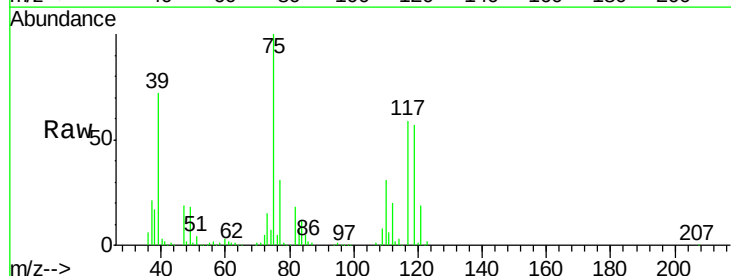
RT: 8.08 min Scan# 1013

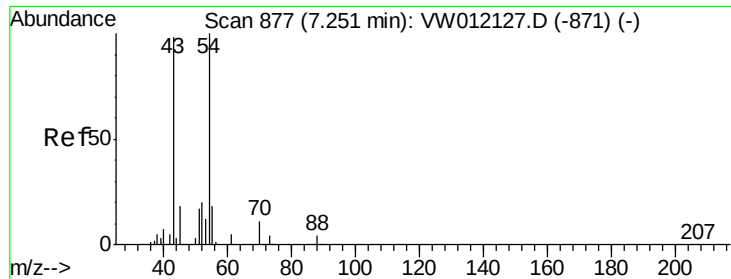
Delta R.T. -0.00 min

Lab File: VW012414.D

Acq: 31 Aug 2019 22:01

Tgt Ion:	75	Resp:	178052
Ion Ratio	Lower	Upper	
75	100		
110	30.7	15.6	46.8
77	31.0	24.6	36.8





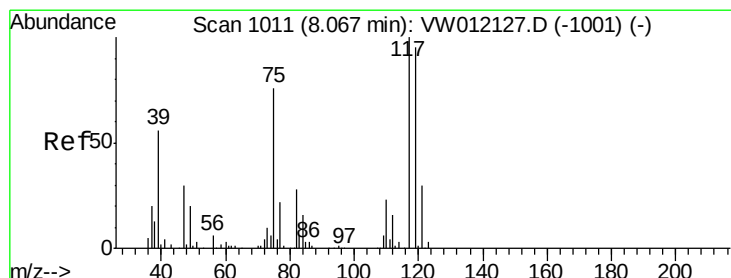
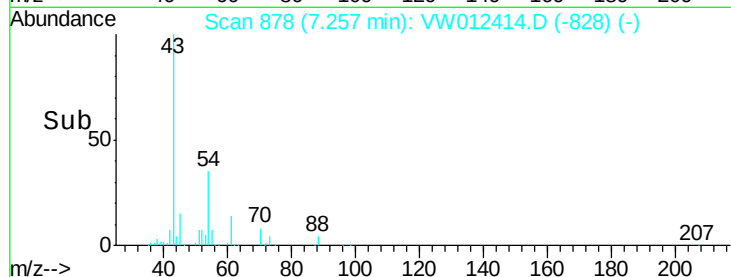
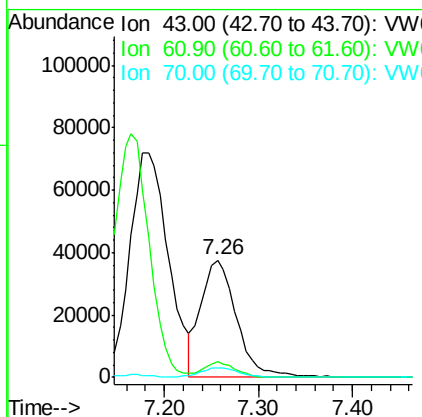
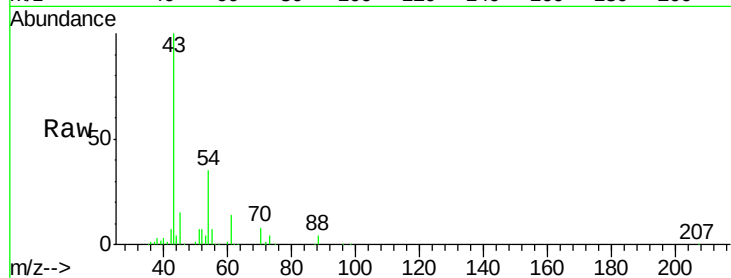
#37
Ethyl Acetate
Concen: 51.578 ug/l
RT: 7.26 min Scan# 878
Delta R.T. 0.01 min
Lab File: VW012414.D
Acq: 31 Aug 2019 22:01

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
43	100		
61	12.0	9.2	13.8
70	8.5	6.9	10.3

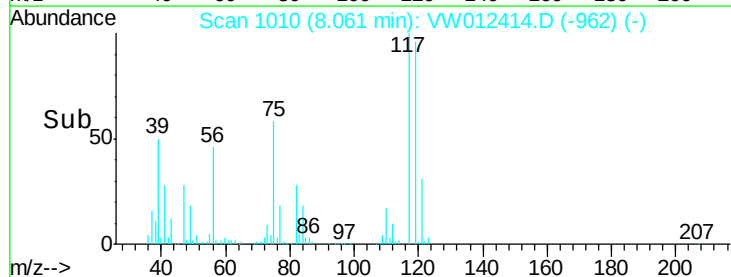
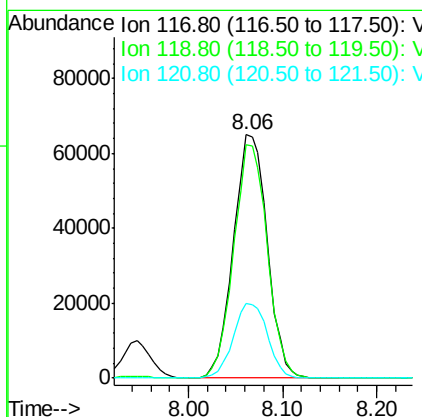
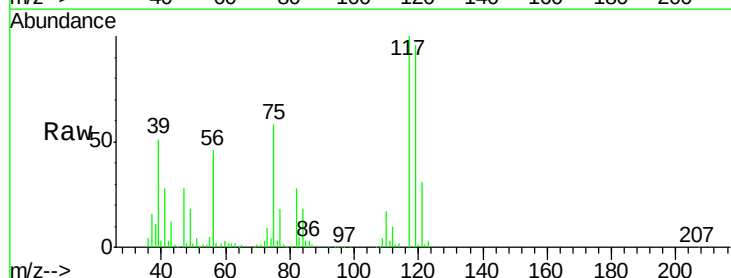
Manual Integrations
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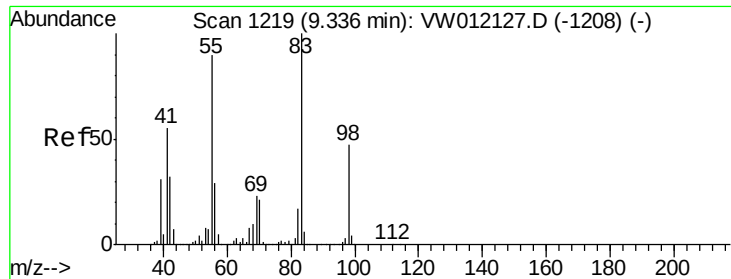
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#38
Carbon Tetrachloride
Concen: 54.331 ug/l
RT: 8.06 min Scan# 1010
Delta R.T. -0.01 min
Lab File: VW012414.D
Acq: 31 Aug 2019 22:01

Tgt Ion	Ratio	Lower	Upper
117	100		
119	95.9	76.2	114.2
121	30.7	23.8	35.8





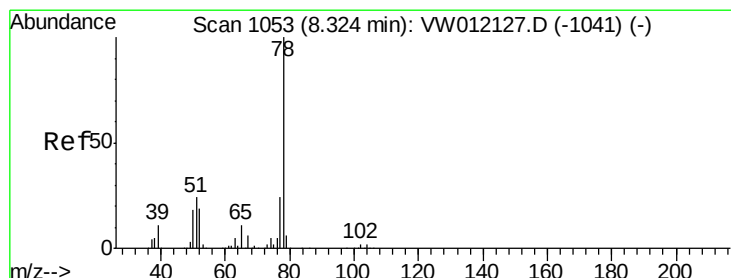
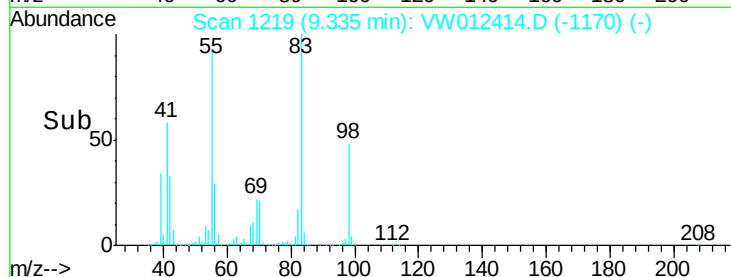
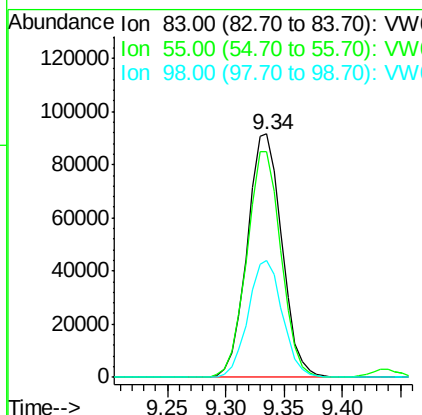
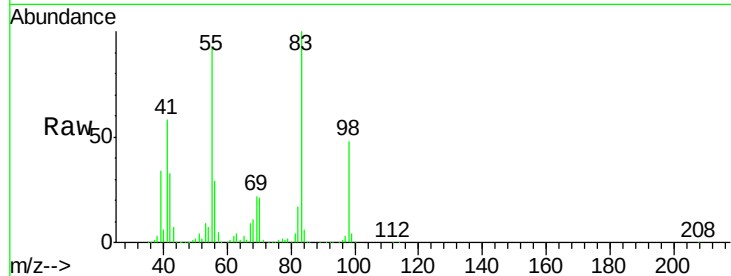
#39
Methylvlcyclohexane
Concen: 48.834 ug/l
RT: 9.34 min Scan# 1219
Delta R.T. -0.00 min
Lab File: VW012414.D
Acq: 31 Aug 2019 22:01

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion	83	Resp	190094
Ion Ratio	Lower	Upper	
83	100		
55	92.9	71.8	107.8
98	48.2	37.8	56.8

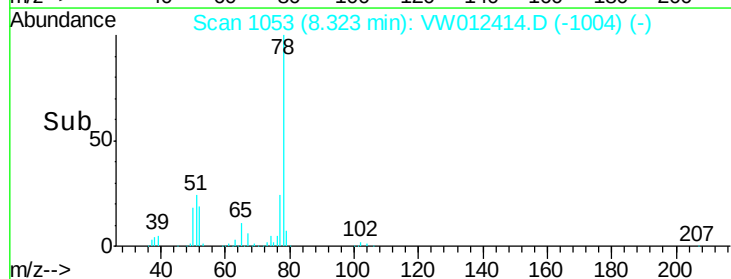
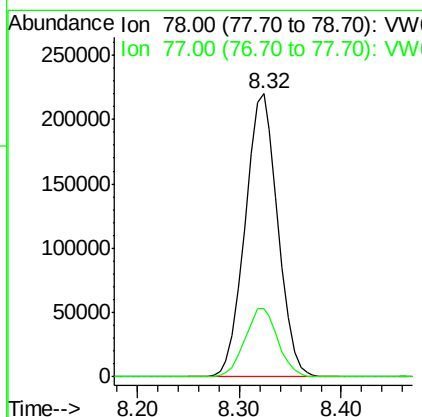
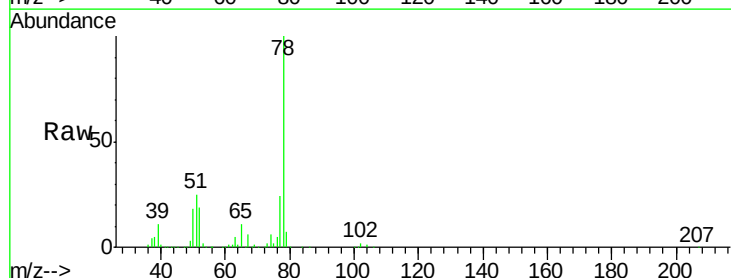
Manual Integrations
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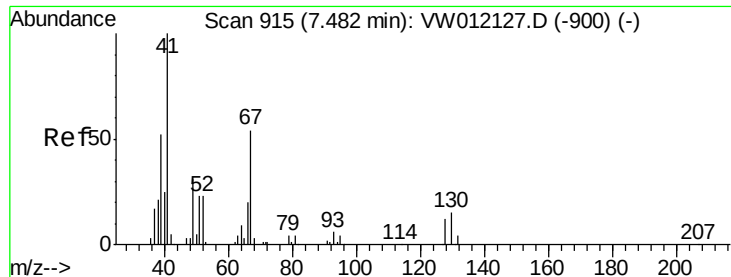
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#40
Benzene
Concen: 51.789 ug/l
RT: 8.32 min Scan# 1053
Delta R.T. -0.00 min
Lab File: VW012414.D
Acq: 31 Aug 2019 22:01

Tgt Ion	78	Resp	489990
Ion Ratio	Lower	Upper	
78	100		
77	24.2	19.5	29.3





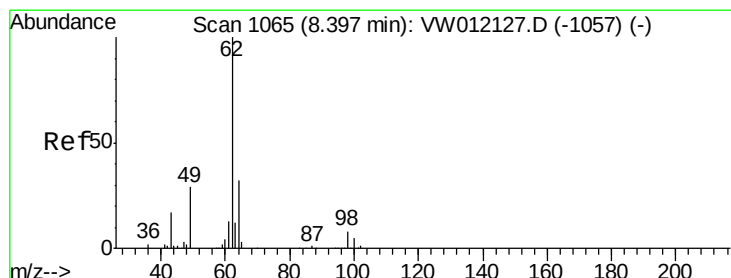
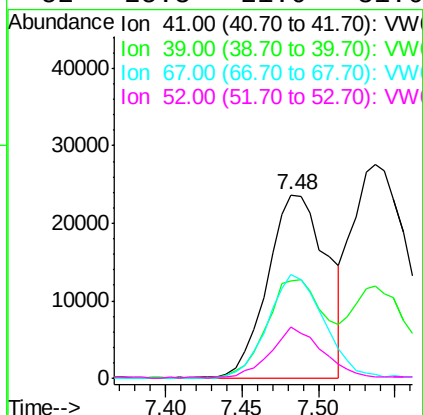
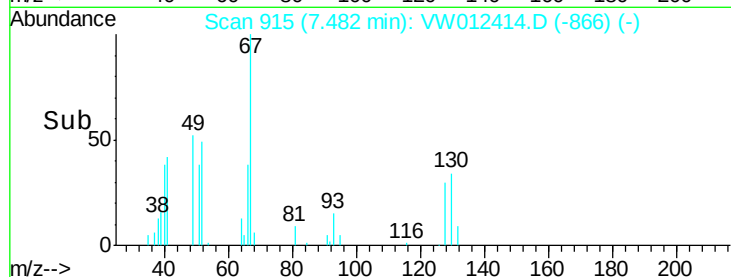
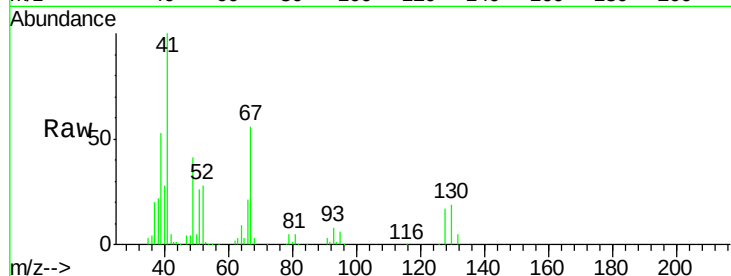
#41
Methacrylonitrile
Concen: 57.005 ug/l
RT: 7.48 min Scan# 915
Delta R.T. -0.00 min
Lab File: VW012414.D
Acq: 31 Aug 2019 22:01

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion	Ion	Ratio	Lower	Upper
41	100			
39	53.0	45.8	68.8	
67	53.8	46.2	69.4	
52	25.3	21.0	31.6	

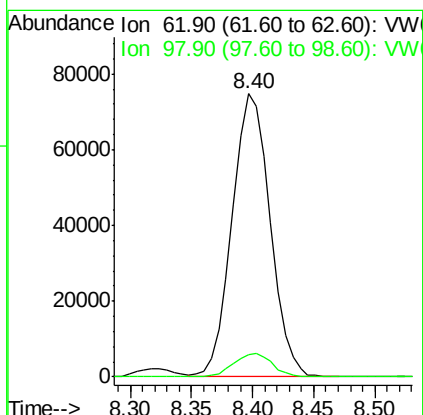
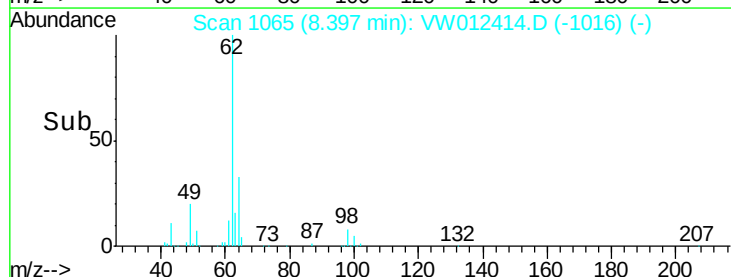
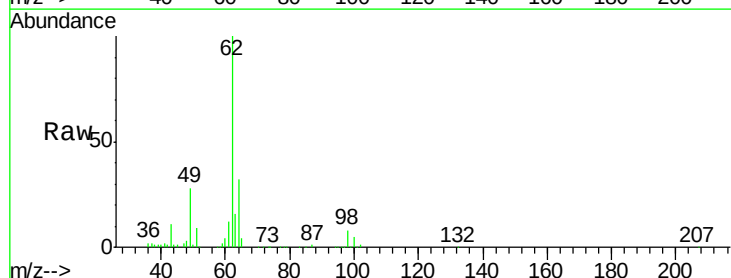
Manual Integrations
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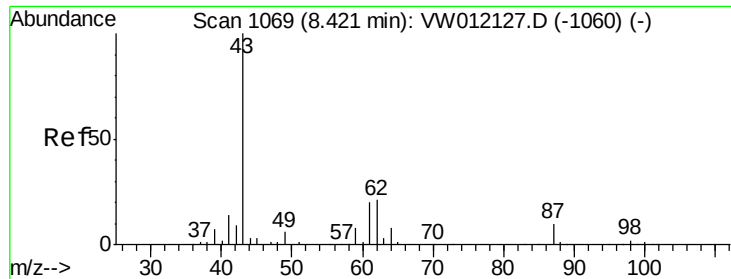
MMDadoda
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#42
1,2-Dichloroethane
Concen: 54.130 ug/l
RT: 8.40 min Scan# 1065
Delta R.T. -0.00 min
Lab File: VW012414.D
Acq: 31 Aug 2019 22:01

Tgt Ion	Ion	Ratio	Lower	Upper
62	100			
98	8.3	0.0	16.6	





#43

Isopropyl Acetate

Concen: 52.167 ug/l

RT: 8.43 min Scan# 1070

Delta R.T. 0.01 min

Lab File: VW012414.D

Acq: 31 Aug 2019 22:01

Instrument :

MSVOA_W

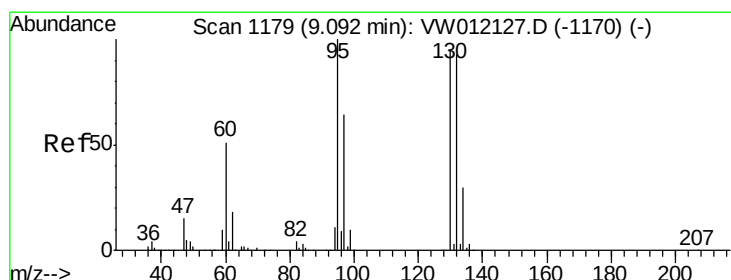
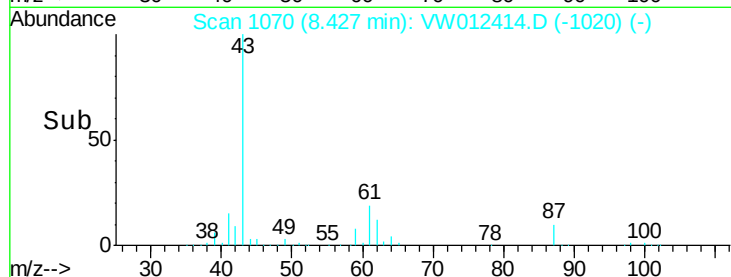
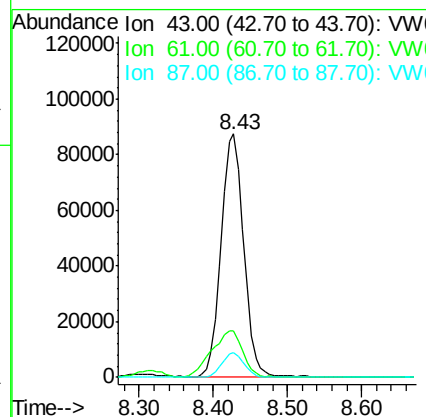
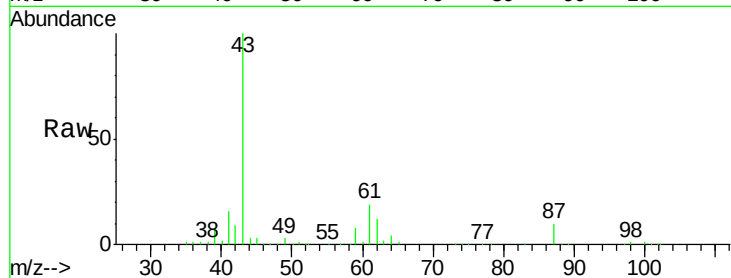
ClientSampleId :

