

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW071119\
 Data File : VW011217.D
 Acq On : 11 Jul 2019 04:31
 Operator : SY/VA
 Sample : VSTDCCC050
 Misc : 5.00G/5ML/MSVOA W/SOIL
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleID :
 VSTDCCC050EC

Manual Integrations
 APPROVED

MMDadoda
 7/11/2019 2:50:31 PM

Quant Time: Jul 11 09:12:52 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W070819S.M
 Quant Title : SW846 8260
 QLast Update : Thu Jul 11 08:14:17 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	181388	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	320523	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	296948	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	146007	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.30	65	127457	55.92	ug/l	0.00
Spiked Amount	50.000		Recovery	=	111.84%	
35) Dibromofluoromethane	7.88	113	97506	51.04	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.08%	
50) Toluene-d8	10.32	98	377696	48.91	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.82%	
62) 4-Bromofluorobenzene	12.62	95	146493	51.75	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.50%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.00	85	58449	43.206	ug/l	97
3) Chloromethane	2.20	50	88621	50.839	ug/l	99
4) Vinyl Chloride	2.35	62	110070	48.243	ug/l	96
5) Bromomethane	2.77	94	60184	52.495	ug/l	94
6) Chloroethane	2.91	64	64036	52.109	ug/l	96
7) Trichlorofluoromethane	3.24	101	33071	40.802	ug/l	97
8) Diethyl Ether	3.67	74	66490	59.288	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	4.05	101	95054	48.960	ug/l	99
10) Methyl Iodide	4.27	142	152579	57.141	ug/l	99
11) Tert butyl alcohol	5.21	59	47189	279.647	ug/l	99
12) 1,1-Dichloroethene	4.03	96	104943	52.080	ug/l	92
13) Acrolein	3.89	56	35853	266.822	ug/l	99
14) Allyl chloride	4.66	41	169949	46.251	ug/l	98
15) Acrylonitrile	5.37	53	168744	295.442	ug/l	99
16) Acetone	4.14	43	135745	247.528	ug/l	98
17) Carbon Disulfide	4.38	76	302123	49.456	ug/l	99
18) Methyl Acetate	4.67	43	104057	67.210	ug/l	99
19) Methyl tert-butyl Ether	5.42	73	195373	63.900	ug/l	98
20) Methylene Chloride	4.91	84	128599	59.443	ug/l	97
21) trans-1,2-Dichloroethene	5.42	96	115702	55.259	ug/l	95
22) Diisopropyl ether	6.31	45	471060	59.604	ug/l	100
23) Vinyl Acetate	6.25	43	1481201	302.839	ug/l	100
24) 1,1-Dichloroethane	6.21	63	236427	56.969	ug/l	99
25) 2-Butanone	7.17	43	259736	301.721	ug/l	100
26) 2,2-Dichloropropane	7.16	77	92302	42.787	ug/l	96
27) cis-1,2-Dichloroethene	7.16	96	131968	58.428	ug/l	99
28) Bromochloromethane	7.51	49	106192	56.275	ug/l #	99
29) Tetrahydrofuran	7.53	42	176350	312.419	ug/l	100
30) Chloroform	7.67	83	222182	57.809	ug/l	99
31) Cyclohexane	7.95	56	206829	46.846	ug/l	97
32) 1,1,1-Trichloroethane	7.87	97	155840	53.303	ug/l	99
36) 1,1-Dichloropropene	8.08	75	165865	48.594	ug/l	100
37) Ethyl Acetate	7.25	43	116866	56.986	ug/l	99
38) Carbon Tetrachloride	8.06	117	138747	47.951	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.33	83	193343	46.735	ug/l	99
40) Benzene	8.32	78	502604	53.282	ug/l	99
41) Methacrylonitrile	7.48	41	70210	59.860	ug/l	97
42) 1,2-Dichloroethane	8.40	62	174216	56.933	ug/l	99
43) Isopropyl Acetate	8.42	43	226537	58.509	ug/l	100
44) Trichloroethene	9.09	130	117781	51.887	ug/l	98
45) 1,2-Dichloropropane	9.37	63	142013	55.595	ug/l	99
46) Dibromomethane	9.46	93	68536	57.117	ug/l	98
47) Bromodichloromethane	9.64	83	169215	55.115	ug/l	100
48) Methyl methacrylate	9.43	41	111304	59.753	ug/l	97
49) 1,4-Dioxane	9.47	88	23849	1190.722	ug/l #	75
51) 4-Methyl-2-Pentanone	10.21	43	606143	299.692	ug/l	100
52) Toluene	10.38	92	307161	53.679	ug/l	100
53) t-1,3-Dichloropropene	10.60	75	174040	53.255	ug/l	99
54) cis-1,3-Dichloropropene	10.07	75	204267	53.102	ug/l	99
55) 1,1,2-Trichloroethane	10.79	97	97430	57.234	ug/l	98
56) Ethyl methacrylate	10.65	69	152800	58.957	ug/l	98
57) 1,3-Dichloropropane	10.93	76	185906	57.752	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.92	63	331845	276.189	ug/l	100
59) 2-Hexanone	10.97	43	409882	292.222	ug/l	100
60) Dibromochloromethane	11.13	129	107709	57.701	ug/l	98
61) 1,2-Dibromoethane	11.23	107	94279	58.469	ug/l	99
64) Tetrachloroethene	10.86	164	111472	55.632	ug/l	98
65) Chlorobenzene	11.66	112	316062	52.352	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.73	131	114301	53.770	ug/l	99
67) Ethyl Benzene	11.73	91	592512	51.266	ug/l	99
68) m/p-Xylenes	11.84	106	429384	102.674	ug/l	99
69) o-Xylene	12.16	106	207950	52.758	ug/l	100
70) Styrene	12.18	104	369181	54.271	ug/l	99
71) Bromoform	12.35	173	62115	54.959	ug/l #	98
73) Isopropylbenzene	12.46	105	549692	50.363	ug/l	100
74) N-amyl acetate	12.27	43	210855	55.470	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.71	83	123472	55.187	ug/l	99
76) 1,2,3-Trichloropropane	12.77	75	84606m	50.143	ug/l	
77) Bromobenzene	12.74	156	129932	53.046	ug/l	99
78) n-propylbenzene	12.80	91	670288	49.853	ug/l	100
79) 2-Chlorotoluene	12.89	91	396925	51.302	ug/l	100
80) 1,3,5-Trimethylbenzene	12.94	105	476415	51.379	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.51	75	33850	45.376	ug/l	96
82) 4-Chlorotoluene	12.99	91	415823	51.600	ug/l	100
83) tert-Butylbenzene	13.21	119	388090	50.185	ug/l	99
84) 1,2,4-Trimethylbenzene	13.25	105	486408	52.242	ug/l	100
85) sec-Butylbenzene	13.38	105	554883	49.727	ug/l	100
86) p-Isopropyltoluene	13.50	119	504148	50.373	ug/l	100
87) 1,3-Dichlorobenzene	13.50	146	252002	53.473	ug/l	98
88) 1,4-Dichlorobenzene	13.58	146	251371	52.970	ug/l	99
89) n-Butylbenzene	13.82	91	496615	49.741	ug/l	100
90) Hexachloroethane	14.09	117	91279	49.910	ug/l	99
91) 1,2-Dichlorobenzene	13.87	146	233434	54.599	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.49	75	21754	54.817	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.13	180	169555	57.578	ug/l	98
94) Hexachlorobutadiene	15.24	225	91357	50.532	ug/l	99
95) Naphthalene	15.37	128	354043	62.740	ug/l	100
96) 1,2,3-Trichlorobenzene	15.56	180	154832	59.575	ug/l	99

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

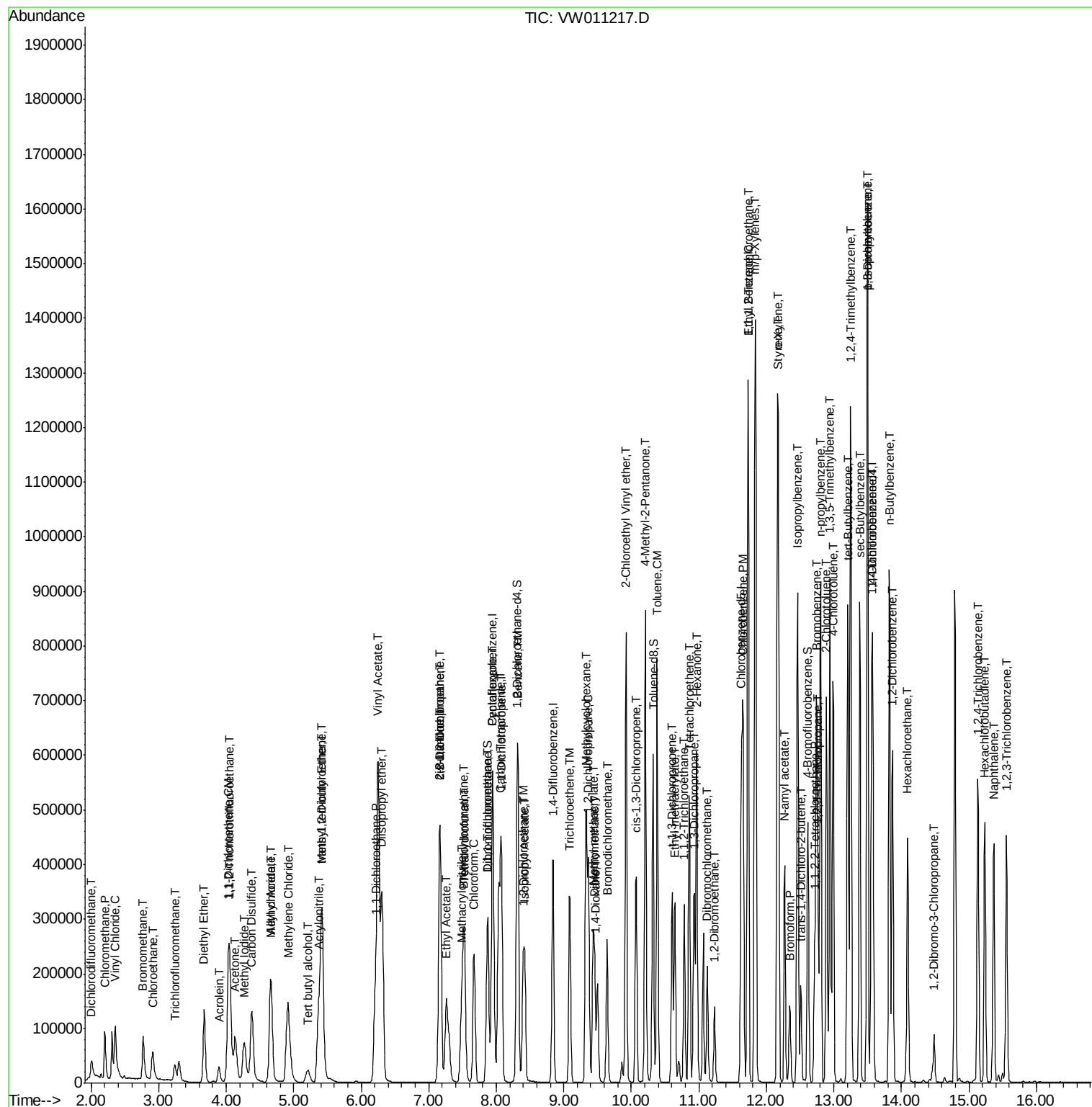
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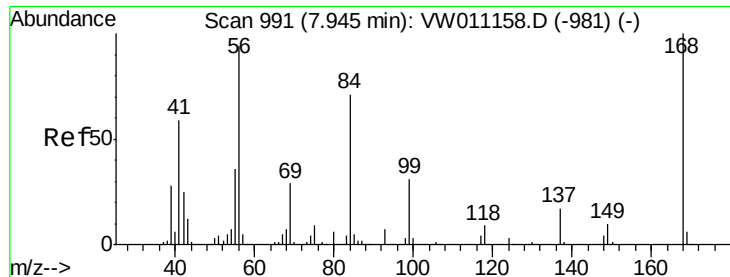
Instrument :
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 991

Delta R.T. 0.00 min

Lab File: VW011217.D

Acq: 11 Jul 2019 04:31

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

Tot Ion:168 Resp: 181388

Ion Ratio Lower Upper

168 100

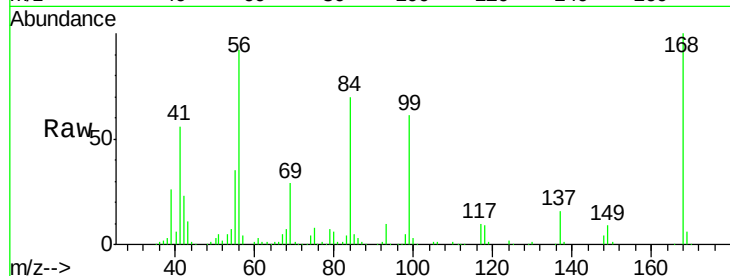
99 61.2 50.1 75.1

Manual Integrations

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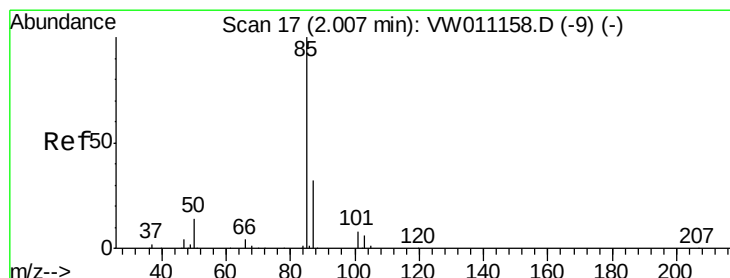
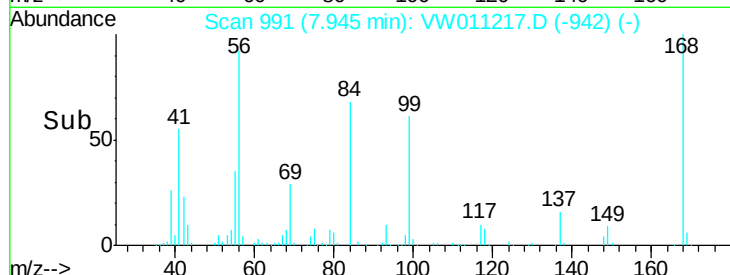
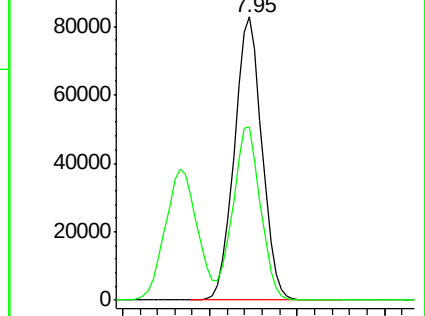
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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW



#2

Dichlorodifluoromethane

Concen: 43.206 ug/l

RT: 2.00 min Scan# 16

Delta R.T. -0.01 min

Lab File: VW011217.D

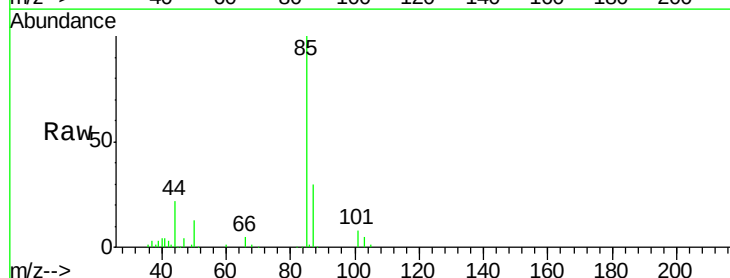
Acq: 11 Jul 2019 04:31

Tgt Ion: 85 Resp: 58449

Ion Ratio Lower Upper

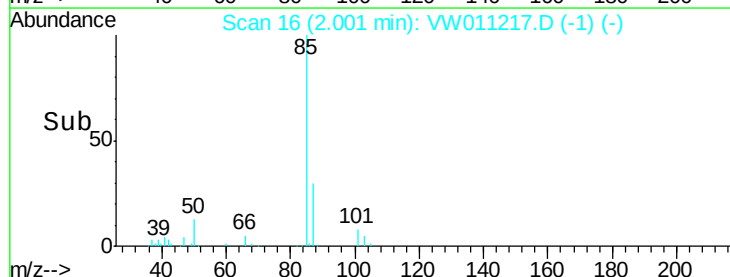
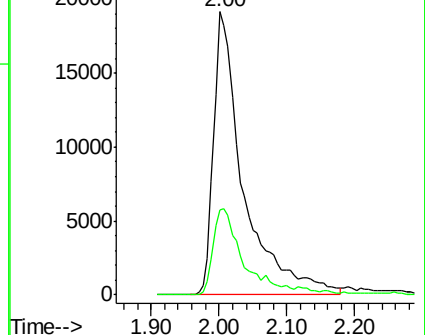
85 100

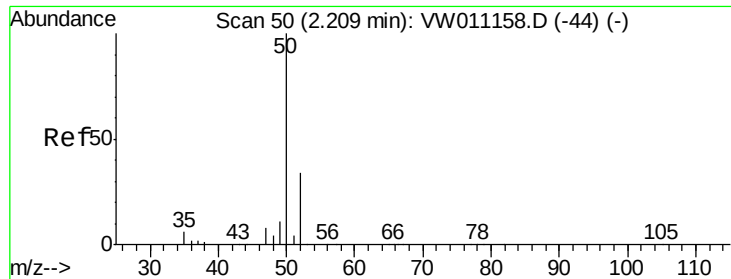
87 29.9 15.9 47.6



Abundance Ion 84.90 (84.60 to 85.60): VW

Ion 86.90 (86.60 to 87.60): VW





#3

Chloromethane

Concen: 50.839 ug/l

RT: 2.20 min Scan# 49

Delta R.T. -0.01 min

Lab File: VW011217.D

Acq: 11 Jul 2019 04:31

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

Tot Ion: 50 Resp: 88621

Ion Ratio Lower Upper

50 100

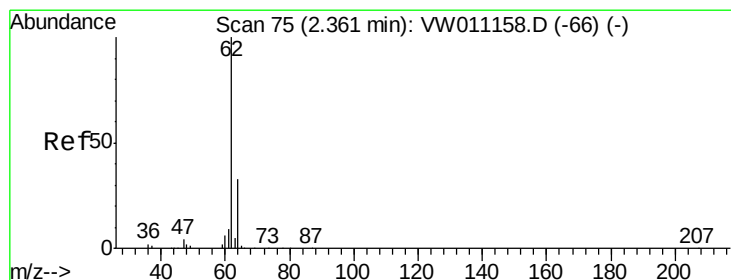
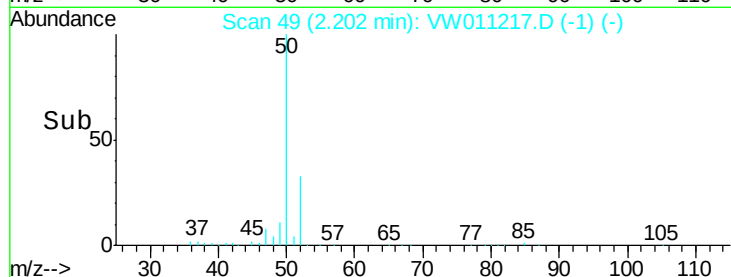
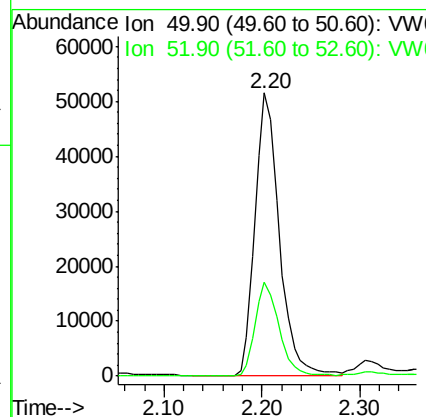
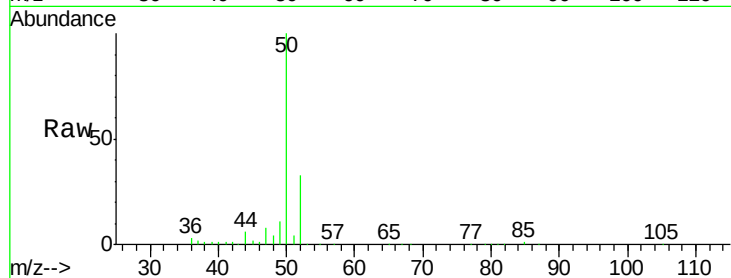
52 33.3 26.9 40.3

Manual Integrations

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#4

Vinyl Chloride

Concen: 48.243 ug/l

RT: 2.35 min Scan# 74

Delta R.T. -0.01 min

Lab File: VW011217.D

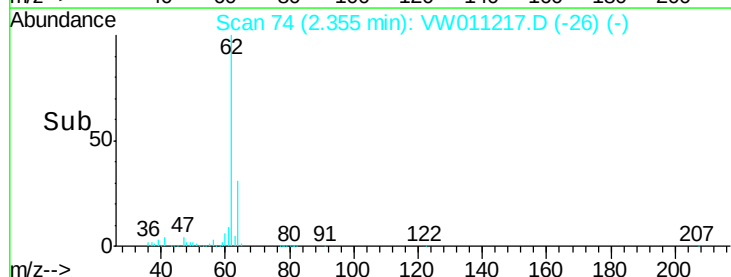
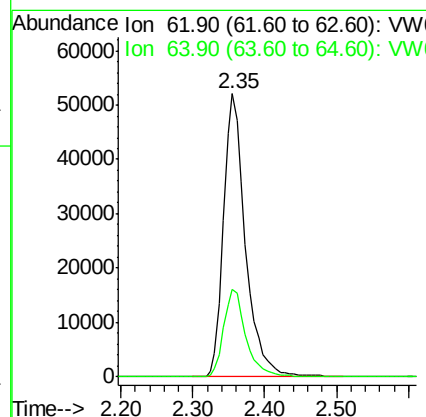
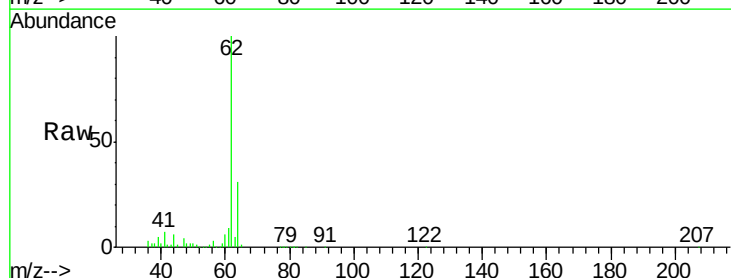
Acq: 11 Jul 2019 04:31

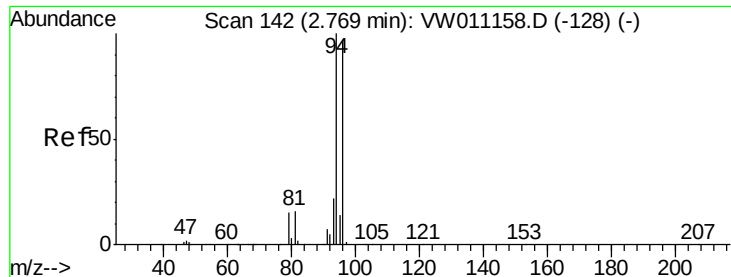
Tgt Ion: 62 Resp: 110070

Ion Ratio Lower Upper

62 100

64 30.8 26.6 40.0





#5

Bromomethane

Concen: 52.495 ug/l

RT: 2.77 min Scan# 142

Delta R.T. 0.00 min

Lab File: VW011217.D

Acq: 11 Jul 2019 04:31

Instrument :

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ClientSampleId :

VSTDCCC050EC

Tot Ion: 94 Resp: 60184

Ion Ratio Lower Upper

94 100

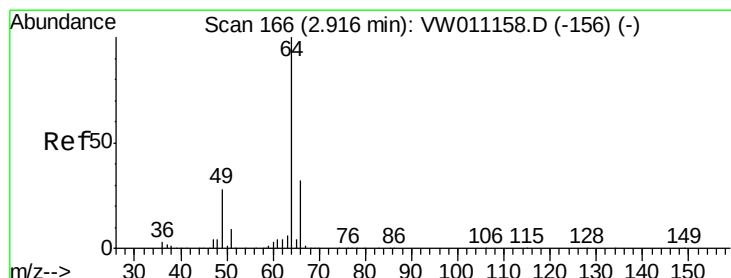
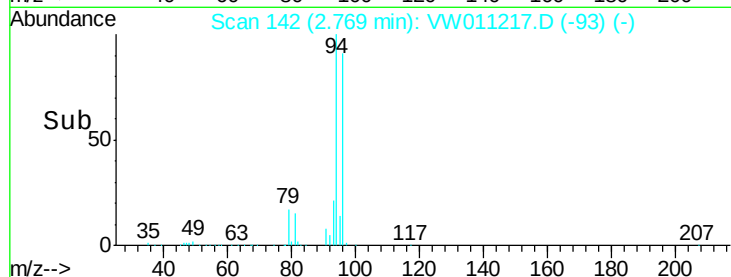
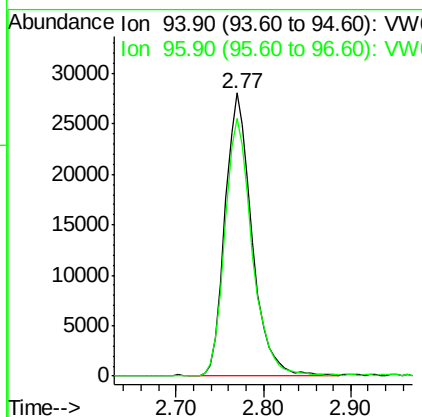
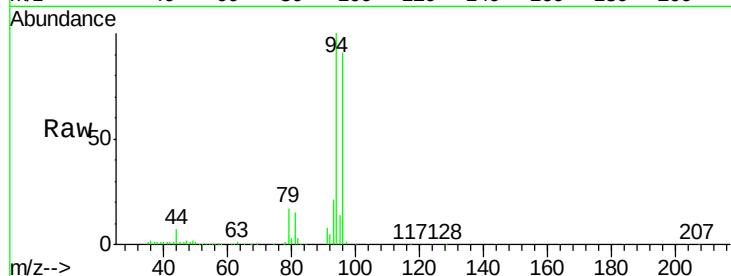
96 91.0 77.4 116.0

Manual Integrations

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#6

Chloroethane

Concen: 52.109 ug/l

RT: 2.91 min Scan# 165

Delta R.T. -0.01 min

Lab File: VW011217.D

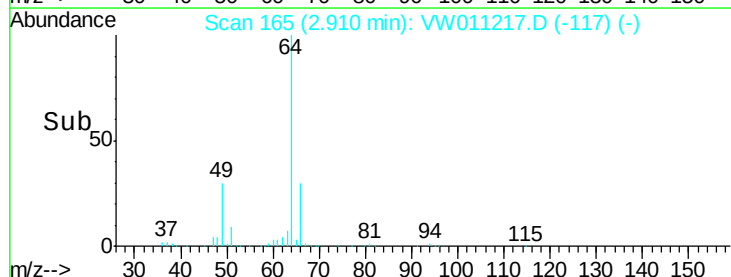
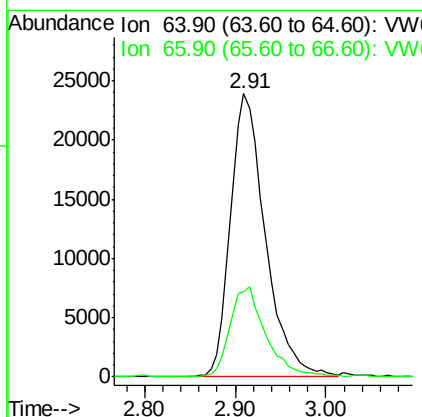
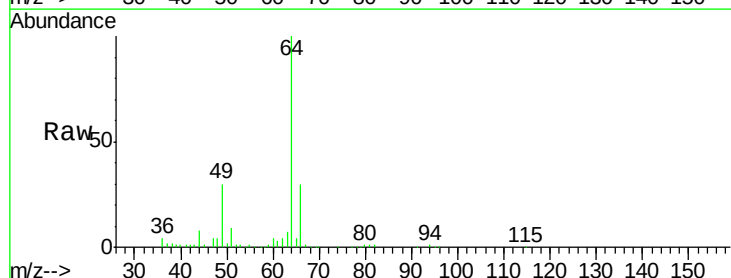
Acq: 11 Jul 2019 04:31

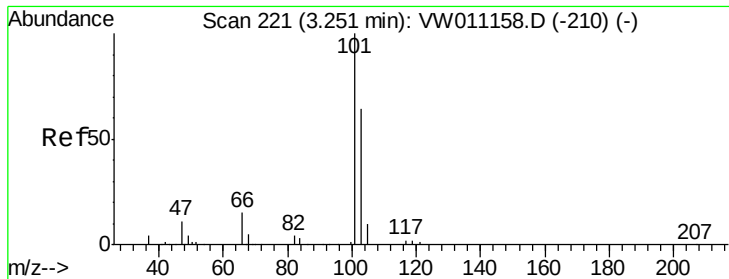
Tgt Ion: 64 Resp: 64036

Ion Ratio Lower Upper

64 100

66 30.1 25.8 38.8





#7

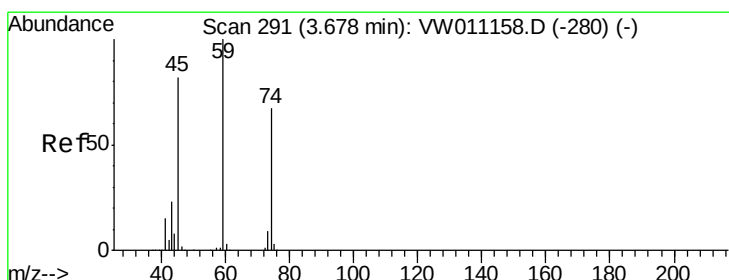
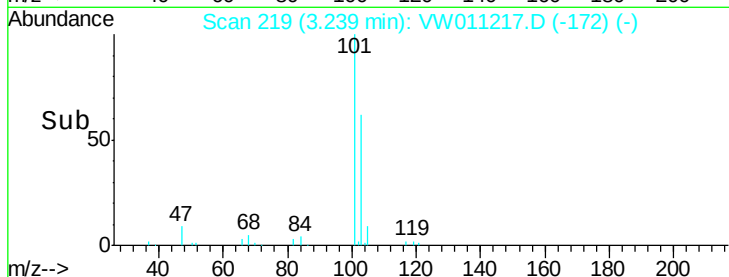
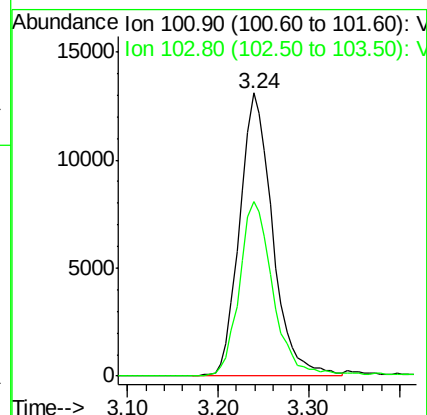
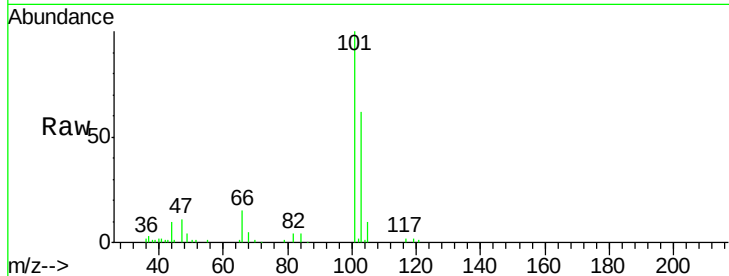
Trichlorofluoromethane
Concen: 40.802 ug/l
RT: 3.24 min Scan# 219
Delta R.T. -0.01 min
Lab File: VW011217.D
Acq: 11 Jul 2019 04:31

Instrument :
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Tot Ion	Ratio	Lower	Upper
101	100		
103	61.9	51.3	76.9

Manual Integrations
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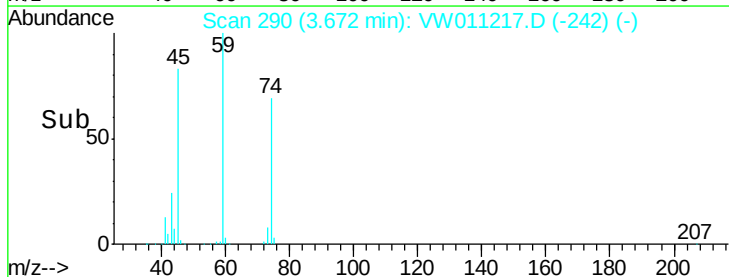
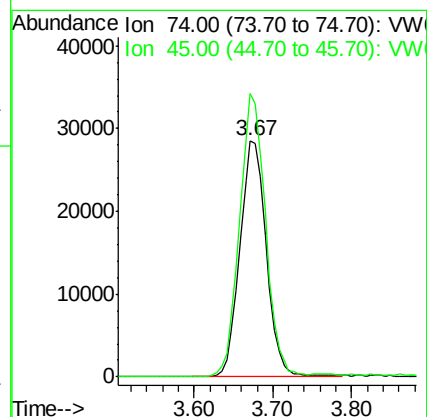
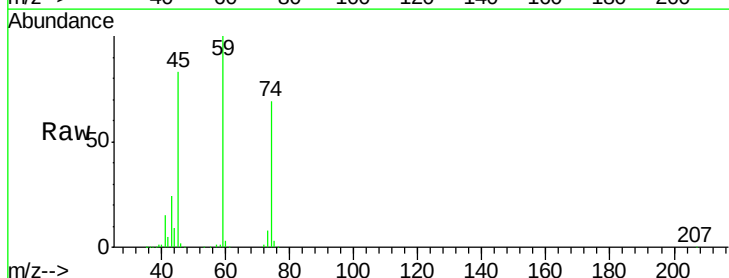
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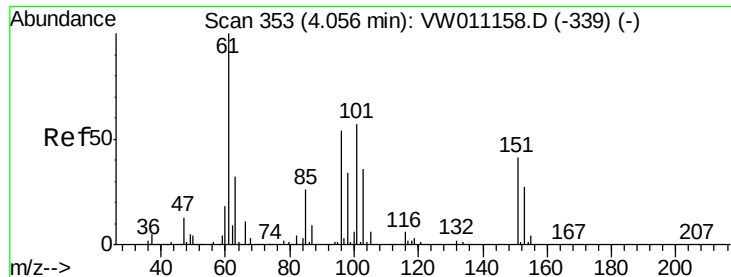


#8

Diethyl Ether
Concen: 59.288 ug/l
RT: 3.67 min Scan# 290
Delta R.T. -0.01 min
Lab File: VW011217.D
Acq: 11 Jul 2019 04:31

Tgt Ion	Ratio	Lower	Upper
74	100		
45	117.6	59.9	179.7





#9

1,1,2-Trichlorotrifluoroethane

Concen: 48.960 ug/l

RT: 4.05 min Scan# 352

Delta R.T. -0.01 min

Lab File: VW011217.D

Acq: 11 Jul 2019 04:31

Instrument :

