

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW083119\
 Data File : VW012388.D
 Acq On : 31 Aug 2019 09:41
 Operator : SY/VA
 Sample : VSTDCCC050
 Misc : 5.00G/5ML/MSVOA W/SOIL
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

MMDadoda
 9/3/2019 2:42:05 AM

Quant Time: Aug 31 17:22:24 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	224905	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	347177	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	306201	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	147727	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.31	65	130911	48.96	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.92%	
35) Dibromofluoromethane	7.88	113	105677	50.99	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.98%	
50) Toluene-d8	10.32	98	424997	50.58	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.16%	
62) 4-Bromofluorobenzene	12.62	95	150565	50.83	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.66%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.01	85	81537	58.879	ug/l	100
3) Chloromethane	2.21	50	120709	56.262	ug/l	99
4) Vinyl Chloride	2.36	62	148393	56.509	ug/l	99
5) Bromomethane	2.72	94	61991	46.613	ug/l	95
6) Chloroethane	2.88	64	84752	57.212	ug/l	98
7) Trichlorofluoromethane	3.24	101	84392	64.002	ug/l	97
8) Diethyl Ether	3.68	74	64301	51.375	ug/l	97
9) 1,1,2-Trichlorotrifluoroet	4.06	101	124945	55.746	ug/l	99
10) Methyl Iodide	4.26	142	168619	55.602	ug/l	99
11) Tert butyl alcohol	5.17	59	44681	277.704	ug/l	99
12) 1,1-Dichloroethene	4.03	96	122583	54.339	ug/l	96
13) Acrolein	3.89	56	35290	233.010	ug/l	98
14) Allyl chloride	4.66	41	268728	55.720	ug/l	99
15) Acrylonitrile	5.36	53	165902	267.426	ug/l	99
16) Acetone	4.12	43	167955	245.756	ug/l	98
17) Carbon Disulfide	4.37	76	355672	52.168	ug/l	100
18) Methyl Acetate	4.66	43	84936	50.177	ug/l	99
19) Methyl tert-butyl Ether	5.42	73	212899	58.358	ug/l	100
20) Methylene Chloride	4.91	84	132944	51.457	ug/l	97
21) trans-1,2-Dichloroethene	5.42	96	131097	54.192	ug/l	99
22) Diisopropyl ether	6.31	45	495815	55.463	ug/l	98
23) Vinyl Acetate	6.25	43	1509787	274.432	ug/l	100
24) 1,1-Dichloroethane	6.21	63	267108	54.877	ug/l	99
25) 2-Butanone	7.17	43	231720	249.513	ug/l	100
26) 2,2-Dichloropropane	7.17	77	156574	56.833	ug/l	100
27) cis-1,2-Dichloroethene	7.17	96	140190	54.240	ug/l	97
28) Bromochloromethane	7.51	49	103940	48.995	ug/l	98
29) Tetrahydrofuran	7.52	42	150123	269.436	ug/l	99
30) Chloroform	7.67	83	247491	55.576	ug/l	96
31) Cyclohexane	7.95	56	246212	51.127	ug/l	97
32) 1,1,1-Trichloroethane	7.87	97	203628	57.803	ug/l	99
36) 1,1-Dichloropropene	8.08	75	205276	57.217	ug/l	99
37) Ethyl Acetate	7.25	43	102923	52.352	ug/l	99
38) Carbon Tetrachloride	8.07	117	185132	59.620	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.34	83	227462	56.436	ug/l	99
40) Benzene	8.32	78	550450	56.189	ug/l	99
41) Methacrylonitrile	7.48	41	65760	56.911	ug/l	97
42) 1,2-Dichloroethane	8.40	62	174454	56.820	ug/l	100
43) Isopropyl Acetate	8.42	43	196089	53.846	ug/l	100
44) Trichloroethene	9.09	130	135183	56.765	ug/l	95
45) 1,2-Dichloropropane	9.37	63	145666	55.250	ug/l	99
46) Dibromomethane	9.46	93	65760	56.059	ug/l	98
47) Bromodichloromethane	9.64	83	179385	57.458	ug/l	98
48) Methyl methacrylate	9.43	41	95334	55.004	ug/l	98
49) 1,4-Dioxane	9.45	88	19280	1073.605	ug/l	94
51) 4-Methyl-2-Pentanone	10.21	43	508691	274.635	ug/l	99
52) Toluene	10.38	92	334970	56.918	ug/l	98
53) t-1,3-Dichloropropene	10.60	75	183963	57.847	ug/l	100
54) cis-1,3-Dichloropropene	10.07	75	216986	56.509	ug/l	98
55) 1,1,2-Trichloroethane	10.79	97	91973	55.415	ug/l	98
56) Ethyl methacrylate	10.65	69	134435	55.653	ug/l	99
57) 1,3-Dichloropropane	10.93	76	175833	56.061	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.92	63	341851	275.746	ug/l	100
59) 2-Hexanone	10.97	43	352233	268.760	ug/l	100
60) Dibromochloromethane	11.13	129	105362	56.994	ug/l	100
61) 1,2-Dibromoethane	11.23	107	86459	55.916	ug/l	99
64) Tetrachloroethene	10.86	164	112032	56.434	ug/l	97
65) Chlorobenzene	11.66	112	336715	55.846	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.73	131	119506	56.816	ug/l	100
67) Ethyl Benzene	11.73	91	663280	57.108	ug/l	98
68) m/p-Xylenes	11.84	106	477216	114.066	ug/l	100
69) o-Xylene	12.16	106	220223	56.874	ug/l	99
70) Styrene	12.18	104	384854	57.421	ug/l	99
71) Bromoform	12.35	173	57756	55.112	ug/l #	99
73) Isopropylbenzene	12.46	105	632593	57.148	ug/l	99
74) N-amyl acetate	12.27	43	183867	54.978	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.71	83	106813	52.634	ug/l	100
76) 1,2,3-Trichloropropane	12.77	75	75017m	52.140	ug/l	
77) Bromobenzene	12.74	156	133388	55.700	ug/l	98
78) n-propylbenzene	12.80	91	775932	57.419	ug/l	99
79) 2-Chlorotoluene	12.89	91	432897	56.424	ug/l	100
80) 1,3,5-Trimethylbenzene	12.94	105	538309	58.198	ug/l	98
81) trans-1,4-Dichloro-2-buten	12.51	75	34290	52.255	ug/l	94
82) 4-Chlorotoluene	12.99	91	456185	56.786	ug/l	99
83) tert-Butylbenzene	13.21	119	455129	58.088	ug/l	99
84) 1,2,4-Trimethylbenzene	13.25	105	533222	57.389	ug/l	100
85) sec-Butylbenzene	13.38	105	648703	57.790	ug/l	99
86) p-Isopropyltoluene	13.50	119	586643	58.519	ug/l	99
87) 1,3-Dichlorobenzene	13.50	146	263028	56.154	ug/l	100
88) 1,4-Dichlorobenzene	13.58	146	260862	56.088	ug/l	100
89) n-Butylbenzene	13.82	91	591942	59.378	ug/l	99
90) Hexachloroethane	14.09	117	100033	56.875	ug/l	95
91) 1,2-Dichlorobenzene	13.87	146	231349	56.301	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.48	75	18003	52.623	ug/l	98

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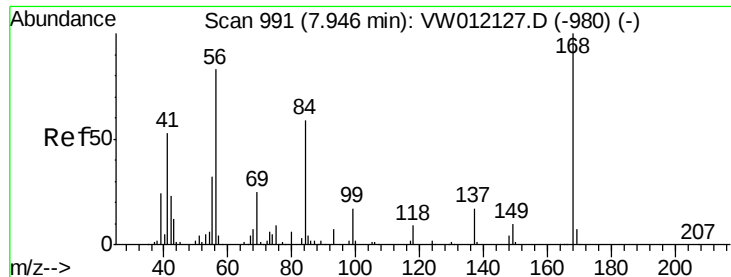
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.13	180	166355	58.583	ug/l	100
94) Hexachlorobutadiene	15.24	225	114779	61.215	ug/l	98
95) Naphthalene	15.36	128	287513	51.460	ug/l	100
96) 1,2,3-Trichlorobenzene	15.55	180	145429	58.699	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.00 min

Lab File: VW012388.D

Acq: 31 Aug 2019 09:41

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

Tot Ion:168 Resp: 224905

Ion Ratio Lower Upper

168 100

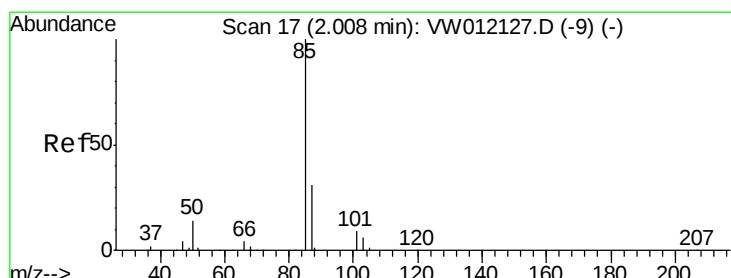
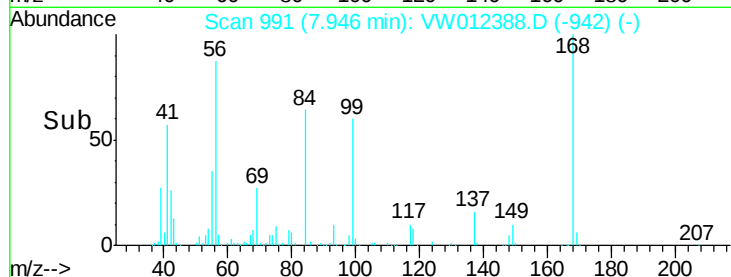
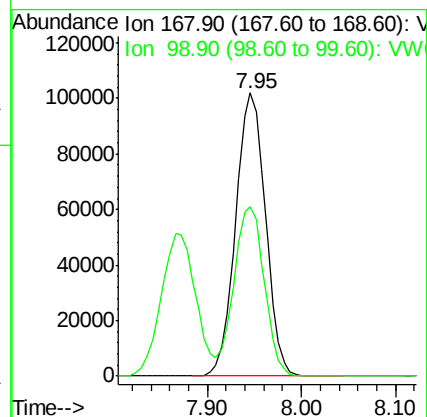
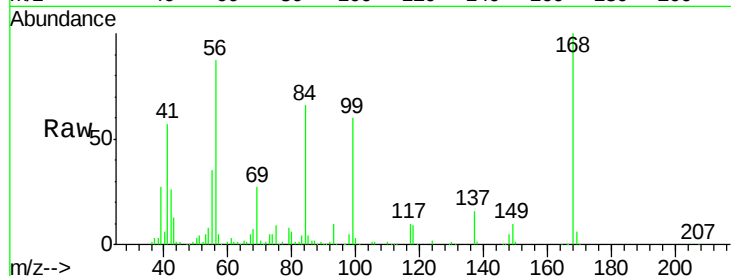
99 59.7 49.2 73.8

Manual Integrations

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9/3/2019 2:42:05 AM



#2

Dichlorodifluoromethane

Concen: 58.879 ug/l

RT: 2.01 min Scan# 17

Delta R.T. -0.00 min

Lab File: VW012388.D

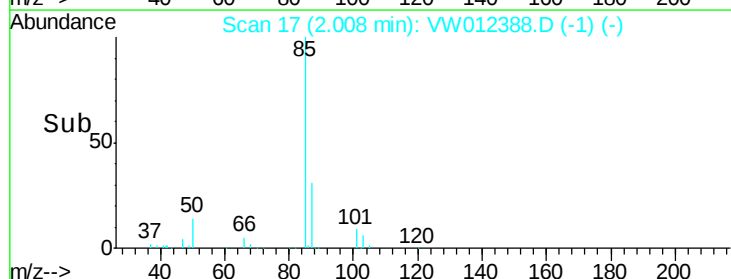
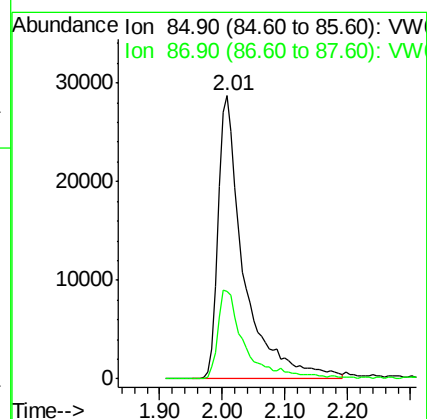
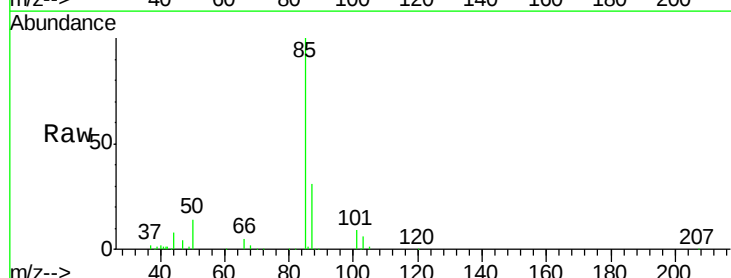
Acq: 31 Aug 2019 09:41

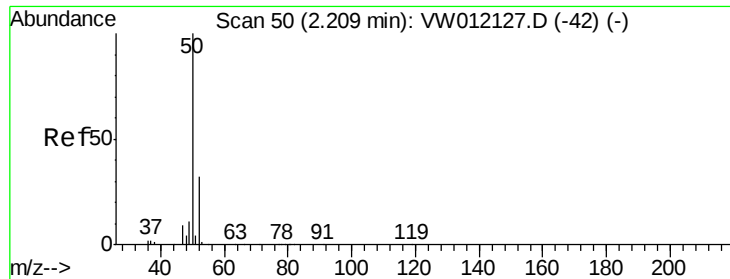
Tgt Ion: 85 Resp: 81537

Ion Ratio Lower Upper

85 100

87 31.1 15.6 46.8





#3

Chloromethane

Concen: 56.262 ug/l

RT: 2.21 min Scan# 51

Delta R.T. 0.01 min

Lab File: VW012388.D

Acq: 31 Aug 2019 09:41

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

Tot Ion: 50 Resp: 120709

Ion Ratio Lower Upper

50 100

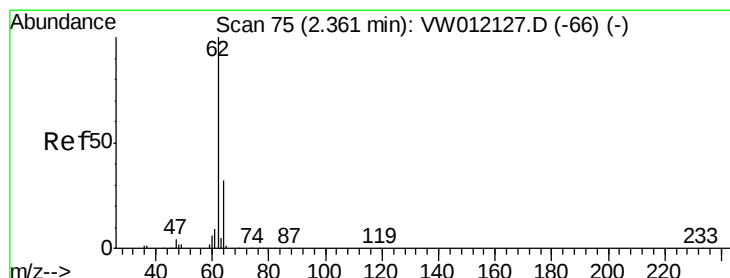
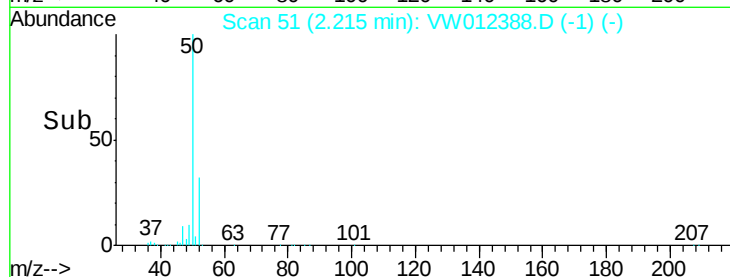
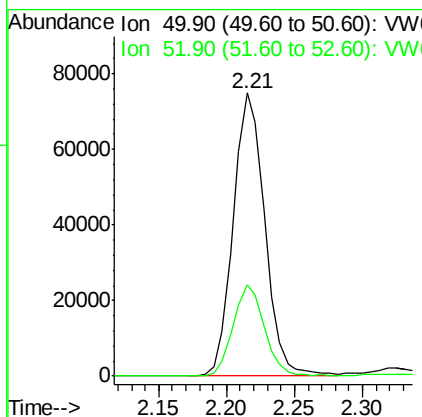
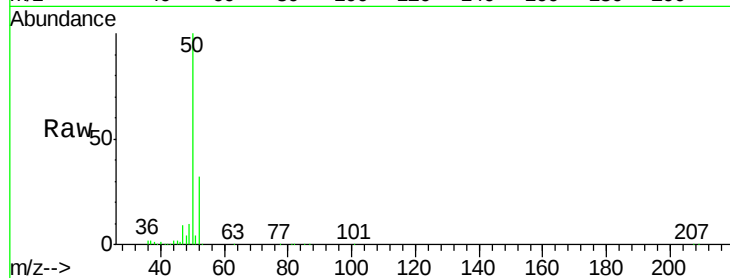
52 32.3 25.5 38.3

Manual Integrations

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9/3/2019 2:42:05 AM



#4

Vinyl Chloride

Concen: 56.509 ug/l

RT: 2.36 min Scan# 75

Delta R.T. -0.00 min

Lab File: VW012388.D

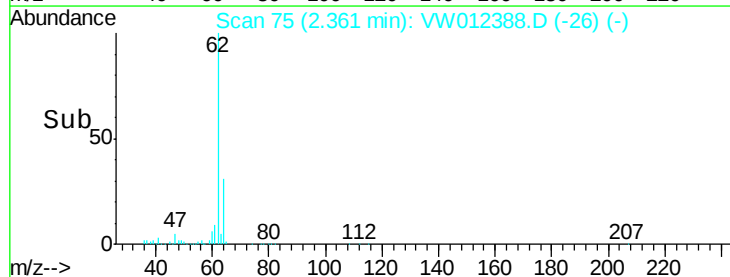
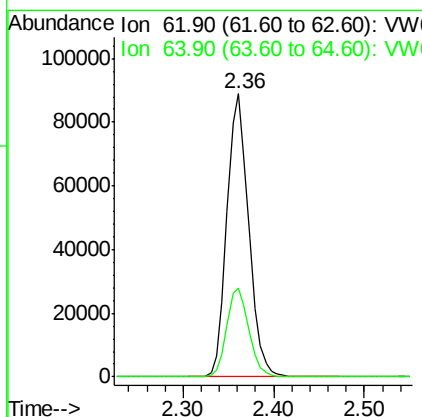
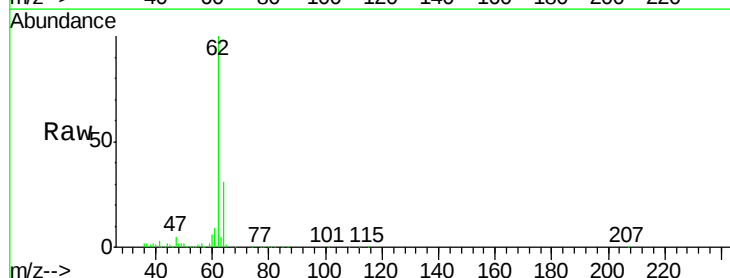
Acq: 31 Aug 2019 09:41

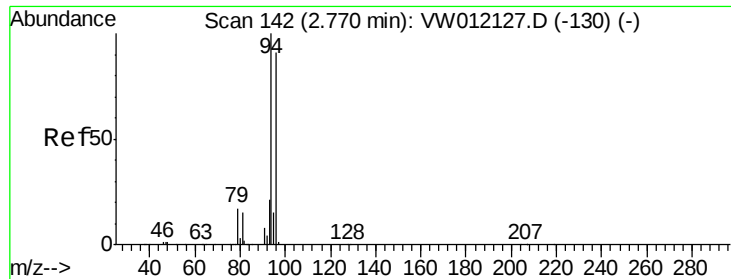
Tgt Ion: 62 Resp: 148393

Ion Ratio Lower Upper

62 100

64 31.3 25.3 37.9





#5

Bromomethane

Concen: 46.613 ug/l

RT: 2.72 min Scan# 134

Delta R.T. -0.05 min

Lab File: VW012388.D

Acq: 31 Aug 2019 09:41

Instrument :

MSVOA_W

ClientSampleId :

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Tot Ion: 94 Resp: 61991

Ion Ratio Lower Upper

94 100

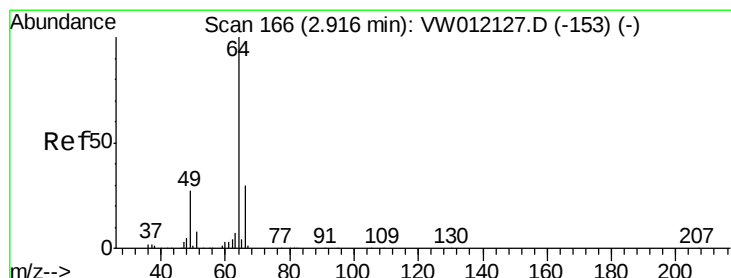
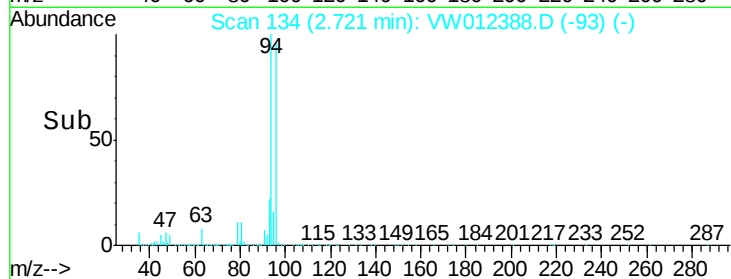
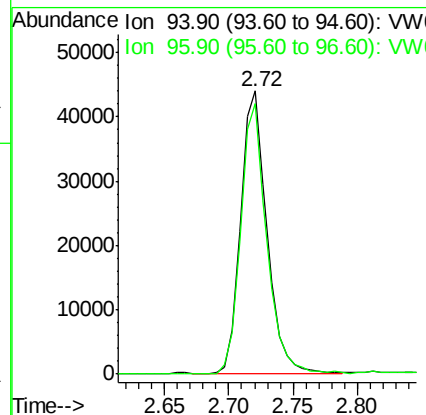
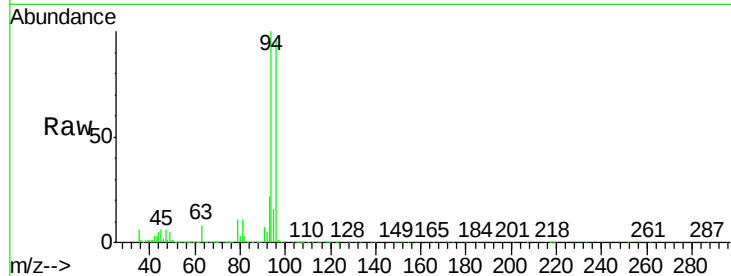
96 95.7 72.9 109.3

Manual Integrations

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9/3/2019 2:42:05 AM



#6

Chloroethane

Concen: 57.212 ug/l

RT: 2.88 min Scan# 160

Delta R.T. -0.04 min

Lab File: VW012388.D

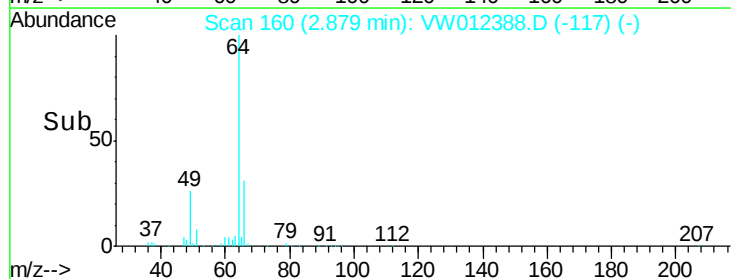
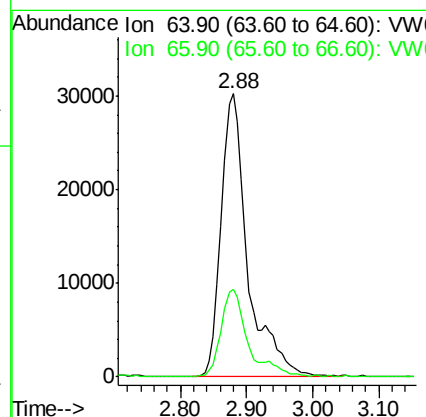
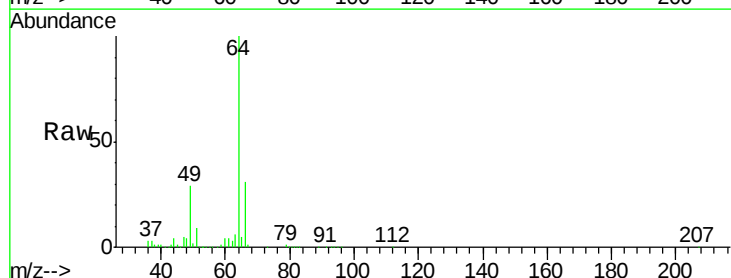
Acq: 31 Aug 2019 09:41

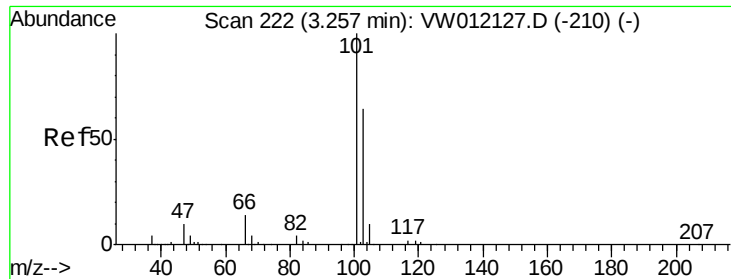
Tgt Ion: 64 Resp: 84752

Ion Ratio Lower Upper

64 100

66 30.9 23.8 35.8





#7

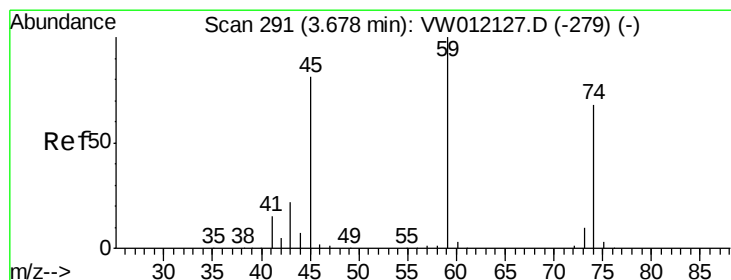
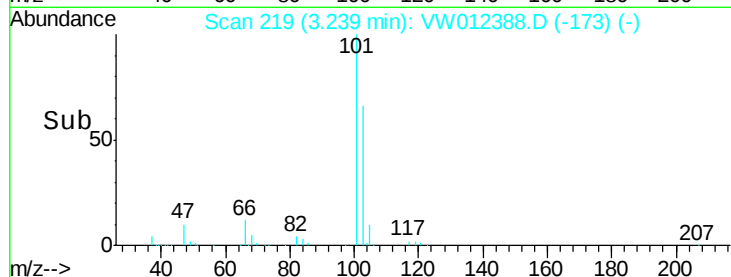
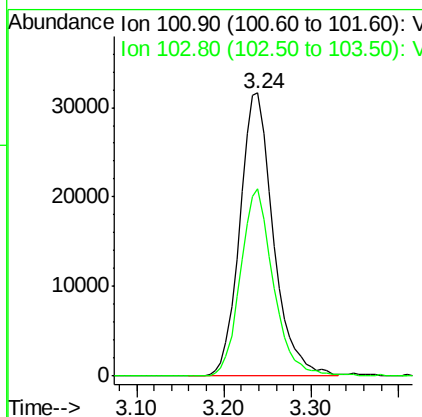
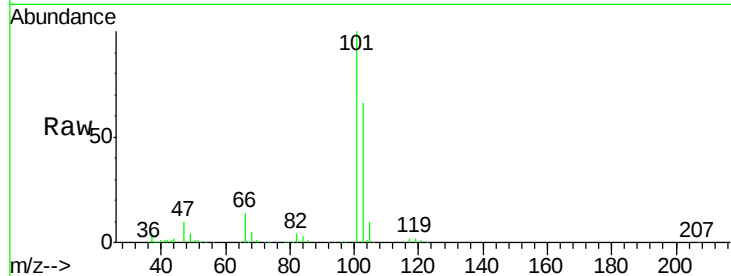
Trichlorofluoromethane
 Concen: 64.002 ug/l
 RT: 3.24 min Scan# 219
 Delta R.T. -0.02 min
 Lab File: VW012388.D
 Acq: 31 Aug 2019 09:41

Instrument :
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 ClientSampleId :
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Tot Ion	Ratio	Lower	Upper
101	100		
103	66.4	51.2	76.8

Manual Integrations
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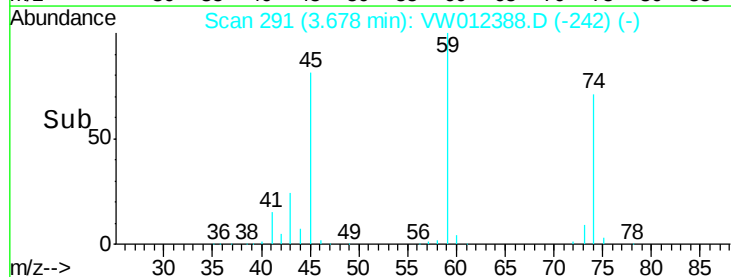
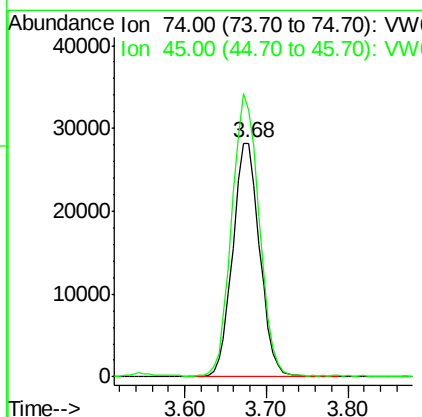
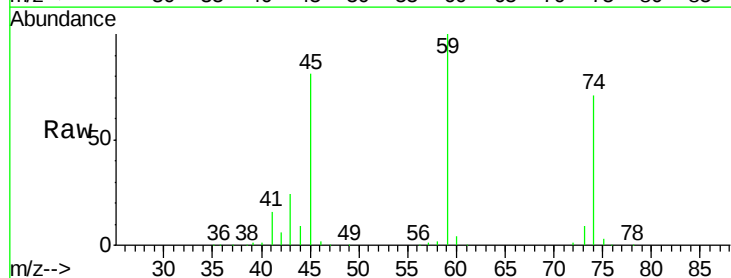
MMDadoda
 9/3/2019 2:42:05 AM

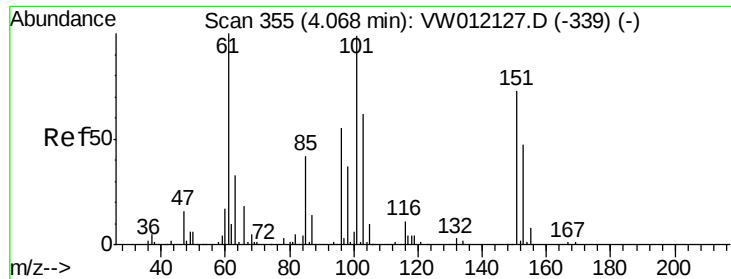


#8

Diethyl Ether
 Concen: 51.375 ug/l
 RT: 3.68 min Scan# 291
 Delta R.T. -0.00 min
 Lab File: VW012388.D
 Acq: 31 Aug 2019 09:41

Tgt Ion	Ratio	Lower	Upper
74	100		
45	122.1	59.2	177.6





#9

1,1,2-Trichlorotrifluoroethane

Concen: 55.746 ug/l

RT: 4.06 min Scan# 353

Delta R.T. -0.01 min

Lab File: VW012388.D

Acq: 31 Aug 2019 09:41

Instrument :

MSVOA_W

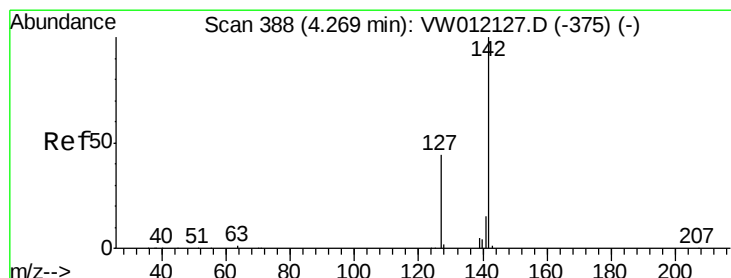
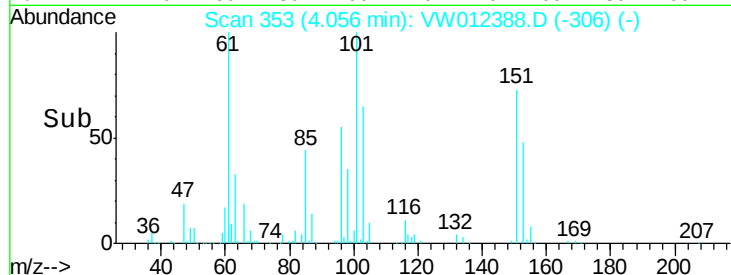
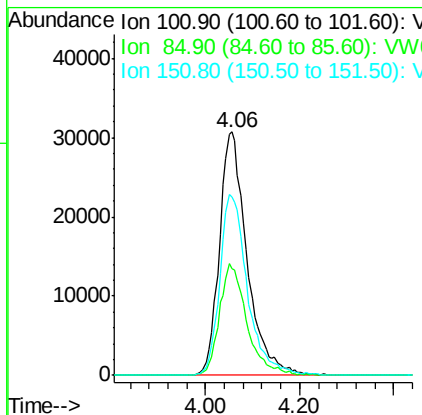
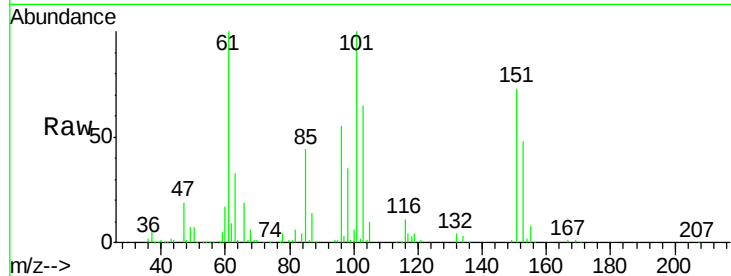
ClientSampleId :

VSTDCCC050

Tot Ion:	101	Resp:	124945
Ion Ratio	Lower	Upper	
101	100		
85	45.6	35.8	53.6
151	74.0	58.6	87.8

Manual Integrations
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#10

Methyl Iodide

Concen: 55.602 ug/l

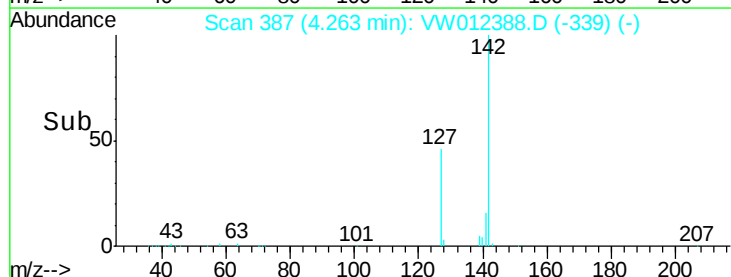
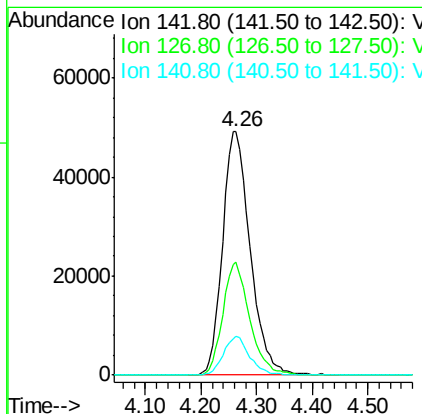
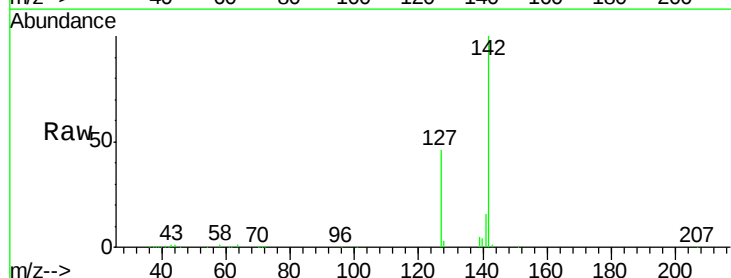
RT: 4.26 min Scan# 387