VSTDCCC050

Tot Ion:	43	Resp:	183475
Ion	Ratio	Lower	Upper
43	100		
61	26.3	21.1	31.7
87	10.0	8.2	12.2

Manual Integrations
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#44

Trichloroethene

Concen: 52.014 ug/l

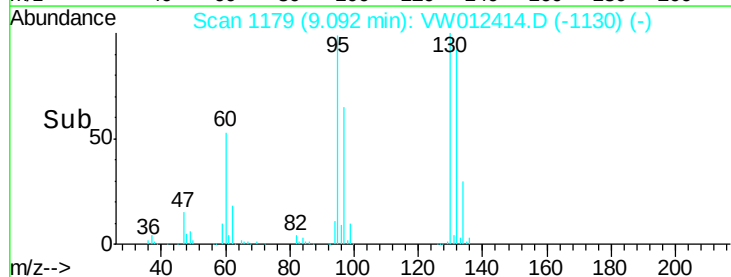
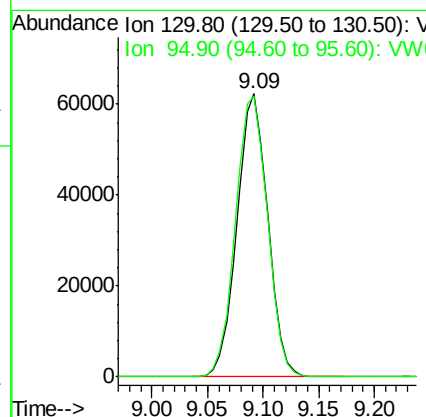
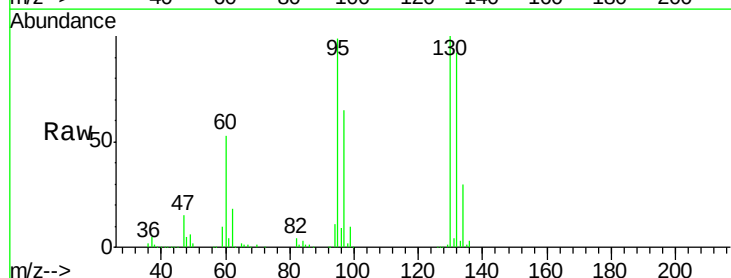
RT: 9.09 min Scan# 1179

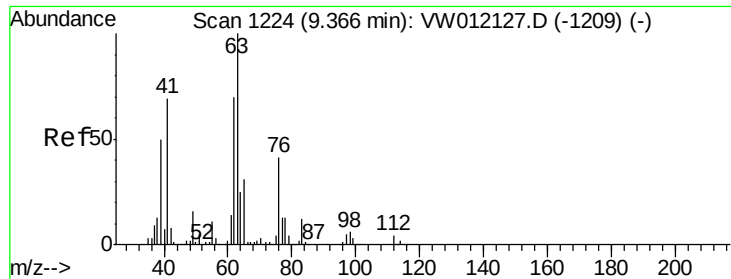
Delta R.T. -0.00 min

Lab File: VW012414.D

Acq: 31 Aug 2019 22:01

Tgt Ion:	130	Resp:	119632
Ion	Ratio	Lower	Upper
130	100		
95	99.3	0.0	210.6





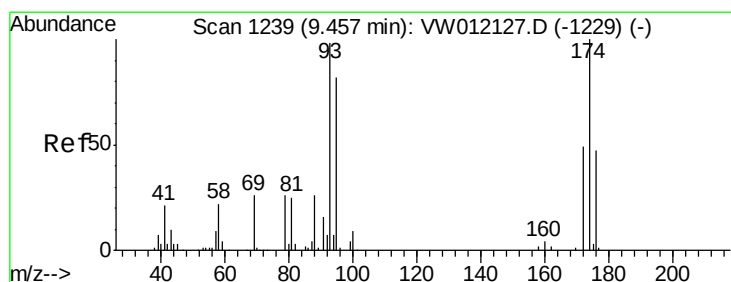
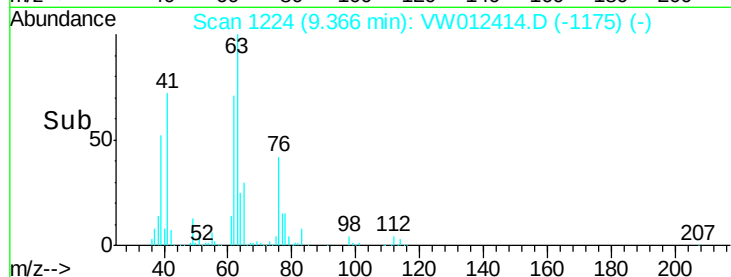
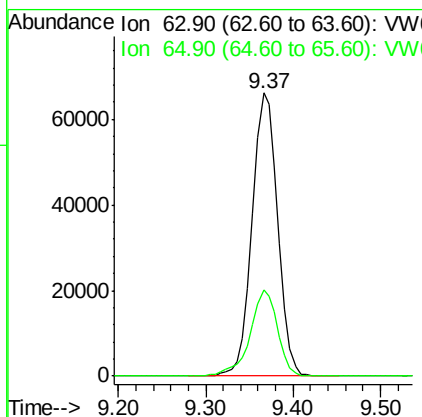
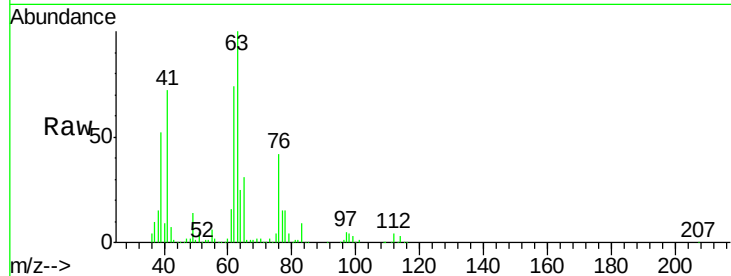
#45
 1,2-Dichloropropane
 Concen: 52.467 ug/l
 RT: 9.37 min Scan# 1224
 Delta R.T. -0.00 min
 Lab File: VW012414.D
 Acq: 31 Aug 2019 22:01

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

Tot Ion: 63 Resp: 133599
 Ion Ratio Lower Upper
 63 100
 65 30.5 25.0 37.4

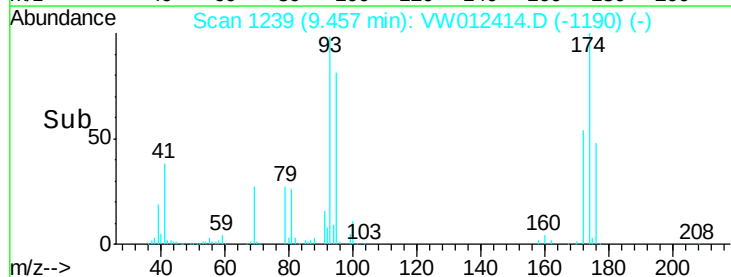
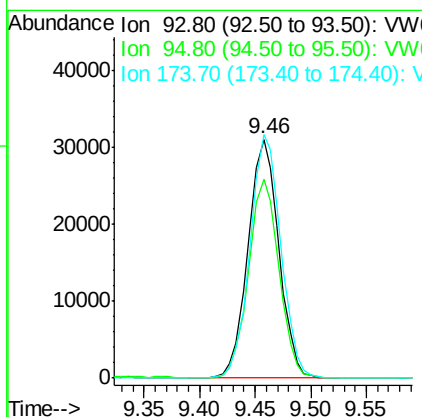
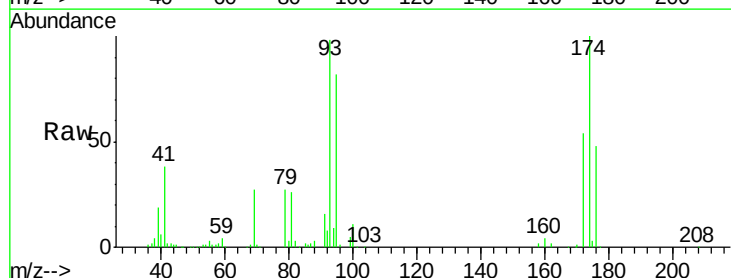
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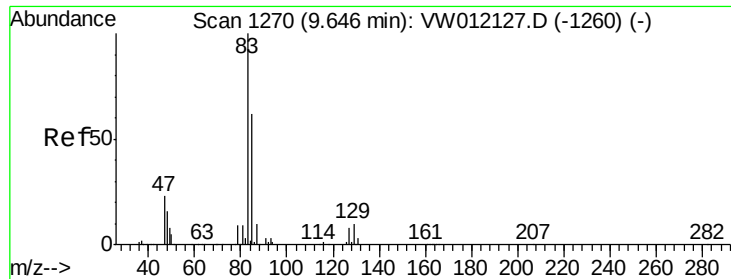
MMDadoda
 9/3/2019 2:42:02 AM



#46
 Dibromomethane
 Concen: 52.795 ug/l
 RT: 9.46 min Scan# 1239
 Delta R.T. -0.00 min
 Lab File: VW012414.D
 Acq: 31 Aug 2019 22:01

Tgt Ion: 93 Resp: 59813
 Ion Ratio Lower Upper
 93 100
 95 82.7 67.2 100.8
 174 102.1 79.0 118.6





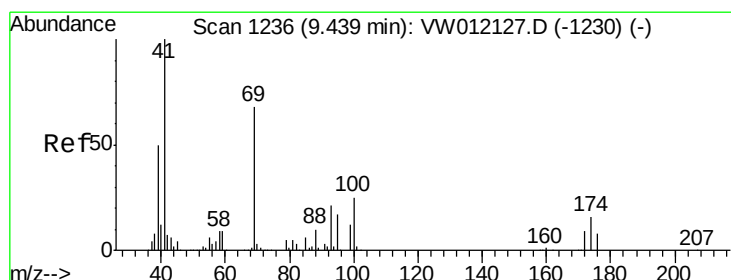
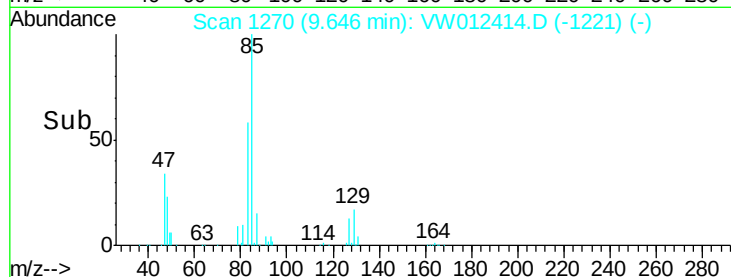
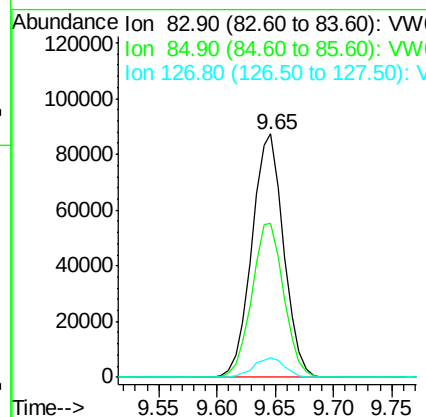
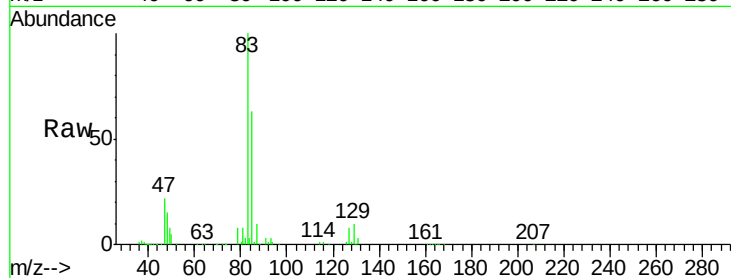
#47
Bromodichloromethane
Concen: 55.177 ug/l
RT: 9.65 min Scan# 1270
Delta R.T. -0.00 min
Lab File: VW012414.D
Acq: 31 Aug 2019 22:01

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion	83	Resp	166371
Ion	Ratio	Lower	Upper
83	100		
85	63.5	49.4	74.2
127	8.1	6.1	9.1

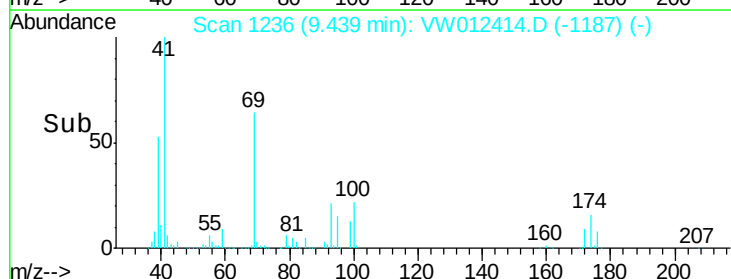
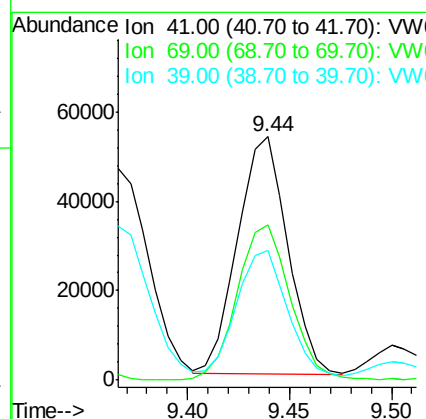
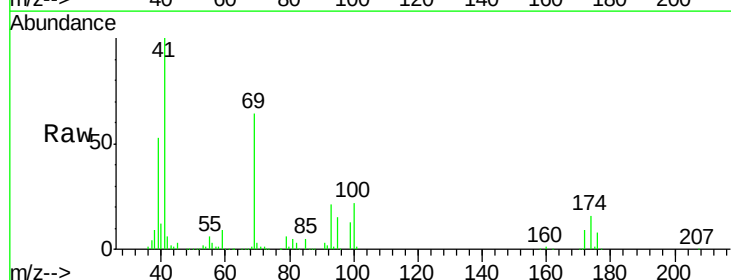
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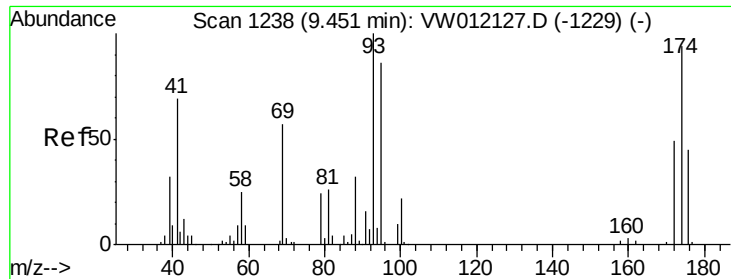
MMDadoda
9/3/2019 2:42:02 AM



#48
Methyl methacrylate
Concen: 54.036 ug/l
RT: 9.44 min Scan# 1236
Delta R.T. -0.00 min
Lab File: VW012414.D
Acq: 31 Aug 2019 22:01

Tgt Ion	41	Resp	90453
Ion	Ratio	Lower	Upper
41	100		
69	69.3	56.7	85.1
39	57.5	42.0	63.0





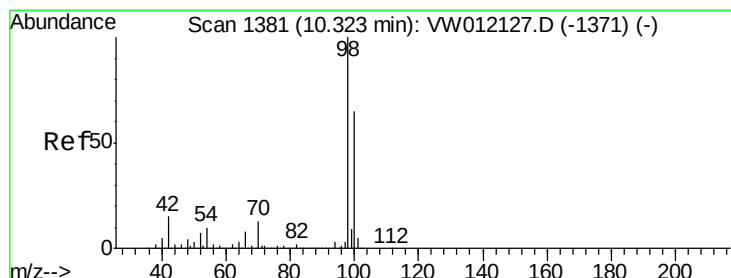
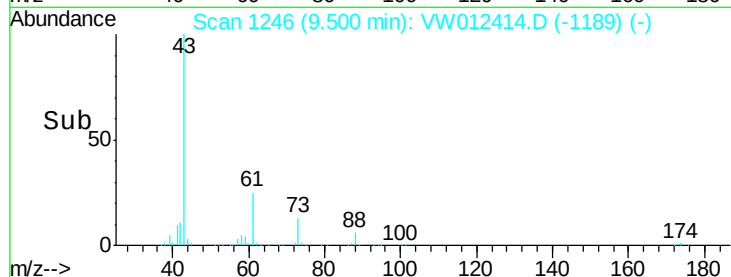
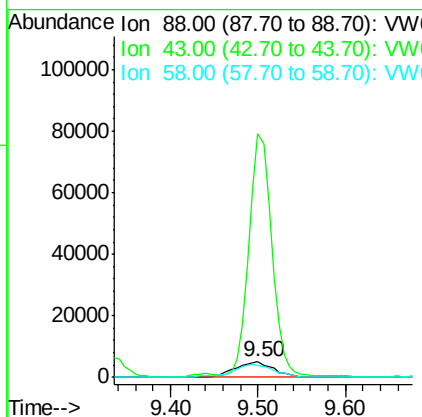
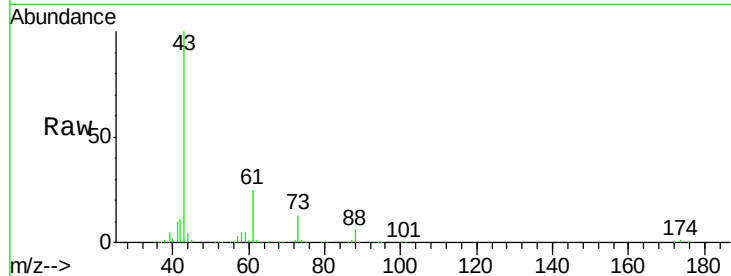
#49
1,4-Dioxane
Concen: 899.332 ug/l
RT: 9.50 min Scan# 1246
Delta R.T. 0.05 min
Lab File: VW012414.D
Acq: 31 Aug 2019 22:01

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion	88	Resp	15598
Ion	Ratio	Lower	Upper
88	100		
43	919.2	32.9	49.3#
58	92.6	71.0	106.4

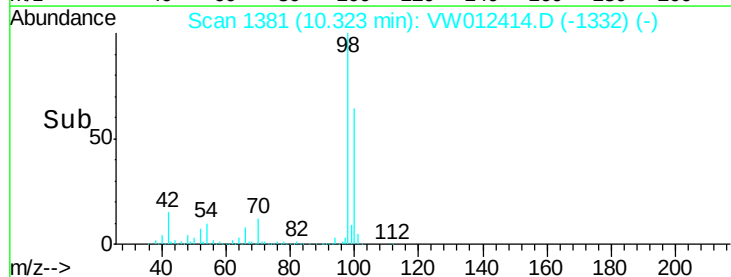
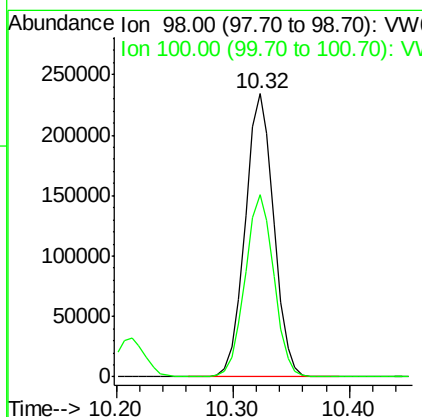
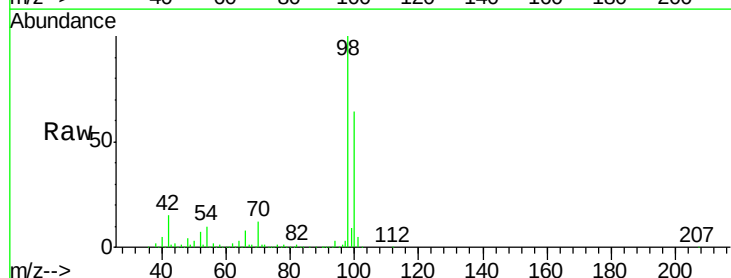
Manual Integrations
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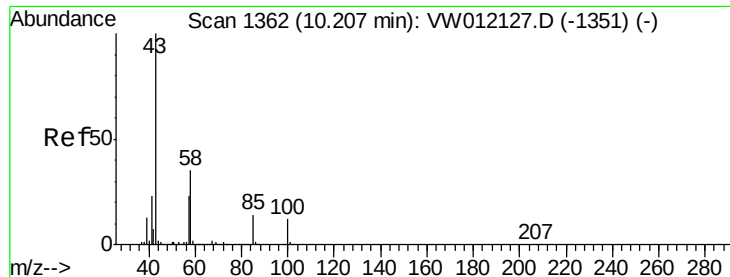
MMDadoda
9/3/2019 2:42:02 AM



#50
Toluene-d8
Concen: 49.472 ug/l
RT: 10.32 min Scan# 1381
Delta R.T. -0.00 min
Lab File: VW012414.D
Acq: 31 Aug 2019 22:01