MSVOA_W

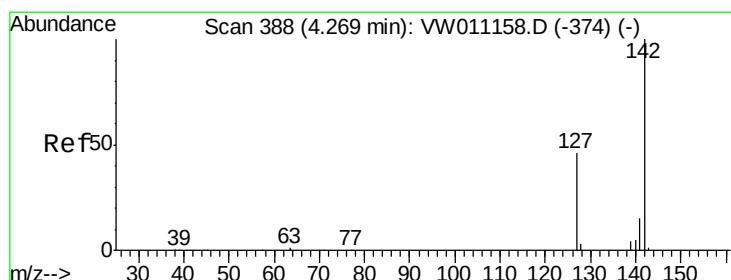
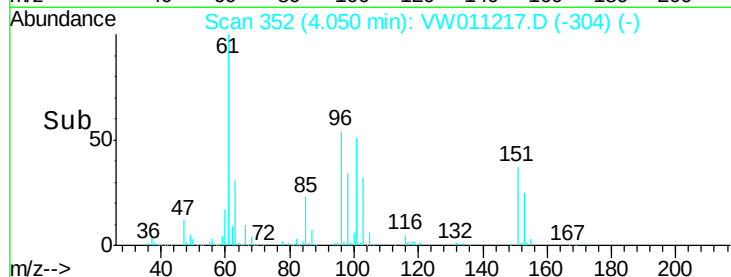
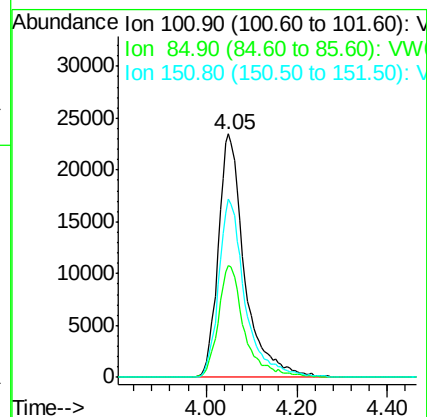
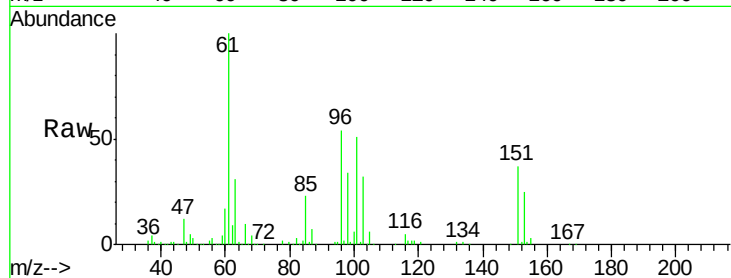
ClientSampleId :

VSTDCCC050EC

Tot Ion:	101	Resp:	95054
Ion Ratio	Lower	Upper	
101	100		
85	45.5	36.5	54.7
151	73.2	59.1	88.7

Manual Integrations
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MMDadoda
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#10

Methyl Iodide

Concen: 57.141 ug/l

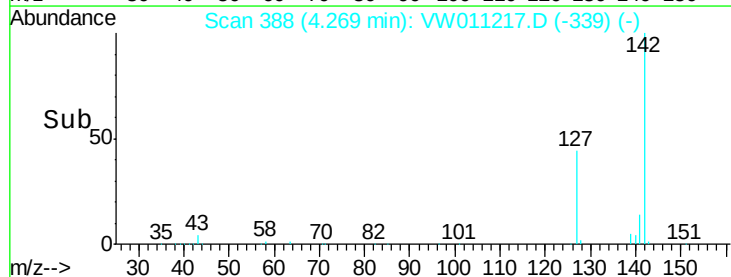
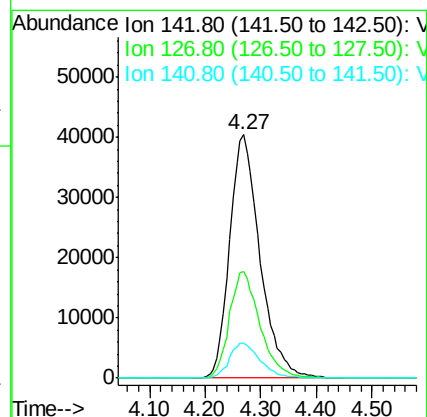
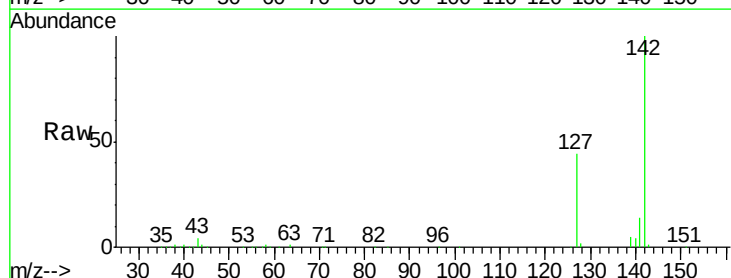
RT: 4.27 min Scan# 388

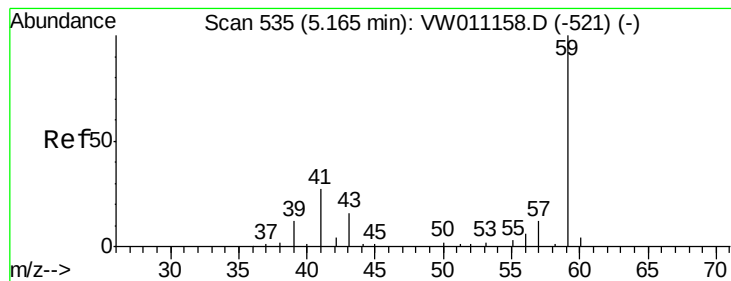
Delta R.T. 0.00 min

Lab File: VW011217.D

Acq: 11 Jul 2019 04:31

Tgt Ion:	142	Resp:	152579
Ion Ratio	Lower	Upper	
142	100		
127	44.2	35.7	53.5
141	14.7	11.5	17.3





#11

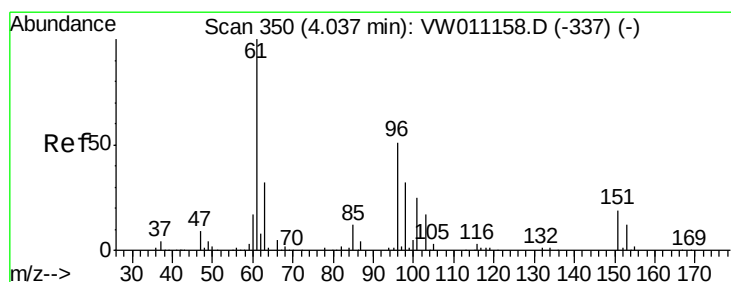
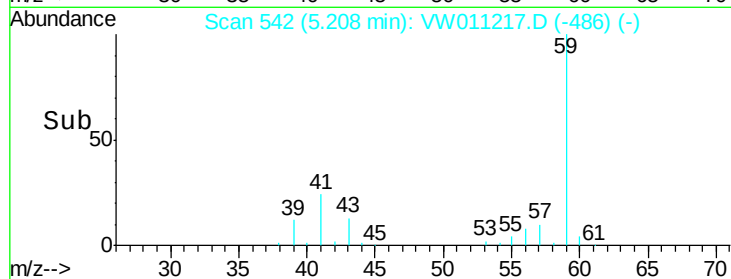
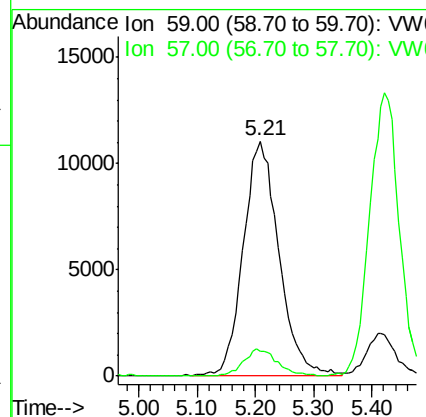
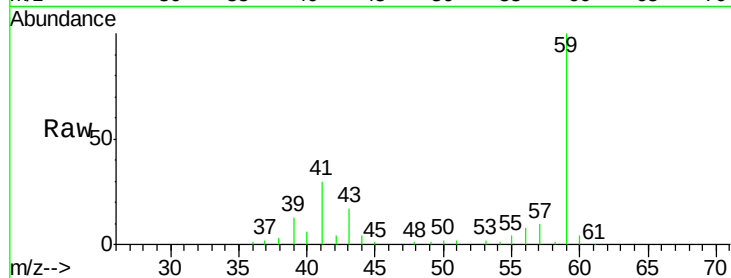
Tert butyl alcohol
 Concen: 279.647 ug/l
 RT: 5.21 min Scan# 542
 Delta R.T. 0.04 min
 Lab File: VW011217.D
 Acq: 11 Jul 2019 04:31

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	59	Resp	47189
Ion Ratio	100	Lower	Upper
59	100		
57	10.9	9.0	13.6

Manual Integrations
 APPROVED

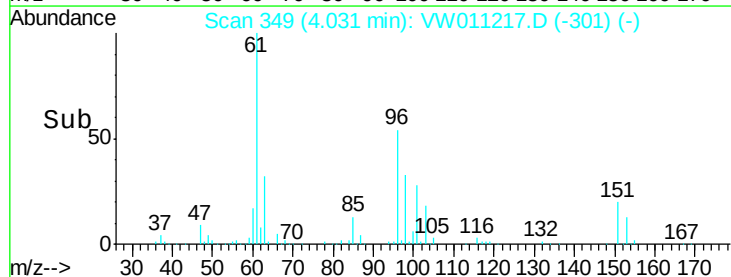
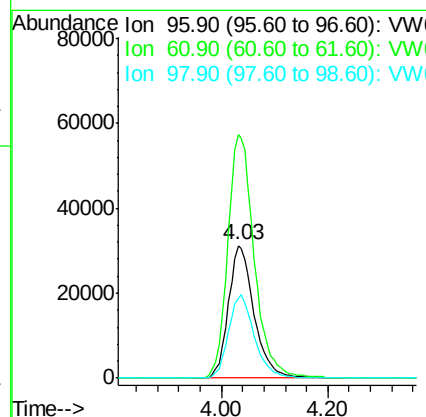
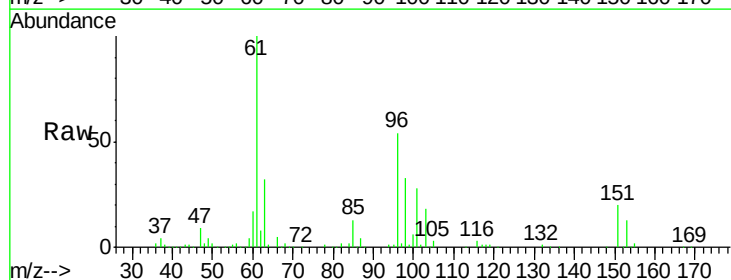
MMDadoda
 7/11/2019 2:50:31 PM

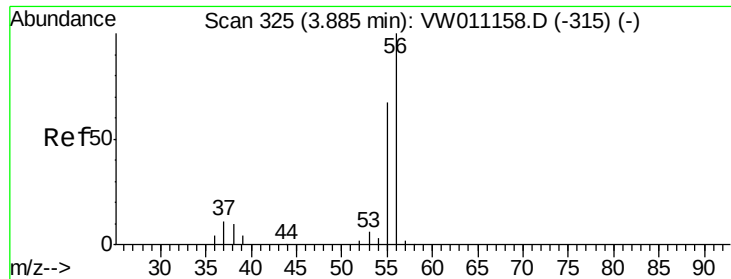


#12

1,1-Dichloroethene
 Concen: 52.080 ug/l
 RT: 4.03 min Scan# 349
 Delta R.T. -0.01 min
 Lab File: VW011217.D
 Acq: 11 Jul 2019 04:31

Tgt Ion	96	Resp	104943
Ion Ratio	100	Lower	Upper
96	100		
61	184.1	157.7	236.5
98	60.1	50.9	76.3





#13

Acrolein

Concen: 266.822 ug/l

RT: 3.89 min Scan# 326

Delta R.T. 0.01 min

Lab File: VW011217.D

Acq: 11 Jul 2019 04:31

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

Tot Ion: 56 Resp: 35853

Ion Ratio Lower Upper

56 100

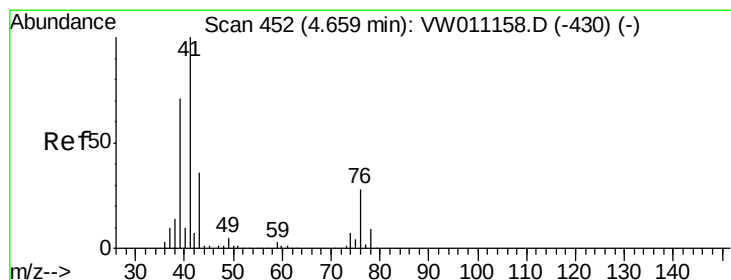
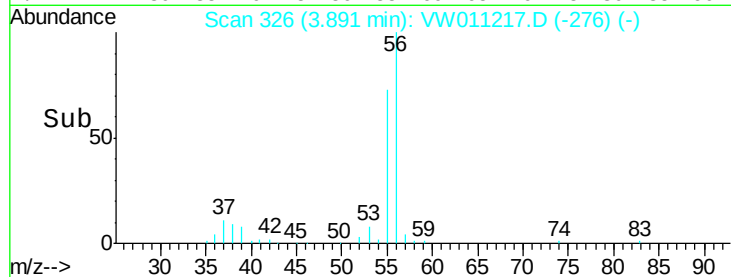
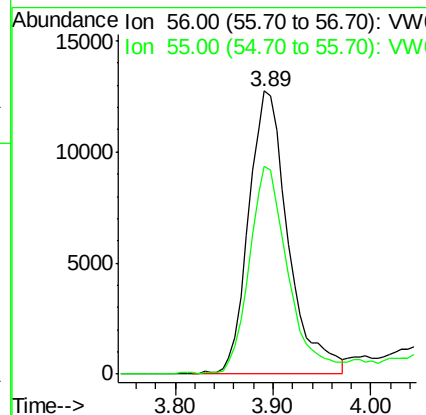
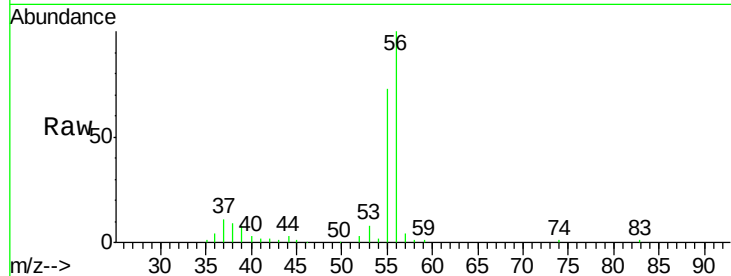
55 71.2 56.4 84.6

Manual Integrations

APPROVED

MMDadoda

7/11/2019 2:50:31 PM



#14

Allyl chloride

Concen: 46.251 ug/l

RT: 4.66 min Scan# 452

Delta R.T. 0.00 min

Lab File: VW011217.D

Acq: 11 Jul 2019 04:31

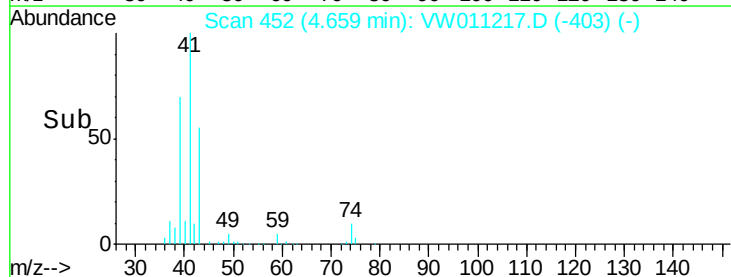
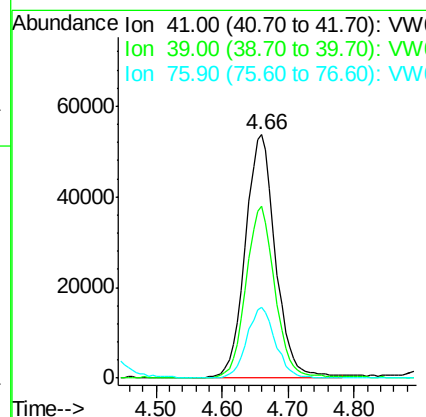
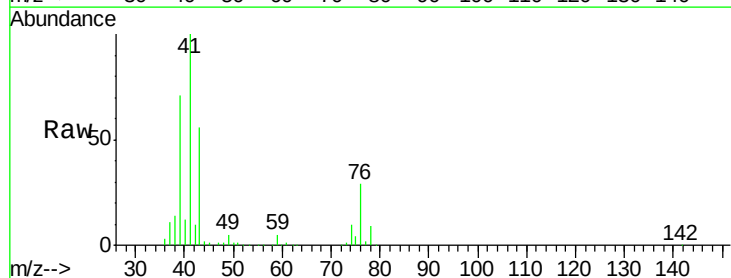
Tgt Ion: 41 Resp: 169949

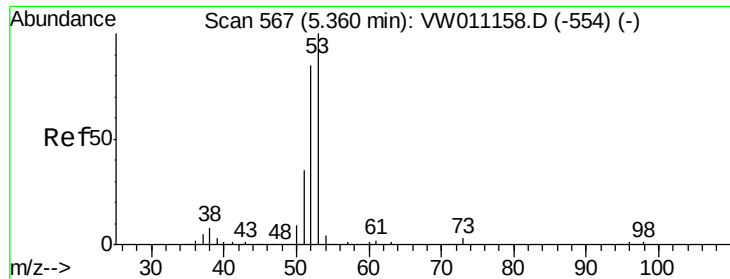
Ion Ratio Lower Upper

41 100

39 67.8 55.1 82.7

76 26.9 22.5 33.7





#15

Acrylonitrile

Concen: 295.442 ug/l

RT: 5.37 min Scan# 568

Delta R.T. 0.01 min

Lab File: VW011217.D

Acq: 11 Jul 2019 04:31

Instrument :

MSVOA_W

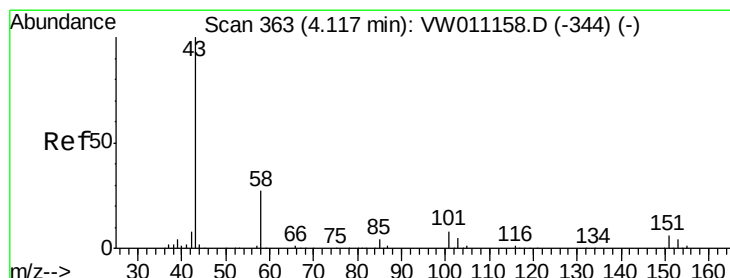
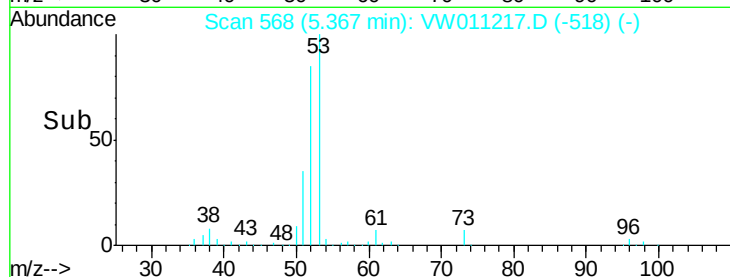
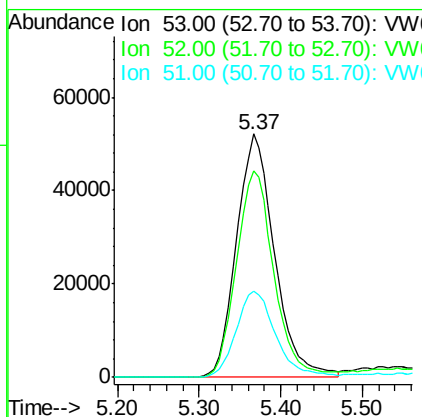
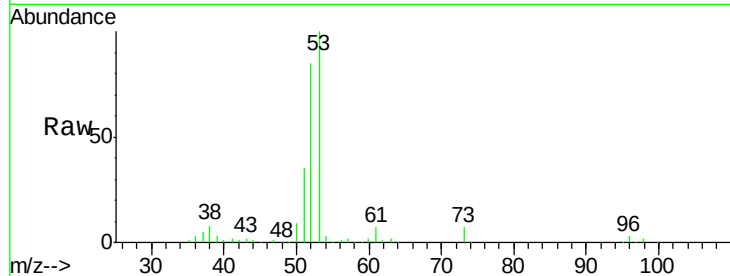
ClientSampled :

VSTDCCC050EC

Tot Ion:	53	Resp:	168744
Ion	Ratio	Lower	Upper
53	100		
52	83.3	66.2	99.4
51	36.7	29.1	43.7

Manual Integrations
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#16

Acetone

Concen: 247.528 ug/l

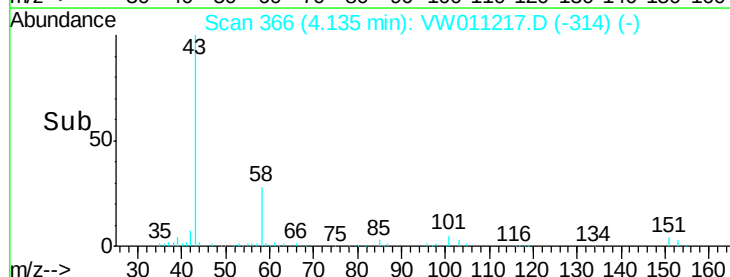
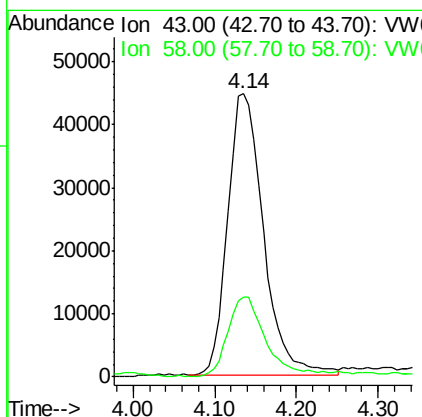
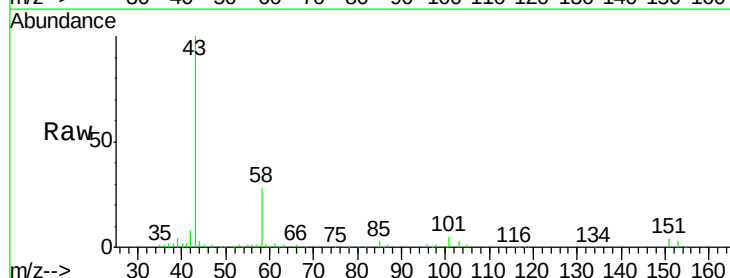
RT: 4.14 min Scan# 366

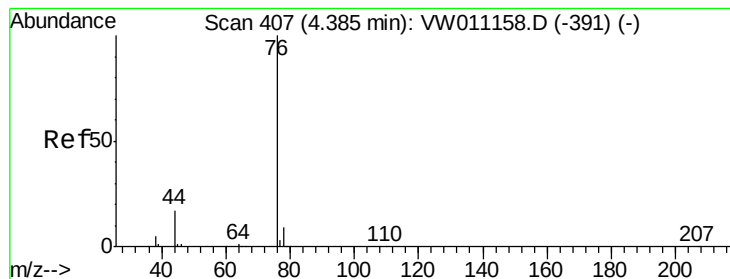
Delta R.T. 0.02 min

Lab File: VW011217.D

Acq: 11 Jul 2019 04:31

Tgt Ion:	43	Resp:	135745
Ion	Ratio	Lower	Upper
43	100		
58	28.3	21.8	32.6





#17

Carbon Disulfide

Concen: 49.456 ug/l

RT: 4.38 min Scan# 406

Delta R.T. -0.01 min

Lab File: VW011217.D

Acq: 11 Jul 2019 04:31

Tot Ion: 76 Resp: 302123

Ion Ratio Lower Upper

76 100

78 9.1 7.1 10.7

Instrument :

MSVOA_W

ClientSampleId :

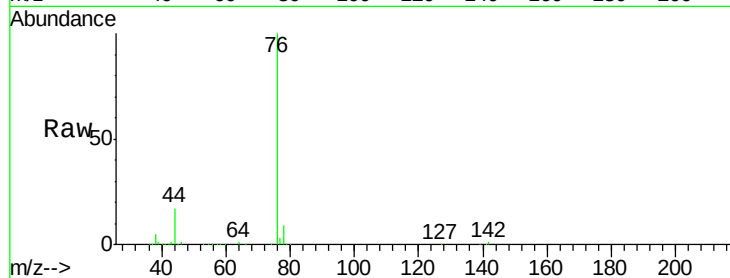
VSTDCCC050EC

Manual Integrations

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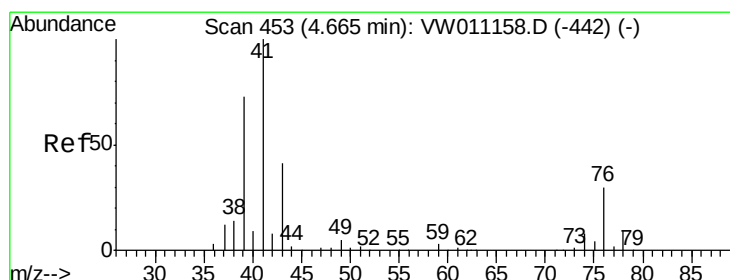
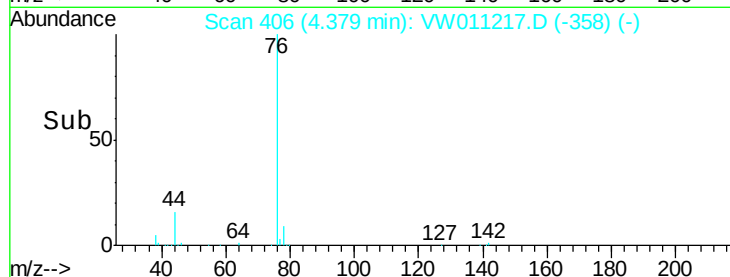
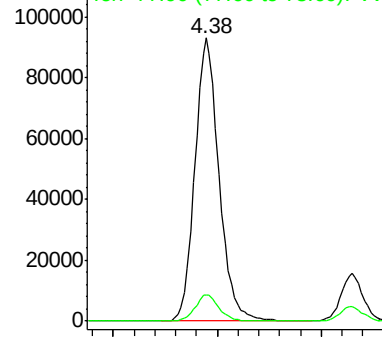
MMDadoda

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Abundance Ion 75.90 (75.60 to 76.60): VW

Ion 77.90 (77.60 to 78.60): VW



#18

Methyl Acetate

Concen: 67.210 ug/l

RT: 4.67 min Scan# 454

Delta R.T. 0.01 min

Lab File: VW011217.D

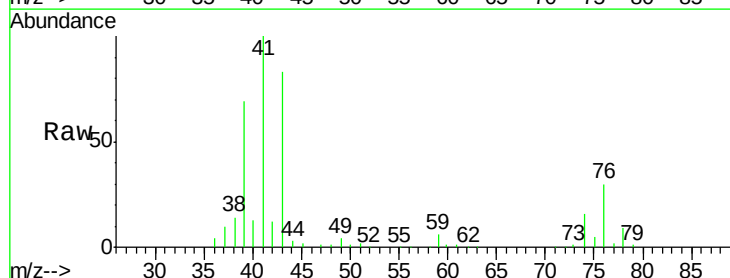
Acq: 11 Jul 2019 04:31

Tgt Ion: 43 Resp: 104057

Ion Ratio Lower Upper

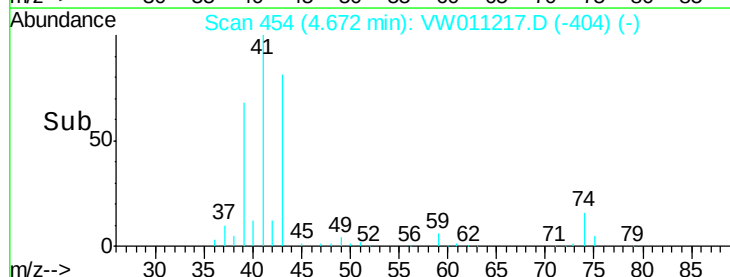
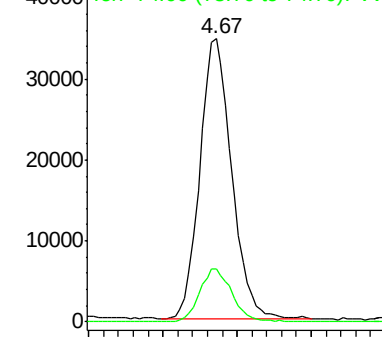
43 100

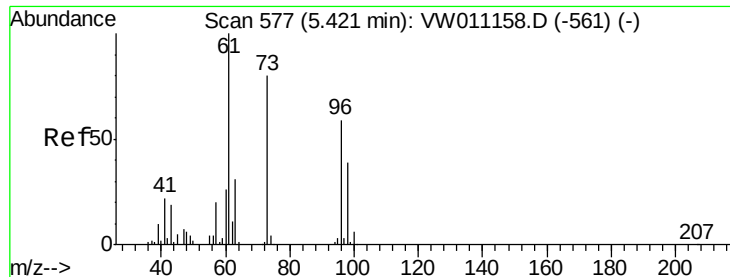
74 19.3 15.7 23.5



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 74.00 (73.70 to 74.70): VW





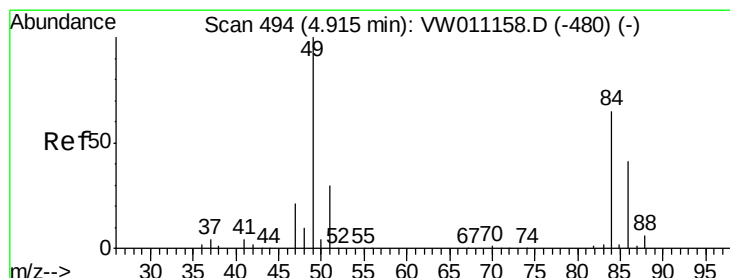
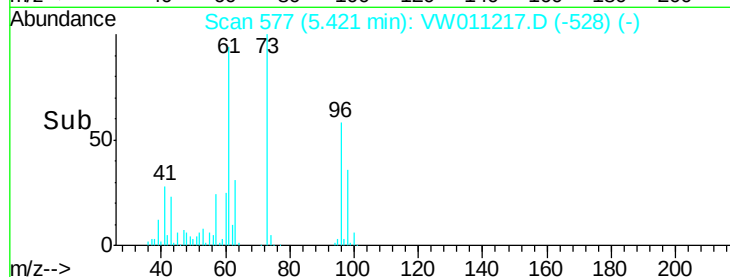
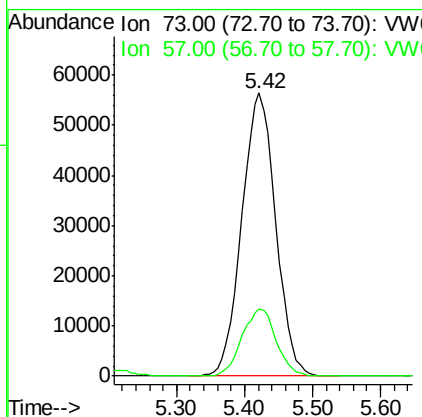
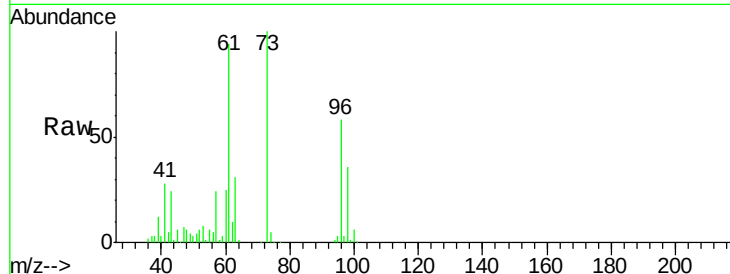
#19
Methyl tert-butyl Ether
Concen: 63.900 ug/l
RT: 5.42 min Scan# 577
Delta R.T. 0.00 min
Lab File: VW011217.D
Acq: 11 Jul 2019 04:31

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tot Ion: 73 Resp: 195373
Ion Ratio Lower Upper
73 100
57 23.6 19.7 29.5

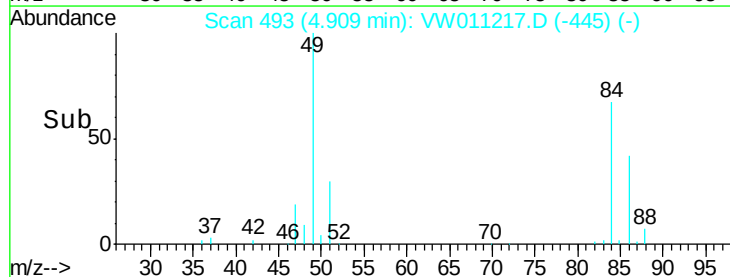
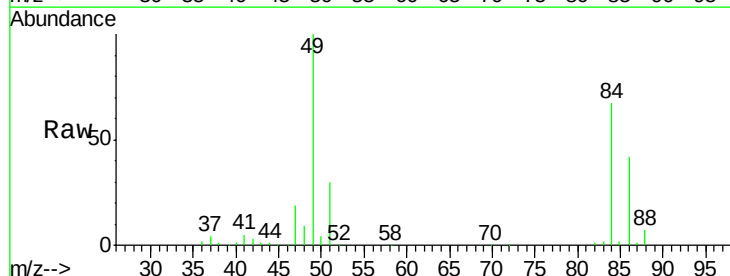
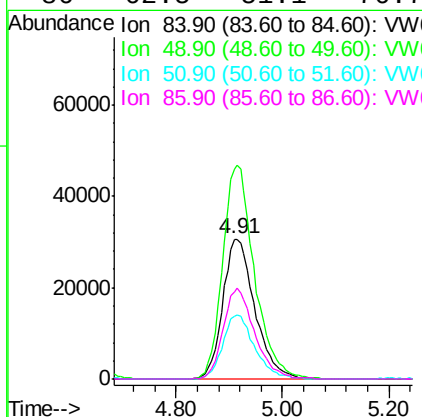
Manual Integrations
APPROVED

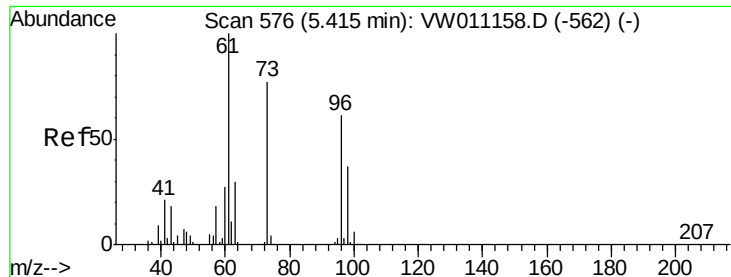
MMDadoda
7/11/2019 2:50:31 PM



#20
Methylene Chloride
Concen: 59.443 ug/l
RT: 4.91 min Scan# 493
Delta R.T. -0.01 min
Lab File: VW011217.D
Acq: 11 Jul 2019 04:31

Tgt Ion: 84 Resp: 128599
Ion Ratio Lower Upper
84 100
49 149.8 123.8 185.6
51 44.5 37.4 56.2
86 62.5 51.1 76.7





#21

trans-1,2-Dichloroethene

Concen: 55.259 ug/l

RT: 5.42 min Scan# 576

Delta R.T. 0.00 min

Lab File: VW011217.D

Acq: 11 Jul 2019 04:31

Instrument :