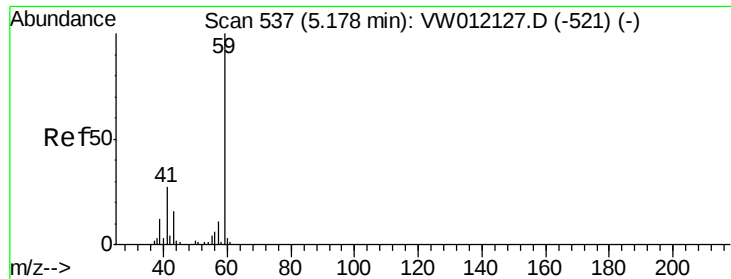
Delta R.T. -0.01 min

Lab File: VW012388.D

Acq: 31 Aug 2019 09:41

Tgt Ion:	142	Resp:	168619
Ion Ratio	Lower	Upper	
142	100		
127	45.2	35.5	53.3
141	15.1	11.8	17.8





#11

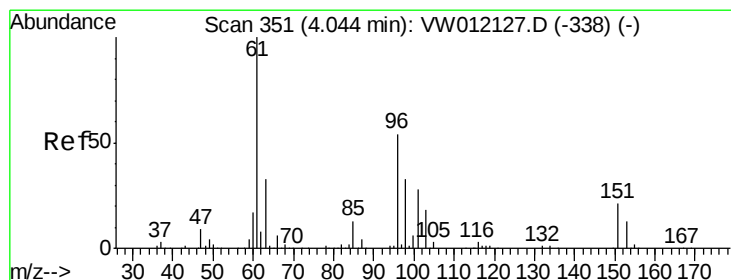
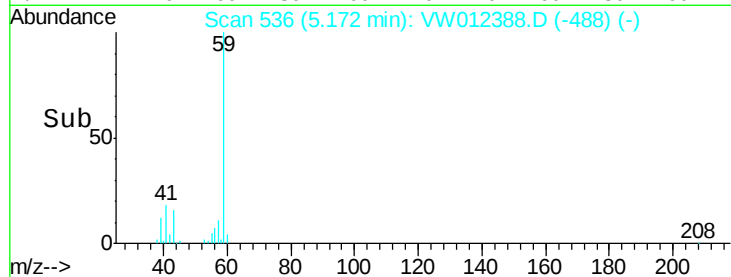
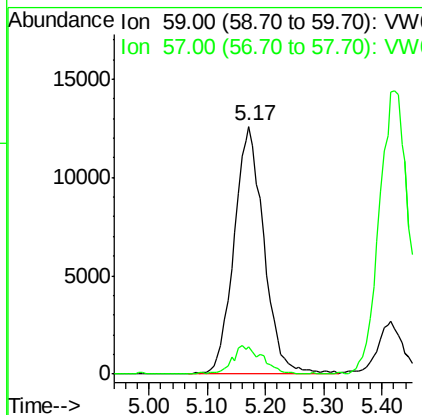
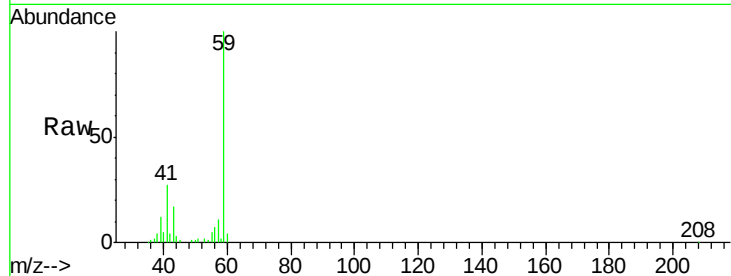
Tert butyl alcohol
Concen: 277.704 ug/l
RT: 5.17 min Scan# 536
Delta R.T. -0.01 min
Lab File: VW012388.D
Acq: 31 Aug 2019 09:41

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
59	100		
57	11.6	9.0	13.4

Manual Integrations
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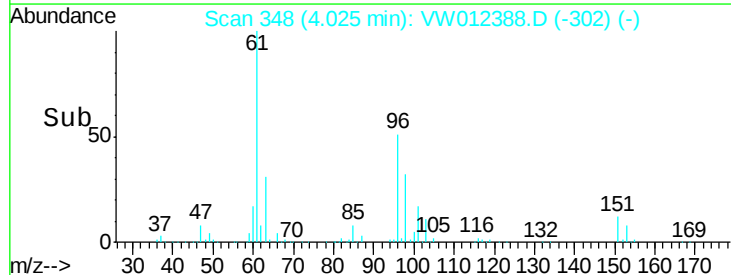
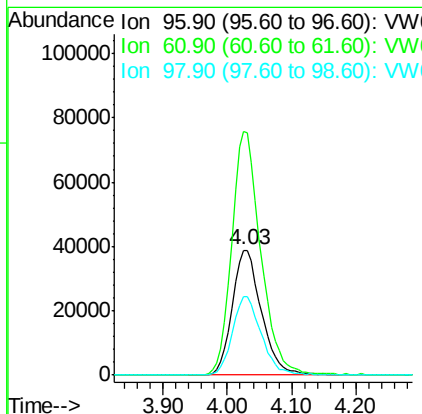
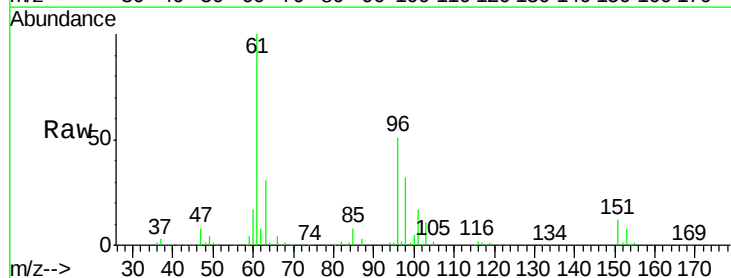
MMDadoda
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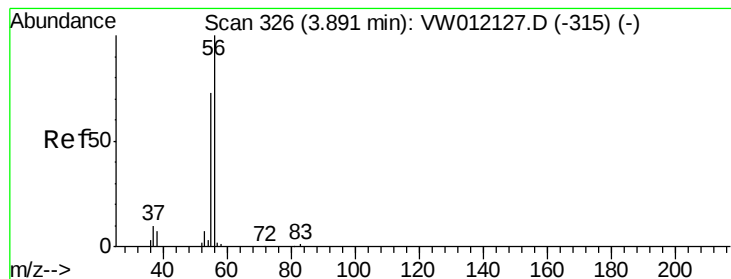


#12

1,1-Dichloroethene
Concen: 54.339 ug/l
RT: 4.03 min Scan# 348
Delta R.T. -0.02 min
Lab File: VW012388.D
Acq: 31 Aug 2019 09:41

Tgt Ion	Ratio	Lower	Upper
96	100		
61	194.5	149.1	223.7
98	62.7	49.4	74.2





#13

Acrolein

Concen: 233.010 ug/l

RT: 3.89 min Scan# 325

Delta R.T. -0.01 min

Lab File: VW012388.D

Acq: 31 Aug 2019 09:41

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

Tot Ion: 56 Resp: 35290

Ion Ratio Lower Upper

56 100

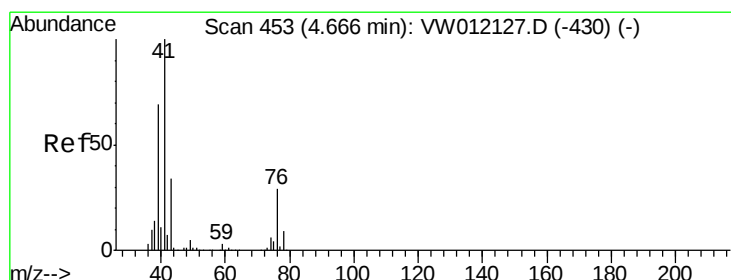
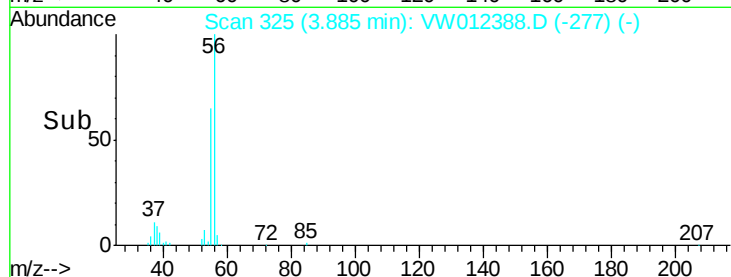
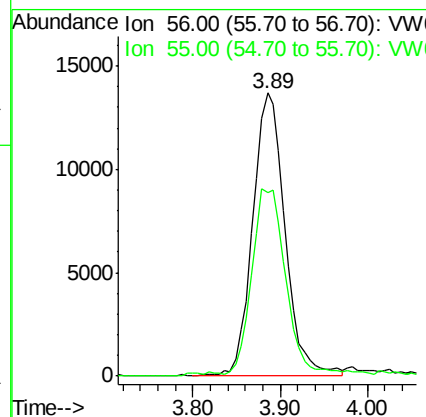
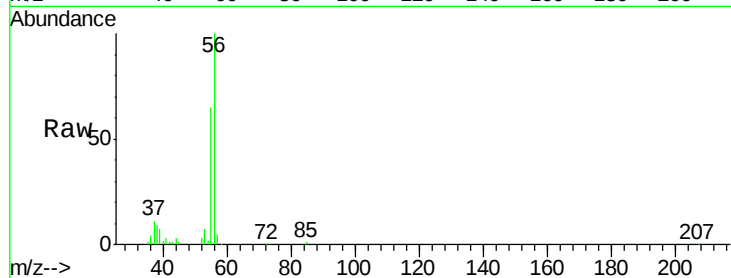
55 68.4 55.8 83.8

Manual Integrations

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#14

Allyl chloride

Concen: 55.720 ug/l

RT: 4.66 min Scan# 452

Delta R.T. -0.01 min

Lab File: VW012388.D

Acq: 31 Aug 2019 09:41

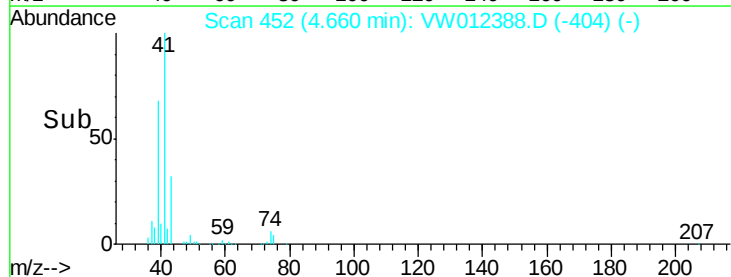
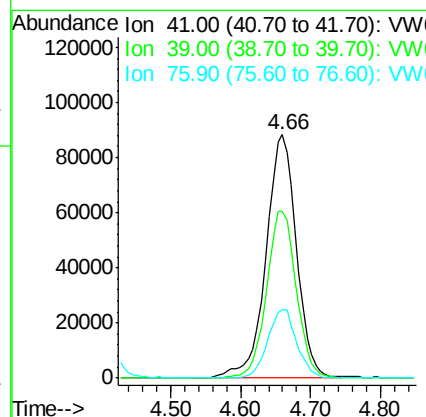
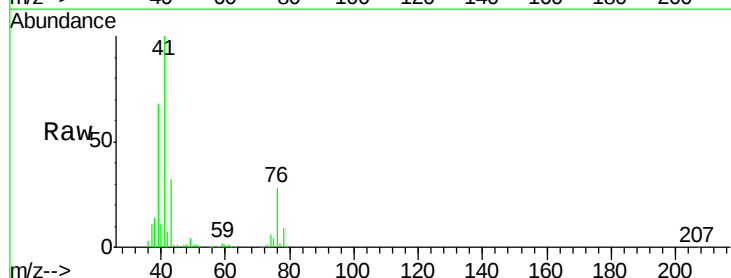
Tgt Ion: 41 Resp: 268728

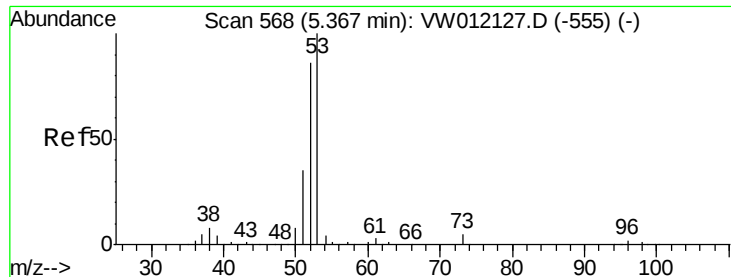
Ion Ratio Lower Upper

41 100

39 67.6 53.4 80.2

76 26.7 22.1 33.1





#15

Acrylonitrile

Concen: 267.426 ug/l

RT: 5.36 min Scan# 567

Delta R.T. -0.01 min

Lab File: VW012388.D

Acq: 31 Aug 2019 09:41

Instrument :

MSVOA_W

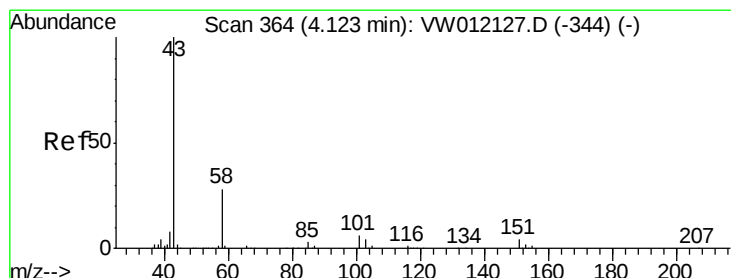
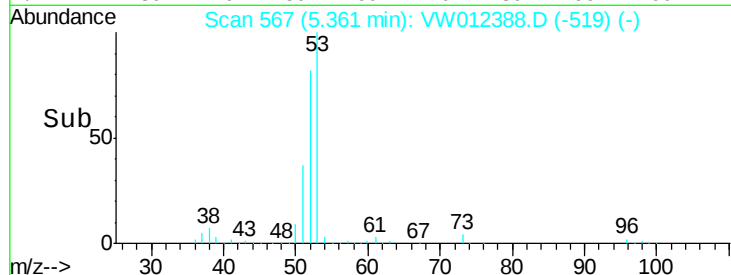
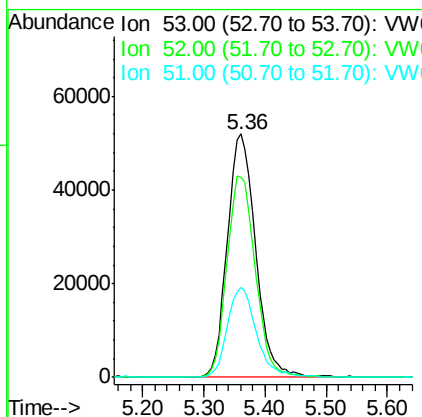
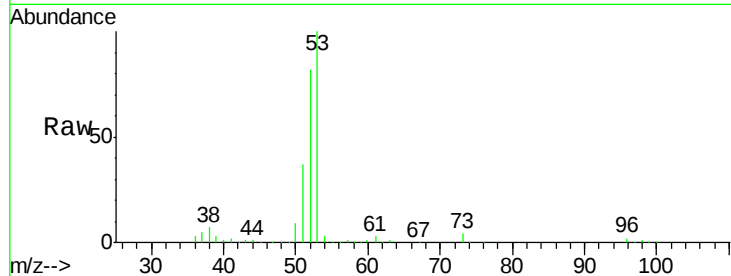
ClientSampleId :

VSTDCCC050

Tot Ion:	53	Resp:	165902
Ion	Ratio	Lower	Upper
53	100		
52	82.3	66.7	100.1
51	37.9	30.1	45.1

Manual Integrations
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#16

Acetone

Concen: 245.756 ug/l

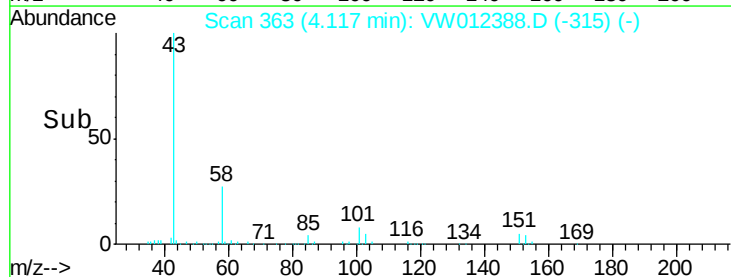
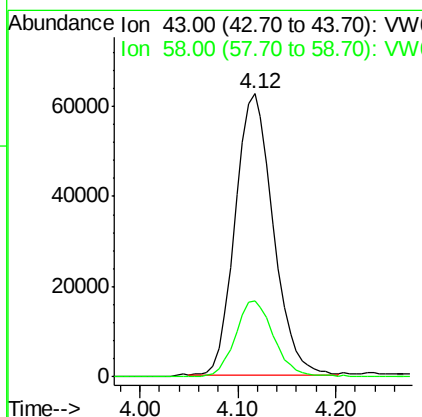
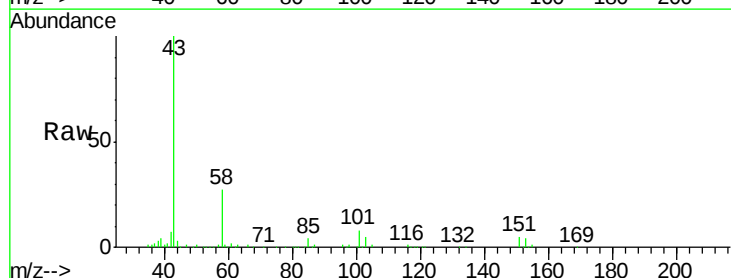
RT: 4.12 min Scan# 363

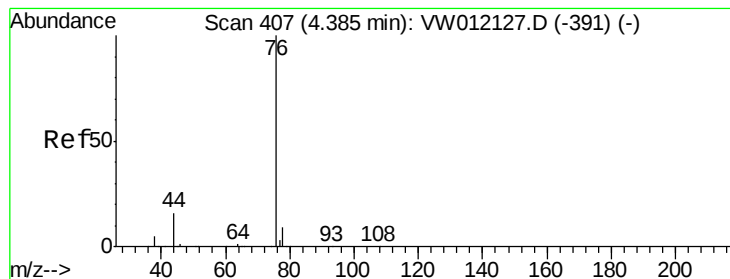
Delta R.T. -0.01 min

Lab File: VW012388.D

Acq: 31 Aug 2019 09:41

Tgt Ion:	43	Resp:	167955
Ion	Ratio	Lower	Upper
43	100		
58	26.8	22.4	33.6





#17

Carbon Disulfide

Concen: 52.168 ug/l

RT: 4.37 min Scan# 405

Delta R.T. -0.01 min

Lab File: VW012388.D

Acq: 31 Aug 2019 09:41

Tot Ion: 76 Resp: 355672

Ion Ratio Lower Upper

76 100

78 9.0 7.3 10.9

Instrument :

MSVOA_W

ClientSampleId :

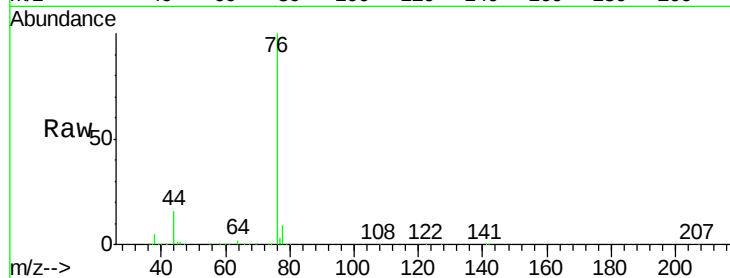
VSTDCCC050

Manual Integrations

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Abundance Ion 75.90 (75.60 to 76.60): VW

Ion 77.90 (77.60 to 78.60): VW

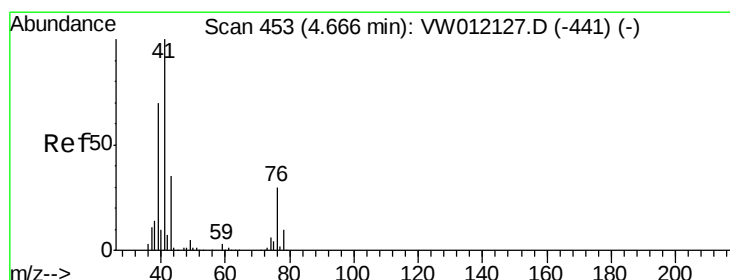
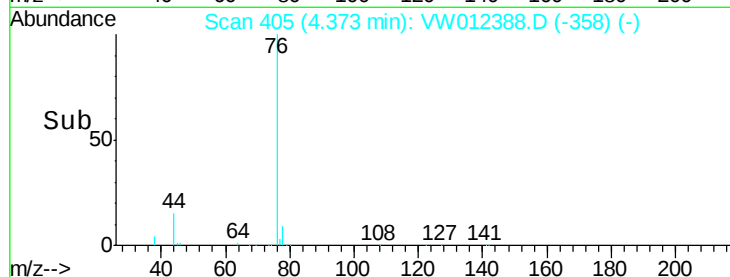
4.37

100000

50000

0

Time-->



#18

Methyl Acetate

Concen: 50.177 ug/l

RT: 4.66 min Scan# 452

Delta R.T. -0.01 min

Lab File: VW012388.D

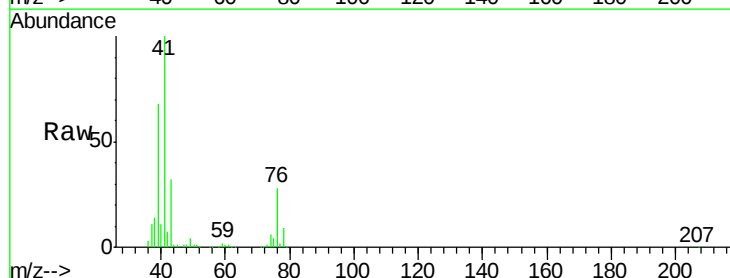
Acq: 31 Aug 2019 09:41

Tgt Ion: 43 Resp: 84936

Ion Ratio Lower Upper

43 100

74 19.1 15.7 23.5



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 74.00 (73.70 to 74.70): VW

4.66

30000

25000

20000

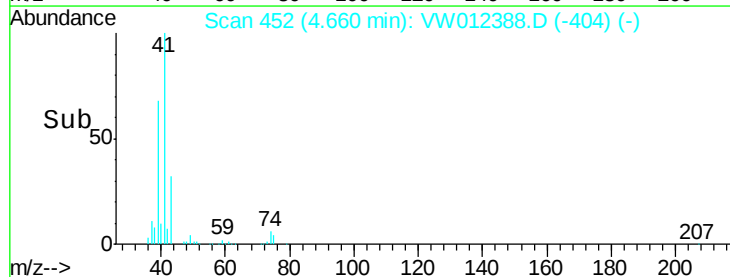
15000

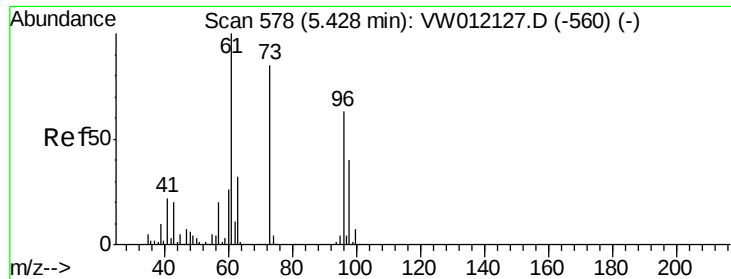
10000

5000

0

Time-->





#19

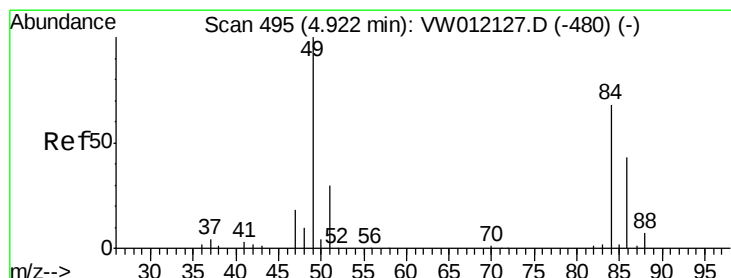
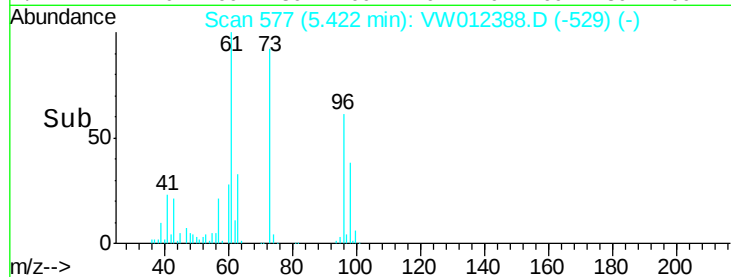
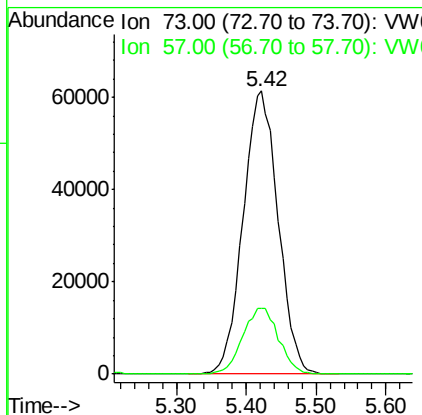
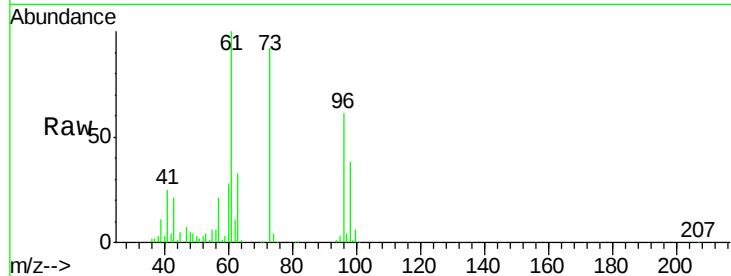
Methyl tert-butyl Ether
 Concen: 58.358 ug/l
 RT: 5.42 min Scan# 577
 Delta R.T. -0.01 min
 Lab File: VW012388.D
 Acq: 31 Aug 2019 09:41

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
73	100		
57	23.5	18.9	28.3

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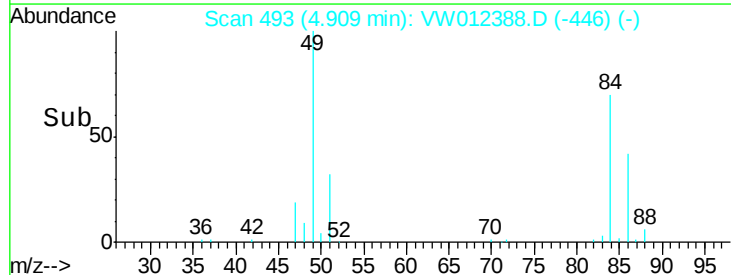
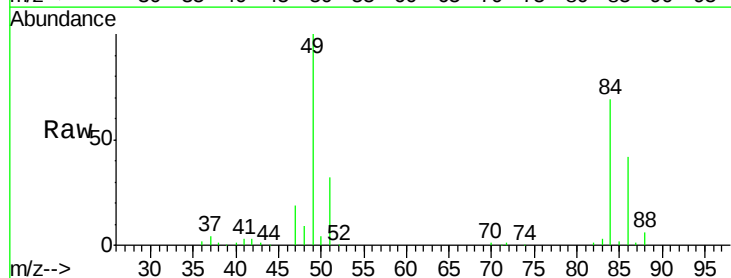
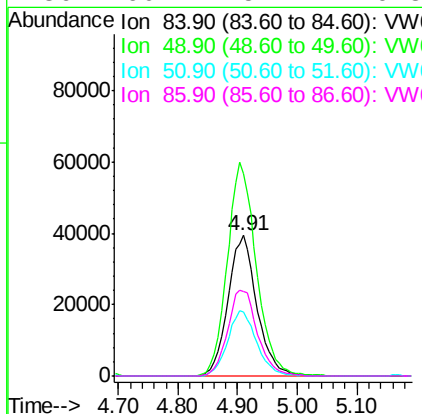
MMDadoda
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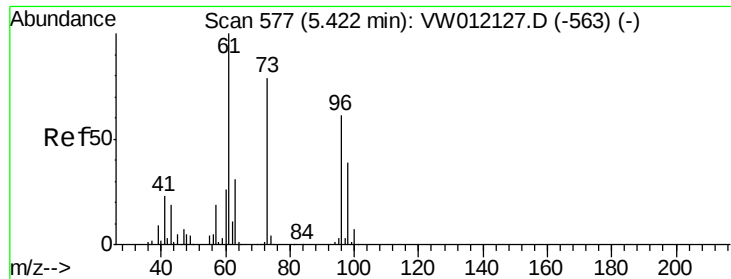


#20

Methylene Chloride
 Concen: 51.457 ug/l
 RT: 4.91 min Scan# 493
 Delta R.T. -0.01 min
 Lab File: VW012388.D
 Acq: 31 Aug 2019 09:41

Tgt Ion	Ratio	Lower	Upper
84	100		
49	144.1	117.8	176.8
51	45.8	35.6	53.4
86	60.1	51.2	76.8





#21

trans-1,2-Dichloroethene

Concen: 54.192 ug/l

RT: 5.42 min Scan# 576

Delta R.T. -0.01 min

Lab File: VW012388.D

Acq: 31 Aug 2019 09:41

Instrument :

MSVOA_W

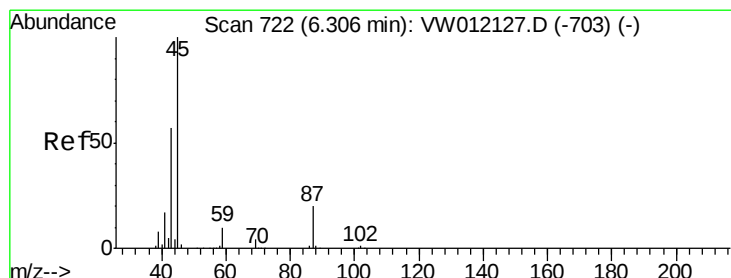
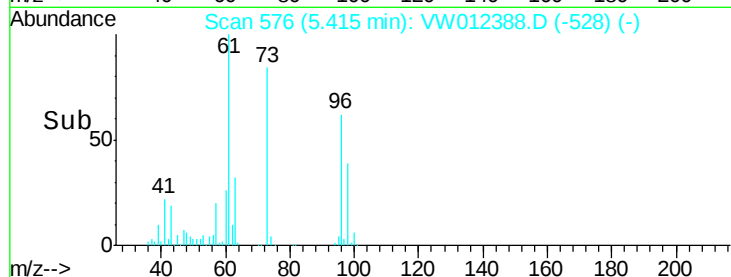
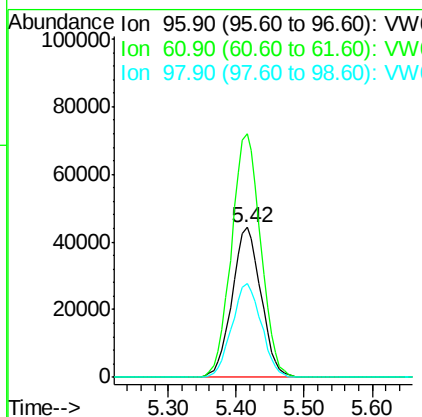
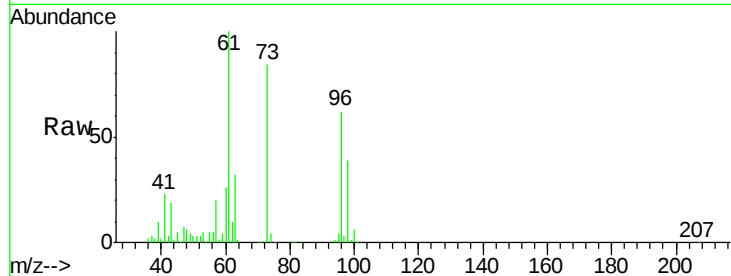
ClientSampleId :

VSTDCCC050

Tot Ion:	96	Resp:	131097
Ion	Ratio	Lower	Upper
96	100		
61	162.4	131.4	197.0
98	63.0	51.4	77.0

Manual Integrations
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#22

Diisopropyl ether

Concen: 55.463 ug/l

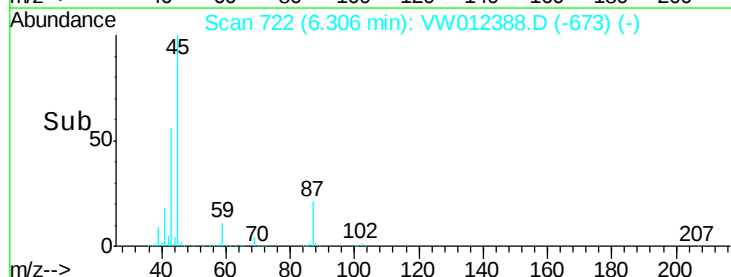
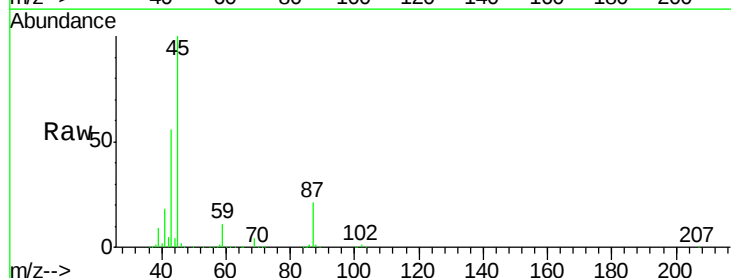
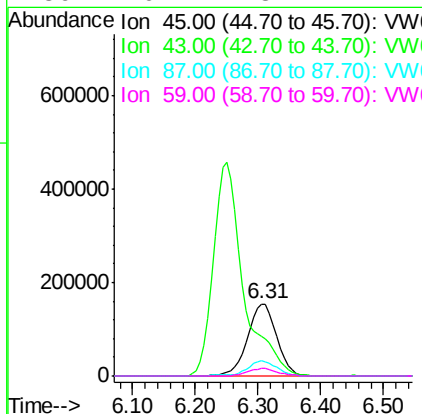
RT: 6.31 min Scan# 722

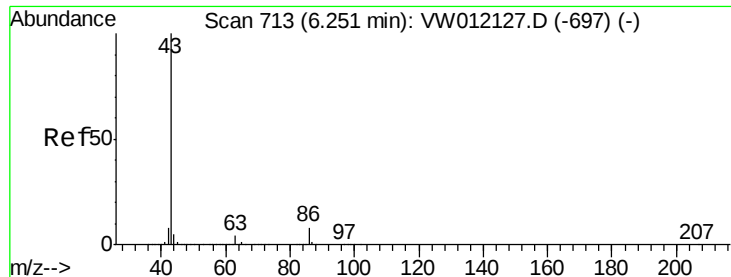
Delta R.T. -0.00 min

Lab File: VW012388.D

Acq: 31 Aug 2019 09:41

Tgt Ion:	45	Resp:	495815
Ion	Ratio	Lower	Upper
45	100		
43	54.8	45.5	68.3
87	20.7	16.1	24.1
59	10.7	8.2	12.2





