

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW010419\
 Data File : VW008060.D
 Acq On : 04 Jan 2019 21:13
 Operator : SY/AP
 Sample : VSTDCCC050
 Misc : 5.00G/5ML/MSVOA W/SOIL
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

MMDadoda
 1/7/2019 1:23:06 PM

Quant Time: Jan 05 03:01:54 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W010219S.M
 Quant Title : SW846 8260
 QLast Update : Thu Jan 03 05:03:55 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	70052	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	116519	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	99594	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	49379	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.31	65	37154	47.95	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.90%	
35) Dibromofluoromethane	7.88	113	32704	44.52	ug/l	0.00
Spiked Amount	50.000		Recovery	=	89.04%	
50) Toluene-d8	10.33	98	121075	43.94	ug/l	0.00
Spiked Amount	50.000		Recovery	=	87.88%	
62) 4-Bromofluorobenzene	12.62	95	45163	42.74	ug/l	0.00
Spiked Amount	50.000		Recovery	=	85.48%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.01	85	31515	49.024	ug/l	97
3) Chloromethane	2.22	50	24258	50.865	ug/l	95
4) Vinyl Chloride	2.37	62	32898	53.411	ug/l	98
5) Bromomethane	2.79	94	21632	55.279	ug/l	87
6) Chloroethane	2.93	64	18062	57.374	ug/l	99
7) Trichlorofluoromethane	3.26	101	32184	52.054	ug/l	98
8) Diethyl Ether	3.68	74	18983	59.776	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	4.06	101	37746	51.372	ug/l	97
10) Methyl Iodide	4.27	142	64374	54.458	ug/l	98
11) Tert butyl alcohol	5.23	59	12981	257.877	ug/l #	88
12) 1,1-Dichloroethene	4.03	96	36933	52.513	ug/l	91
13) Acrolein	3.90	56	9631	282.381	ug/l	100
14) Allyl chloride	4.67	41	53547	56.198	ug/l	97
15) Acrylonitrile	5.38	53	35049	300.072	ug/l	98
16) Acetone	4.14	43	32008	266.870	ug/l	99
17) Carbon Disulfide	4.37	76	113222	52.701	ug/l	97
18) Methyl Acetate	4.68	43	20450	65.747	ug/l	100
19) Methyl tert-butyl Ether	5.43	73	64979	58.707	ug/l	98
20) Methylene Chloride	4.91	84	38316	51.892	ug/l	95
21) trans-1,2-Dichloroethene	5.42	96	40282	52.642	ug/l	95
22) Diisopropyl ether	6.31	45	99562	58.216	ug/l	97
23) Vinyl Acetate	6.26	43	285549	298.420	ug/l	98
24) 1,1-Dichloroethane	6.22	63	68307	53.755	ug/l	99
25) 2-Butanone	7.18	43	41898	296.490	ug/l	99
26) 2,2-Dichloropropane	7.17	77	53406	51.013	ug/l	99
27) cis-1,2-Dichloroethene	7.17	96	43875	53.827	ug/l	99
28) Bromochloromethane	7.51	49	21423	52.453	ug/l #	98
29) Tetrahydrofuran	7.54	42	26615	303.212	ug/l	99
30) Chloroform	7.68	83	78112	54.849	ug/l	99
31) Cyclohexane	7.96	56	59641	50.357	ug/l	98
32) 1,1,1-Trichloroethane	7.87	97	72559	53.246	ug/l	98
36) 1,1-Dichloropropene	8.08	75	58528	50.920	ug/l	99
37) Ethyl Acetate	7.26	43	19854	57.505	ug/l	99
38) Carbon Tetrachloride	8.07	117	68356	49.623	ug/l	94

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.34	83	73121	51.036	ug/l	97
40) Benzene	8.32	78	160389	52.894	ug/l	100
41) Methacrylonitrile	7.48	41	12592	62.030	ug/l	95
42) 1,2-Dichloroethane	8.40	62	54153	53.601	ug/l	98
43) Isopropyl Acetate	8.43	43	42081	61.000	ug/l	99
44) Trichloroethene	9.09	130	46951	52.471	ug/l	100
45) 1,2-Dichloropropane	9.37	63	36682	55.889	ug/l	98
46) Dibromomethane	9.46	93	21359	55.661	ug/l	98
47) Bromodichloromethane	9.65	83	56554	52.618	ug/l	98
48) Methyl methacrylate	9.44	41	21732	62.479	ug/l	97
49) 1,4-Dioxane	9.48	88	6646	1170.331	ug/l #	80
51) 4-Methyl-2-Pentanone	10.21	43	96554	302.369	ug/l	99
52) Toluene	10.39	92	104253	52.079	ug/l	98
53) t-1,3-Dichloropropene	10.61	75	57673	55.803	ug/l	95
54) cis-1,3-Dichloropropene	10.07	75	64058	55.545	ug/l	95
55) 1,1,2-Trichloroethane	10.79	97	29454	56.691	ug/l	91
56) Ethyl methacrylate	10.65	69	36596	62.306	ug/l	96
57) 1,3-Dichloropropane	10.93	76	48583	55.031	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.93	63	76028	272.930	ug/l	100
59) 2-Hexanone	10.97	43	65413	296.727	ug/l	98
60) Dibromochloromethane	11.13	129	36377	51.150	ug/l	94
61) 1,2-Dibromoethane	11.24	107	28636	55.076	ug/l	98
64) Tetrachloroethene	10.87	164	37650	54.727	ug/l	98
65) Chlorobenzene	11.66	112	111415	52.344	ug/l	95
66) 1,1,1,2-Tetrachloroethane	11.73	131	41052	53.258	ug/l	96
67) Ethyl Benzene	11.74	91	194904	51.588	ug/l	93
68) m/p-Xylenes	11.84	106	154114	105.511	ug/l	99
69) o-Xylene	12.17	106	71882	52.889	ug/l	94
70) Styrene	12.18	104	120990	54.617	ug/l	98
71) Bromoform	12.35	173	19681	55.111	ug/l #	93
73) Isopropylbenzene	12.47	105	195498	49.789	ug/l	96
74) N-amyl acetate	12.27	43	31996	52.349	ug/l #	93
75) 1,1,2,2-Tetrachloroethane	12.72	83	28458	56.962	ug/l	97
76) 1,2,3-Trichloropropane	12.77	75	26803m	68.230	ug/l	
77) Bromobenzene	12.75	156	43541	51.592	ug/l	96
78) n-propylbenzene	12.80	91	226027	49.650	ug/l	97
79) 2-Chlorotoluene	12.90	91	139105	52.869	ug/l	97
80) 1,3,5-Trimethylbenzene	12.95	105	175027	51.786	ug/l	97
81) trans-1,4-Dichloro-2-buten	12.52	75	9496	57.165	ug/l	96
82) 4-Chlorotoluene	12.99	91	144879	51.784	ug/l	99
83) tert-Butylbenzene	13.21	119	153520	51.917	ug/l	98
84) 1,2,4-Trimethylbenzene	13.26	105	183663	53.649	ug/l	97
85) sec-Butylbenzene	13.39	105	212112	52.144	ug/l	99
86) p-Isopropyltoluene	13.50	119	193794	52.817	ug/l	97
87) 1,3-Dichlorobenzene	13.51	146	83167	48.840	ug/l	97
88) 1,4-Dichlorobenzene	13.58	146	87753	52.052	ug/l	98
89) n-Butylbenzene	13.82	91	167194	49.818	ug/l	98
90) Hexachloroethane	14.10	117	31146	48.921	ug/l	93
91) 1,2-Dichlorobenzene	13.88	146	74206	49.590	ug/l	96
92) 1,2-Dibromo-3-Chloropropan	14.49	75	5827	57.466	ug/l	93

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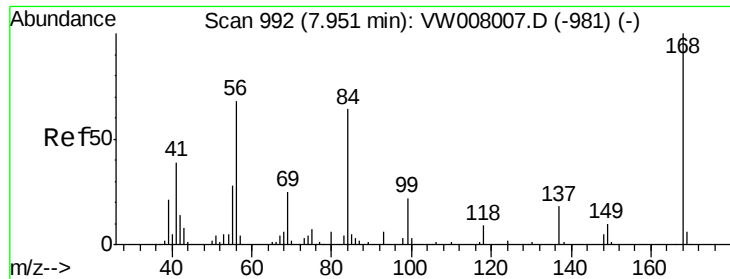
Manual Integrations
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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.14	180	51707	49.199	ug/l	96
94) Hexachlorobutadiene	15.24	225	30135	49.660	ug/l	98
95) Naphthalene	15.38	128	106492	59.495	ug/l	99
96) 1,2,3-Trichlorobenzene	15.57	180	47046	54.403	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 992

Delta R.T. 0.00 min

Lab File: VW008060.D

Acq: 04 Jan 2019 21:13

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

Tot Ion:168 Resp: 70052

Ion Ratio Lower Upper

168 100

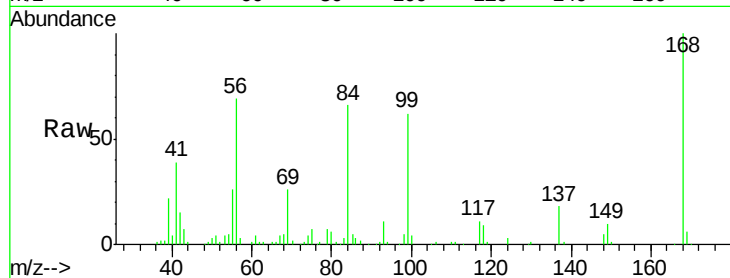
99 62.3 51.6 77.4

Manual Integrations

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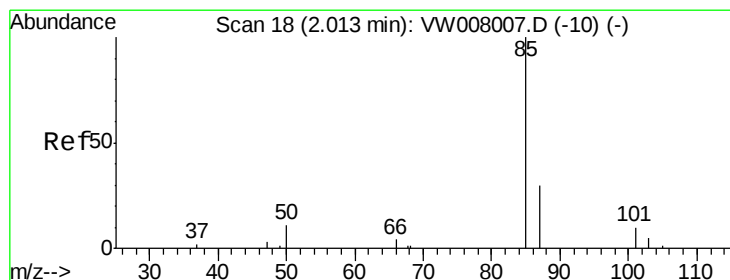
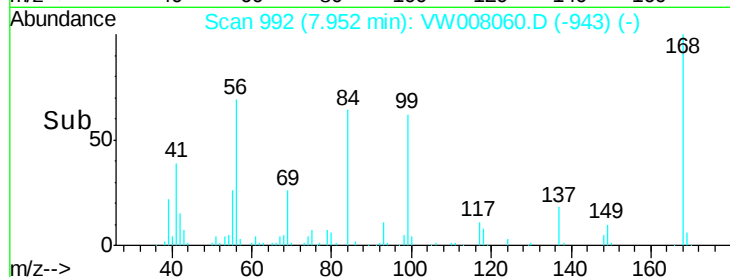
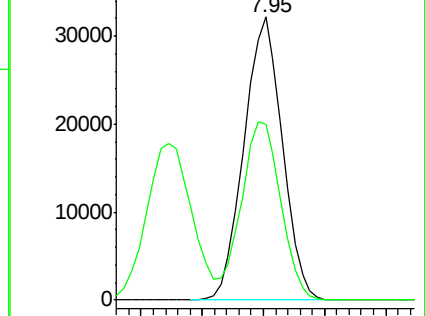
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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW



#2

Dichlorodifluoromethane

Concen: 49.024 ug/l

RT: 2.01 min Scan# 18

Delta R.T. 0.00 min

Lab File: VW008060.D

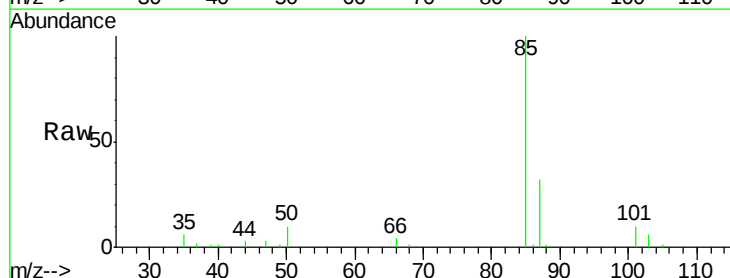
Acq: 04 Jan 2019 21:13

Tgt Ion: 85 Resp: 31515

Ion Ratio Lower Upper

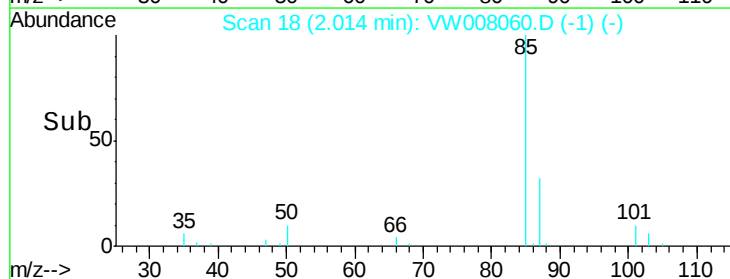
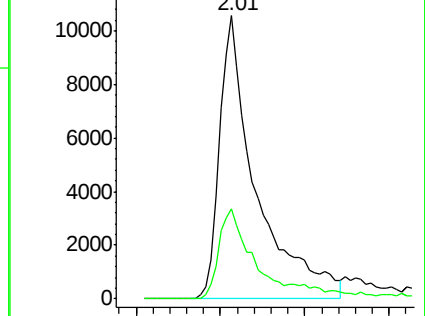
85 100

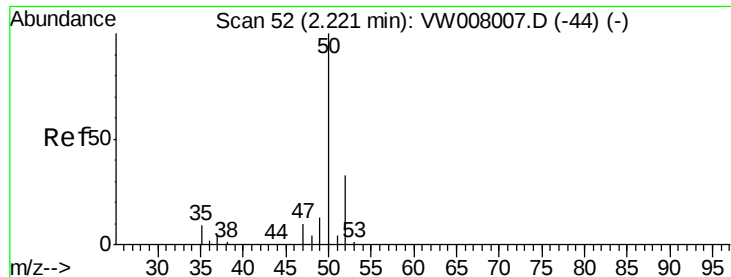
87 31.7 15.0 45.0



Abundance Ion 84.90 (84.60 to 85.60): VW

Ion 86.90 (86.60 to 87.60): VW





#3

Chloromethane

Concen: 50.865 ug/l

RT: 2.22 min Scan# 52

Delta R.T. 0.00 min

Lab File: VW008060.D

Acq: 04 Jan 2019 21:13

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

Tot Ion: 50 Resp: 24258

Ion Ratio Lower Upper

50 100

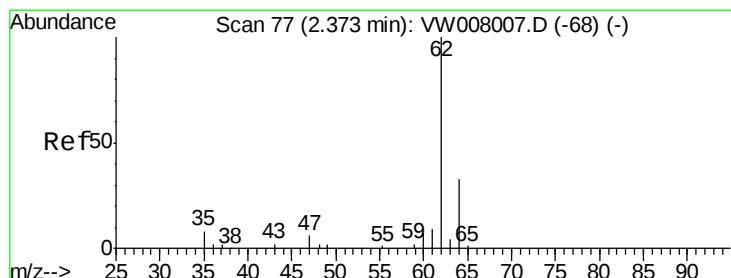
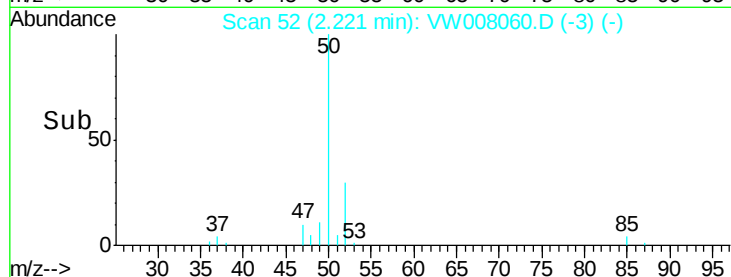
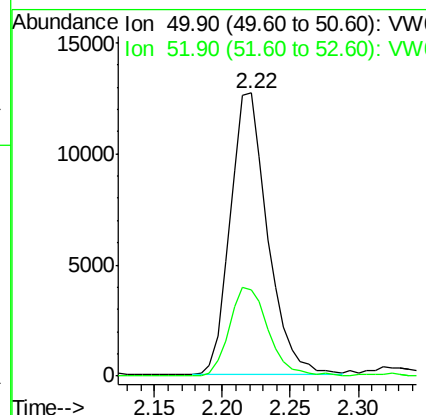
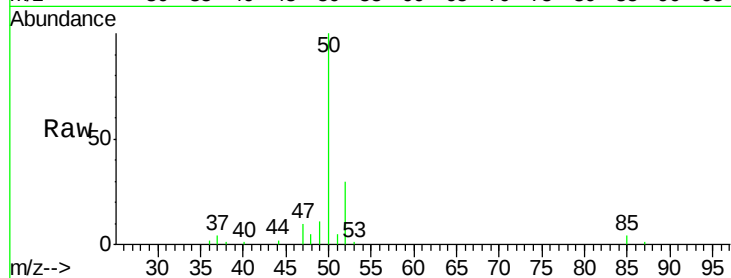
52 30.6 26.8 40.2