MSVOA_W

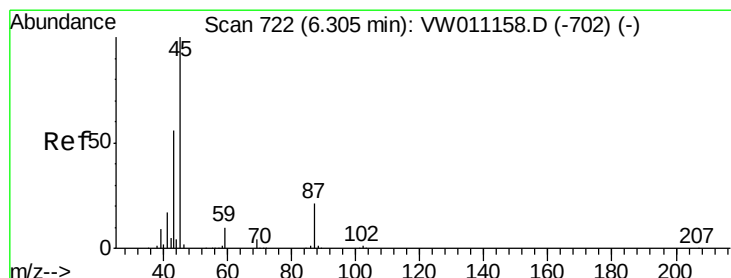
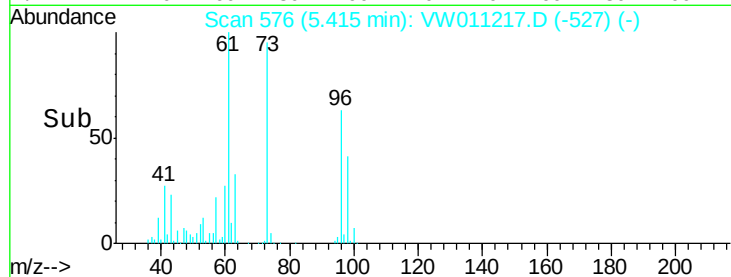
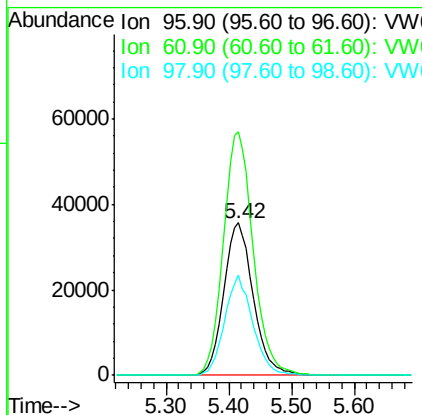
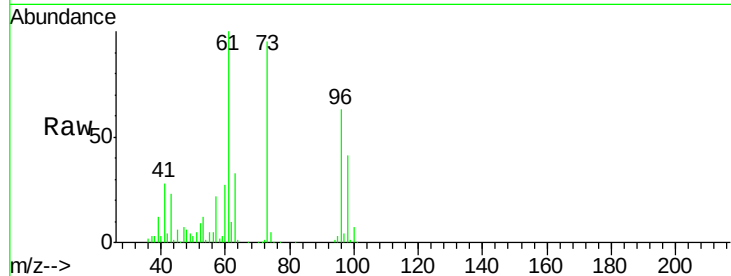
ClientSampleId :

VSTDCCC050EC

Tot Ion:	96	Resp:	115702
Ion	Ratio	Lower	Upper
96	100		
61	159.7	132.2	198.2
98	66.1	49.4	74.0

Manual Integrations
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MMDadoda
7/11/2019 2:50:31 PM



#22

Diisopropyl ether

Concen: 59.604 ug/l

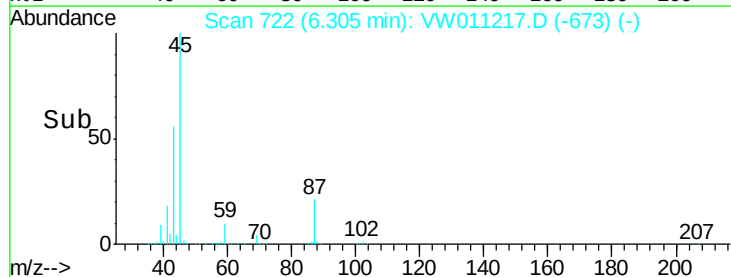
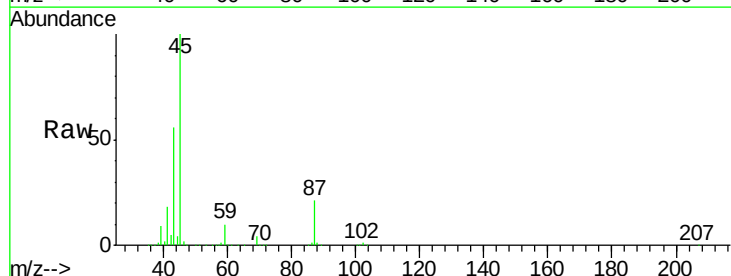
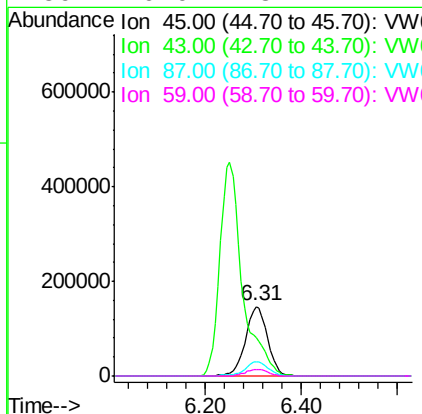
RT: 6.31 min Scan# 722

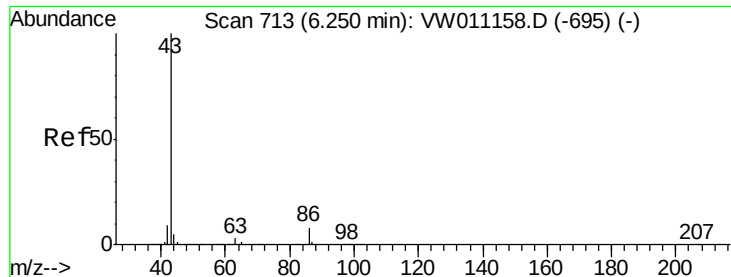
Delta R.T. 0.00 min

Lab File: VW011217.D

Acq: 11 Jul 2019 04:31

Tgt Ion:	45	Resp:	471060
Ion	Ratio	Lower	Upper
45	100		
43	55.6	44.6	66.8
87	20.9	17.3	25.9
59	10.0	8.2	12.2





#23

Vinyl Acetate

Concen: 302.839 ug/l

RT: 6.25 min Scan# 713

Delta R.T. 0.00 min

Lab File: VW011217.D

Acq: 11 Jul 2019 04:31

Tot Ion: 43 Resp: 1481201

Ion Ratio Lower Upper

43 100

86 8.0 6.5 9.7

Instrument :

MSVOA_W

ClientSampleId :

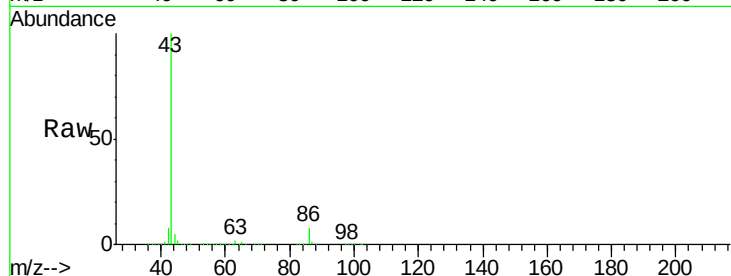
VSTDCCC050EC

Manual Integrations

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MMDadoda

7/11/2019 2:50:31 PM



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 86.00 (85.70 to 86.70): VW

6.25

500000

400000

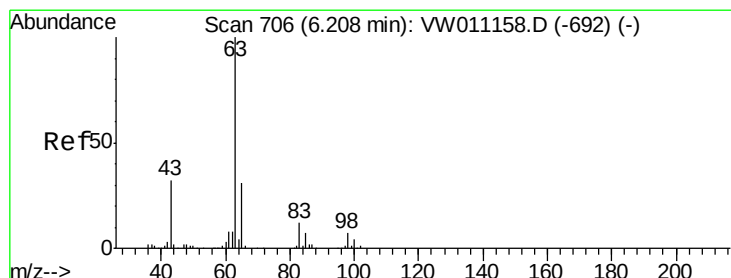
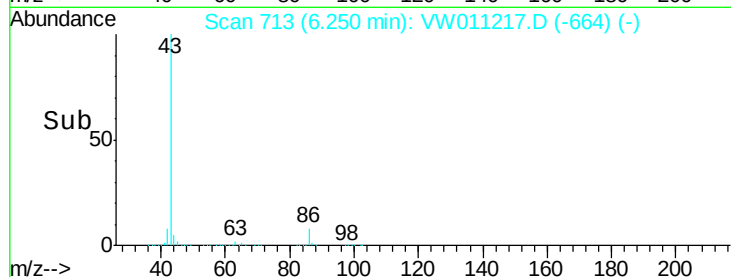
300000

200000

100000

0

Time--> 6.00 6.20 6.40



#24

1,1-Dichloroethane

Concen: 56.969 ug/l

RT: 6.21 min Scan# 706

Delta R.T. 0.00 min

Lab File: VW011217.D

Acq: 11 Jul 2019 04:31

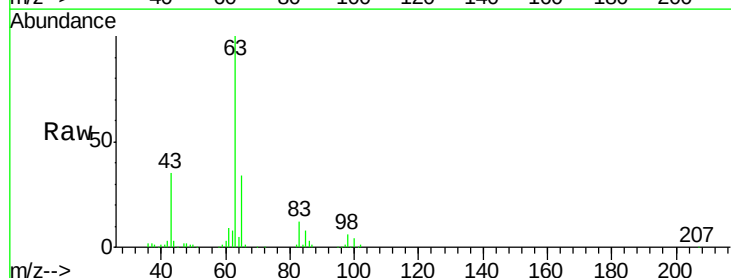
Tgt Ion: 63 Resp: 236427

Ion Ratio Lower Upper

63 100

98 6.2 3.3 9.9

100 4.0 2.1 6.2



Abundance Ion 62.90 (62.60 to 63.60): VW

Ion 97.90 (97.60 to 98.60): VW

Ion 99.90 (99.60 to 100.60): VW

6.21

100000

80000

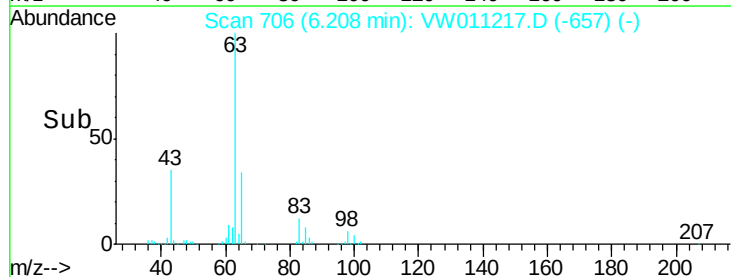
60000

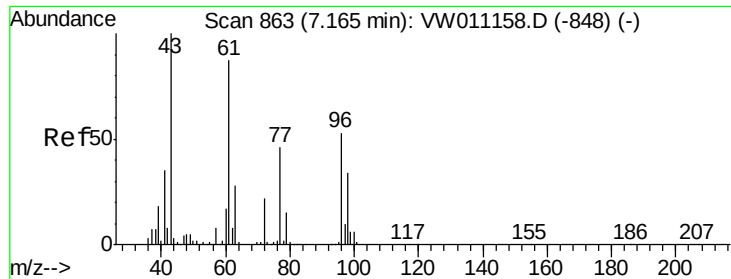
40000

20000

0

Time--> 6.00 6.10 6.20 6.30 6.40





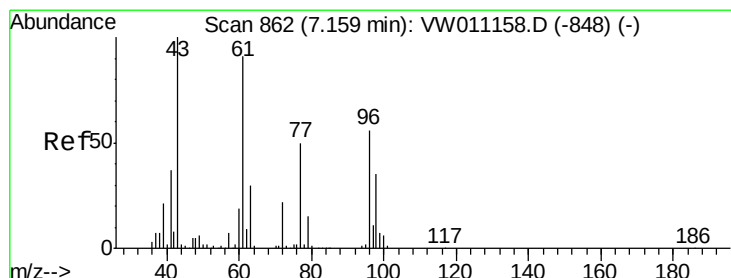
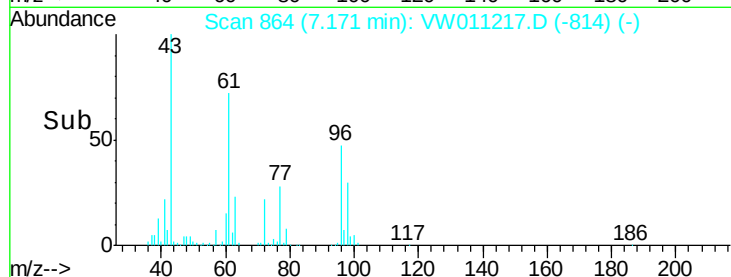
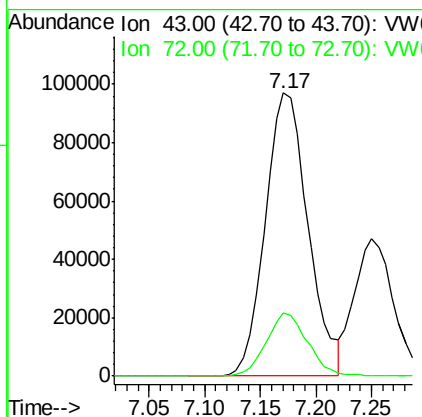
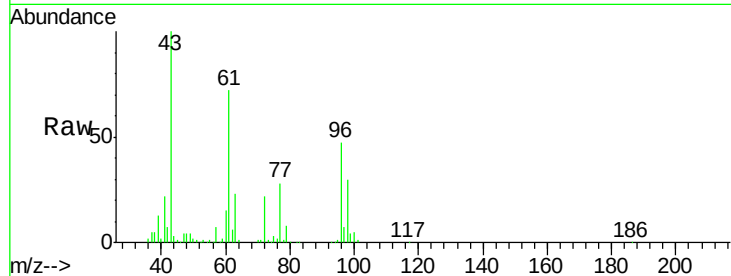
#25
2-Butanone
Concen: 301.721 ug/l
RT: 7.17 min Scan# 864
Delta R.T. 0.01 min
Lab File: VW011217.D
Acq: 11 Jul 2019 04:31

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tot Ion: 43 Resp: 259736
Ion Ratio Lower Upper
43 100
72 22.2 17.6 26.4

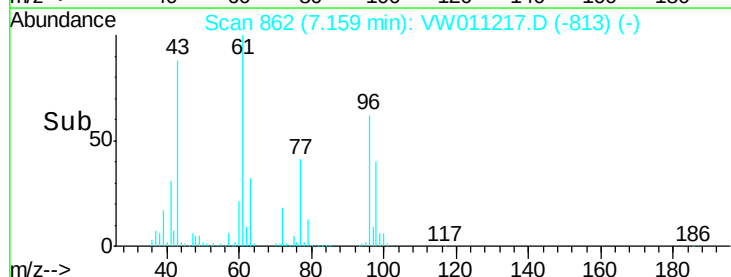
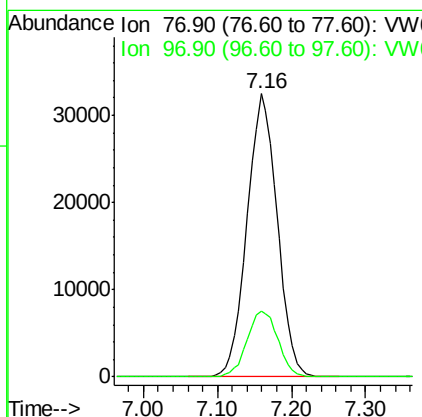
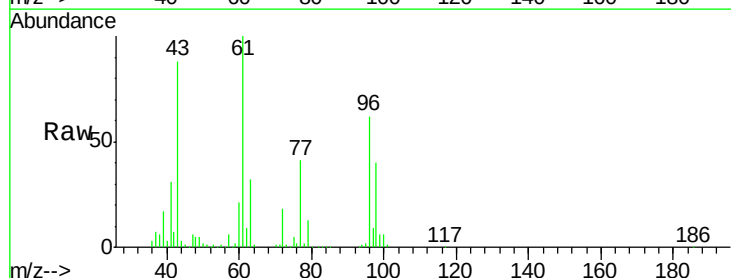
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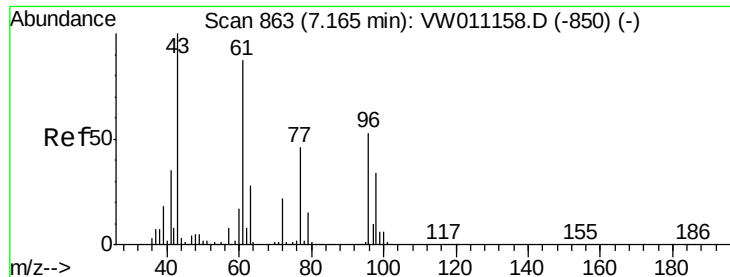
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#26
2,2-Dichloropropane
Concen: 42.787 ug/l
RT: 7.16 min Scan# 862
Delta R.T. 0.00 min
Lab File: VW011217.D
Acq: 11 Jul 2019 04:31

Tgt Ion: 77 Resp: 92302
Ion Ratio Lower Upper
77 100
97 24.0 11.2 33.5





#27

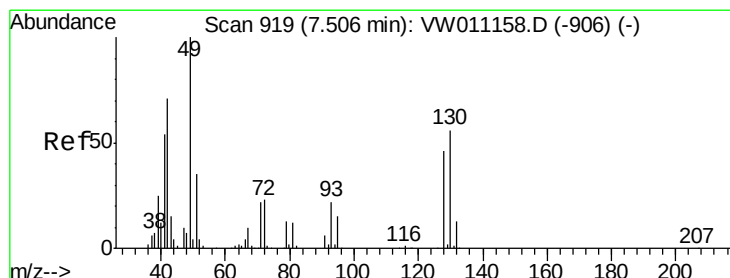
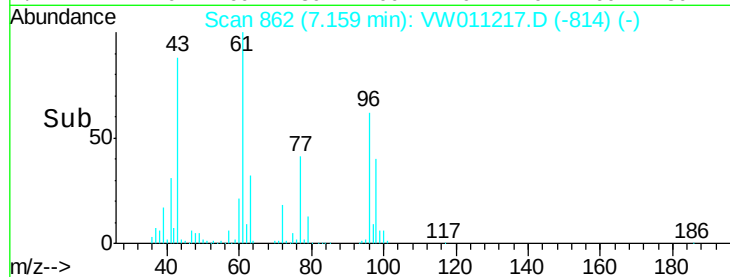
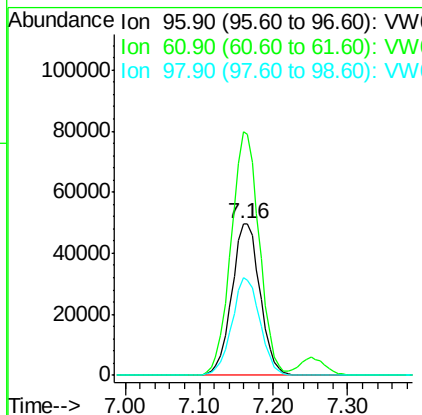
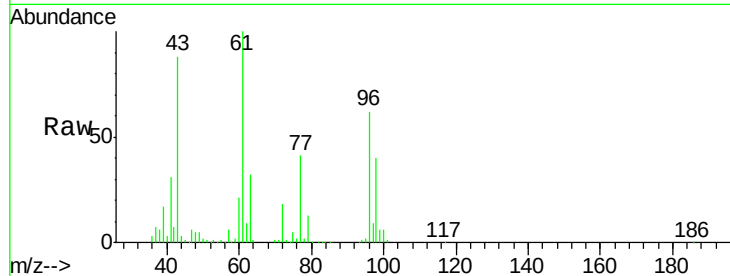
cis-1,2-Dichloroethene
Concen: 58.428 ug/l
RT: 7.16 min Scan# 862
Delta R.T. -0.01 min
Lab File: VW011217.D
Acq: 11 Jul 2019 04:31

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
96	100		
61	160.2	0.0	325.6
98	64.0	0.0	128.2

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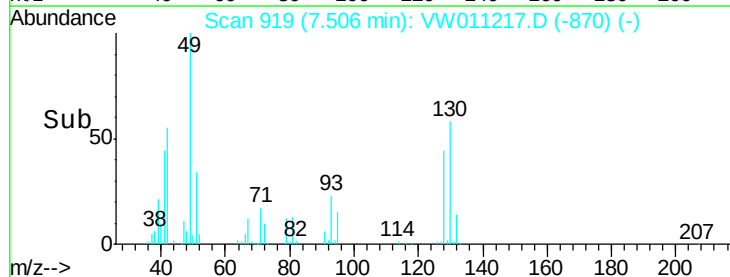
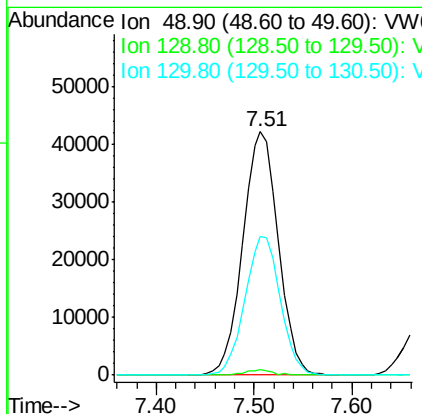
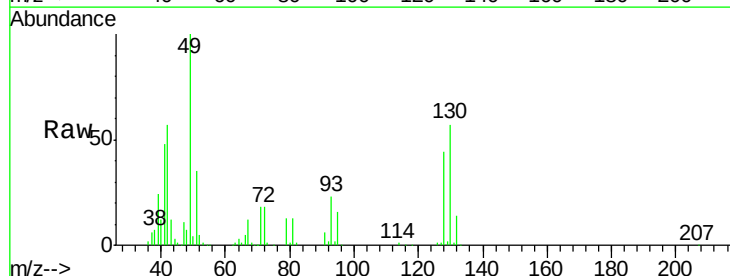
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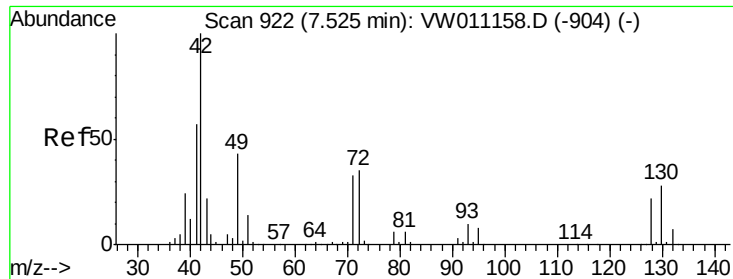


#28

Bromochloromethane
Concen: 56.275 ug/l
RT: 7.51 min Scan# 919
Delta R.T. 0.00 min
Lab File: VW011217.D
Acq: 11 Jul 2019 04:31

Tgt Ion	Ratio	Lower	Upper
49	100		
129	1.6	0.0	1.4#
130	56.7	45.8	68.8





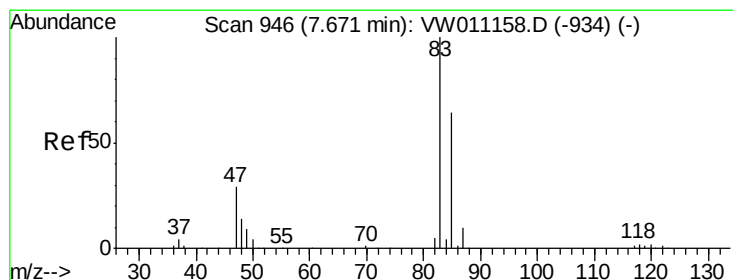
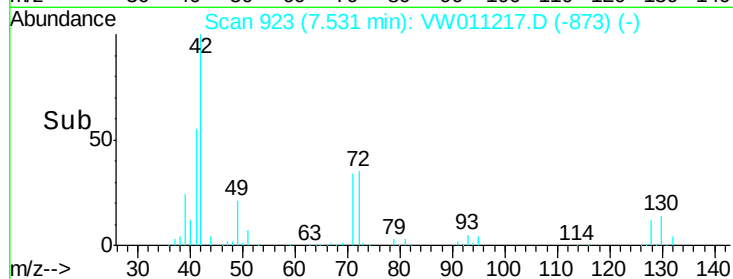
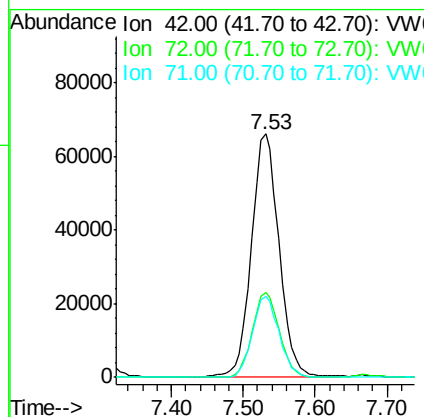
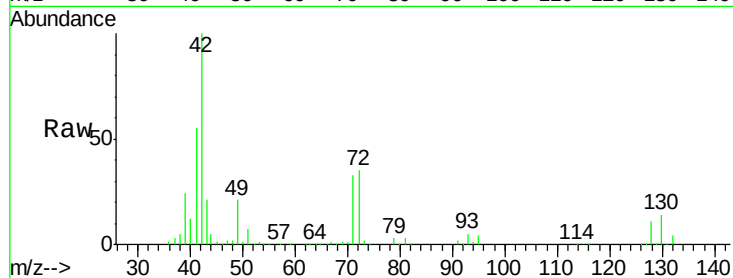
#29
Tetrahydrofuran
Concen: 312.419 ug/l
RT: 7.53 min Scan# 923
Delta R.T. 0.01 min
Lab File: VW011217.D
Acq: 11 Jul 2019 04:31

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
42	100		
72	34.3	27.4	41.2
71	32.3	25.9	38.9

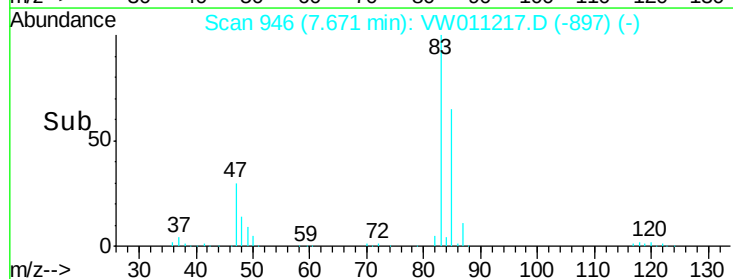
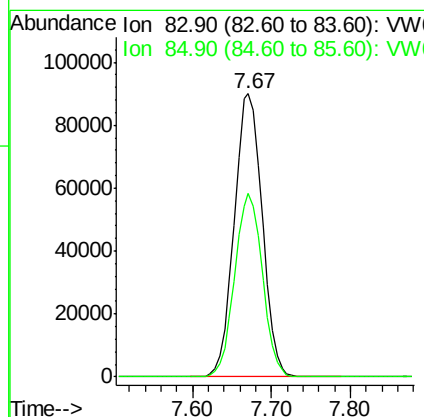
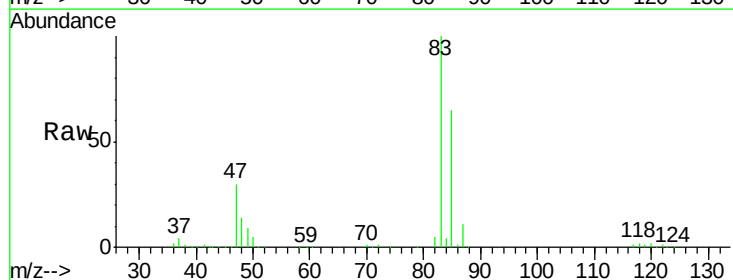
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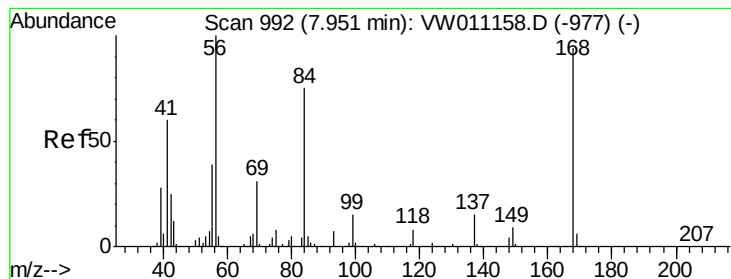
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#30
Chloroform
Concen: 57.809 ug/l
RT: 7.67 min Scan# 946
Delta R.T. 0.00 min
Lab File: VW011217.D
Acq: 11 Jul 2019 04:31

Tgt Ion	Ratio	Lower	Upper
83	100		
85	64.9	51.4	77.2





#31

Cyclohexane

Concen: 46.846 ug/l

RT: 7.95 min Scan# 992

Delta R.T. 0.00 min

Lab File: VW011217.D

Acq: 11 Jul 2019 04:31

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

Tot Ion: 56 Resp: 206829

Ion Ratio Lower Upper

56 100

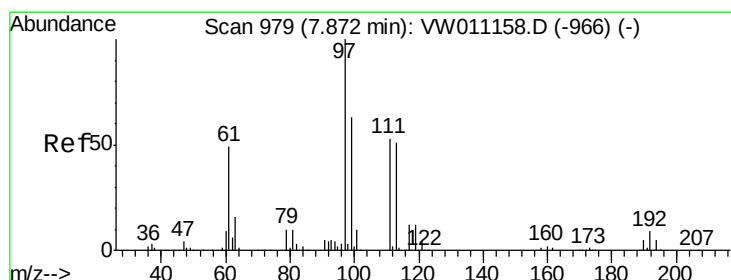
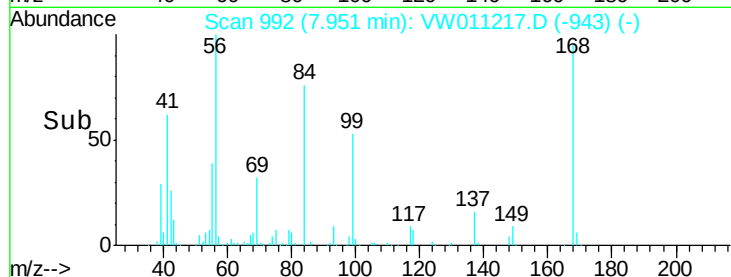
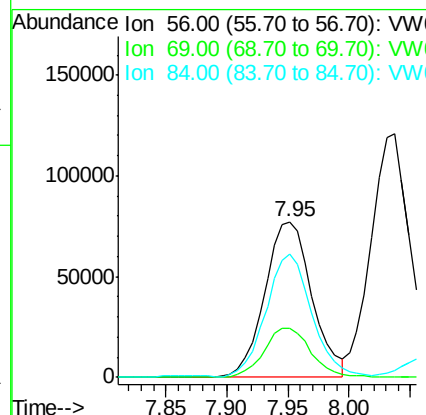
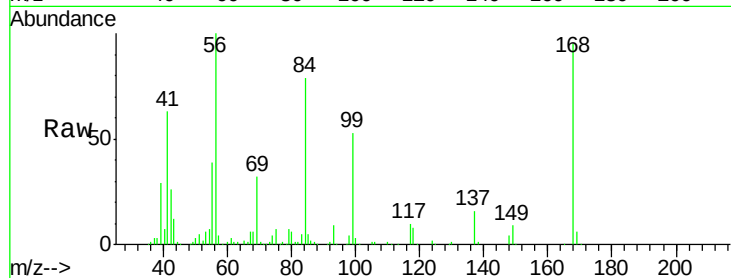
69 31.7 24.6 36.8

84 77.6 60.1 90.1

Manual Integrations
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#32

1,1,1-Trichloroethane

Concen: 53.303 ug/l

RT: 7.87 min Scan# 978

Delta R.T. -0.01 min

Lab File: VW011217.D

Acq: 11 Jul 2019 04:31

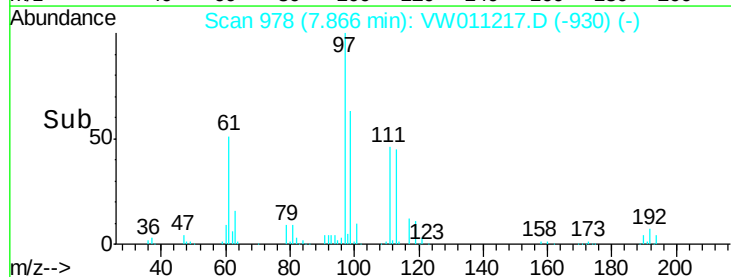
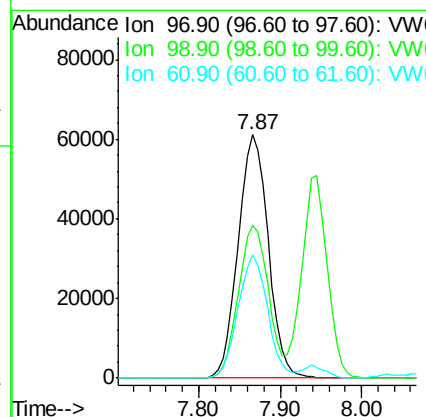
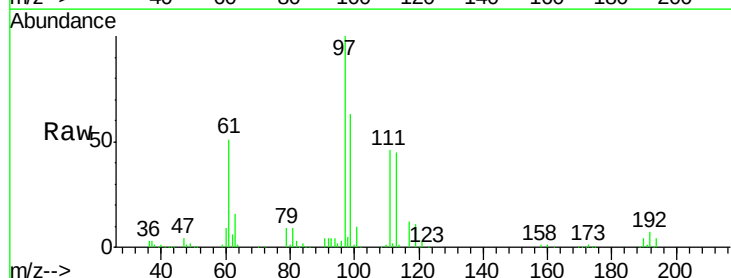
Tgt Ion: 97 Resp: 155840

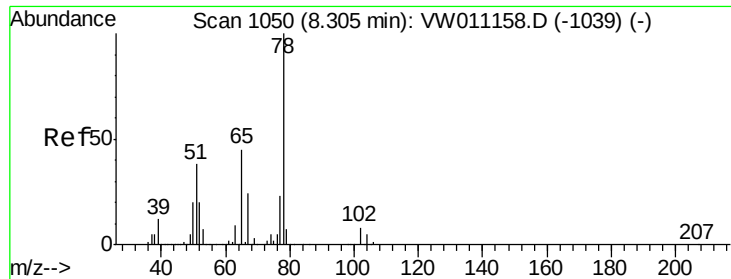
Ion Ratio Lower Upper

97 100

99 62.3 51.0 76.4

61 49.9 40.4 60.6





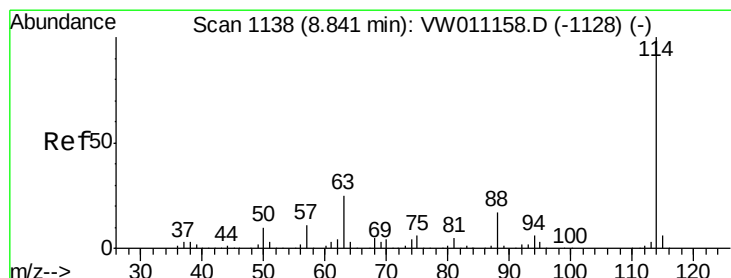
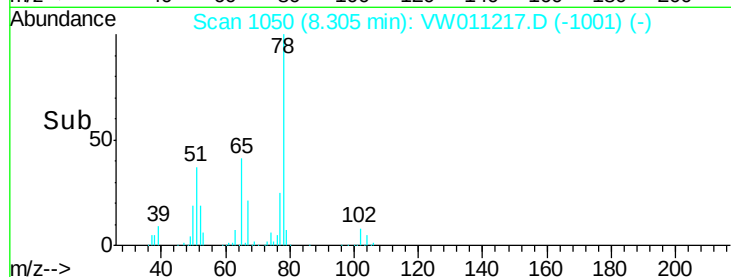
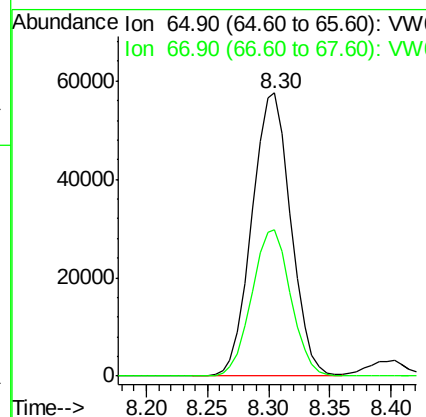
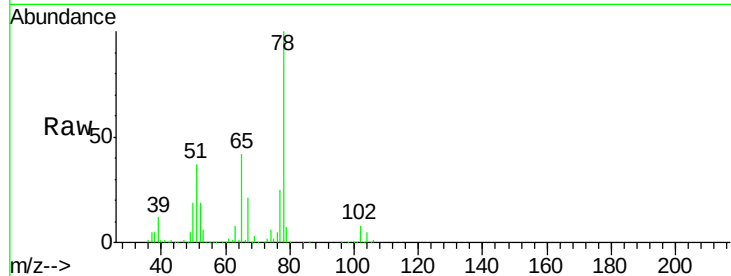
#33
 1,2-Dichloroethane-d4
 Concen: 55.922 ug/l
 RT: 8.30 min Scan# 1050
 Delta R.T. 0.00 min
 Lab File: VW011217.D
 Acq: 11 Jul 2019 04:31