Tgt Ion	98	Resp	401478
Ion	Ratio	Lower	Upper
98	100		
100	64.5	52.4	78.6





#51

4-Methyl-2-Pentanone

Concen: 263.338 ug/l

RT: 10.21 min Scan# 1363

Delta R.T. 0.01 min

Lab File: VW012414.D

Acq: 31 Aug 2019 22:01

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 471085

Ion Ratio Lower Upper

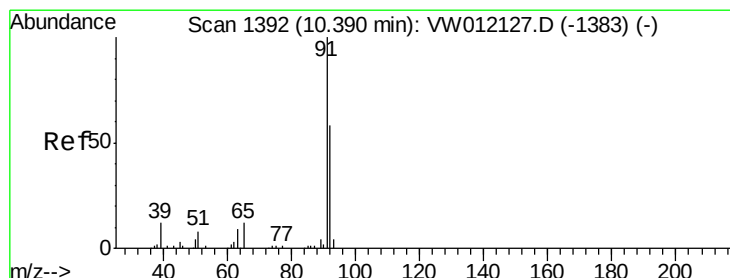
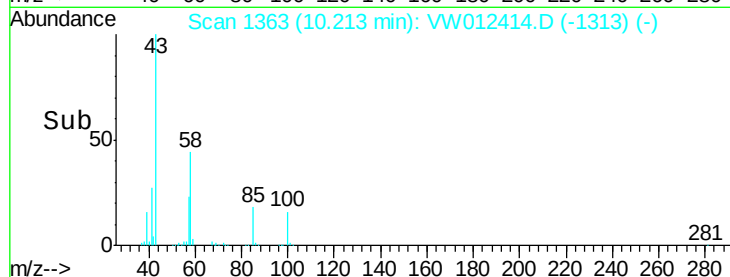
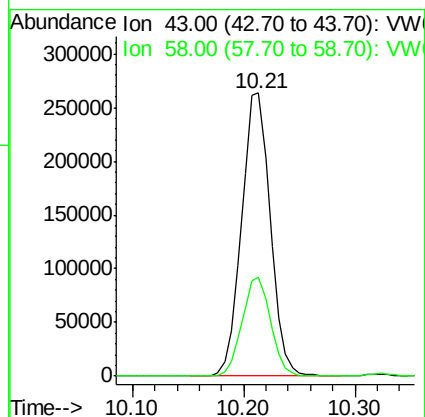
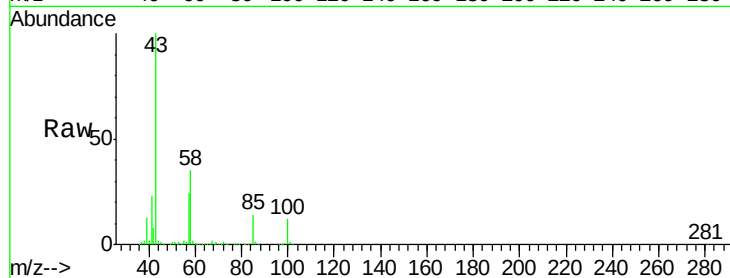
43 100

58 34.7 28.2 42.2

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#52

Toluene

Concen: 52.435 ug/l

RT: 10.38 min Scan# 1391

Delta R.T. -0.01 min

Lab File: VW012414.D

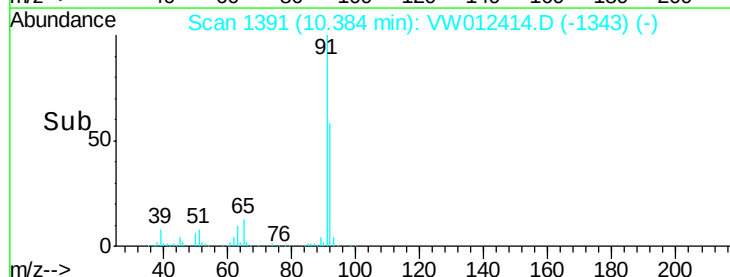
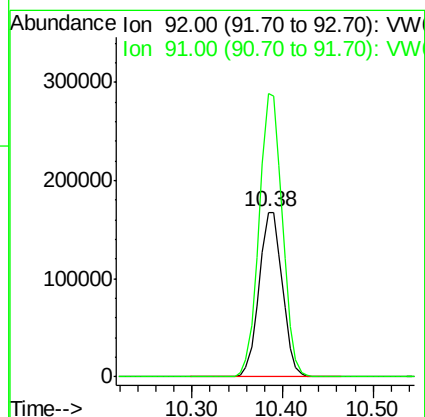
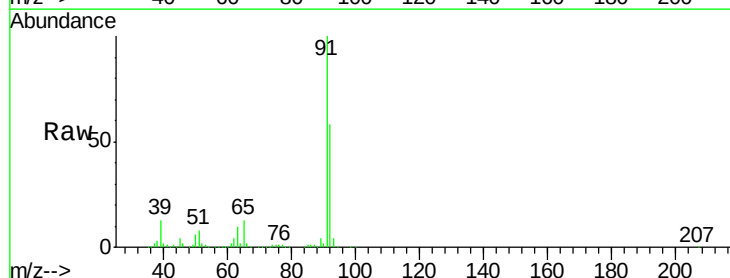
Acq: 31 Aug 2019 22:01

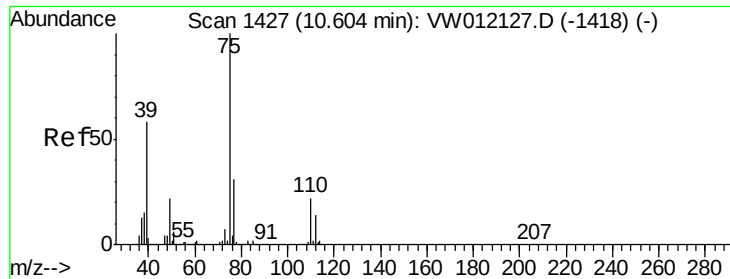
Tgt Ion: 92 Resp: 298030

Ion Ratio Lower Upper

92 100

91 171.9 136.6 204.8





#53

t-1,3-Dichloropropene

Concen: 53.536 ug/l

RT: 10.60 min Scan# 1427

Delta R.T. -0.00 min

Lab File: VW012414.D

Acq: 31 Aug 2019 22:01

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

Tot Ion: 75 Resp: 164430

Ion Ratio Lower Upper

75 100

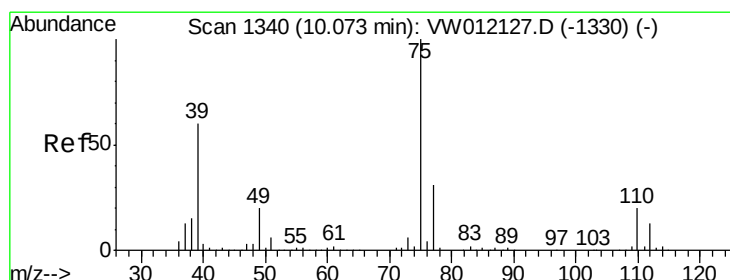
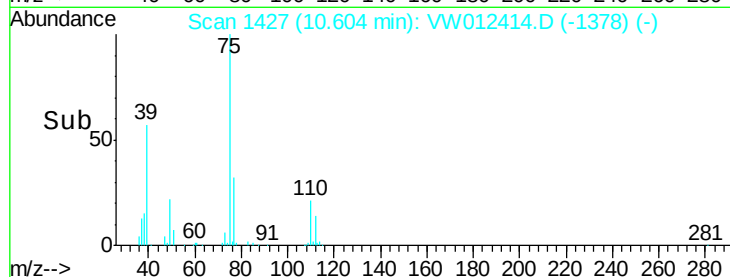
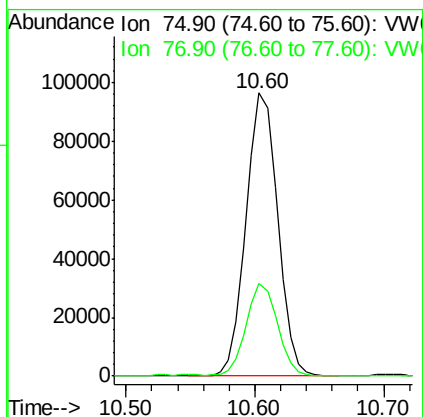
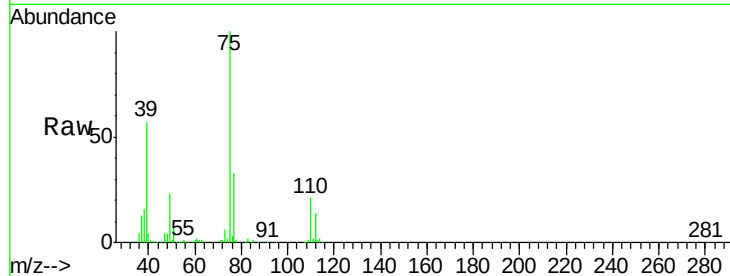
77 32.3 25.0 37.4

Manual Integrations

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#54

cis-1,3-Dichloropropene

Concen: 52.679 ug/l

RT: 10.07 min Scan# 1340

Delta R.T. -0.00 min

Lab File: VW012414.D

Acq: 31 Aug 2019 22:01

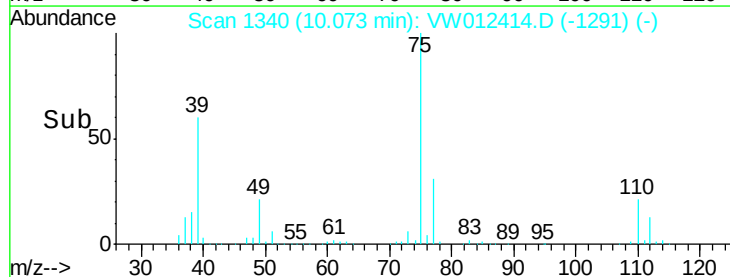
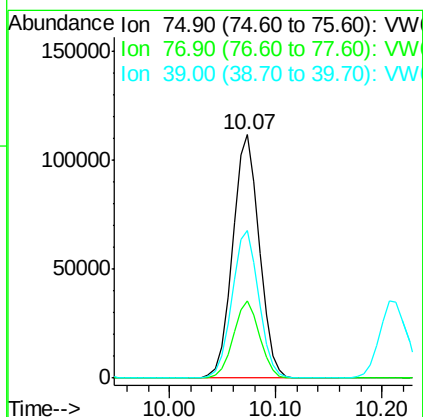
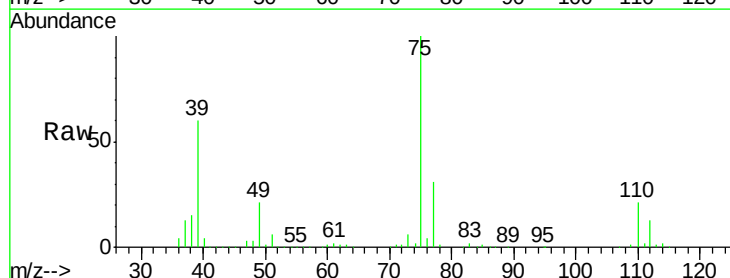
Tgt Ion: 75 Resp: 195363

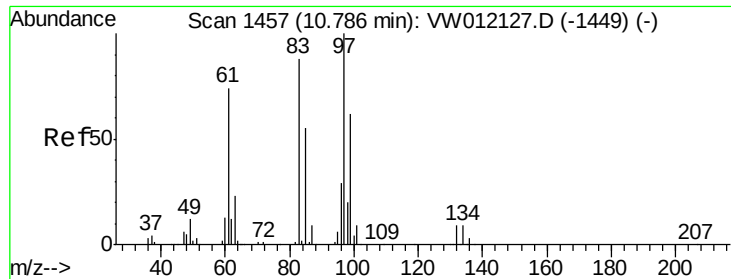
Ion Ratio Lower Upper

75 100

77 31.5 25.1 37.7

39 60.3 48.3 72.5





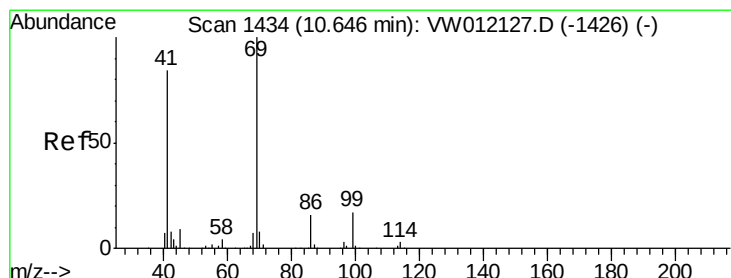
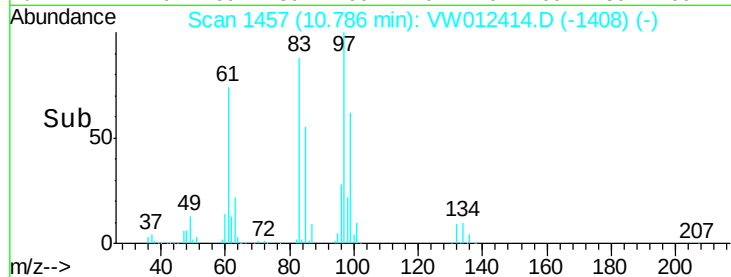
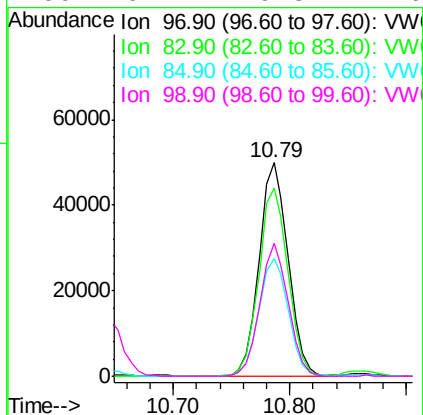
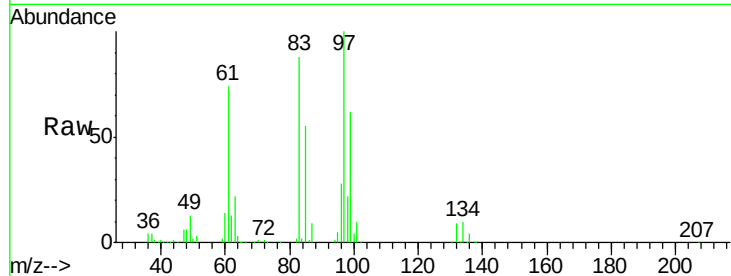
#55
 1,1,2-Trichloroethane
 Concen: 53.724 ug/l
 RT: 10.79 min Scan# 1457
 Delta R.T. -0.00 min
 Lab File: VW012414.D
 Acq: 31 Aug 2019 22:01

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

Tot Ion:	97	Resp:	86117
Ion	Ratio	Lower	Upper
97	100		
83	88.1	70.8	106.2
85	54.9	43.8	65.8
99	62.1	49.8	74.6

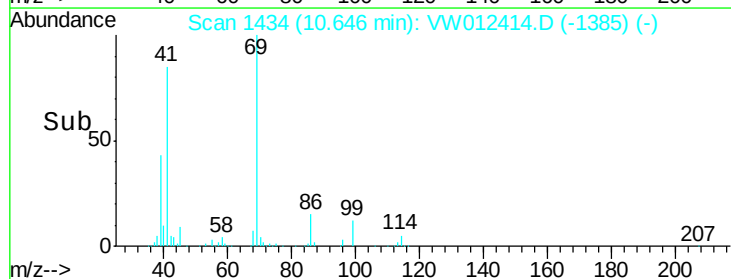
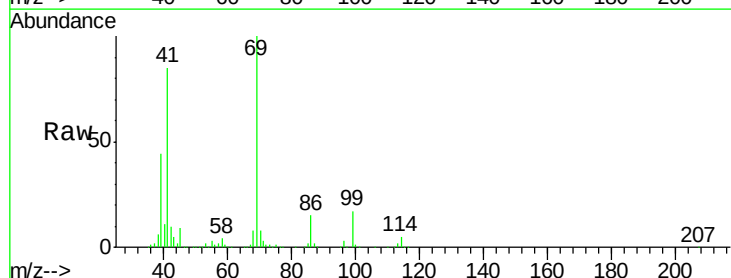
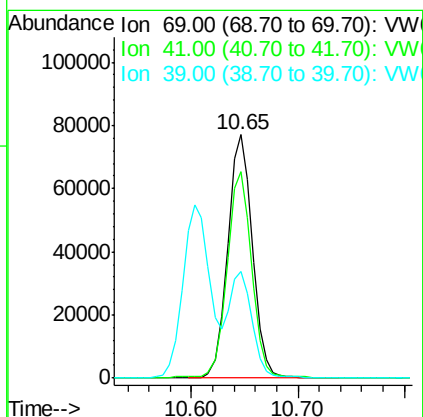
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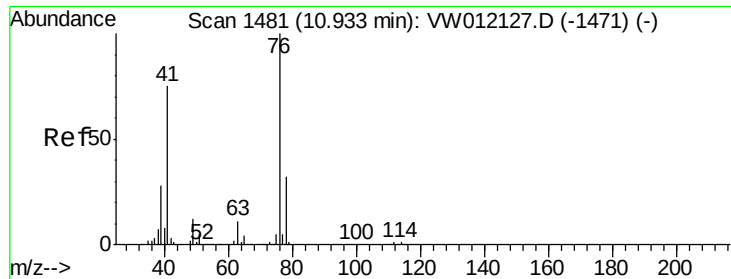
MMDadoda
 9/3/2019 2:42:02 AM



#56
 Ethyl methacrylate
 Concen: 53.700 ug/l
 RT: 10.65 min Scan# 1434
 Delta R.T. -0.00 min
 Lab File: VW012414.D
 Acq: 31 Aug 2019 22:01

Tgt Ion:	69	Resp:	125281
Ion	Ratio	Lower	Upper
69	100		
41	84.7	66.5	99.7
39	40.3	31.0	46.4





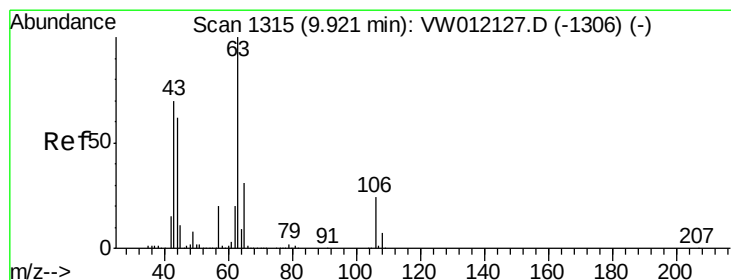
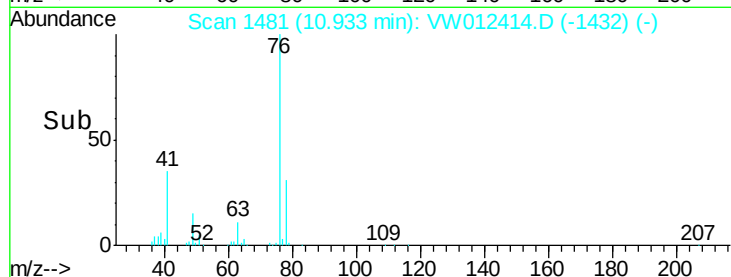
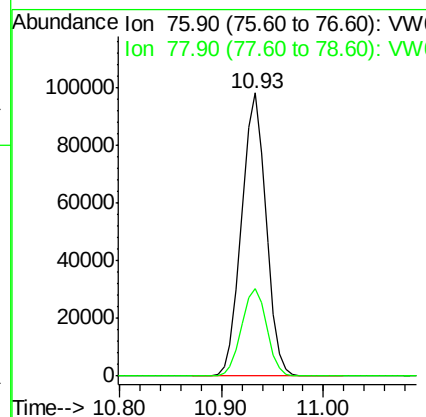
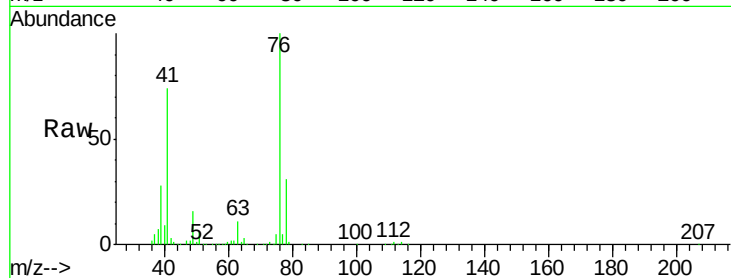
#57
 1,3-Dichloropropane
 Concen: 53.578 ug/l
 RT: 10.93 min Scan# 1481
 Delta R.T. -0.00 min
 Lab File: VW012414.D
 Acq: 31 Aug 2019 22:01

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

Tot Ion: 76 Resp: 162296
 Ion Ratio Lower Upper
 76 100
 78 31.8 25.8 38.8

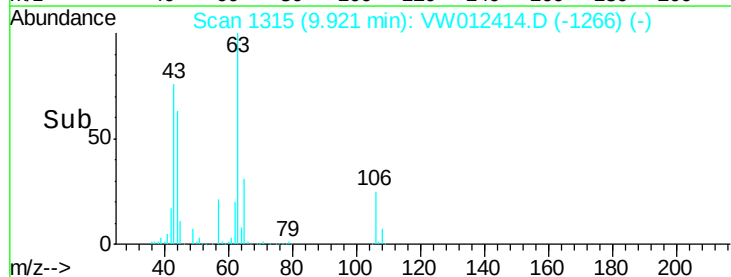
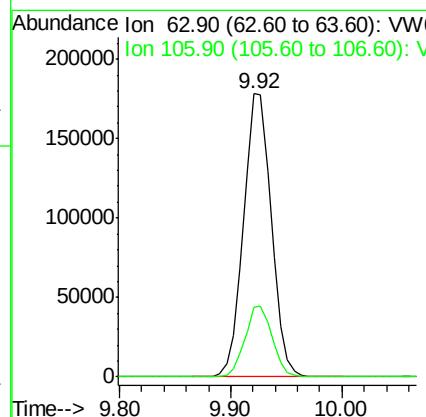
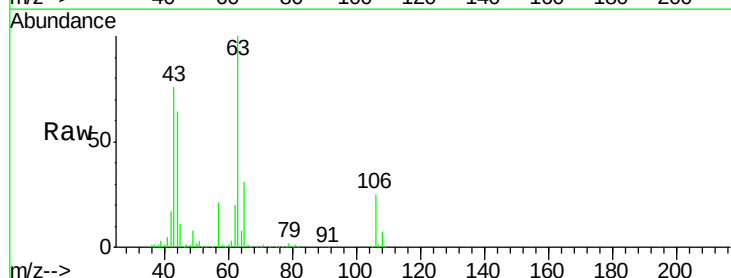
Manual Integrations
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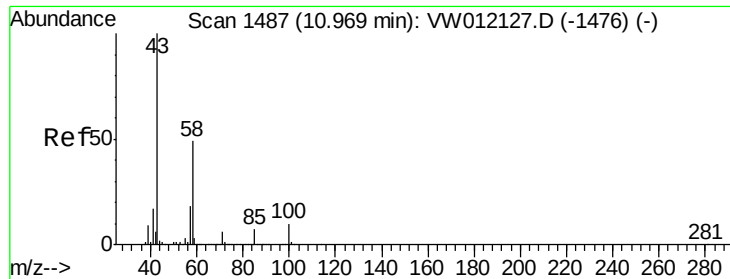
MMDadoda
 9/3/2019 2:42:02 AM