Manual Integrations

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#4

Vinyl Chloride

Concen: 53.411 ug/l

RT: 2.37 min Scan# 76

Delta R.T. -0.01 min

Lab File: VW008060.D

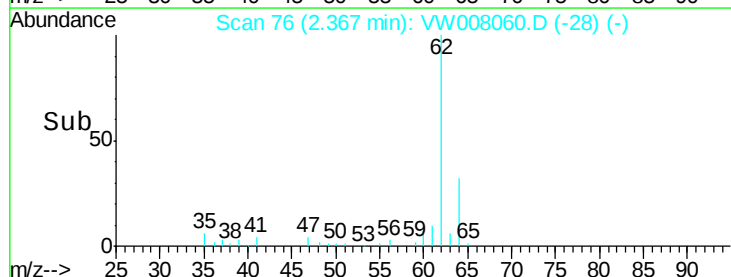
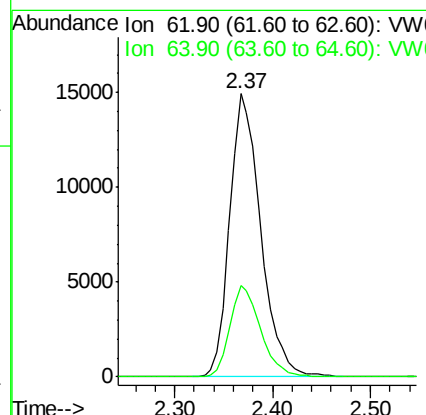
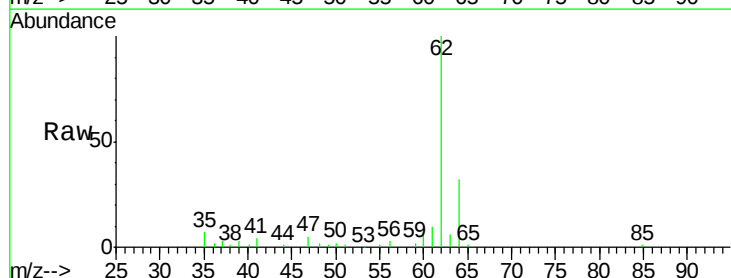
Acq: 04 Jan 2019 21:13

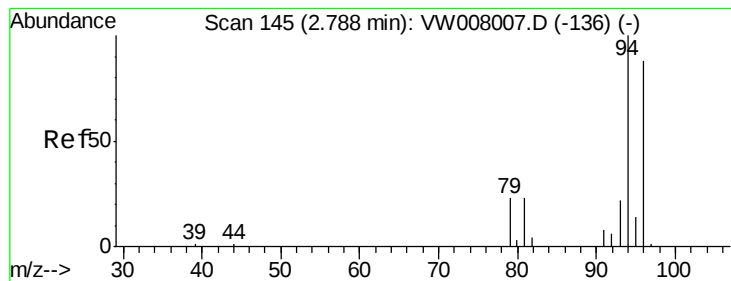
Tgt Ion: 62 Resp: 32898

Ion Ratio Lower Upper

62 100

64 32.4 26.8 40.2





#5

Bromomethane

Concen: 55.279 ug/l

RT: 2.79 min Scan# 145

Delta R.T. 0.00 min

Lab File: VW008060.D

Acq: 04 Jan 2019 21:13

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

Tot Ion: 94 Resp: 21632

Ion Ratio Lower Upper

94 100

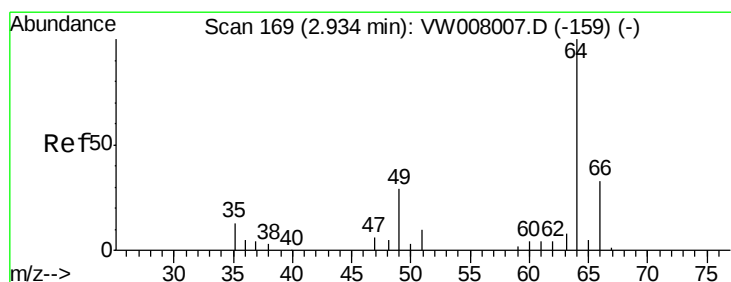
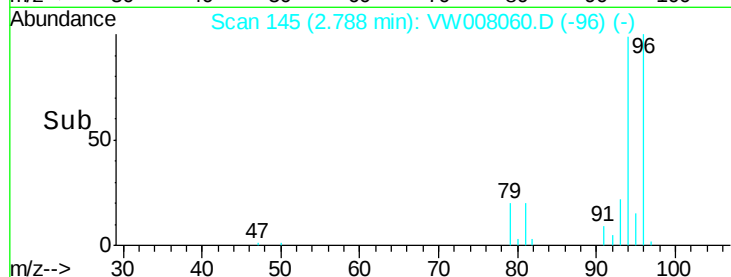
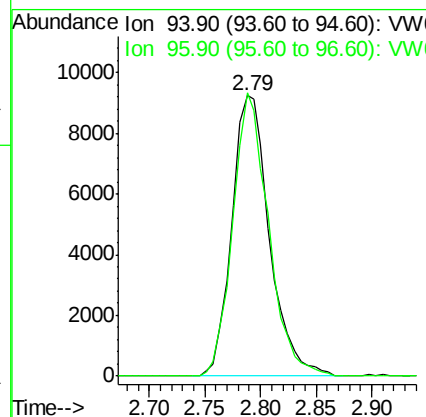
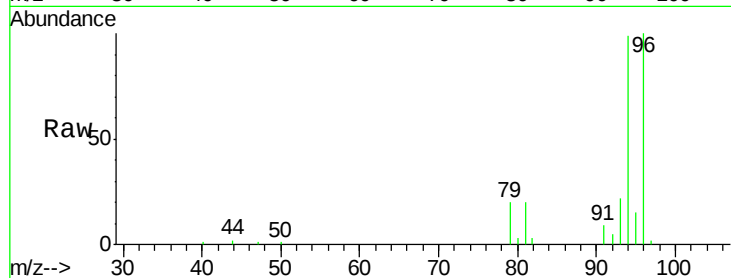
96 100.9 70.7 106.1

Manual Integrations

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#6

Chloroethane

Concen: 57.374 ug/l

RT: 2.93 min Scan# 169

Delta R.T. 0.00 min

Lab File: VW008060.D

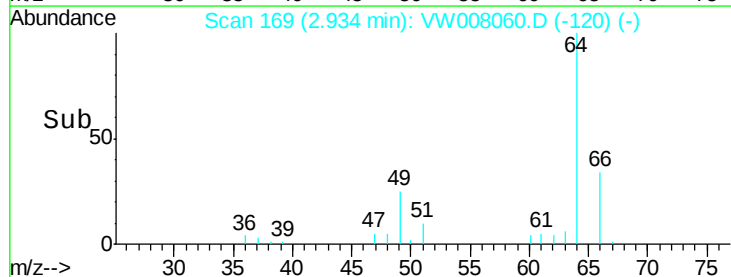
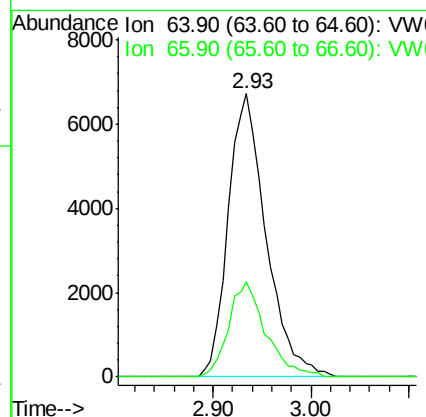
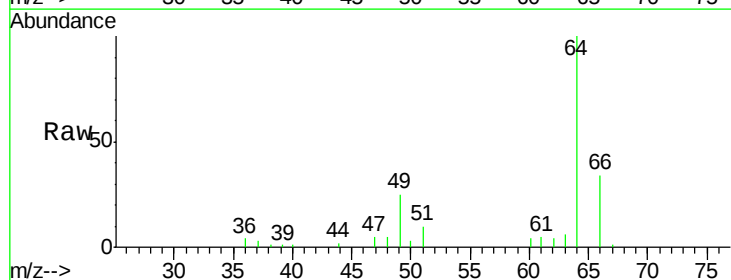
Acq: 04 Jan 2019 21:13

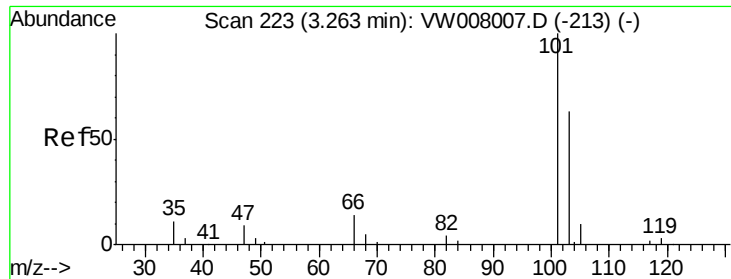
Tgt Ion: 64 Resp: 18062

Ion Ratio Lower Upper

64 100

66 33.7 26.6 39.8





#7

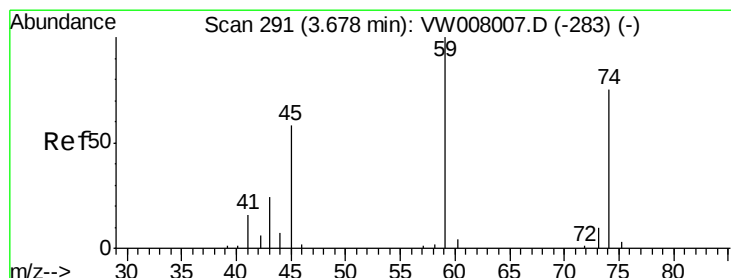
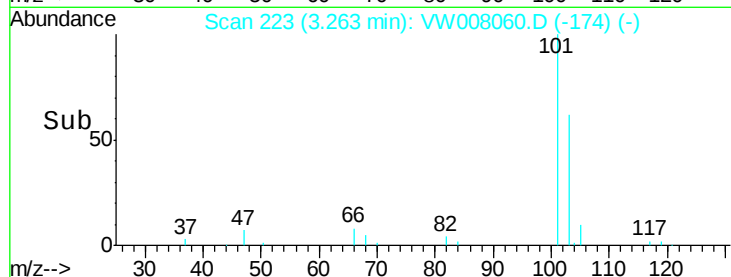
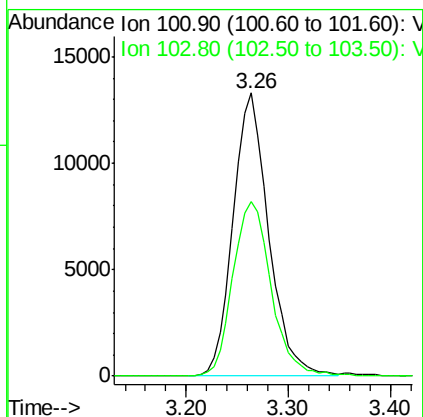
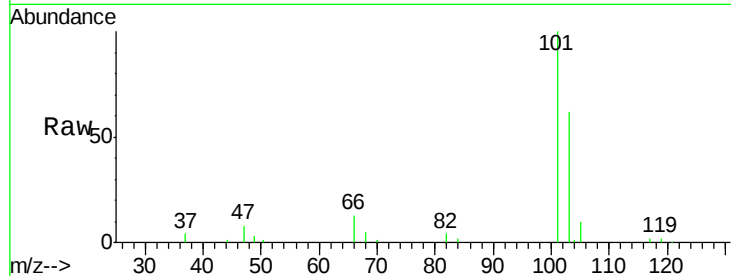
Trichlorofluoromethane
Concen: 52.054 ug/l
RT: 3.26 min Scan# 223
Delta R.T. 0.00 min
Lab File: VW008060.D
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Tot Ion	Ion	Ratio	Resp	Lower	Upper
101	100		32184		
103	61.8	50.5	75.7		

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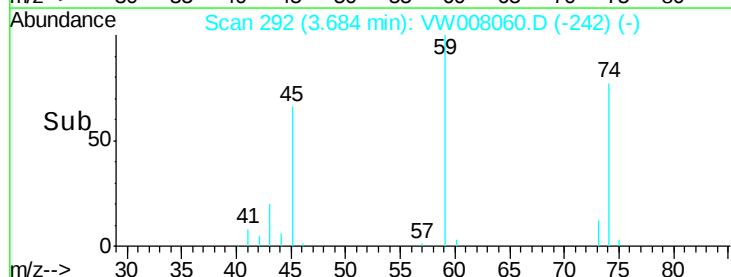
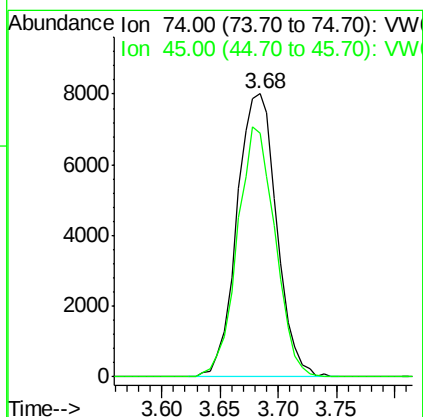
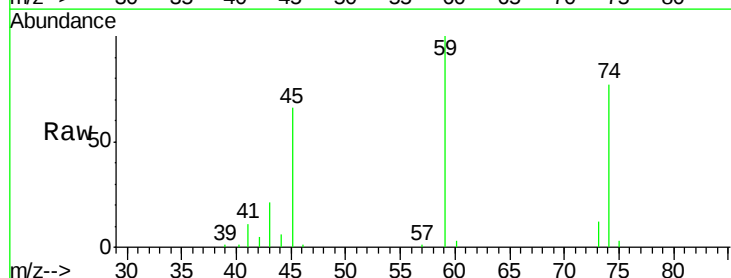
MMDadoda
1/7/2019 1:23:06 PM

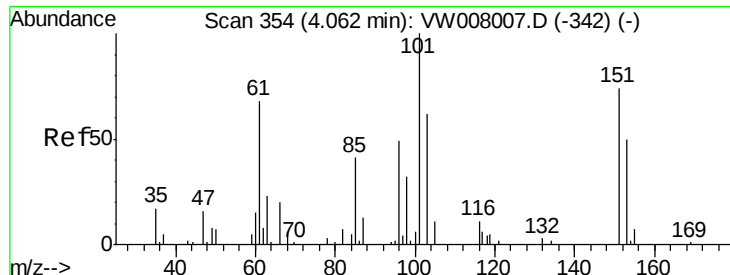


#8

Diethyl Ether
Concen: 59.776 ug/l
RT: 3.68 min Scan# 292
Delta R.T. 0.01 min
Lab File: VW008060.D
Acq: 04 Jan 2019 21:13

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
74	100		18983		
45	84.4	41.4	124.2		





#9

1,1,2-Trichlorotrifluoroethane

Concen: 51.372 ug/l

RT: 4.06 min Scan# 354

Delta R.T. 0.00 min

Lab File: VW008060.D

Acq: 04 Jan 2019 21:13

Instrument :

MSVOA_W

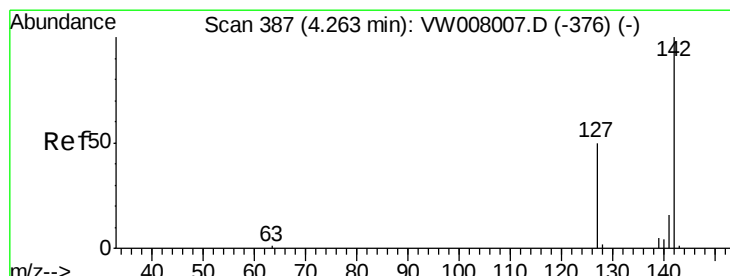
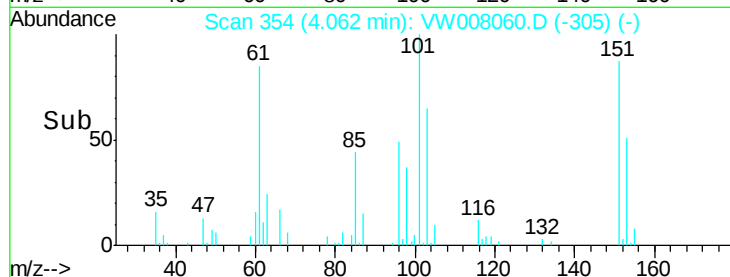
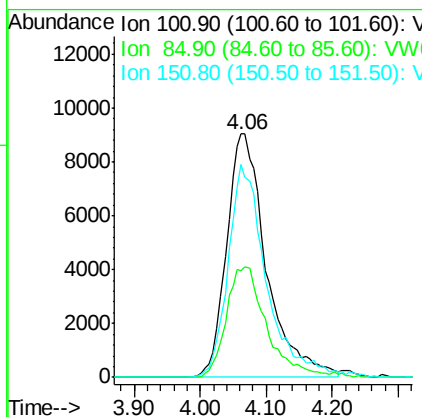
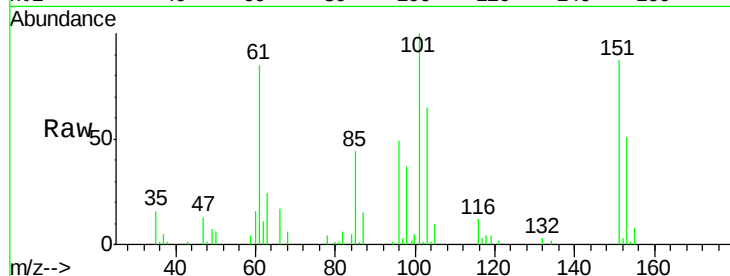
ClientSampleId :