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
65	100		
67	51.8	0.0	104.4

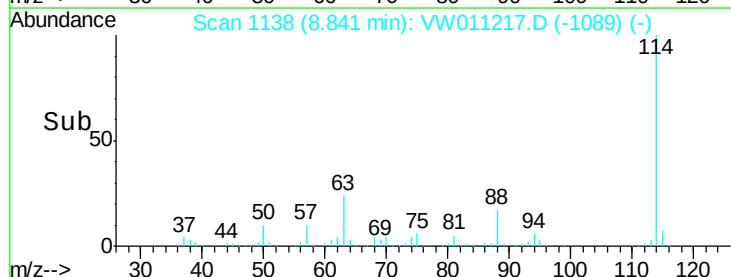
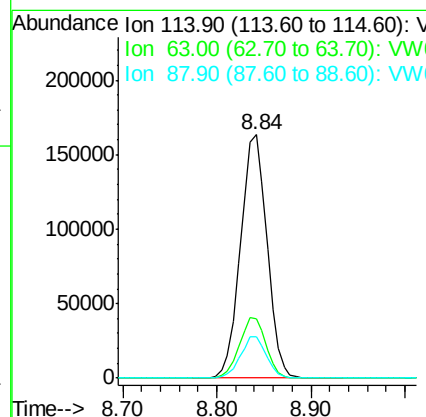
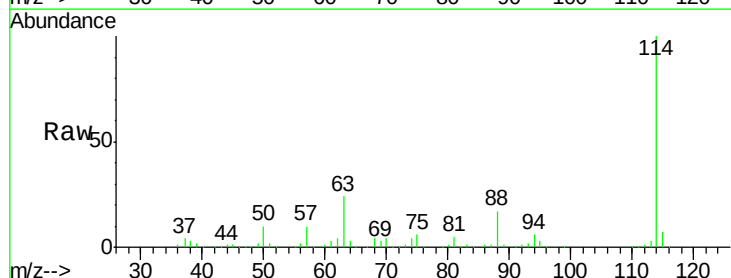
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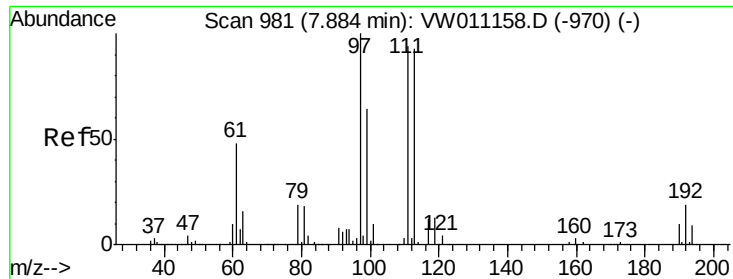
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1138
 Delta R.T. 0.00 min
 Lab File: VW011217.D
 Acq: 11 Jul 2019 04:31

Tgt Ion	Ratio	Lower	Upper
114	100		
63	24.3	0.0	50.8
88	17.1	0.0	34.2





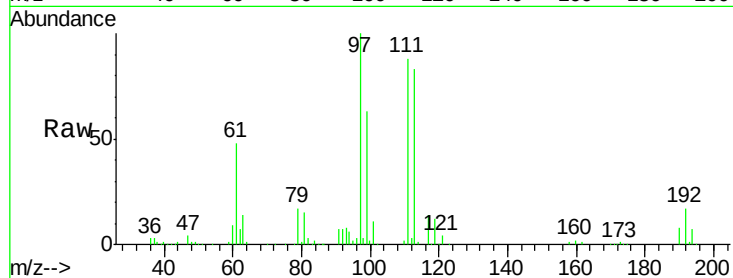
#35
Dibromofluoromethane
Concen: 51.038 ug/l
RT: 7.88 min Scan# 980
Delta R.T. -0.01 min
Lab File: VW011217.D
Acq: 11 Jul 2019 04:31

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

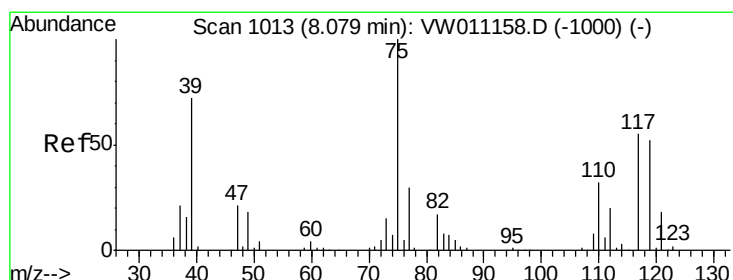
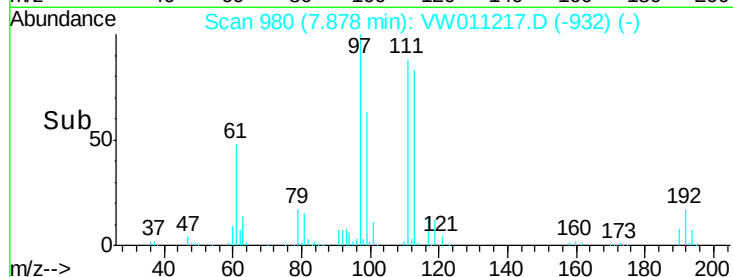
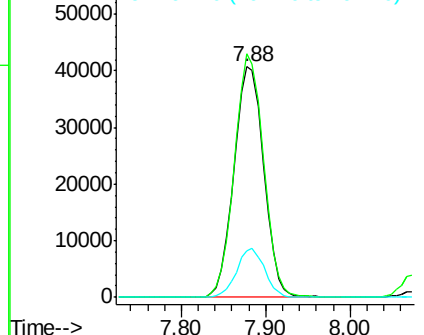
Tot Ion	Ratio	Resp	Lower	Upper
113	100	97506		
111	103.0	82.4	123.6	
192	19.9	15.8	23.8	

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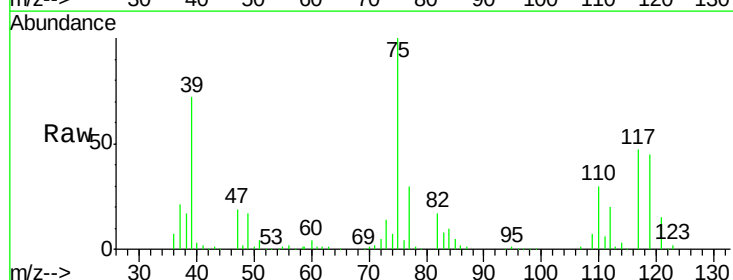


Abundance Ion 112.80 (112.50 to 113.50): V
Ion 110.80 (110.50 to 111.50): V
Ion 191.70 (191.40 to 192.40): V

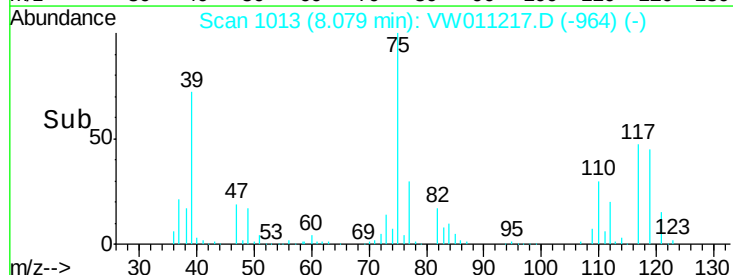
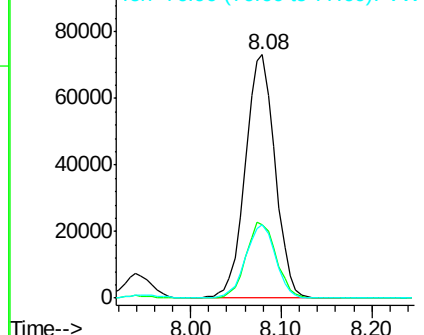


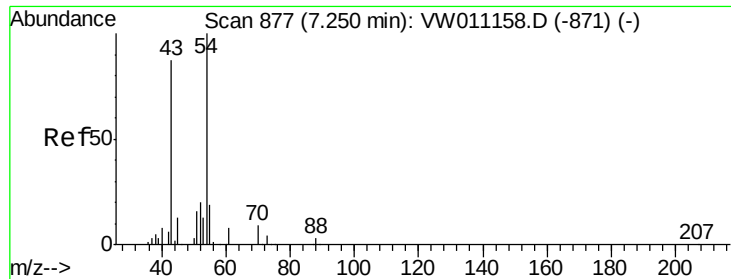
#36
1,1-Dichloropropene
Concen: 48.594 ug/l
RT: 8.08 min Scan# 1013
Delta R.T. 0.00 min
Lab File: VW011217.D
Acq: 11 Jul 2019 04:31

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	165865		
110	31.4	15.9	47.6	
77	30.5	24.6	36.8	



Abundance Ion 74.90 (74.60 to 75.60): VW
Ion 109.90 (109.60 to 110.60): V
Ion 76.90 (76.60 to 77.60): VW





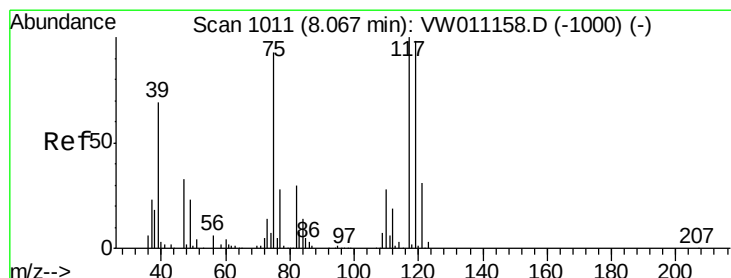
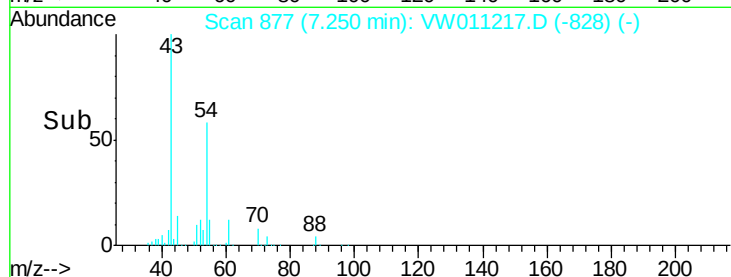
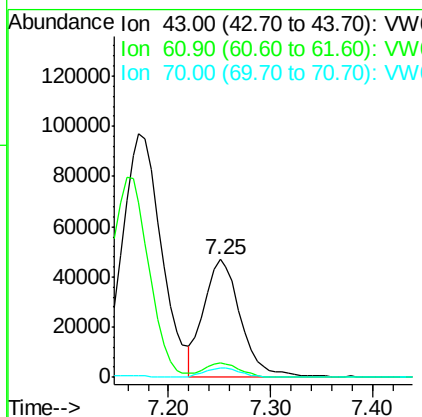
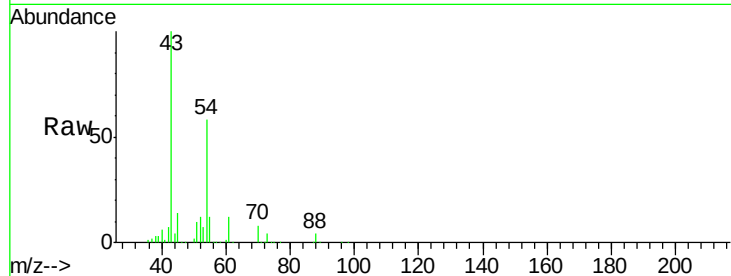
#37
Ethyl Acetate
Concen: 56.986 ug/l
RT: 7.25 min Scan# 877
Delta R.T. 0.00 min
Lab File: VW011217.D
Acq: 11 Jul 2019 04:31

Instrument :
MSVOA_W
ClientSampleID :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
43	100		
61	11.6	9.5	14.3
70	8.4	7.1	10.7

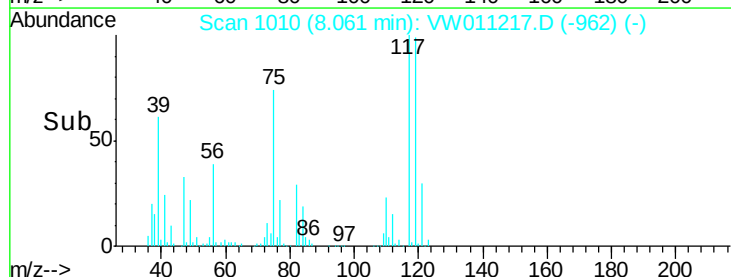
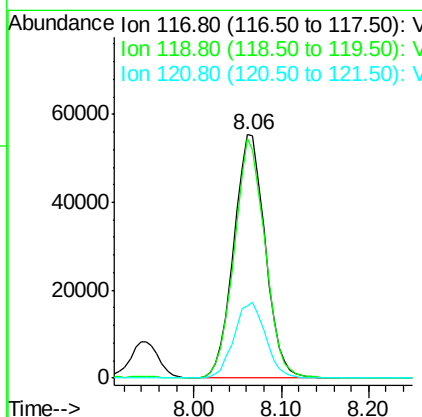
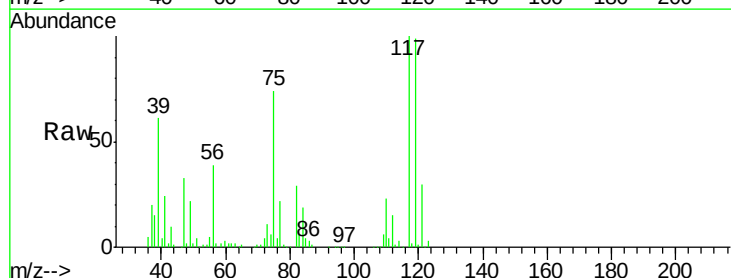
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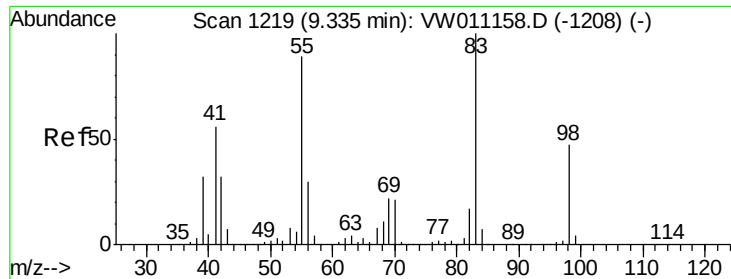
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#38
Carbon Tetrachloride
Concen: 47.951 ug/l
RT: 8.06 min Scan# 1010
Delta R.T. -0.01 min
Lab File: VW011217.D
Acq: 11 Jul 2019 04:31

Tgt Ion	Ratio	Lower	Upper
117	100		
119	98.7	78.1	117.1
121	29.6	25.1	37.7





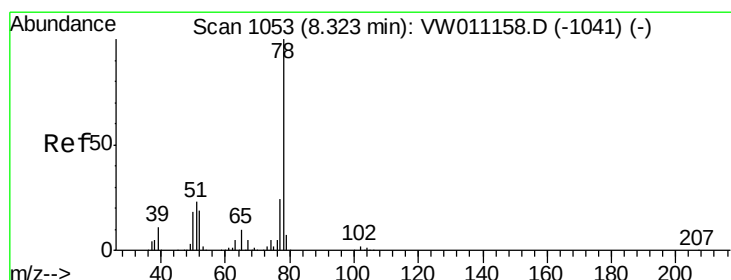
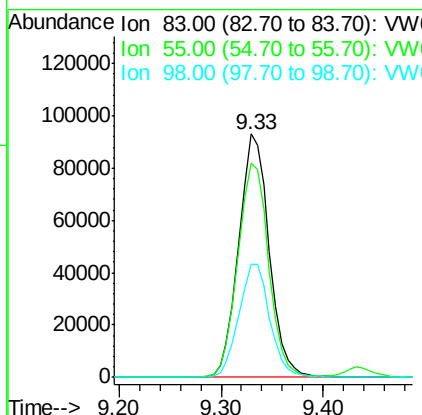
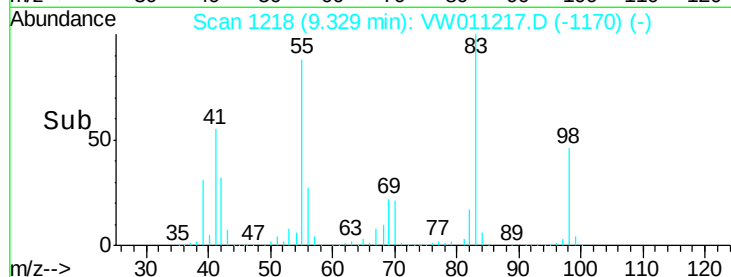
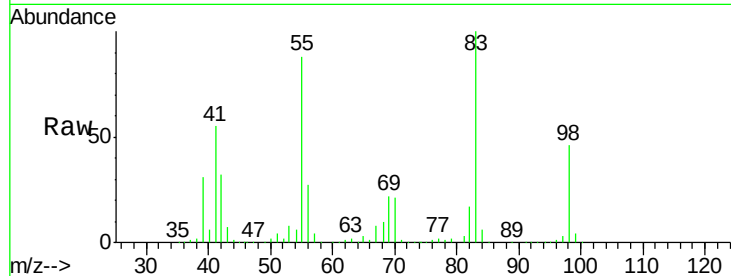
#39
Methylvlcyclohexane
Concen: 46.735 ug/l
RT: 9.33 min Scan# 1218
Delta R.T. -0.01 min
Lab File: VW011217.D
Acq: 11 Jul 2019 04:31

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tot Ion	83.00	Resp	193343
Ion Ratio	100	Lower	Upper
83	100		
55	87.8	71.2	106.8
98	46.4	37.5	56.3

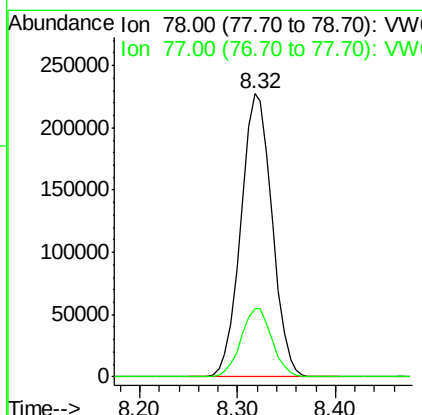
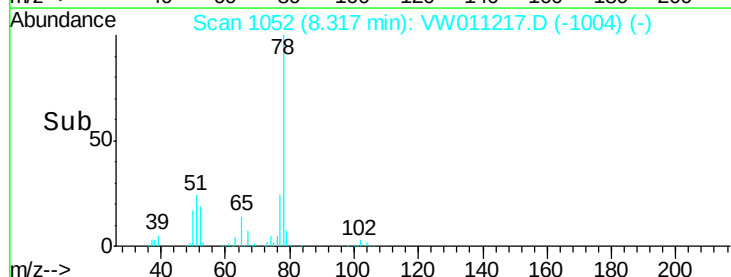
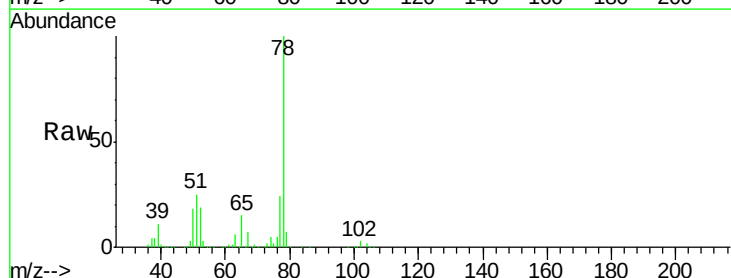
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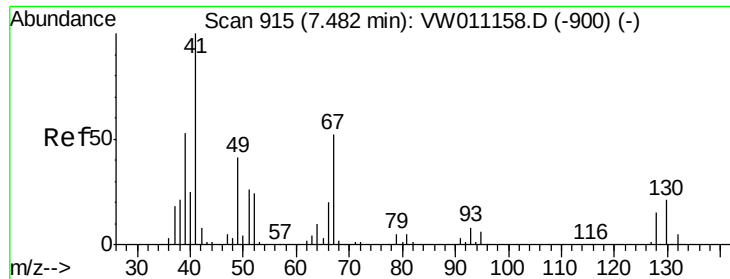
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#40
Benzene
Concen: 53.282 ug/l
RT: 8.32 min Scan# 1052
Delta R.T. -0.01 min
Lab File: VW011217.D
Acq: 11 Jul 2019 04:31

Tgt Ion	78.00	Resp	502604
Ion Ratio	100	Lower	Upper
78	100		
77	24.1	19.0	28.6





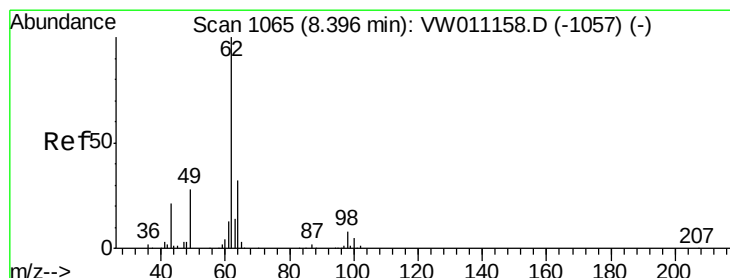
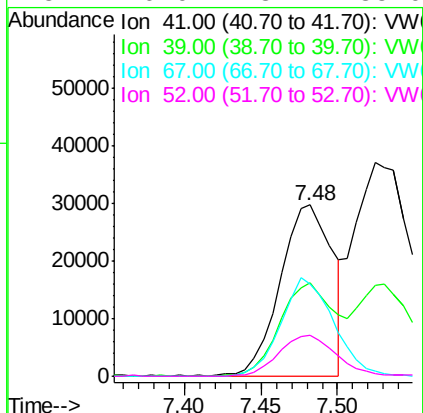
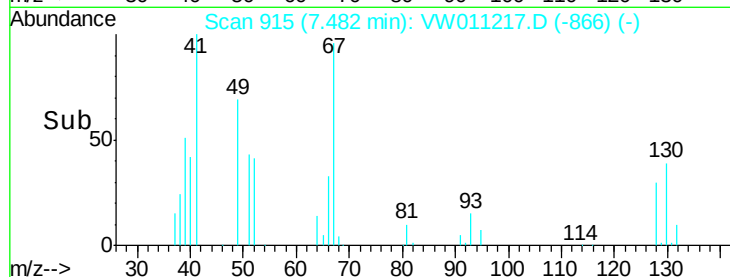
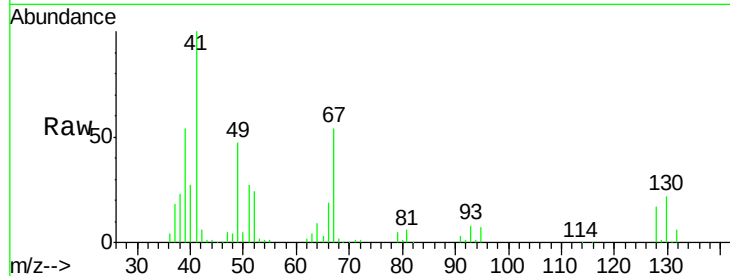
#41
Methacrylonitrile
Concen: 59.860 ug/l
RT: 7.48 min Scan# 915
Delta R.T. 0.00 min
Lab File: VW011217.D
Acq: 11 Jul 2019 04:31

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tot Ion	41	Resp	70210
Ion	Ratio	Lower	Upper
41	100		
39	59.2	48.0	72.0
67	58.7	49.7	74.5
52	26.0	23.4	35.0

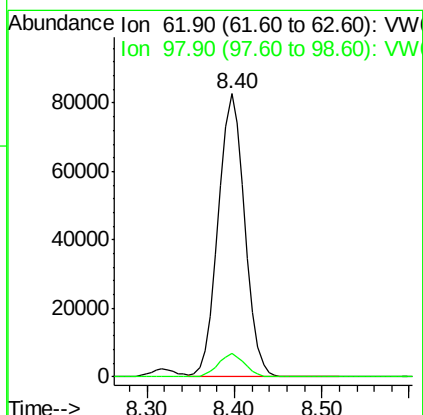
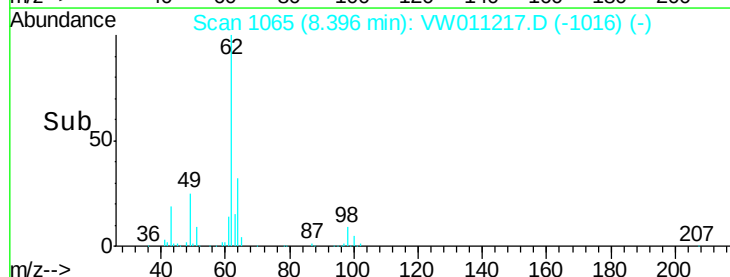
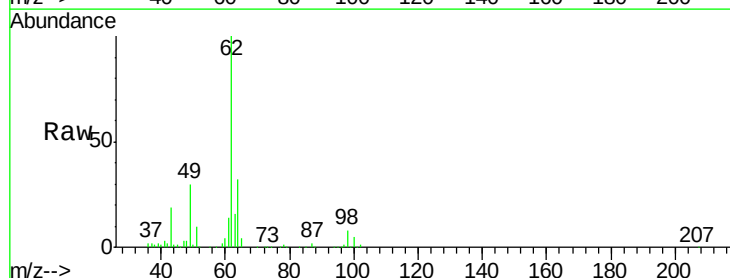
Manual Integrations
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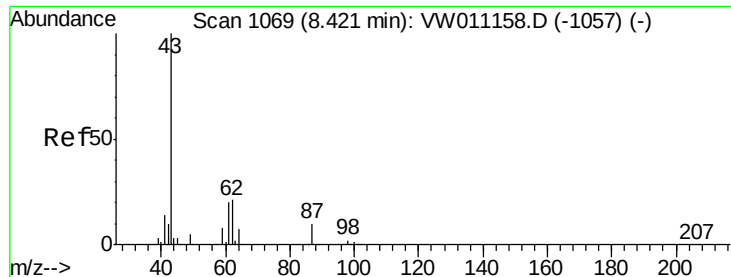
MMDadoda
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#42
1,2-Dichloroethane
Concen: 56.933 ug/l
RT: 8.40 min Scan# 1065
Delta R.T. 0.00 min
Lab File: VW011217.D
Acq: 11 Jul 2019 04:31

Tgt Ion	62	Resp	174216
Ion	Ratio	Lower	Upper
62	100		
98	8.2	0.0	16.8





#43

Isopropyl Acetate

Concen: 58.509 ug/l

RT: 8.42 min Scan# 1069

Delta R.T. 0.00 min

Lab File: VW011217.D

Acq: 11 Jul 2019 04:31

Instrument :

MSVOA_W

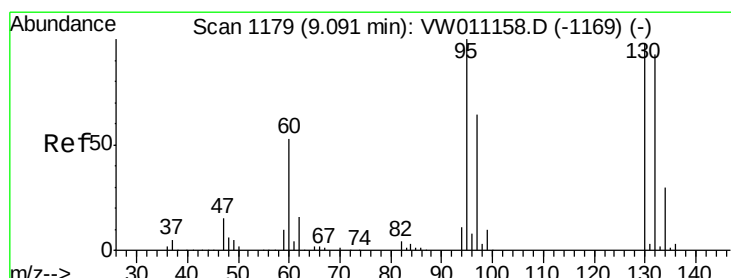
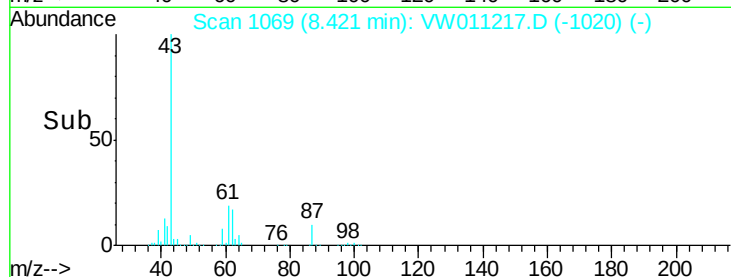
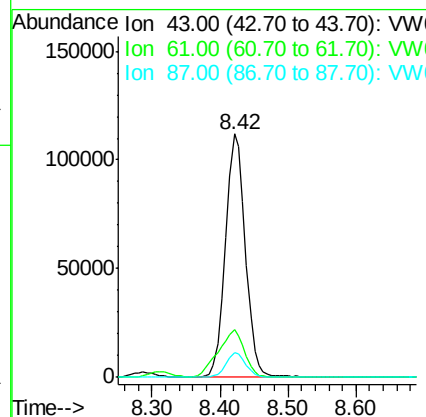
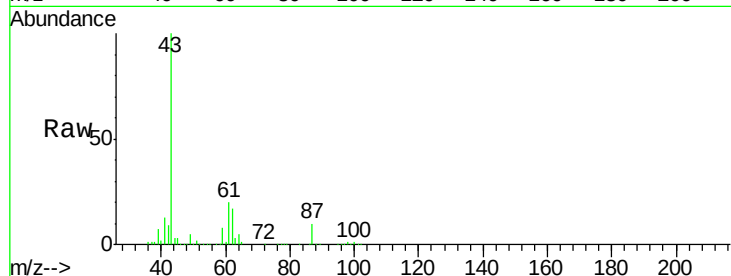
ClientSampleId :

VSTDCCC050EC

Tot Ion:	43	Resp:	226537
Ion	Ratio	Lower	Upper
43	100		
61	25.7	20.7	31.1
87	10.2	8.1	12.1

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#44

Trichloroethene

Concen: 51.887 ug/l

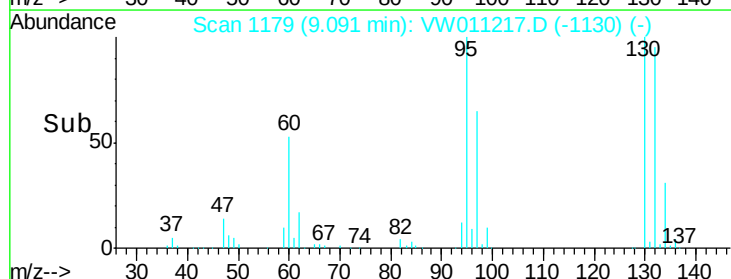
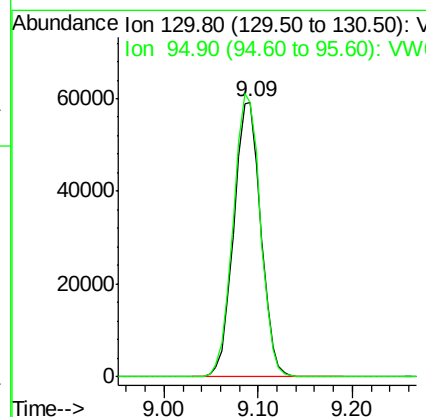
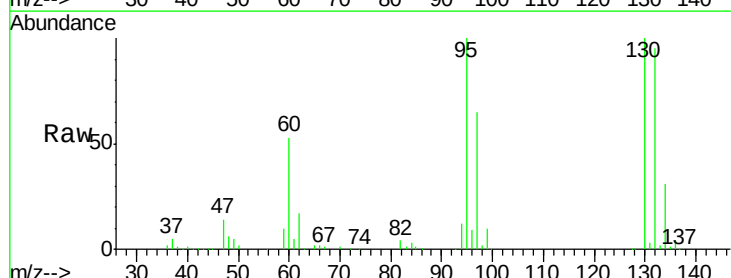
RT: 9.09 min Scan# 1179

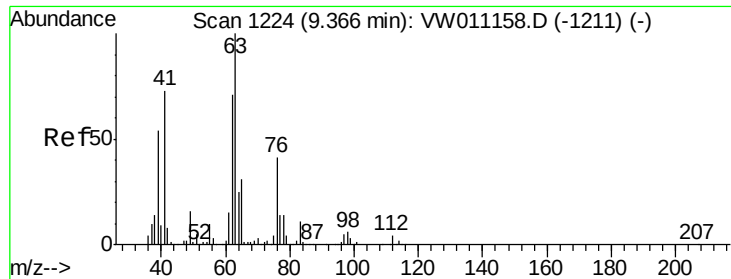
Delta R.T. 0.00 min

Lab File: VW011217.D

Acq: 11 Jul 2019 04:31

Tgt Ion:	130	Resp:	117781
Ion	Ratio	Lower	Upper
130	100		
95	99.7	0.0	203.6





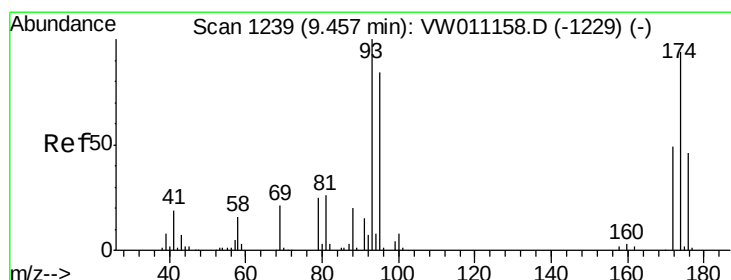
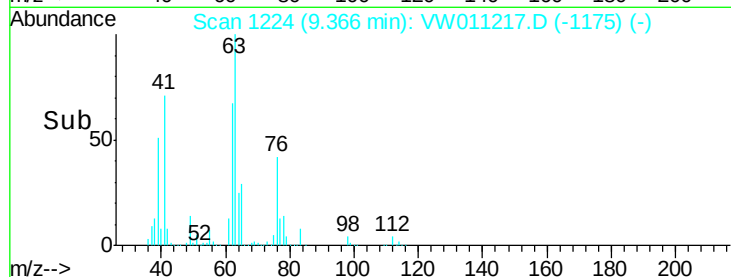
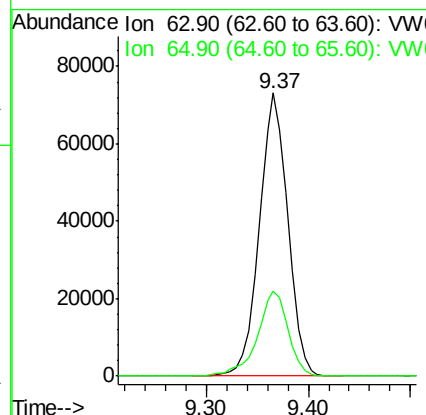
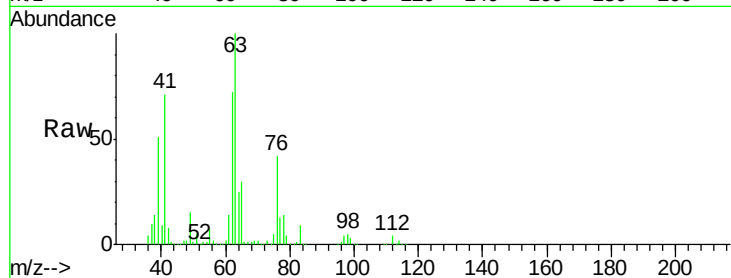
#45
 1,2-Dichloropropane
 Concen: 55.595 ug/l
 RT: 9.37 min Scan# 1224
 Delta R.T. 0.00 min
 Lab File: VW011217.D
 Acq: 11 Jul 2019 04:31