#58
 2-Chloroethyl Vinyl ether
 Concen: 257.854 ug/l
 RT: 9.92 min Scan# 1315
 Delta R.T. -0.00 min
 Lab File: VW012414.D
 Acq: 31 Aug 2019 22:01

Tgt Ion: 63 Resp: 308736
 Ion Ratio Lower Upper
 63 100
 106 24.6 19.8 29.8





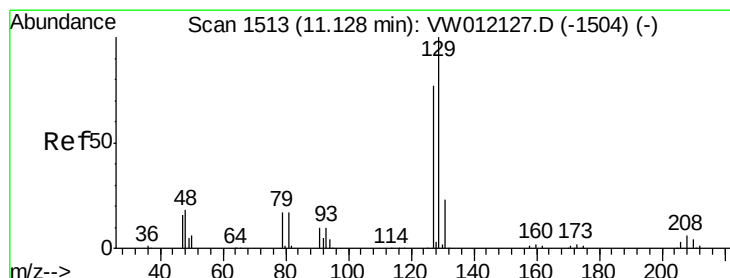
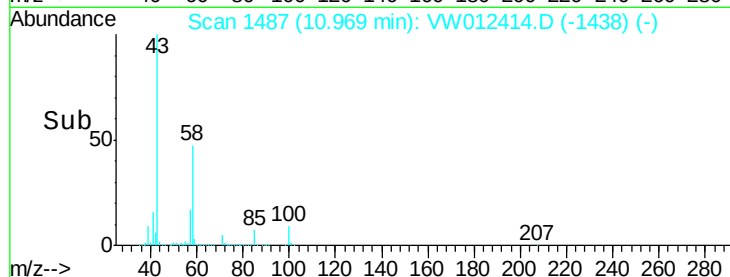
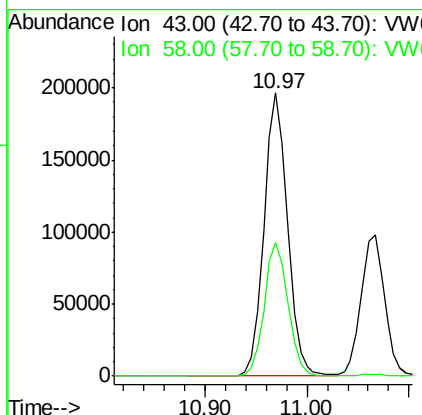
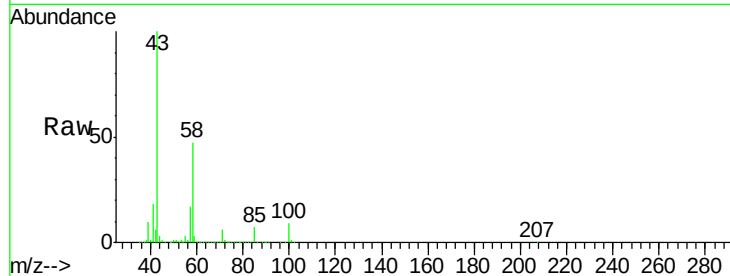
#59
2-Hexanone
Concen: 249.208 ug/l
RT: 10.97 min Scan# 1487
Delta R.T. -0.00 min
Lab File: VW012414.D
Acq: 31 Aug 2019 22:01

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion	43	Resp	315438
Ion Ratio	100	Lower	Upper
43	100		
58	47.8	24.3	72.9

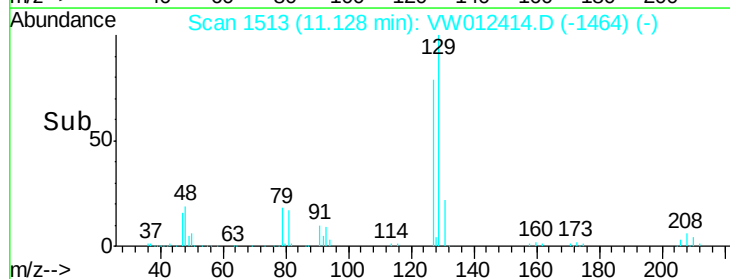
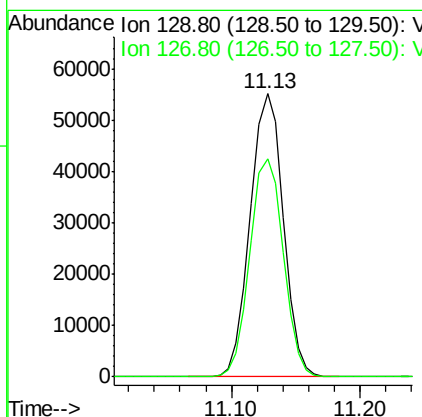
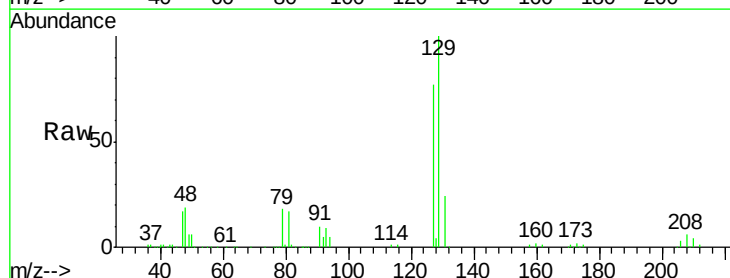
Manual Integrations
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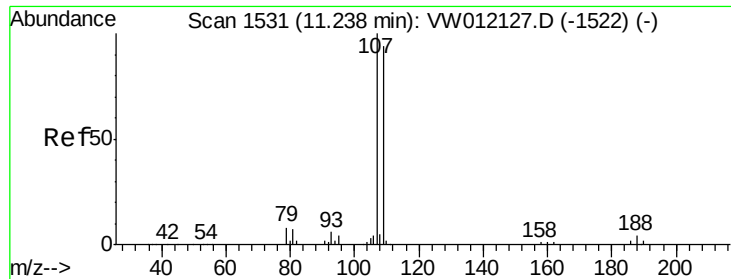
MMDadoda
9/3/2019 2:42:02 AM



#60
Dibromochloromethane
Concen: 54.938 ug/l
RT: 11.13 min Scan# 1513
Delta R.T. -0.00 min
Lab File: VW012414.D
Acq: 31 Aug 2019 22:01

Tgt Ion	129	Resp	98087	
Ion Ratio	129	100	Lower	Upper
129	100			
127	77.7	38.6	115.8	





#61

1,2-Dibromoethane

Concen: 53.474 ug/l

RT: 11.23 min Scan# 1530

Delta R.T. -0.01 min

Lab File: VW012414.D

Acq: 31 Aug 2019 22:01

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

Tot Ion: 107 Resp: 79856

Ion Ratio Lower Upper

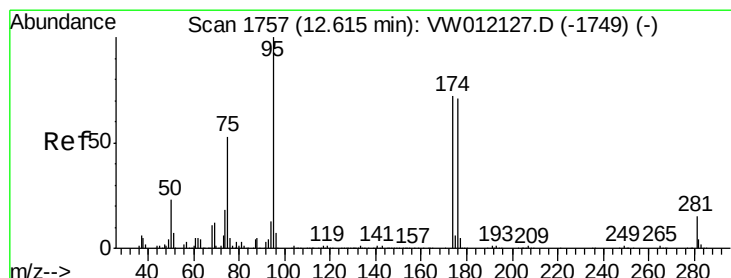
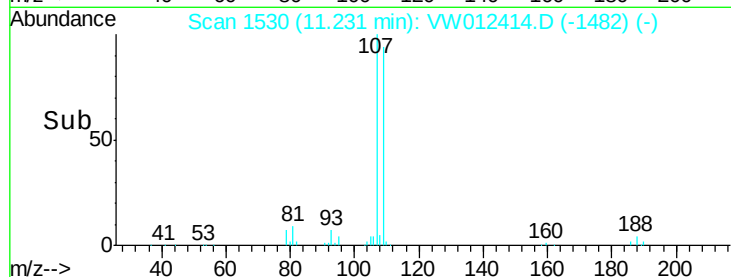
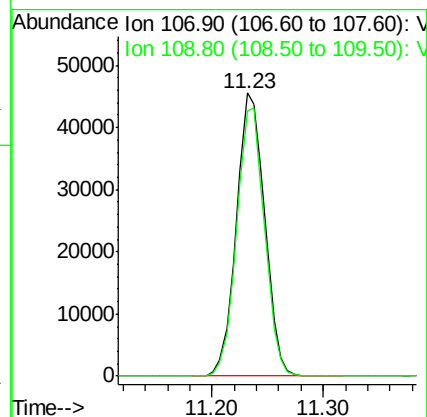
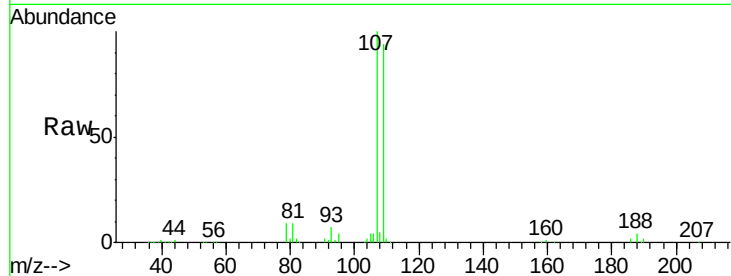
107 100

109 93.6 75.4 113.2

Manual Integrations
APPROVED

MMDadoda

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#62

4-Bromofluorobenzene

Concen: 49.493 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. -0.00 min

Lab File: VW012414.D

Acq: 31 Aug 2019 22:01

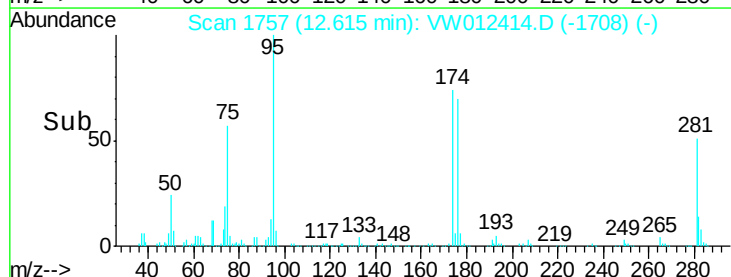
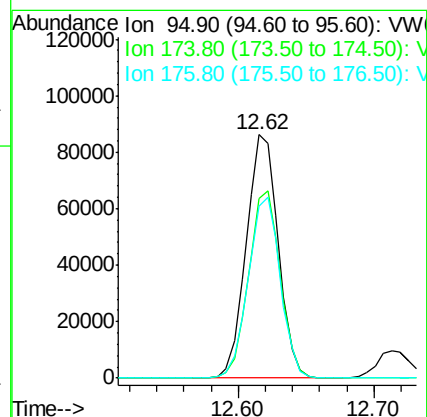
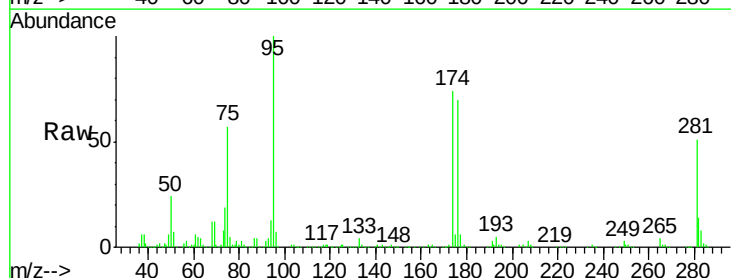
Tgt Ion: 95 Resp: 141579

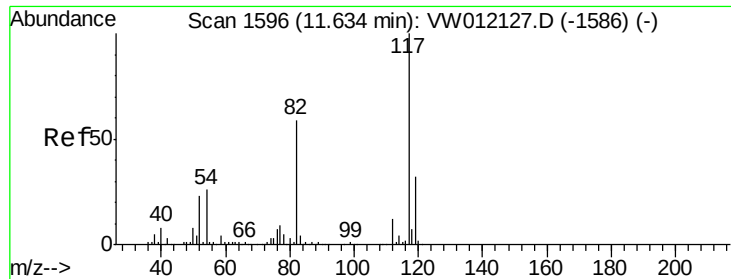
Ion Ratio Lower Upper

95 100

174 76.4 0.0 150.8

176 74.6 0.0 148.6





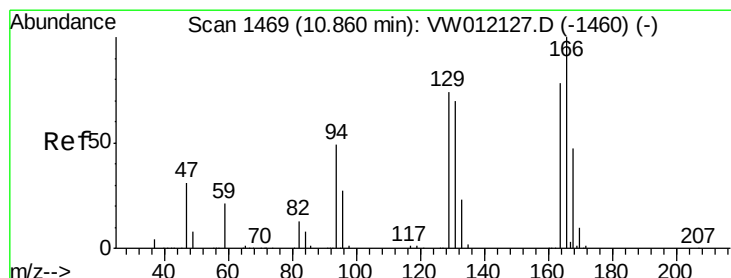
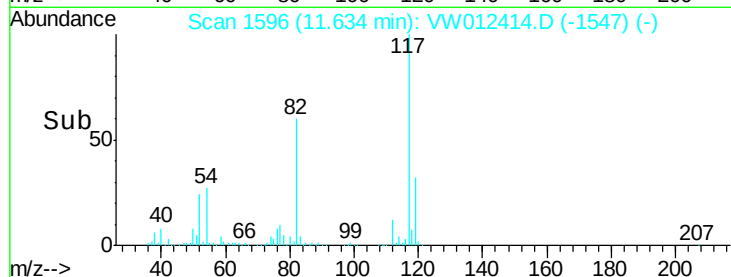
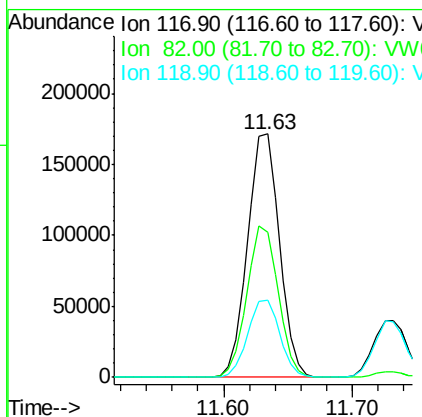
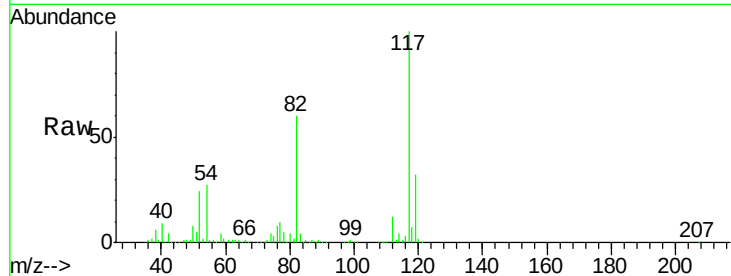
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1596
Delta R.T. -0.00 min
Lab File: VW012414.D
Acq: 31 Aug 2019 22:01

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
117	100	293013		
82	59.8		47.4	71.2
119	31.9		25.4	38.2

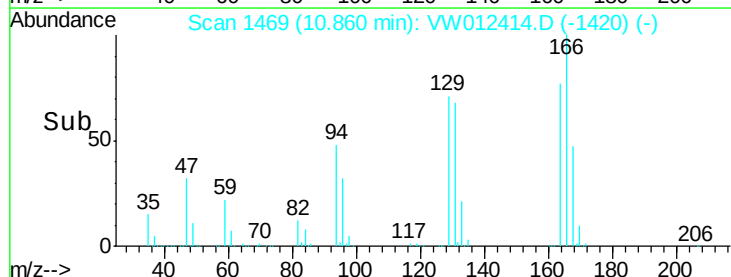
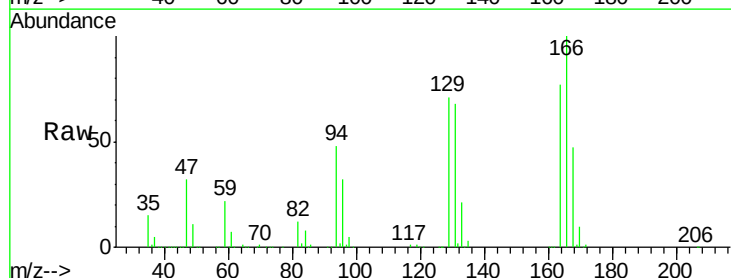
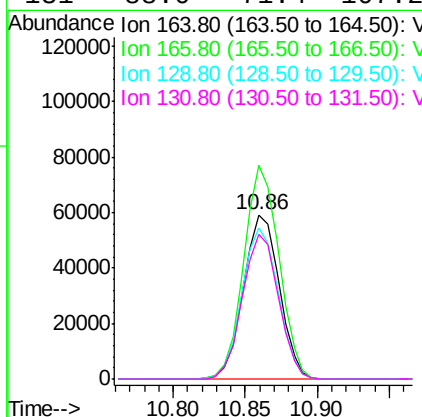
Manual Integrations
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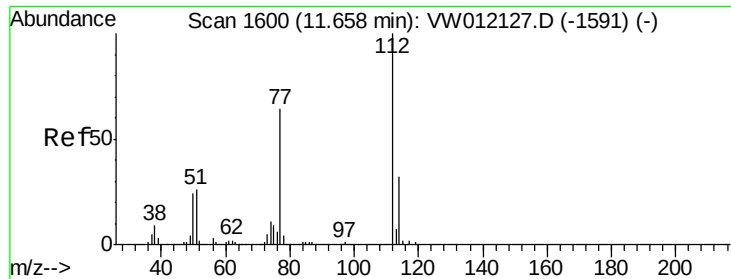
MMDadoda
9/3/2019 2:42:02 AM



#64
Tetrachloroethene
Concen: 53.770 ug/l
RT: 10.86 min Scan# 1469
Delta R.T. -0.00 min
Lab File: VW012414.D
Acq: 31 Aug 2019 22:01

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	102146		
166	130.3		102.4	153.6
129	92.0		75.8	113.6
131	88.0		71.4	107.2





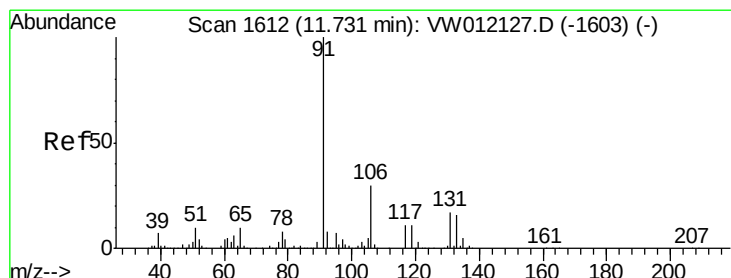
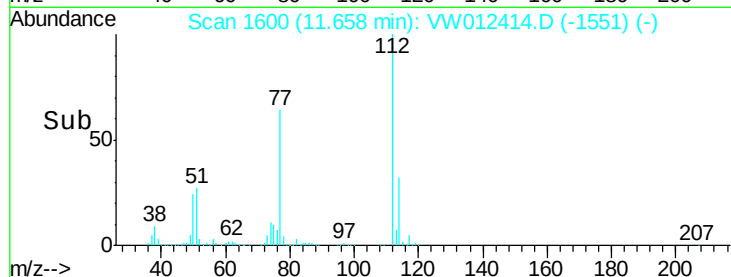
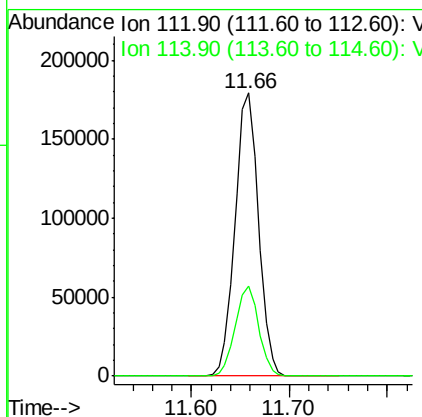
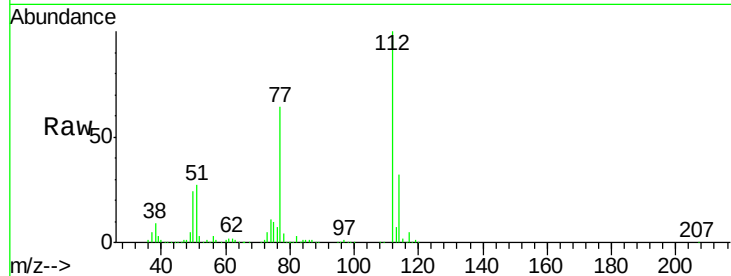
#65
Chlorobenzene
Concen: 51.939 ug/l
RT: 11.66 min Scan# 1600
Delta R.T. -0.00 min
Lab File: VW012414.D
Acq: 31 Aug 2019 22:01

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
112	100		
114	31.8	25.8	38.6