VSTDCCC050EC

Tot Ion:	101	Resp:	37746
Ion Ratio	Lower	Upper	
101	100		
85	45.8	35.1	52.7
151	83.8	65.3	97.9

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#10

Methyl Iodide

Concen: 54.458 ug/l

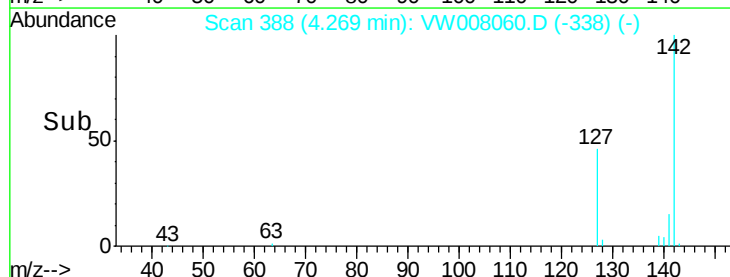
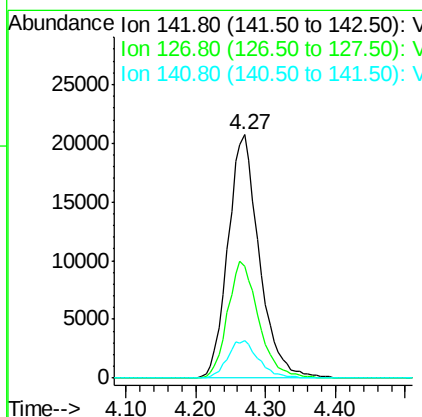
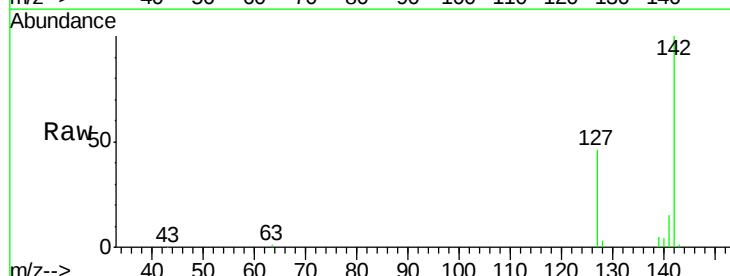
RT: 4.27 min Scan# 388

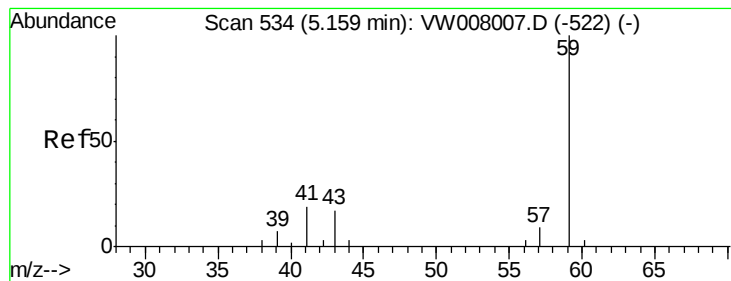
Delta R.T. 0.01 min

Lab File: VW008060.D

Acq: 04 Jan 2019 21:13

Tgt Ion:	142	Resp:	64374
Ion Ratio	Lower	Upper	
142	100		
127	47.2	39.4	59.0
141	15.2	12.1	18.1





#11

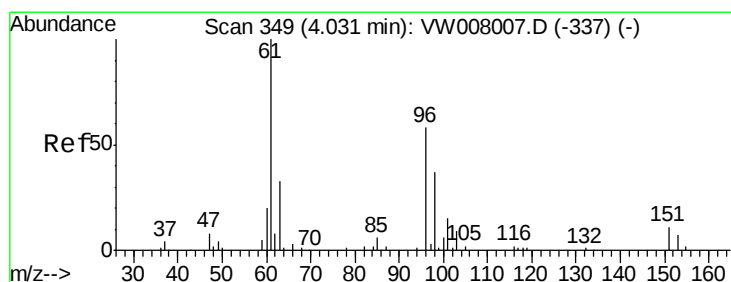
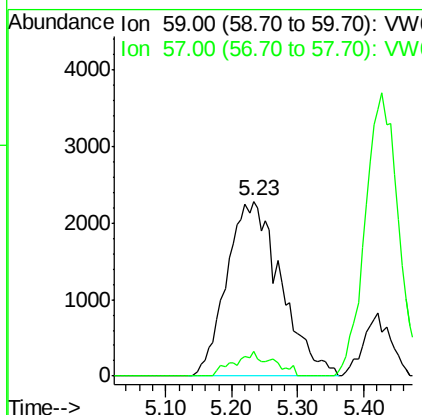
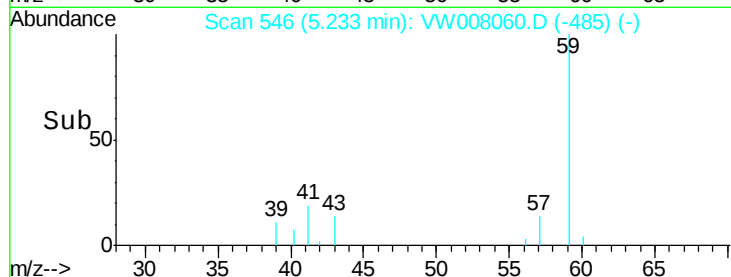
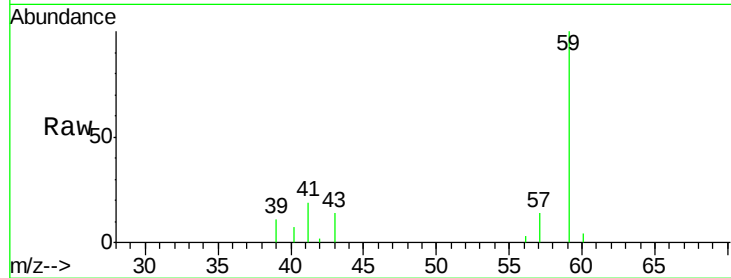
Tert butyl alcohol
Concen: 257.877 ug/l
RT: 5.23 min Scan# 546
Delta R.T. 0.07 min
Lab File: VW008060.D
Acq: 04 Jan 2019 21:13

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ion	Ratio	Resp	Lower	Upper
59	59	100	12981		
57	57	6.5		9.0	13.4#

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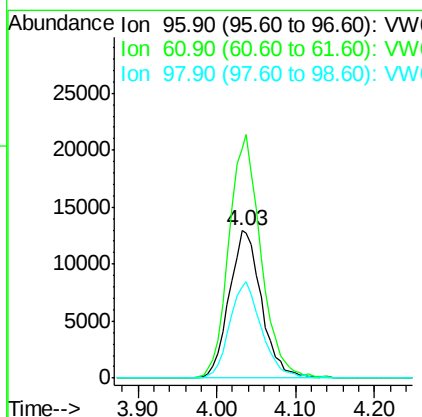
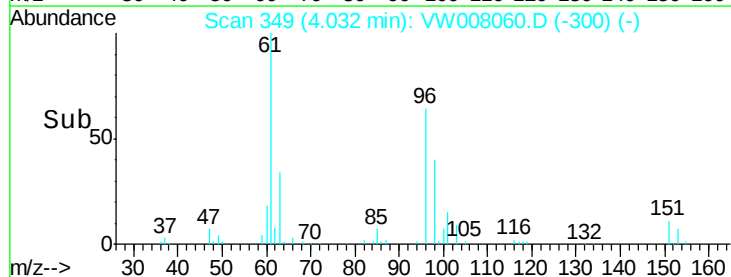
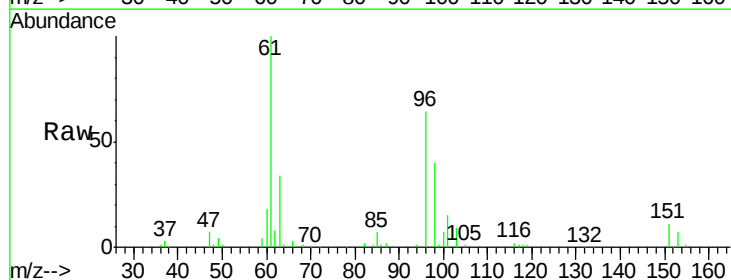
MMDadoda
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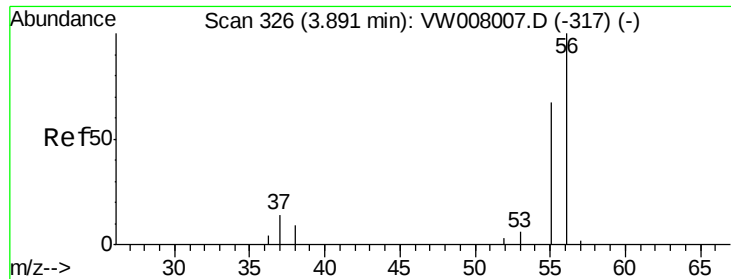


#12

1,1-Dichloroethene
Concen: 52.513 ug/l
RT: 4.03 min Scan# 349
Delta R.T. 0.00 min
Lab File: VW008060.D
Acq: 04 Jan 2019 21:13

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
96	96	100	36933		
61	61	156.1		137.3	205.9
98	98	61.9		50.5	75.7





#13

Acrolein

Concen: 282.381 ug/l

RT: 3.90 min Scan# 327

Delta R.T. 0.01 min

Lab File: VW008060.D

Acq: 04 Jan 2019 21:13

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

Tot Ion: 56 Resp: 9631

Ion Ratio Lower Upper

56 100

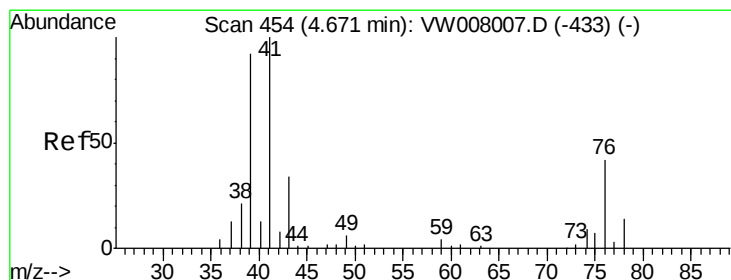
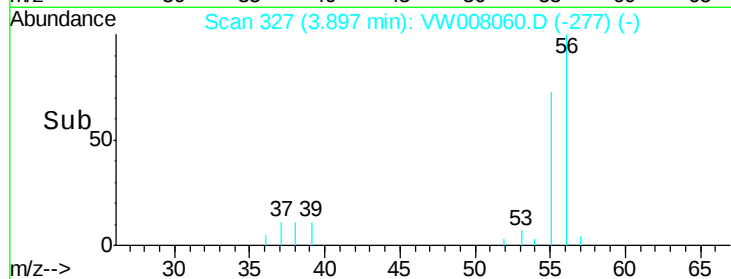
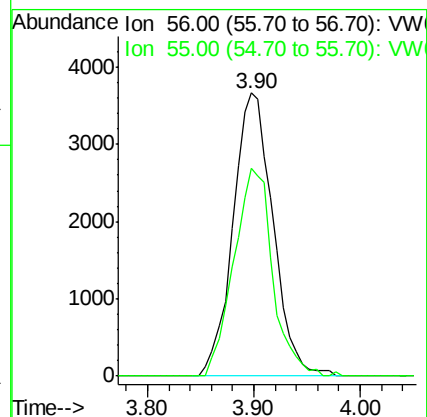
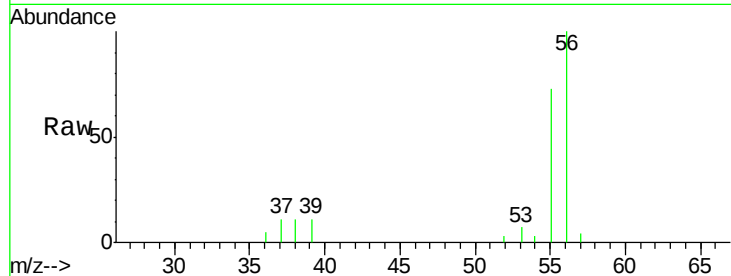
55 71.3 57.3 85.9

Manual Integrations

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#14

Allyl chloride

Concen: 56.198 ug/l

RT: 4.67 min Scan# 453

Delta R.T. -0.01 min

Lab File: VW008060.D

Acq: 04 Jan 2019 21:13

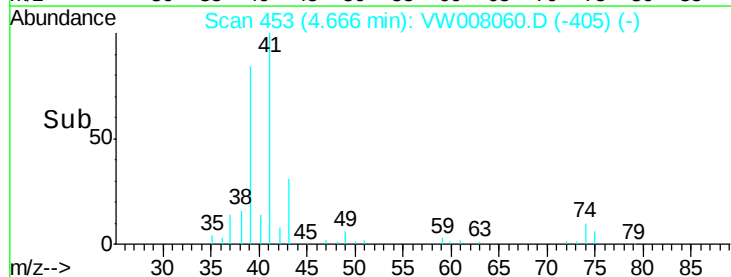
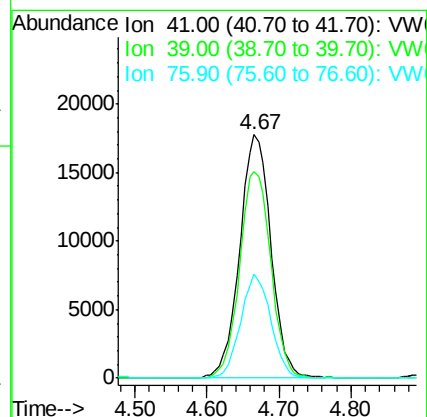
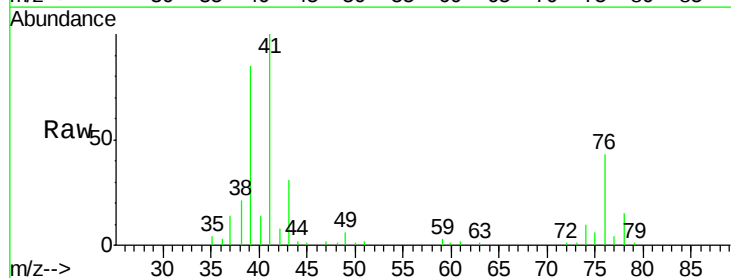
Tgt Ion: 41 Resp: 53547

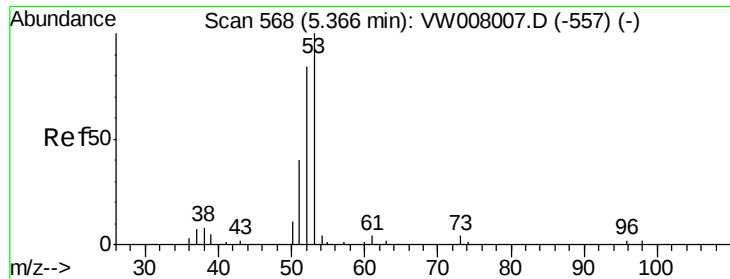
Ion Ratio Lower Upper

41 100

39 84.7 71.1 106.7

76 41.0 33.4 50.2





#15

Acrylonitrile

Concen: 300.072 ug/l

RT: 5.38 min Scan# 570

Delta R.T. 0.01 min

Lab File: VW008060.D

Acq: 04 Jan 2019 21:13

Instrument :