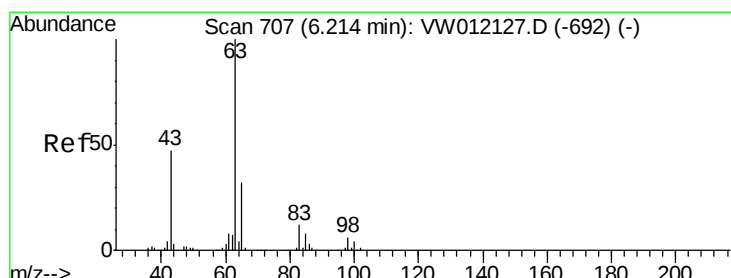
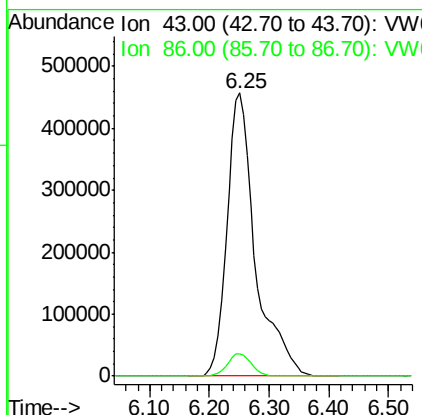
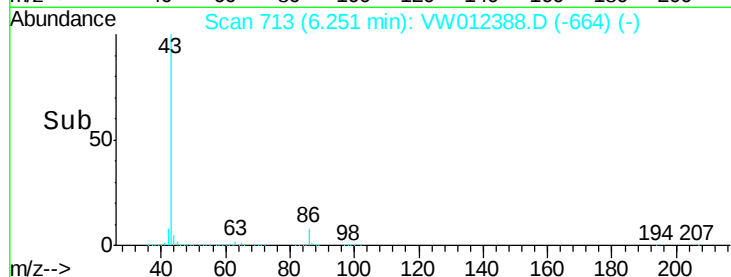
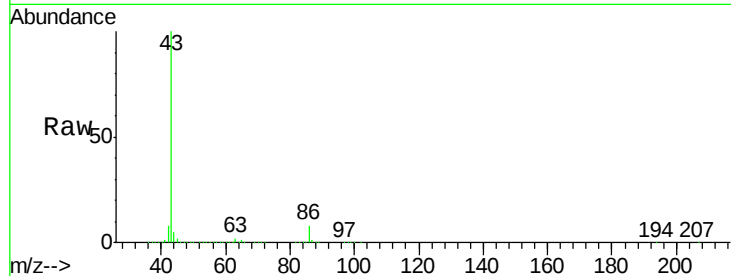
#23
 Vinyl Acetate
 Concen: 274.432 ug/l
 RT: 6.25 min Scan# 713
 Delta R.T. -0.00 min
 Lab File: VW012388.D
 Acq: 31 Aug 2019 09:41

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

Tot Ion: 43 Resp: 1509787
 Ion Ratio Lower Upper
 43 100
 86 8.0 6.5 9.7

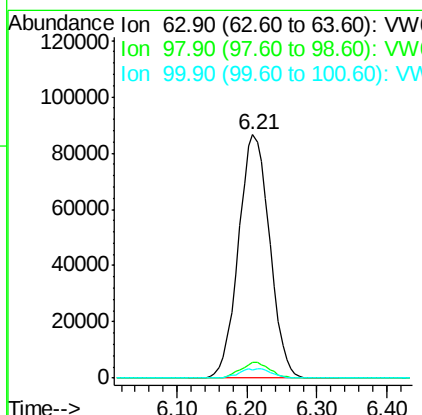
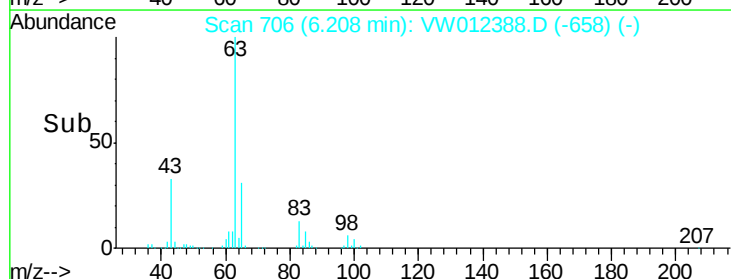
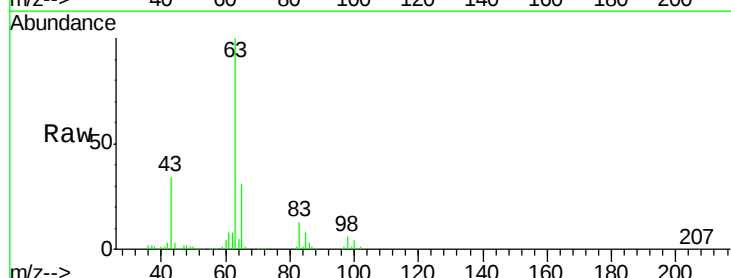
Manual Integrations
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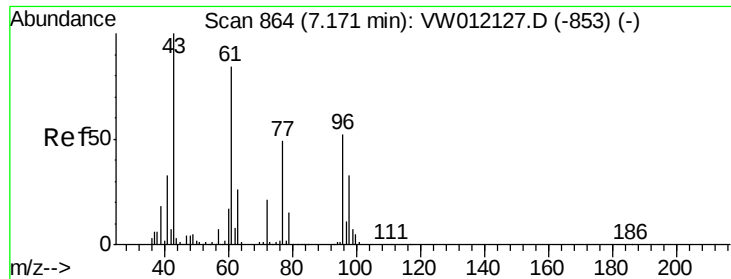
MMDadoda
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#24
 1,1-Dichloroethane
 Concen: 54.877 ug/l
 RT: 6.21 min Scan# 706
 Delta R.T. -0.01 min
 Lab File: VW012388.D
 Acq: 31 Aug 2019 09:41

Tgt Ion: 63 Resp: 267108
 Ion Ratio Lower Upper
 63 100
 98 6.2 3.0 9.2
 100 3.6 2.0 6.0





#25

2-Butanone

Concen: 249.513 ug/l

RT: 7.17 min Scan# 863

Delta R.T. -0.01 min

Lab File: VW012388.D

Acq: 31 Aug 2019 09:41

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 231720

Ion Ratio Lower Upper

43 100

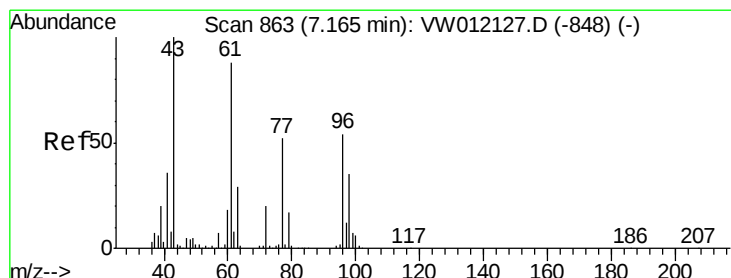
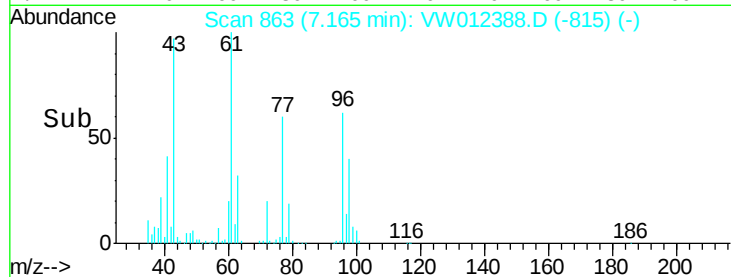
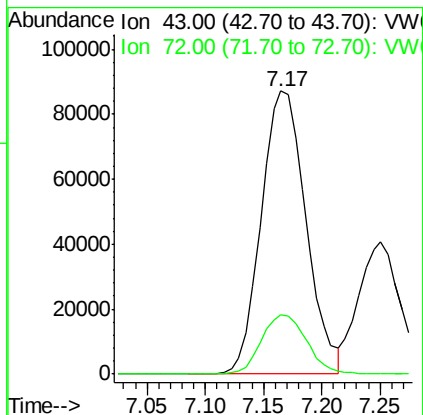
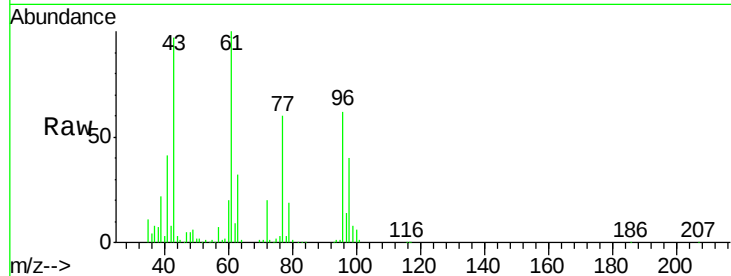
72 20.9 16.6 24.8

Manual Integrations

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9/3/2019 2:42:05 AM



#26

2,2-Dichloropropane

Concen: 56.833 ug/l

RT: 7.17 min Scan# 863

Delta R.T. -0.00 min

Lab File: VW012388.D

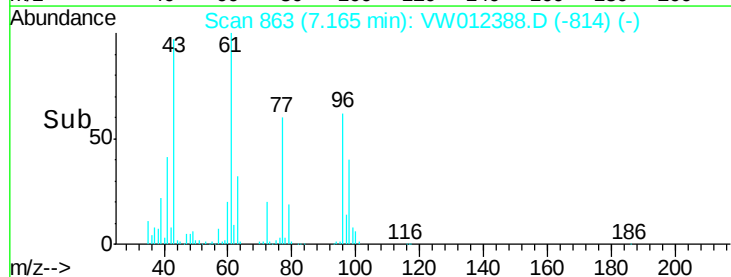
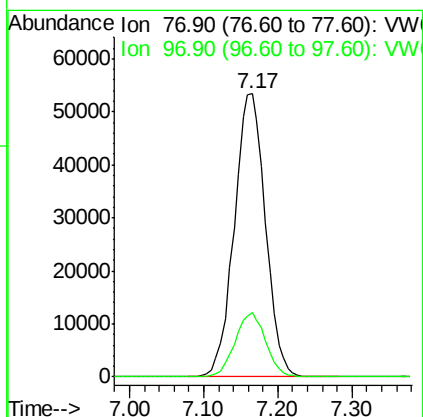
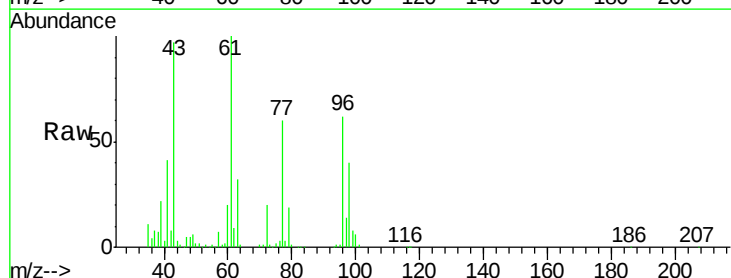
Acq: 31 Aug 2019 09:41

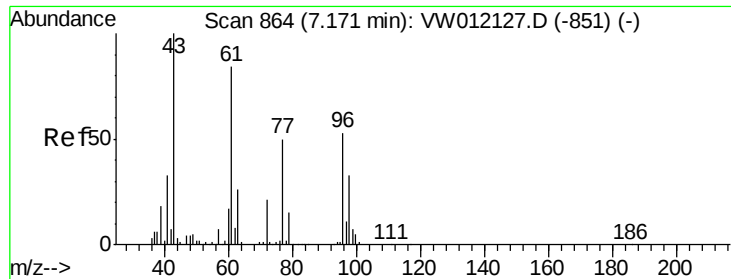
Tgt Ion: 77 Resp: 156574

Ion Ratio Lower Upper

77 100

97 22.3 11.1 33.1





#27

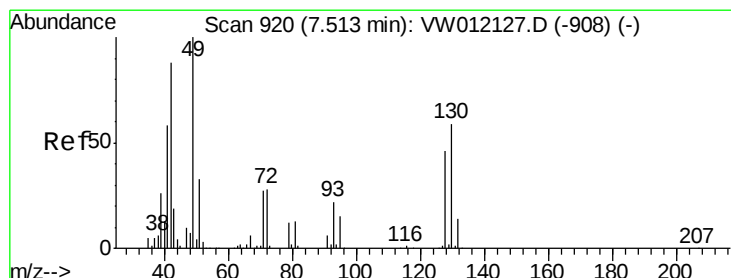
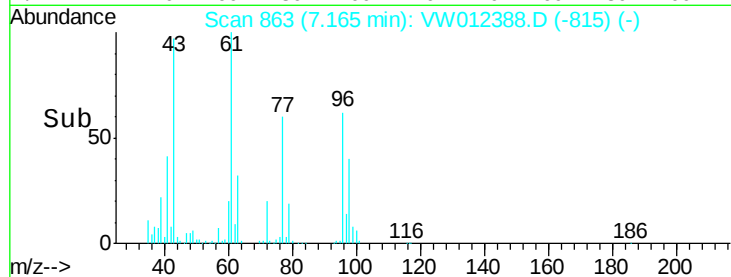
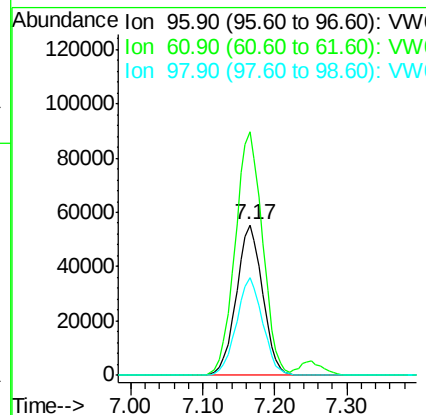
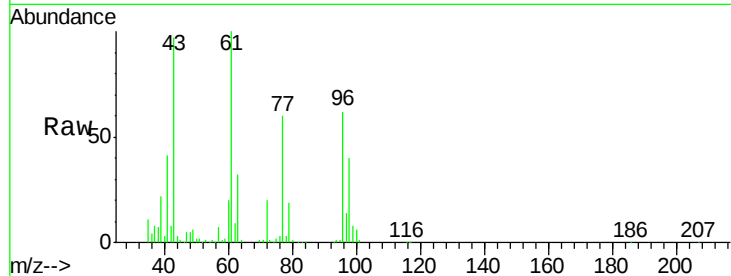
cis-1,2-Dichloroethene
Concen: 54.240 ug/l
RT: 7.17 min Scan# 863
Delta R.T. -0.01 min
Lab File: VW012388.D
Acq: 31 Aug 2019 09:41

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
96	100	140190		
61	168.4	0.0	326.6	
98	64.5	0.0	127.4	

Manual Integrations
APPROVED

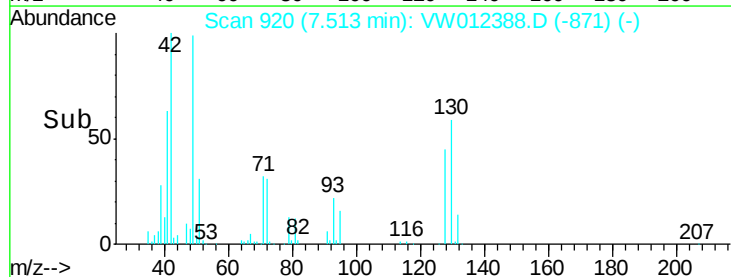
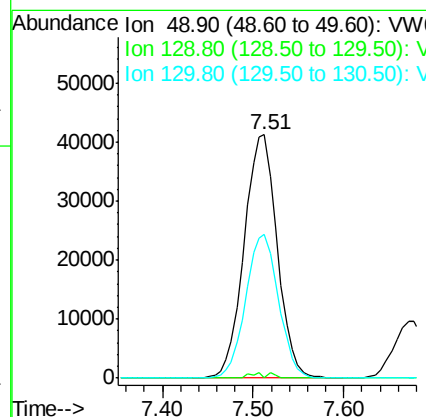
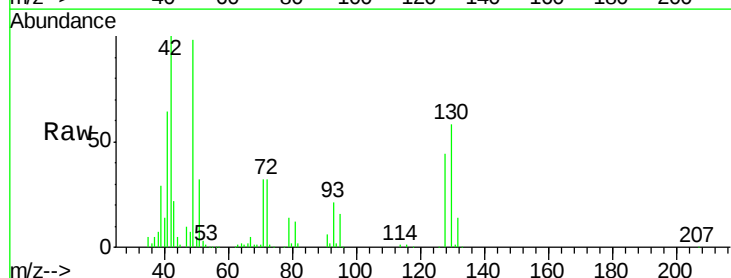
MMDadoda
9/3/2019 2:42:05 AM

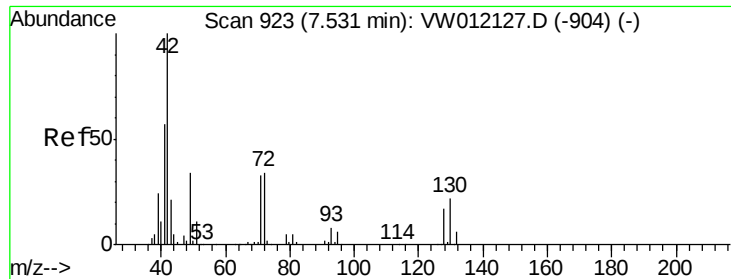


#28

Bromochloromethane
Concen: 48.995 ug/l
RT: 7.51 min Scan# 920
Delta R.T. -0.00 min
Lab File: VW012388.D
Acq: 31 Aug 2019 09:41

Tgt Ion	Ratio	Resp	Lower	Upper
49	100	103940		
129	0.5	0.0	1.4	
130	58.6	45.5	68.3	





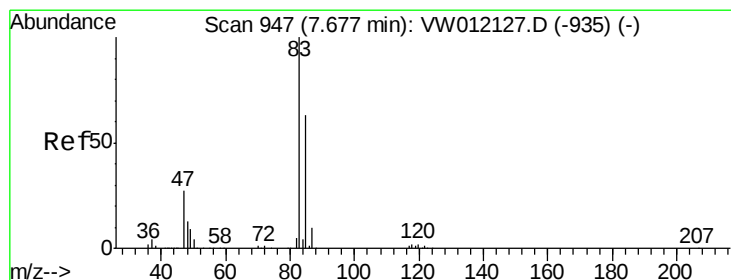
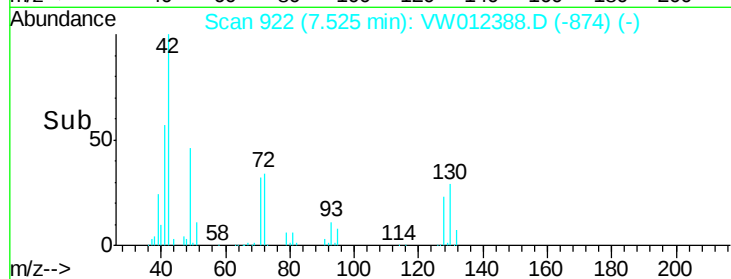
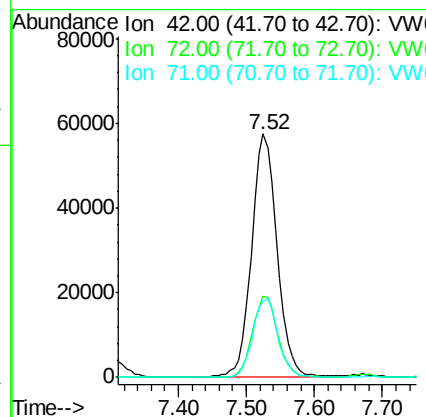
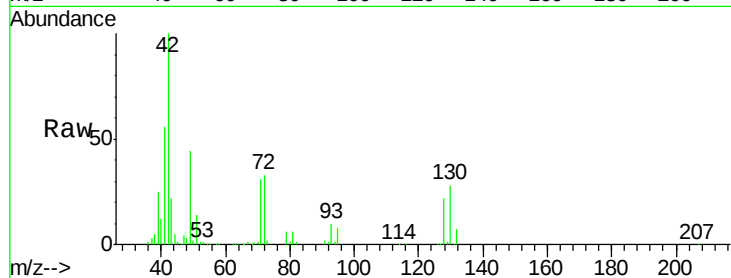
#29
Tetrahydrofuran
Concen: 269.436 ug/l
RT: 7.52 min Scan# 922
Delta R.T. -0.01 min
Lab File: VW012388.D
Acq: 31 Aug 2019 09:41

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion:	42	Resp:	150123
Ion	Ratio	Lower	Upper
42	100		
72	33.3	27.3	40.9
71	32.1	25.5	38.3

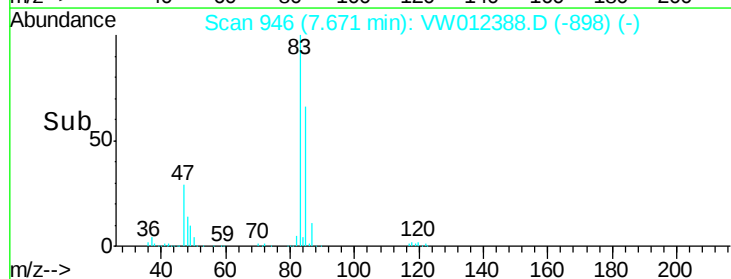
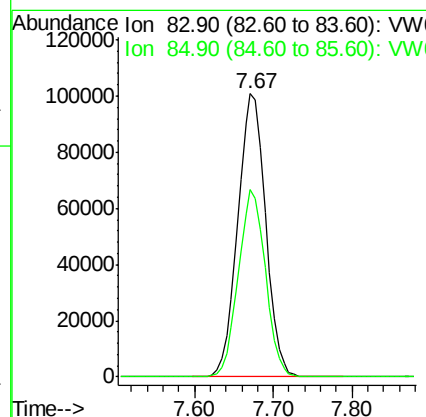
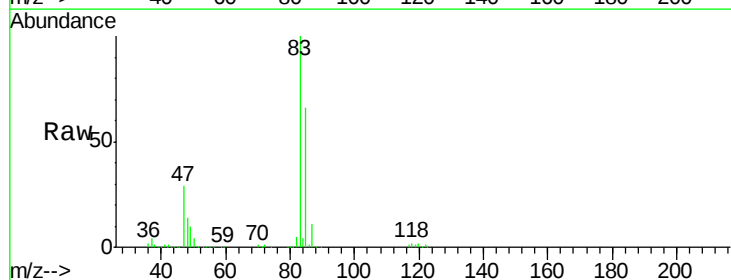
Manual Integrations
APPROVED

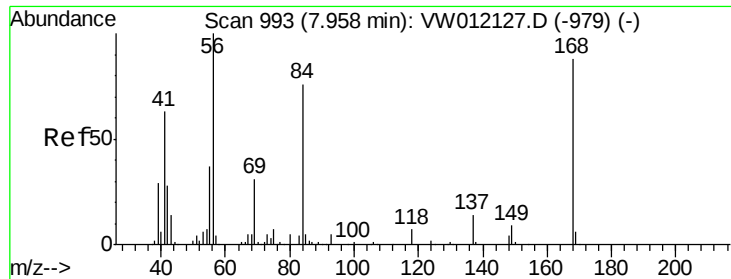
MMDadoda
9/3/2019 2:42:05 AM



#30
Chloroform
Concen: 55.576 ug/l
RT: 7.67 min Scan# 946
Delta R.T. -0.01 min
Lab File: VW012388.D
Acq: 31 Aug 2019 09:41

Tgt Ion:	83	Resp:	247491
Ion	Ratio	Lower	Upper
83	100		
85	66.3	50.6	76.0





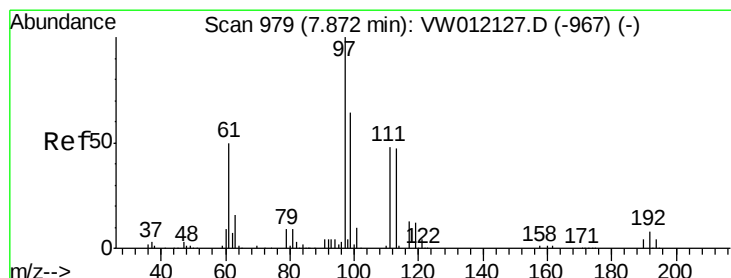
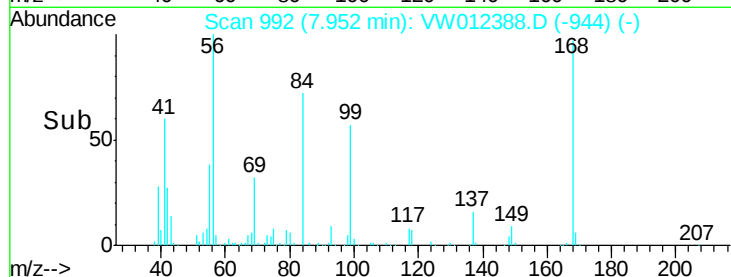
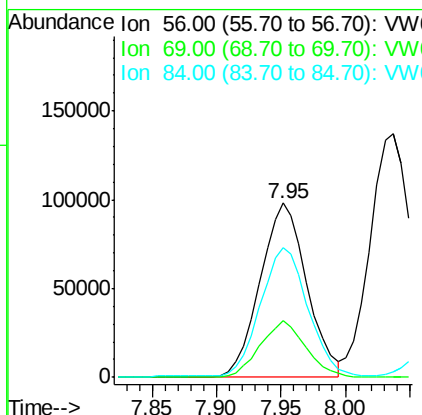
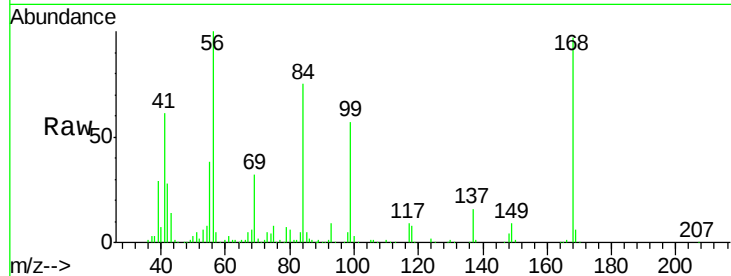
#31
Cyclohexane
Concen: 51.127 ug/l
RT: 7.95 min Scan# 992
Delta R.T. -0.01 min
Lab File: VW012388.D
Acq: 31 Aug 2019 09:41

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
56	100		
69	32.3	24.9	37.3
84	73.5	60.6	90.8

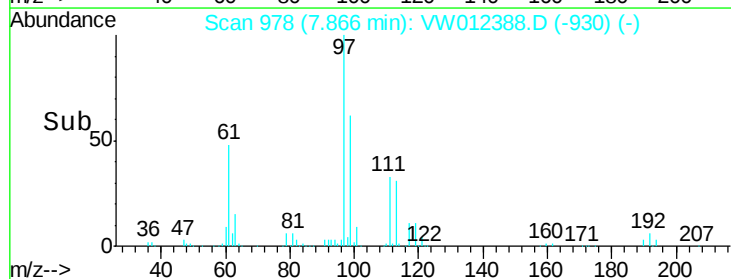
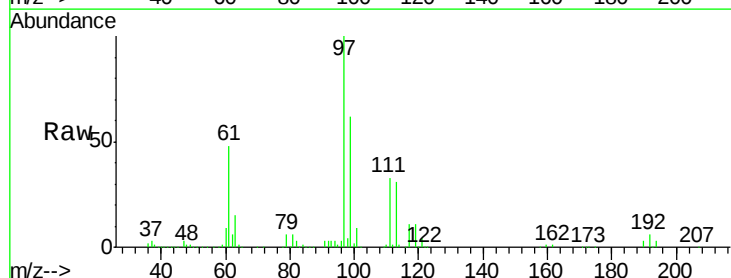
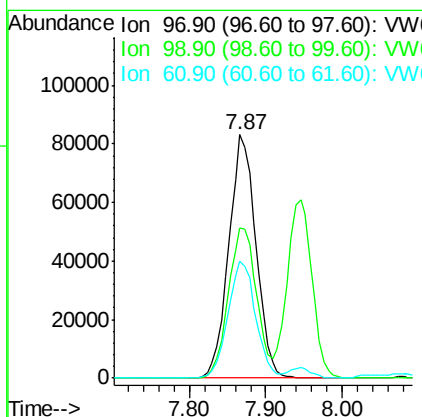
Manual Integrations
APPROVED

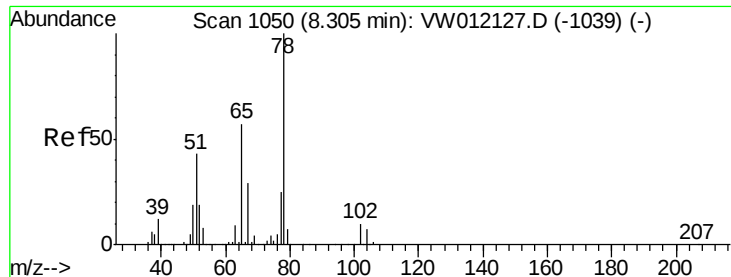
MMDadoda
9/3/2019 2:42:05 AM



#32
1,1,1-Trichloroethane
Concen: 57.803 ug/l
RT: 7.87 min Scan# 978
Delta R.T. -0.01 min
Lab File: VW012388.D
Acq: 31 Aug 2019 09:41

Tgt Ion	Ratio	Lower	Upper
97	100		
99	64.7	51.4	77.0
61	49.1	39.5	59.3





#33

1,2-Dichloroethane-d4

Concen: 48.965 ug/l

RT: 8.31 min Scan# 1050

Delta R.T. -0.00 min

Lab File: VW012388.D

Acq: 31 Aug 2019 09:41

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

Tot Ion: 65 Resp: 130911

Ion Ratio Lower Upper

65 100

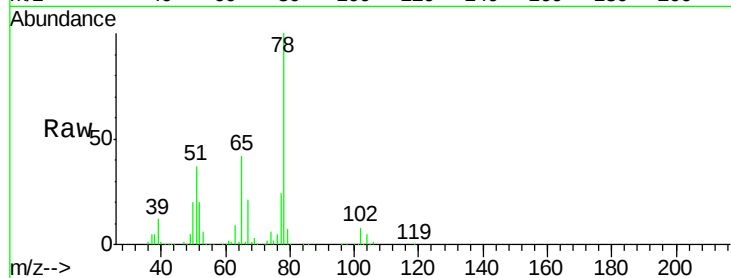
67 51.1 0.0 102.6

Manual Integrations

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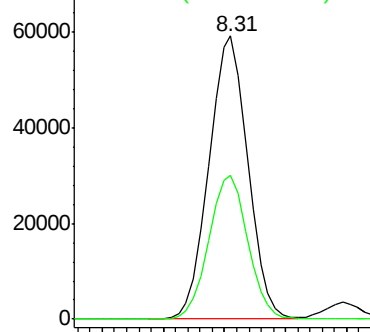
MMDadoda

9/3/2019 2:42:05 AM

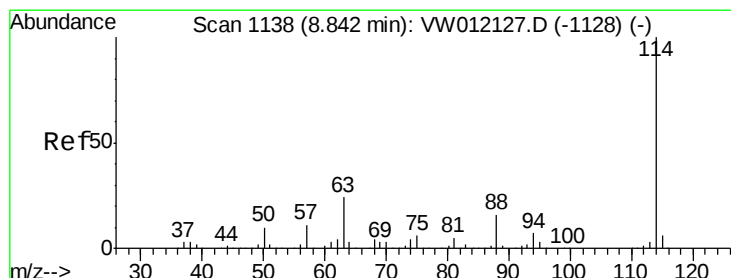
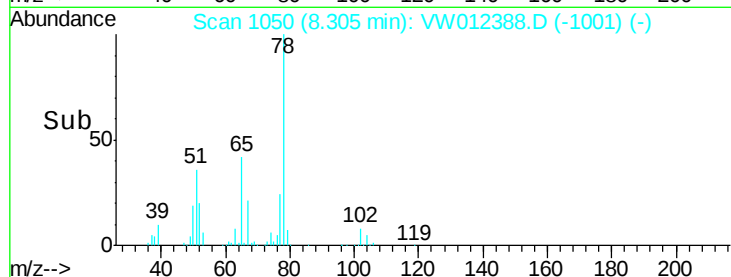


Abundance Ion 64.90 (64.60 to 65.60): VW

Ion 66.90 (66.60 to 67.60): VW



Time-->



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.84 min Scan# 1138

Delta R.T. -0.00 min

Lab File: VW012388.D

Acq: 31 Aug 2019 09:41

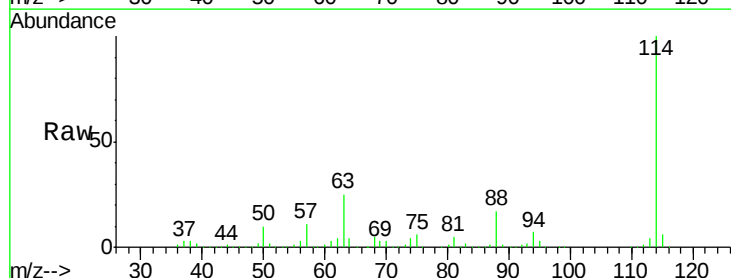
Tgt Ion: 114 Resp: 347177

Ion Ratio Lower Upper

114 100

63 24.6 0.0 48.6

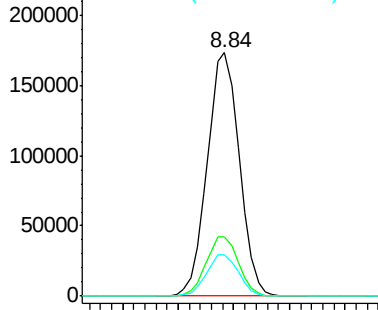
88 17.1 0.0 32.2



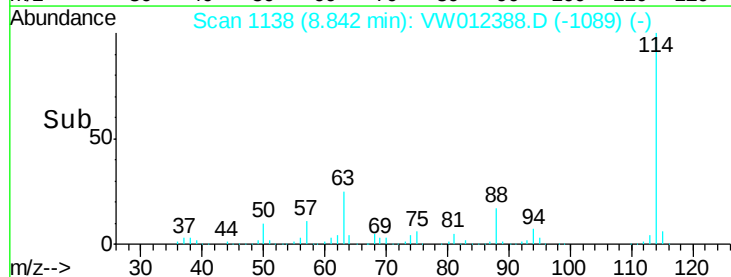
Abundance Ion 113.90 (113.60 to 114.60): V