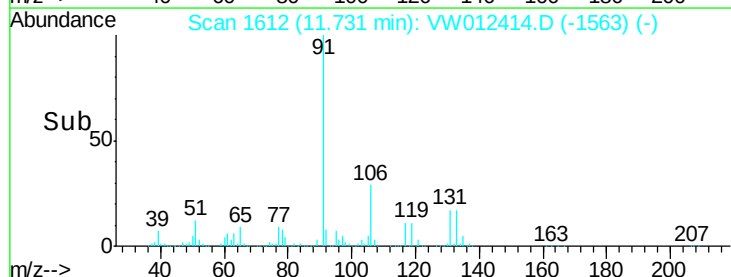
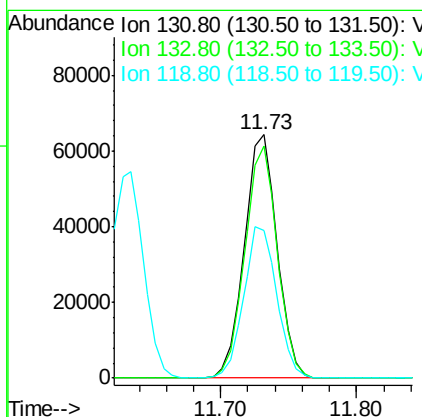
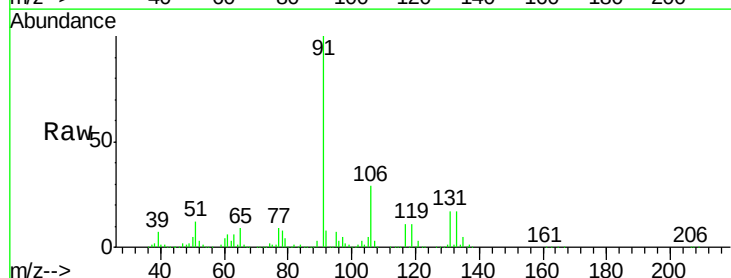
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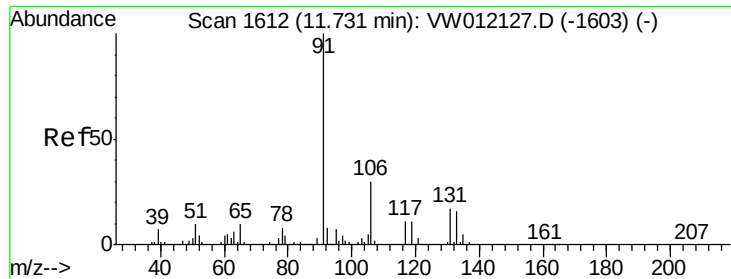
MMDadoda
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#66
1,1,1,2-Tetrachloroethane
Concen: 53.875 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. -0.00 min
Lab File: VW012414.D
Acq: 31 Aug 2019 22:01

Tgt Ion	Ratio	Lower	Upper
131	100		
133	94.5	47.1	141.3
119	62.9	31.8	95.3





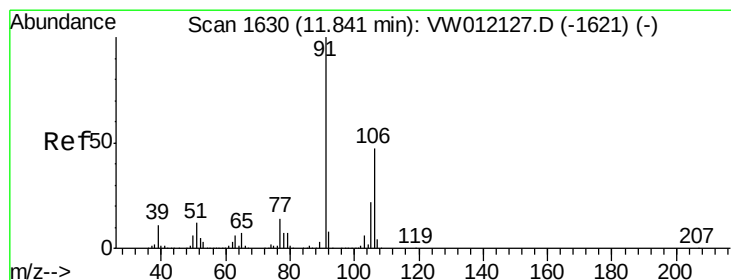
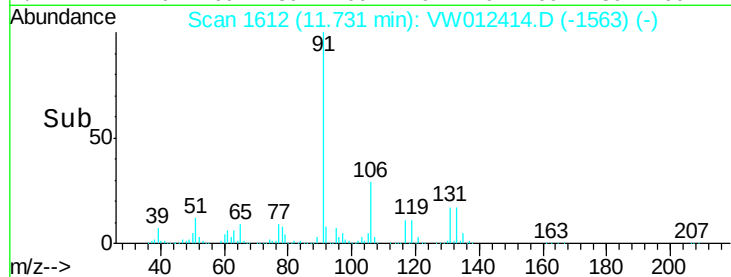
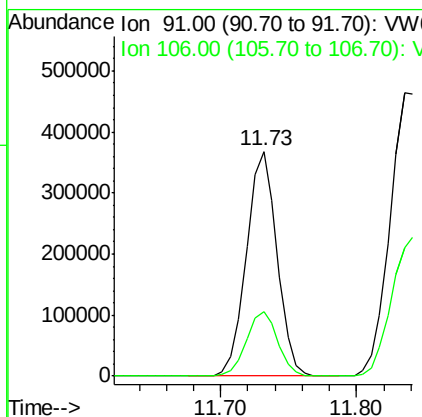
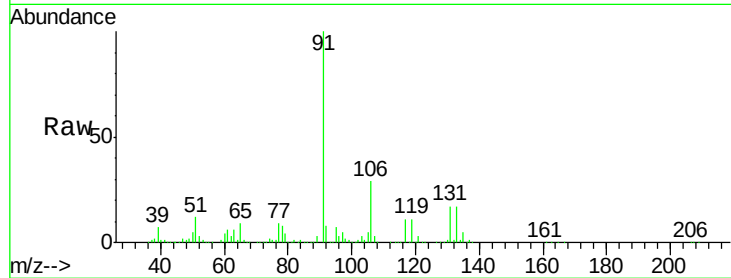
#67
Ethyl Benzene
Concen: 52.144 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. -0.00 min
Lab File: VW012414.D
Acq: 31 Aug 2019 22:01

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion: 91 Resp: 579548
Ion Ratio Lower Upper
91 100
106 28.9 24.3 36.5

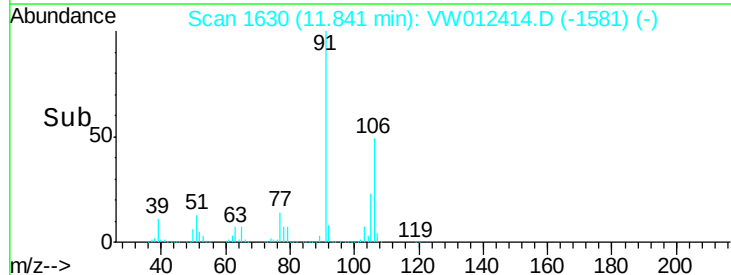
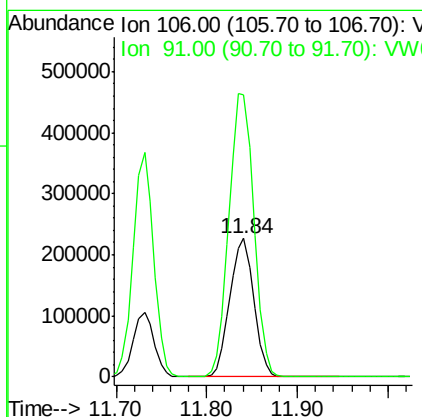
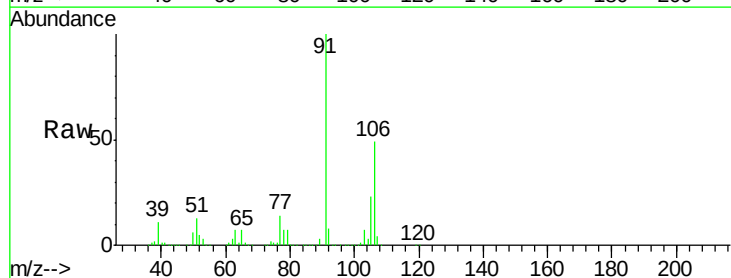
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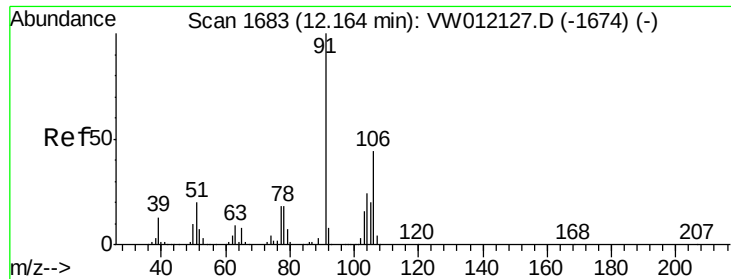
MMDadoda
9/3/2019 2:42:02 AM



#68
m/p-Xylenes
Concen: 103.812 ug/l
RT: 11.84 min Scan# 1630
Delta R.T. -0.00 min
Lab File: VW012414.D
Acq: 31 Aug 2019 22:01

Tgt Ion: 106 Resp: 415610
Ion Ratio Lower Upper
106 100
91 213.0 169.5 254.3





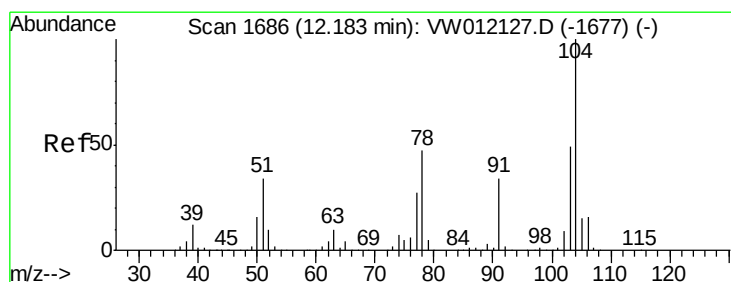
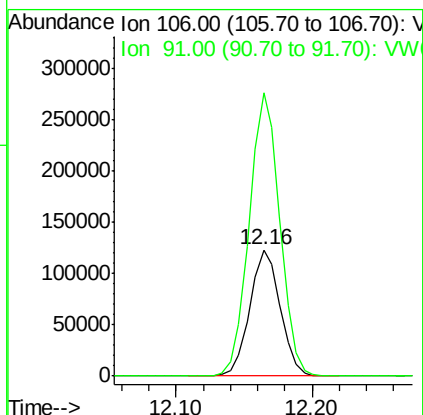
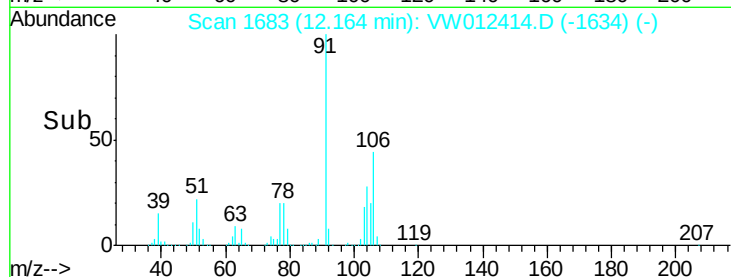
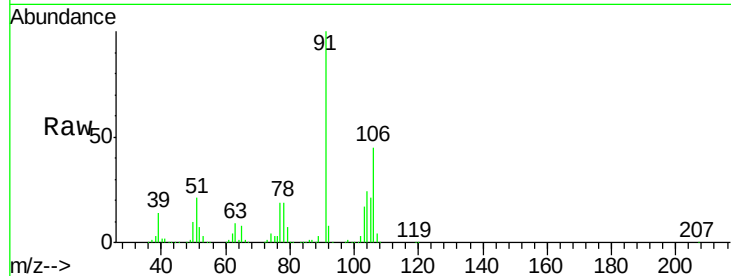
#69
o-Xylene
Concen: 52.292 ug/l
RT: 12.16 min Scan# 1683
Delta R.T. -0.00 min
Lab File: VW012414.D
Acq: 31 Aug 2019 22:01

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
106	100		
91	225.0	111.6	334.6

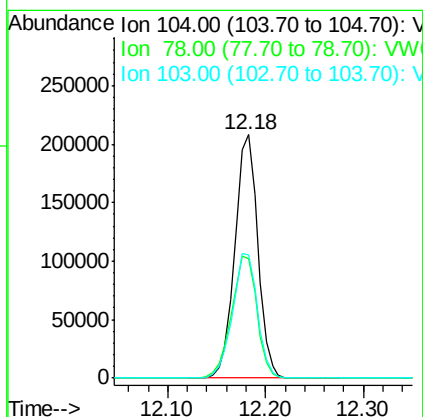
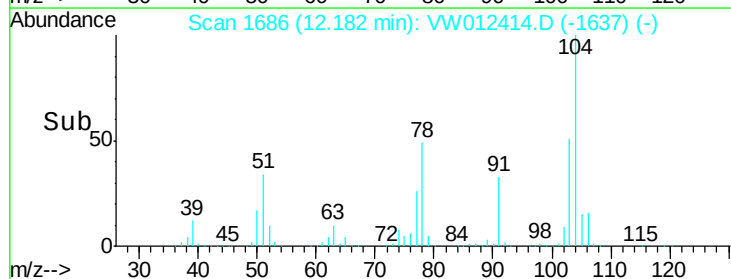
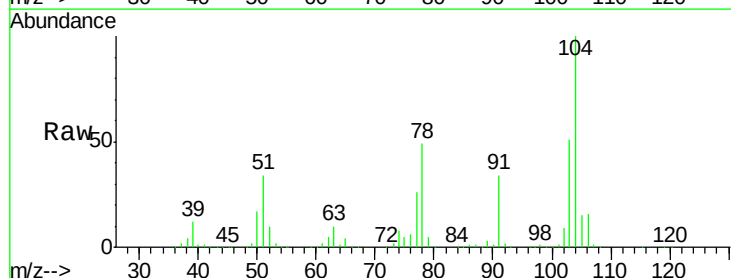
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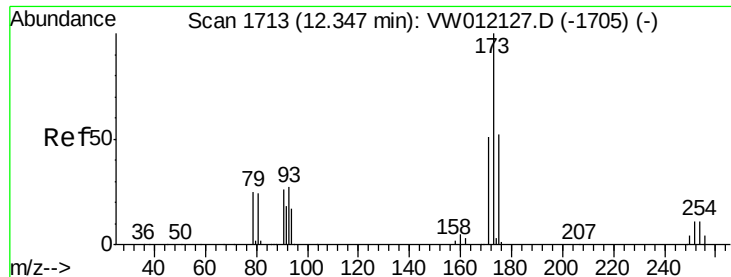
MMDadoda
9/3/2019 2:42:02 AM



#70
Styrene
Concen: 52.908 ug/l
RT: 12.18 min Scan# 1686
Delta R.T. -0.00 min
Lab File: VW012414.D
Acq: 31 Aug 2019 22:01

Tgt Ion	Ratio	Lower	Upper
104	100		
78	55.2	43.1	64.7
103	55.6	43.5	65.3





#71

Bromoform

Concen: 54.911 ug/l

RT: 12.35 min Scan# 1713

Delta R.T. -0.00 min

Lab File: VW012414.D

Acq: 31 Aug 2019 22:01

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

Tot Ion:173 Resp: 55067

Ion Ratio Lower Upper

173 100

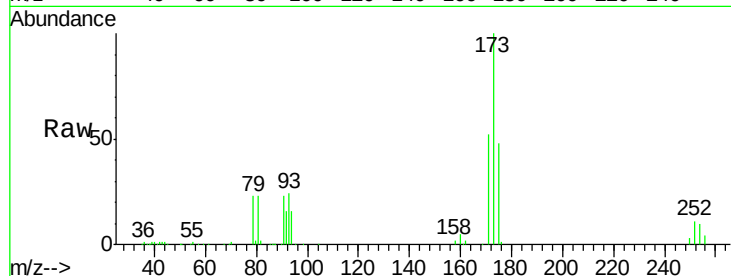
175 48.6 24.6 74.0

254 0.1 0.2 0.2#

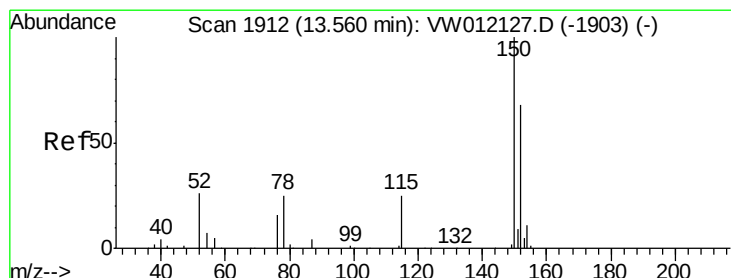
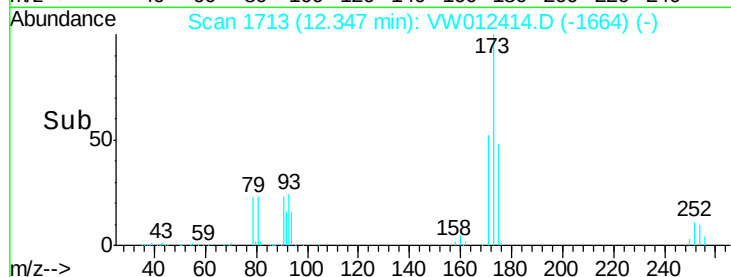
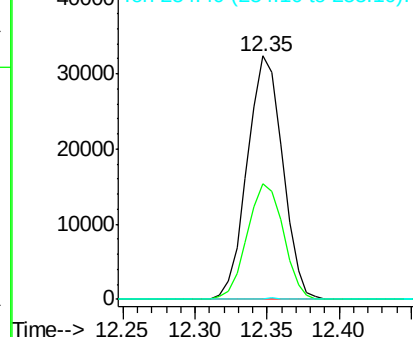
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Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.56 min Scan# 1912

Delta R.T. -0.00 min

Lab File: VW012414.D

Acq: 31 Aug 2019 22:01

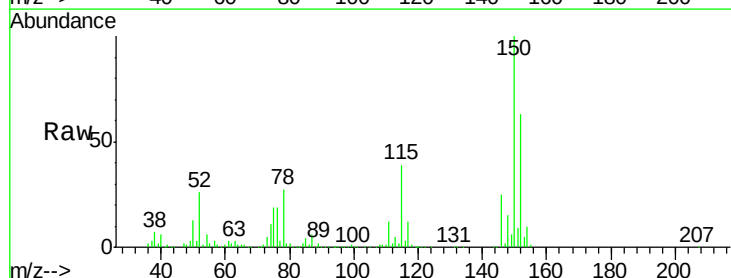
Tgt Ion:152 Resp: 138710

Ion Ratio Lower Upper

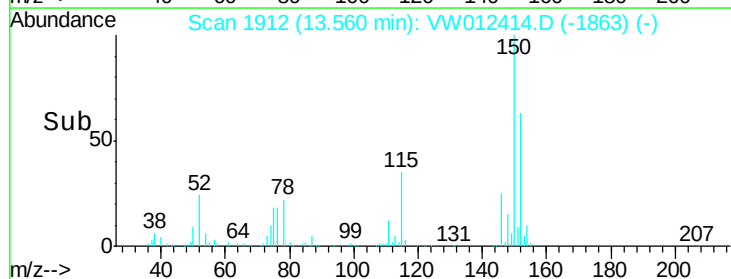
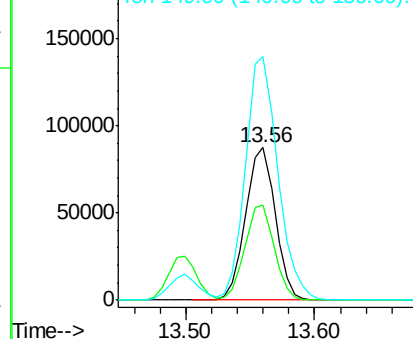
152 100

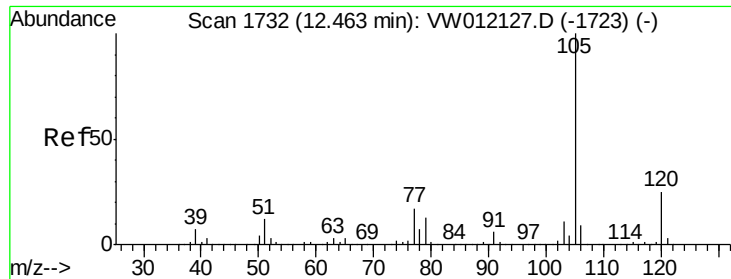
115 61.5 30.1 90.3

150 174.8 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





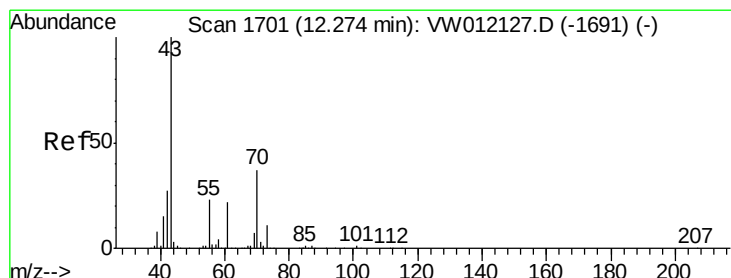
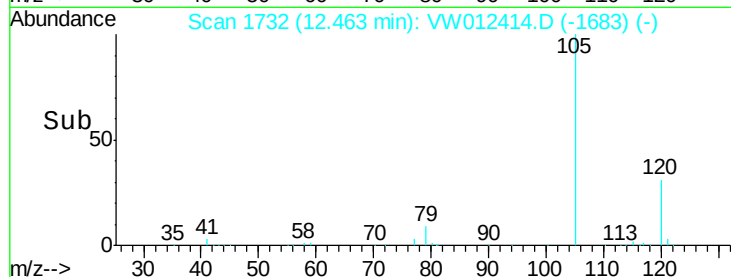
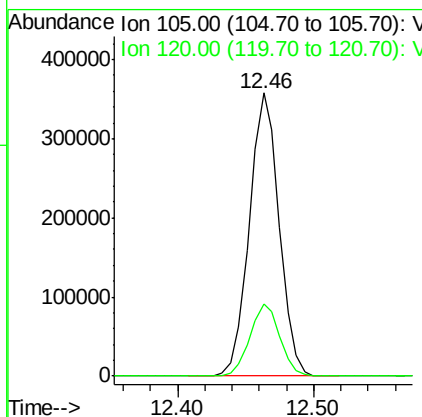
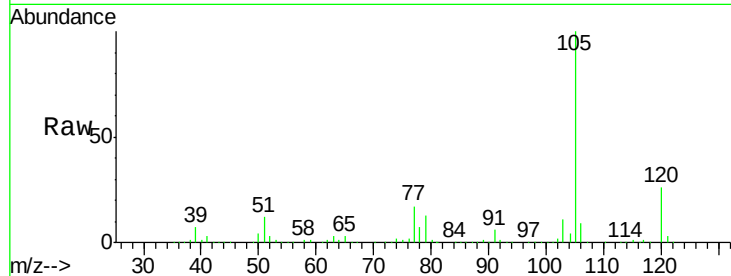
#73
Isopropylbenzene
Concen: 52.779 ug/l
RT: 12.46 min Scan# 1732
Delta R.T. -0.00 min
Lab File: VW012414.D
Acq: 31 Aug 2019 22:01