MSVOA_W

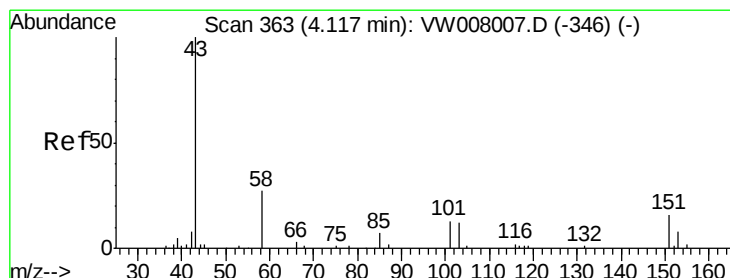
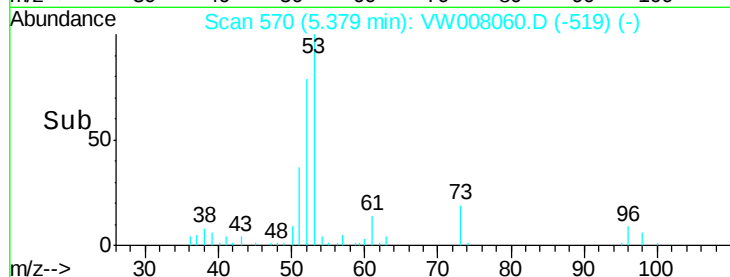
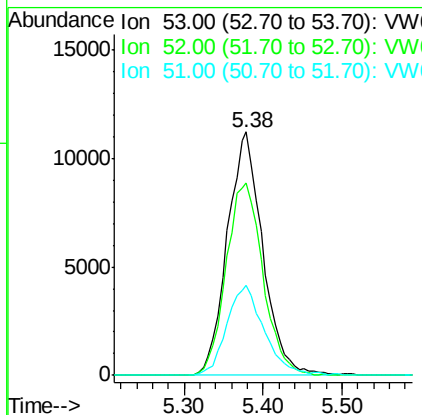
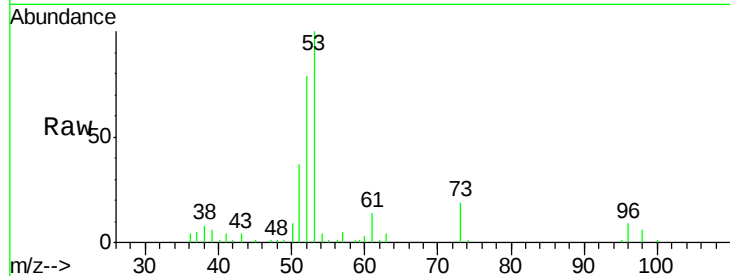
ClientSampleId :

VSTDCCC050EC

Tot Ion:	53	Resp:	35049
Ion	Ratio	Lower	Upper
53	100		
52	81.9	67.8	101.8
51	38.9	31.5	47.3

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#16

Acetone

Concen: 266.870 ug/l

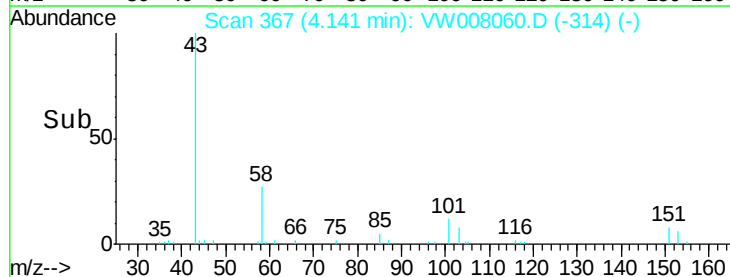
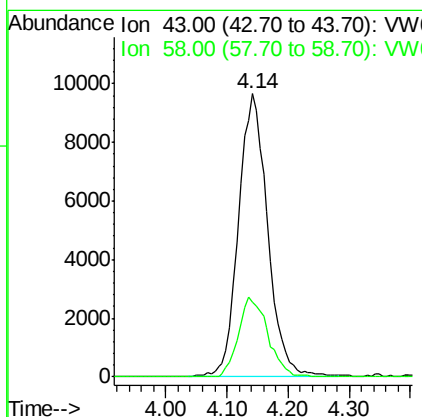
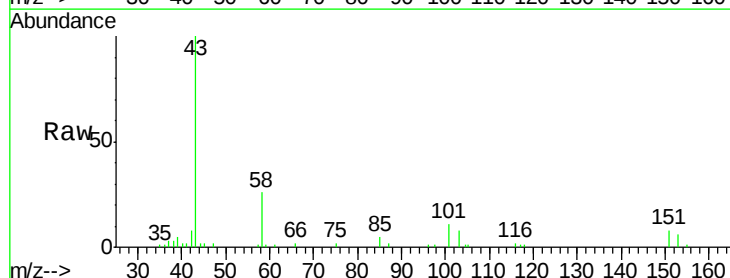
RT: 4.14 min Scan# 367

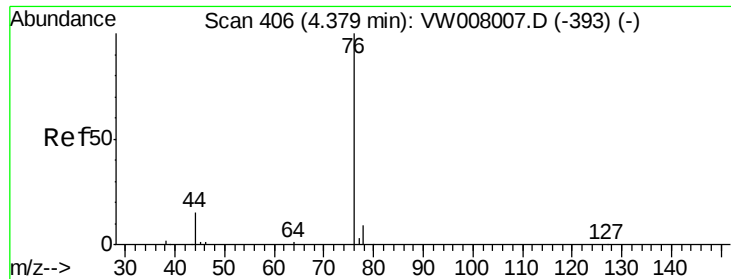
Delta R.T. 0.02 min

Lab File: VW008060.D

Acq: 04 Jan 2019 21:13

Tgt Ion:	43	Resp:	32008
Ion	Ratio	Lower	Upper
43	100		
58	26.4	21.7	32.5





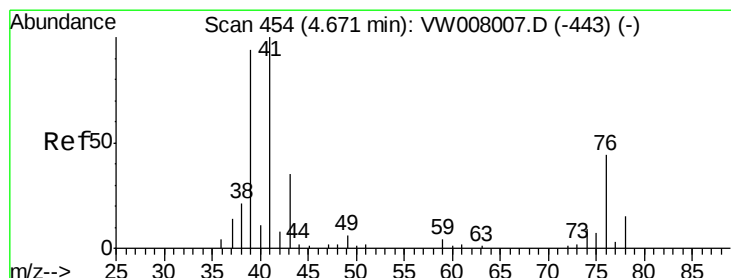
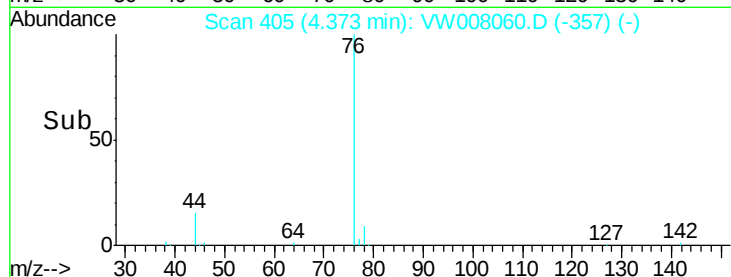
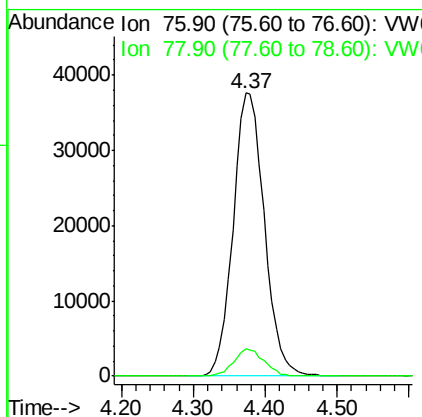
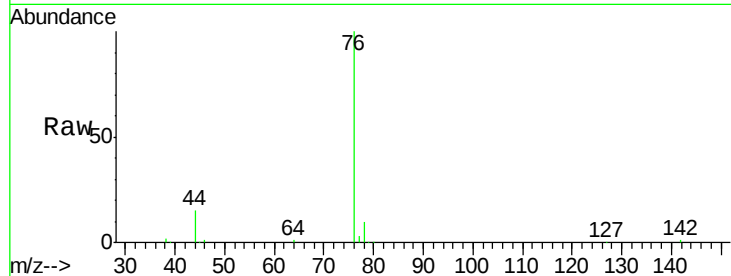
#17
Carbon Disulfide
Concen: 52.701 ug/l
RT: 4.37 min Scan# 405
Delta R.T. -0.01 min
Lab File: VW008060.D
Acq: 04 Jan 2019 21:13

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
76	100		
78	9.8	7.0	10.4

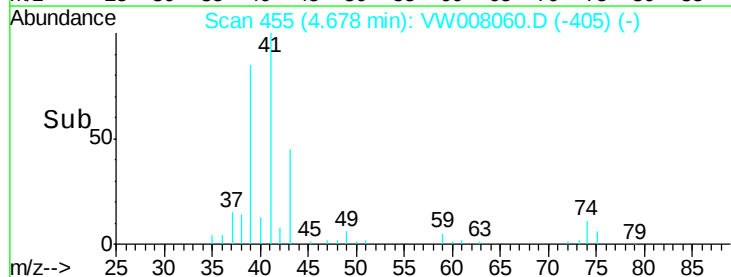
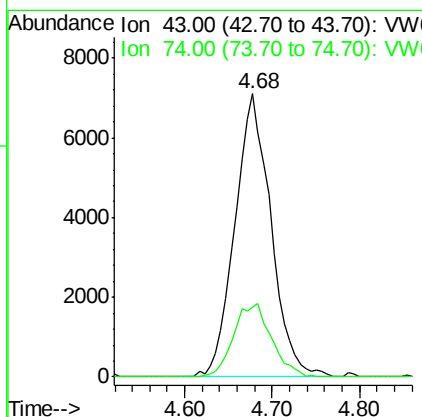
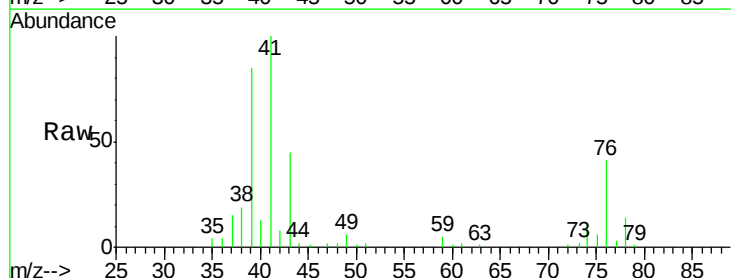
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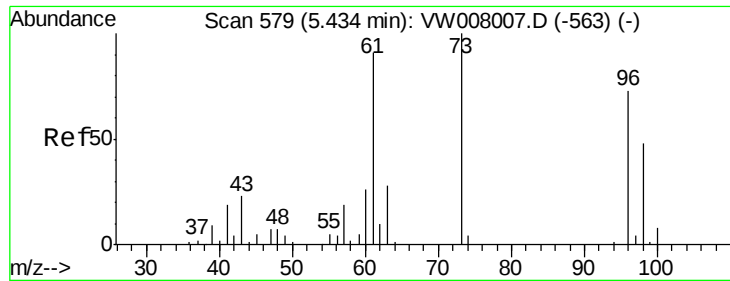
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#18
Methyl Acetate
Concen: 65.747 ug/l
RT: 4.68 min Scan# 455
Delta R.T. 0.01 min
Lab File: VW008060.D
Acq: 04 Jan 2019 21:13

Tgt Ion	Ratio	Lower	Upper
43	100		
74	27.0	21.4	32.2





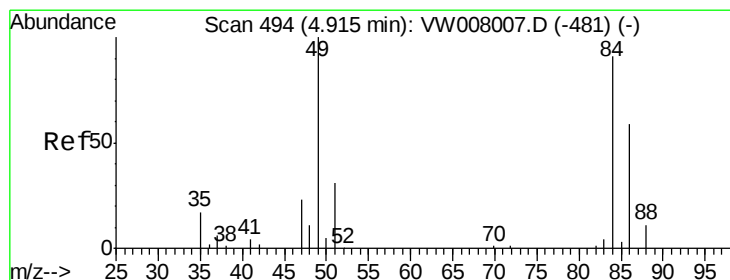
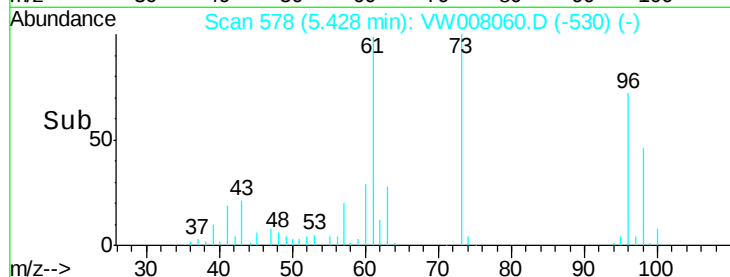
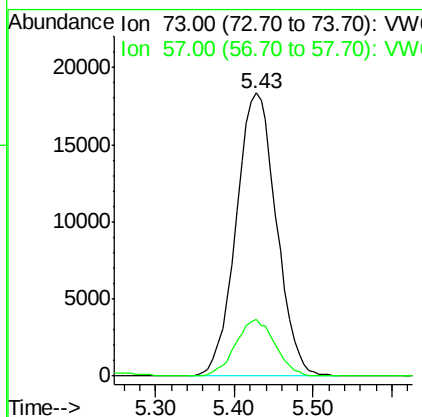
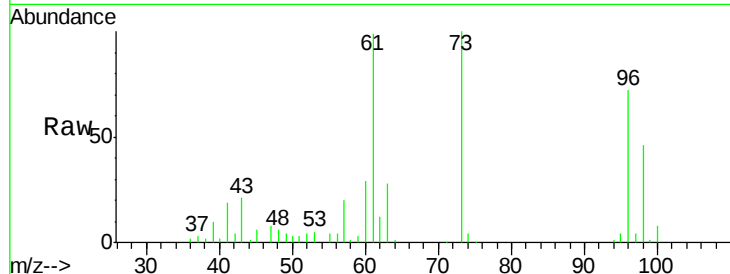
#19
Methyl tert-butyl Ether
Concen: 58.707 ug/l
RT: 5.43 min Scan# 578
Delta R.T. -0.01 min
Lab File: VW008060.D
Acq: 04 Jan 2019 21:13

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tot Ion: 73 Resp: 64979
Ion Ratio Lower Upper
73 100
57 20.2 15.4 23.0

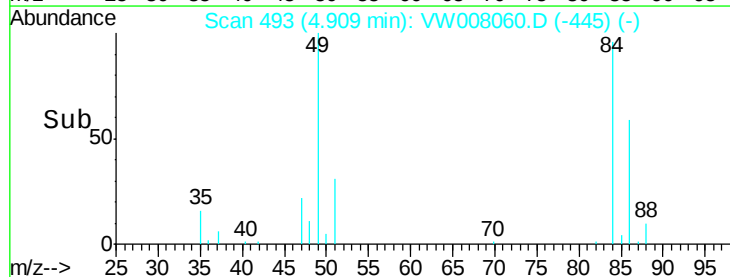
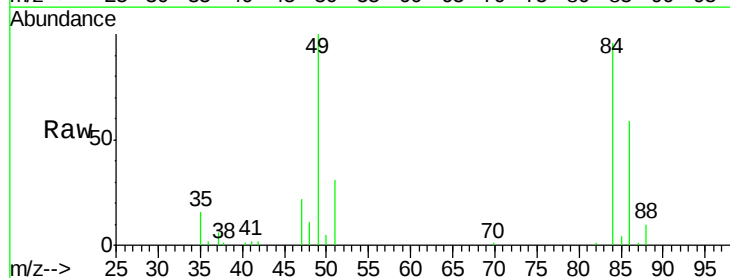
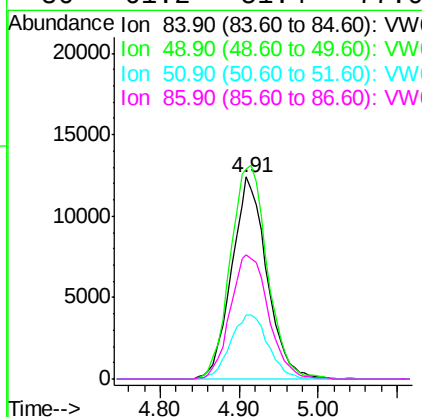
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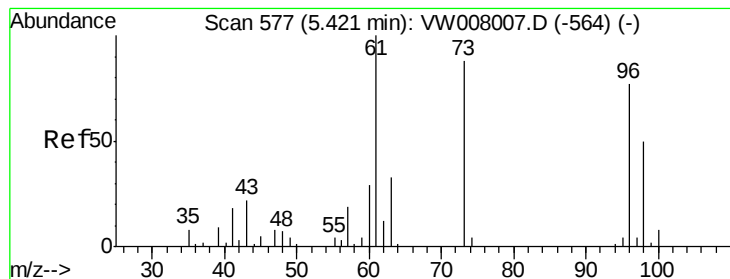
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#20
Methylene Chloride
Concen: 51.892 ug/l
RT: 4.91 min Scan# 493
Delta R.T. -0.01 min
Lab File: VW008060.D
Acq: 04 Jan 2019 21:13

Tgt Ion: 84 Resp: 38316
Ion Ratio Lower Upper
84 100
49 103.9 87.7 131.5
51 31.8 27.3 40.9
86 61.2 51.4 77.0