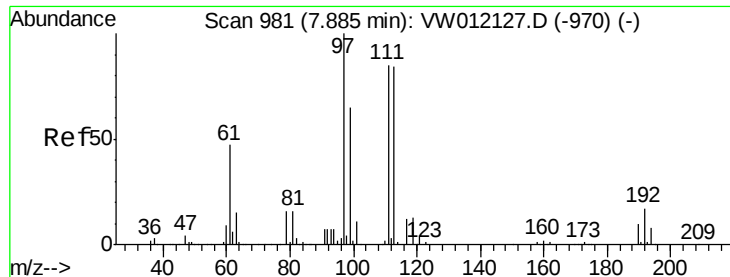
Ion 63.00 (62.70 to 63.70): VW

Ion 87.90 (87.60 to 88.60): VW



Time-->





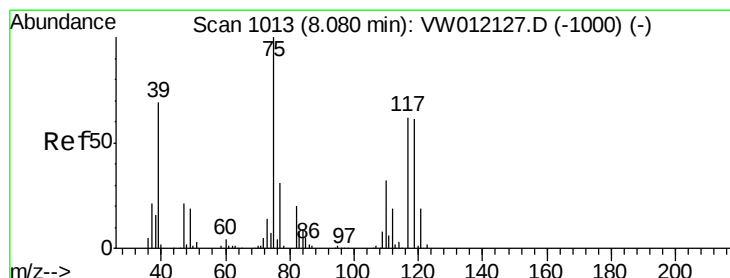
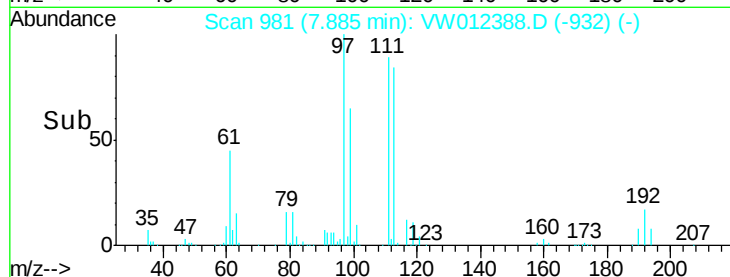
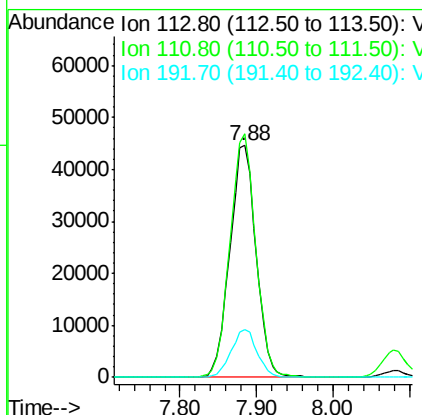
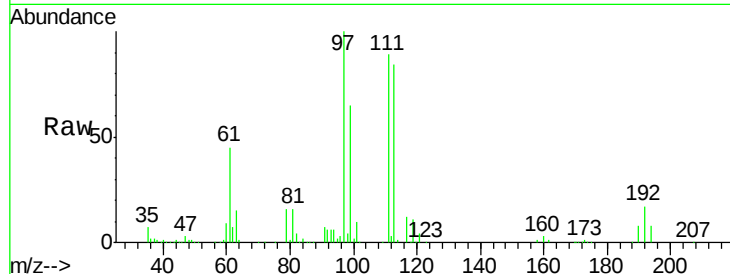
#35
 Dibromofluoromethane
 Concen: 50.995 ug/l
 RT: 7.88 min Scan# 981
 Delta R.T. -0.00 min
 Lab File: VW012388.D
 Acq: 31 Aug 2019 09:41

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
113	100	105677		
111	103.1	82.7	124.1	
192	20.3	16.2	24.2	

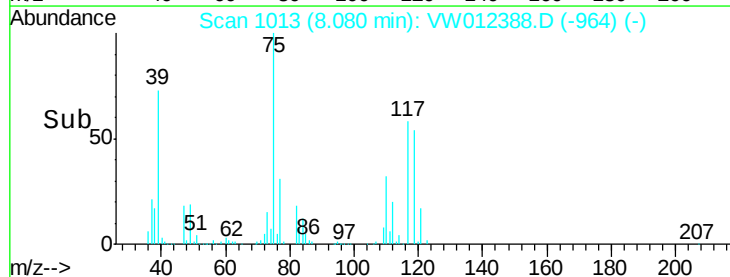
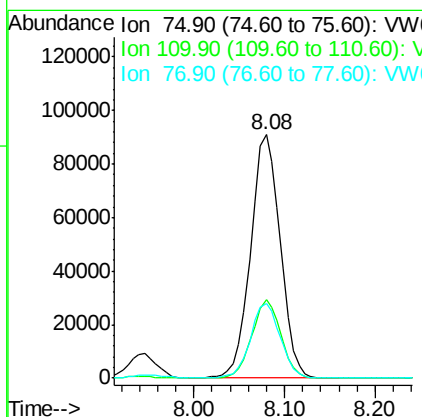
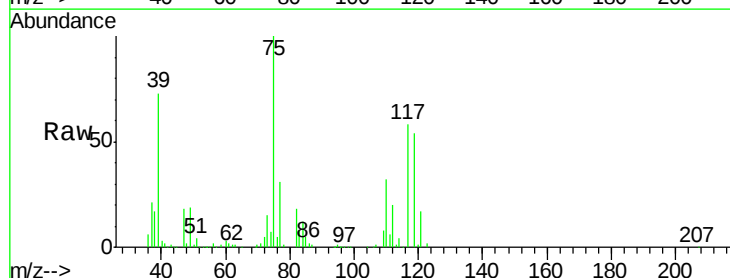
Manual Integrations
 APPROVED

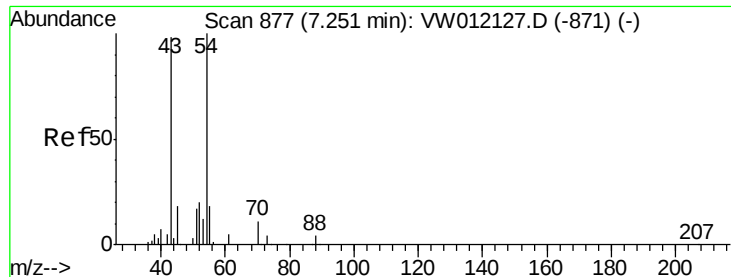
MMDadoda
 9/3/2019 2:42:05 AM



#36
 1,1-Dichloropropene
 Concen: 57.217 ug/l
 RT: 8.08 min Scan# 1013
 Delta R.T. -0.00 min
 Lab File: VW012388.D
 Acq: 31 Aug 2019 09:41

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	205276		
110	31.6	15.6	46.8	
77	31.0	24.6	36.8	





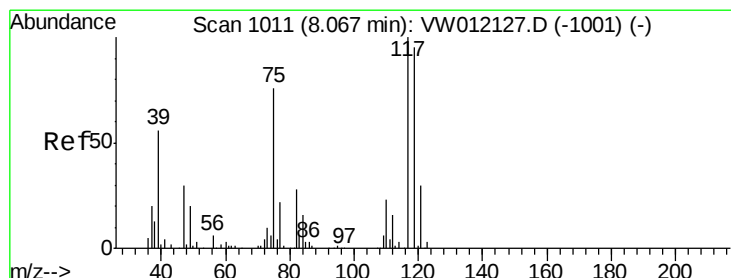
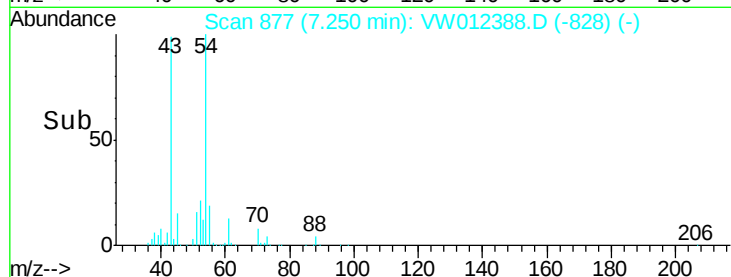
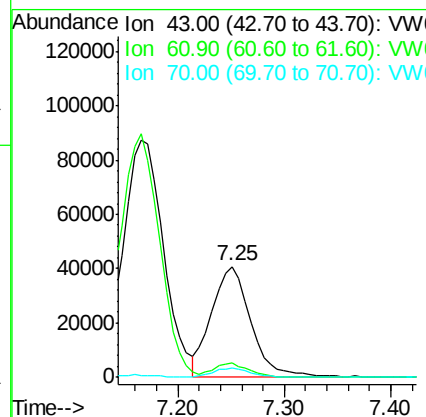
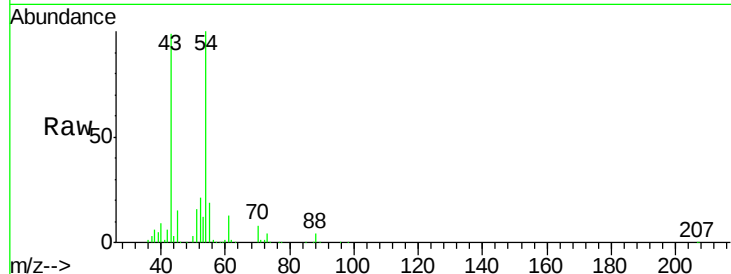
#37
Ethyl Acetate
Concen: 52.352 ug/l
RT: 7.25 min Scan# 877
Delta R.T. -0.00 min
Lab File: VW012388.D
Acq: 31 Aug 2019 09:41

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
43	100		
61	12.0	9.2	13.8
70	8.3	6.9	10.3

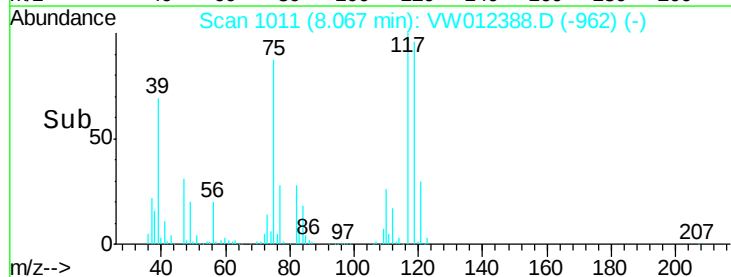
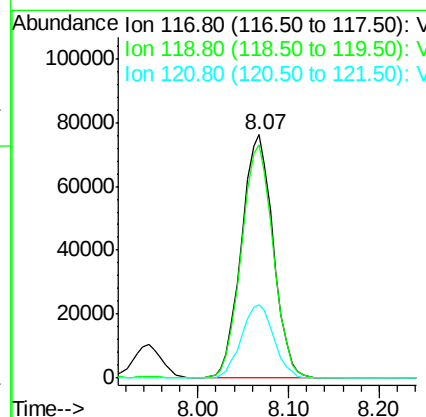
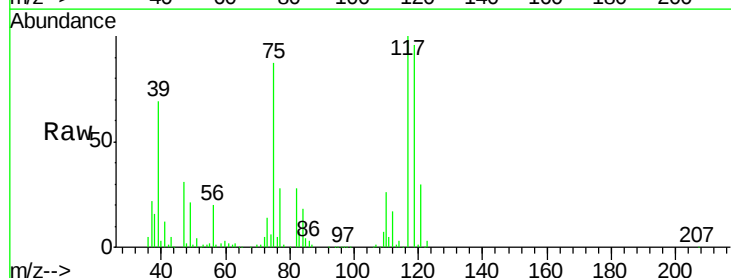
Manual Integrations
APPROVED

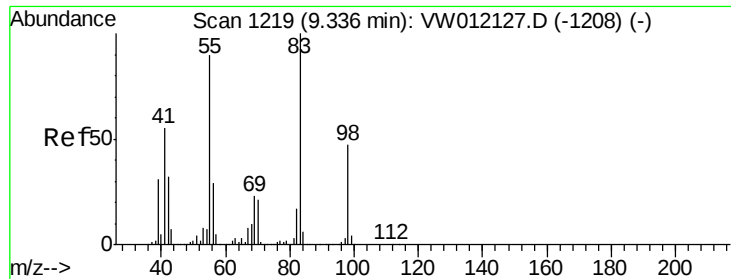
MMDadoda
9/3/2019 2:42:05 AM



#38
Carbon Tetrachloride
Concen: 59.620 ug/l
RT: 8.07 min Scan# 1011
Delta R.T. -0.00 min
Lab File: VW012388.D
Acq: 31 Aug 2019 09:41

Tgt Ion	Ratio	Lower	Upper
117	100		
119	96.1	76.2	114.2
121	30.2	23.8	35.8





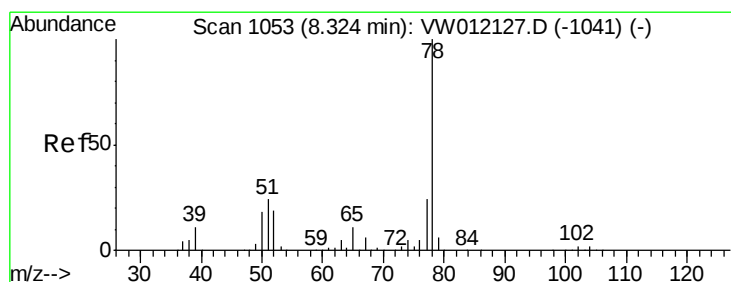
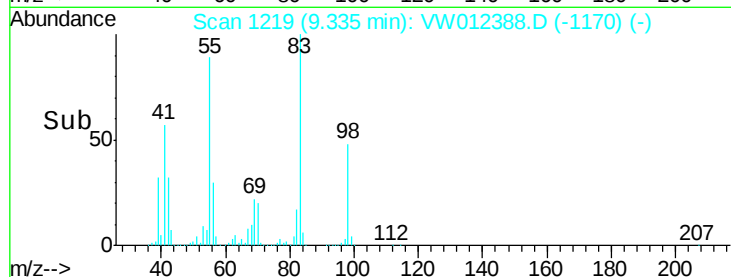
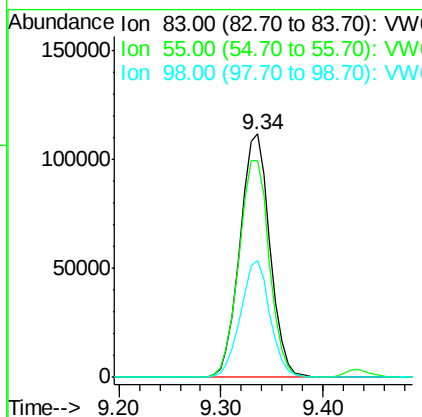
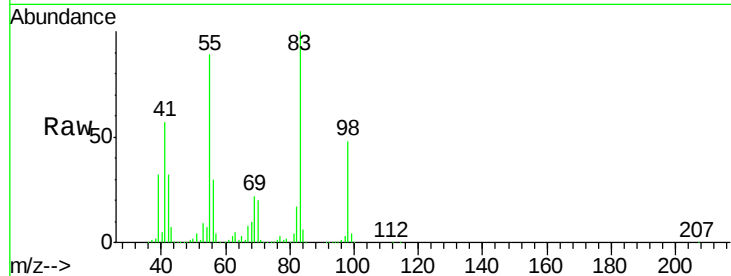
#39
Methvlcvclohexane
Concen: 56.436 ug/l
RT: 9.34 min Scan# 1219
Delta R.T. -0.00 min
Lab File: VW012388.D
Acq: 31 Aug 2019 09:41

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
83	100		
55	88.9	71.8	107.8
98	48.2	37.8	56.8

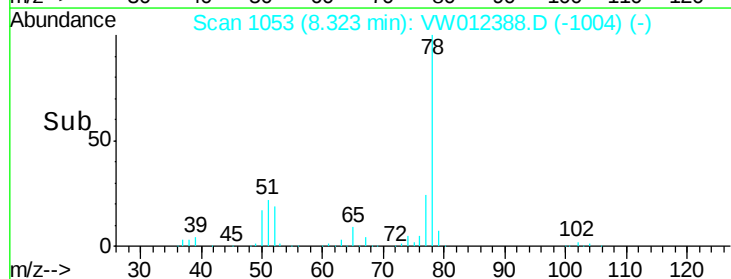
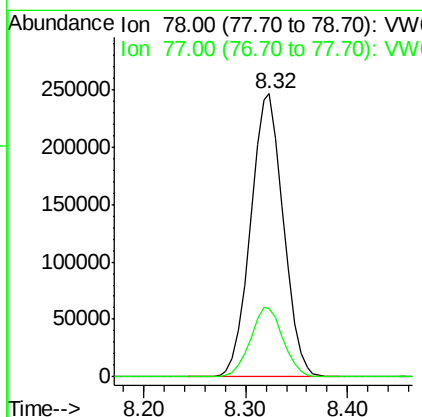
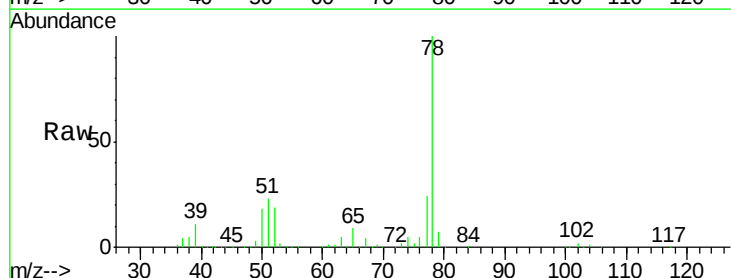
Manual Integrations
APPROVED

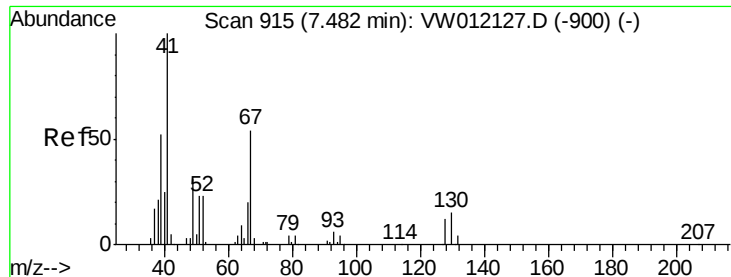
MMDadoda
9/3/2019 2:42:05 AM



#40
Benzene
Concen: 56.189 ug/l
RT: 8.32 min Scan# 1053
Delta R.T. -0.00 min
Lab File: VW012388.D
Acq: 31 Aug 2019 09:41

Tgt Ion	Ratio	Lower	Upper
78	100		
77	24.0	19.5	29.3





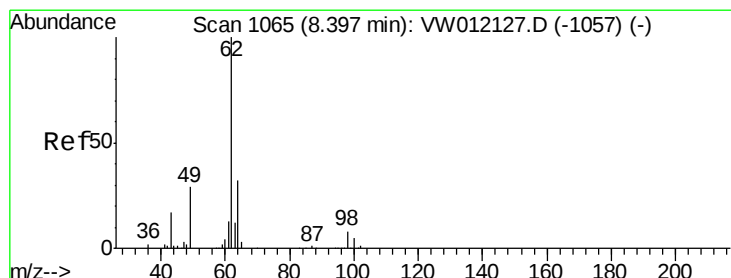
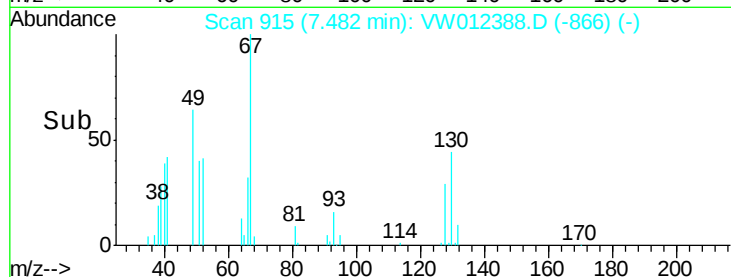
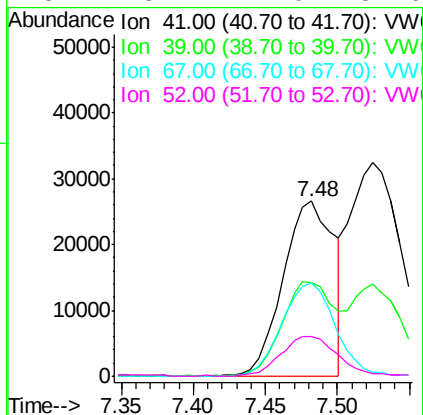
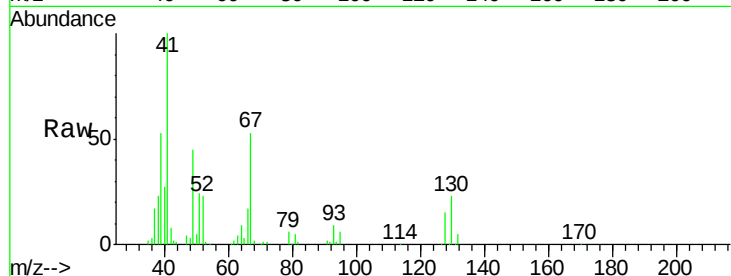
#41
Methacrylonitrile
Concen: 56.911 ug/l
RT: 7.48 min Scan# 915
Delta R.T. -0.00 min
Lab File: VW012388.D
Acq: 31 Aug 2019 09:41

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion	41	Resp	65760
Ion	Ratio	Lower	Upper
41	100		
39	53.8	45.8	68.8
67	56.2	46.2	69.4
52	25.4	21.0	31.6

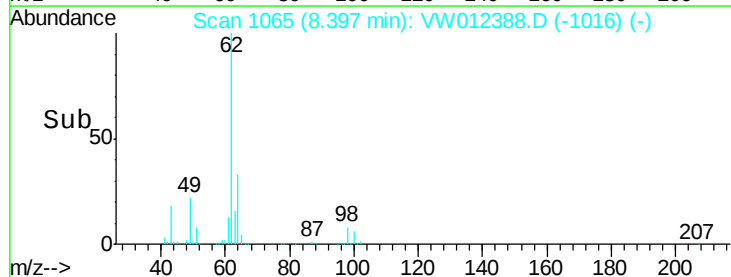
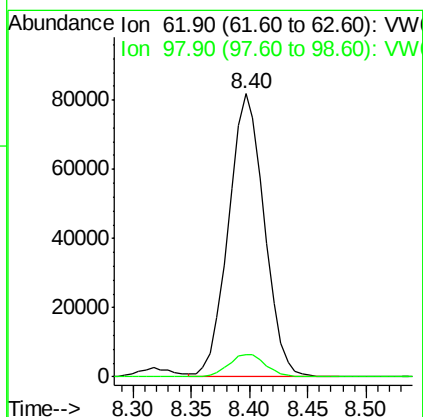
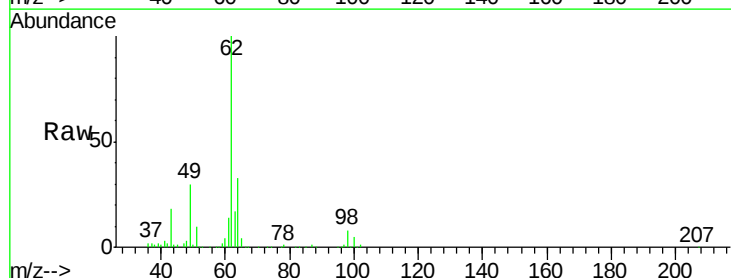
Manual Integrations
APPROVED

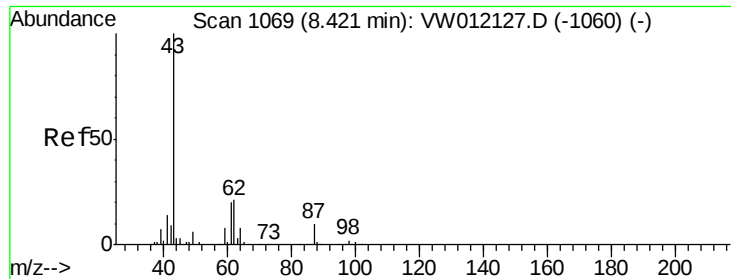
MMDadoda
9/3/2019 2:42:05 AM



#42
1,2-Dichloroethane
Concen: 56.820 ug/l
RT: 8.40 min Scan# 1065
Delta R.T. -0.00 min
Lab File: VW012388.D
Acq: 31 Aug 2019 09:41

Tgt Ion	62	Resp	174454
Ion	Ratio	Lower	Upper
62	100		
98	8.3	0.0	16.6





#43

Isopropyl Acetate

Concen: 53.846 ug/l

RT: 8.42 min Scan# 1069

Delta R.T. -0.00 min

Lab File: VW012388.D

Acq: 31 Aug 2019 09:41

Instrument :

MSVOA_W

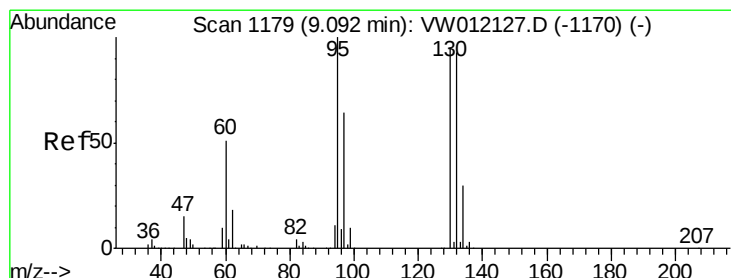
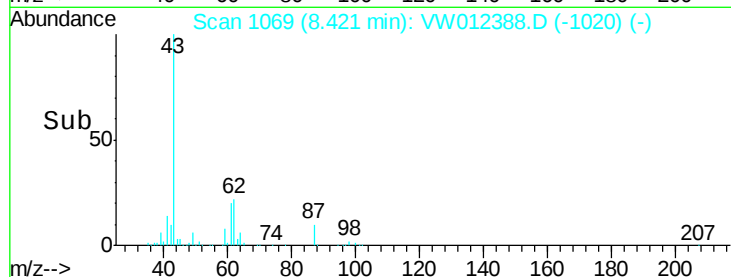
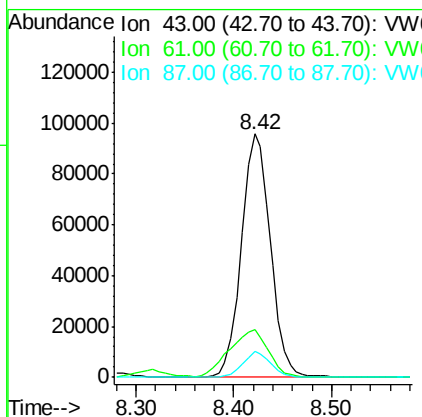
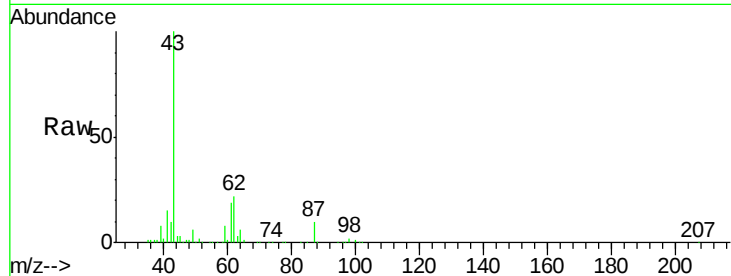
ClientSampleId :

VSTDCCC050

Tot Ion:	43	Resp:	196089
Ion	Ratio	Lower	Upper
43	100		
61	26.6	21.1	31.7
87	10.2	8.2	12.2

Manual Integrations
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#44

Trichloroethene

Concen: 56.765 ug/l

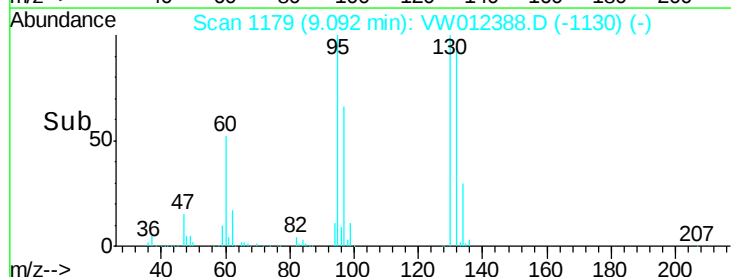
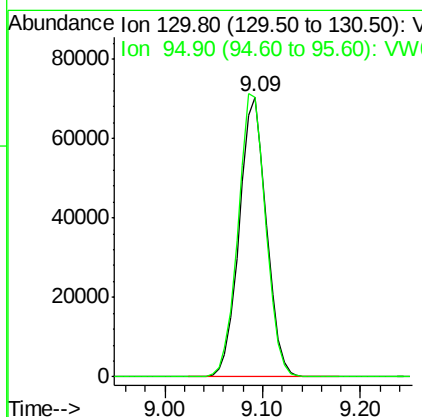
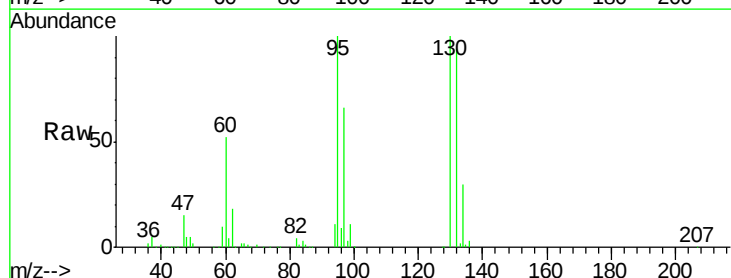
RT: 9.09 min Scan# 1179

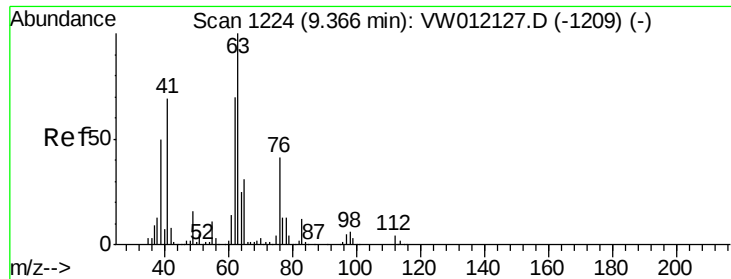
Delta R.T. -0.00 min

Lab File: VW012388.D

Acq: 31 Aug 2019 09:41

Tgt Ion:	130	Resp:	135183
Ion	Ratio	Lower	Upper
130	100		
95	99.8	0.0	210.6





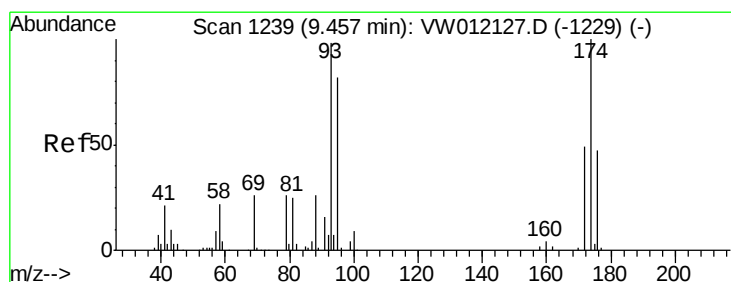
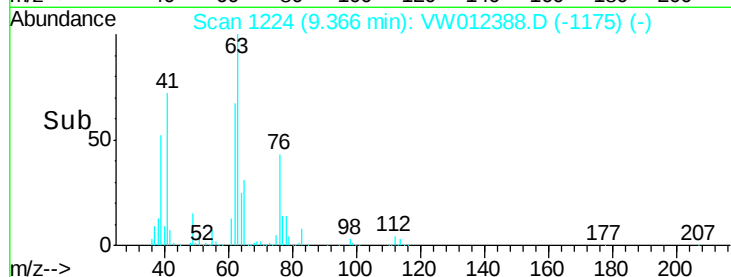
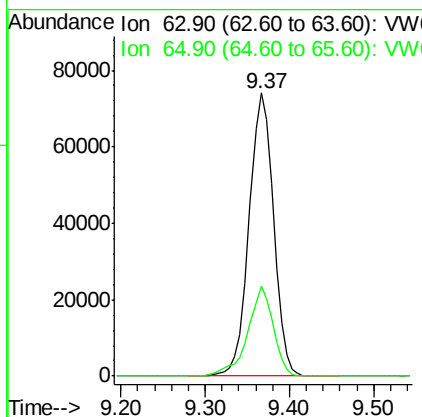
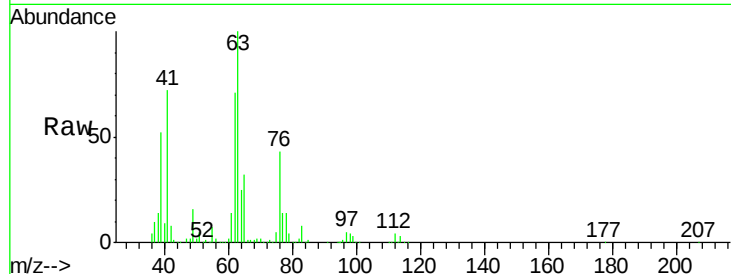
#45
 1,2-Dichloropropane
 Concen: 55.250 ug/l
 RT: 9.37 min Scan# 1224
 Delta R.T. -0.00 min
 Lab File: VW012388.D
 Acq: 31 Aug 2019 09:41

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

Tot Ion: 63 Resp: 145666
 Ion Ratio Lower Upper
 63 100
 65 31.6 25.0 37.4

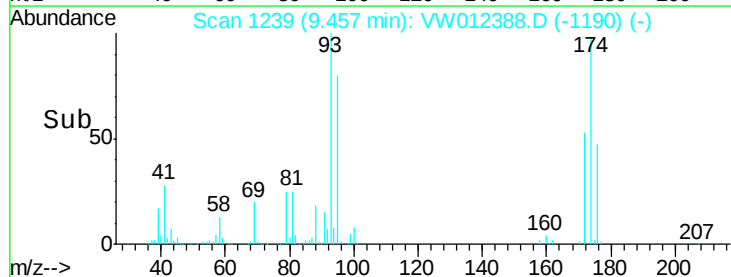
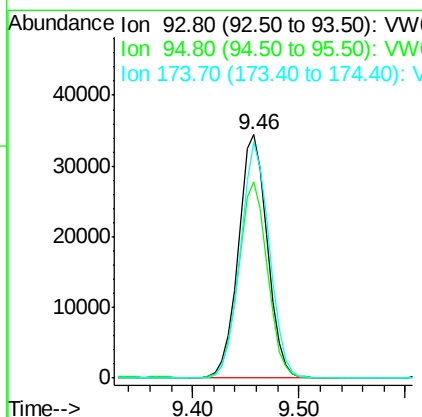
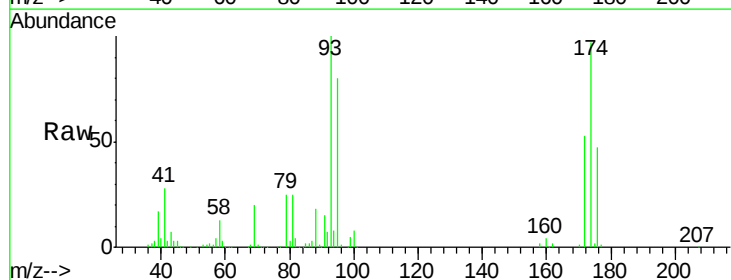
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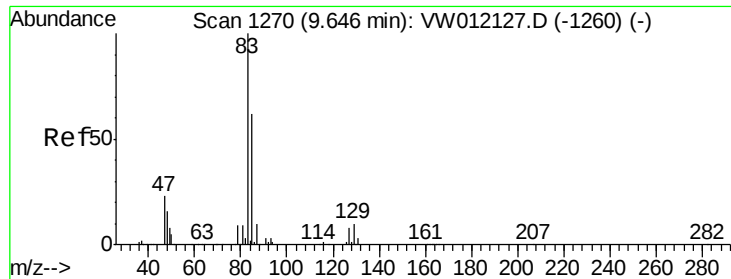
MMDadoda
 9/3/2019 2:42:05 AM



#46
 Dibromomethane
 Concen: 56.059 ug/l
 RT: 9.46 min Scan# 1239
 Delta R.T. -0.00 min
 Lab File: VW012388.D
 Acq: 31 Aug 2019 09:41

Tgt Ion: 93 Resp: 65760
 Ion Ratio Lower Upper
 93 100
 95 81.0 67.2 100.8
 174 97.4 79.0 118.6





#47

Bromodichloromethane

Concen: 57.458 ug/l

RT: 9.64 min Scan# 1269

Delta R.T. -0.01 min

Lab File: VW012388.D

Acq: 31 Aug 2019 09:41

Instrument :