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050EC

Tot Ion: 63 Resp: 142013
 Ion Ratio Lower Upper
 63 100
 65 29.9 24.4 36.6

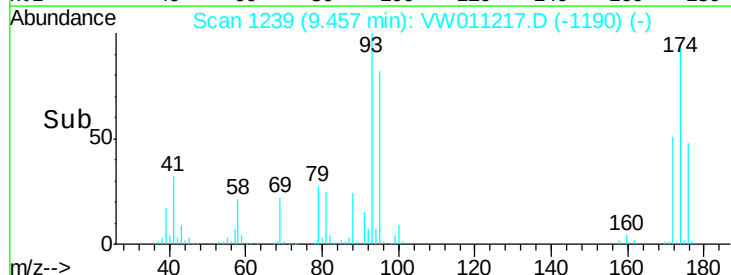
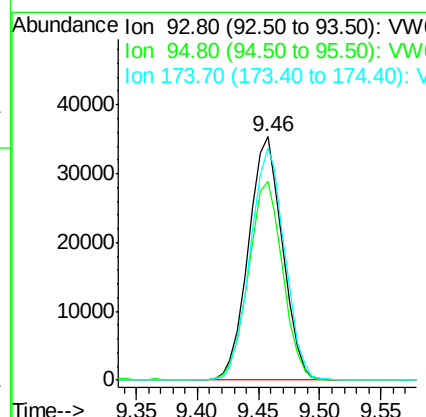
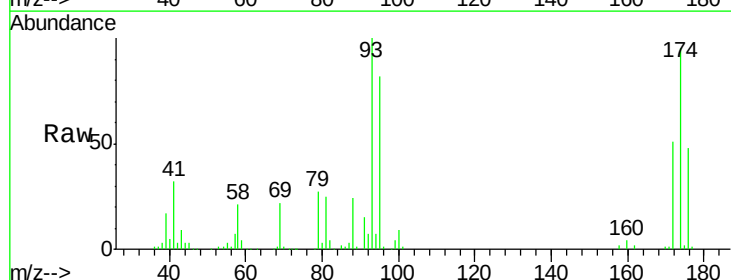
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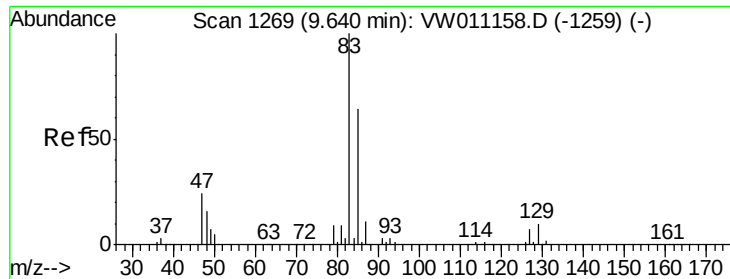
MMDadoda
 7/11/2019 2:50:31 PM



#46
 Dibromomethane
 Concen: 57.117 ug/l
 RT: 9.46 min Scan# 1239
 Delta R.T. 0.00 min
 Lab File: VW011217.D
 Acq: 11 Jul 2019 04:31

Tgt Ion: 93 Resp: 68536
 Ion Ratio Lower Upper
 93 100
 95 82.1 67.2 100.8
 174 96.6 76.3 114.5





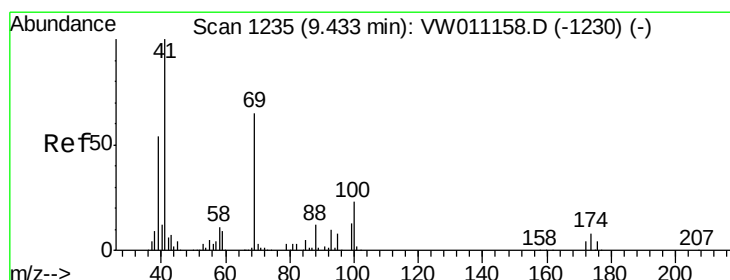
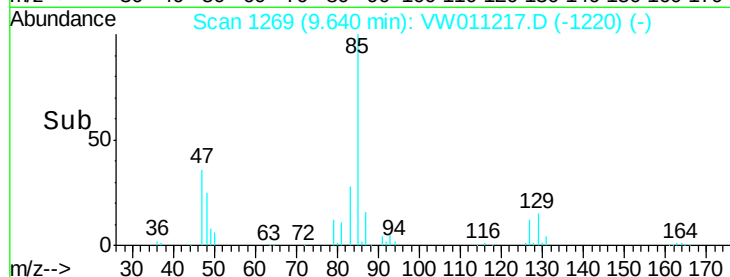
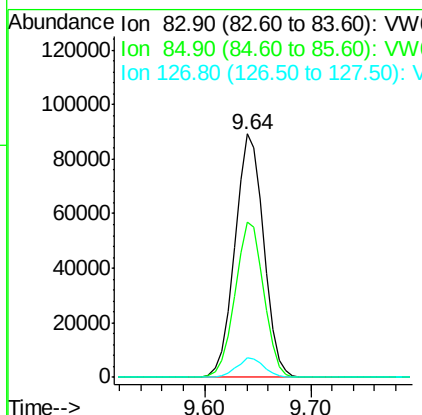
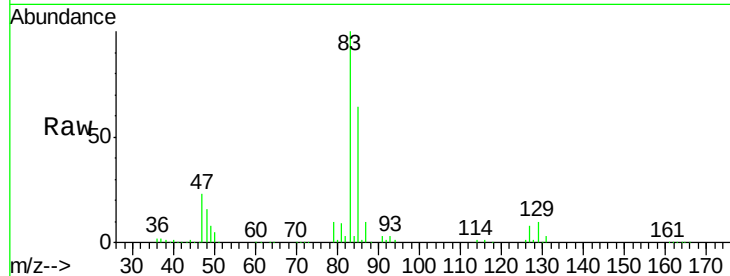
#47
Bromodichloromethane
Concen: 55.115 ug/l
RT: 9.64 min Scan# 1269
Delta R.T. 0.00 min
Lab File: VW011217.D
Acq: 11 Jul 2019 04:31

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
83	100	169215		
85	63.9	51.0	76.4	
127	7.9	6.0	9.0	

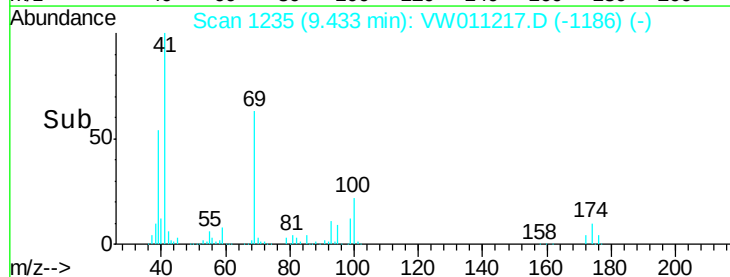
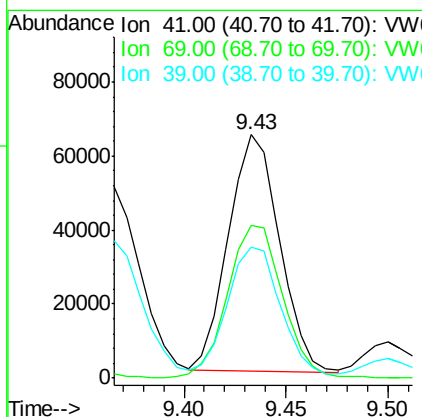
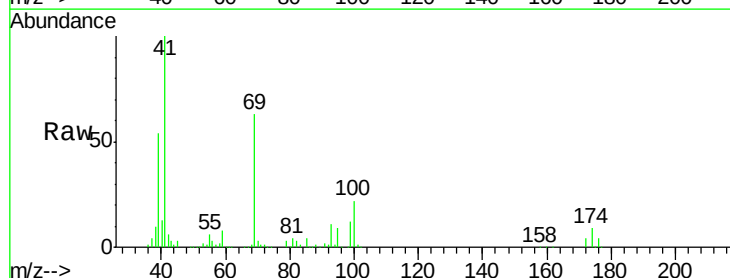
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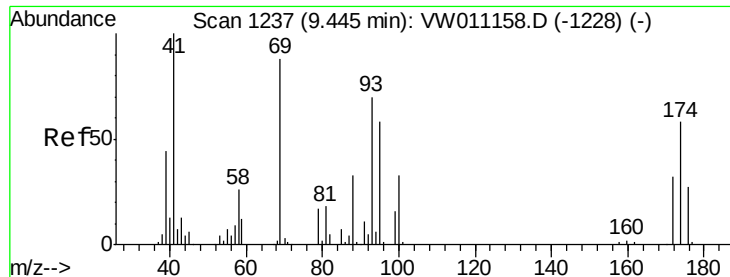
MMDadoda
7/11/2019 2:50:31 PM



#48
Methyl methacrylate
Concen: 59.753 ug/l
RT: 9.43 min Scan# 1235
Delta R.T. 0.00 min
Lab File: VW011217.D
Acq: 11 Jul 2019 04:31

Tgt Ion	Ratio	Resp	Lower	Upper
41	100	111304		
69	70.3	56.0	84.0	
39	58.3	43.5	65.3	





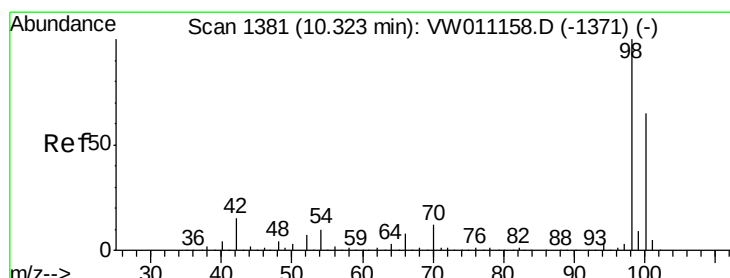
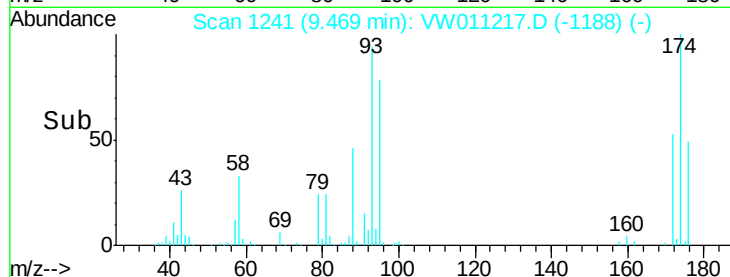
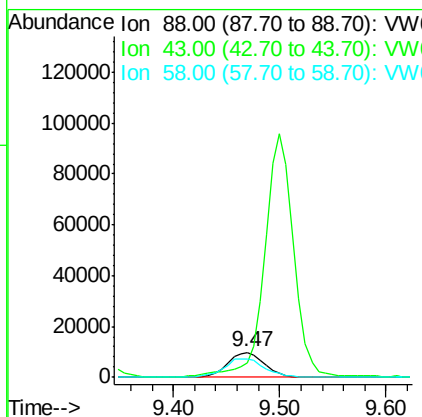
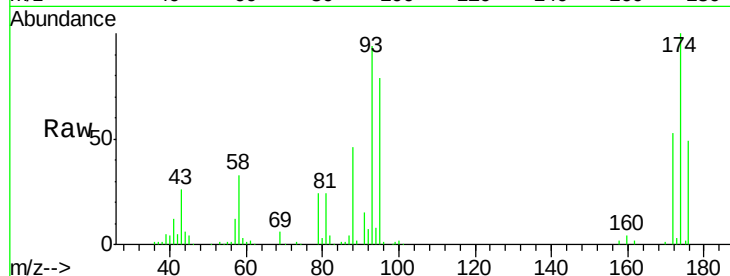
#49
1,4-Dioxane
Concen: 1190.722 ug/l
RT: 9.47 min Scan# 1241
Delta R.T. 0.02 min
Lab File: VW011217.D
Acq: 11 Jul 2019 04:31

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
88	100		
43	0.0	33.4	50.0#
58	84.1	64.5	96.7

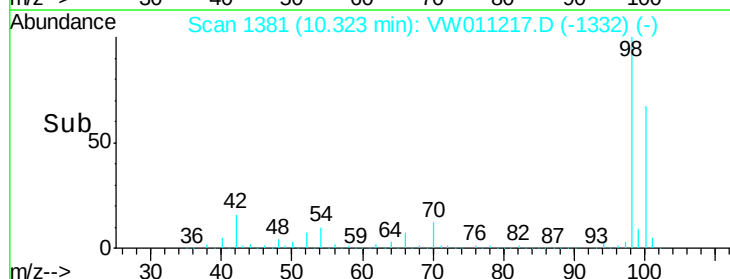
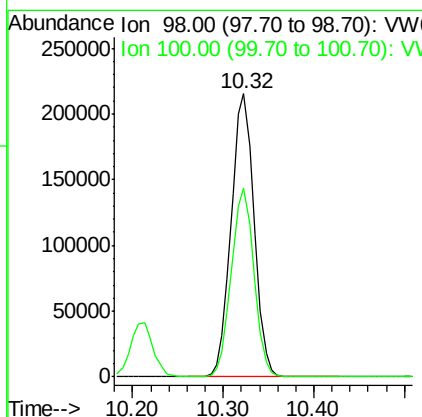
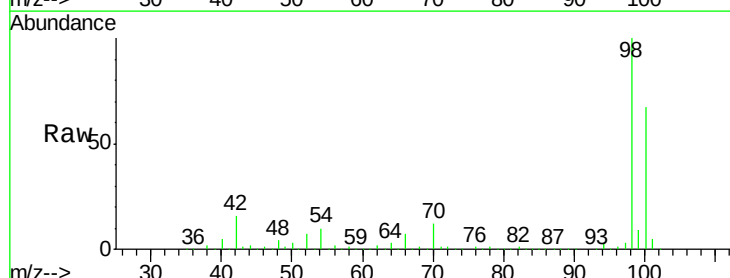
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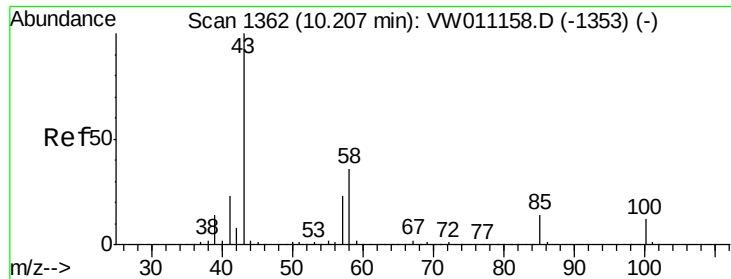
MMDadoda
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#50
Toluene-d8
Concen: 48.909 ug/l
RT: 10.32 min Scan# 1381
Delta R.T. 0.00 min
Lab File: VW011217.D
Acq: 11 Jul 2019 04:31

Tgt Ion	Ratio	Lower	Upper
98	100		
100	66.0	52.4	78.6





#51

4-Methyl-2-Pentanone

Concen: 299.692 ug/l

RT: 10.21 min Scan# 1362

Delta R.T. 0.00 min

Lab File: VW011217.D

Acq: 11 Jul 2019 04:31

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

Tot Ion: 43 Resp: 606143

Ion Ratio Lower Upper

43 100

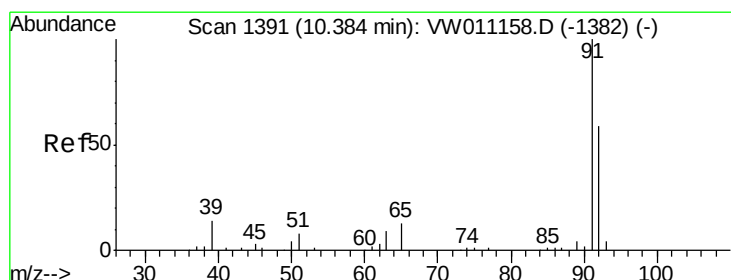
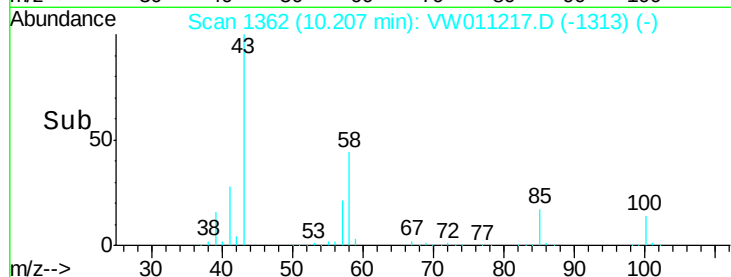
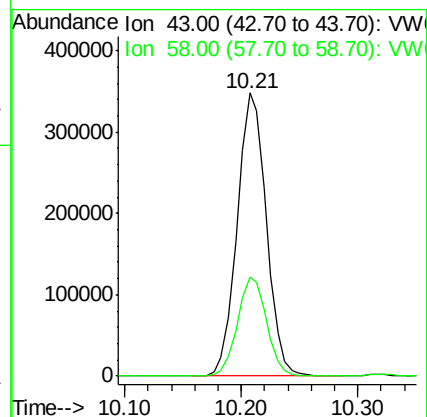
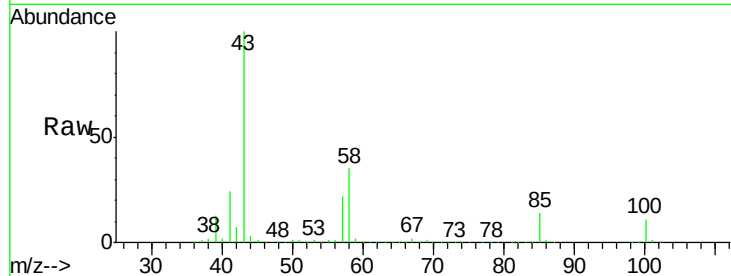
58 35.1 28.2 42.2

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#52

Toluene

Concen: 53.679 ug/l

RT: 10.38 min Scan# 1391

Delta R.T. 0.00 min

Lab File: VW011217.D

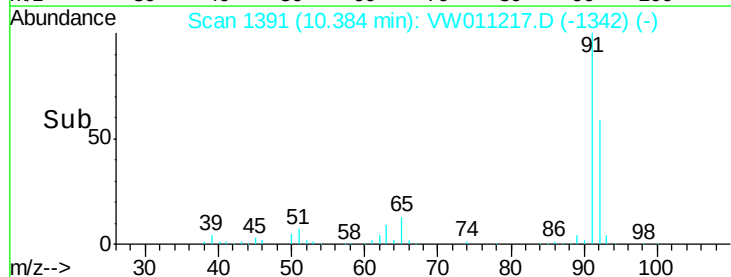
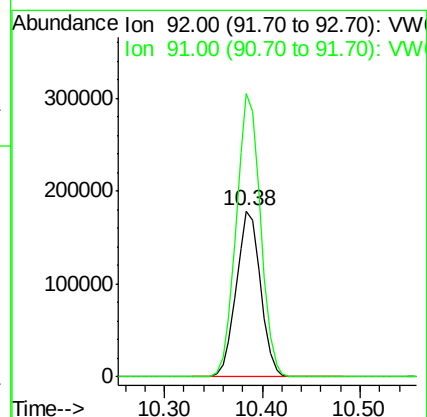
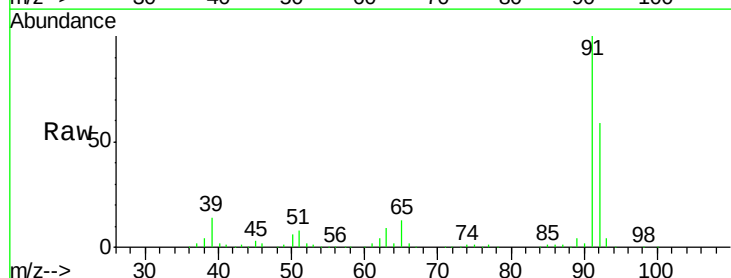
Acq: 11 Jul 2019 04:31

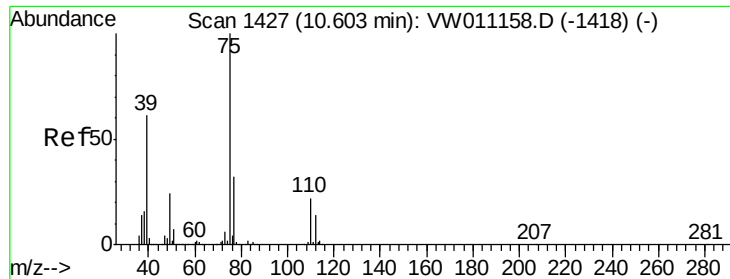
Tgt Ion: 92 Resp: 307161

Ion Ratio Lower Upper

92 100

91 170.7 136.6 205.0





#53

t-1,3-Dichloropropene

Concen: 53.255 ug/l

RT: 10.60 min Scan# 1427

Delta R.T. 0.00 min

Lab File: VW011217.D

Acq: 11 Jul 2019 04:31

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

Tot Ion: 75 Resp: 174040

Ion Ratio Lower Upper

75 100

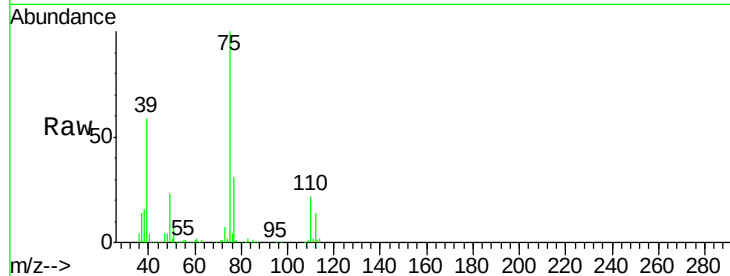
77 31.2 25.4 38.0

Manual Integrations

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Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 76.90 (76.60 to 77.60): VW

10.60

120000

100000

80000

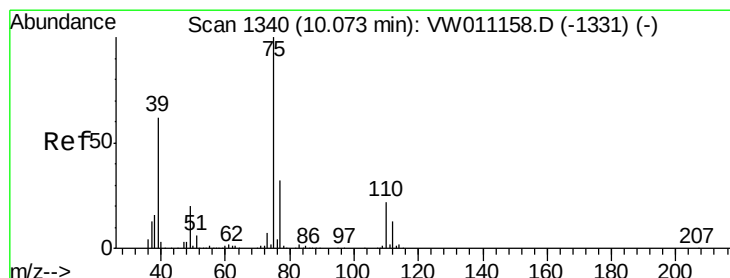
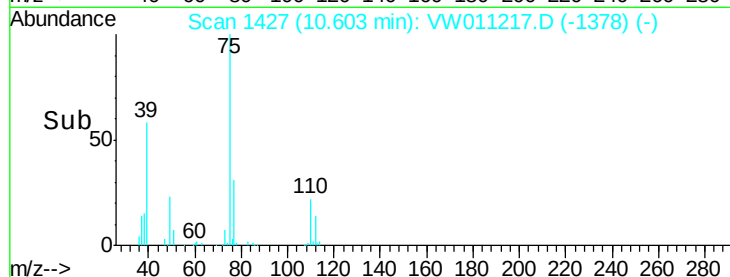
60000

40000

20000

0

Time-->



#54

cis-1,3-Dichloropropene

Concen: 53.102 ug/l

RT: 10.07 min Scan# 1340

Delta R.T. 0.00 min

Lab File: VW011217.D

Acq: 11 Jul 2019 04:31

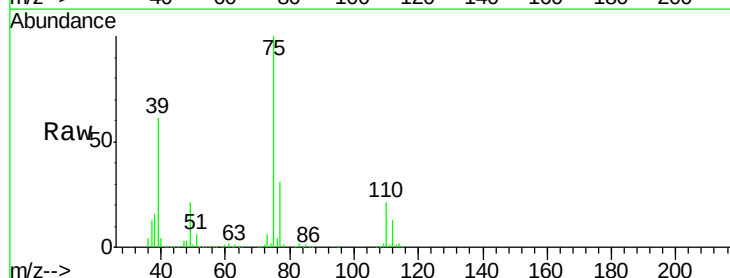
Tgt Ion: 75 Resp: 204267

Ion Ratio Lower Upper

75 100

77 31.1 25.7 38.5

39 61.4 49.8 74.8



Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 76.90 (76.60 to 77.60): VW

Ion 39.00 (38.70 to 39.70): VW

10.07

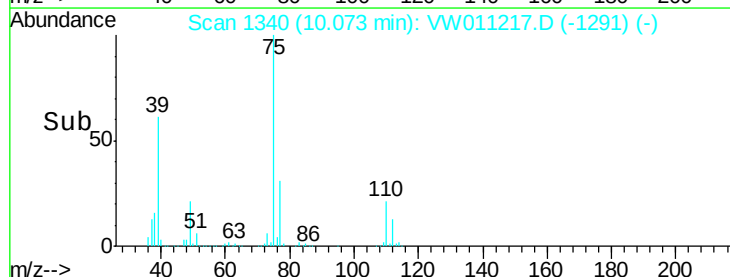
150000

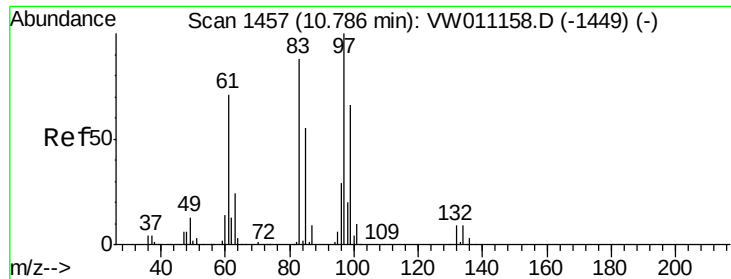
100000

50000

0

Time-->





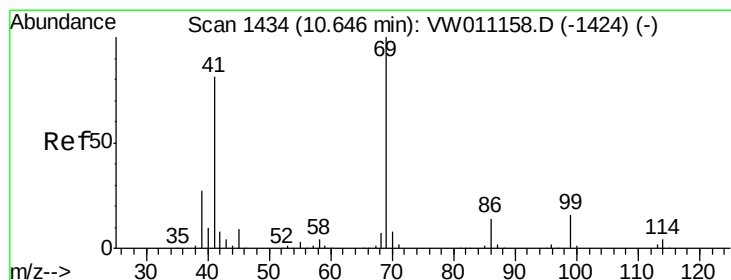
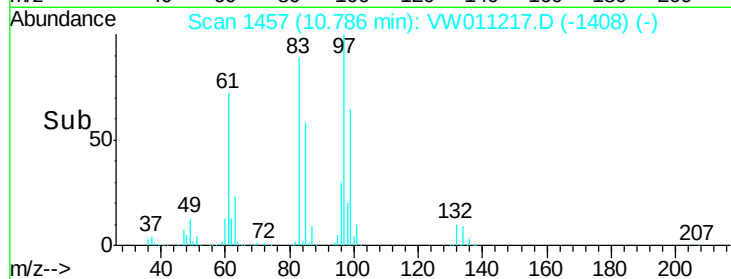
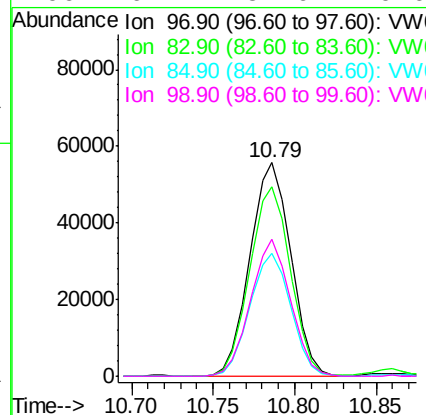
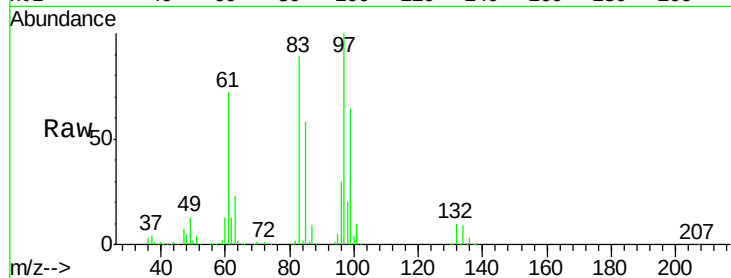
#55
 1,1,2-Trichloroethane
 Concen: 57.234 ug/l
 RT: 10.79 min Scan# 1457
 Delta R.T. 0.00 min
 Lab File: VW011217.D
 Acq: 11 Jul 2019 04:31

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ion	Ratio	Resp	Lower	Upper
97	100		97430		
83	88.7	70.2	105.4		
85	57.7	44.2	66.2		
99	64.2	52.6	79.0		

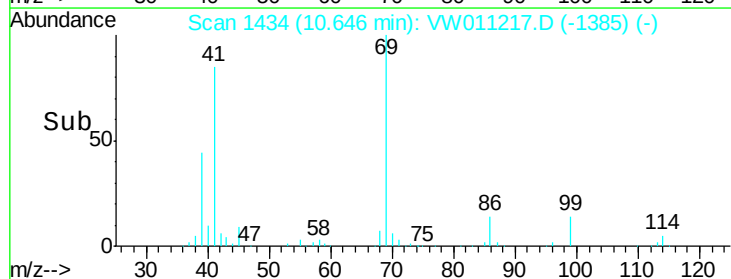
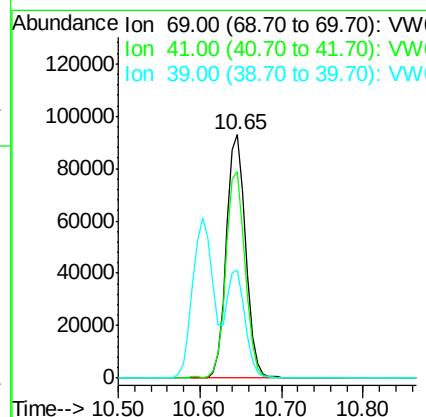
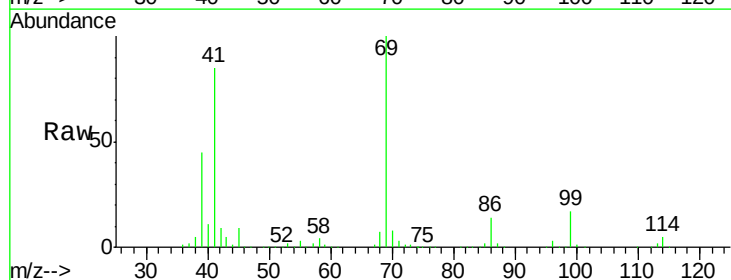
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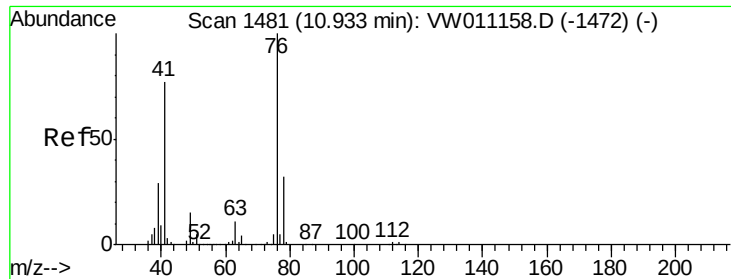
MMDadoda
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#56
 Ethyl methacrylate
 Concen: 58.957 ug/l
 RT: 10.65 min Scan# 1434
 Delta R.T. 0.00 min
 Lab File: VW011217.D
 Acq: 11 Jul 2019 04:31

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
69	100		152800		
41	84.7	66.5	99.7		
39	39.9	32.5	48.7		





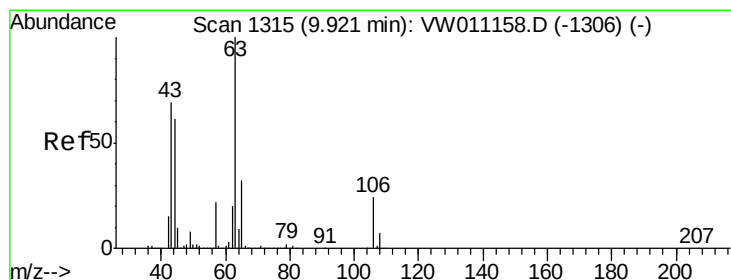
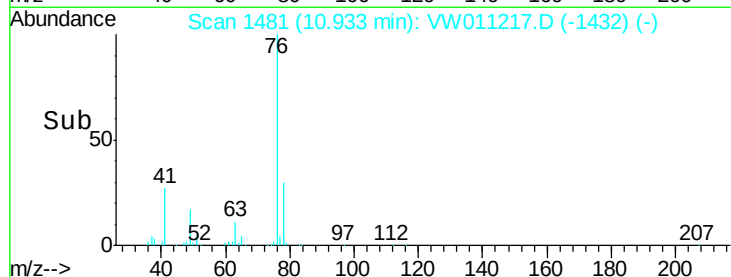
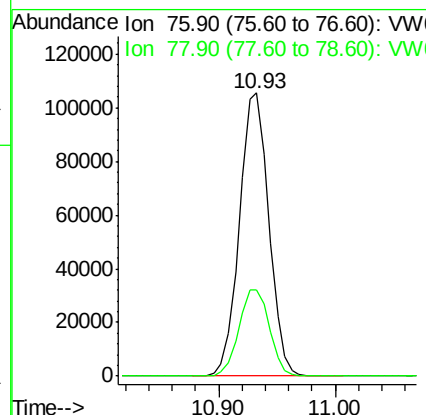
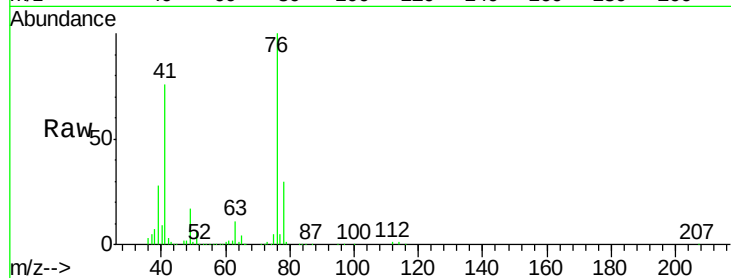
#57
 1,3-Dichloropropane
 Concen: 57.752 ug/l
 RT: 10.93 min Scan# 1481
 Delta R.T. 0.00 min
 Lab File: VW011217.D
 Acq: 11 Jul 2019 04:31

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050EC

Tot Ion: 76 Resp: 185906
 Ion Ratio Lower Upper
 76 100
 78 31.7 26.2 39.2

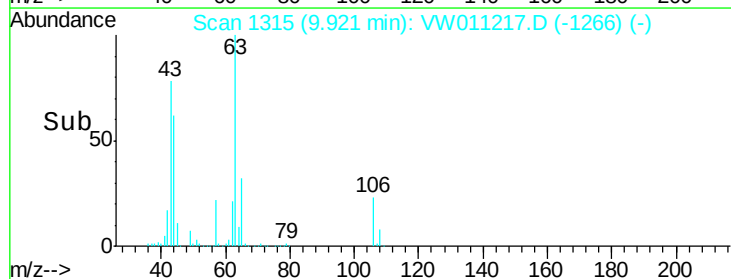
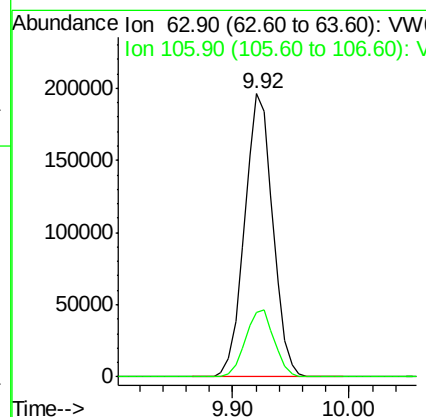
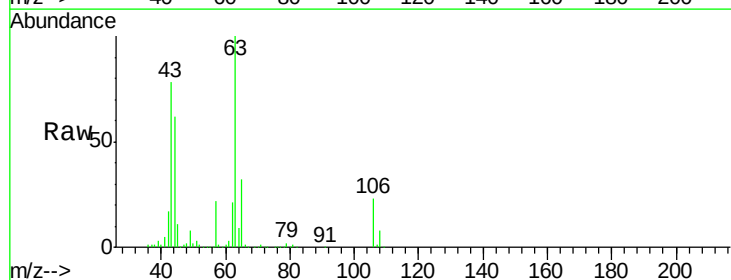
Manual Integrations
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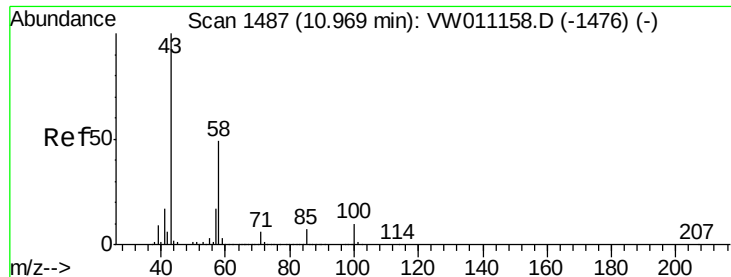
MMDadoda
 7/11/2019 2:50:31 PM