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
105	100		
120	25.7	12.5	37.5

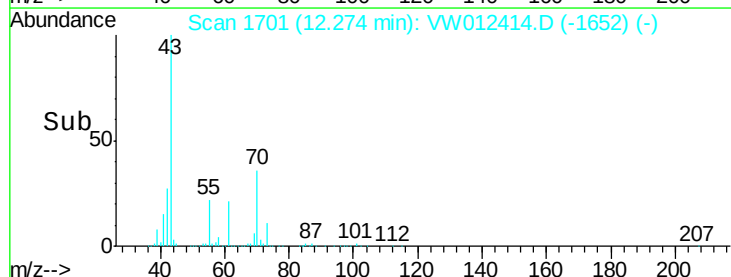
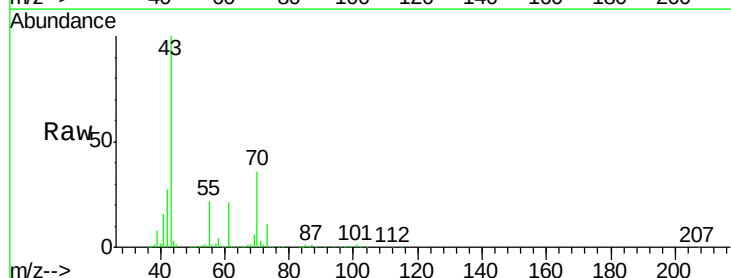
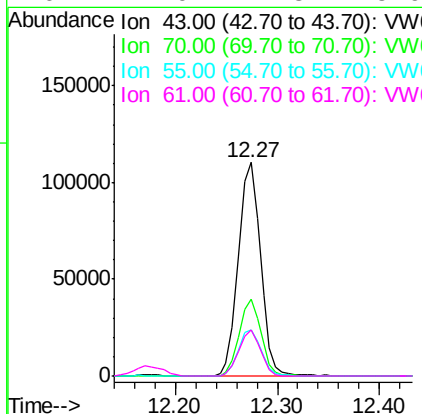
Manual Integrations
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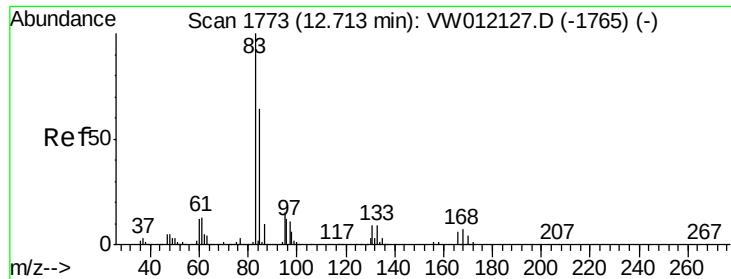
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#74
N-ethyl acetate
Concen: 52.919 ug/l
RT: 12.27 min Scan# 1701
Delta R.T. -0.00 min
Lab File: VW012414.D
Acq: 31 Aug 2019 22:01

Tgt Ion	Ratio	Lower	Upper
43	100		
70	35.3	28.6	43.0
55	22.5	17.8	26.6
61	21.0	17.3	25.9





#75

1,1,2,2-Tetrachloroethane

Concen: 51.808 ug/l

RT: 12.71 min Scan# 1773

Delta R.T. -0.00 min

Lab File: VW012414.D

Acq: 31 Aug 2019 22:01

Instrument :

MSVOA_W

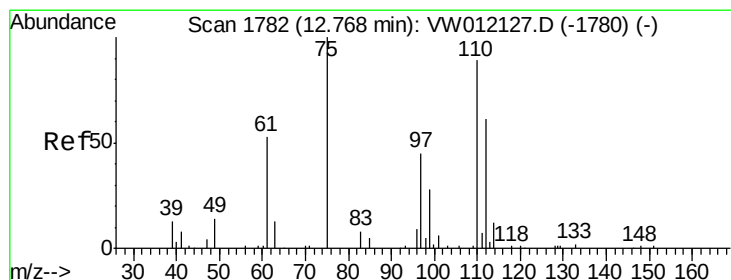
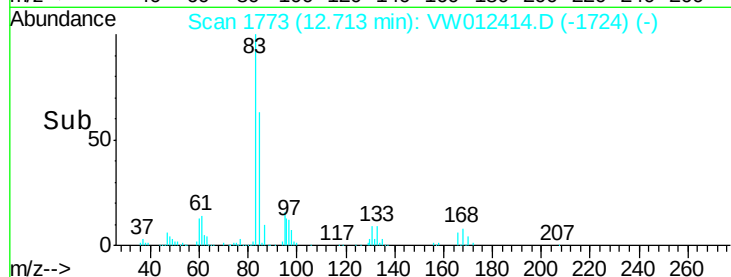
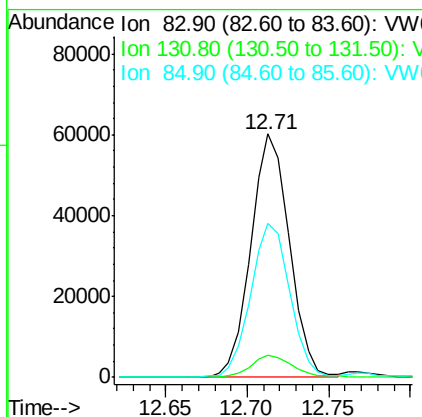
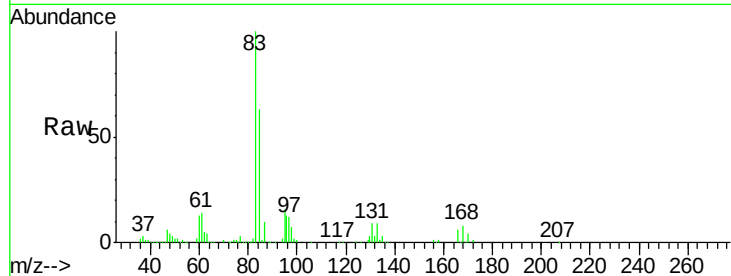
ClientSampleId :

VSTDCCC050

Tot Ion:	83	Resp:	98719
Ion Ratio	Lower	Upper	
83	100		
131	9.8	4.9	14.7
85	64.2	31.9	95.7

Manual Integrations
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#76

1,2,3-Trichloropropane

Concen: 49.704 ug/l m

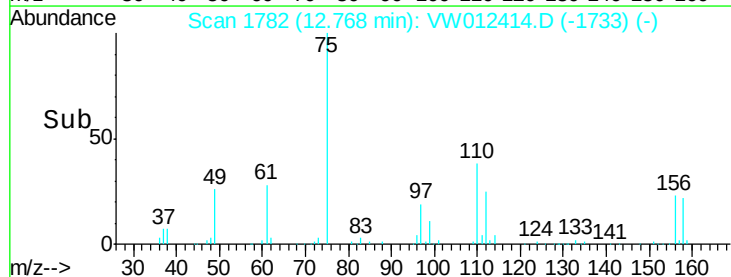
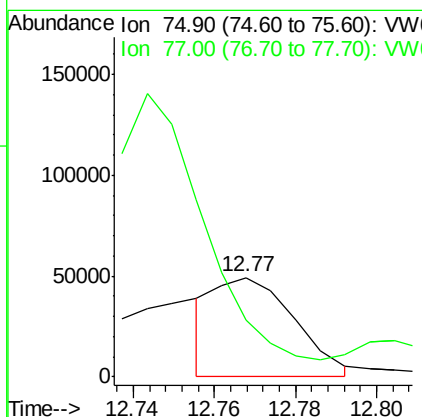
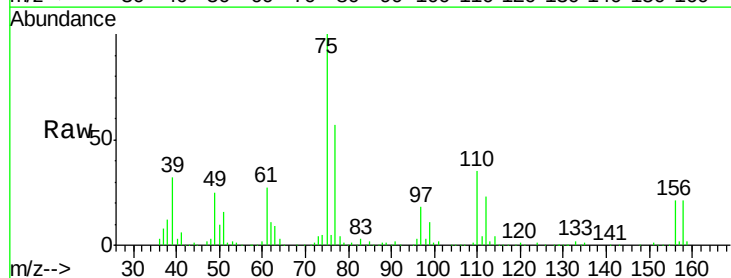
RT: 12.77 min Scan# 1782

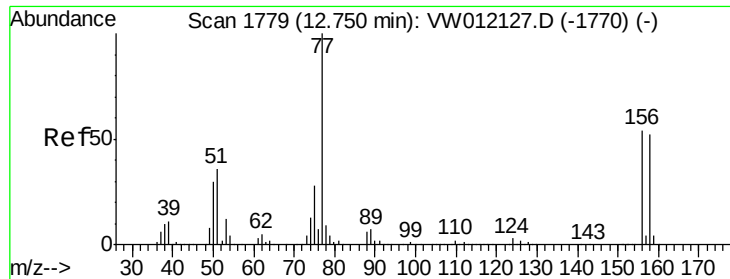
Delta R.T. -0.00 min

Lab File: VW012414.D

Acq: 31 Aug 2019 22:01

Tgt Ion:	75	Resp:	67147
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





#77

Bromobenzene

Concen: 52.783 ug/l

RT: 12.75 min Scan# 1779

Delta R.T. -0.00 min

Lab File: VW012414.D

Acq: 31 Aug 2019 22:01

Instrument :

MSVOA_W

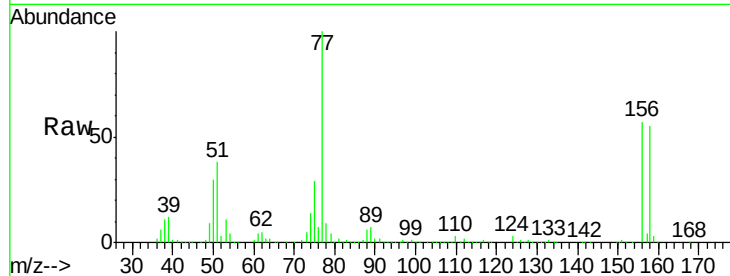
ClientSampleId :

VSTDCCC050

Tot Ion	Ion	Ratio	Lower	Upper
156	100			
77	211.6	107.3	321.8	
158	97.9	49.0	147.0	

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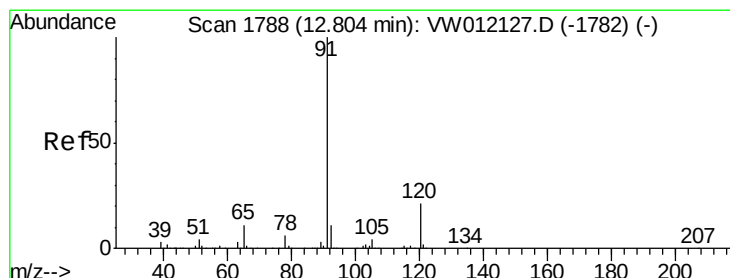
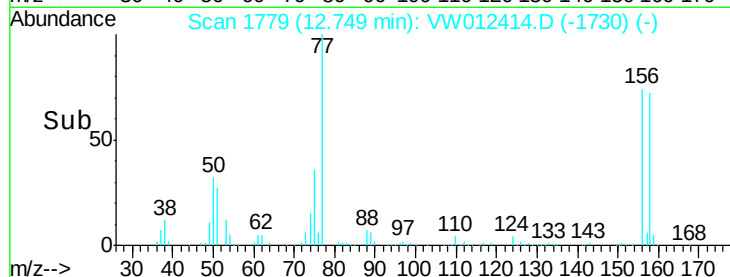
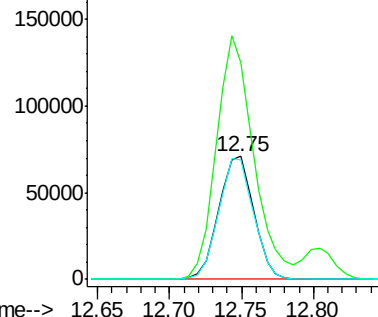
MMDadoda
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Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VW

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 52.146 ug/l

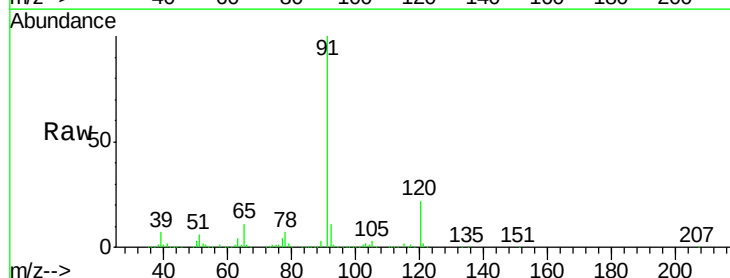
RT: 12.80 min Scan# 1788

Delta R.T. -0.00 min

Lab File: VW012414.D

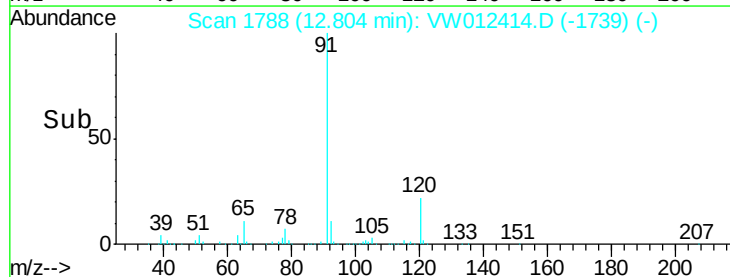
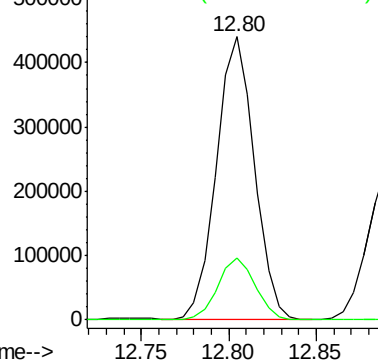
Acq: 31 Aug 2019 22:01

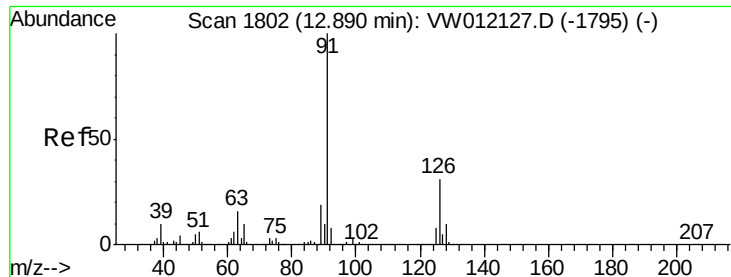
Tgt Ion	Ion	Ratio	Lower	Upper
91	100			
120	21.8	10.5	31.6	



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 52.823 ug/l

RT: 12.89 min Scan# 1802

Delta R.T. -0.00 min

Lab File: VW012414.D

Acq: 31 Aug 2019 22:01

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

Tot Ion: 91 Resp: 380535

Ion Ratio Lower Upper

91 100

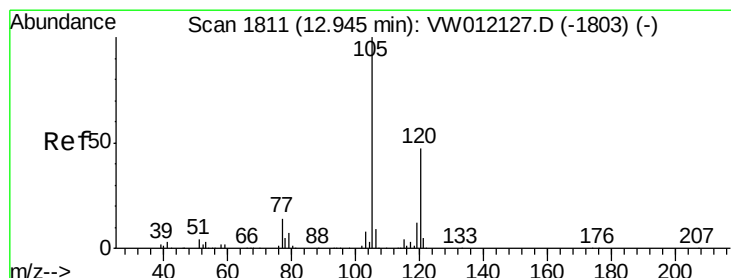
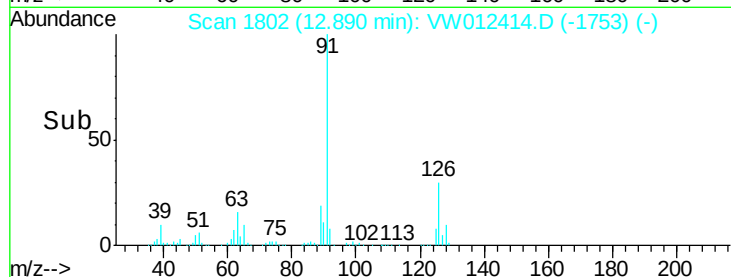
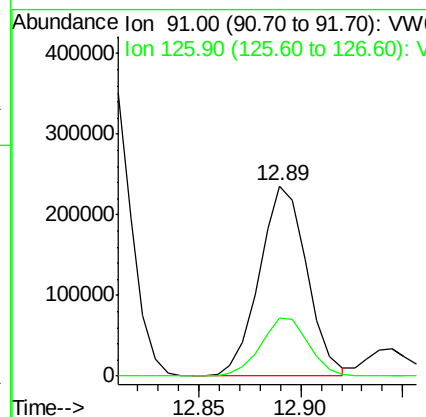
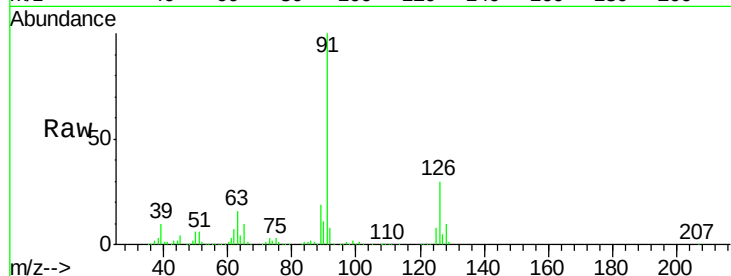
126 31.1 15.7 47.0

Manual Integrations

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#80

1,3,5-Trimethylbenzene

Concen: 53.457 ug/l

RT: 12.94 min Scan# 1811

Delta R.T. -0.00 min

Lab File: VW012414.D

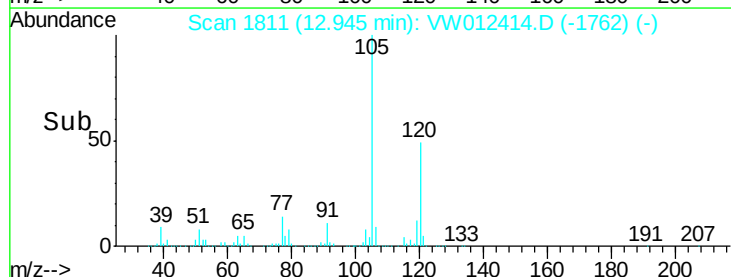
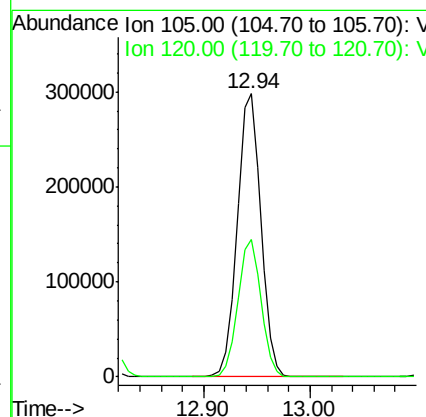
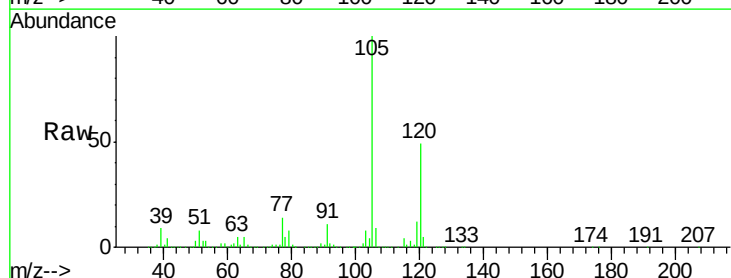
Acq: 31 Aug 2019 22:01