#21

trans-1,2-Dichloroethene

Concen: 52.642 ug/l

RT: 5.42 min Scan# 577

Delta R.T. 0.00 min

Lab File: VW008060.D

Acq: 04 Jan 2019 21:13

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

Tot Ion: 96 Resp: 40282

Ion Ratio Lower Upper

96 100

61 138.1 104.2 156.2

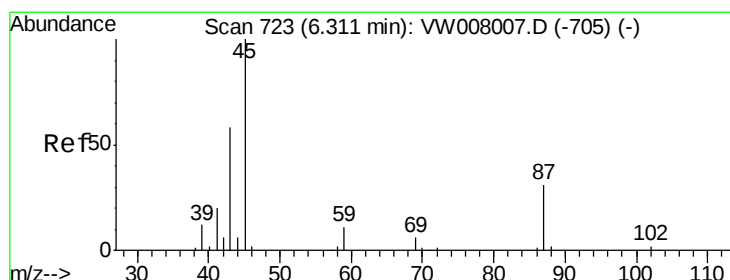
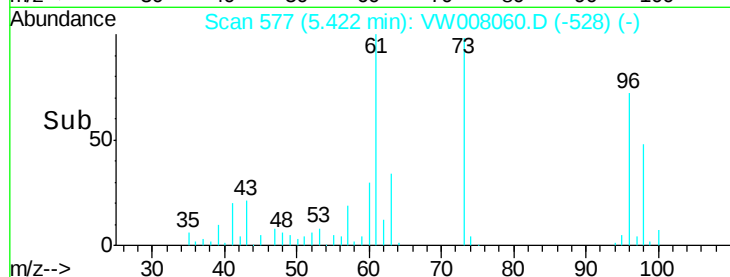
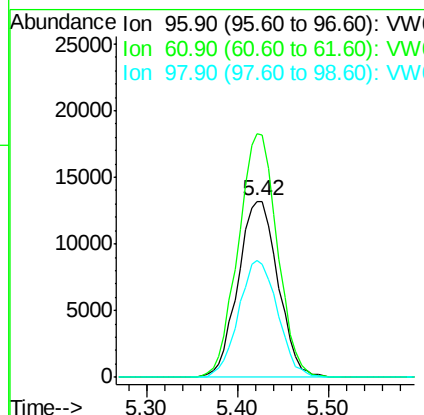
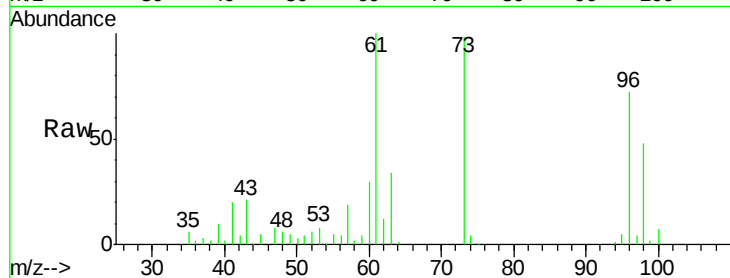
98 66.2 51.8 77.6

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#22

Diisopropyl ether

Concen: 58.216 ug/l

RT: 6.31 min Scan# 723

Delta R.T. 0.00 min

Lab File: VW008060.D

Acq: 04 Jan 2019 21:13

Tgt Ion: 45 Resp: 99562

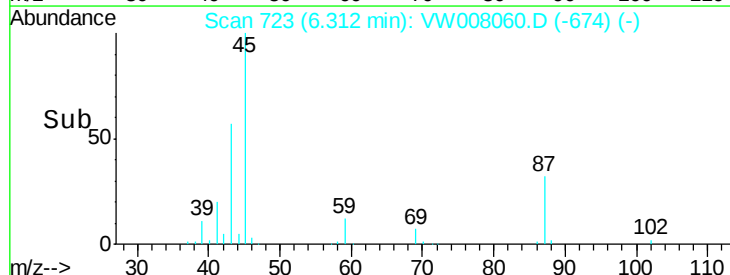
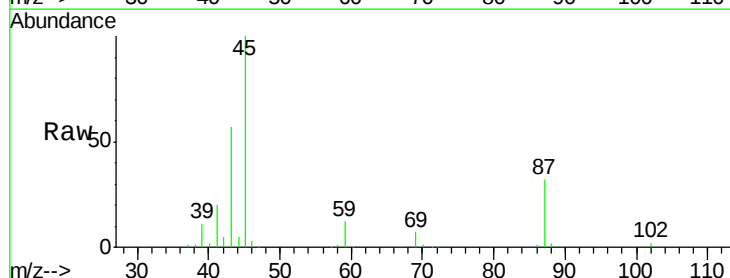
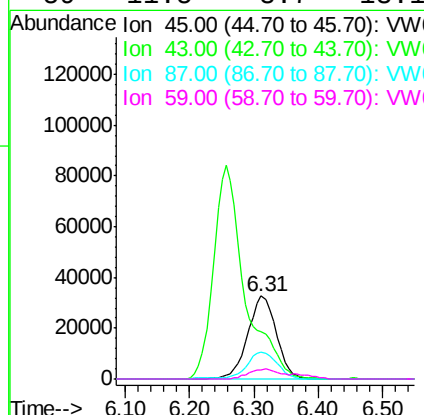
Ion Ratio Lower Upper

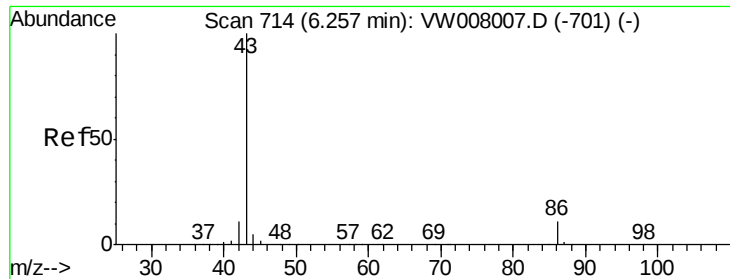
45 100

43 56.6 48.1 72.1

87 32.1 25.8 38.8

59 11.5 8.7 13.1





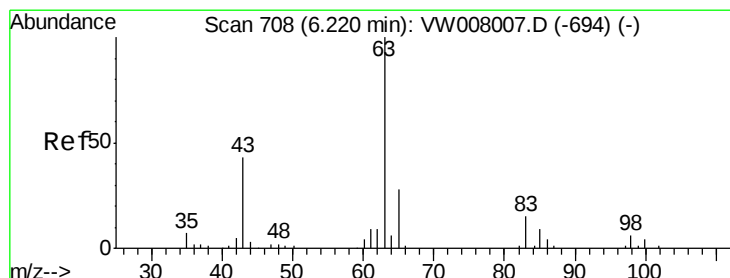
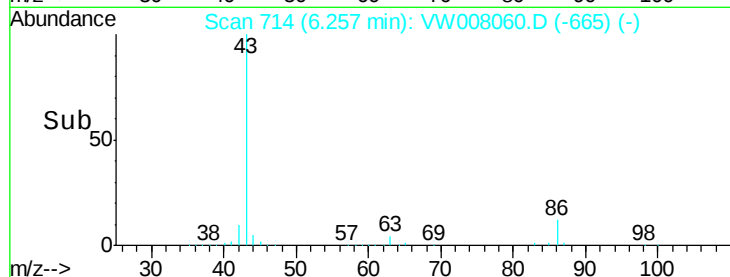
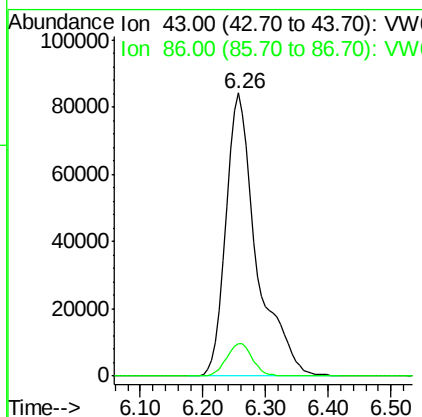
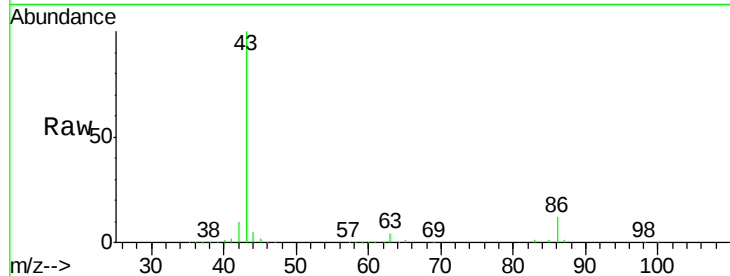
#23
 Vinyl Acetate
 Concen: 298.420 ug/l
 RT: 6.26 min Scan# 714
 Delta R.T. 0.00 min
 Lab File: VW008060.D
 Acq: 04 Jan 2019 21:13

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	43	Resp	285549
Ion Ratio	Lower	Upper	
43	100		
86	11.6	8.8	13.2

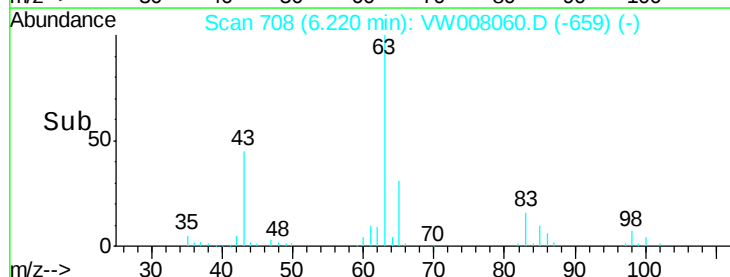
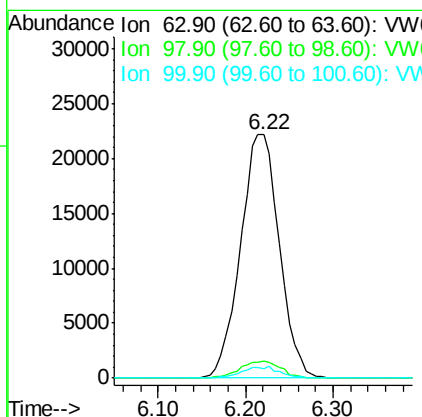
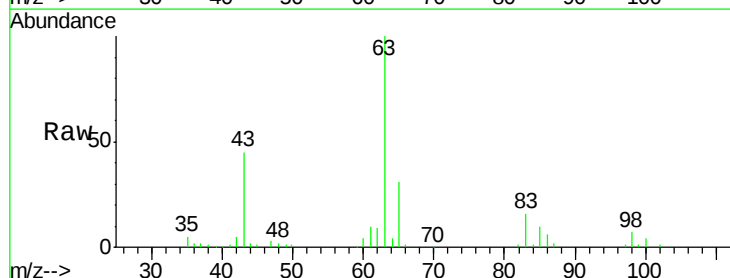
Manual Integrations
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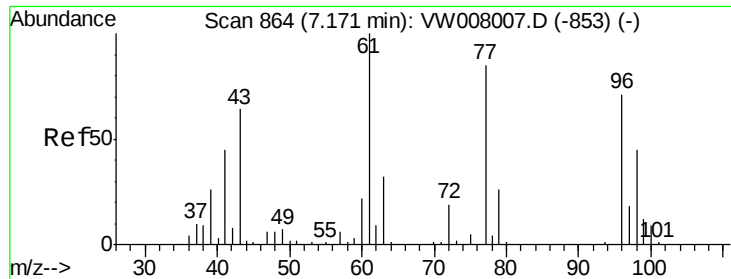
MMDadoda
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#24
 1,1-Dichloroethane
 Concen: 53.755 ug/l
 RT: 6.22 min Scan# 708
 Delta R.T. 0.00 min
 Lab File: VW008060.D
 Acq: 04 Jan 2019 21:13

Tgt Ion	63	Resp	68307
Ion Ratio	Lower	Upper	
63	100		
98	7.0	3.2	9.6
100	3.9	2.1	6.2





#25

2-Butanone

Concen: 296.490 ug/l

RT: 7.18 min Scan# 865

Delta R.T. 0.01 min

Lab File: VW008060.D

Acq: 04 Jan 2019 21:13

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

Tot Ion: 43 Resp: 41898

Ion Ratio Lower Upper

43 100

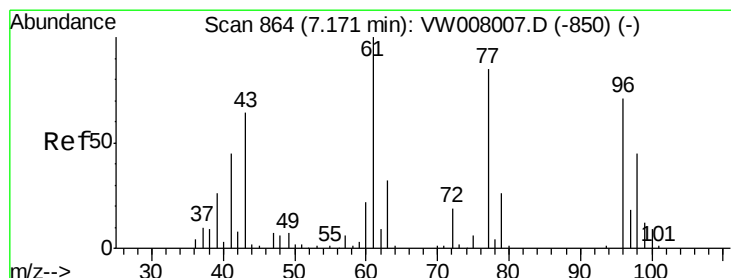
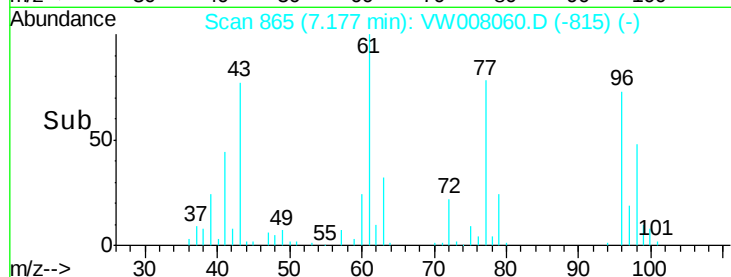
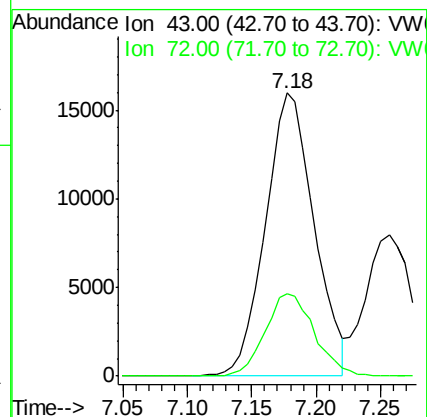
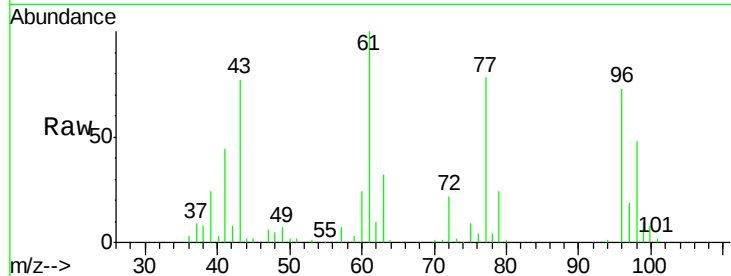
72 29.2 23.8 35.8

Manual Integrations

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1/7/2019 1:23:06 PM



#26

2,2-Dichloropropane

Concen: 51.013 ug/l

RT: 7.17 min Scan# 864

Delta R.T. 0.00 min

Lab File: VW008060.D

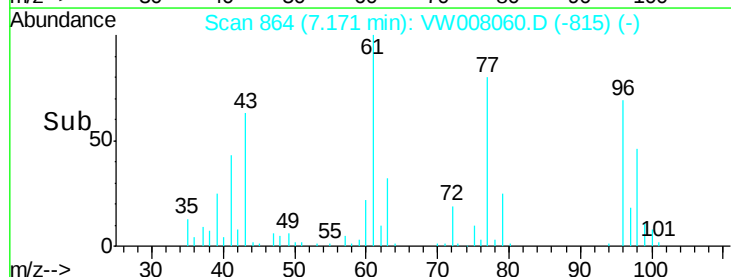
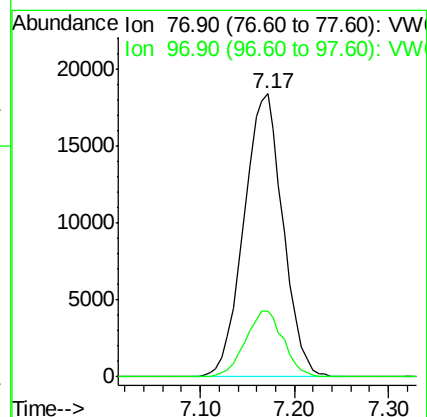
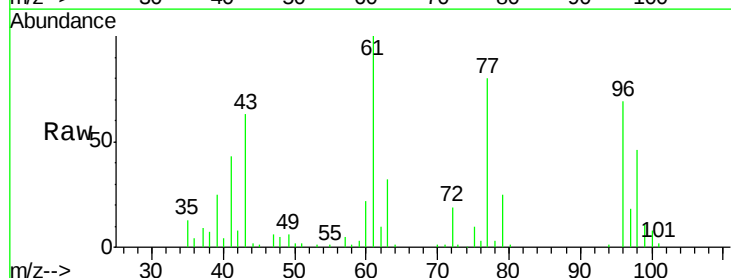
Acq: 04 Jan 2019 21:13