#58
 2-Chloroethyl Vinyl ether
 Concen: 276.189 ug/l
 RT: 9.92 min Scan# 1315
 Delta R.T. 0.00 min
 Lab File: VW011217.D
 Acq: 11 Jul 2019 04:31

Tgt Ion: 63 Resp: 331845
 Ion Ratio Lower Upper
 63 100
 106 24.2 19.4 29.0





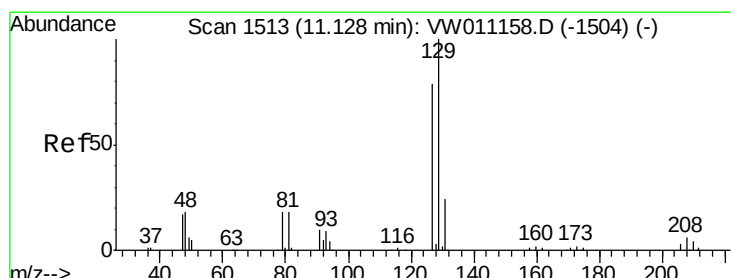
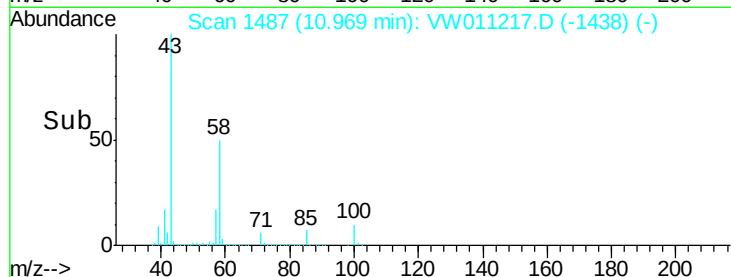
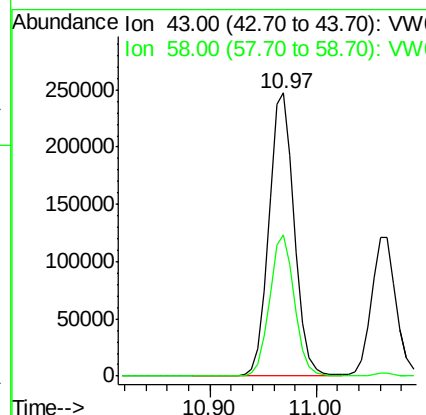
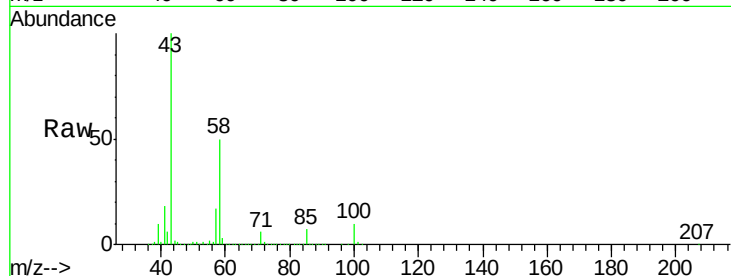
#59
2-Hexanone
Concen: 292.222 ug/l
RT: 10.97 min Scan# 1487
Delta R.T. 0.00 min
Lab File: VW011217.D
Acq: 11 Jul 2019 04:31

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tot Ion	43	Resp	409882
Ion Ratio	100	Lower	Upper
43	100		
58	49.0	24.4	73.4

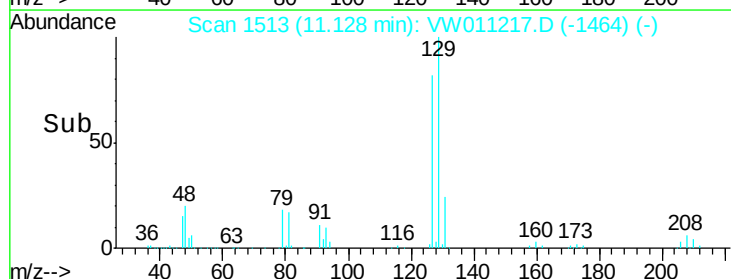
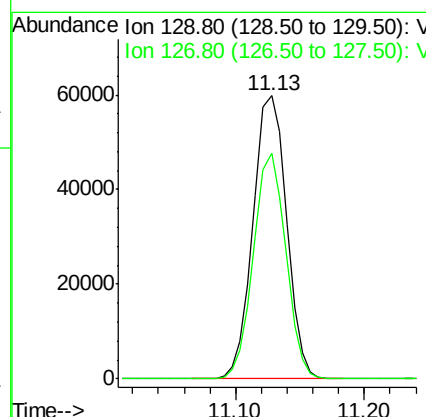
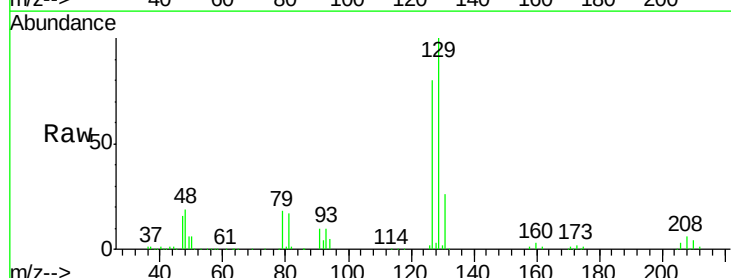
Manual Integrations
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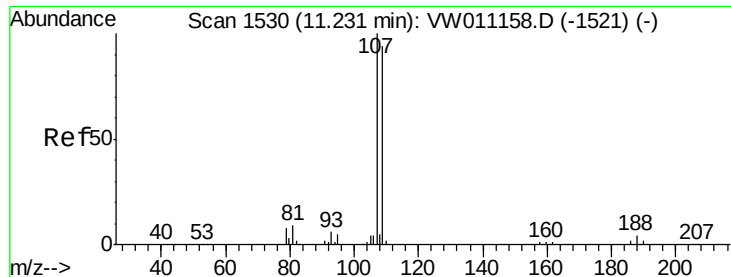
MMDadoda
7/11/2019 2:50:31 PM



#60
Dibromochloromethane
Concen: 57.701 ug/l
RT: 11.13 min Scan# 1513
Delta R.T. 0.00 min
Lab File: VW011217.D
Acq: 11 Jul 2019 04:31

Tgt Ion	129	Resp	107709
Ion Ratio	100	Lower	Upper
129	100		
127	76.8	39.1	117.3





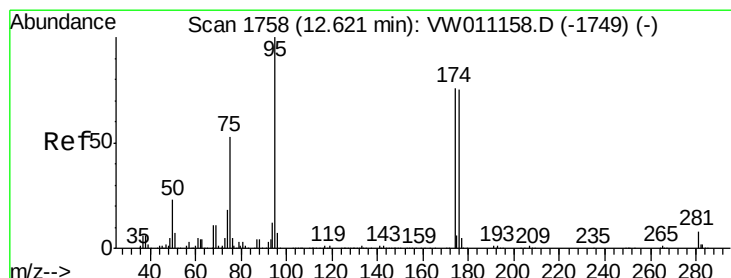
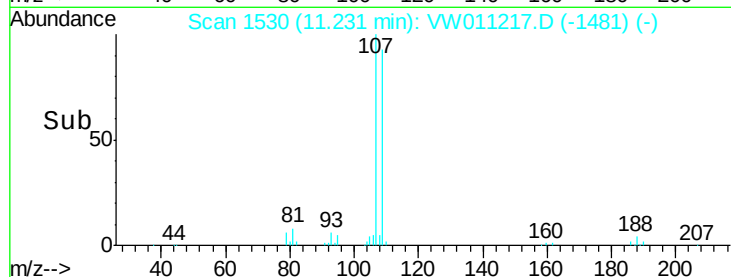
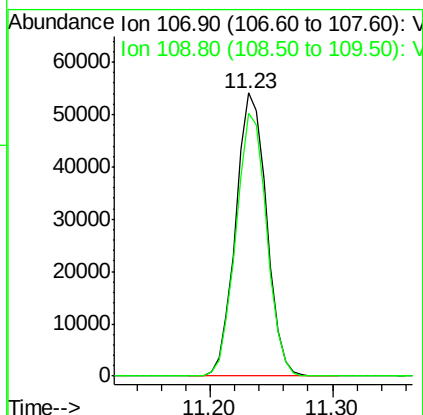
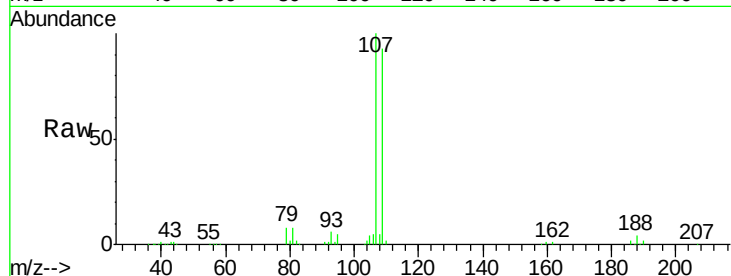
#61
 1,2-Dibromoethane
 Concen: 58.469 ug/l
 RT: 11.23 min Scan# 1530
 Delta R.T. 0.00 min
 Lab File: VW011217.D
 Acq: 11 Jul 2019 04:31

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050EC

Tot Ion: 107 Resp: 94279
 Ion Ratio Lower Upper
 107 100
 109 92.7 75.2 112.8

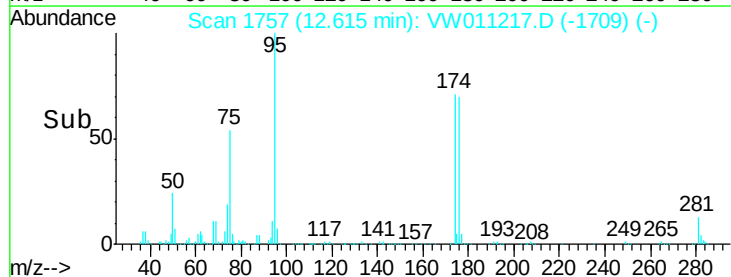
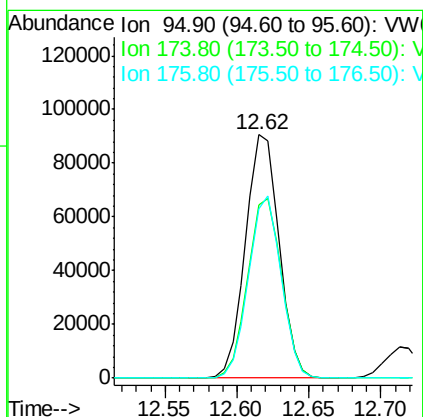
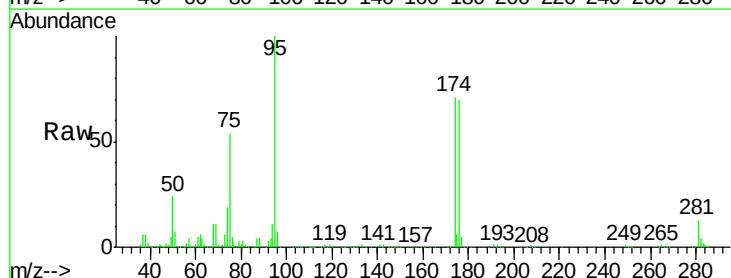
Manual Integrations
 APPROVED

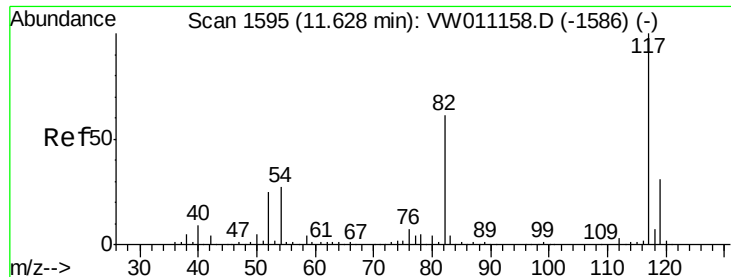
MMDadoda
 7/11/2019 2:50:31 PM



#62
 4-Bromofluorobenzene
 Concen: 51.755 ug/l
 RT: 12.62 min Scan# 1757
 Delta R.T. -0.01 min
 Lab File: VW011217.D
 Acq: 11 Jul 2019 04:31

Tgt Ion: 95 Resp: 146493
 Ion Ratio Lower Upper
 95 100
 174 74.3 0.0 147.6
 176 72.3 0.0 144.6





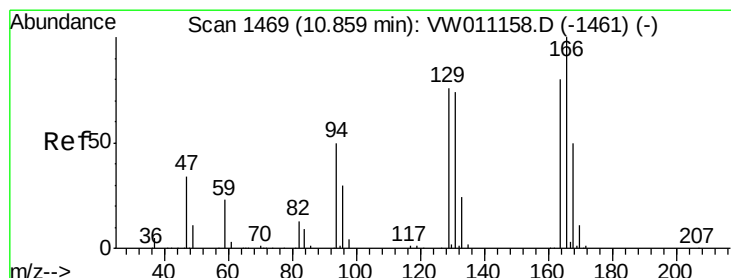
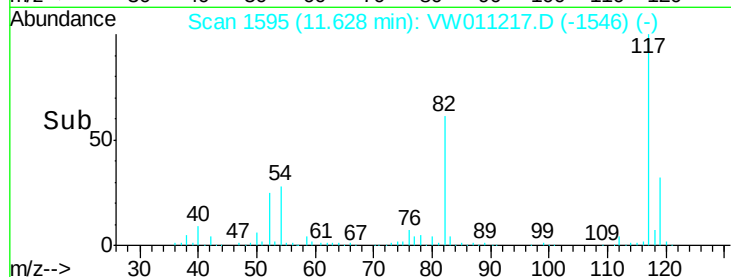
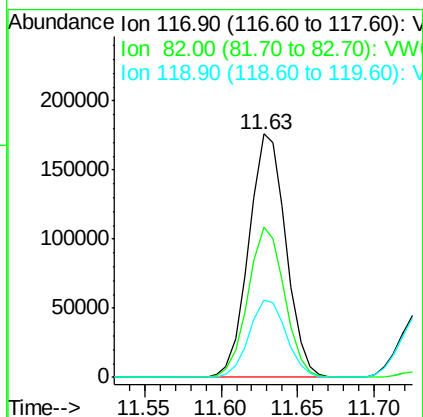
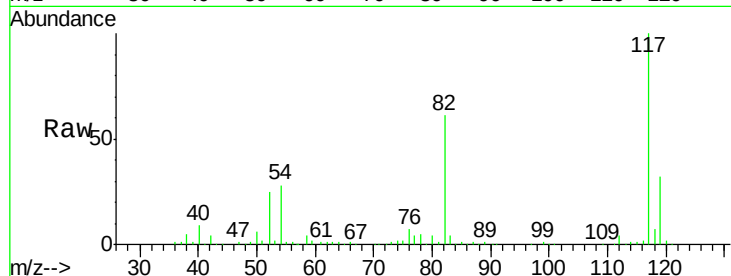
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1595
Delta R.T. 0.00 min
Lab File: VW011217.D
Acq: 11 Jul 2019 04:31

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
117	100		
82	61.4	48.9	73.3
119	31.9	25.0	37.6

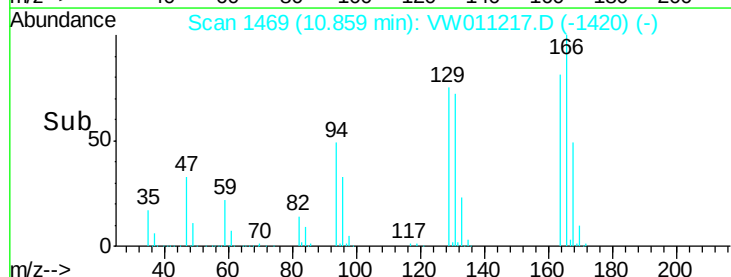
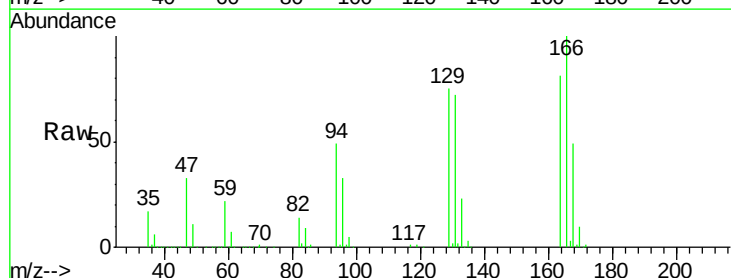
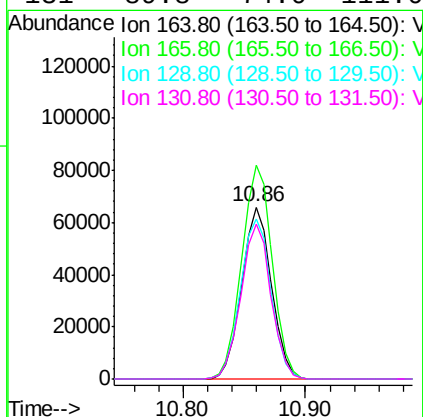
Manual Integrations
APPROVED

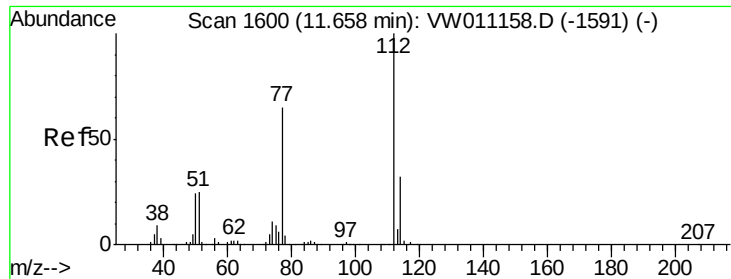
MMDadoda
7/11/2019 2:50:31 PM



#64
Tetrachloroethene
Concen: 55.632 ug/l
RT: 10.86 min Scan# 1469
Delta R.T. 0.00 min
Lab File: VW011217.D
Acq: 11 Jul 2019 04:31

Tgt Ion	Ratio	Lower	Upper
164	100		
166	124.2	99.7	149.5
129	93.3	76.2	114.2
131	89.8	74.0	111.0





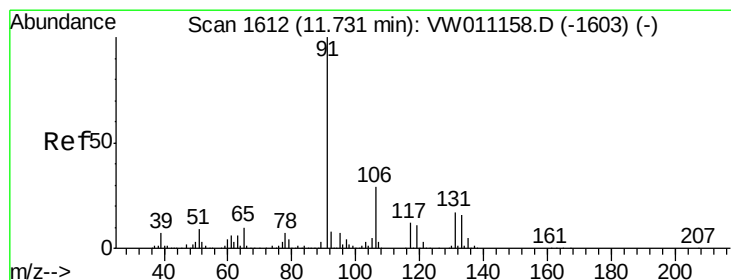
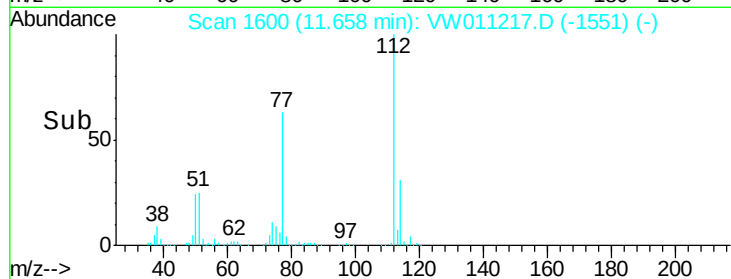
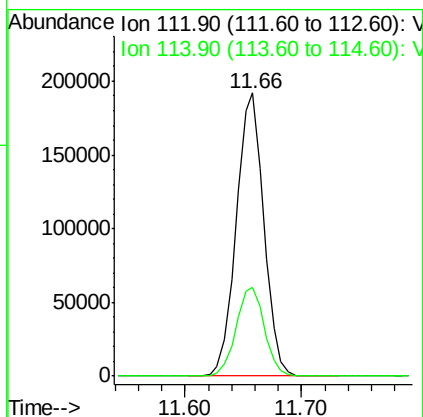
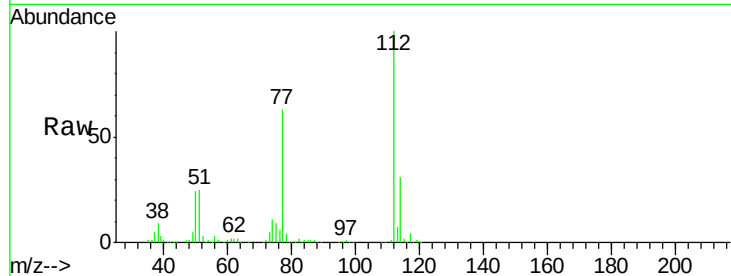
#65
Chlorobenzene
Concen: 52.352 ug/l
RT: 11.66 min Scan# 1600
Delta R.T. 0.00 min
Lab File: VW011217.D
Acq: 11 Jul 2019 04:31

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
112	100		
114	31.4	25.5	38.3

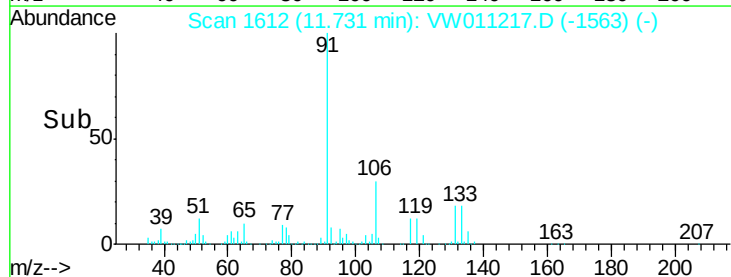
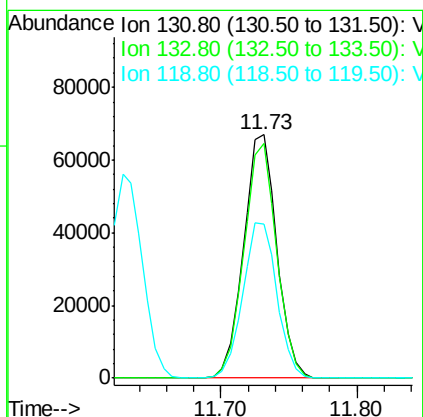
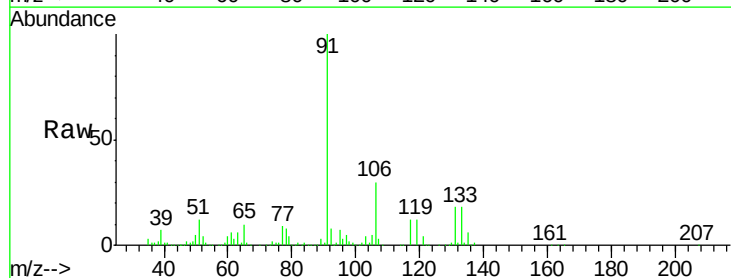
Manual Integrations
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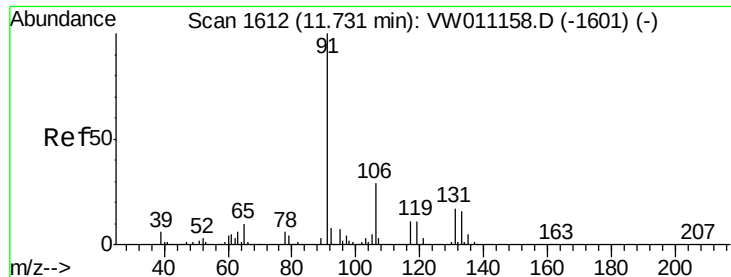
MMDadoda
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#66
1,1,1,2-Tetrachloroethane
Concen: 53.770 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. 0.00 min
Lab File: VW011217.D
Acq: 11 Jul 2019 04:31

Tgt Ion	Ratio	Lower	Upper
131	100		
133	95.1	47.9	143.8
119	65.4	33.1	99.2





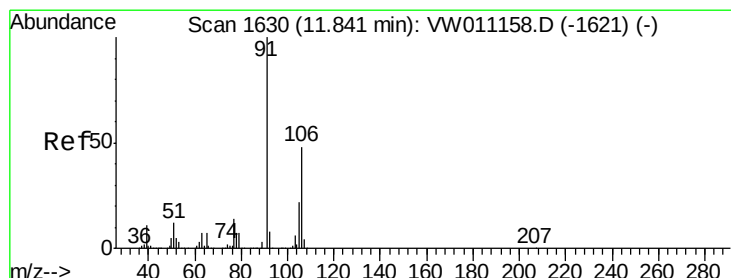
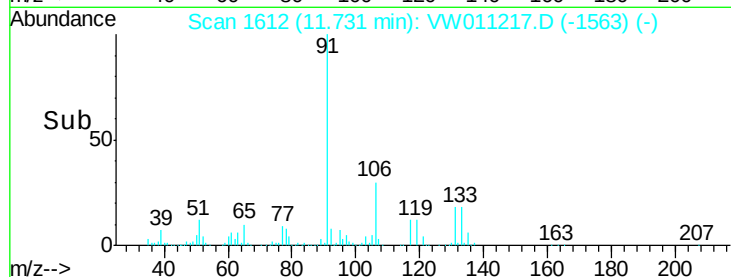
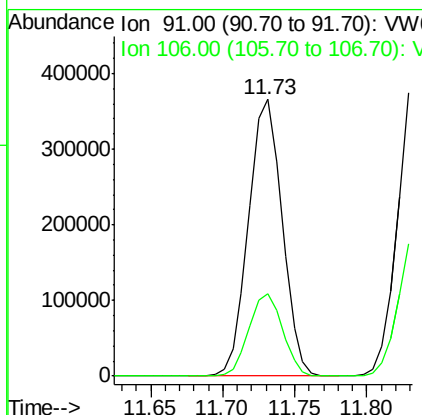
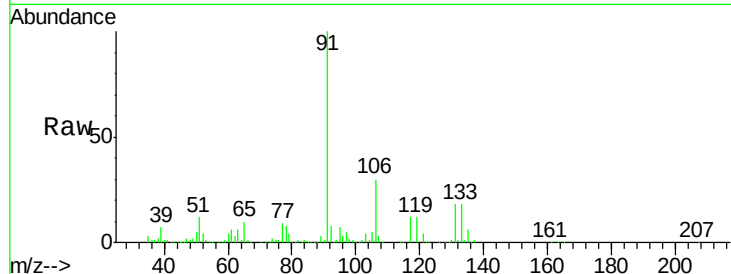
#67
Ethyl Benzene
Concen: 51.266 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. 0.00 min
Lab File: VW011217.D
Acq: 11 Jul 2019 04:31

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
91	100		
106	29.8	23.5	35.3

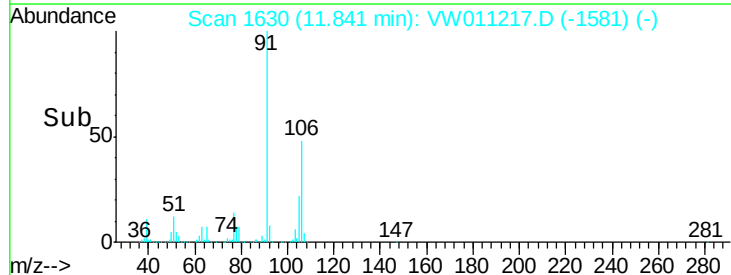
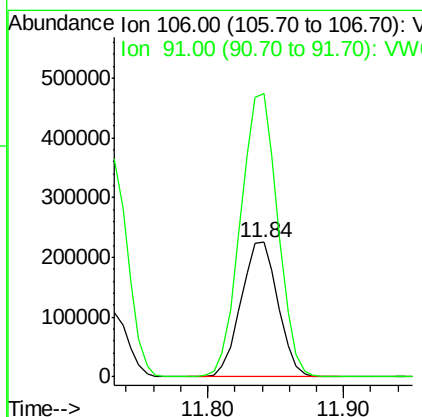
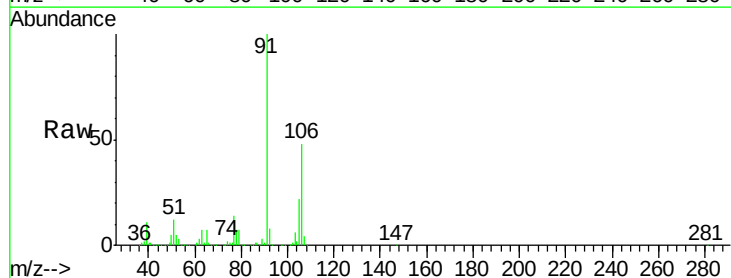
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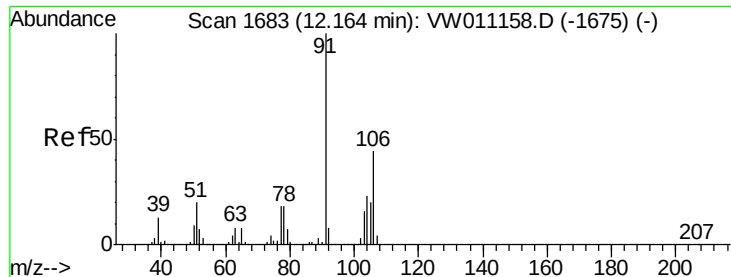
MMDadoda
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#68
m/p-Xylenes
Concen: 102.674 ug/l
RT: 11.84 min Scan# 1630
Delta R.T. 0.00 min
Lab File: VW011217.D
Acq: 11 Jul 2019 04:31

Tgt Ion	Ratio	Lower	Upper
106	100		
91	211.5	167.7	251.5





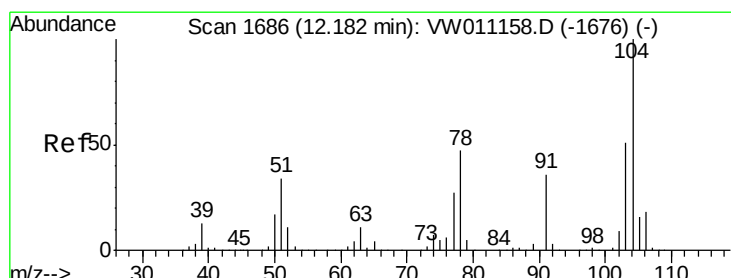
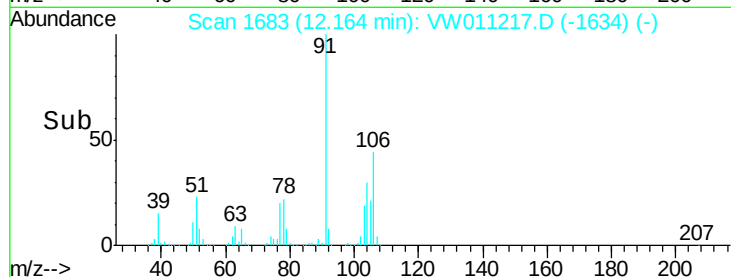
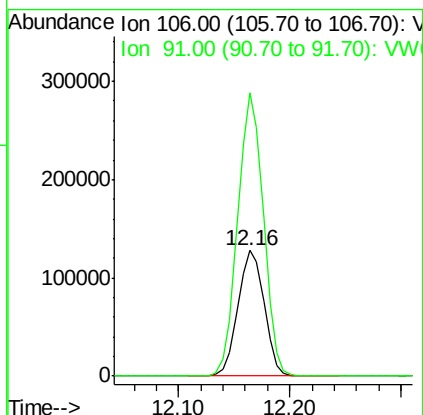
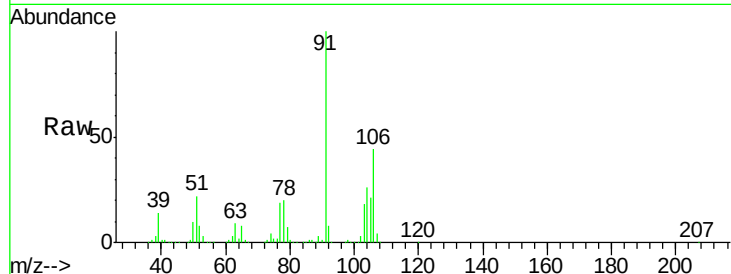
#69
o-Xylene
Concen: 52.758 ug/l
RT: 12.16 min Scan# 1683
Delta R.T. 0.00 min
Lab File: VW011217.D
Acq: 11 Jul 2019 04:31

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
106	100		
91	222.0	110.7	332.1

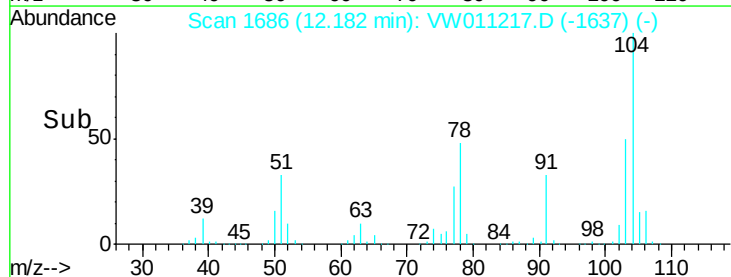
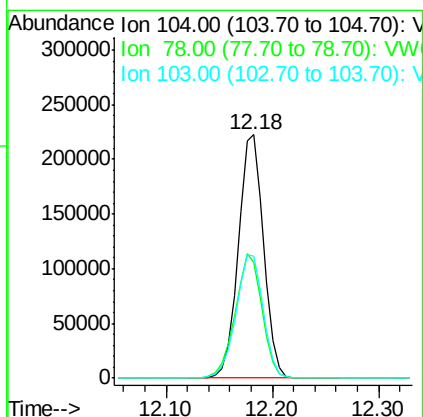
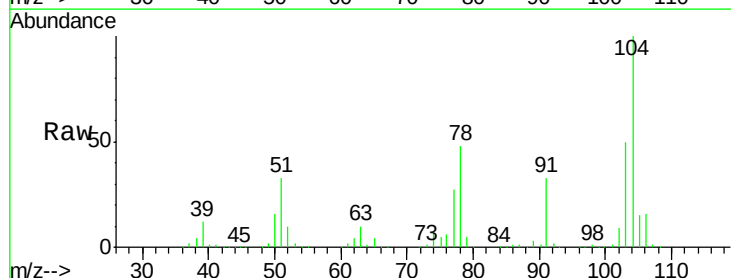
Manual Integrations
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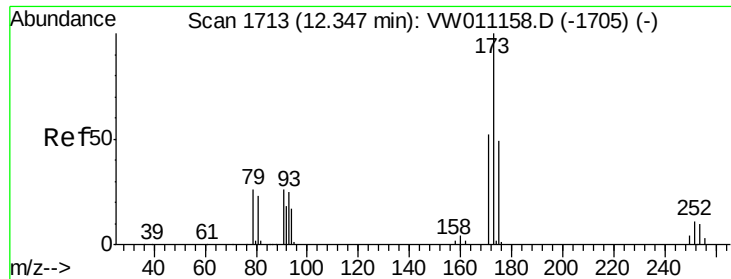
MMDadoda
7/11/2019 2:50:31 PM



#70
Styrene
Concen: 54.271 ug/l
RT: 12.18 min Scan# 1686
Delta R.T. 0.00 min
Lab File: VW011217.D
Acq: 11 Jul 2019 04:31

Tgt Ion	Ratio	Lower	Upper
104	100		
78	54.4	43.1	64.7
103	54.7	44.1	66.1





#71

Bromoform

Concen: 54.959 ug/l

RT: 12.35 min Scan# 1713

Delta R.T. 0.00 min

Lab File: VW011217.D

Acq: 11 Jul 2019 04:31

Instrument :