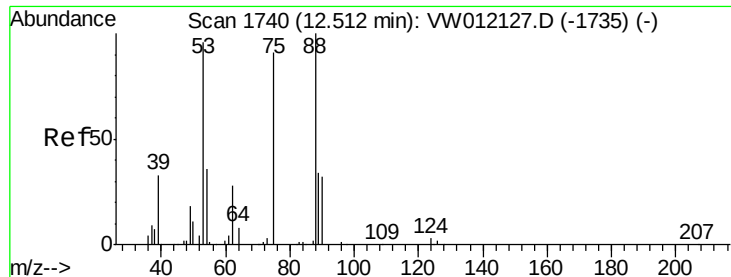
Tgt Ion: 105 Resp: 464276

Ion Ratio Lower Upper

105 100

120 47.7 24.0 72.0





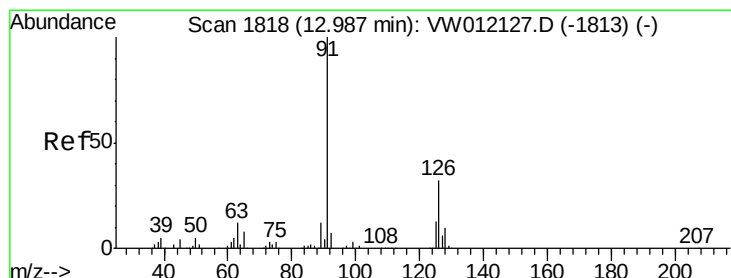
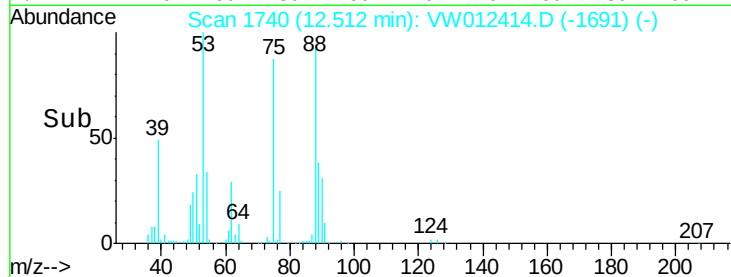
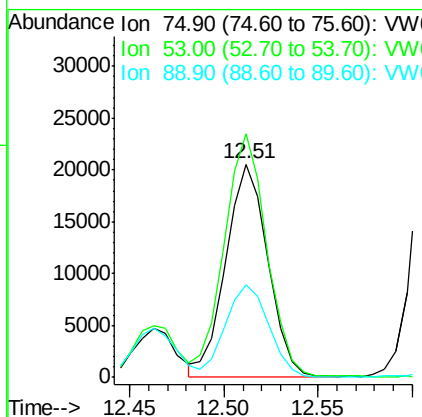
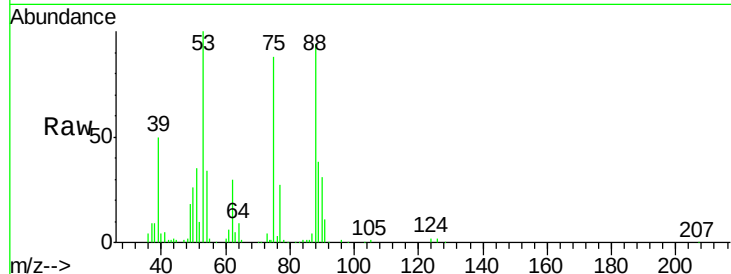
#81
trans-1,4-Dichloro-2-butene
Concen: 51.072 ug/l
RT: 12.51 min Scan# 1740
Delta R.T. -0.00 min
Lab File: VW012414.D
Acq: 31 Aug 2019 22:01

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
75	100		
53	115.7	89.4	134.0
89	45.3	34.5	51.7

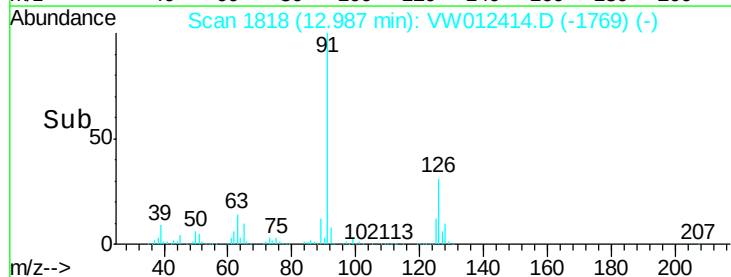
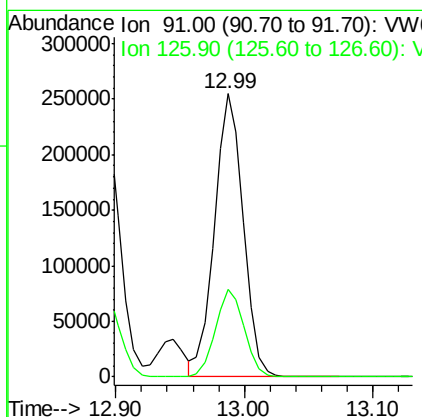
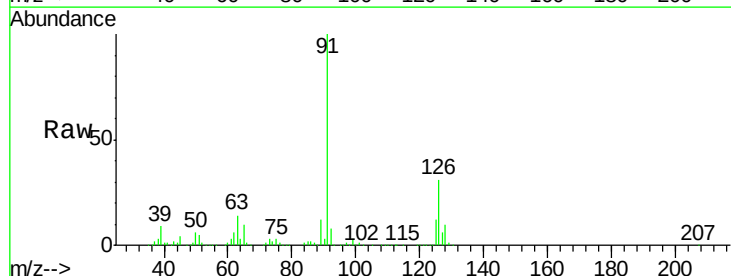
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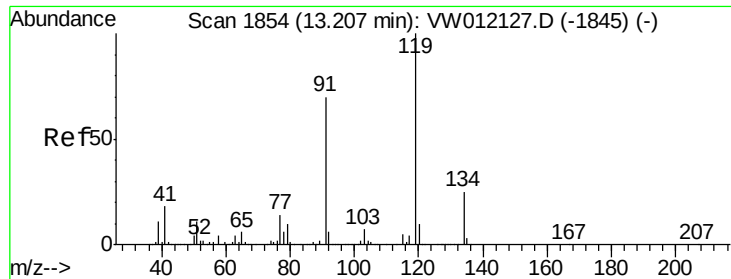
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#82
4-Chlorotoluene
Concen: 52.838 ug/l
RT: 12.99 min Scan# 1818
Delta R.T. -0.00 min
Lab File: VW012414.D
Acq: 31 Aug 2019 22:01

Tgt Ion	Ratio	Lower	Upper
91	100		
126	31.0	15.6	46.8





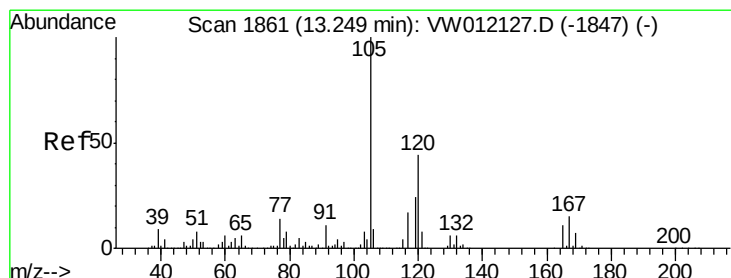
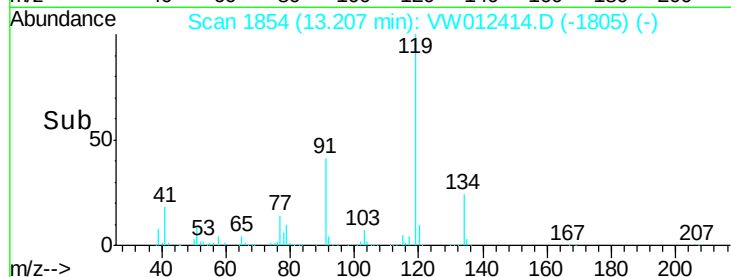
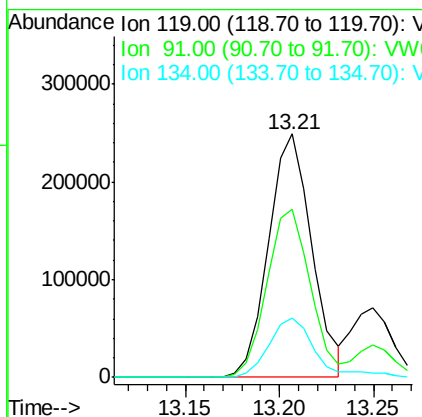
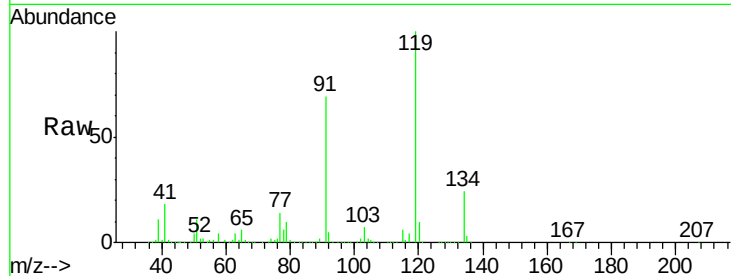
#83
 tert-Butylbenzene
 Concen: 53.933 ug/l
 RT: 13.21 min Scan# 1854
 Delta R.T. -0.00 min
 Lab File: VW012414.D
 Acq: 31 Aug 2019 22:01

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
119	100	396781		
91	69.2	34.8	104.3	
134	26.3	13.3	39.8	

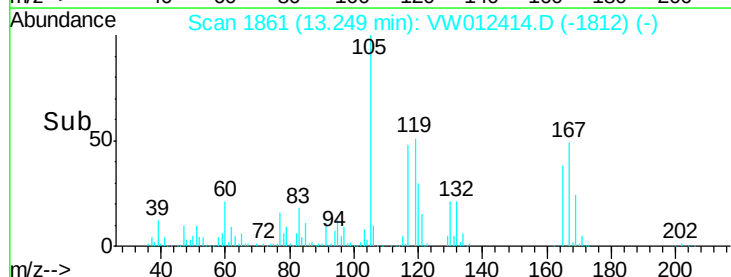
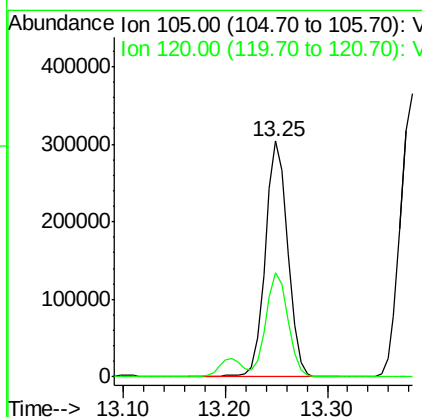
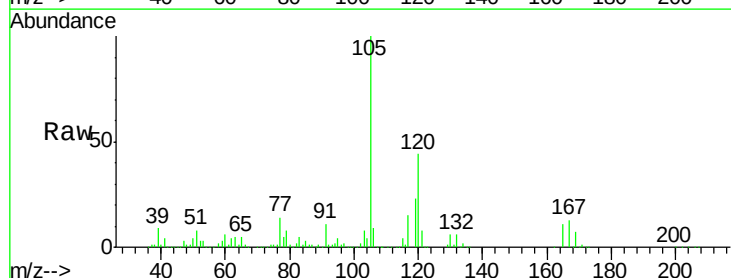
Manual Integrations
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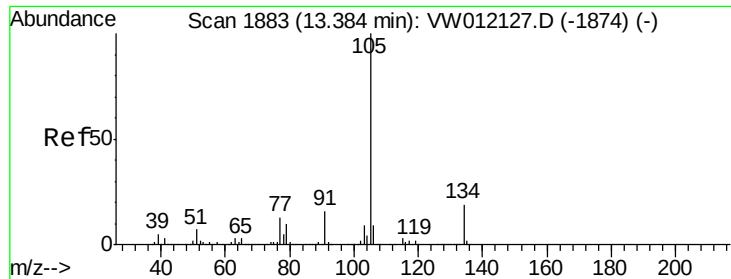
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#84
 1,2,4-Trimethylbenzene
 Concen: 53.089 ug/l
 RT: 13.25 min Scan# 1861
 Delta R.T. -0.00 min
 Lab File: VW012414.D
 Acq: 31 Aug 2019 22:01

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	463164		
120	43.2	21.9	65.7	





#85

sec-Butylbenzene

Concen: 52.589 ug/l

RT: 13.38 min Scan# 1883

Delta R.T. -0.00 min

Lab File: VW012414.D

Acq: 31 Aug 2019 22:01

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

Tot Ion:105 Resp: 554288

Ion Ratio Lower Upper

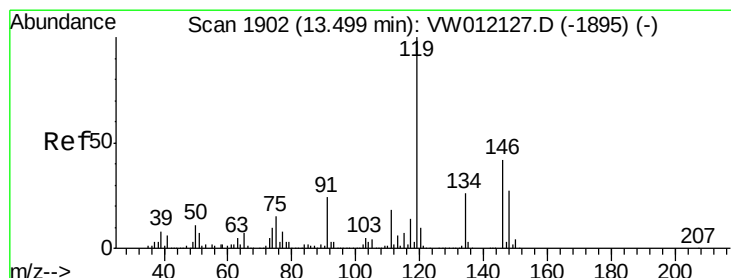
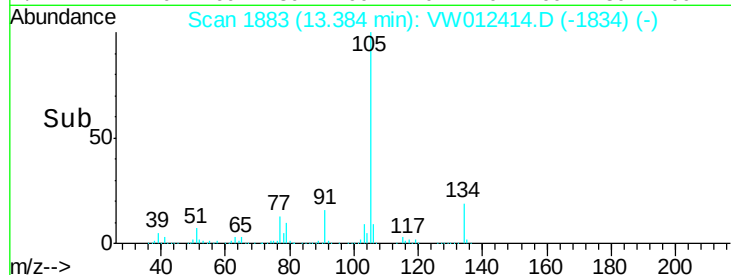
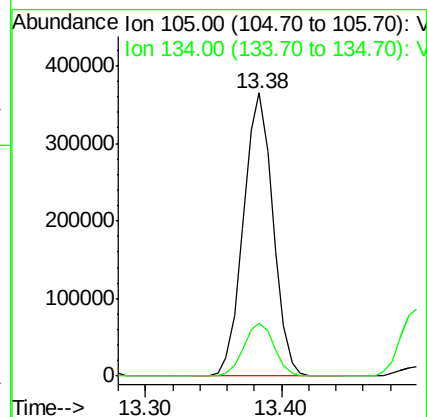
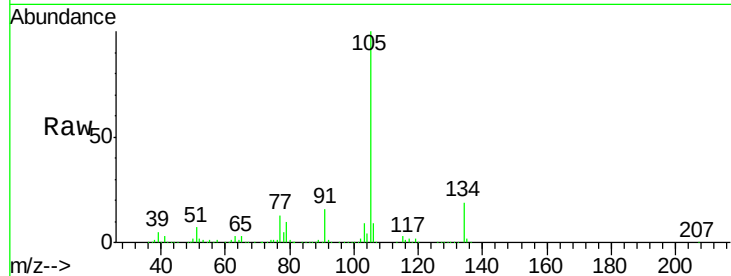
105 100

134 19.3 9.8 29.4

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#86

p-Isopropyltoluene

Concen: 52.916 ug/l

RT: 13.50 min Scan# 1902

Delta R.T. -0.00 min

Lab File: VW012414.D

Acq: 31 Aug 2019 22:01

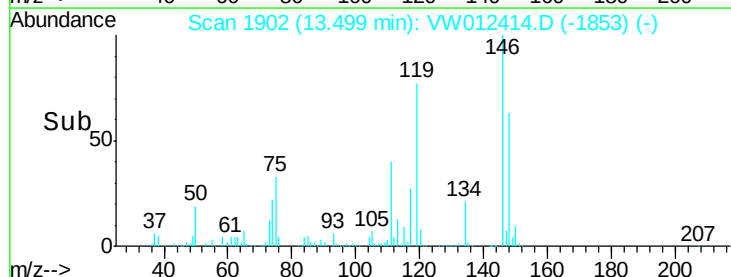
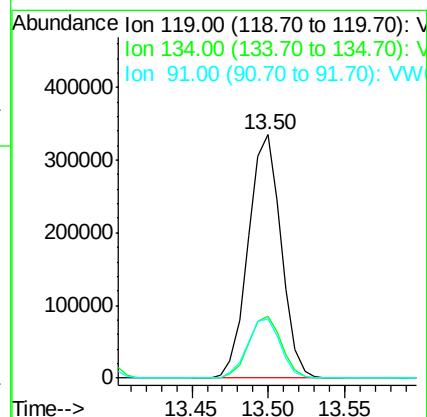
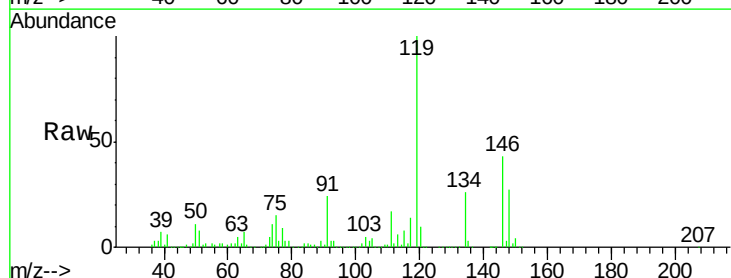
Tgt Ion:119 Resp: 498096

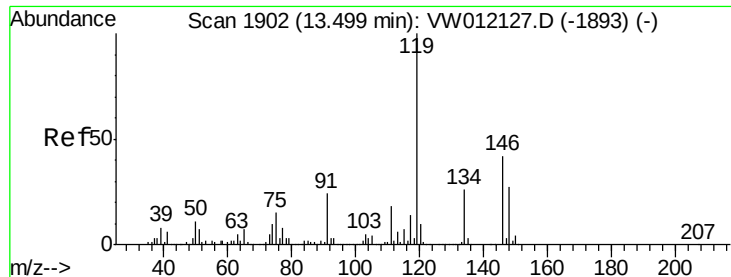
Ion Ratio Lower Upper

119 100

134 25.4 12.8 38.3

91 24.8 12.3 36.9





#87

1,3-Dichlorobenzene

Concen: 52.199 ug/l

RT: 13.50 min Scan# 1902

Delta R.T. -0.00 min

Lab File: VW012414.D

Acq: 31 Aug 2019 22:01

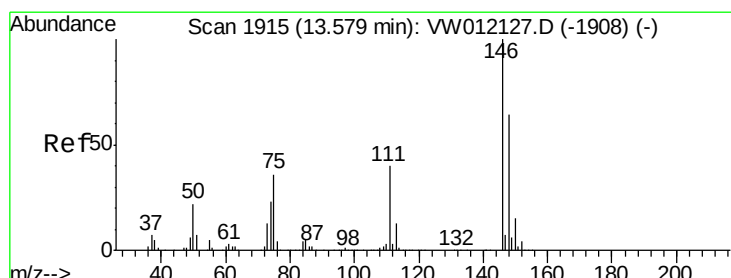
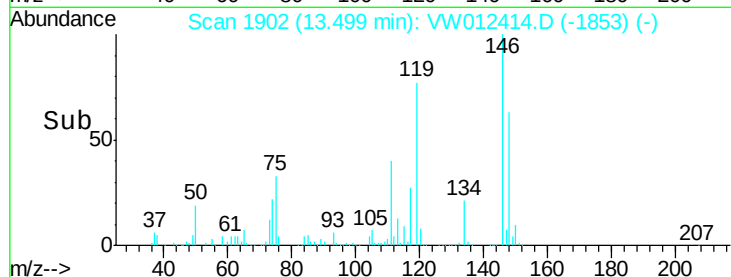
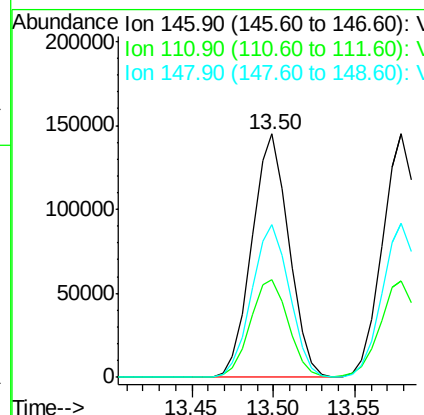
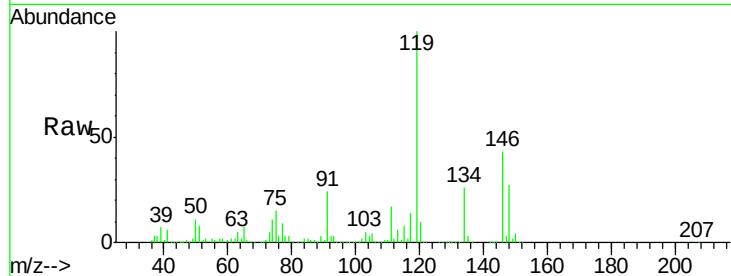
Instrument :
MSVOA_W

ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
146	100	229578		
111	41.3	20.9	62.7	
148	63.8	32.2	96.6	

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#88

1,4-Dichlorobenzene

Concen: 51.682 ug/l

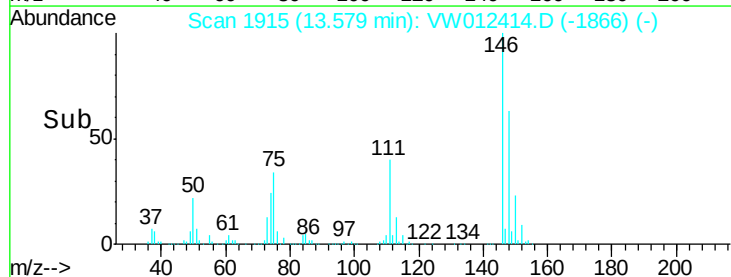
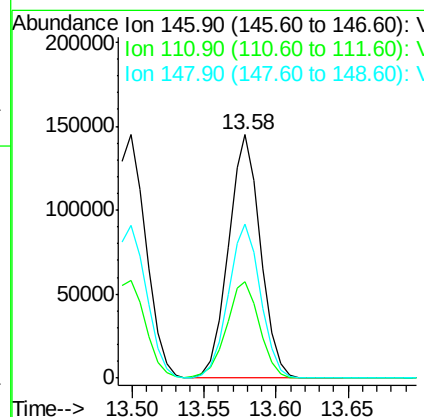
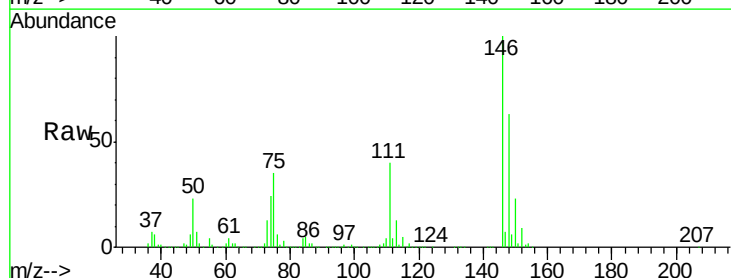
RT: 13.58 min Scan# 1915