MSVOA_W

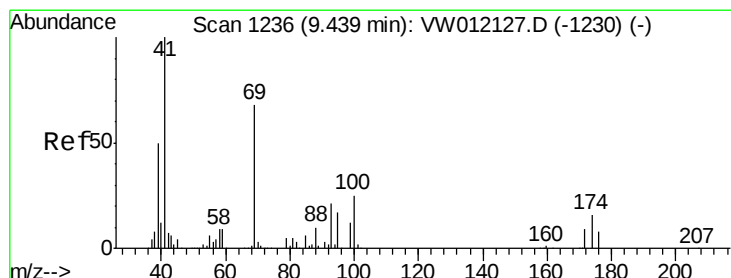
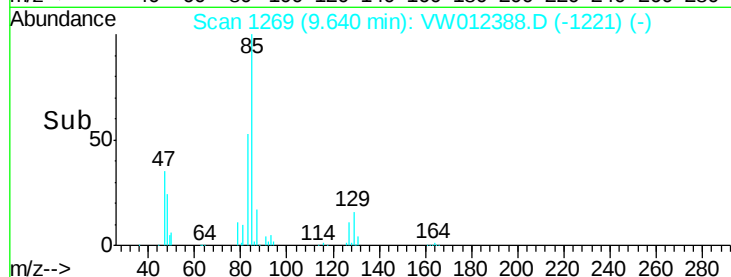
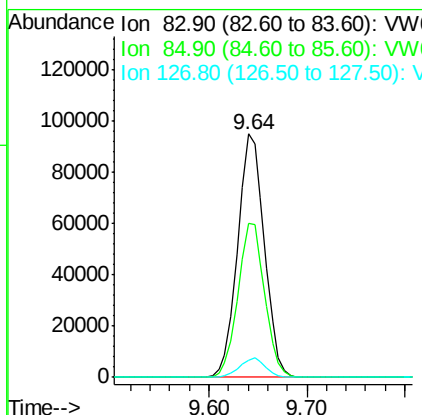
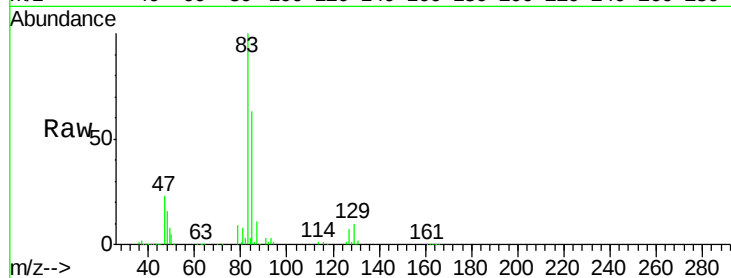
ClientSampleId :

VSTDCCC050

Tot Ion:	83	Resp:	179385
Ion	Ratio	Lower	Upper
83	100		
85	63.1	49.4	74.2
127	6.9	6.1	9.1

Manual Integrations
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MMDadoda
9/3/2019 2:42:05 AM



#48

Methyl methacrylate

Concen: 55.004 ug/l

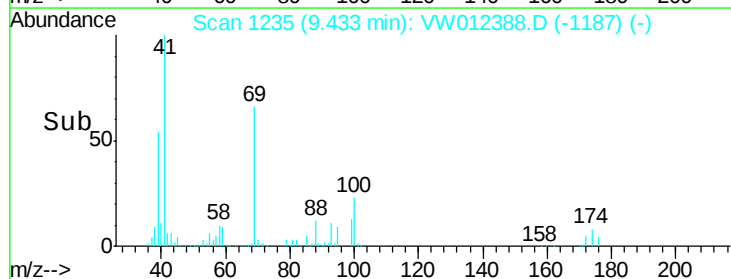
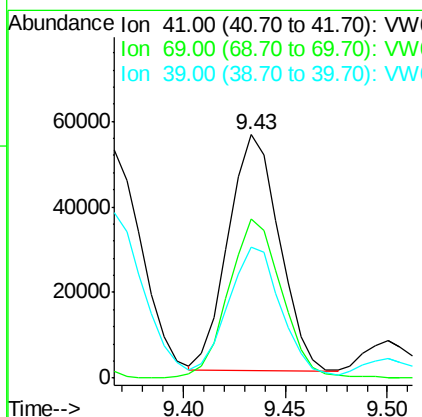
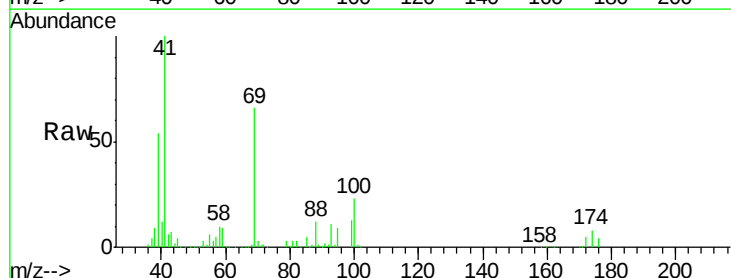
RT: 9.43 min Scan# 1235

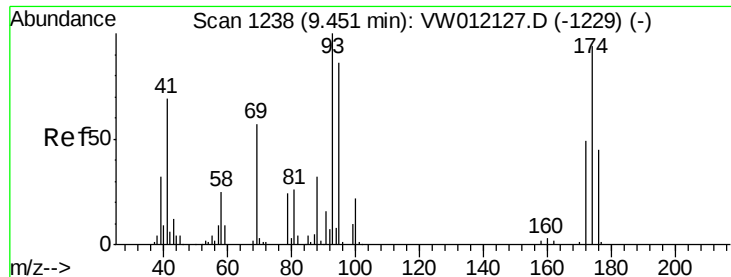
Delta R.T. -0.01 min

Lab File: VW012388.D

Acq: 31 Aug 2019 09:41

Tgt Ion:	41	Resp:	95334
Ion	Ratio	Lower	Upper
41	100		
69	71.1	56.7	85.1
39	55.7	42.0	63.0





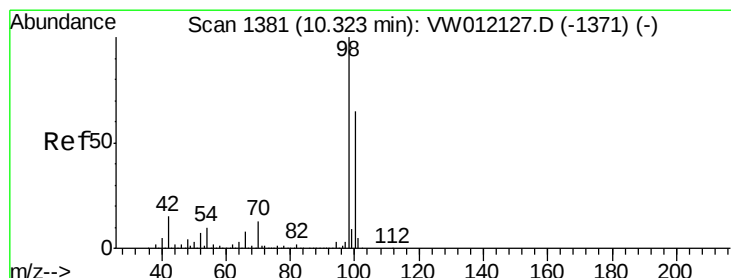
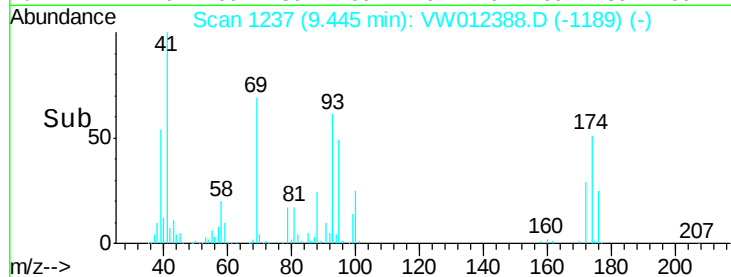
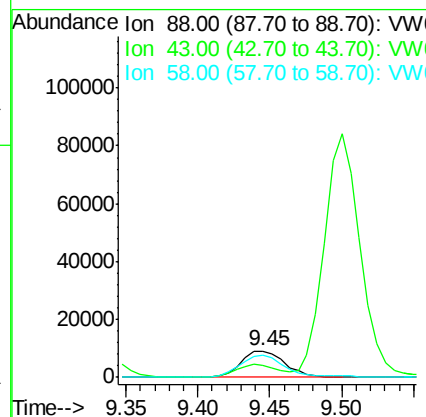
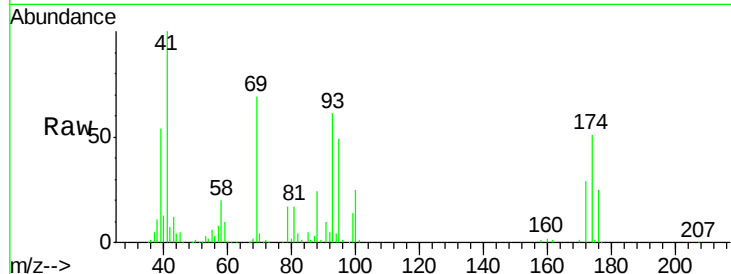
#49
1,4-Dioxane
Concen: 1073.605 ug/l
RT: 9.45 min Scan# 1237
Delta R.T. -0.01 min
Lab File: VW012388.D
Acq: 31 Aug 2019 09:41

Instrument :
MSVOA_W
ClientSampled :
VSTDCCC050

Tot Ion: 88 Resp: 19280
Ion Ratio Lower Upper
88 100
43 46.0 32.9 49.3
58 83.8 71.0 106.4

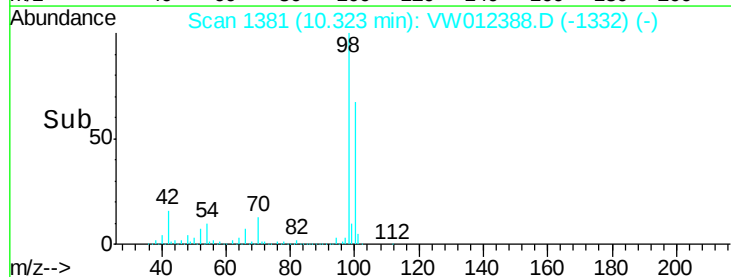
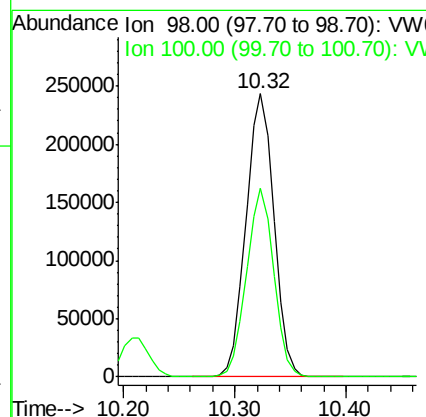
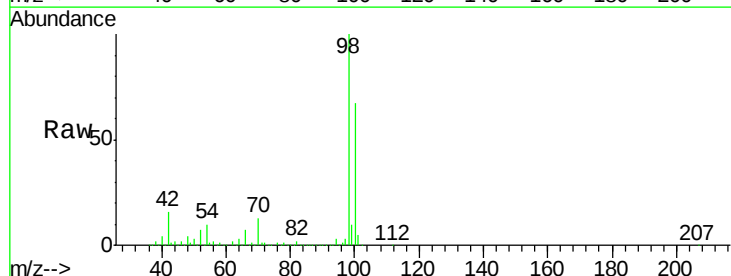
Manual Integrations
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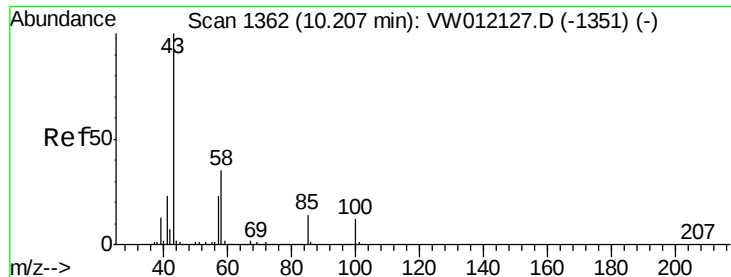
MMDadoda
9/3/2019 2:42:05 AM



#50
Toluene-d8
Concen: 50.579 ug/l
RT: 10.32 min Scan# 1381
Delta R.T. -0.00 min
Lab File: VW012388.D
Acq: 31 Aug 2019 09:41

Tgt Ion: 98 Resp: 424997
Ion Ratio Lower Upper
98 100
100 65.0 52.4 78.6





#51

4-Methyl-2-Pentanone

Concen: 274.635 ug/l

RT: 10.21 min Scan# 1362

Delta R.T. -0.00 min

Lab File: VW012388.D

Acq: 31 Aug 2019 09:41

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 508691

Ion Ratio Lower Upper

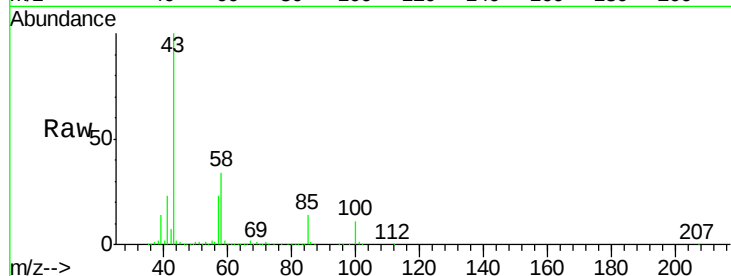
43 100

58 34.8 28.2 42.2

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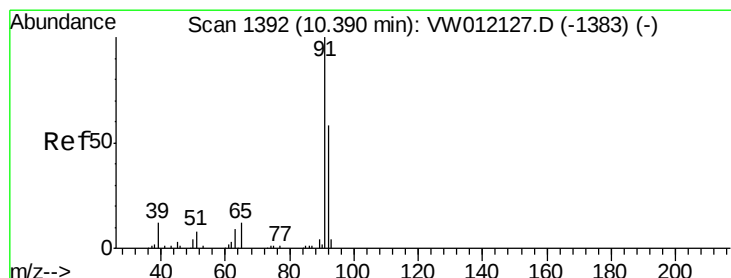
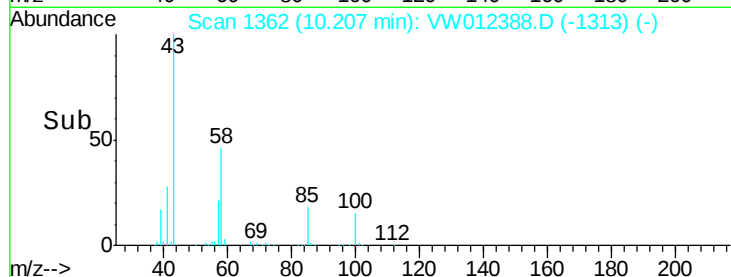
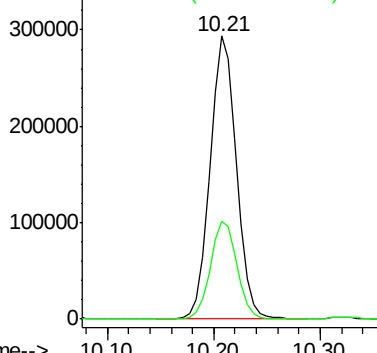
MMDadoda

9/3/2019 2:42:05 AM



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW



#52

Toluene

Concen: 56.918 ug/l

RT: 10.38 min Scan# 1391

Delta R.T. -0.01 min

Lab File: VW012388.D

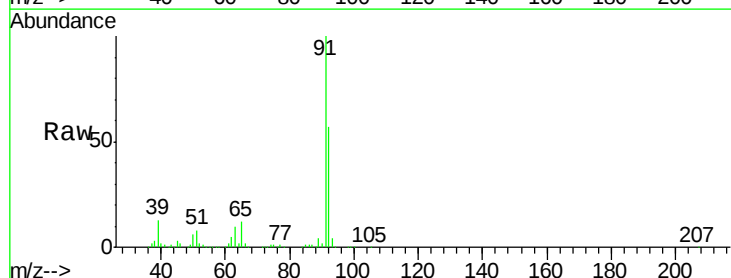
Acq: 31 Aug 2019 09:41

Tgt Ion: 92 Resp: 334970

Ion Ratio Lower Upper

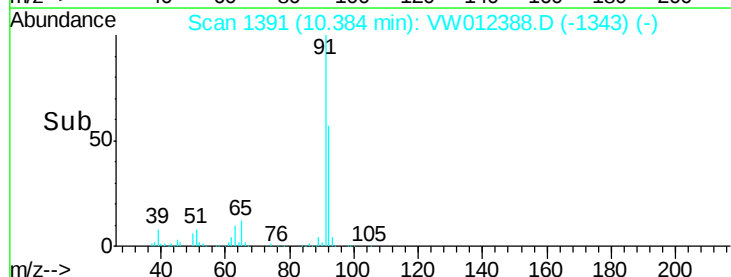
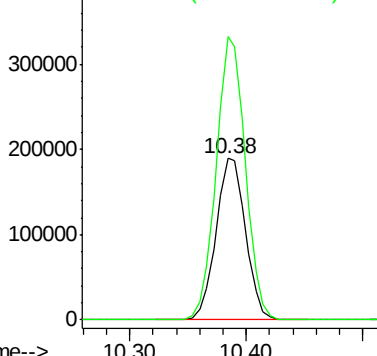
92 100

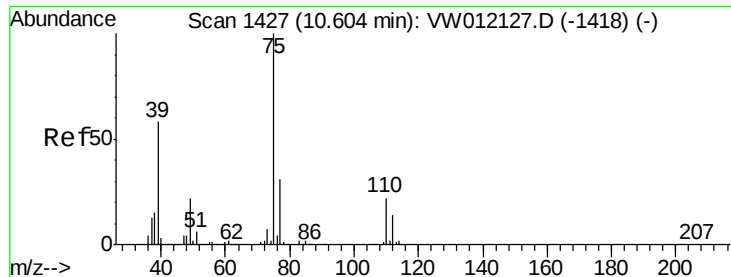
91 173.1 136.6 204.8



Abundance Ion 92.00 (91.70 to 92.70): VW

Ion 91.00 (90.70 to 91.70): VW





#53

t-1,3-Dichloropropene

Concen: 57.847 ug/l

RT: 10.60 min Scan# 1427

Delta R.T. -0.00 min

Lab File: VW012388.D

Acq: 31 Aug 2019 09:41

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

Tot Ion: 75 Resp: 183963

Ion Ratio Lower Upper

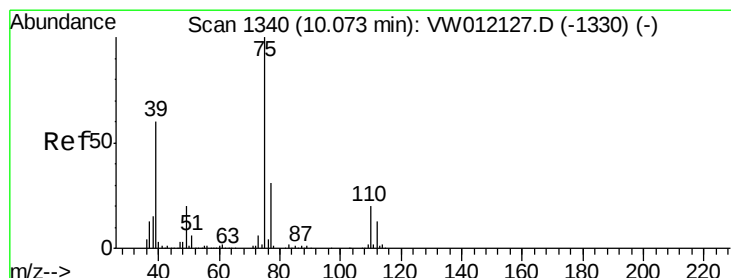
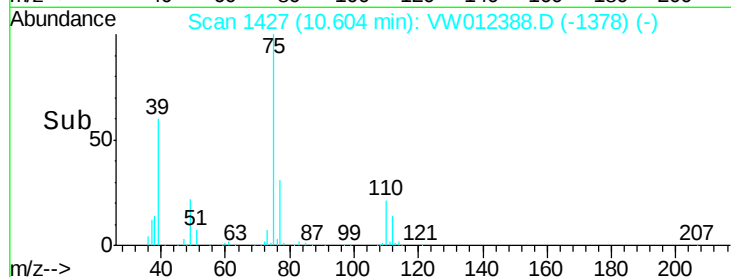
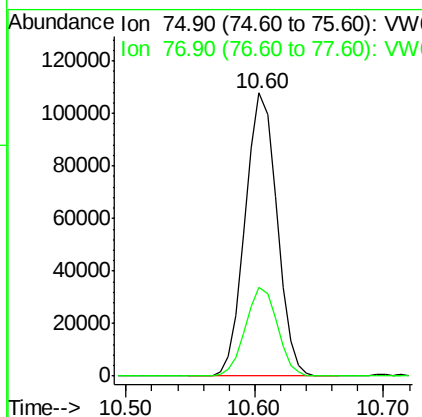
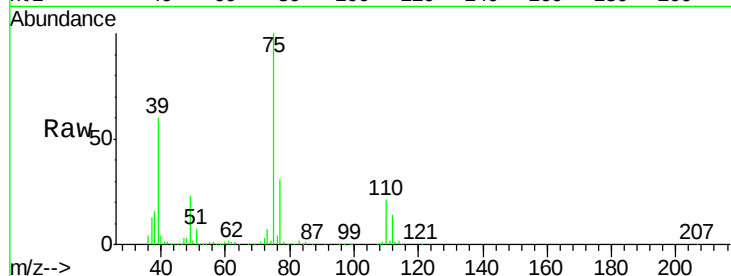
75 100

77 31.4 25.0 37.4

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#54

cis-1,3-Dichloropropene

Concen: 56.509 ug/l

RT: 10.07 min Scan# 1340

Delta R.T. -0.00 min

Lab File: VW012388.D

Acq: 31 Aug 2019 09:41

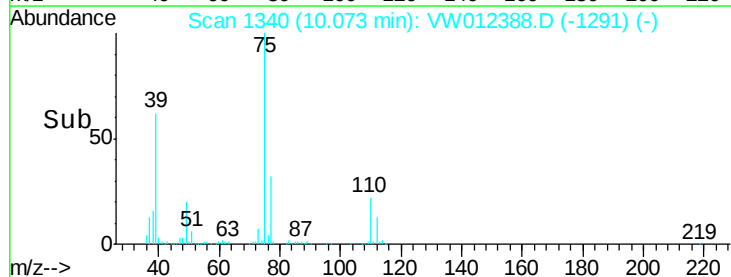
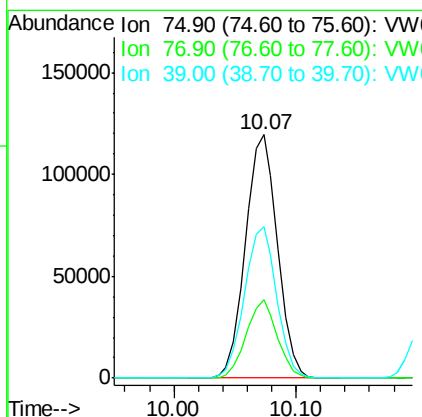
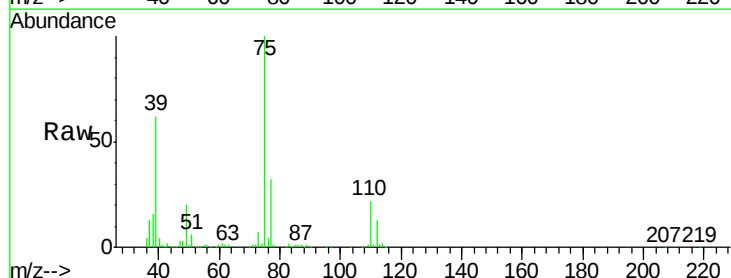
Tgt Ion: 75 Resp: 216986

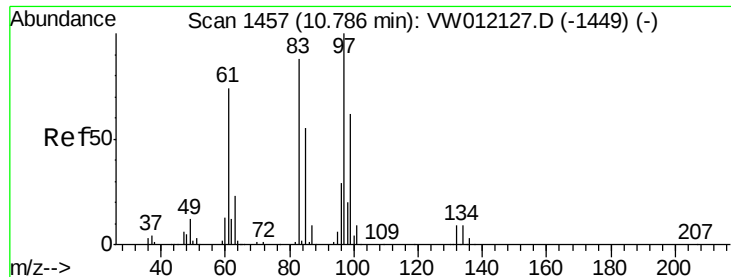
Ion Ratio Lower Upper

75 100

77 32.0 25.1 37.7

39 62.3 48.3 72.5





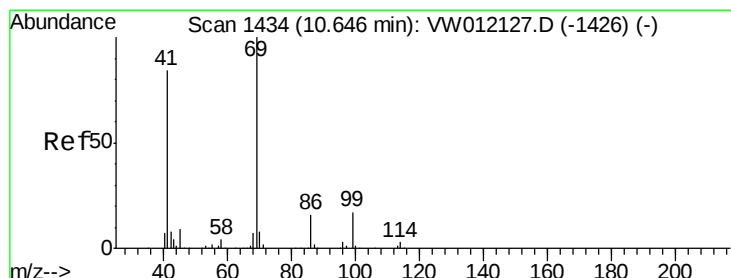
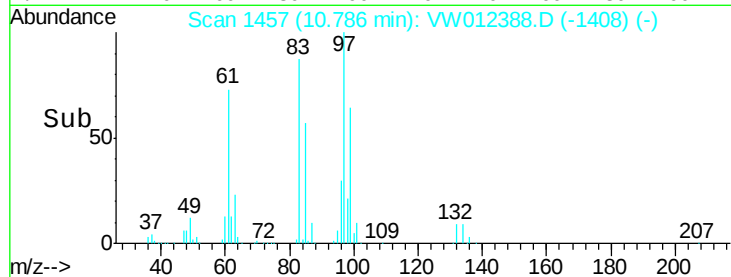
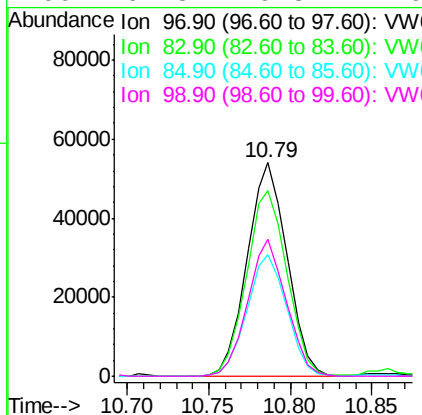
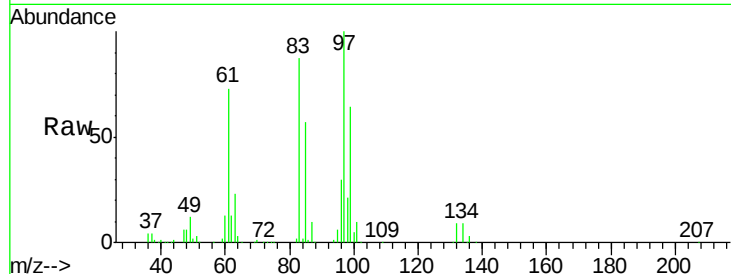
#55
 1,1,2-Trichloroethane
 Concen: 55.415 ug/l
 RT: 10.79 min Scan# 1457
 Delta R.T. -0.00 min
 Lab File: VW012388.D
 Acq: 31 Aug 2019 09:41

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

Tot Ion:	97	Resp:	91973
Ion	Ratio	Lower	Upper
97	100		
83	87.0	70.8	106.2
85	56.7	43.8	65.8
99	64.3	49.8	74.6

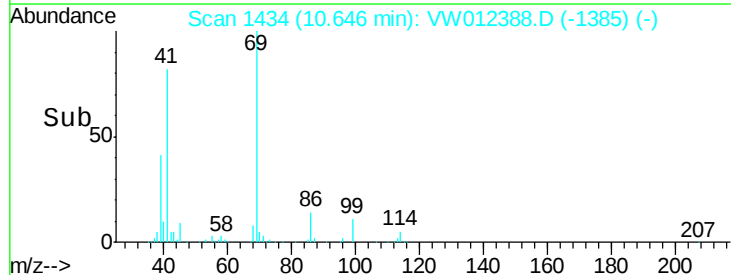
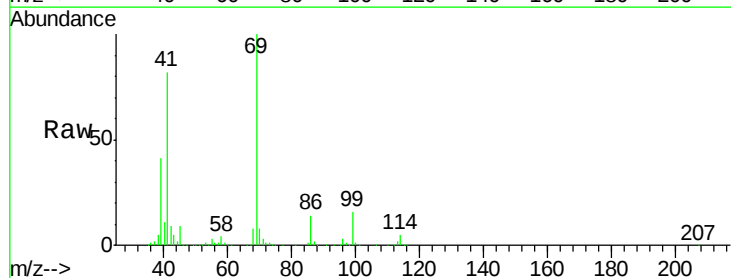
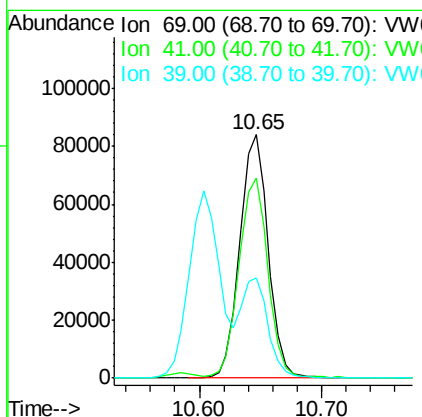
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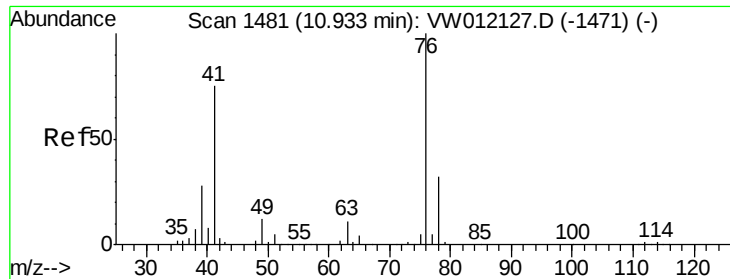
MMDadoda
 9/3/2019 2:42:05 AM



#56
 Ethyl methacrylate
 Concen: 55.653 ug/l
 RT: 10.65 min Scan# 1434
 Delta R.T. -0.00 min
 Lab File: VW012388.D
 Acq: 31 Aug 2019 09:41

Tgt Ion:	69	Resp:	134435
Ion	Ratio	Lower	Upper
69	100		
41	83.6	66.5	99.7
39	38.3	31.0	46.4





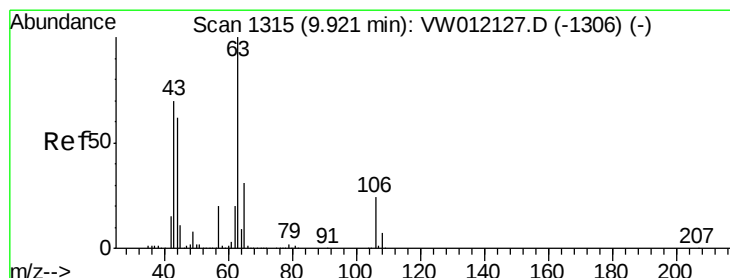
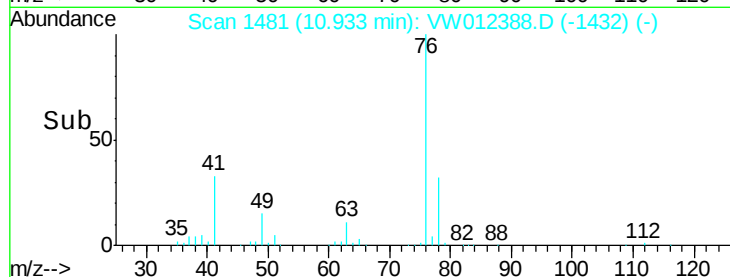
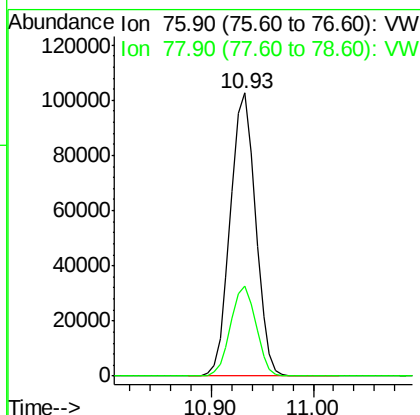
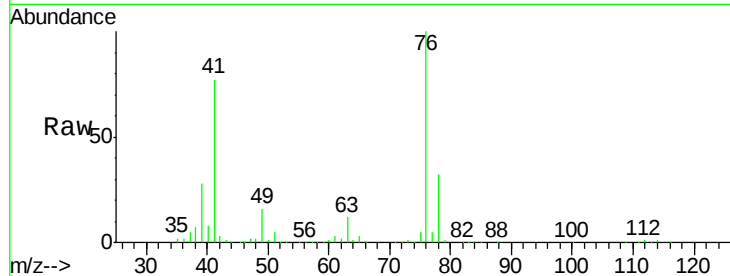
#57
 1,3-Dichloropropane
 Concen: 56.061 ug/l
 RT: 10.93 min Scan# 1481
 Delta R.T. -0.00 min
 Lab File: VW012388.D
 Acq: 31 Aug 2019 09:41

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
76	100		
78	32.1	25.8	38.8

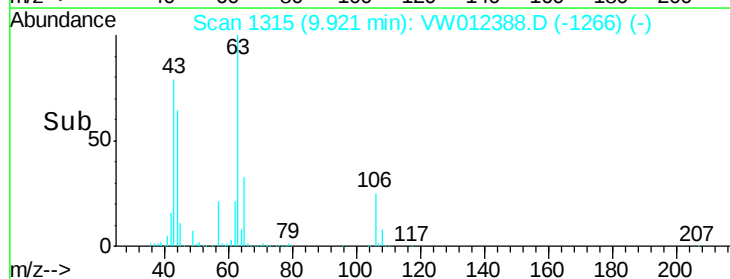
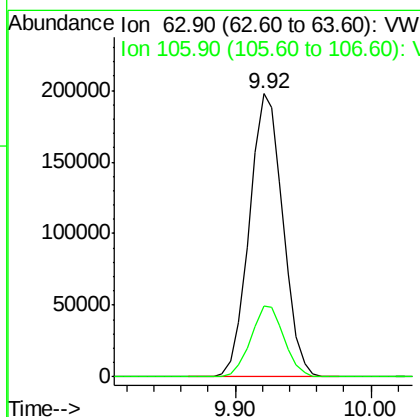
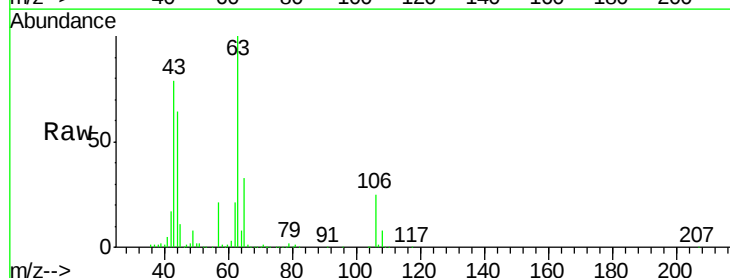
Manual Integrations
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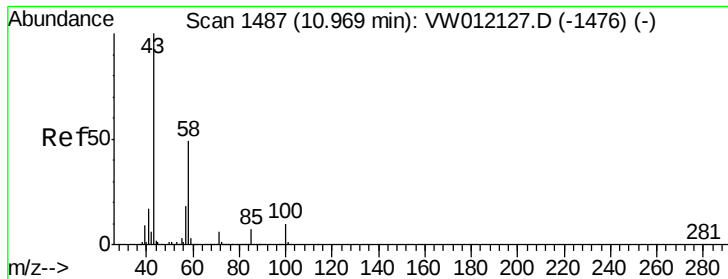
MMDadoda
 9/3/2019 2:42:05 AM



#58
 2-Chloroethyl Vinyl ether
 Concen: 275.746 ug/l
 RT: 9.92 min Scan# 1315
 Delta R.T. -0.00 min
 Lab File: VW012388.D
 Acq: 31 Aug 2019 09:41