MSVOA_W

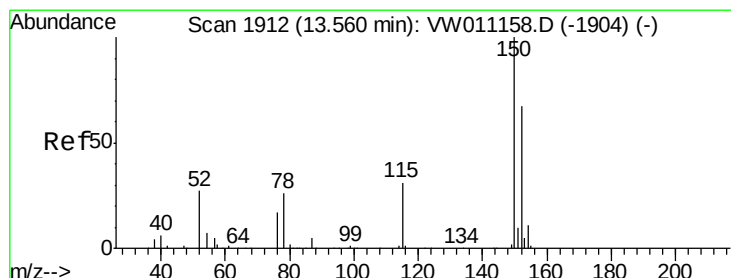
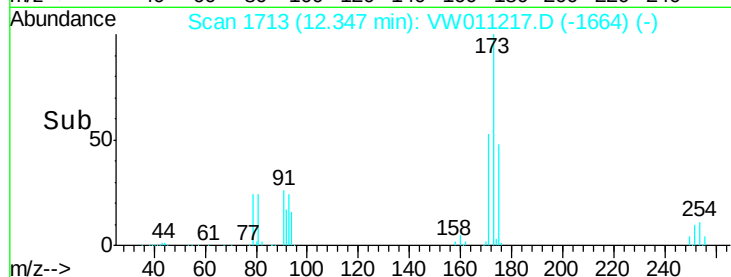
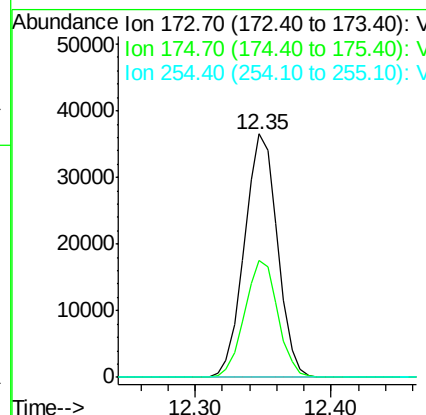
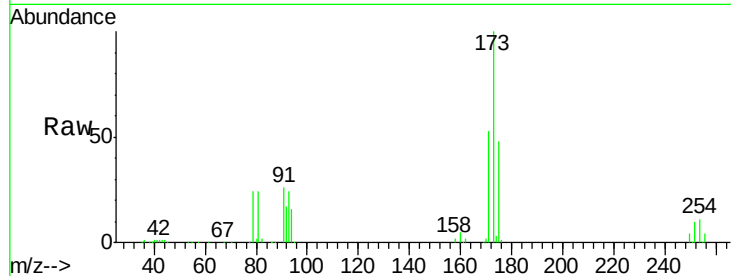
ClientSampleId :

VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
173	100		
175	48.2	24.8	74.3
254	0.1	0.0	0.0

Manual Integrations
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#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

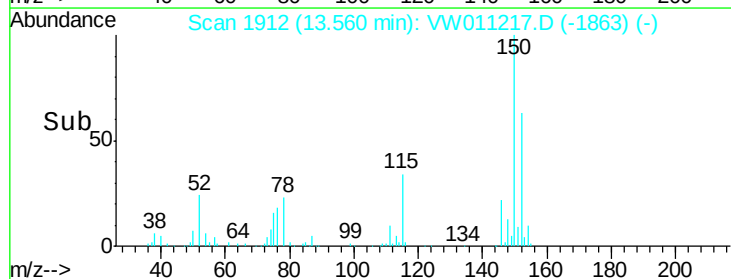
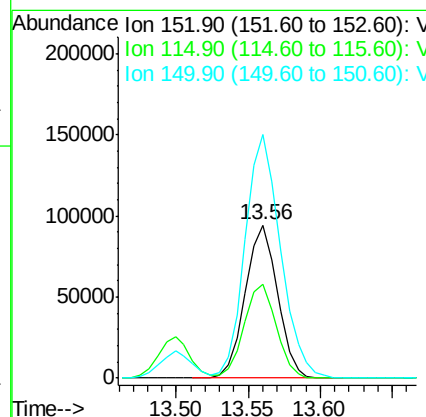
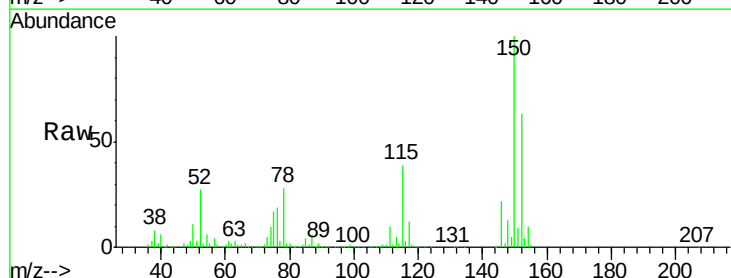
RT: 13.56 min Scan# 1912

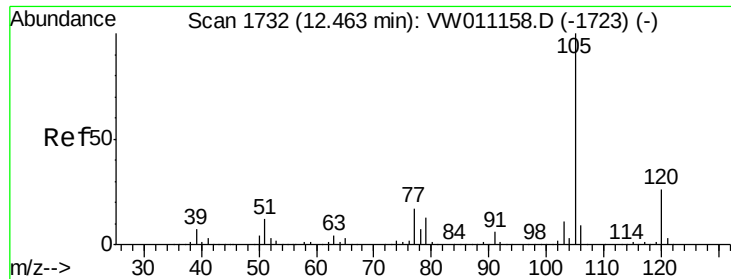
Delta R.T. 0.00 min

Lab File: VW011217.D

Acq: 11 Jul 2019 04:31

Tgt Ion	Ratio	Lower	Upper
152	100		
115	61.8	30.1	90.3
150	175.0	0.0	346.0





#73

Isopropylbenzene

Concen: 50.363 ug/l

RT: 12.46 min Scan# 1732

Delta R.T. 0.00 min

Lab File: VW011217.D

Acq: 11 Jul 2019 04:31

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

Tot Ion:105 Resp: 549692

Ion Ratio Lower Upper

105 100

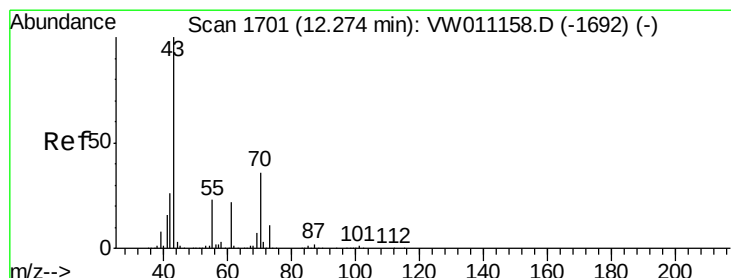
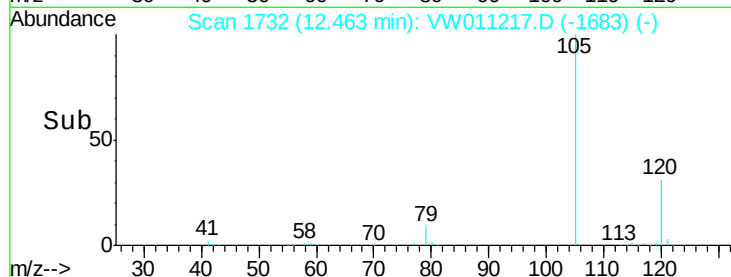
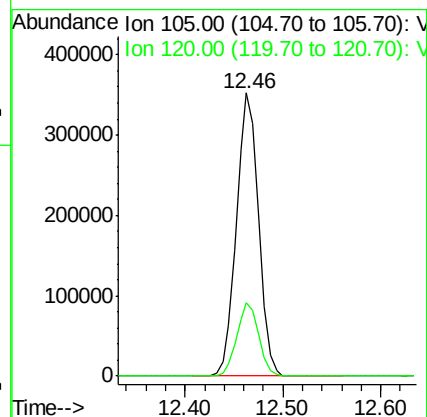
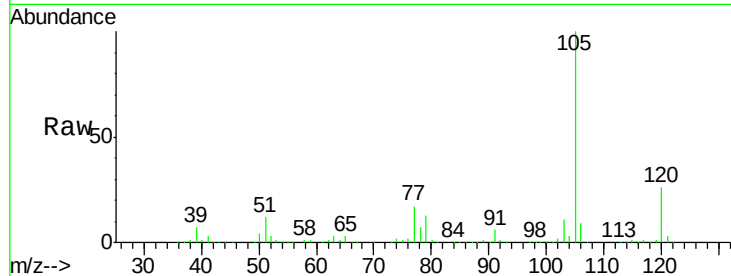
120 25.6 12.8 38.3

Manual Integrations

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#74

N-ethyl acetate

Concen: 55.470 ug/l

RT: 12.27 min Scan# 1701

Delta R.T. 0.00 min

Lab File: VW011217.D

Acq: 11 Jul 2019 04:31

Tgt Ion: 43 Resp: 210855

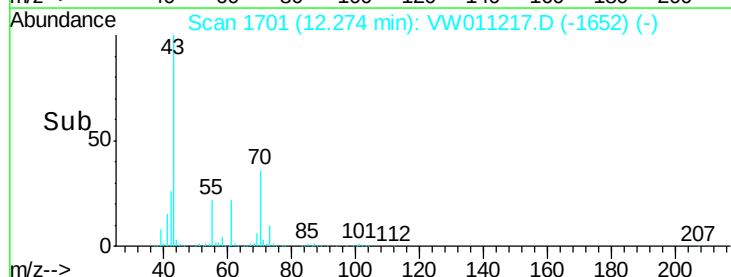
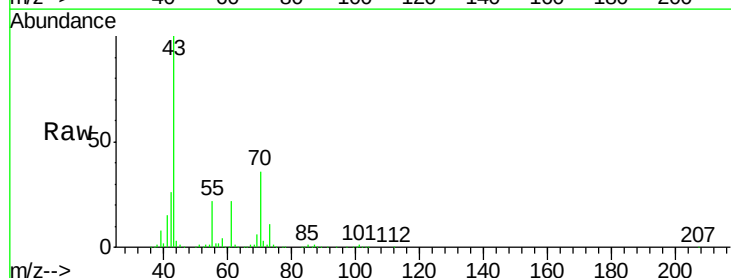
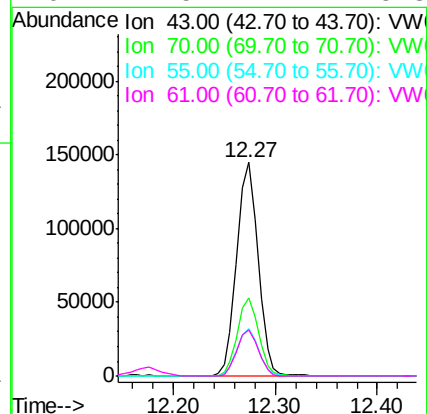
Ion Ratio Lower Upper

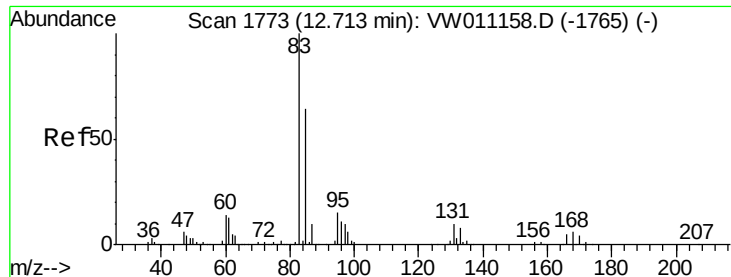
43 100

70 36.4 28.5 42.7

55 22.7 18.1 27.1

61 21.5 17.2 25.8





#75

1,1,2,2-Tetrachloroethane

Concen: 55.187 ug/l

RT: 12.71 min Scan# 1773

Delta R.T. 0.00 min

Lab File: VW011217.D

Acq: 11 Jul 2019 04:31

Instrument :

MSVOA_W

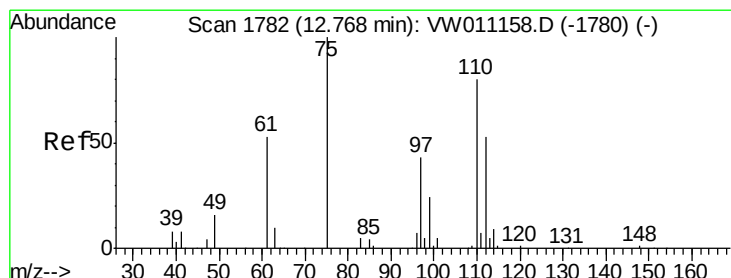
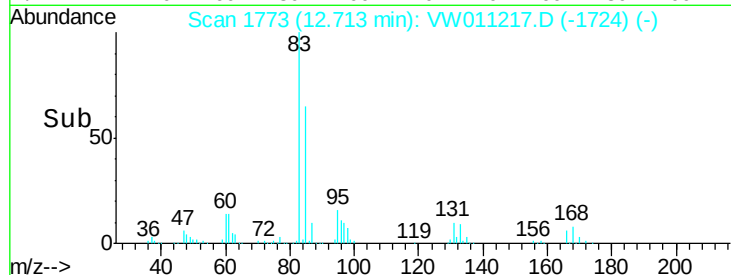
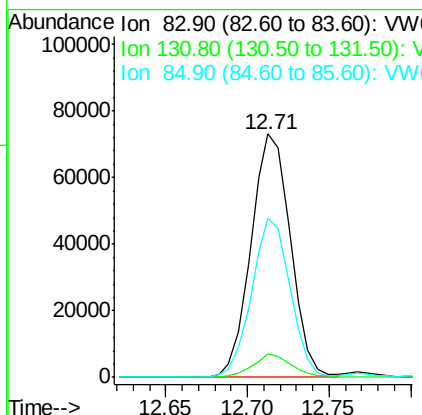
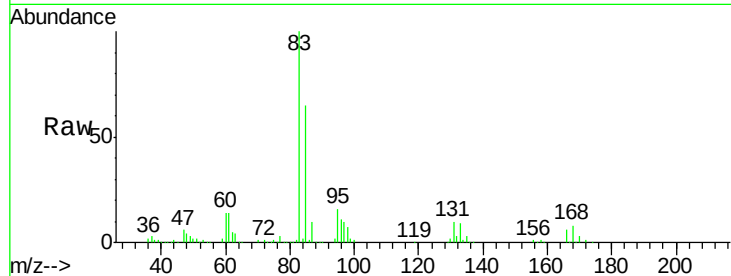
ClientSampleId :

VSTDCCC050EC

Tot Ion:	83	Resp:	123472
Ion Ratio	Lower	Upper	
83	100		
131	9.7	5.0	15.0
85	63.7	31.6	94.8

Manual Integrations
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#76

1,2,3-Trichloropropane

Concen: 50.143 ug/l m

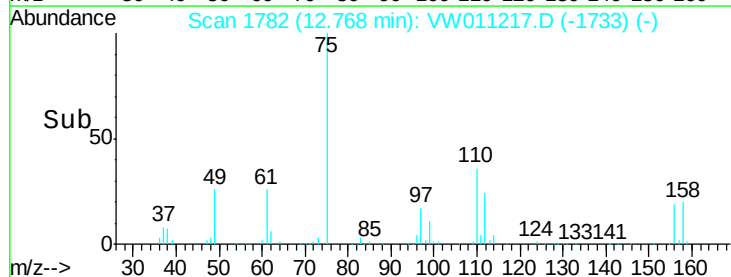
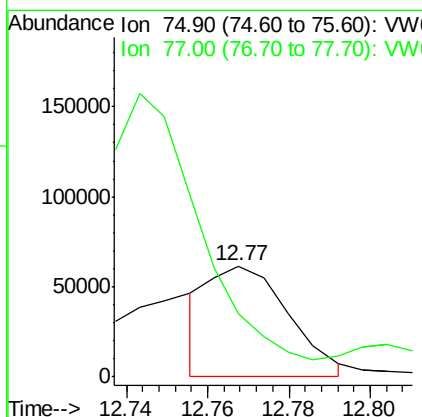
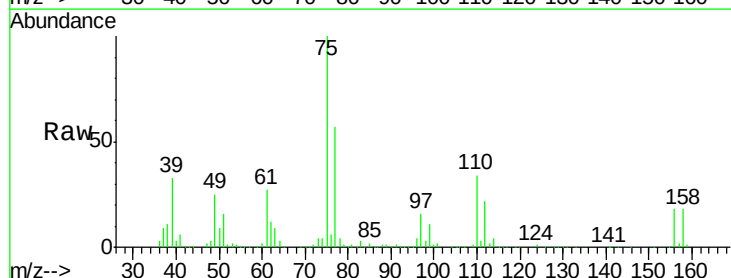
RT: 12.77 min Scan# 1782

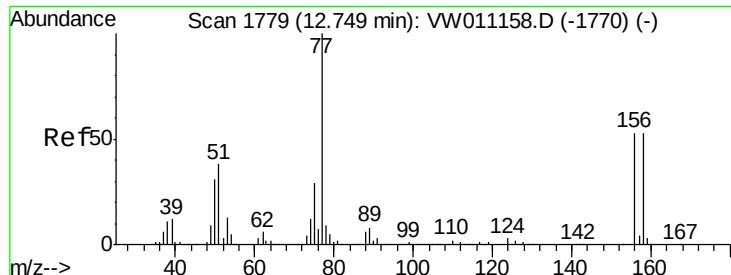
Delta R.T. 0.00 min

Lab File: VW011217.D

Acq: 11 Jul 2019 04:31

Tgt Ion:	75	Resp:	84606
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





#77

Bromobenzene

Concen: 53.046 ug/l

RT: 12.74 min Scan# 1778

Delta R.T. -0.01 min

Lab File: VW011217.D

Acq: 11 Jul 2019 04:31

Instrument :

MSVOA_W

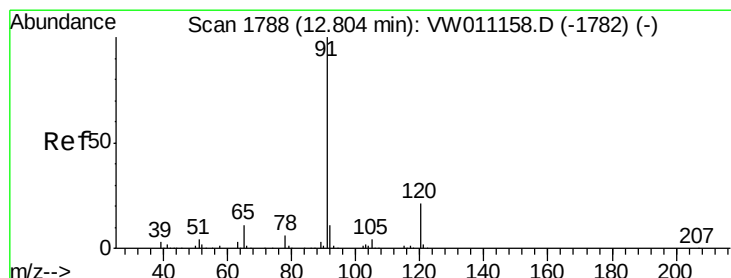
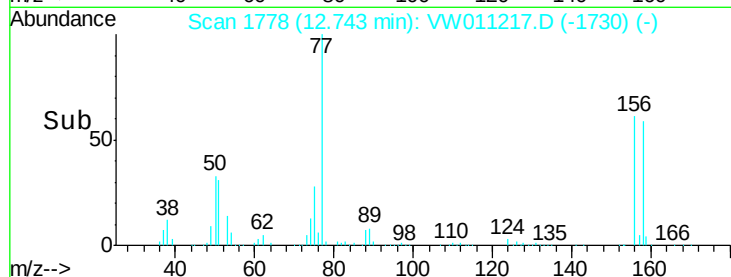
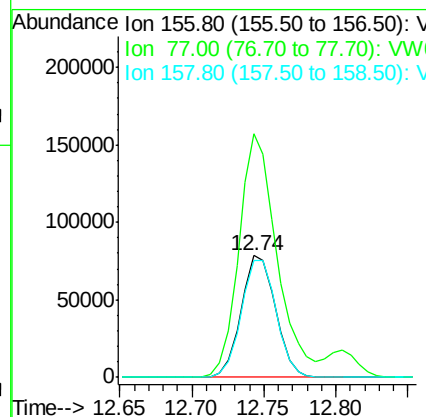
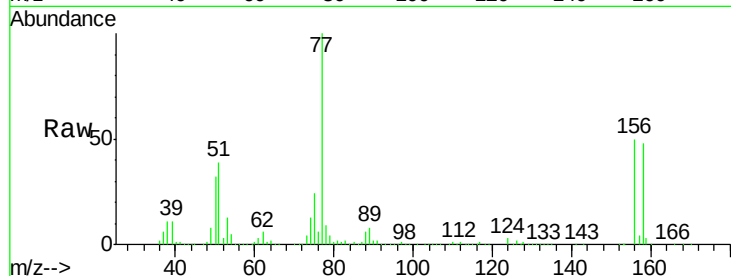
ClientSampleId :

VSTDCCC050EC

Tot Ion	Ion	Ratio	Lower	Upper
156	100			
77	220.4	109.0	327.0	
158	98.3	48.8	146.3	

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#78

n-propylbenzene

Concen: 49.853 ug/l

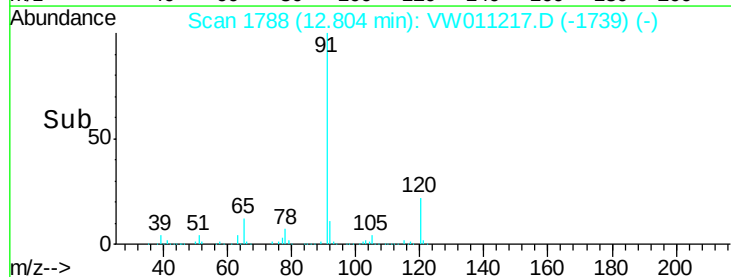
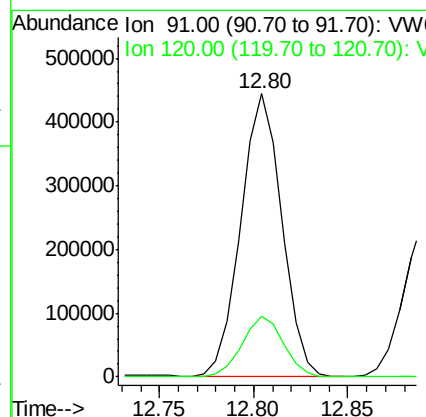
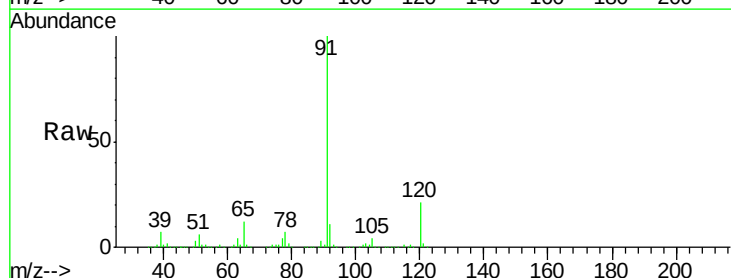
RT: 12.80 min Scan# 1788

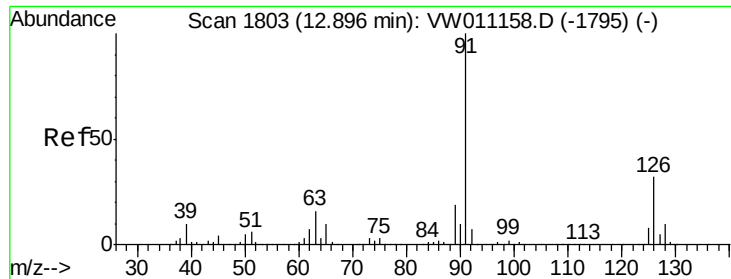
Delta R.T. 0.00 min

Lab File: VW011217.D

Acq: 11 Jul 2019 04:31

Tgt Ion	Ion	Ratio	Lower	Upper
91	100			
120	21.5	10.8	32.3	





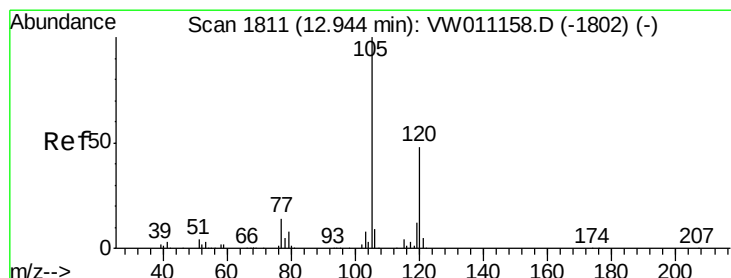
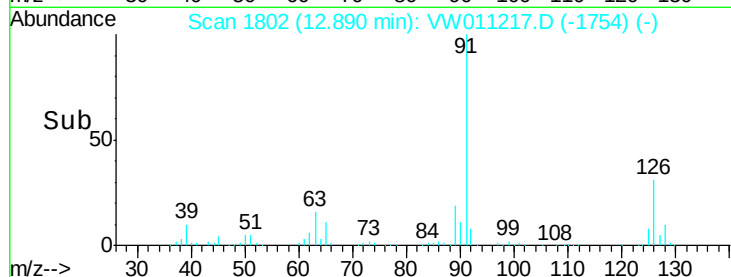
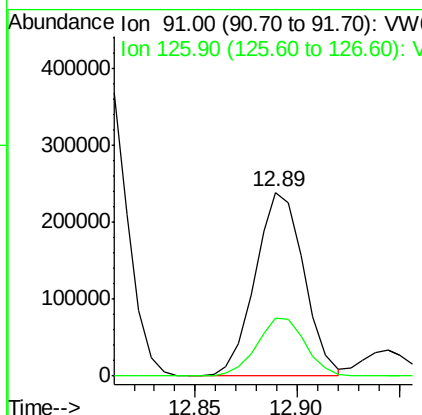
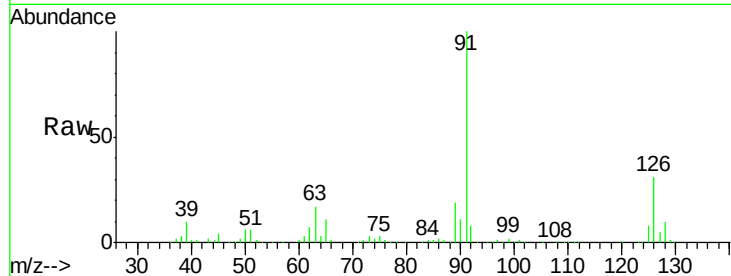
#79
2-Chlorotoluene
Concen: 51.302 ug/l
RT: 12.89 min Scan# 1802
Delta R.T. -0.01 min
Lab File: VW011217.D
Acq: 11 Jul 2019 04:31

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
91	100		
126	31.5	15.8	47.3

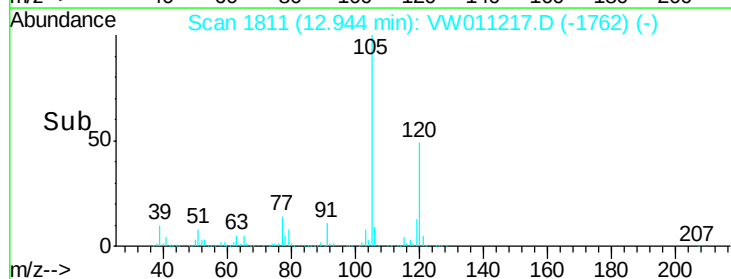
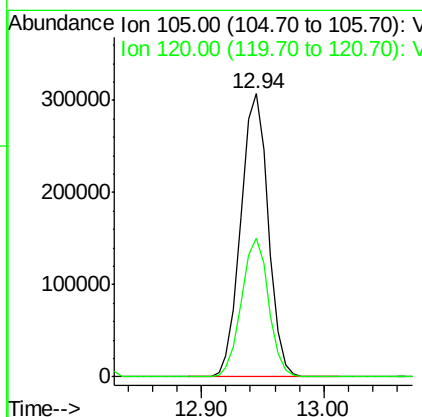
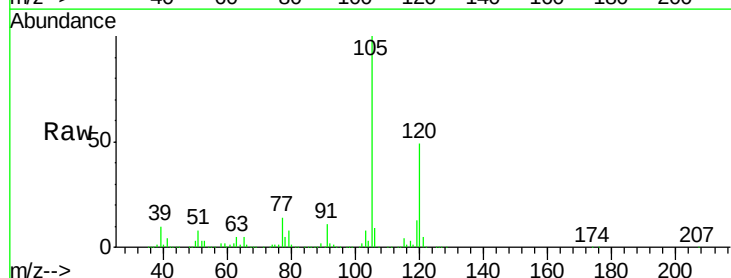
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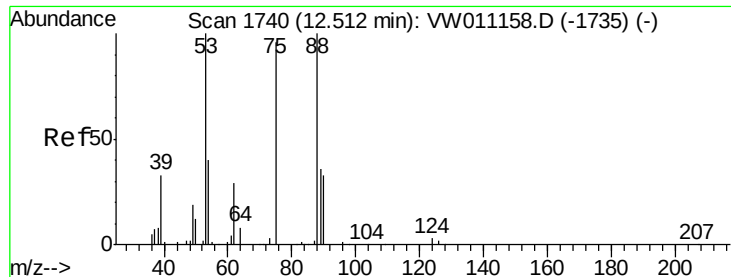
MMDadoda
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#80
1,3,5-Trimethylbenzene
Concen: 51.379 ug/l
RT: 12.94 min Scan# 1811
Delta R.T. 0.00 min
Lab File: VW011217.D
Acq: 11 Jul 2019 04:31

Tgt Ion	Ratio	Lower	Upper
105	100		
120	48.4	24.1	72.2





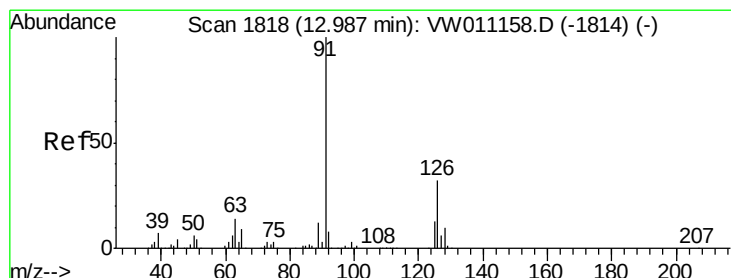
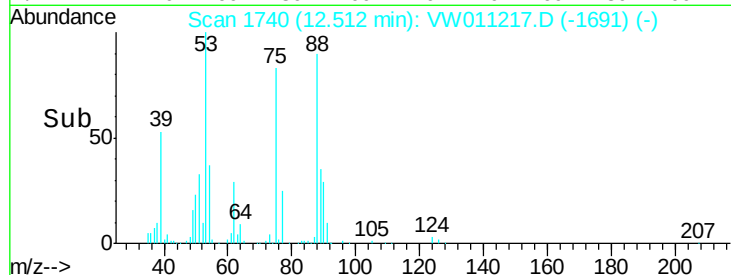
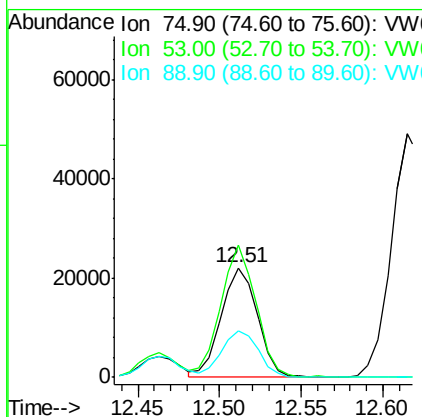
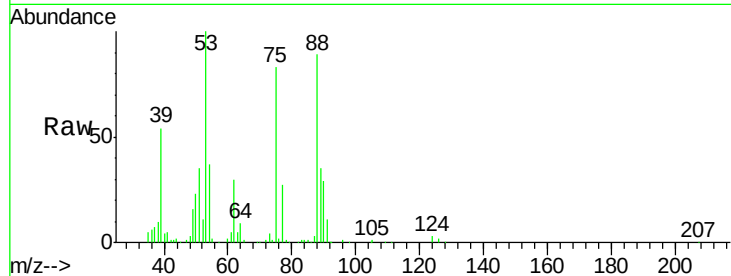
#81
trans-1,4-Dichloro-2-butene
Concen: 45.376 ug/l
RT: 12.51 min Scan# 1740
Delta R.T. 0.00 min
Lab File: VW011217.D
Acq: 11 Jul 2019 04:31

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
75	100		
53	117.1	89.8	134.6
89	43.5	34.3	51.5

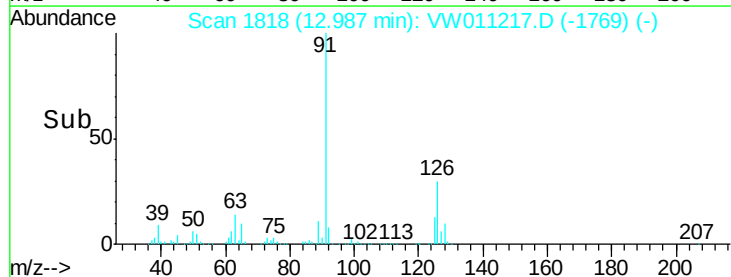
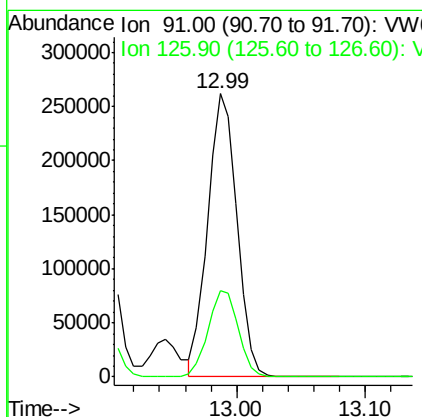
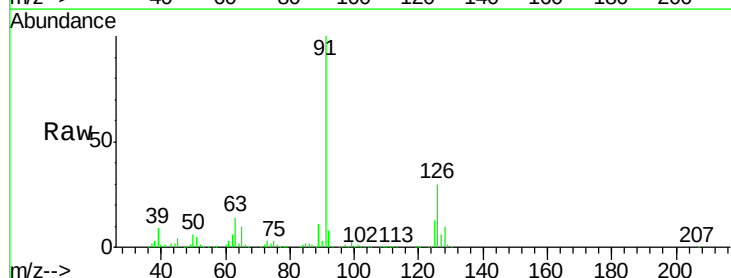
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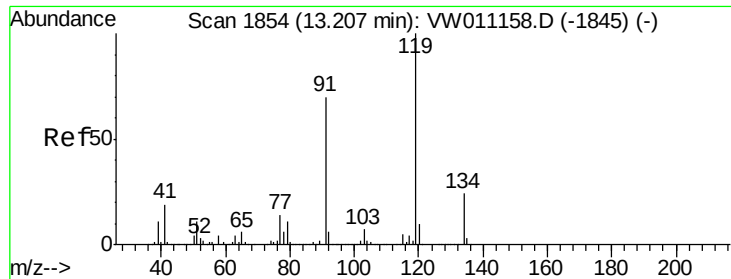
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#82
4-Chlorotoluene
Concen: 51.600 ug/l
RT: 12.99 min Scan# 1818
Delta R.T. 0.00 min
Lab File: VW011217.D
Acq: 11 Jul 2019 04:31

Tgt Ion	Ratio	Lower	Upper
91	100		
126	31.5	15.7	47.1





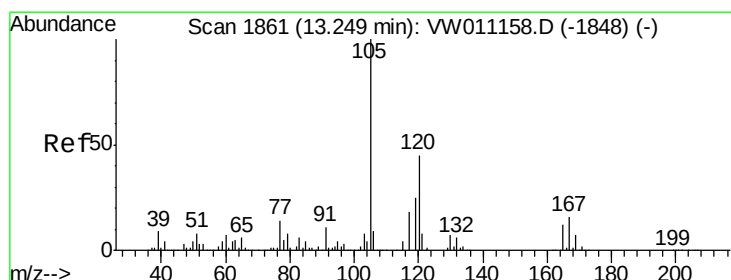
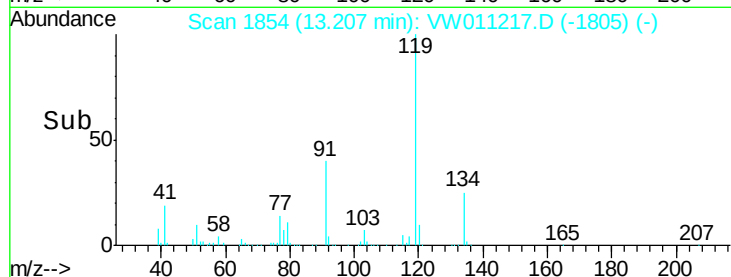
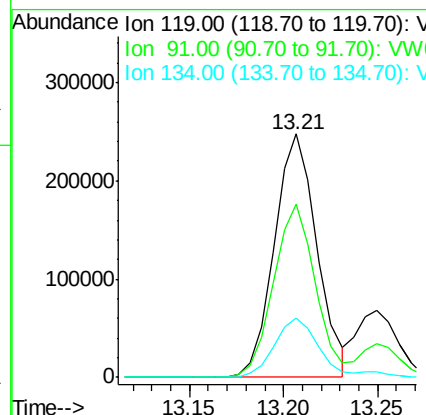
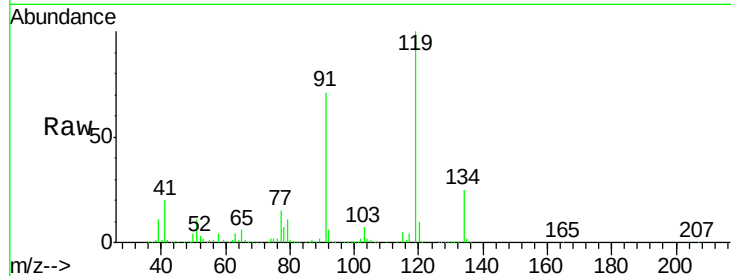
#83
 tert-Butylbenzene
 Concen: 50.185 ug/l
 RT: 13.21 min Scan# 1854
 Delta R.T. 0.00 min
 Lab File: VW011217.D
 Acq: 11 Jul 2019 04:31