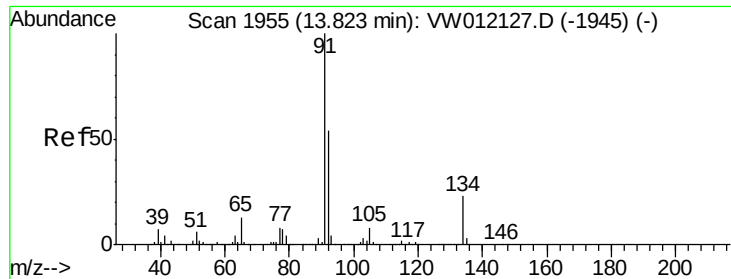
Delta R.T. -0.00 min

Lab File: VW012414.D

Acq: 31 Aug 2019 22:01

Tgt Ion	Ratio	Resp	Lower	Upper
146	100	225695		
111	41.0	20.0	60.0	
148	64.0	32.1	96.3	





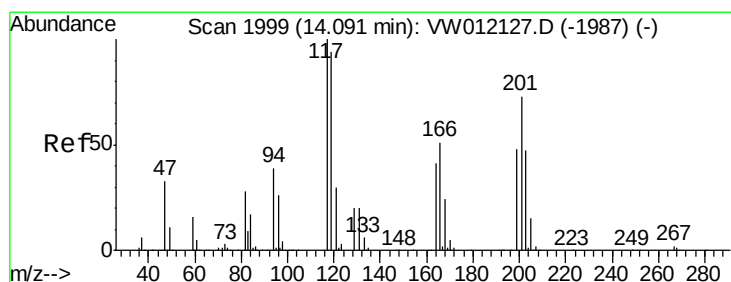
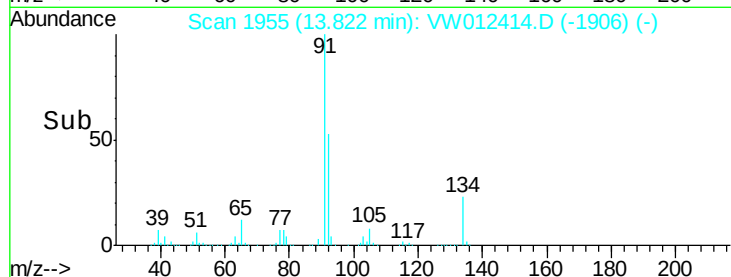
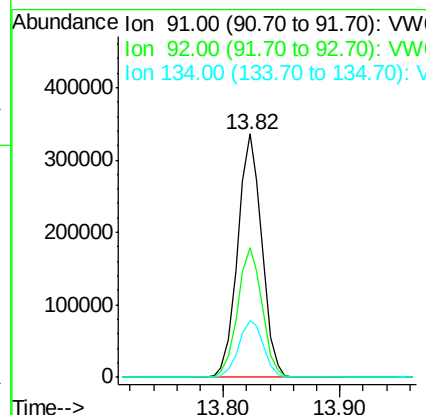
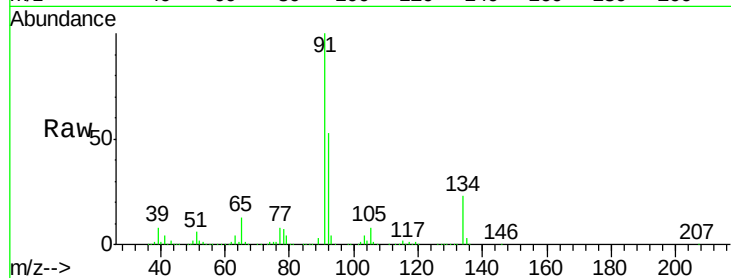
#89
n-Butylbenzene
Concen: 51.784 ug/l
RT: 13.82 min Scan# 1955
Delta R.T. -0.00 min
Lab File: VW012414.D
Acq: 31 Aug 2019 22:01

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
91	100		
92	53.9	27.1	81.2
134	24.0	12.2	36.4

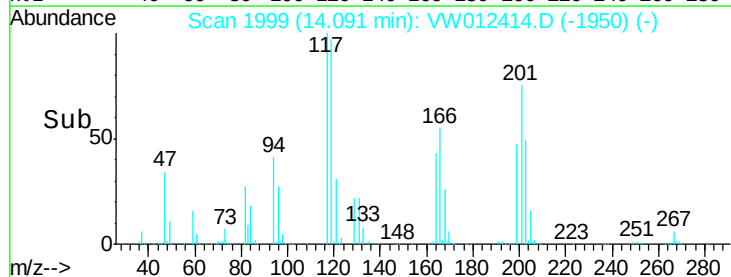
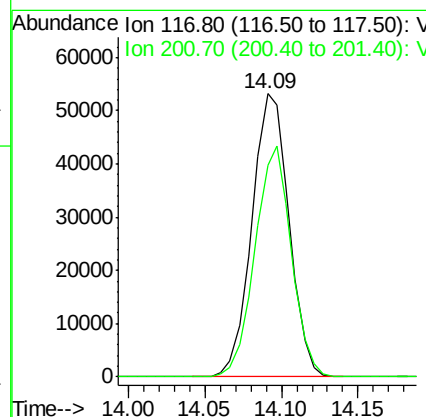
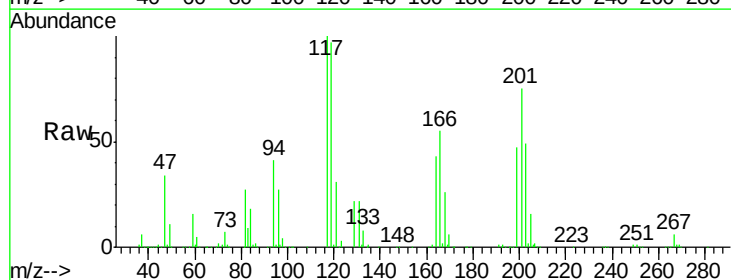
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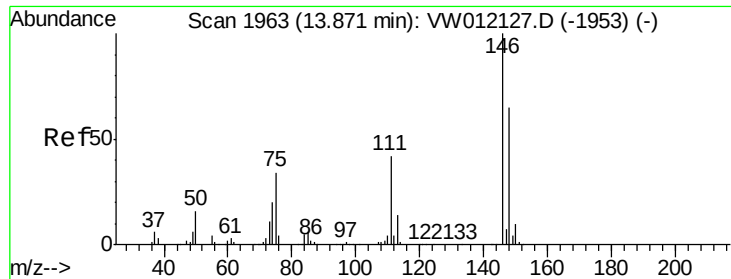
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#90
Hexachloroethane
Concen: 54.248 ug/l
RT: 14.09 min Scan# 1999
Delta R.T. -0.00 min
Lab File: VW012414.D
Acq: 31 Aug 2019 22:01

Tgt Ion	Ratio	Lower	Upper
117	100		
201	80.0	38.6	115.7





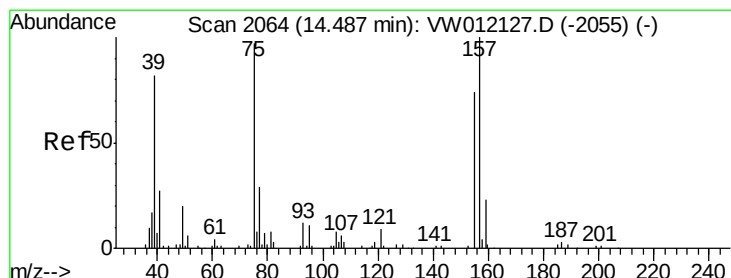
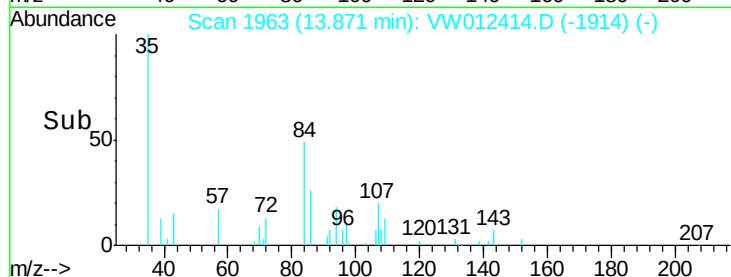
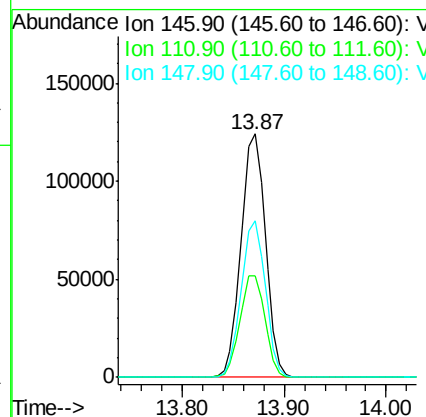
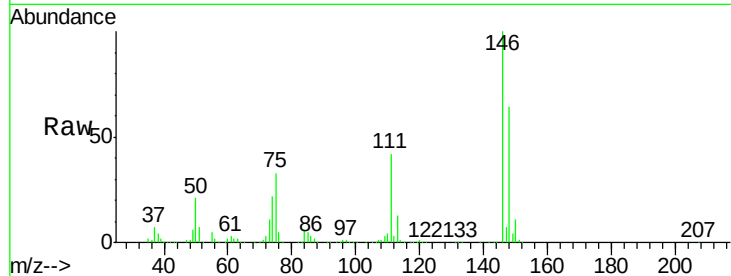
#91
 1,2-Dichlorobenzene
 Concen: 53.354 ug/l
 RT: 13.87 min Scan# 1963
 Delta R.T. -0.00 min
 Lab File: VW012414.D
 Acq: 31 Aug 2019 22:01

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
146	100	205855		
111	42.8	21.2	63.6	
148	63.7	32.5	97.4	

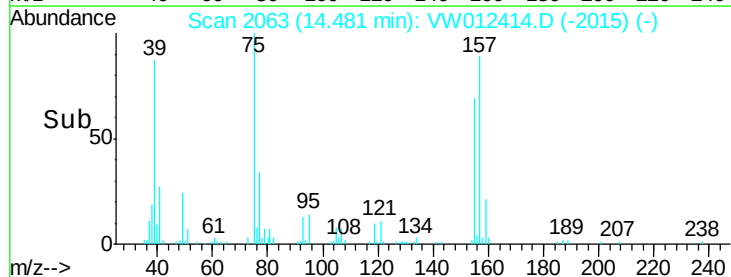
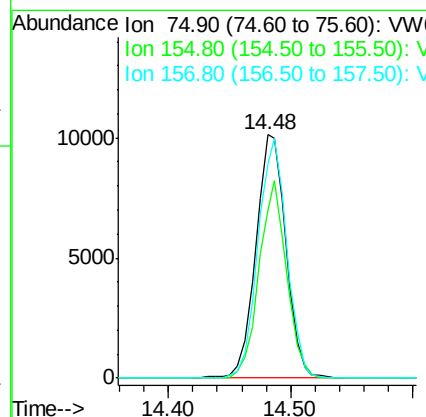
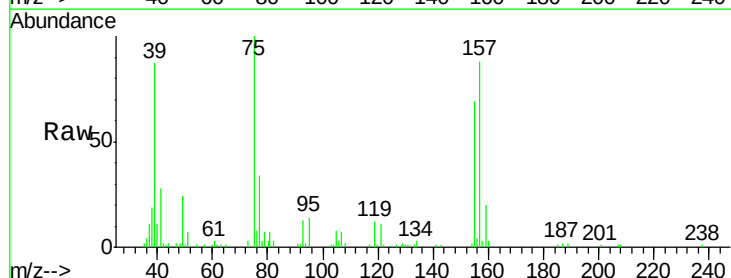
Manual Integrations
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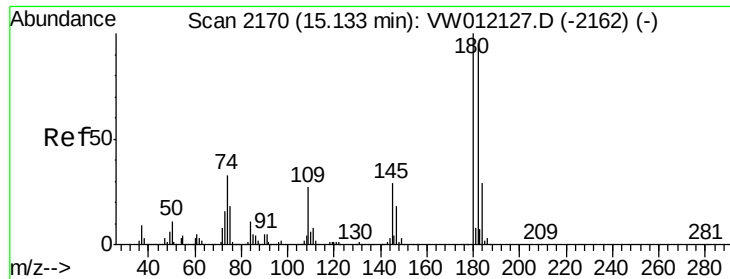
MMDadoda
 9/3/2019 2:42:02 AM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 54.232 ug/l
 RT: 14.48 min Scan# 2063
 Delta R.T. -0.01 min
 Lab File: VW012414.D
 Acq: 31 Aug 2019 22:01

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	17421		
155	73.6	37.5	112.3	
157	94.0	50.5	151.5	





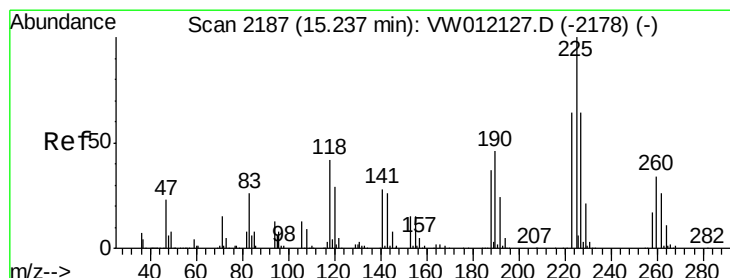
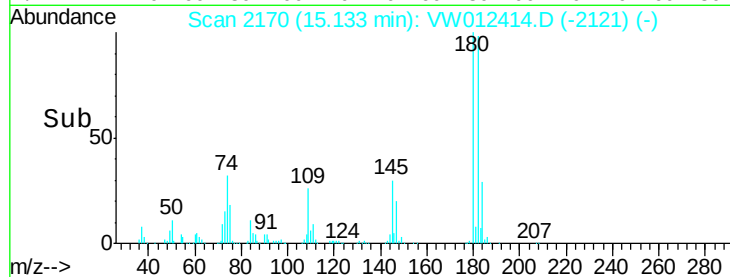
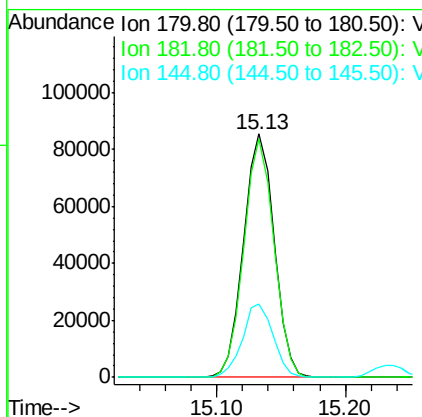
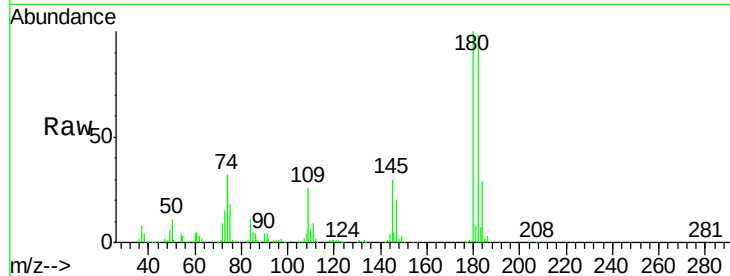
#93
 1,2,4-Trichlorobenzene
 Concen: 52.678 ug/l
 RT: 15.13 min Scan# 2170
 Delta R.T. -0.00 min
 Lab File: VW012414.D
 Acq: 31 Aug 2019 22:01

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
180	100	140456		
182	96.2	47.8	143.4	
145	30.3	15.0	45.1	

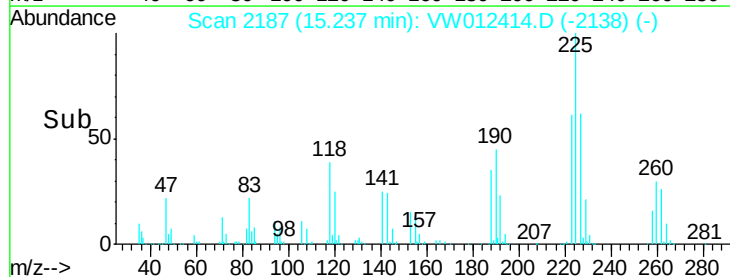
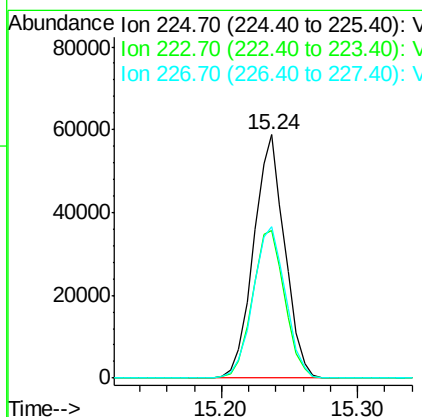
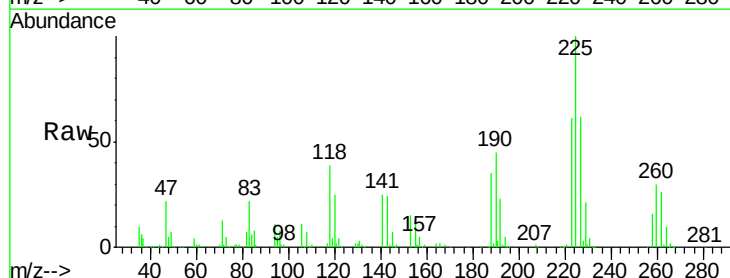
Manual Integrations
 APPROVED

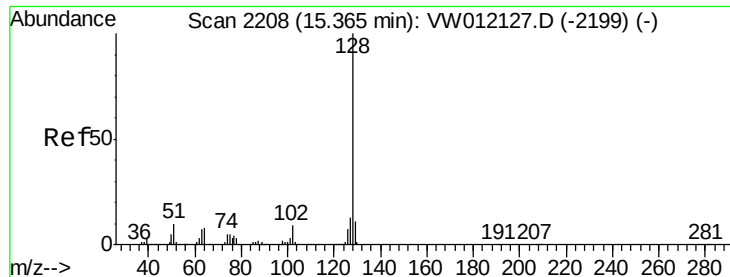
MMDadoda
 9/3/2019 2:42:02 AM



#94
 Hexachlorobutadiene
 Concen: 53.402 ug/l
 RT: 15.24 min Scan# 2187
 Delta R.T. -0.00 min
 Lab File: VW012414.D
 Acq: 31 Aug 2019 22:01

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	94018		
223	63.2	32.3	96.8	
227	64.9	32.9	98.6	





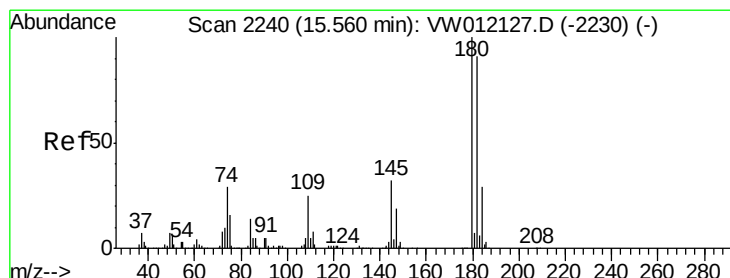
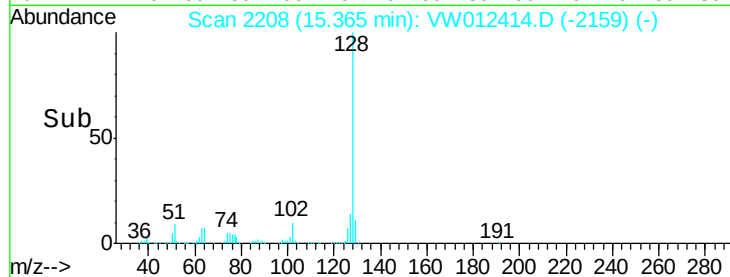
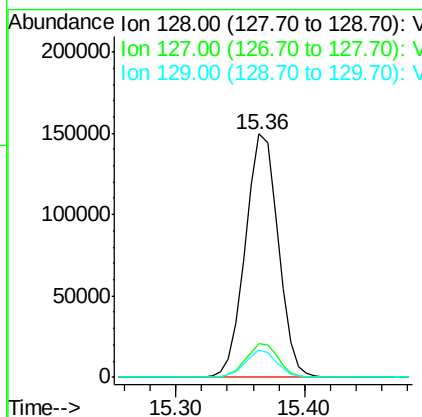
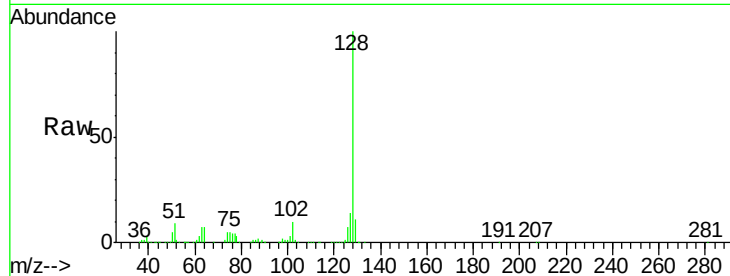
#95
Naphthalene
Concen: 50.255 ug/l
RT: 15.36 min Scan# 2208
Delta R.T. 0.00 min
Lab File: VW012414.D
Acq: 31 Aug 2019 22:01

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
128	100		
127	13.6	10.7	16.1
129	10.7	8.7	13.1

Manual Integrations
APPROVED

MMDadoda
9/3/2019 2:42:02 AM



#96
1,2,3-Trichlorobenzene
Concen: 54.792 ug/l
RT: 15.55 min Scan# 2239
Delta R.T. -0.01 min
Lab File: VW012414.D
Acq: 31 Aug 2019 22:01

Tgt Ion	Ratio	Lower	Upper
180	100		
182	95.1	47.1	141.3
145	31.2	16.2	48.5