Tgt Ion	Ratio	Lower	Upper
63	100		
106	24.8	19.8	29.8





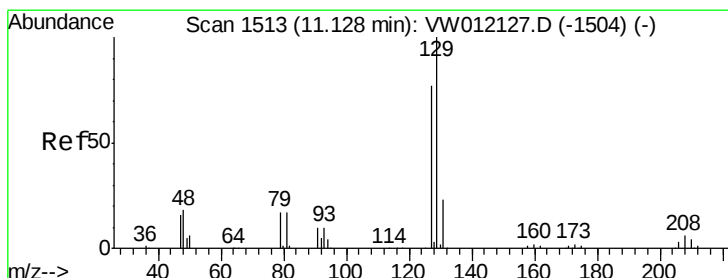
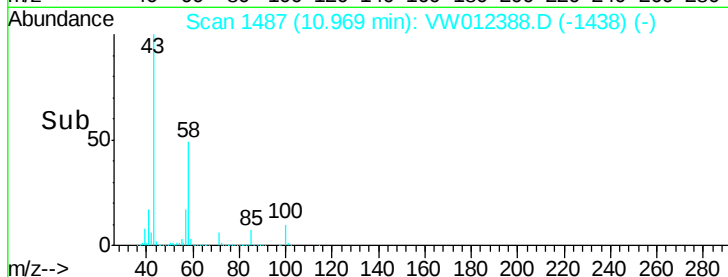
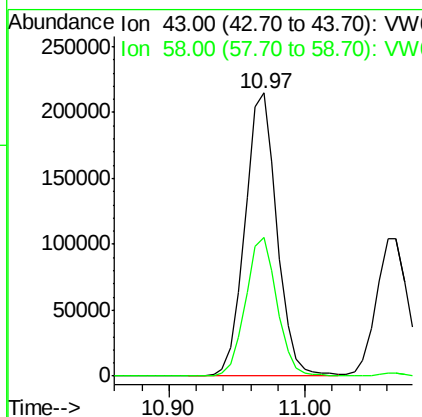
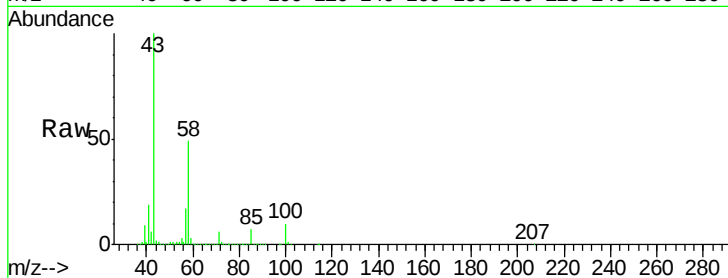
#59
2-Hexanone
Concen: 268.760 ug/l
RT: 10.97 min Scan# 1487
Delta R.T. -0.00 min
Lab File: VW012388.D
Acq: 31 Aug 2019 09:41

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion	43	Resp	352233
Ion Ratio	100	Lower	Upper
43	100		
58	48.3	24.3	72.9

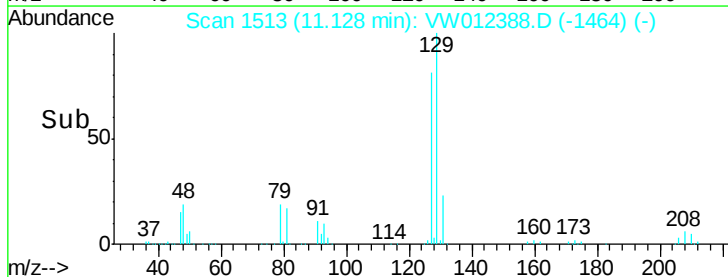
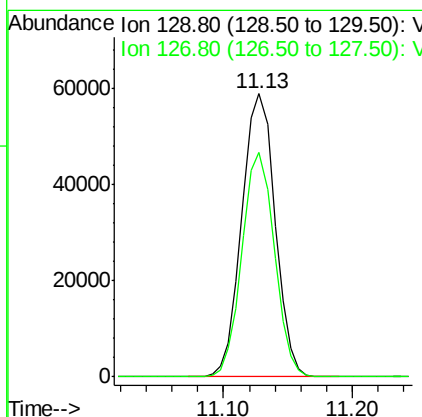
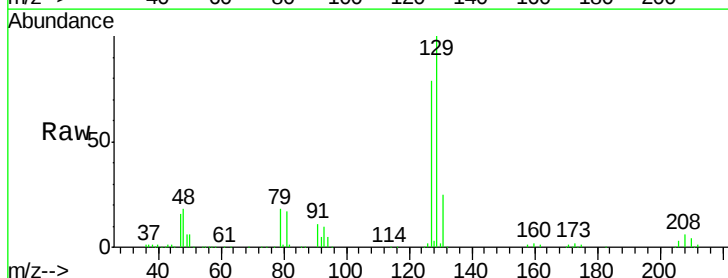
Manual Integrations
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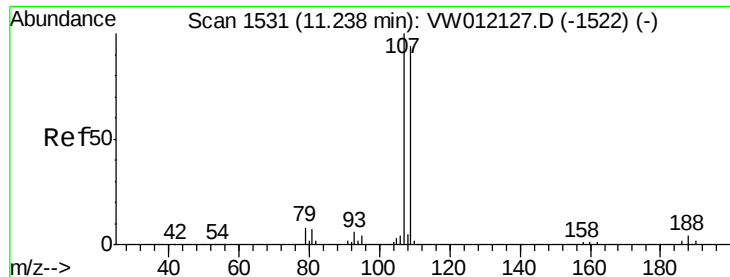
MMDadoda
9/3/2019 2:42:05 AM



#60
Dibromochloromethane
Concen: 56.994 ug/l
RT: 11.13 min Scan# 1513
Delta R.T. -0.00 min
Lab File: VW012388.D
Acq: 31 Aug 2019 09:41

Tgt Ion	129	Resp	105362
Ion Ratio	100	Lower	Upper
129	100		
127	77.4	38.6	115.8





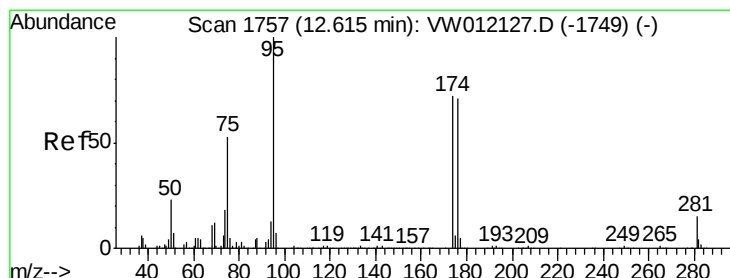
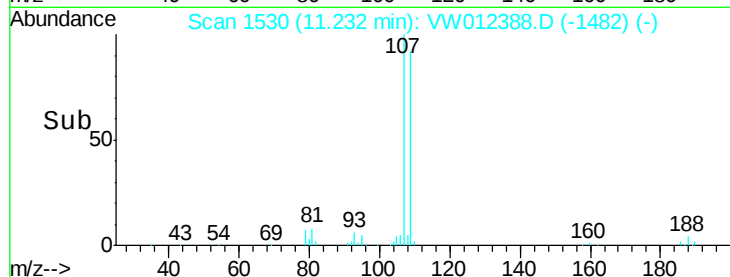
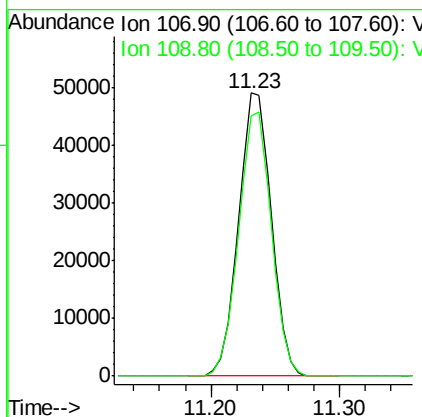
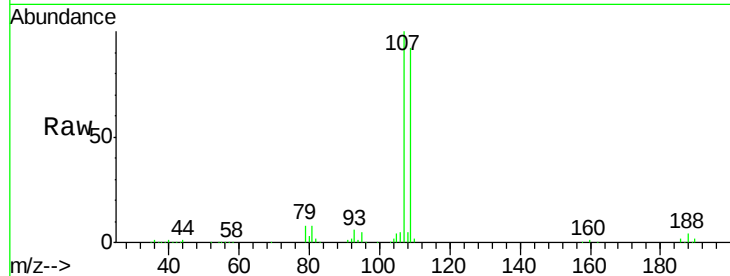
#61
 1,2-Dibromoethane
 Concen: 55.916 ug/l
 RT: 11.23 min Scan# 1530
 Delta R.T. -0.01 min
 Lab File: VW012388.D
 Acq: 31 Aug 2019 09:41

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
107	100		
109	93.4	75.4	113.2

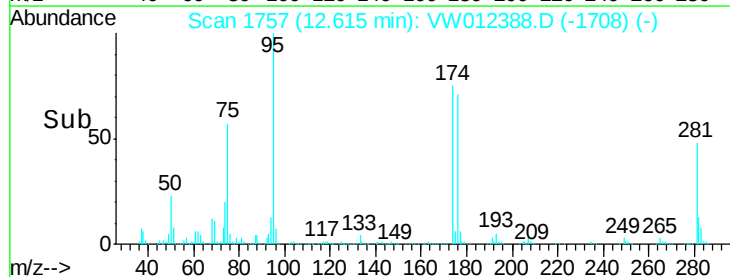
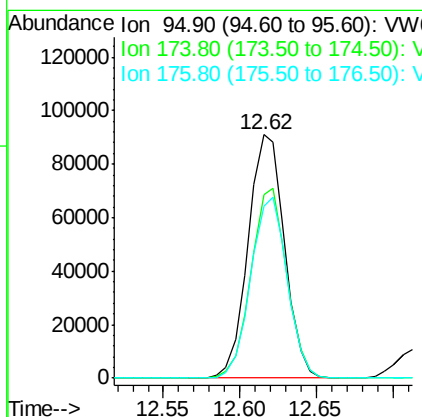
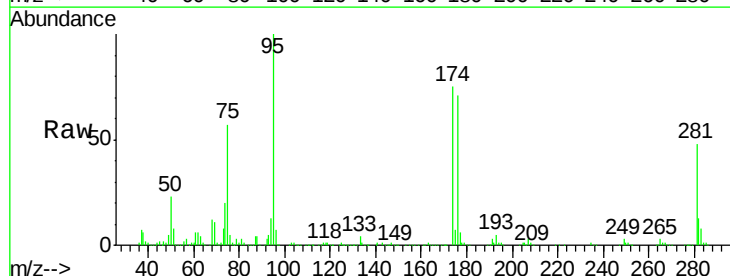
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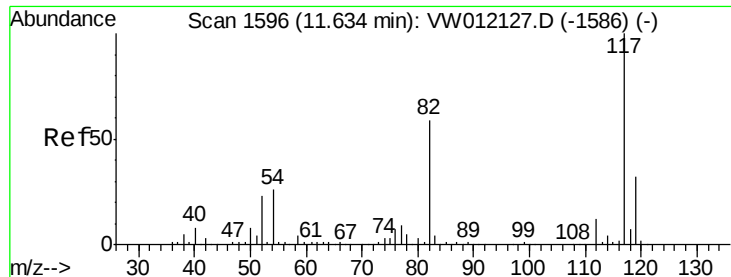
MMDadoda
 9/3/2019 2:42:05 AM



#62
 4-Bromofluorobenzene
 Concen: 50.834 ug/l
 RT: 12.62 min Scan# 1757
 Delta R.T. -0.00 min
 Lab File: VW012388.D
 Acq: 31 Aug 2019 09:41

Tgt Ion	Ratio	Lower	Upper
95	100		
174	76.6	0.0	150.8
176	74.2	0.0	148.6





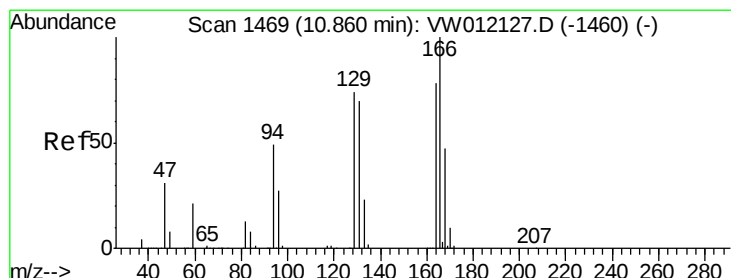
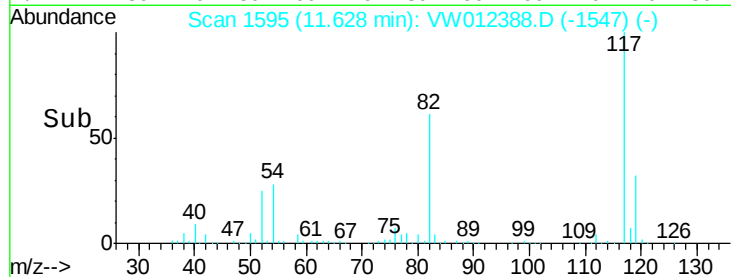
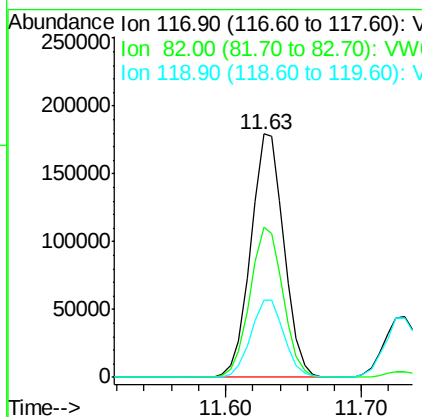
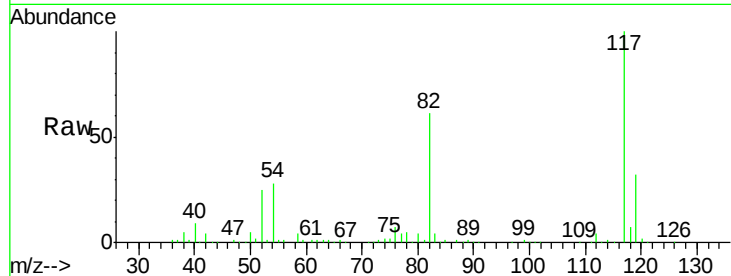
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1595
Delta R.T. -0.01 min
Lab File: VW012388.D
Acq: 31 Aug 2019 09:41

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
117	100	306201		
82	61.5		47.4	71.2
119	31.9		25.4	38.2

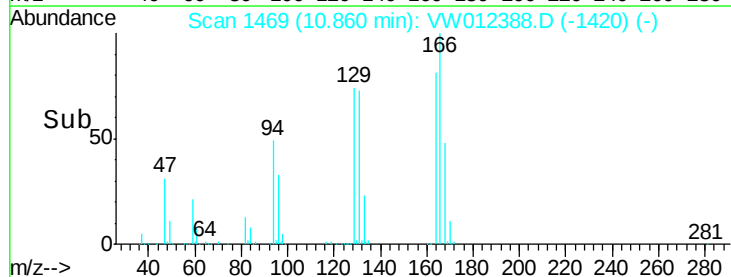
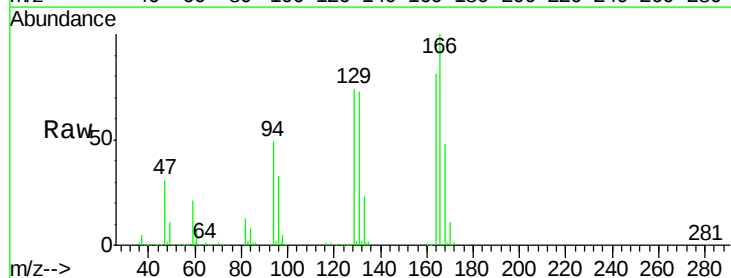
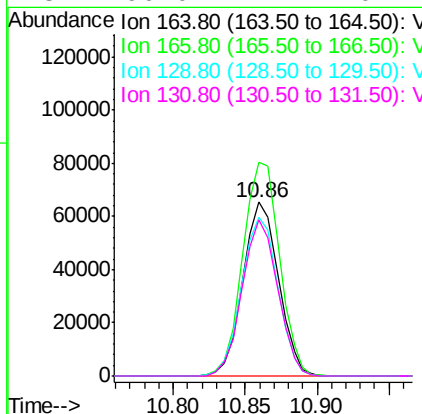
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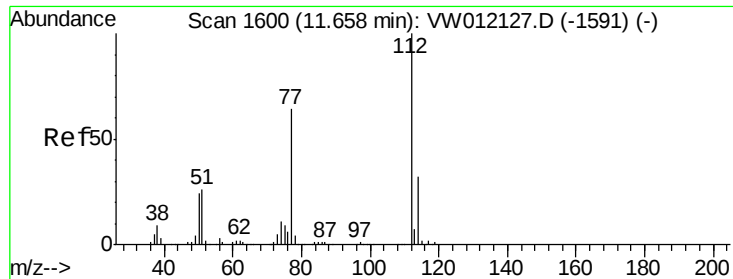
MMDadoda
9/3/2019 2:42:05 AM



#64
Tetrachloroethene
Concen: 56.434 ug/l
RT: 10.86 min Scan# 1469
Delta R.T. -0.00 min
Lab File: VW012388.D
Acq: 31 Aug 2019 09:41

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	112032		
166	123.1		102.4	153.6
129	91.6		75.8	113.6
131	90.0		71.4	107.2





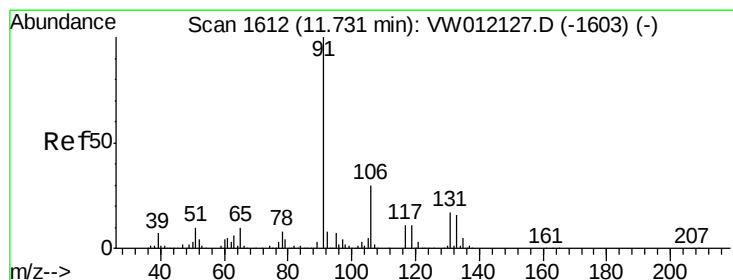
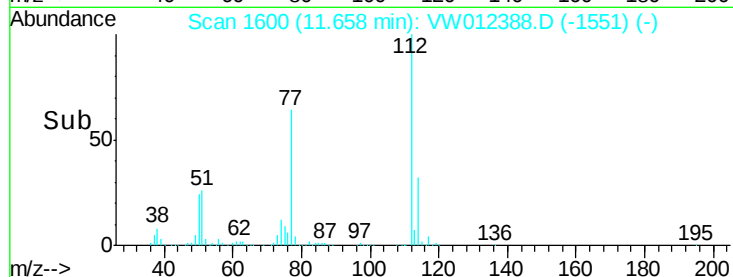
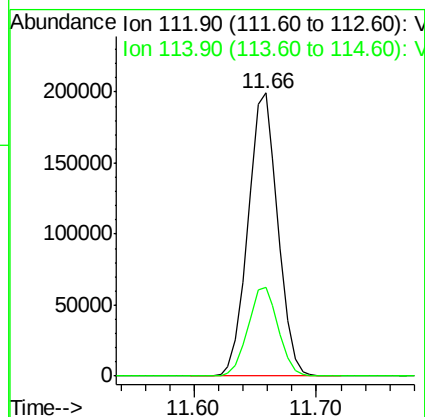
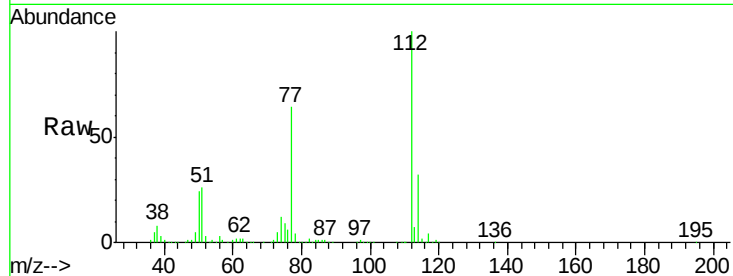
#65
Chlorobenzene
Concen: 55.846 ug/l
RT: 11.66 min Scan# 1600
Delta R.T. -0.00 min
Lab File: VW012388.D
Acq: 31 Aug 2019 09:41

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion:112 Resp: 336715
Ion Ratio Lower Upper
112 100
114 31.5 25.8 38.6

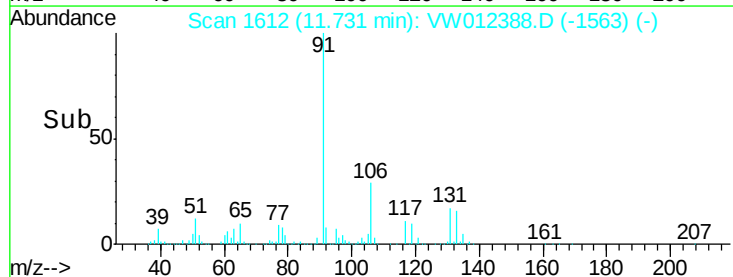
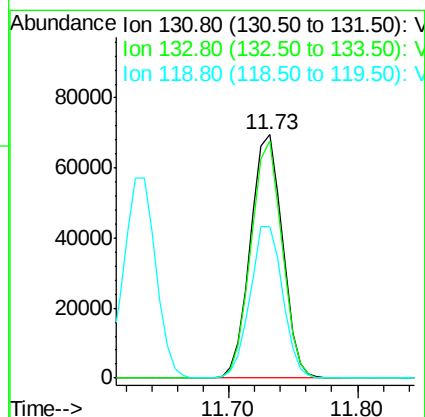
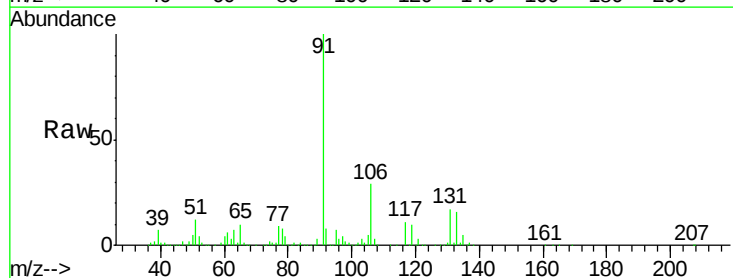
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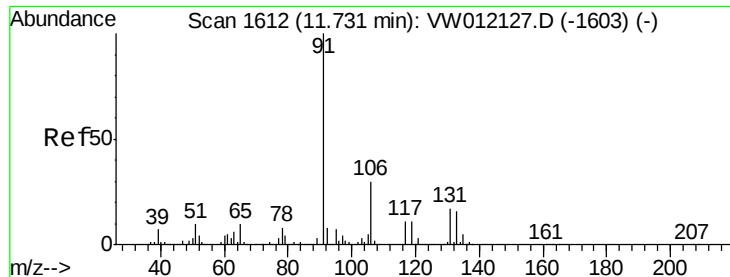
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#66
1,1,1,2-Tetrachloroethane
Concen: 56.816 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. -0.00 min
Lab File: VW012388.D
Acq: 31 Aug 2019 09:41

Tgt Ion:131 Resp: 119506
Ion Ratio Lower Upper
131 100
133 94.5 47.1 141.3
119 63.2 31.8 95.3





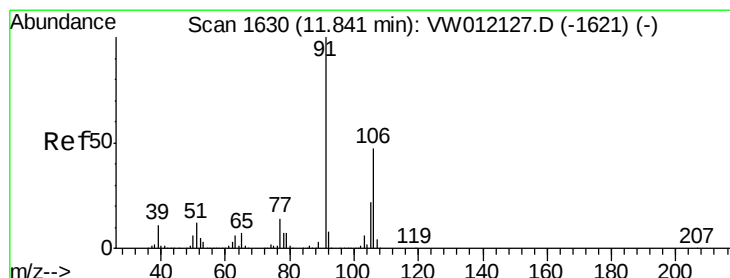
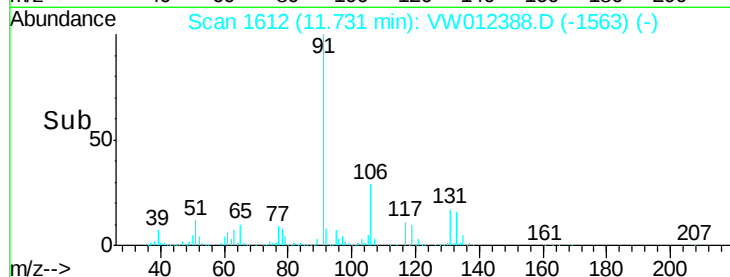
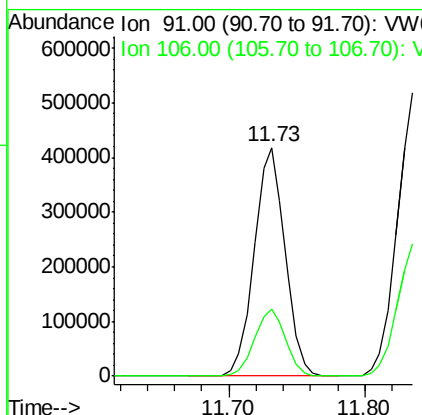
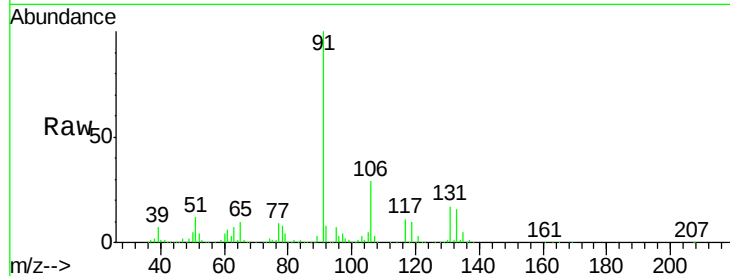
#67
Ethyl Benzene
Concen: 57.108 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. -0.00 min
Lab File: VW012388.D
Acq: 31 Aug 2019 09:41

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion: 91 Resp: 663280
Ion Ratio Lower Upper
91 100
106 29.4 24.3 36.5

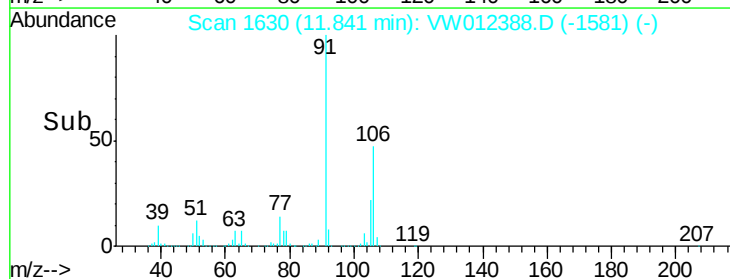
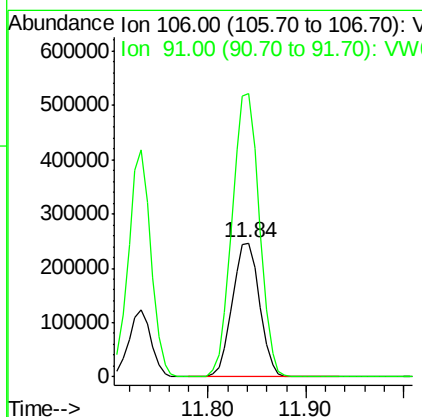
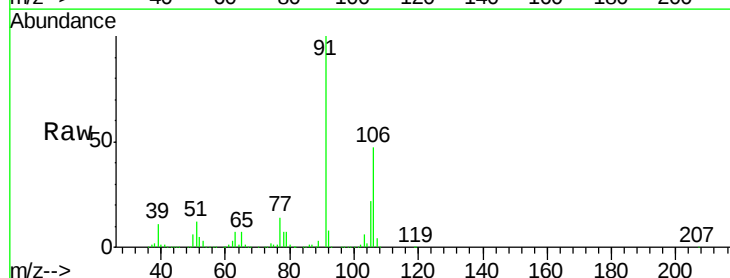
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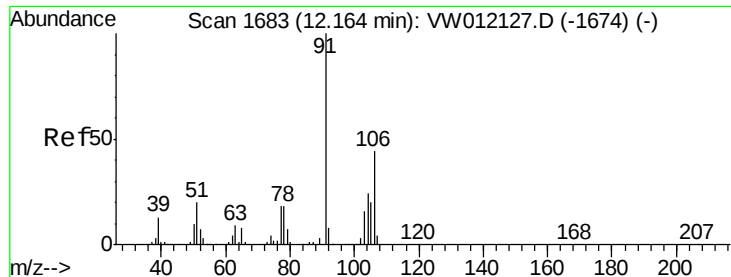
MMDadoda
9/3/2019 2:42:05 AM



#68
m/p-Xylenes
Concen: 114.066 ug/l
RT: 11.84 min Scan# 1630
Delta R.T. -0.00 min
Lab File: VW012388.D
Acq: 31 Aug 2019 09:41

Tgt Ion: 106 Resp: 477216
Ion Ratio Lower Upper
106 100
91 211.4 169.5 254.3





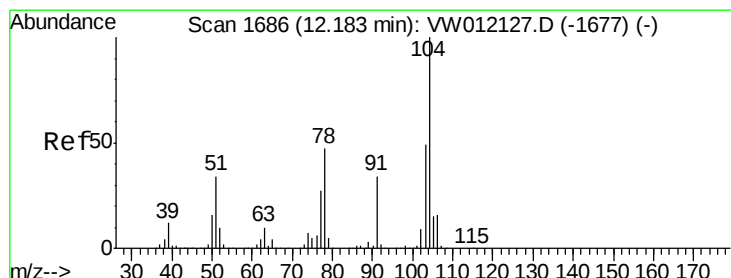
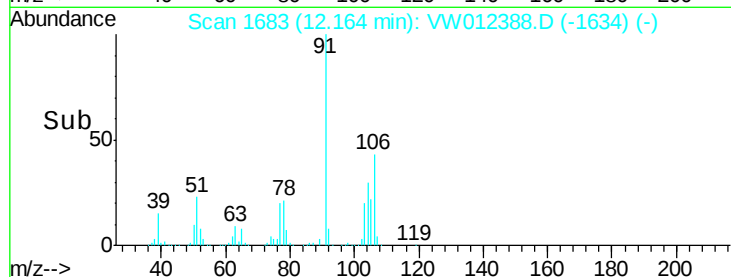
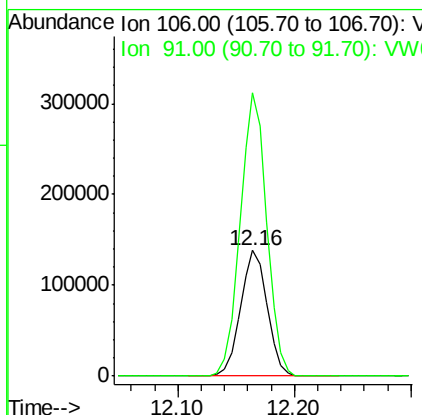
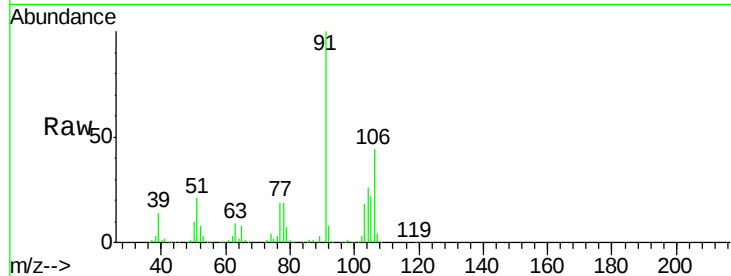
#69
o-Xylene
Concen: 56.874 ug/l
RT: 12.16 min Scan# 1683
Delta R.T. -0.00 min
Lab File: VW012388.D
Acq: 31 Aug 2019 09:41

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
106	100	220223		
91	224.0	111.6	334.6	

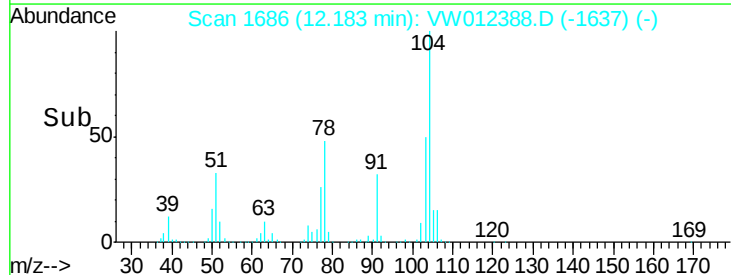
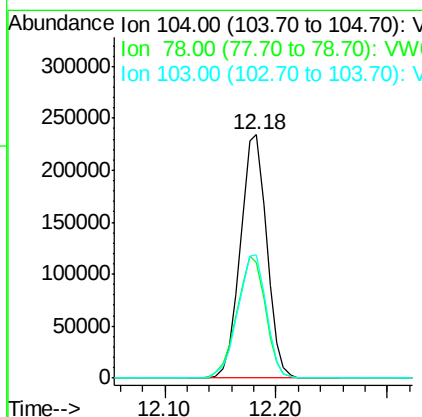
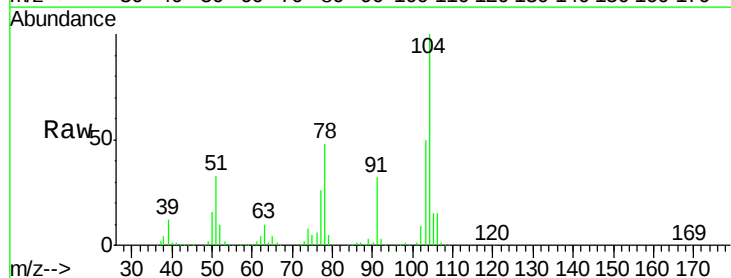
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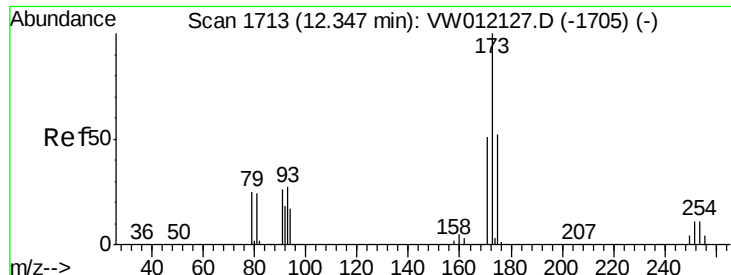
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9/3/2019 2:42:05 AM



#70
Styrene
Concen: 57.421 ug/l
RT: 12.18 min Scan# 1686
Delta R.T. -0.00 min
Lab File: VW012388.D
Acq: 31 Aug 2019 09:41

Tgt Ion	Ratio	Resp	Lower	Upper
104	100	384854		
78	54.4	43.1	64.7	
103	54.9	43.5	65.3	





#71

Bromoform

Concen: 55.112 ug/l

RT: 12.35 min Scan# 1713

Delta R.T. -0.00 min

Lab File: VW012388.D

Acq: 31 Aug 2019 09:41

Instrument :

MSVOA_W

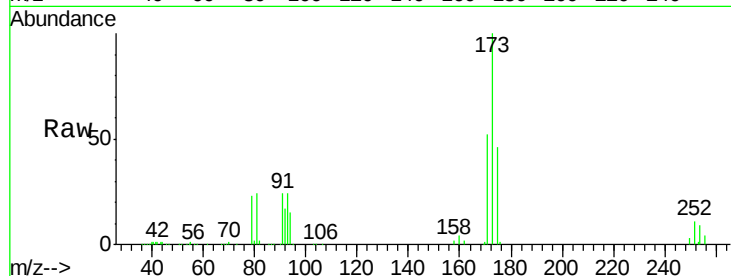
ClientSampleId :

VSTDCCC050

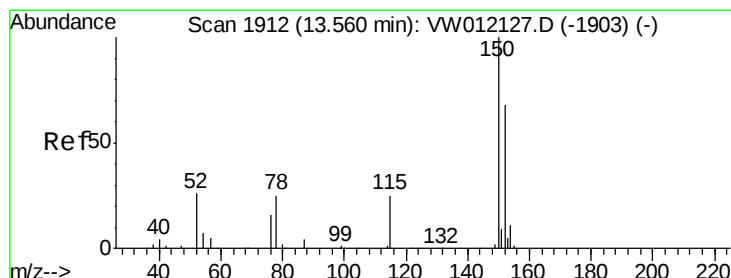
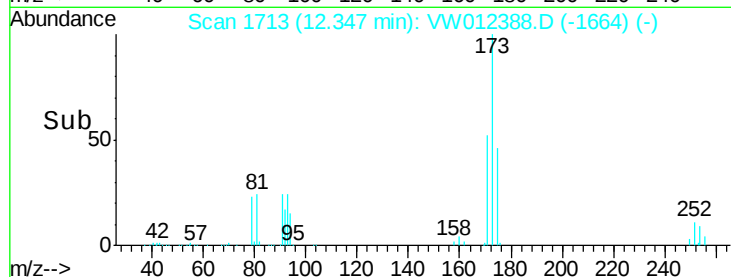
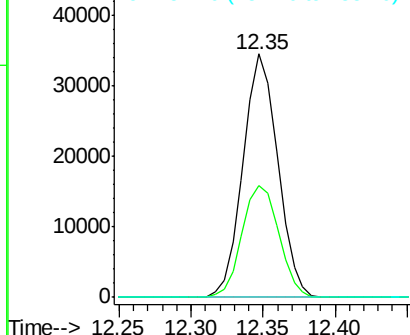
Tot Ion	Ratio	Lower	Upper
173	100		
175	48.8	24.6	74.0
254	0.1	0.2	0.2