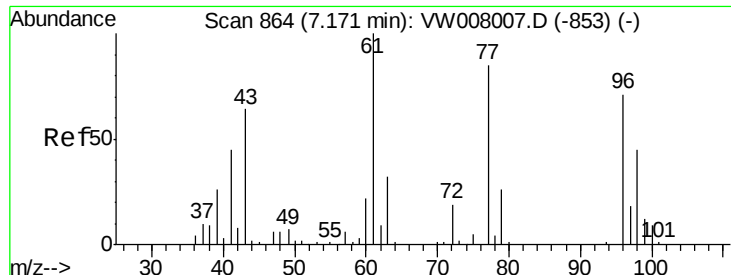
Tgt Ion: 77 Resp: 53406

Ion Ratio Lower Upper

77 100

97 22.7 11.0 33.0





#27

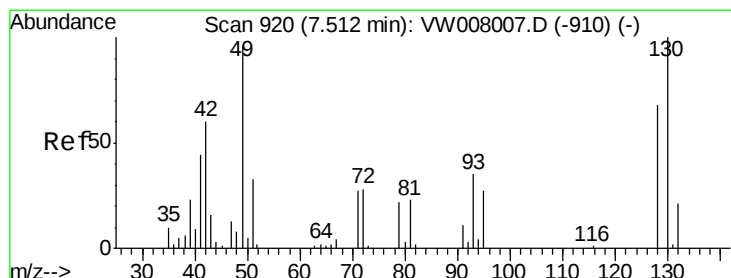
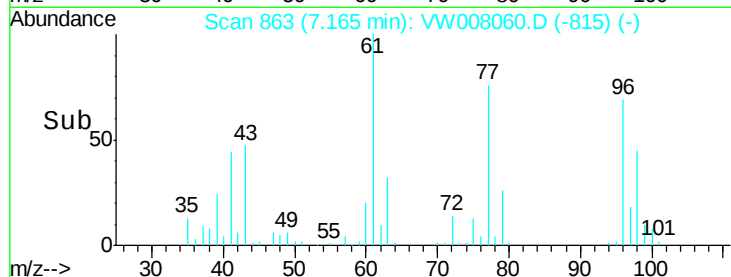
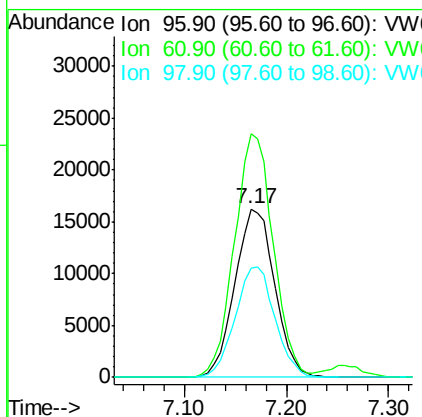
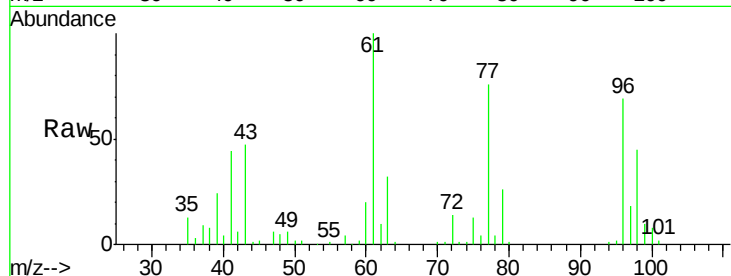
cis-1,2-Dichloroethene
Concen: 53.827 ug/l
RT: 7.17 min Scan# 863
Delta R.T. -0.01 min
Lab File: VW008060.D
Acq: 04 Jan 2019 21:13

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
96	100		
61	141.5	0.0	286.4
98	65.6	0.0	130.6

Manual Integrations
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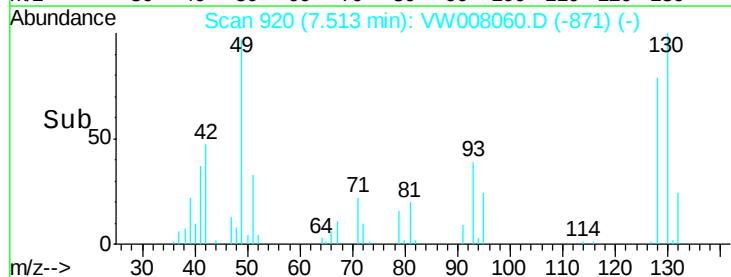
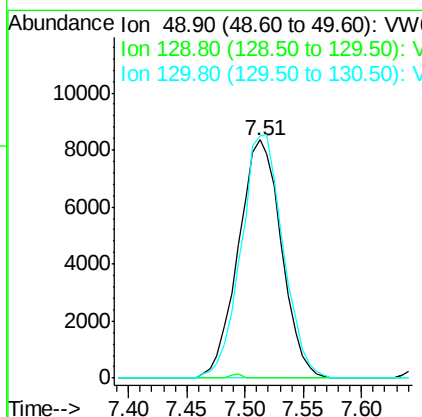
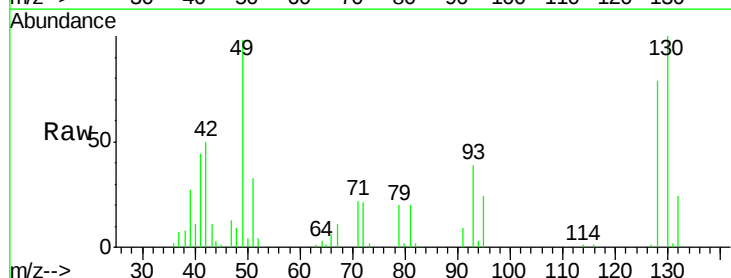
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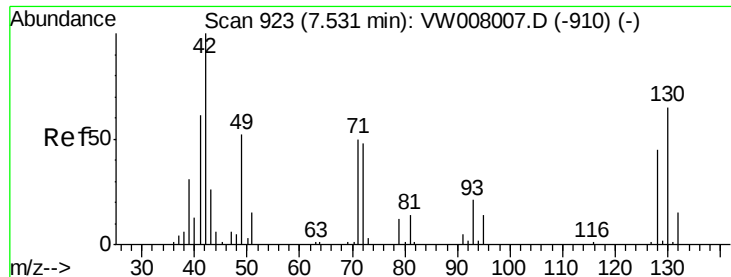


#28

Bromochloromethane
Concen: 52.453 ug/l
RT: 7.51 min Scan# 920
Delta R.T. 0.00 min
Lab File: VW008060.D
Acq: 04 Jan 2019 21:13

Tgt Ion	Ratio	Lower	Upper
49	100		
129	0.0	0.0	0.8
130	100.1	78.5	117.7





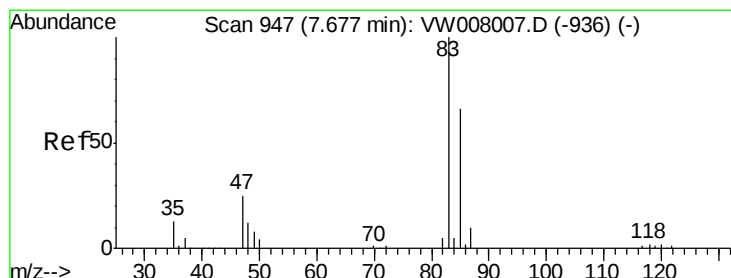
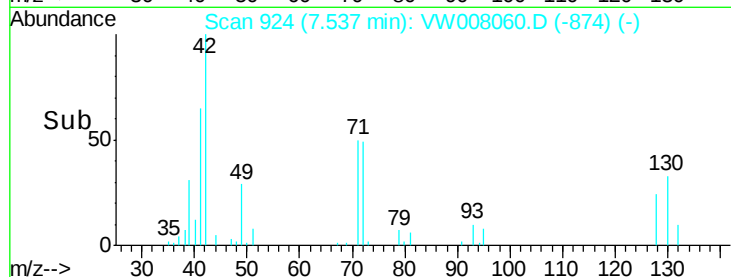
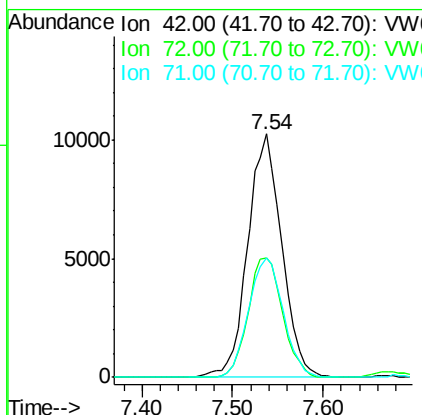
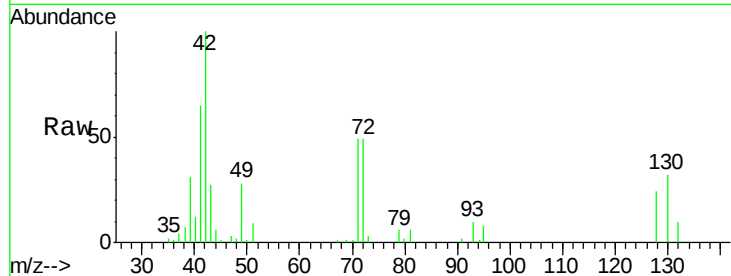
#29
Tetrahydrofuran
Concen: 303.212 ug/l
RT: 7.54 min Scan# 924
Delta R.T. 0.01 min
Lab File: VW008060.D
Acq: 04 Jan 2019 21:13

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
42	100		
72	49.5	39.0	58.6
71	49.7	39.1	58.7

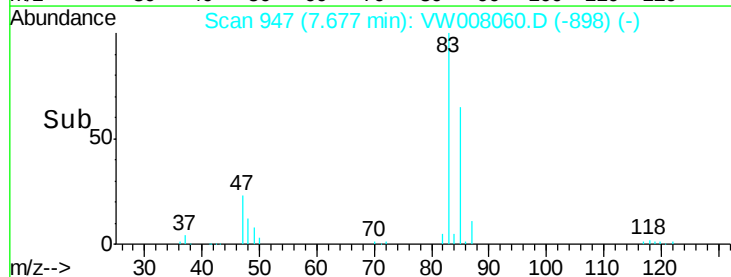
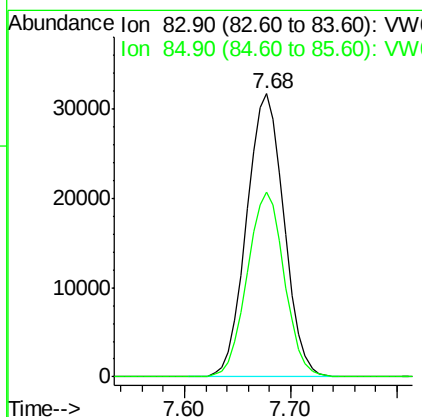
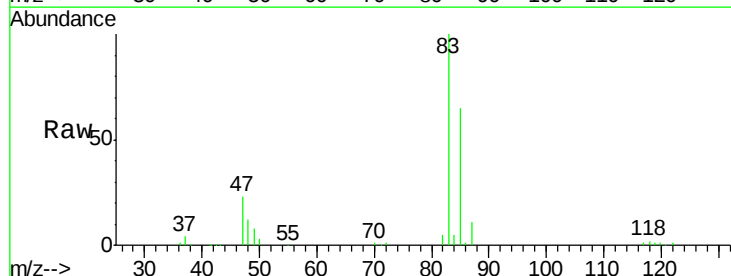
Manual Integrations
APPROVED

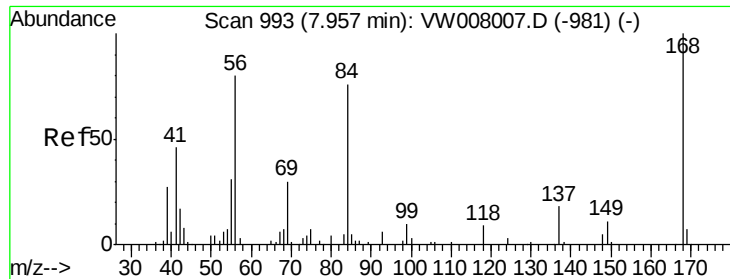
MMDadoda
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#30
Chloroform
Concen: 54.849 ug/l
RT: 7.68 min Scan# 947
Delta R.T. 0.00 min
Lab File: VW008060.D
Acq: 04 Jan 2019 21:13

Tgt Ion	Ratio	Lower	Upper
83	100		
85	65.2	52.7	79.1





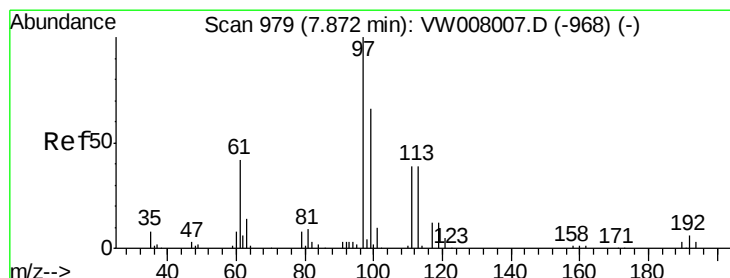
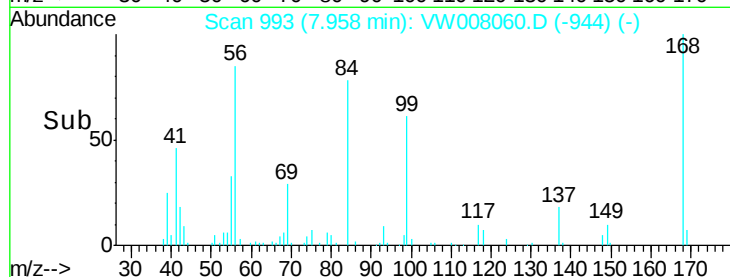
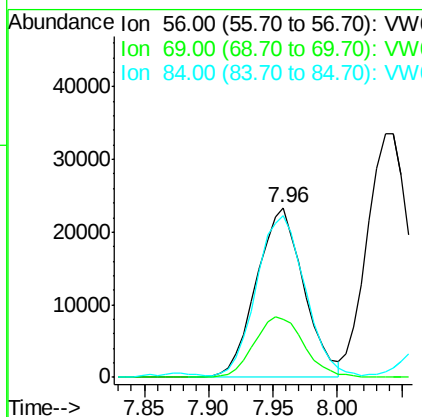
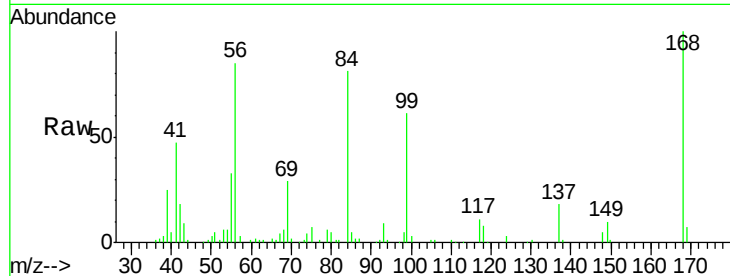
#31
Cyclohexane
Concen: 50.357 ug/l
RT: 7.96 min Scan# 993
Delta R.T. 0.00 min
Lab File: VW008060.D
Acq: 04 Jan 2019 21:13

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
56	100		
69	33.9	29.8	44.6
84	93.4	75.2	112.8

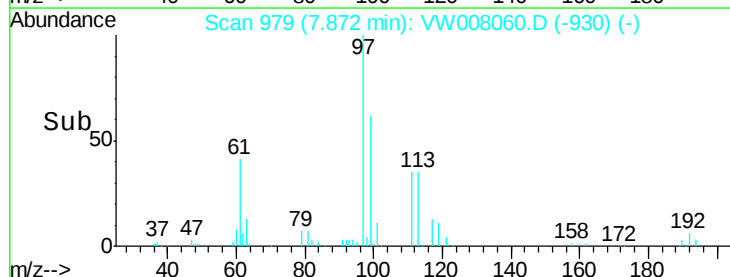
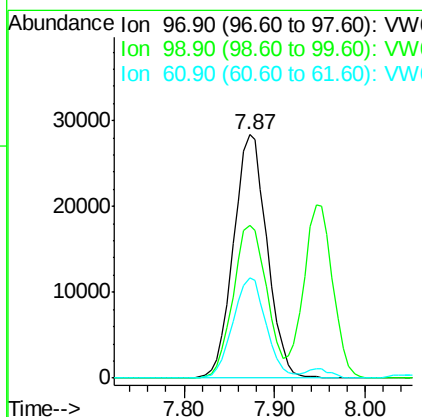
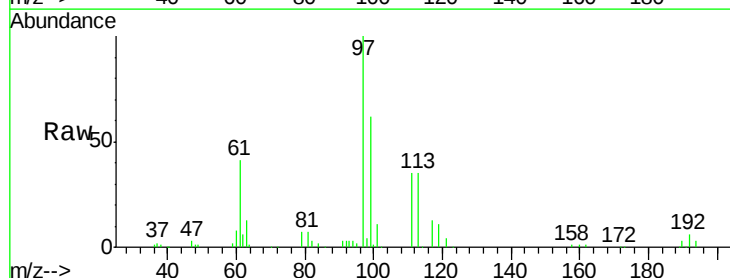
Manual Integrations
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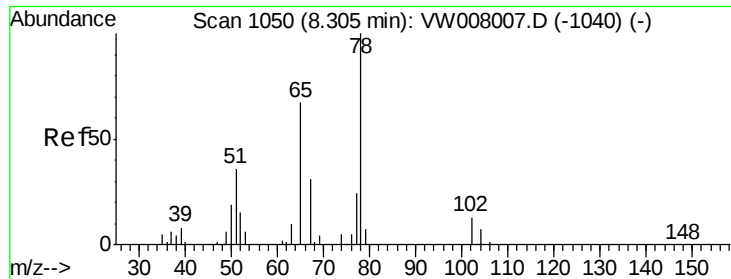
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#32
1,1,1-Trichloroethane
Concen: 53.246 ug/l
RT: 7.87 min Scan# 979
Delta R.T. 0.00 min
Lab File: VW008060.D
Acq: 04 Jan 2019 21:13