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
119	100		
91	69.4	35.4	106.3
134	26.5	13.4	40.2

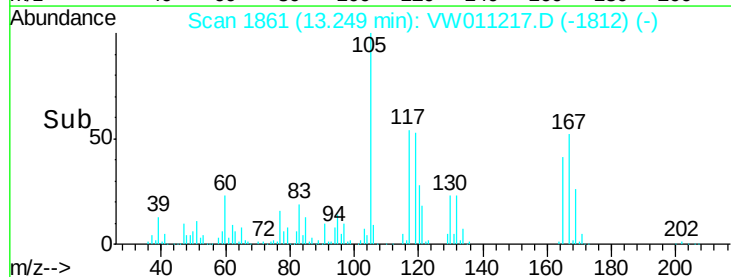
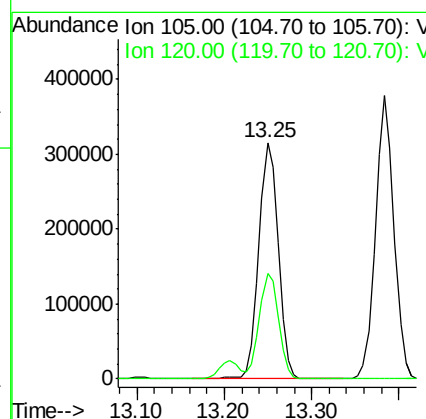
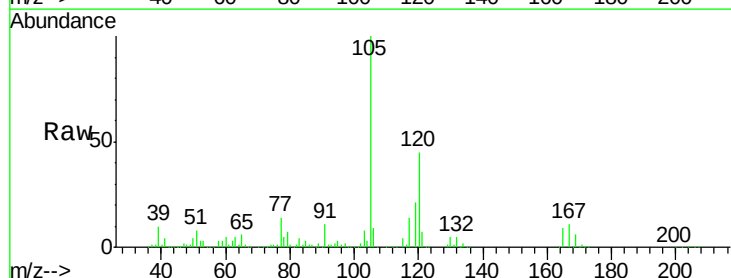
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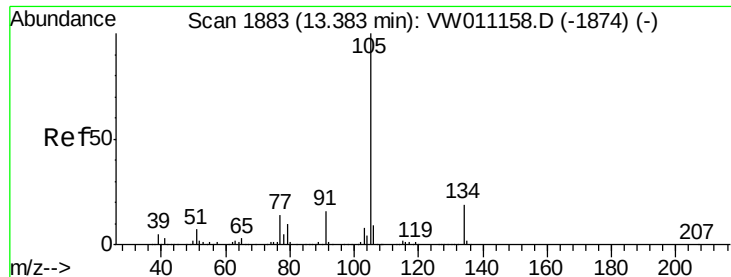
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#84
 1,2,4-Trimethylbenzene
 Concen: 52.242 ug/l
 RT: 13.25 min Scan# 1861
 Delta R.T. 0.00 min
 Lab File: VW011217.D
 Acq: 11 Jul 2019 04:31

Tgt Ion	Ratio	Lower	Upper
105	100		
120	44.5	22.3	66.9





#85

sec-Butylbenzene

Concen: 49.727 ug/l

RT: 13.38 min Scan# 1883

Delta R.T. 0.00 min

Lab File: VW011217.D

Acq: 11 Jul 2019 04:31

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

Tot Ion:105 Resp: 554883

Ion Ratio Lower Upper

105 100

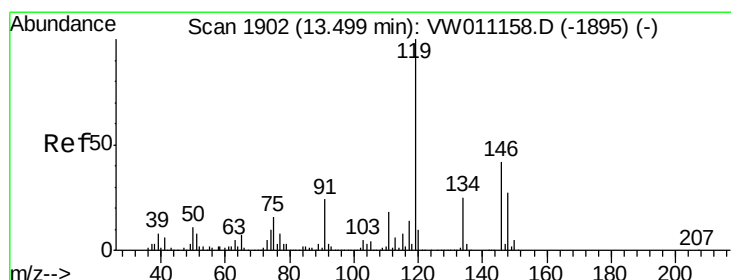
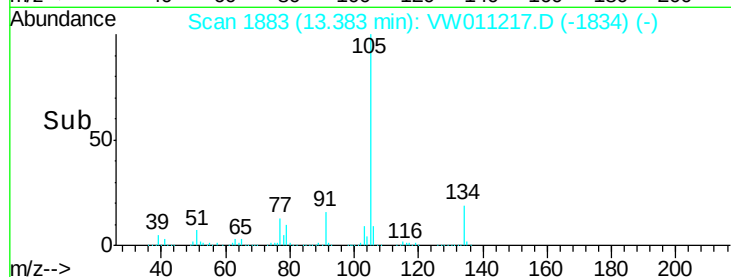
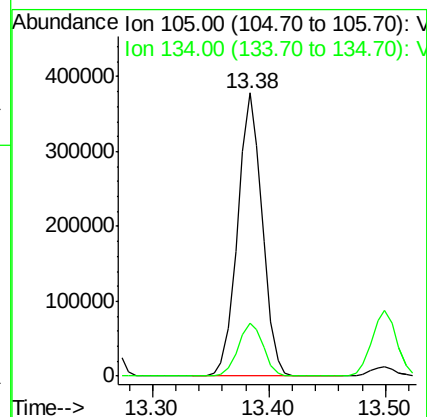
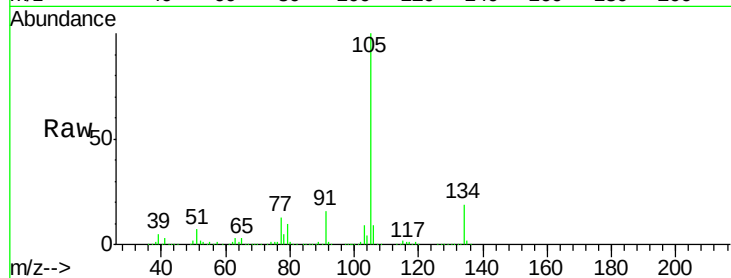
134 19.2 9.7 28.9

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#86

p-Isopropyltoluene

Concen: 50.373 ug/l

RT: 13.50 min Scan# 1902

Delta R.T. 0.00 min

Lab File: VW011217.D

Acq: 11 Jul 2019 04:31

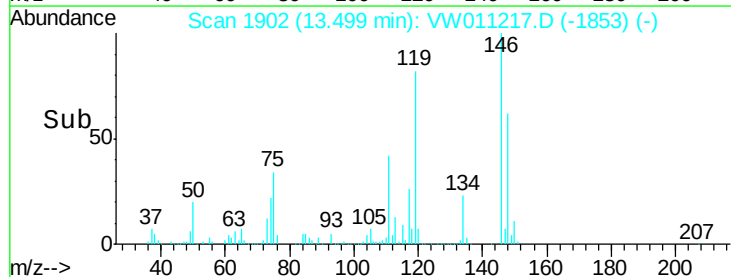
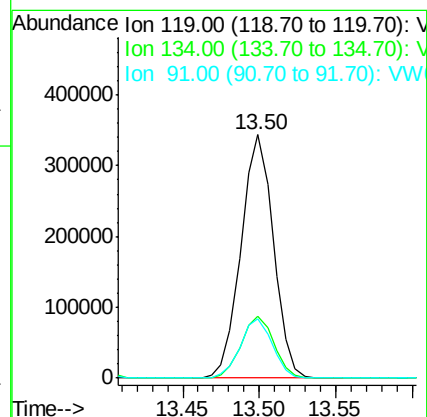
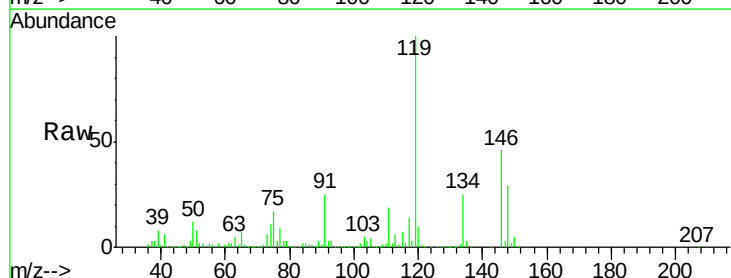
Tgt Ion:119 Resp: 504148

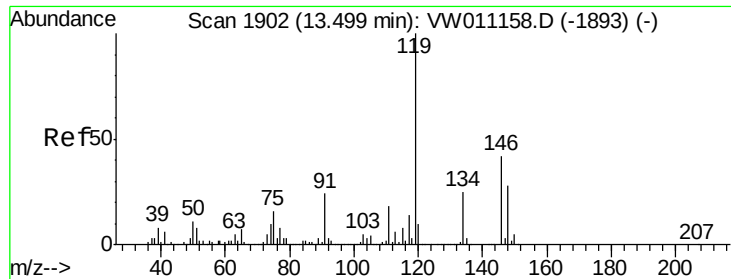
Ion Ratio Lower Upper

119 100

134 25.6 12.9 38.6

91 24.3 12.3 36.8





#87

1,3-Dichlorobenzene

Concen: 53.473 ug/l

RT: 13.50 min Scan# 1902

Delta R.T. 0.00 min

Lab File: VW011217.D

Acq: 11 Jul 2019 04:31

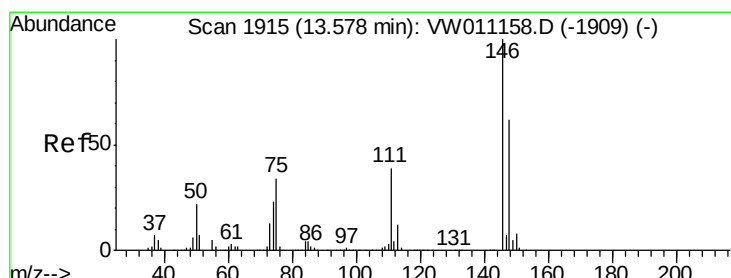
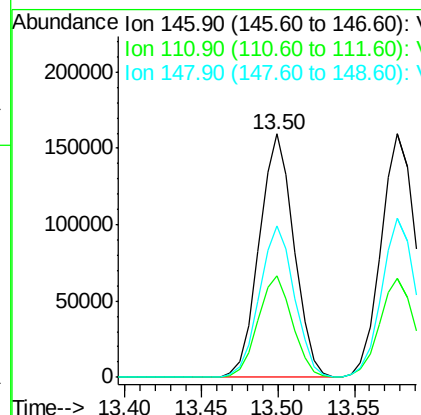
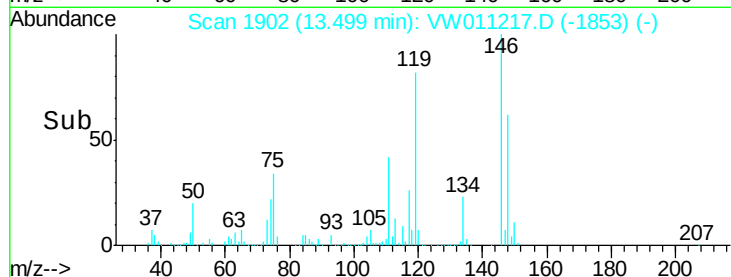
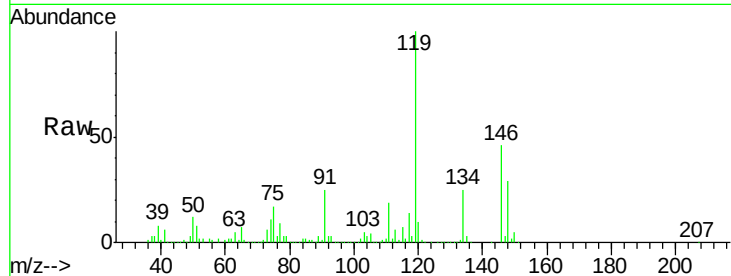
Instrument :
MSVOA_W

ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
146	100		
111	41.5	21.1	63.1
148	62.8	32.6	97.7

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#88

1,4-Dichlorobenzene

Concen: 52.970 ug/l

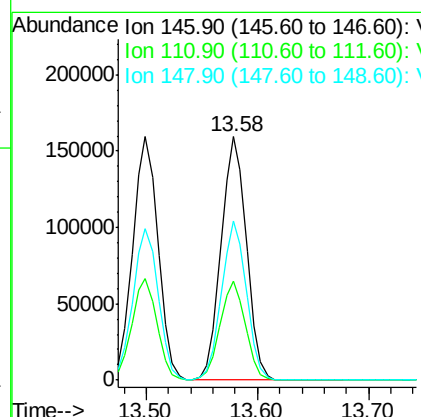
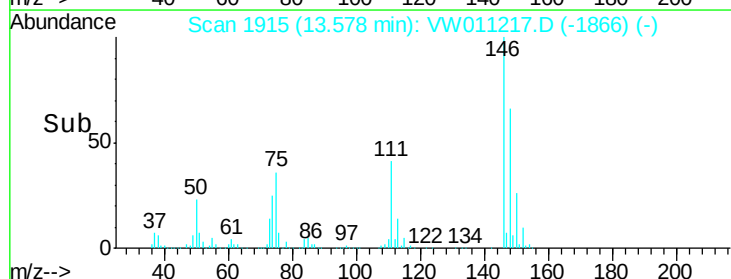
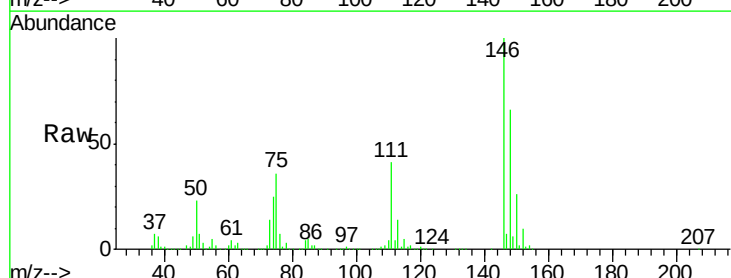
RT: 13.58 min Scan# 1915

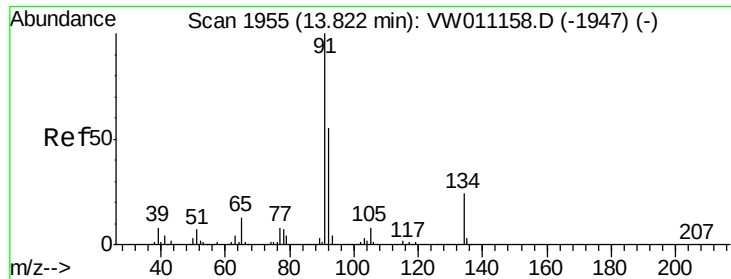
Delta R.T. 0.00 min

Lab File: VW011217.D

Acq: 11 Jul 2019 04:31

Tgt Ion	Ratio	Lower	Upper
146	100		
111	40.5	19.9	59.7
148	64.0	31.5	94.5





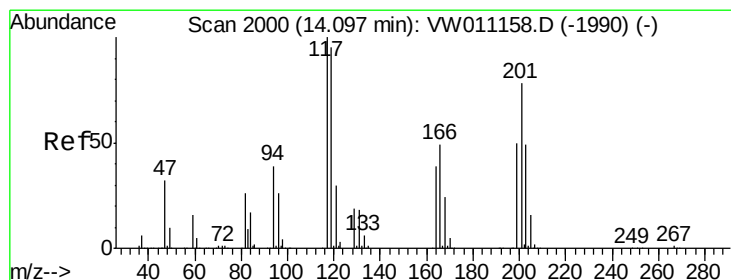
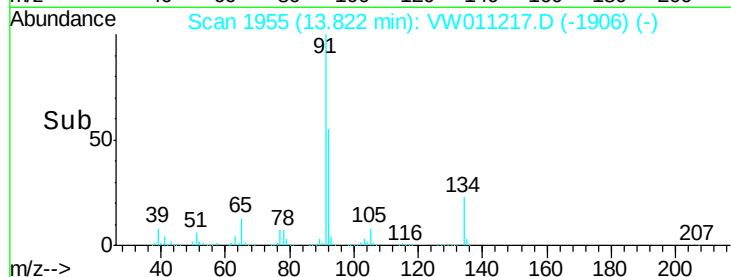
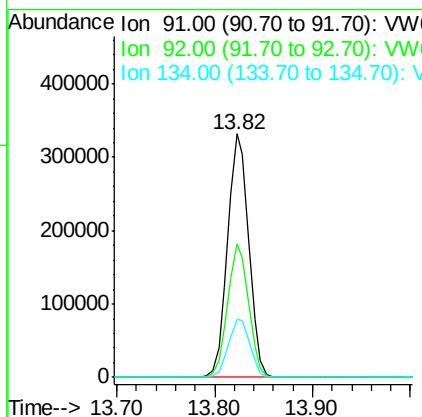
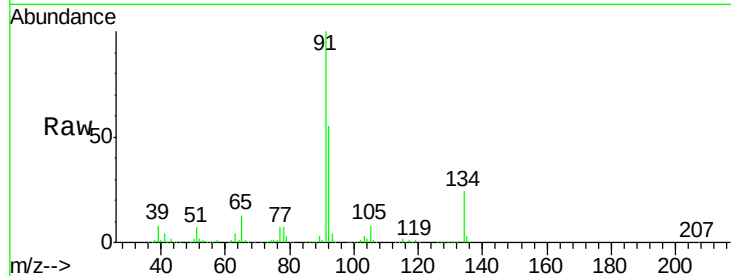
#89
n-Butylbenzene
Concen: 49.741 ug/l
RT: 13.82 min Scan# 1955
Delta R.T. 0.00 min
Lab File: VW011217.D
Acq: 11 Jul 2019 04:31

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
91	100		
92	54.3	26.9	80.7
134	24.3	12.2	36.4

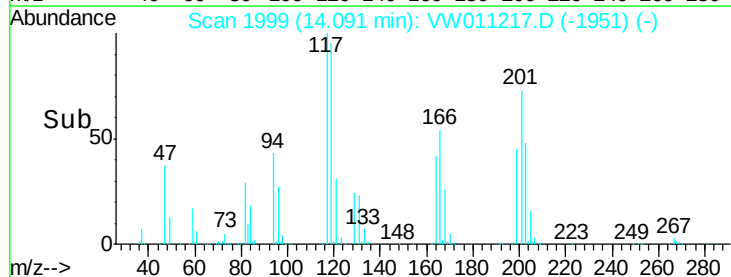
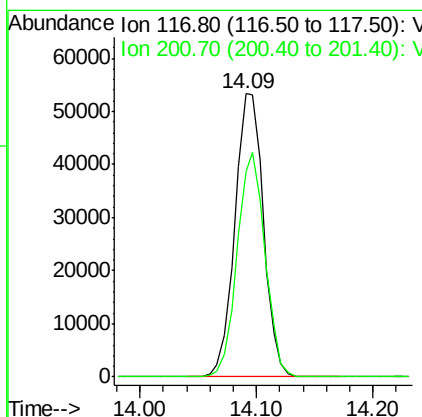
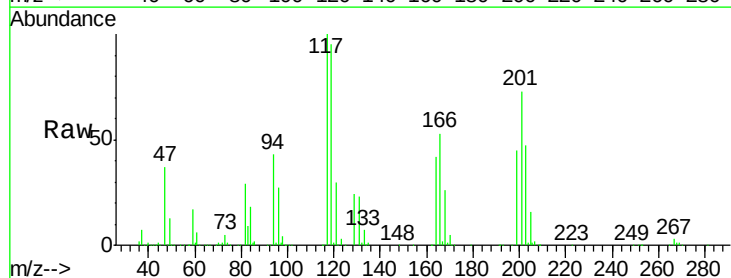
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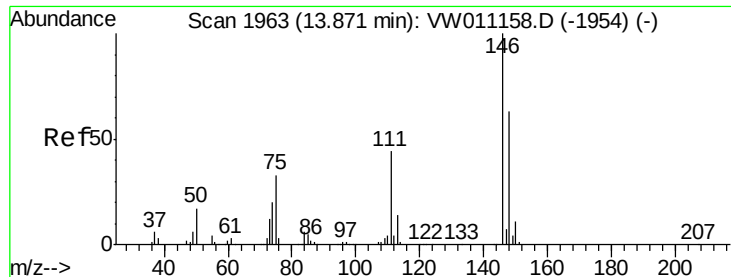
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#90
Hexachloroethane
Concen: 49.910 ug/l
RT: 14.09 min Scan# 1999
Delta R.T. -0.01 min
Lab File: VW011217.D
Acq: 11 Jul 2019 04:31

Tgt Ion	Ratio	Lower	Upper
117	100		
201	77.2	38.3	114.8





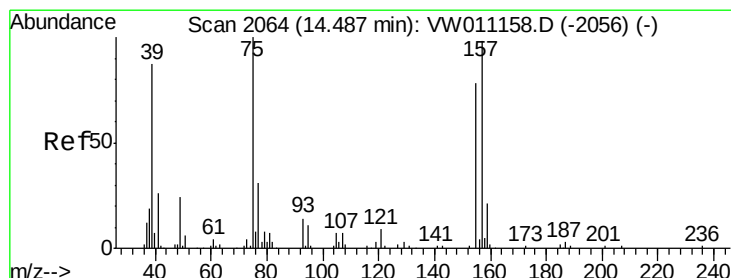
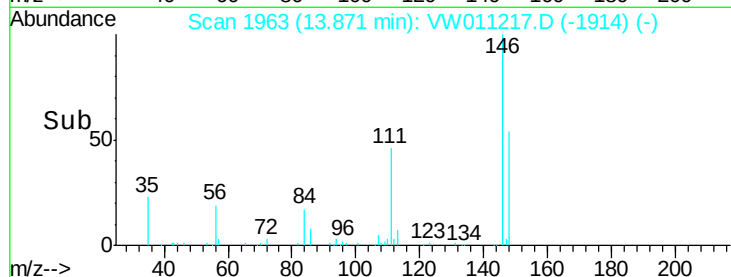
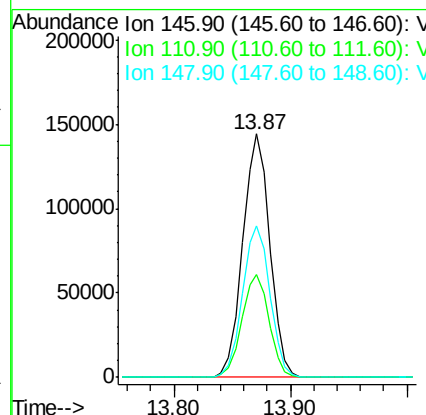
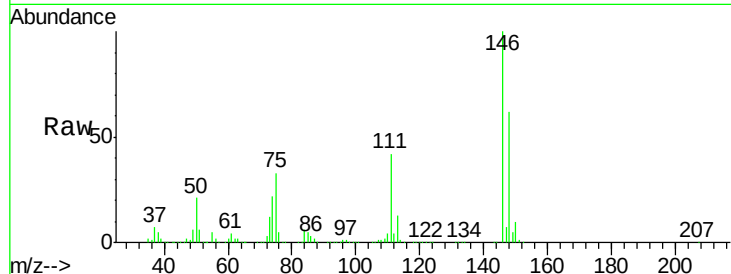
#91
 1,2-Dichlorobenzene
 Concen: 54.599 ug/l
 RT: 13.87 min Scan# 1963
 Delta R.T. 0.00 min
 Lab File: VW011217.D
 Acq: 11 Jul 2019 04:31

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
146	100		
111	42.7	21.6	65.0
148	63.4	31.9	95.5

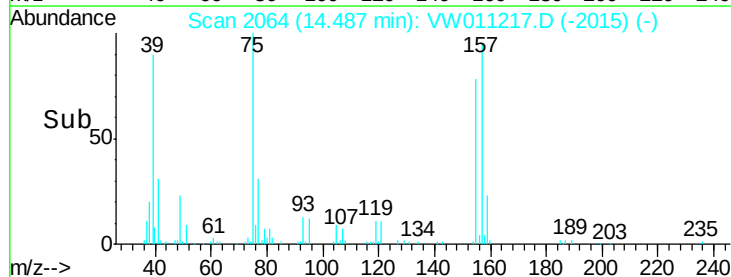
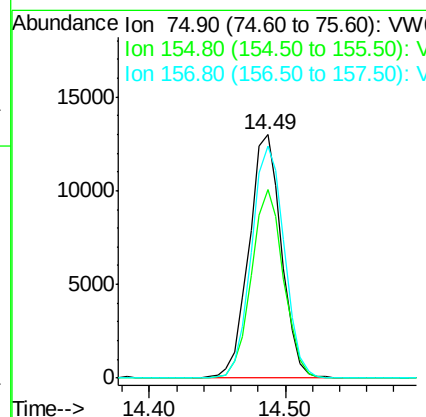
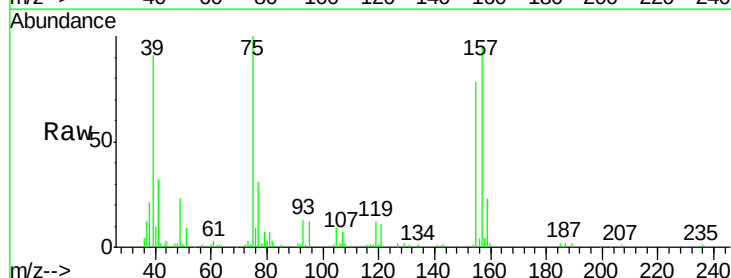
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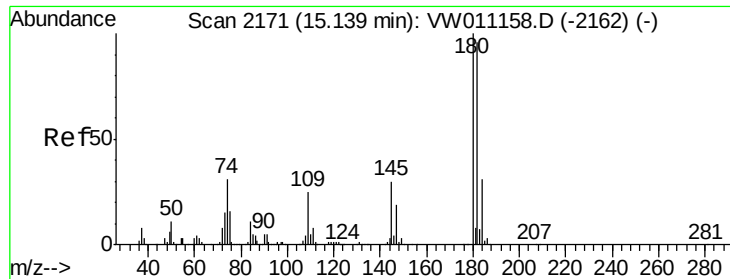
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 54.817 ug/l
 RT: 14.49 min Scan# 2064
 Delta R.T. 0.00 min
 Lab File: VW011217.D
 Acq: 11 Jul 2019 04:31

Tgt Ion	Ratio	Lower	Upper
75	100		
155	76.6	37.1	111.3
157	96.5	48.5	145.6





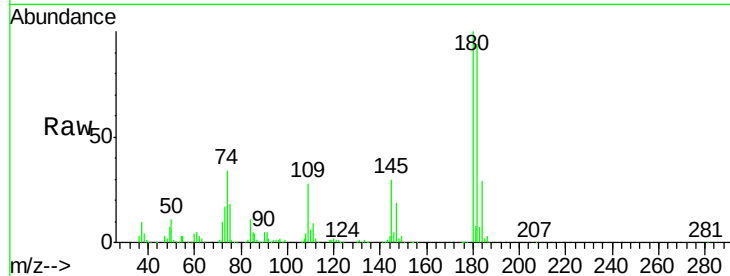
#93
 1,2,4-Trichlorobenzene
 Concen: 57.578 ug/l
 RT: 15.13 min Scan# 2170
 Delta R.T. -0.01 min
 Lab File: VW011217.D
 Acq: 11 Jul 2019 04:31

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050EC

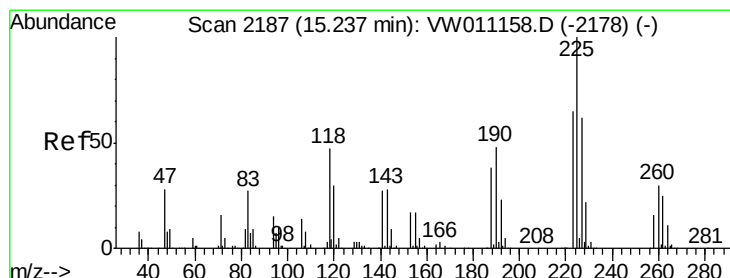
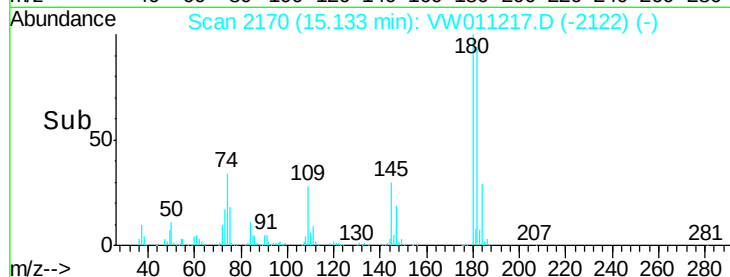
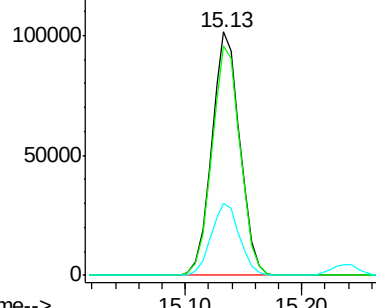
Tot Ion	Ratio	Resp	Lower	Upper
180	100	169555		
182	94.7	48.3	144.9	
145	29.9	15.5	46.5	

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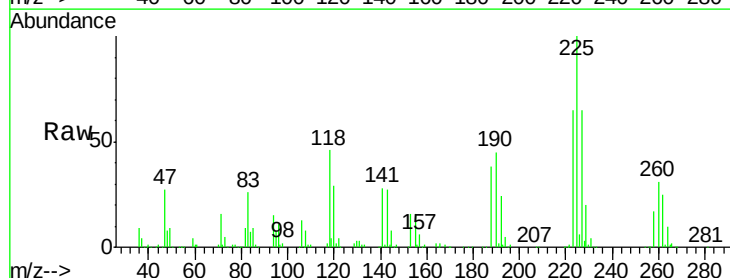


Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

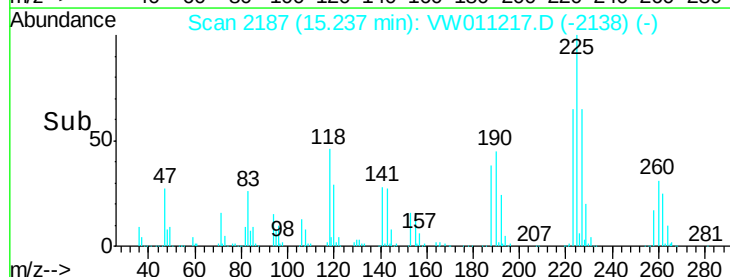
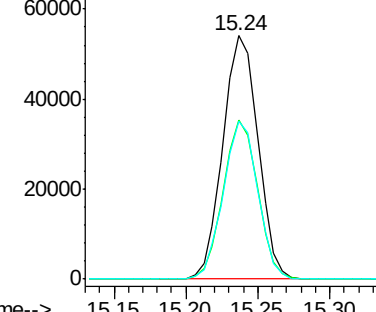


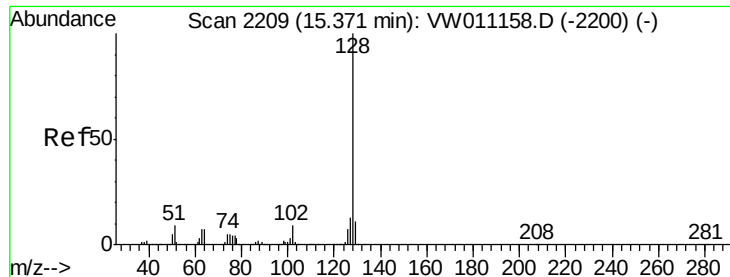
#94
 Hexachlorobutadiene
 Concen: 50.532 ug/l
 RT: 15.24 min Scan# 2187
 Delta R.T. 0.00 min
 Lab File: VW011217.D
 Acq: 11 Jul 2019 04:31

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	91357		
223	63.9	31.6	95.0	
227	63.4	32.0	96.0	



Abundance Ion 224.70 (224.40 to 225.40): V
 Ion 222.70 (222.40 to 223.40): V
 Ion 226.70 (226.40 to 227.40): V





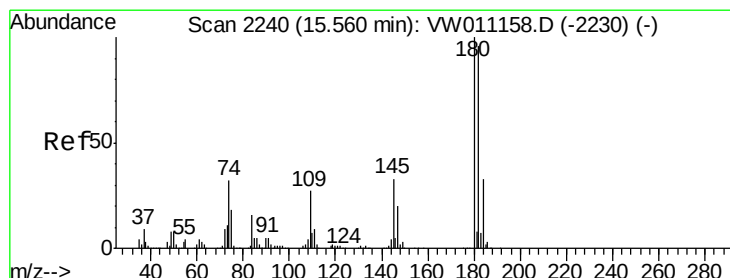
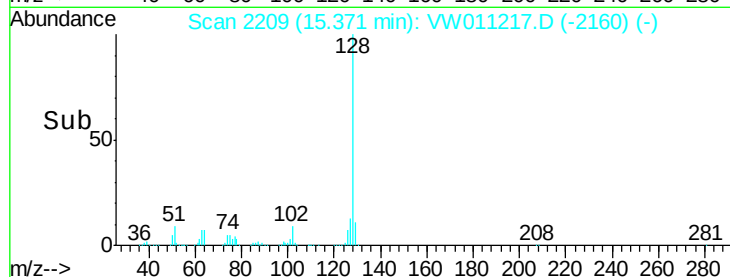
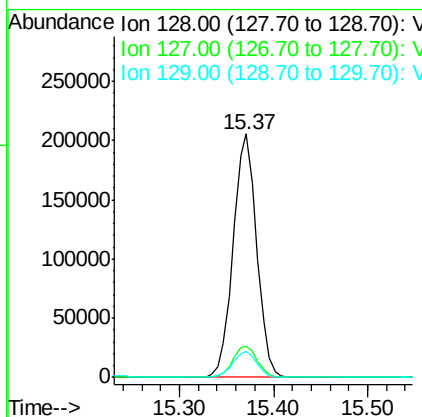
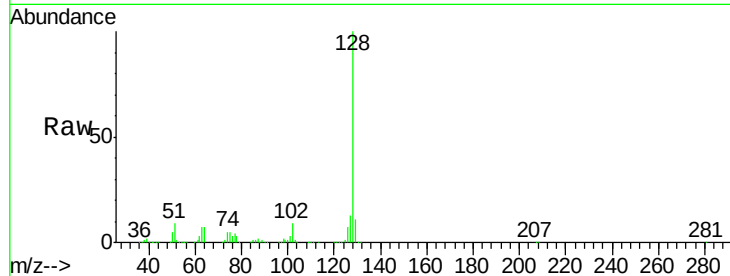
#95
Naphthalene
Concen: 62.740 ug/l
RT: 15.37 min Scan# 2209
Delta R.T. 0.00 min
Lab File: VW011217.D
Acq: 11 Jul 2019 04:31

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
128	100		
127	13.5	10.6	16.0
129	10.7	8.7	13.1

Manual Integrations
APPROVED

MMDadoda
7/11/2019 2:50:31 PM



#96
1,2,3-Trichlorobenzene
Concen: 59.575 ug/l
RT: 15.56 min Scan# 2240
Delta R.T. 0.00 min
Lab File: VW011217.D
Acq: 11 Jul 2019 04:31

Tgt Ion	Ratio	Lower	Upper
180	100		
182	94.5	47.6	142.8
145	32.1	16.5	49.5