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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

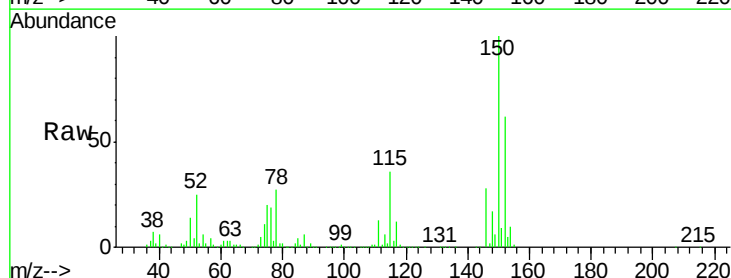
RT: 13.56 min Scan# 1912

Delta R.T. -0.00 min

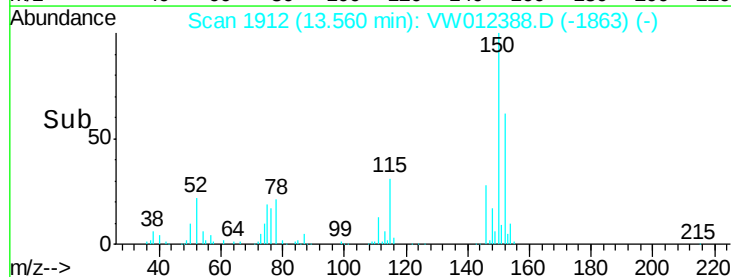
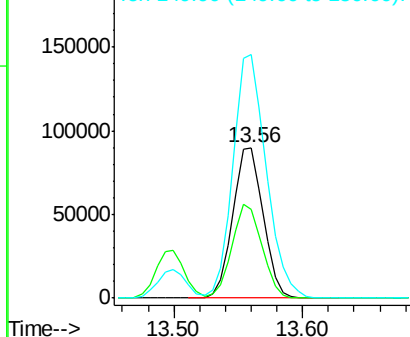
Lab File: VW012388.D

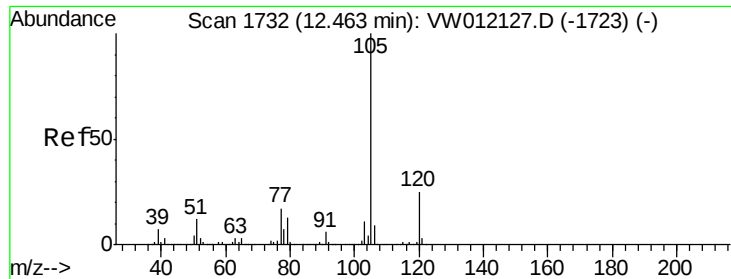
Acq: 31 Aug 2019 09:41

Tgt Ion	Ratio	Lower	Upper
152	100		
115	61.5	30.1	90.3
150	176.5	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: 57.148 ug/l

RT: 12.46 min Scan# 1732

Delta R.T. -0.00 min

Lab File: VW012388.D

Acq: 31 Aug 2019 09:41

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

Tot Ion:105 Resp: 632593

Ion Ratio Lower Upper

105 100

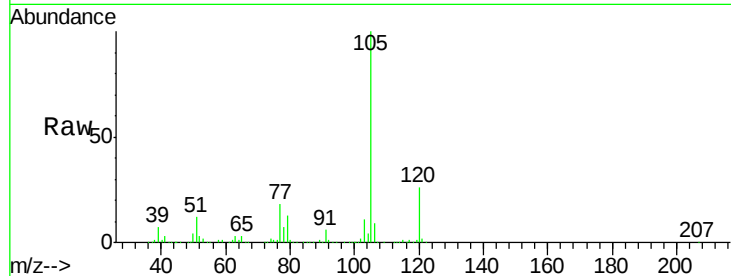
120 25.5 12.5 37.5

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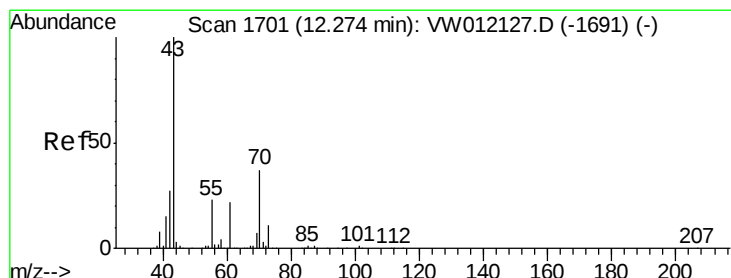
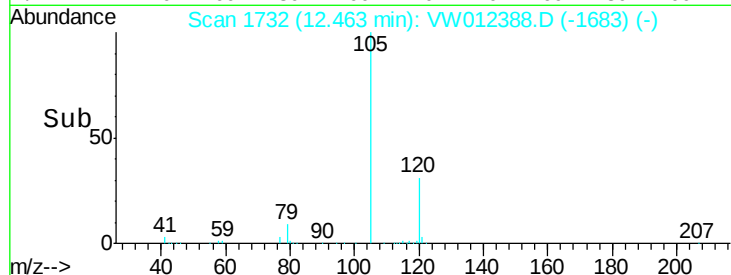
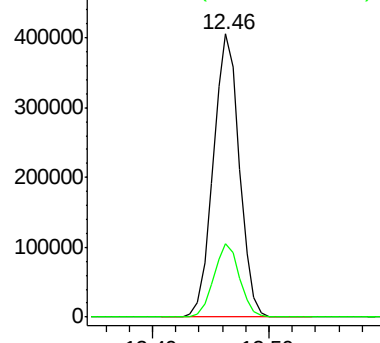
MMDadoda

9/3/2019 2:42:05 AM



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 54.978 ug/l

RT: 12.27 min Scan# 1701

Delta R.T. -0.00 min

Lab File: VW012388.D

Acq: 31 Aug 2019 09:41

Tgt Ion: 43 Resp: 183867

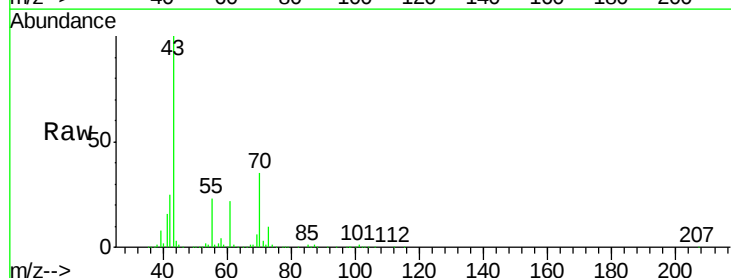
Ion Ratio Lower Upper

43 100

70 35.3 28.6 43.0

55 23.2 17.8 26.6

61 21.5 17.3 25.9

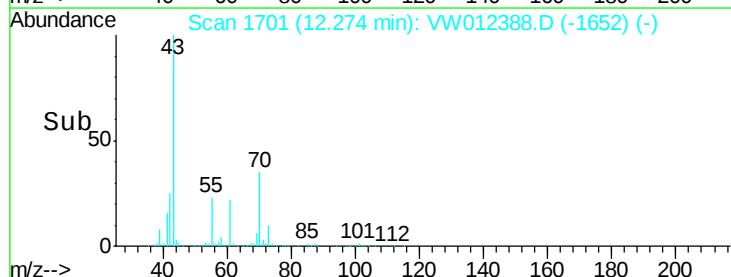
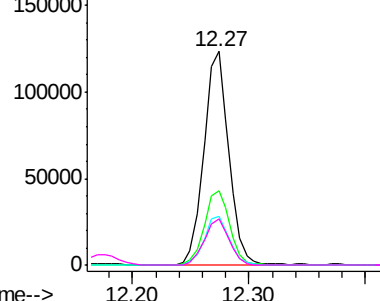


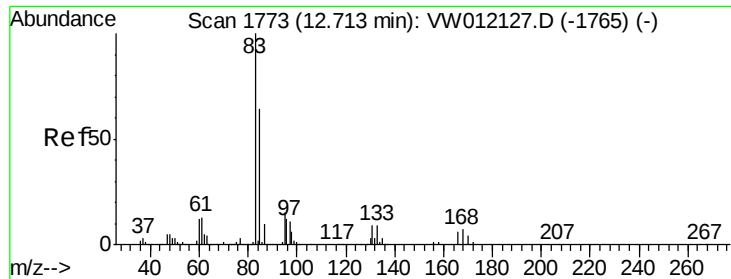
Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 70.00 (69.70 to 70.70): VW

Ion 55.00 (54.70 to 55.70): VW

Ion 61.00 (60.70 to 61.70): VW





#75

1,1,2,2-Tetrachloroethane

Concen: 52.634 ug/l

RT: 12.71 min Scan# 1773

Delta R.T. -0.00 min

Lab File: VW012388.D

Acq: 31 Aug 2019 09:41

Instrument :

MSVOA_W

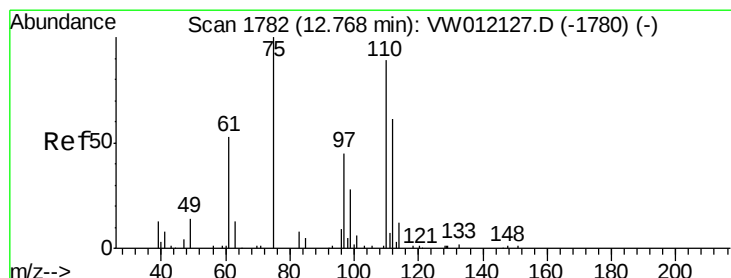
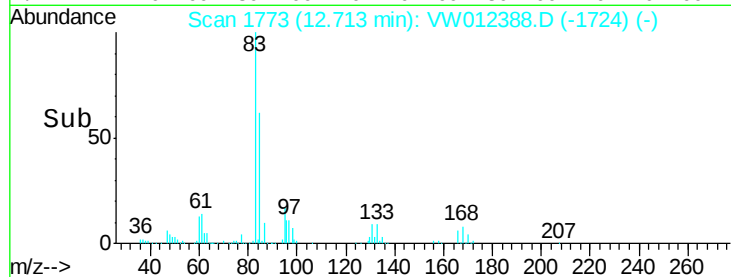
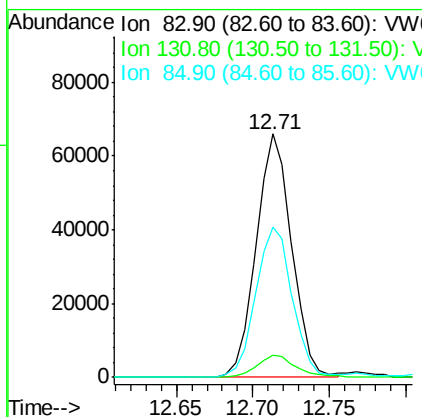
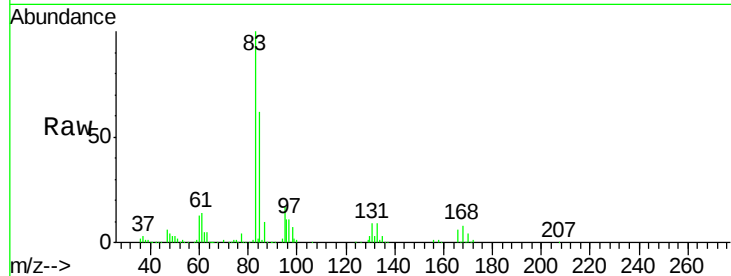
ClientSampleId :

VSTDCCC050

Tot Ion:	83	Resp:	106813
Ion Ratio	Lower	Upper	
83	100		
131	10.1	4.9	14.7
85	63.6	31.9	95.7

Manual Integrations
APPROVED

MMDadoda
9/3/2019 2:42:05 AM



#76

1,2,3-Trichloropropane

Concen: 52.140 ug/l m

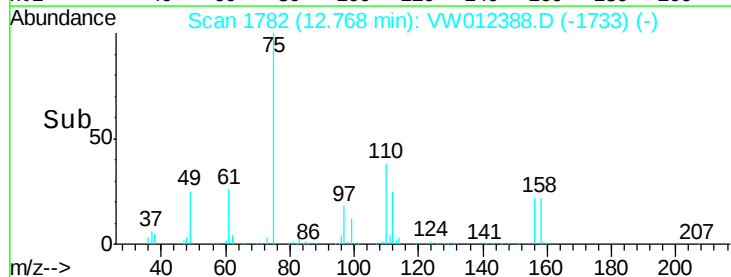
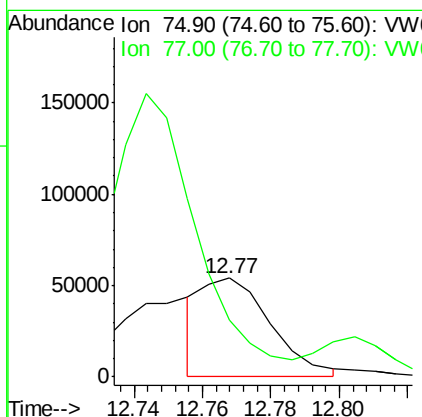
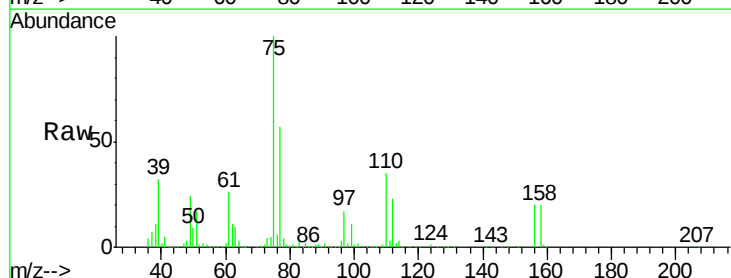
RT: 12.77 min Scan# 1782

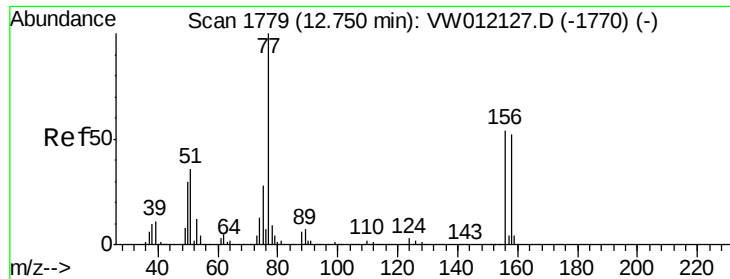
Delta R.T. -0.00 min

Lab File: VW012388.D

Acq: 31 Aug 2019 09:41

Tgt Ion:	75	Resp:	75017
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





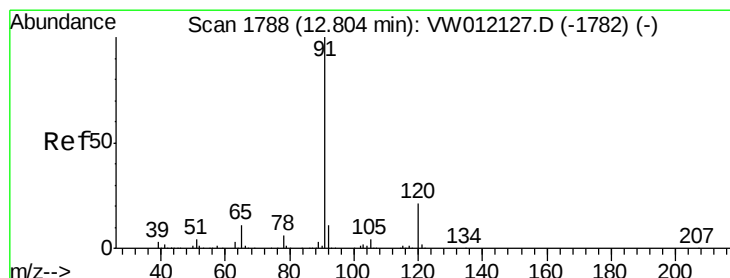
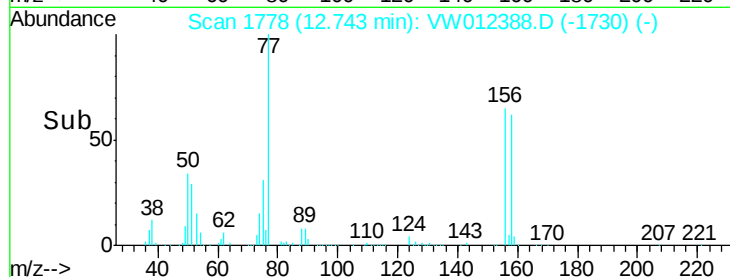
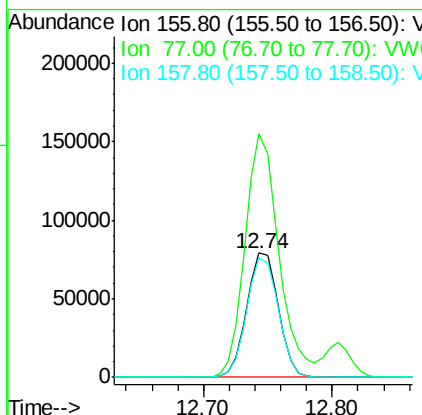
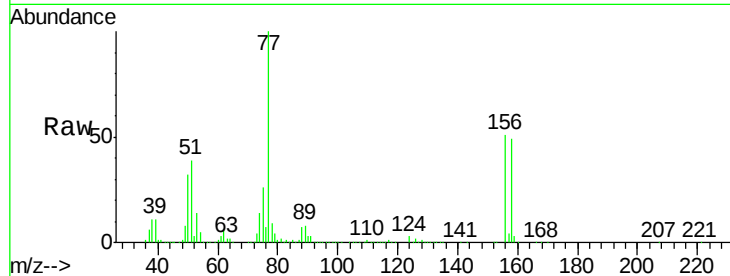
#77
Bromobenzene
Concen: 55.700 ug/l
RT: 12.74 min Scan# 1778
Delta R.T. -0.01 min
Lab File: VW012388.D
Acq: 31 Aug 2019 09:41

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion	Ion	Ratio	Lower	Upper
156	100			
77	211.1	107.3	321.8	
158	96.2	49.0	147.0	

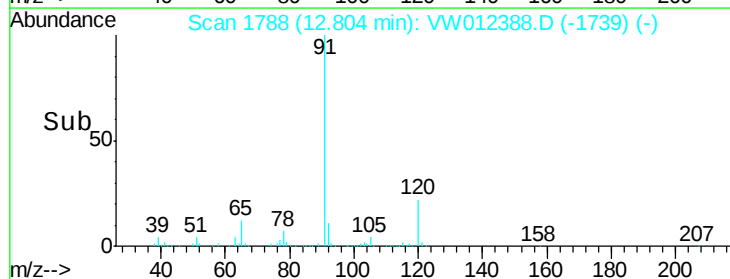
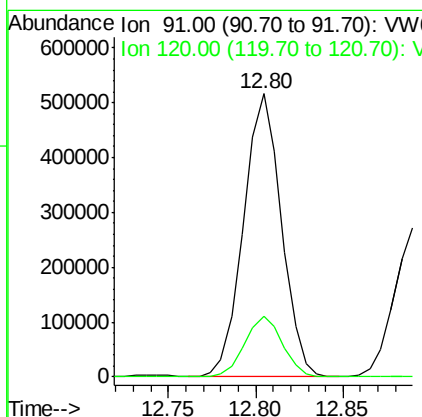
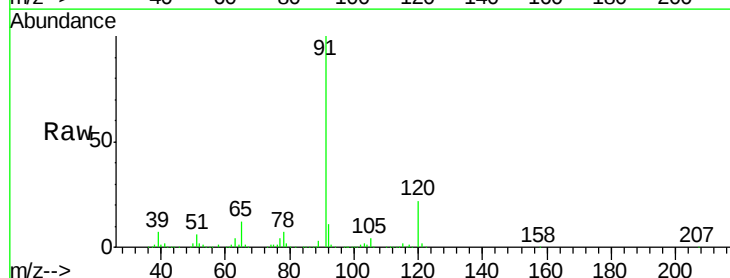
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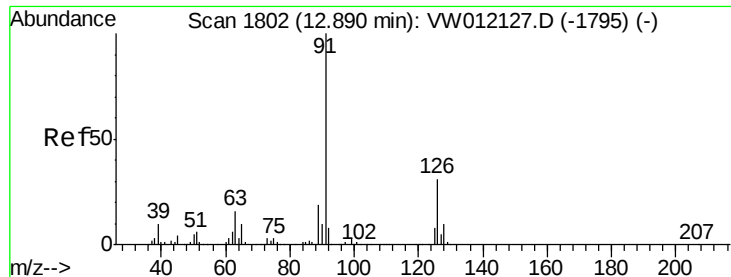
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9/3/2019 2:42:05 AM



#78
n-propylbenzene
Concen: 57.419 ug/l
RT: 12.80 min Scan# 1788
Delta R.T. -0.00 min
Lab File: VW012388.D
Acq: 31 Aug 2019 09:41

Tgt Ion	Ion	Ratio	Lower	Upper
91	100			
120	21.5	10.5	31.6	





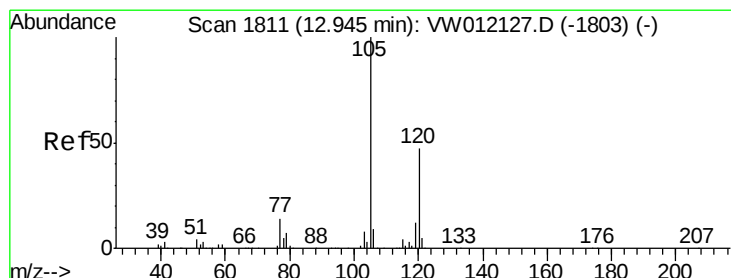
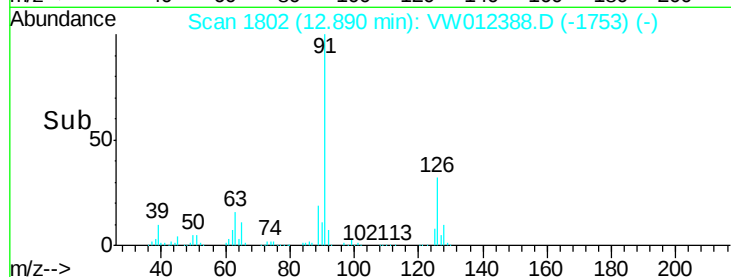
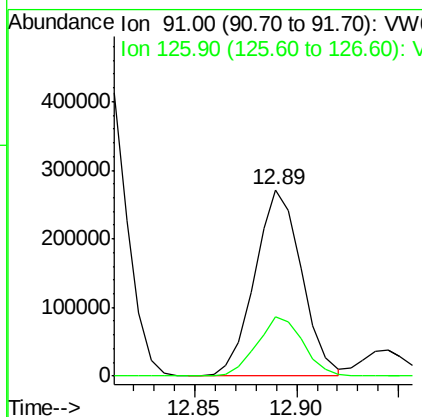
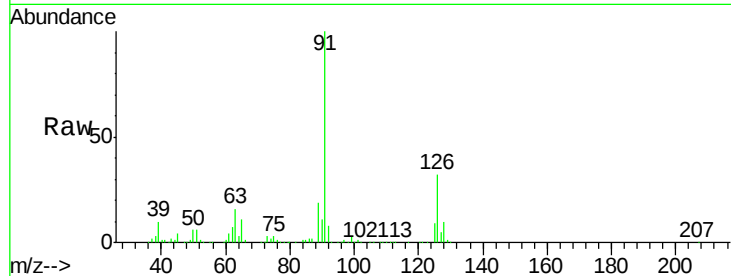
#79
 2-Chlorotoluene
 Concen: 56.424 ug/l
 RT: 12.89 min Scan# 1802
 Delta R.T. -0.00 min
 Lab File: VW012388.D
 Acq: 31 Aug 2019 09:41

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

Tot Ion: 91 Resp: 432897
 Ion Ratio Lower Upper
 91 100
 126 31.5 15.7 47.0

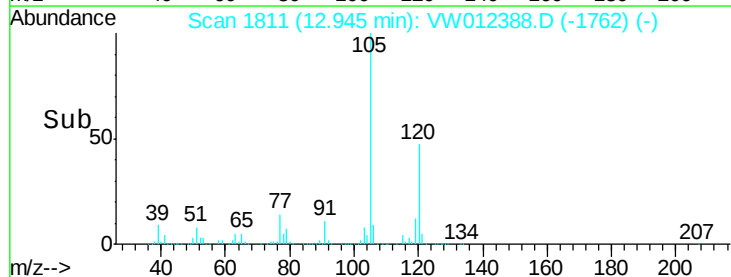
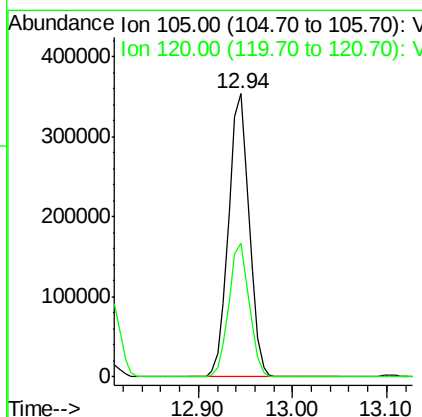
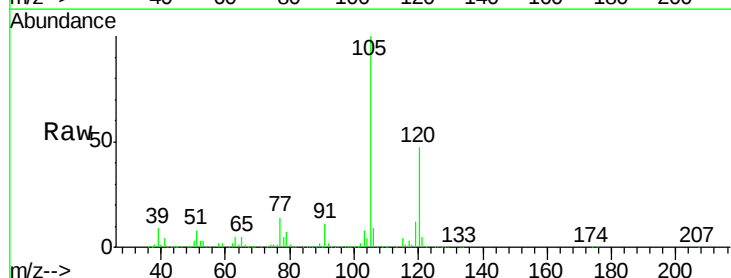
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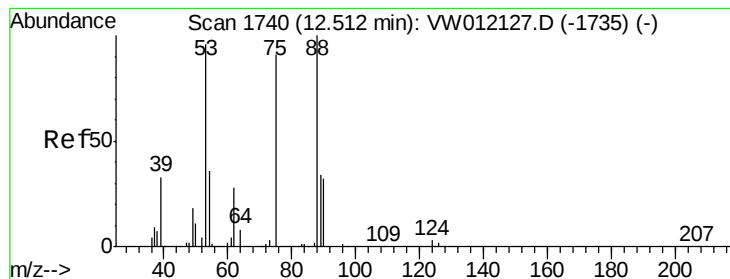
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 9/3/2019 2:42:05 AM



#80
 1,3,5-Trimethylbenzene
 Concen: 58.198 ug/l
 RT: 12.94 min Scan# 1811
 Delta R.T. -0.00 min
 Lab File: VW012388.D
 Acq: 31 Aug 2019 09:41

Tgt Ion: 105 Resp: 538309
 Ion Ratio Lower Upper
 105 100
 120 46.8 24.0 72.0





#81

trans-1,4-Dichloro-2-butene

Concen: 52.255 ug/l

RT: 12.51 min Scan# 1740

Delta R.T. -0.00 min

Lab File: VW012388.D

Acq: 31 Aug 2019 09:41

Instrument :

MSVOA_W

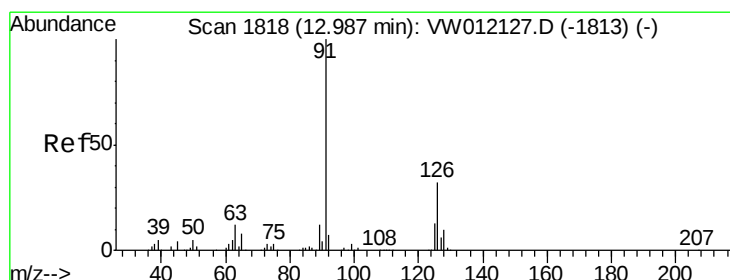
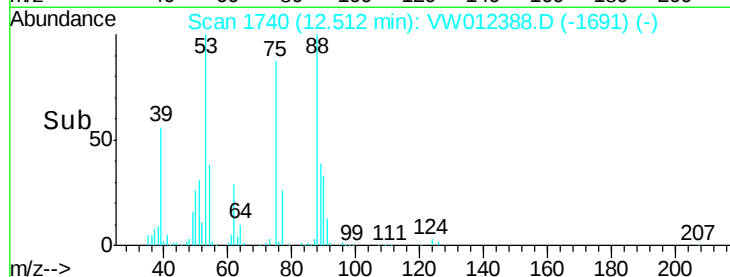
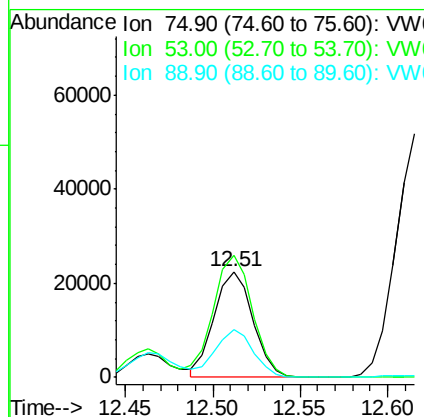
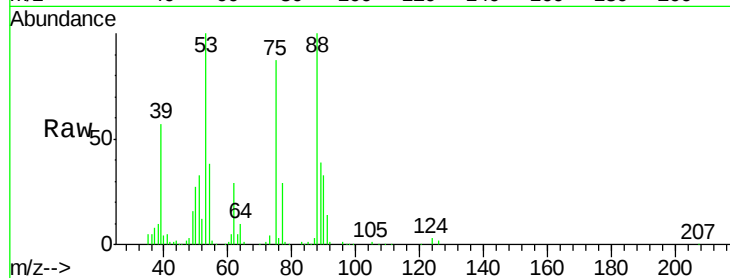
ClientSampleId :

VSTDCCC050

Tot Ion:	75	Resp:	34290
Ion	Ratio	Lower	Upper
75	100		
53	118.7	89.4	134.0
89	45.3	34.5	51.7

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#82

4-Chlorotoluene

Concen: 56.786 ug/l

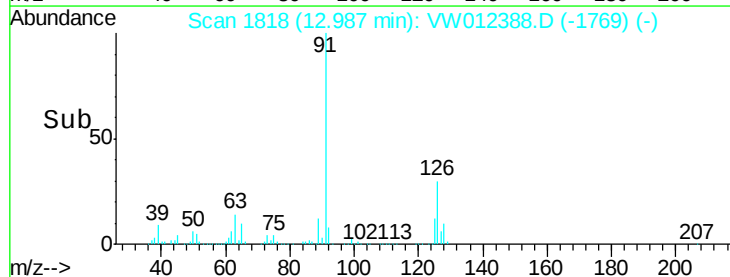
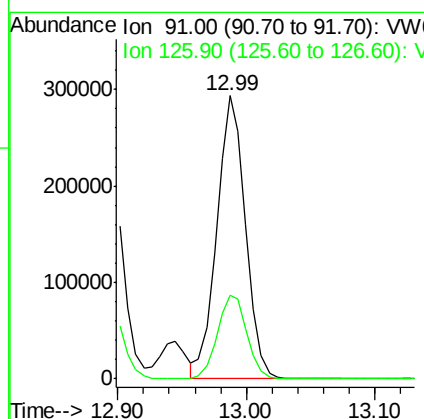
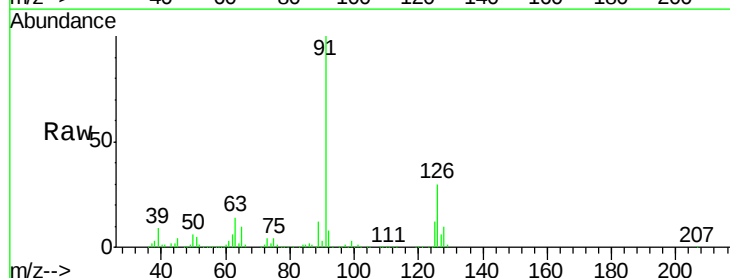
RT: 12.99 min Scan# 1818

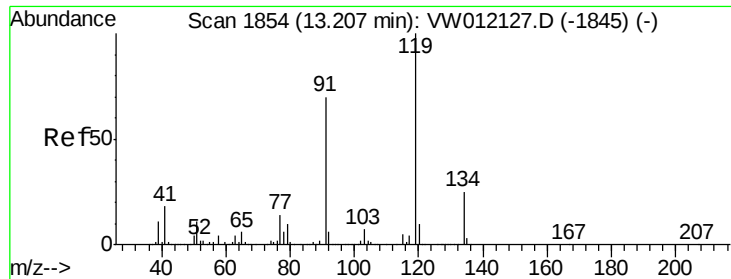
Delta R.T. -0.00 min

Lab File: VW012388.D

Acq: 31 Aug 2019 09:41

Tgt Ion:	91	Resp:	456185
Ion	Ratio	Lower	Upper
91	100		
126	30.6	15.6	46.8





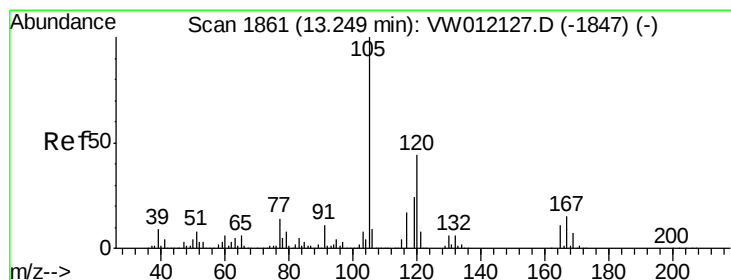
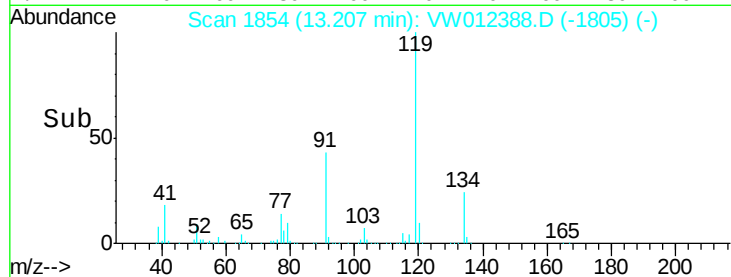
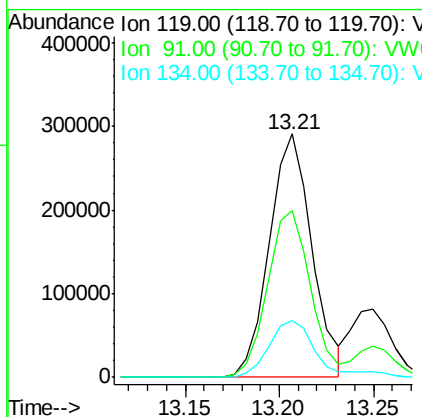
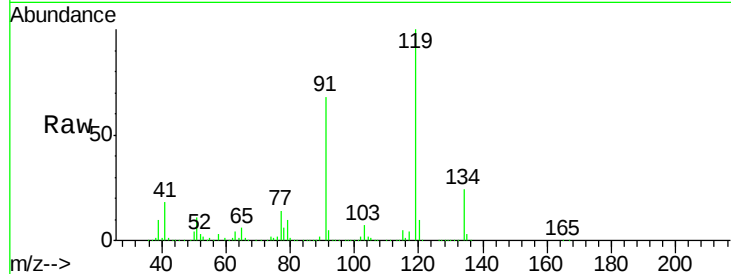
#83
 tert-Butylbenzene
 Concen: 58.088 ug/l
 RT: 13.21 min Scan# 1854
 Delta R.T. -0.00 min
 Lab File: VW012388.D
 Acq: 31 Aug 2019 09:41