Tgt Ion	Ratio	Lower	Upper
97	100		
99	63.0	51.5	77.3
61	40.6	33.4	50.0





#33

1,2-Dichloroethane-d4

Concen: 47.952 ug/l

RT: 8.31 min Scan# 1050

Delta R.T. 0.00 min

Lab File: VW008060.D

Acq: 04 Jan 2019 21:13

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

Tot Ion: 65 Resp: 37154

Ion Ratio Lower Upper

65 100

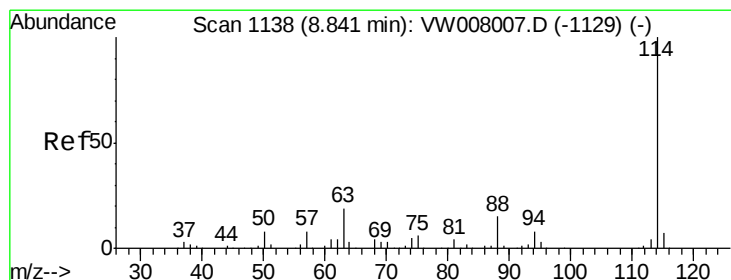
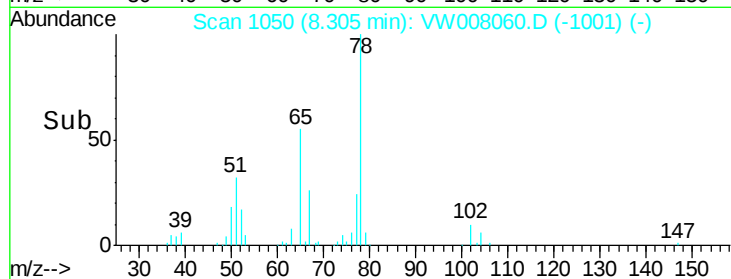
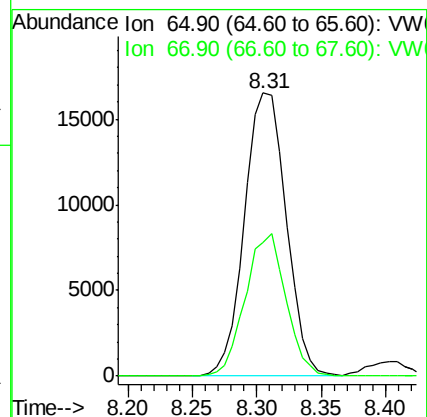
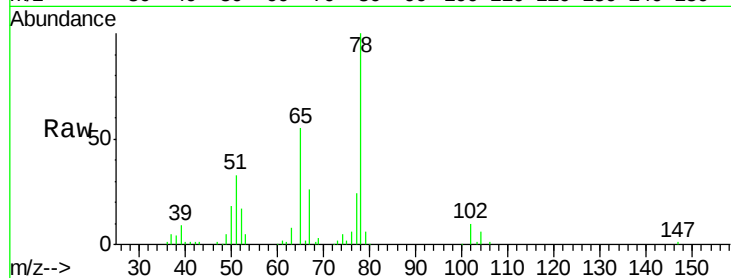
67 48.9 0.0 94.8

Manual Integrations

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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: VW008060.D

Acq: 04 Jan 2019 21:13

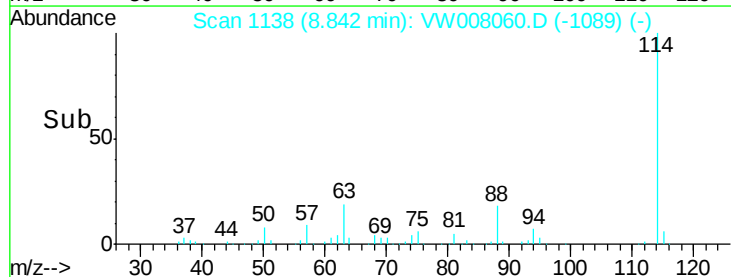
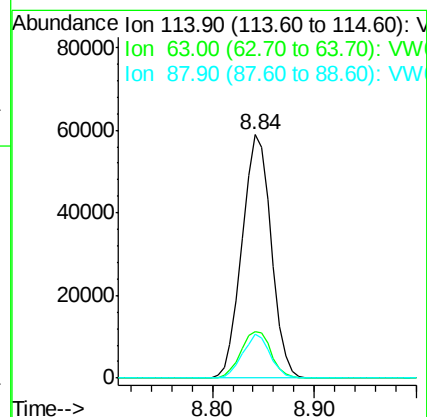
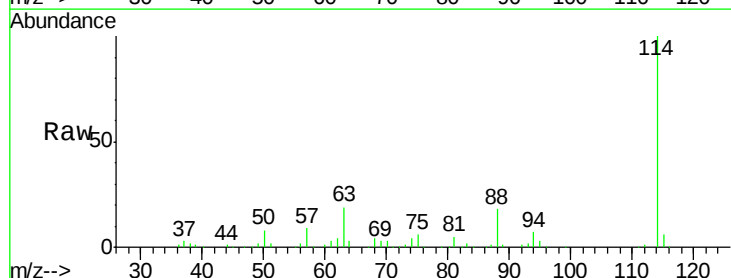
Tgt Ion: 114 Resp: 116519

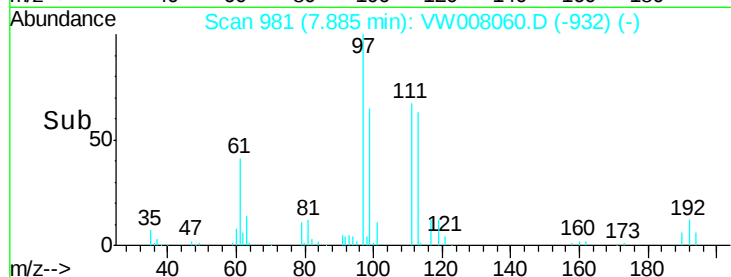
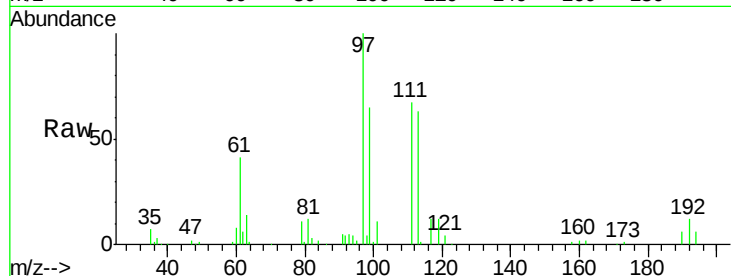
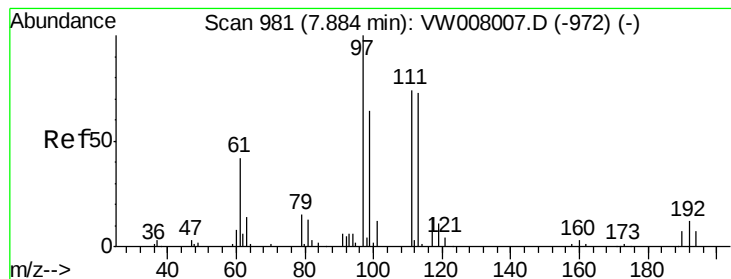
Ion Ratio Lower Upper

114 100

63 19.2 0.0 37.8

88 18.2 0.0 31.0





#35

Dibromofluoromethane

Concen: 44.523 ug/l

RT: 7.88 min Scan# 981

Delta R.T. 0.00 min

Lab File: VW008060.D

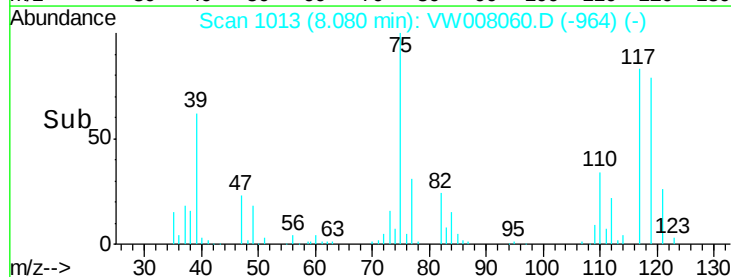
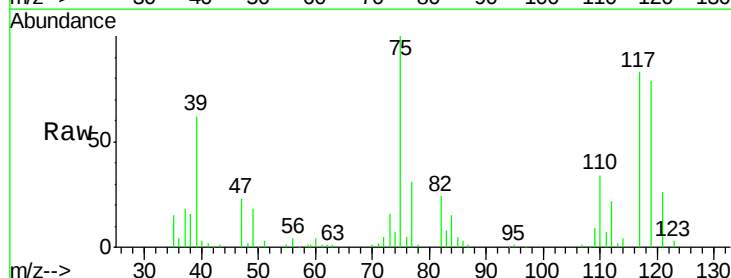
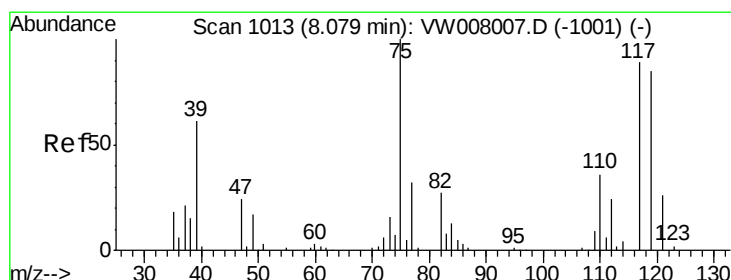
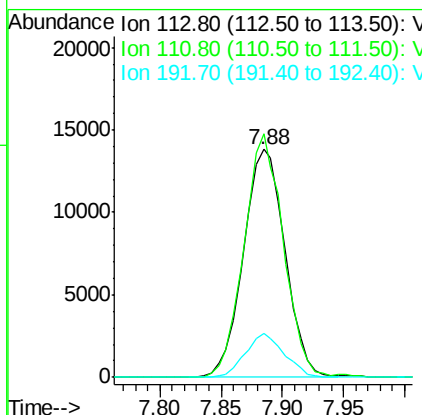
Acq: 04 Jan 2019 21:13

Tot Ion:	113	Resp:	32704
Ion	Ratio	Lower	Upper
113	100		
111	101.5	81.4	122.0
192	18.0	14.8	22.2

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

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#36

1,1-Dichloropropene

Concen: 50.920 ug/l

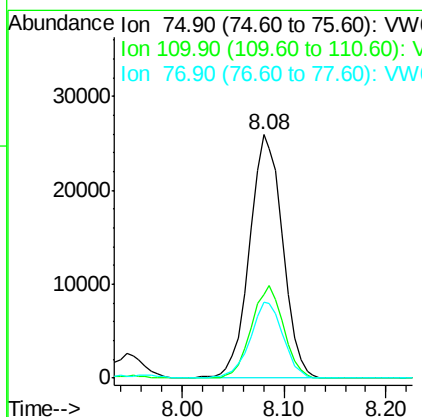
RT: 8.08 min Scan# 1013

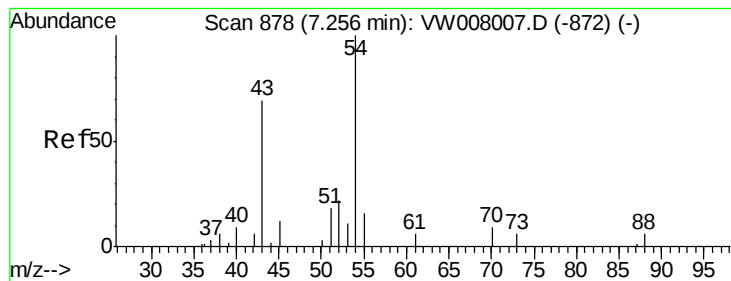
Delta R.T. 0.00 min

Lab File: VW008060.D

Acq: 04 Jan 2019 21:13

Tgt Ion:	75	Resp:	58528
Ion	Ratio	Lower	Upper
75	100		
110	37.0	18.1	54.3
77	31.2	25.3	37.9





#37

Ethyl Acetate

Concen: 57.505 ug/l

RT: 7.26 min Scan# 878

Delta R.T. 0.00 min

Lab File: VW008060.D

Acq: 04 Jan 2019 21:13

Instrument :

MSVOA_W

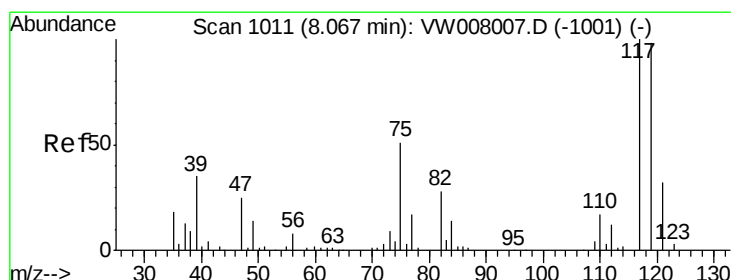
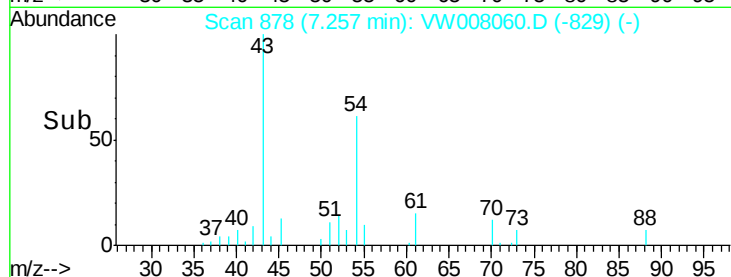
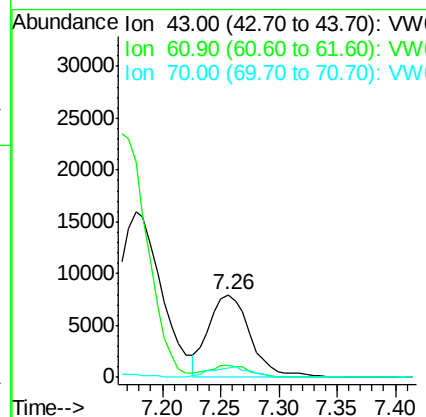
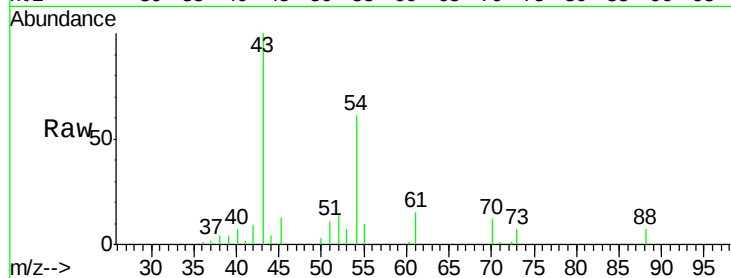
ClientSampleId :

VSTDCCC050EC

Tot Ion:	43	Resp:	19854
Ion	Ratio	Lower	Upper
43	100		
61	14.5	11.4	17.2
70	12.3	9.4	14.0