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
119	100		
91	68.9	34.8	104.3
134	26.2	13.3	39.8

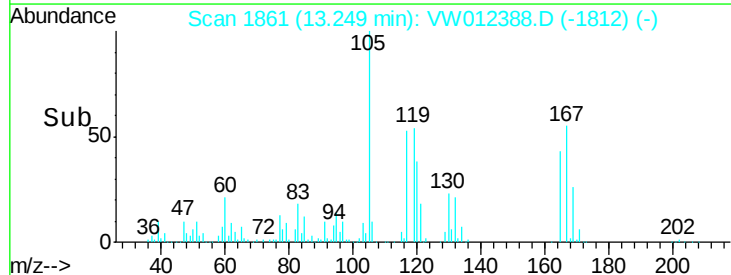
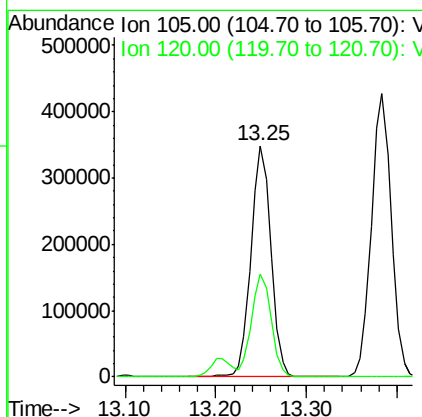
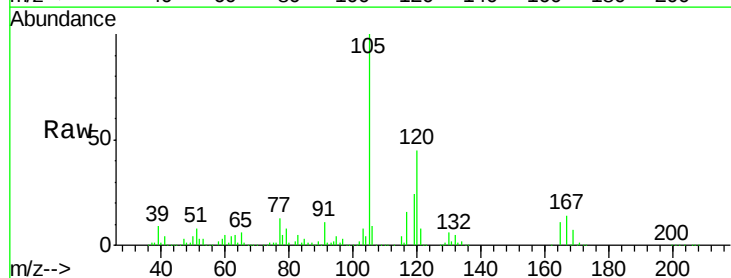
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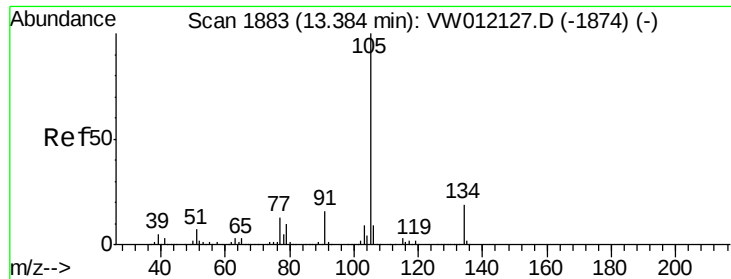
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 9/3/2019 2:42:05 AM



#84
 1,2,4-Trimethylbenzene
 Concen: 57.389 ug/l
 RT: 13.25 min Scan# 1861
 Delta R.T. -0.00 min
 Lab File: VW012388.D
 Acq: 31 Aug 2019 09:41

Tgt Ion	Ratio	Lower	Upper
105	100		
120	43.8	21.9	65.7





#85

sec-Butylbenzene

Concen: 57.790 ug/l

RT: 13.38 min Scan# 1883

Delta R.T. -0.00 min

Lab File: VW012388.D

Acq: 31 Aug 2019 09:41

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

Tot Ion:105 Resp: 648703

Ion Ratio Lower Upper

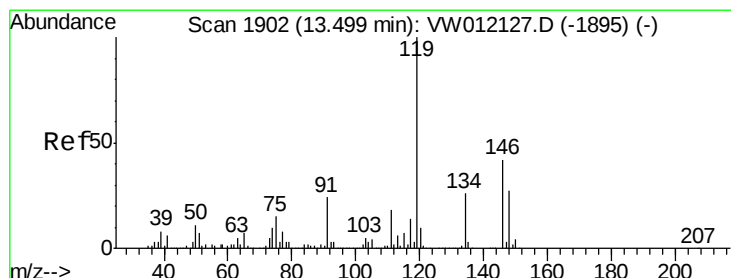
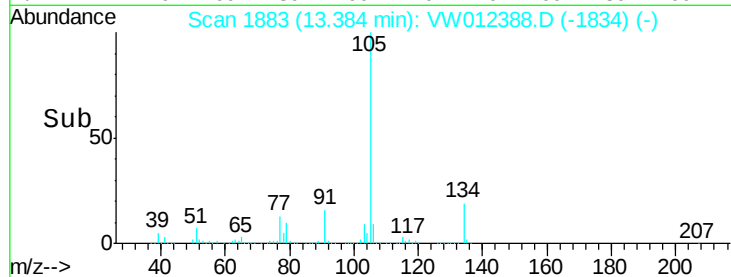
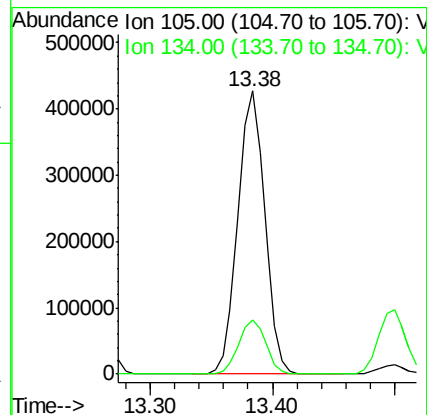
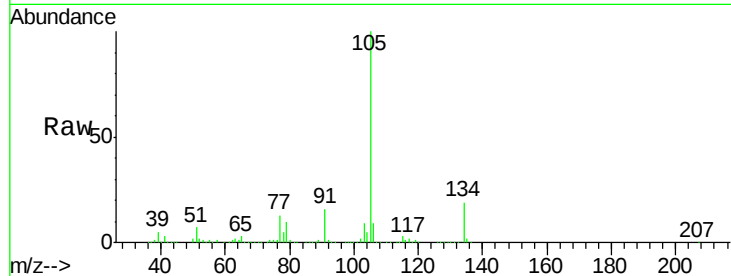
105 100

134 19.2 9.8 29.4

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#86

p-Isopropyltoluene

Concen: 58.519 ug/l

RT: 13.50 min Scan# 1902

Delta R.T. -0.00 min

Lab File: VW012388.D

Acq: 31 Aug 2019 09:41

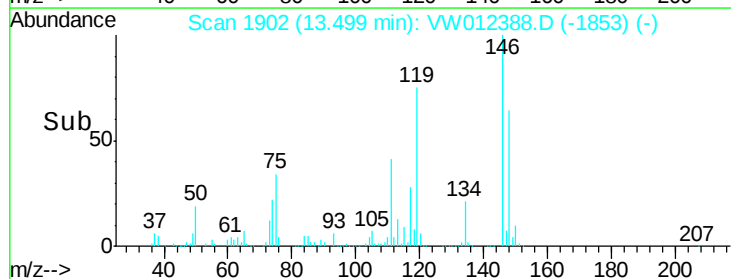
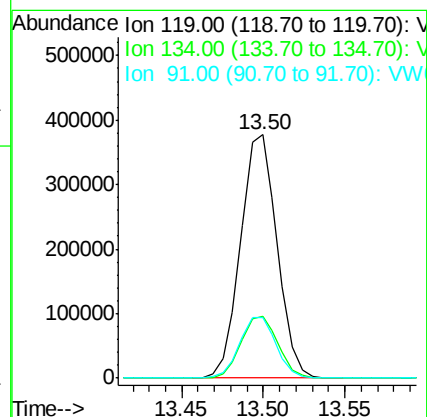
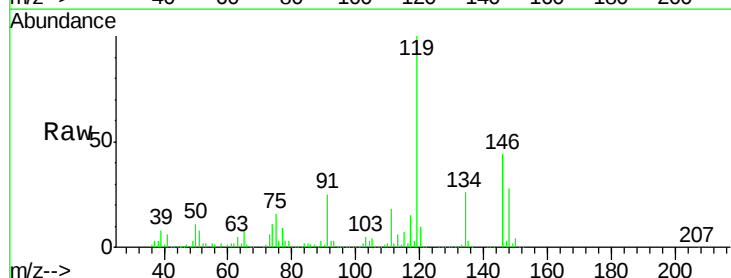
Tgt Ion:119 Resp: 586643

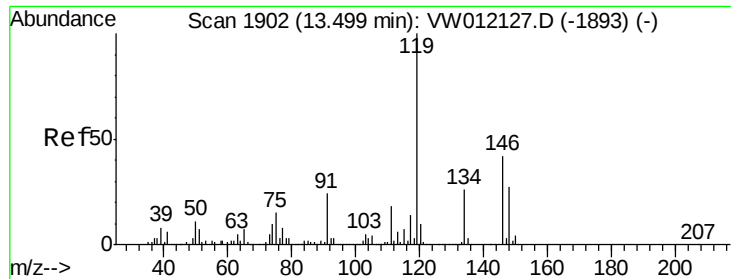
Ion Ratio Lower Upper

119 100

134 25.9 12.8 38.3

91 25.0 12.3 36.9





#87

1,3-Dichlorobenzene

Concen: 56.154 ug/l

RT: 13.50 min Scan# 1902

Delta R.T. -0.00 min

Lab File: VW012388.D

Acq: 31 Aug 2019 09:41

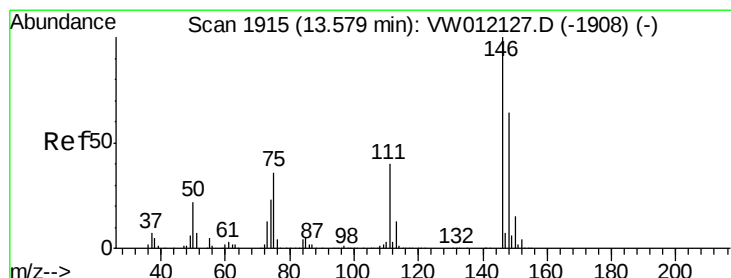
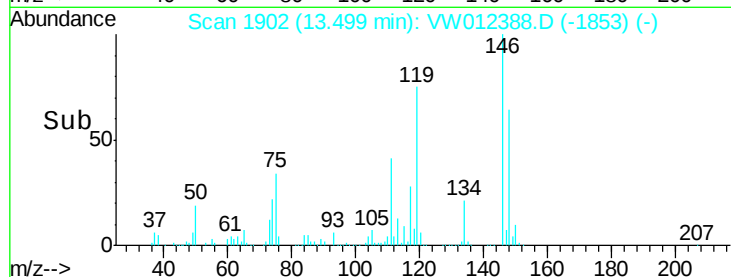
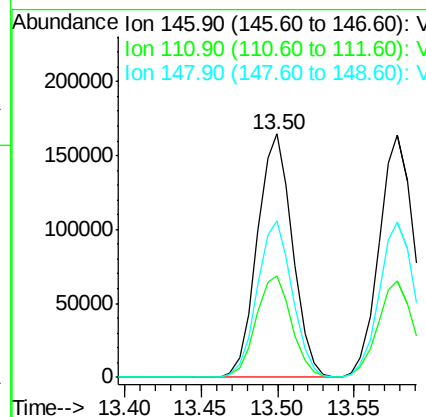
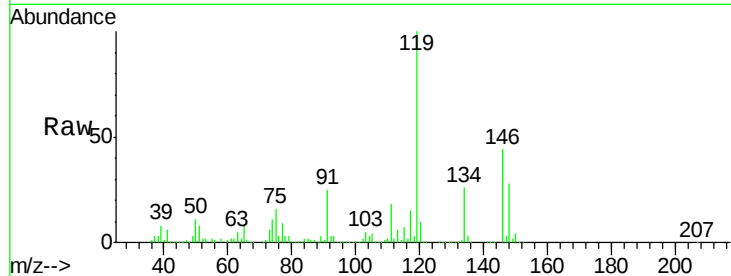
Instrument :
MSVOA_W

ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
146	100	263028		
111	41.9	20.9	62.7	
148	63.8	32.2	96.6	

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#88

1,4-Dichlorobenzene

Concen: 56.088 ug/l

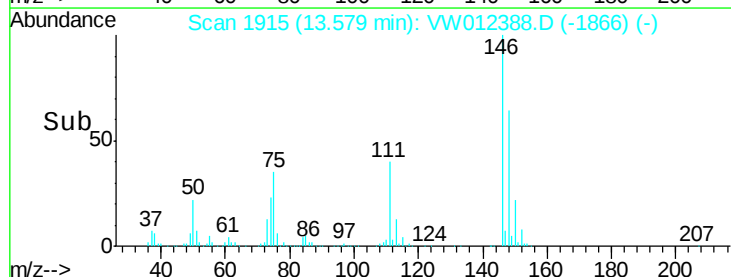
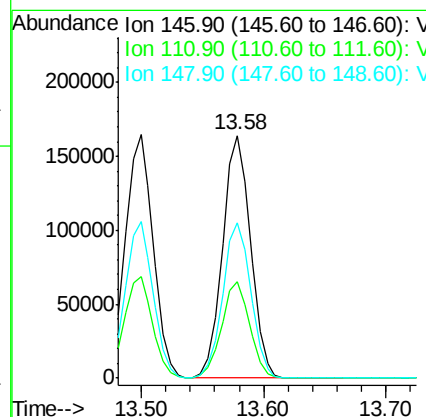
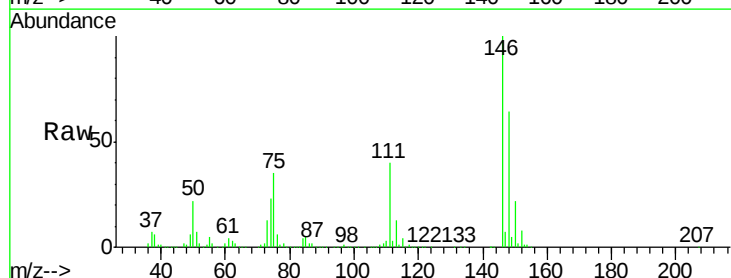
RT: 13.58 min Scan# 1915

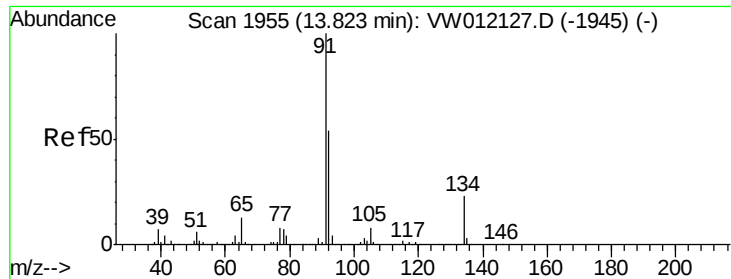
Delta R.T. -0.00 min

Lab File: VW012388.D

Acq: 31 Aug 2019 09:41

Tgt Ion	Ratio	Resp	Lower	Upper
146	100	260862		
111	39.8	20.0	60.0	
148	64.4	32.1	96.3	





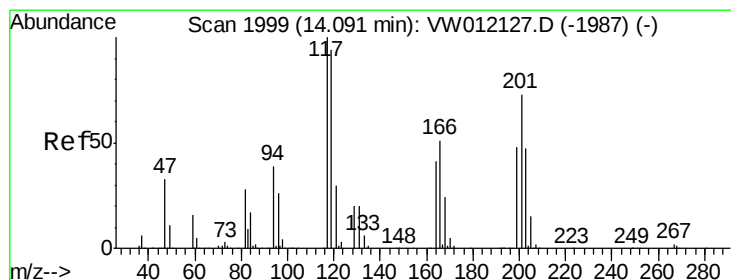
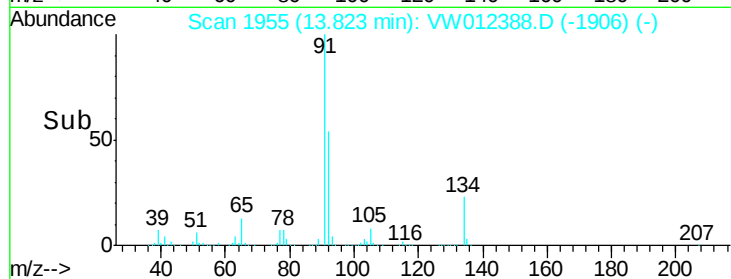
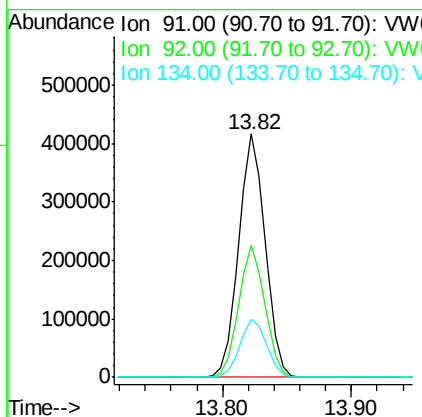
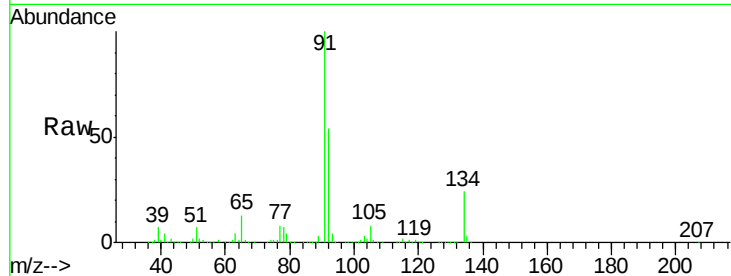
#89
n-Butylbenzene
Concen: 59.378 ug/l
RT: 13.82 min Scan# 1955
Delta R.T. -0.00 min
Lab File: VW012388.D
Acq: 31 Aug 2019 09:41

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
91	100		
92	53.6	27.1	81.2
134	24.2	12.2	36.4

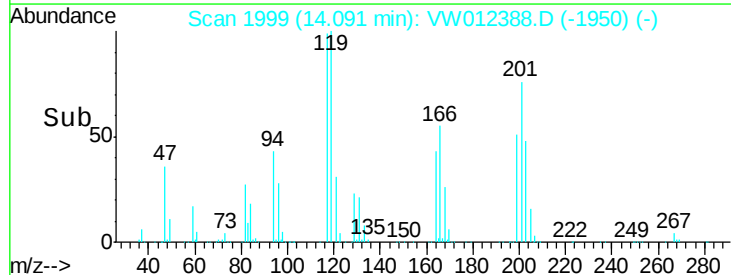
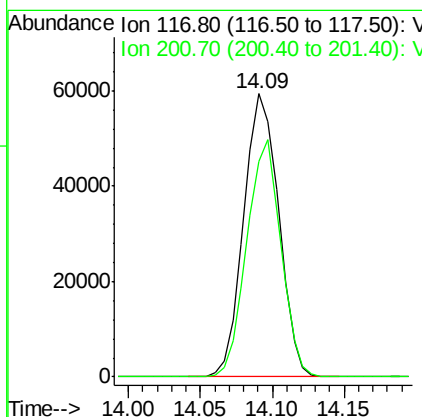
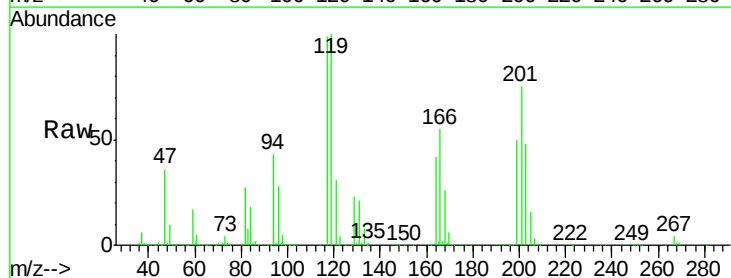
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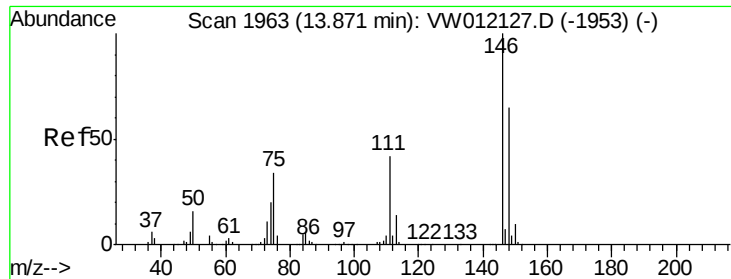
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#90
Hexachloroethane
Concen: 56.875 ug/l
RT: 14.09 min Scan# 1999
Delta R.T. -0.00 min
Lab File: VW012388.D
Acq: 31 Aug 2019 09:41

Tgt Ion	Ratio	Lower	Upper
117	100		
201	81.5	38.6	115.7





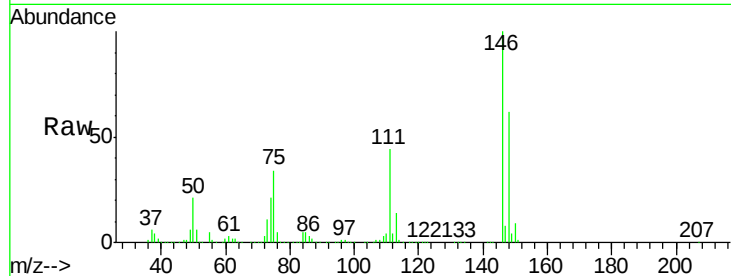
#91
 1,2-Dichlorobenzene
 Concen: 56.301 ug/l
 RT: 13.87 min Scan# 1963
 Delta R.T. -0.00 min
 Lab File: VW012388.D
 Acq: 31 Aug 2019 09:41

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

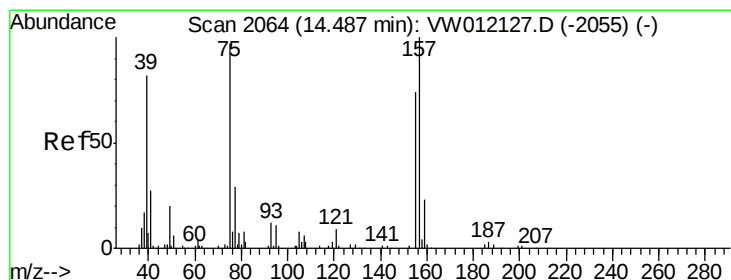
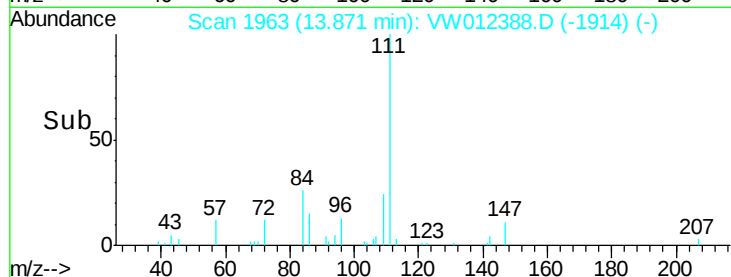
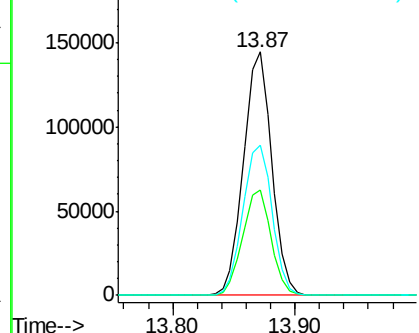
Tot Ion	Ratio	Lower	Upper
146	100		
111	43.5	21.2	63.6
148	63.9	32.5	97.4

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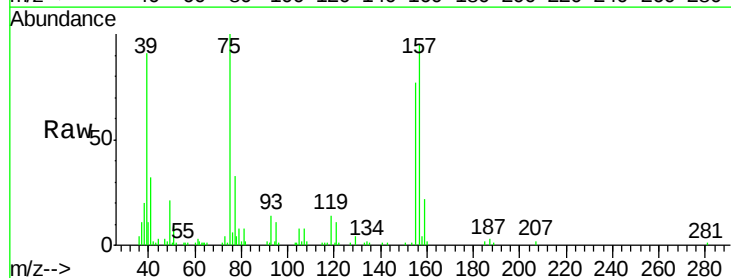


Abundance Ion 145.90 (145.60 to 146.60): V
 Ion 110.90 (110.60 to 111.60): V
 Ion 147.90 (147.60 to 148.60): V

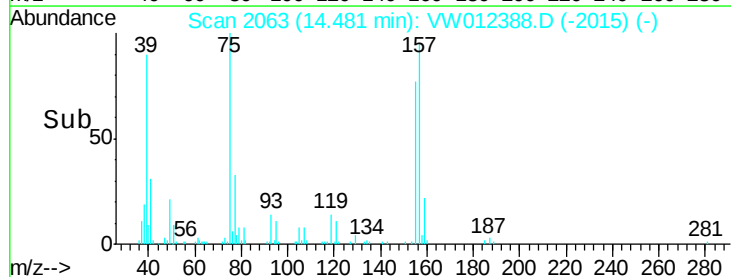
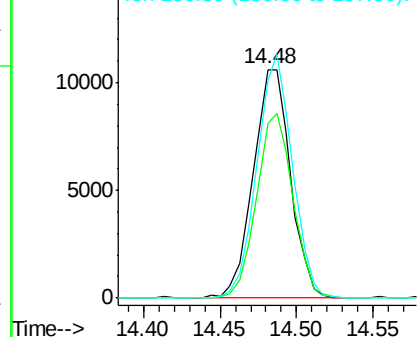


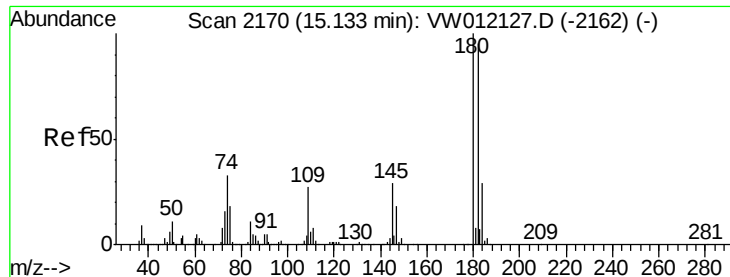
#92
 1,2-Dibromo-3-Chloropropane
 Concen: 52.623 ug/l
 RT: 14.48 min Scan# 2063
 Delta R.T. -0.01 min
 Lab File: VW012388.D
 Acq: 31 Aug 2019 09:41

Tgt Ion	Ratio	Lower	Upper
75	100		
155	79.0	37.5	112.3
157	101.0	50.5	151.5



Abundance Ion 74.90 (74.60 to 75.60): VW
 Ion 154.80 (154.50 to 155.50): V
 Ion 156.80 (156.50 to 157.50): V





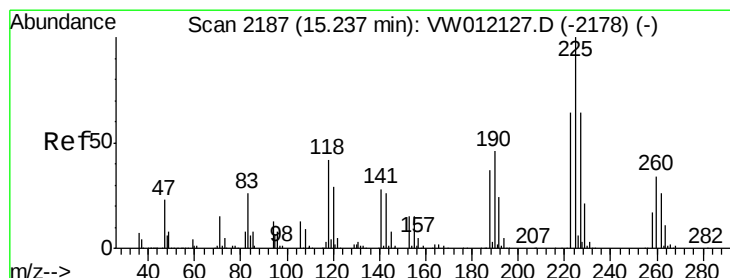
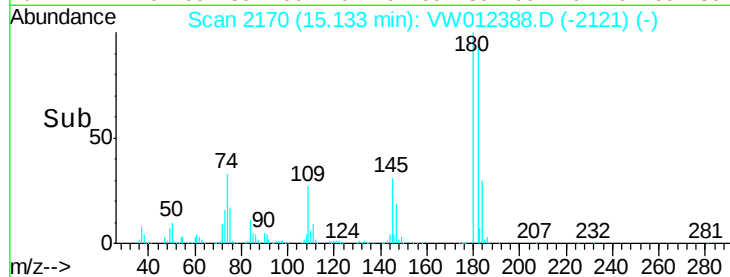
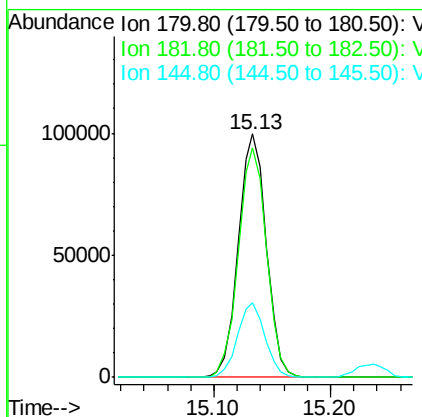
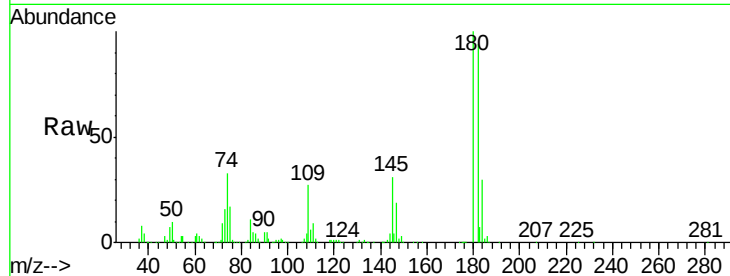
#93
 1,2,4-Trichlorobenzene
 Concen: 58.583 ug/l
 RT: 15.13 min Scan# 2170
 Delta R.T. -0.00 min
 Lab File: VW012388.D
 Acq: 31 Aug 2019 09:41

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
180	100	166355		
182	95.1	47.8	143.4	
145	30.1	15.0	45.1	

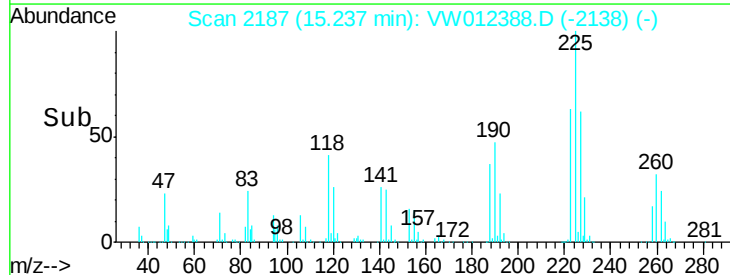
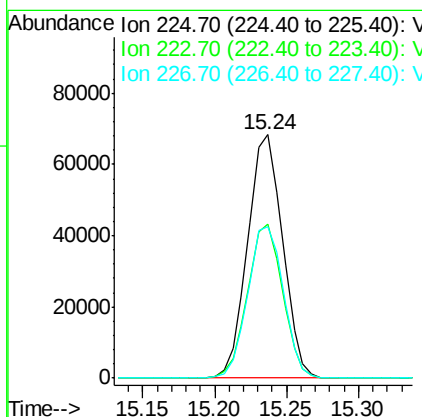
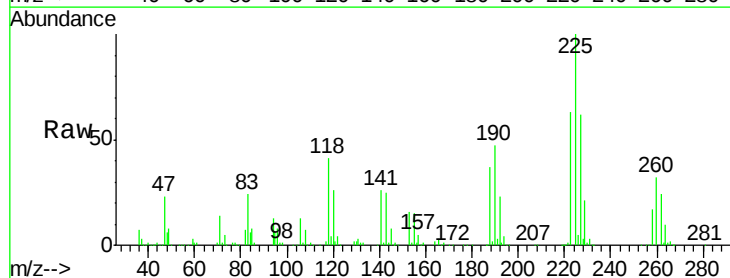
Manual Integrations
 APPROVED

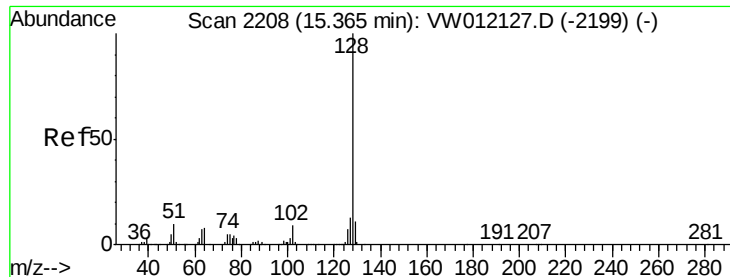
MMDadoda
 9/3/2019 2:42:05 AM



#94
 Hexachlorobutadiene
 Concen: 61.215 ug/l
 RT: 15.24 min Scan# 2187
 Delta R.T. -0.00 min
 Lab File: VW012388.D
 Acq: 31 Aug 2019 09:41

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	114779		
223	63.5	32.3	96.8	
227	63.4	32.9	98.6	





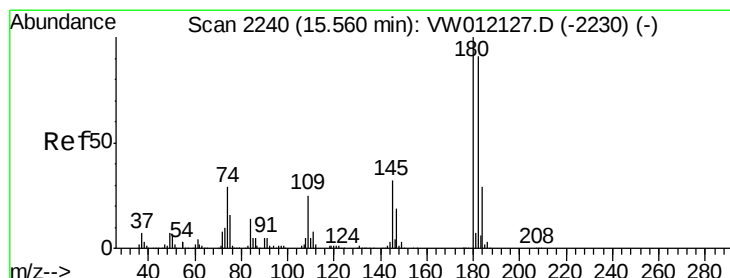
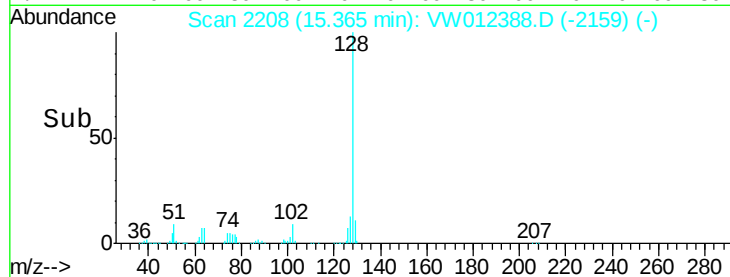
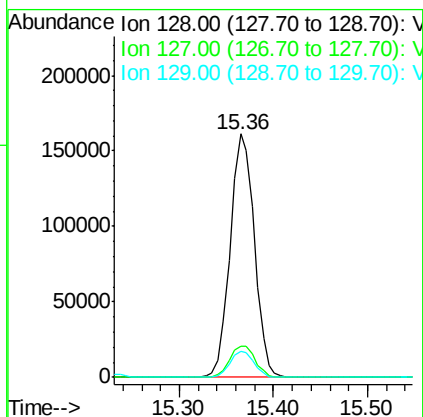
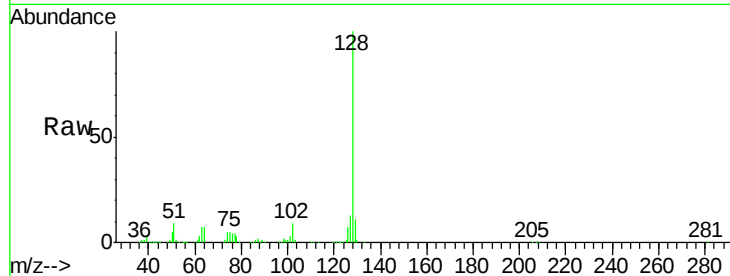
#95
Naphthalene
Concen: 51.460 ug/l
RT: 15.36 min Scan# 2208
Delta R.T. 0.00 min
Lab File: VW012388.D
Acq: 31 Aug 2019 09:41

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion:	128	Resp:	287513
Ion Ratio	Lower	Upper	
128	100		
127	13.6	10.7	16.1
129	10.8	8.7	13.1

Manual Integrations
APPROVED

MMDadoda
9/3/2019 2:42:05 AM



#96
1,2,3-Trichlorobenzene
Concen: 58.699 ug/l
RT: 15.55 min Scan# 2239
Delta R.T. -0.01 min
Lab File: VW012388.D
Acq: 31 Aug 2019 09:41

Tgt Ion:	180	Resp:	145429
Ion Ratio	Lower	Upper	
180	100		
182	95.0	47.1	141.3
145	32.1	16.2	48.5