Manual Integrations
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#38

Carbon Tetrachloride

Concen: 49.623 ug/l

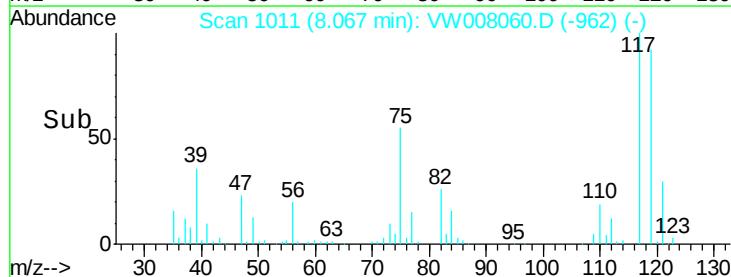
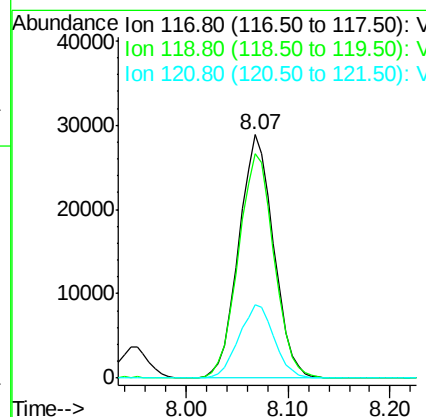
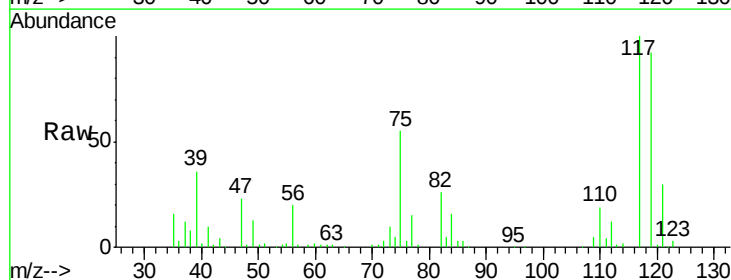
RT: 8.07 min Scan# 1011

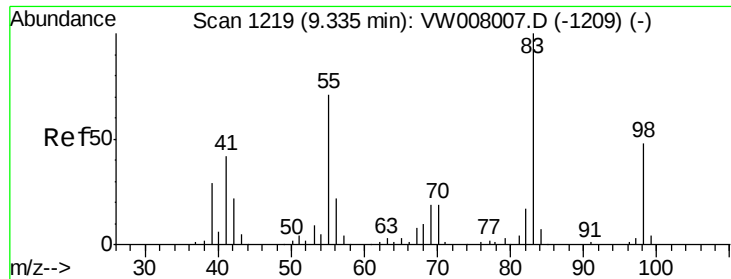
Delta R.T. 0.00 min

Lab File: VW008060.D

Acq: 04 Jan 2019 21:13

Tgt Ion:	117	Resp:	68356
Ion	Ratio	Lower	Upper
117	100		
119	92.2	78.7	118.1
121	30.0	25.8	38.8





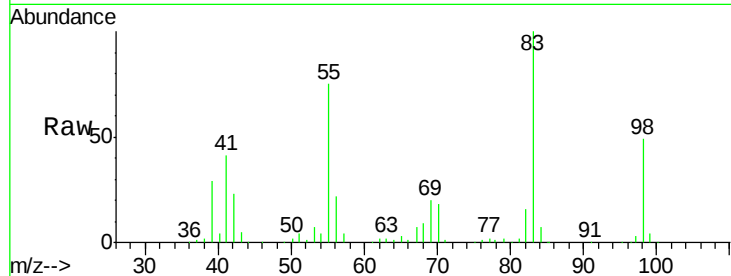
#39
Methvlcvclohexane
Concen: 51.036 ug/l
RT: 9.34 min Scan# 1219
Delta R.T. 0.00 min
Lab File: VW008060.D
Acq: 04 Jan 2019 21:13

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
83	100		
55	74.7	56.8	85.2
98	48.6	38.6	58.0

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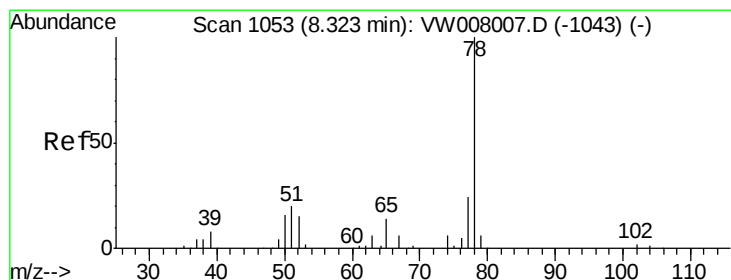
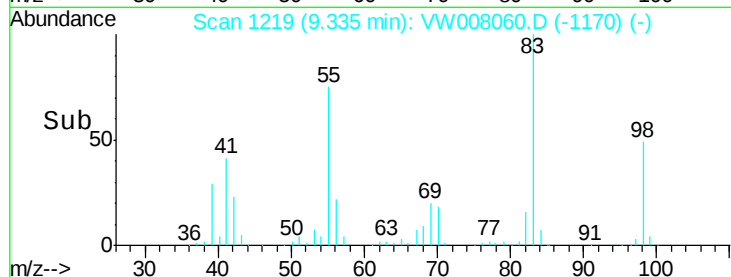
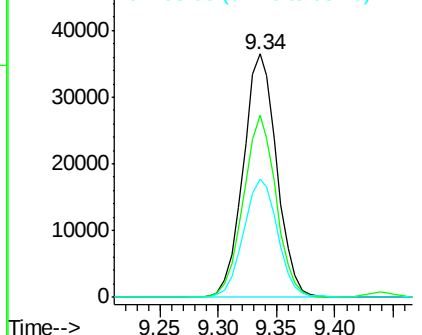


Abundance

Ion 83.00 (82.70 to 83.70): VW

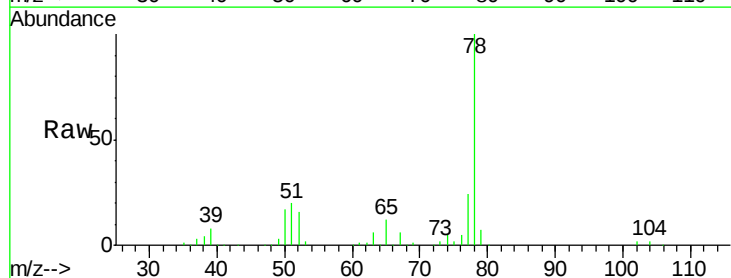
Ion 55.00 (54.70 to 55.70): VW

Ion 98.00 (97.70 to 98.70): VW



#40
Benzene
Concen: 52.894 ug/l
RT: 8.32 min Scan# 1053
Delta R.T. 0.00 min
Lab File: VW008060.D
Acq: 04 Jan 2019 21:13

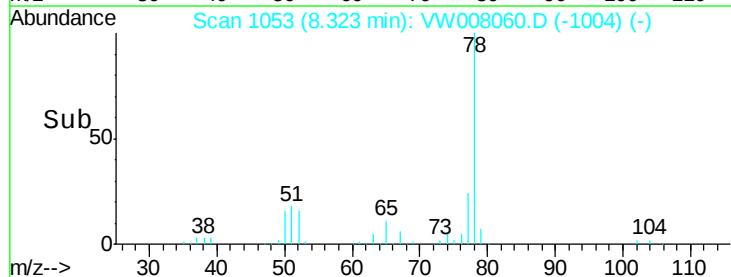
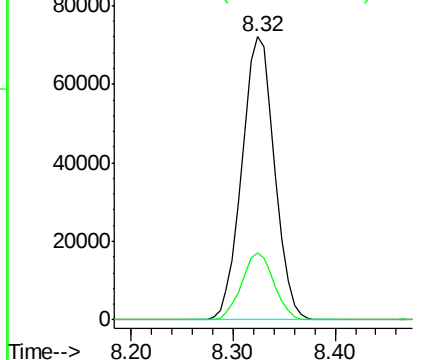
Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.9	19.0	28.6

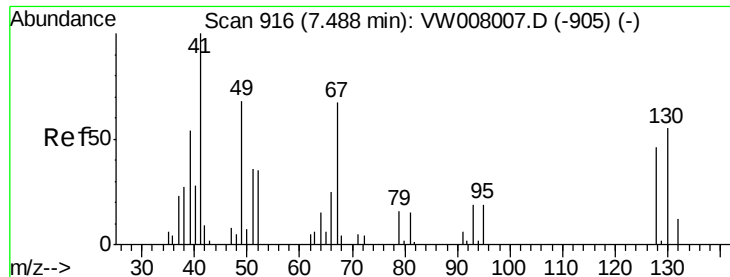


Abundance

Ion 78.00 (77.70 to 78.70): VW

Ion 77.00 (76.70 to 77.70): VW





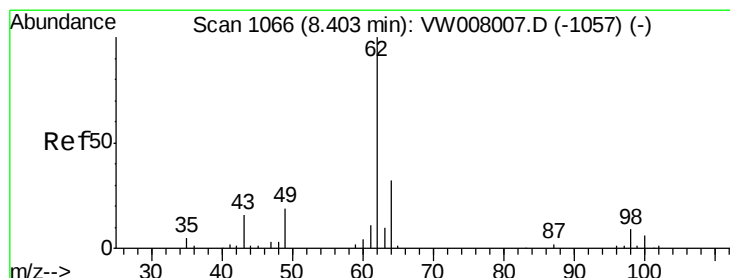
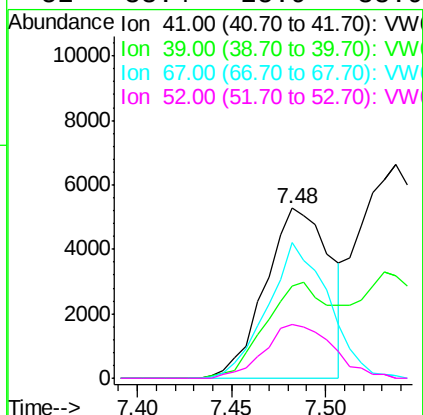
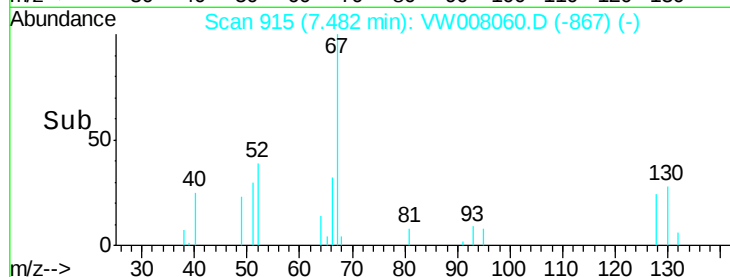
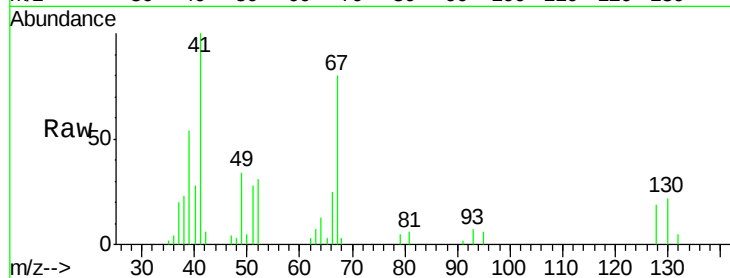
#41
Methacrylonitrile
Concen: 62.030 ug/l
RT: 7.48 min Scan# 915
Delta R.T. -0.01 min
Lab File: VW008060.D
Acq: 04 Jan 2019 21:13

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tot Ion:	41	Resp:	12592
Ion	Ratio	Lower	Upper
41	100		
39	57.1	48.6	72.8
67	75.4	55.6	83.4
52	33.4	25.9	38.9

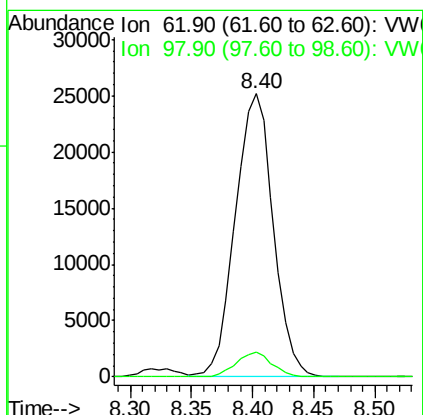
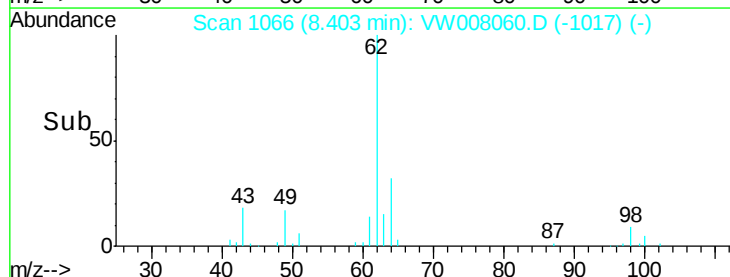
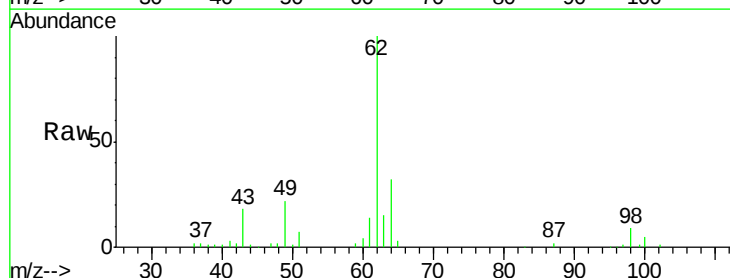
Manual Integrations
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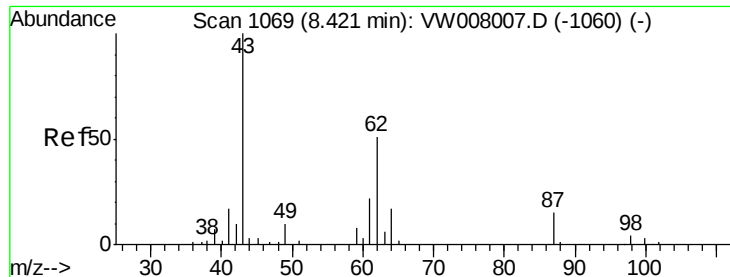
MMDadoda
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#42
1,2-Dichloroethane
Concen: 53.601 ug/l
RT: 8.40 min Scan# 1066
Delta R.T. 0.00 min
Lab File: VW008060.D
Acq: 04 Jan 2019 21:13

Tgt Ion:	62	Resp:	54153
Ion	Ratio	Lower	Upper
62	100		
98	8.4	0.0	15.6





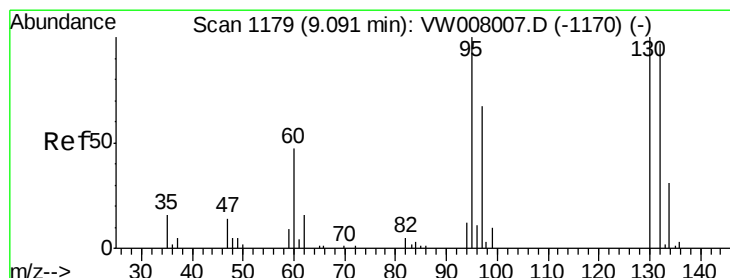
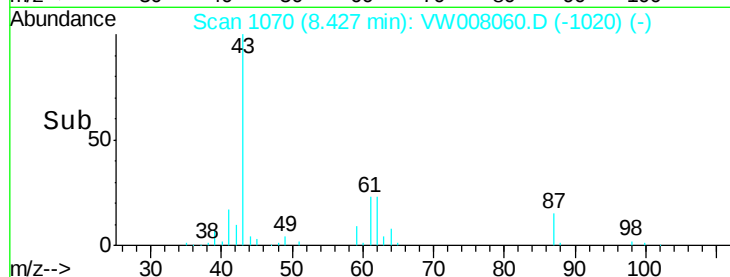
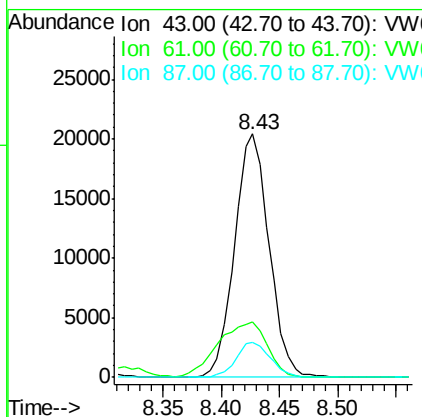
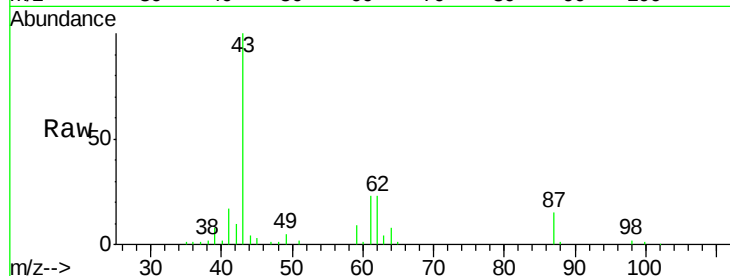
#43
Isopropyl Acetate
Concen: 61.000 ug/l
RT: 8.43 min Scan# 1070
Delta R.T. 0.01 min
Lab File: VW008060.D
Acq: 04 Jan 2019 21:13

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
43	100		
61	32.5	26.4	39.6
87	14.5	12.0	18.0

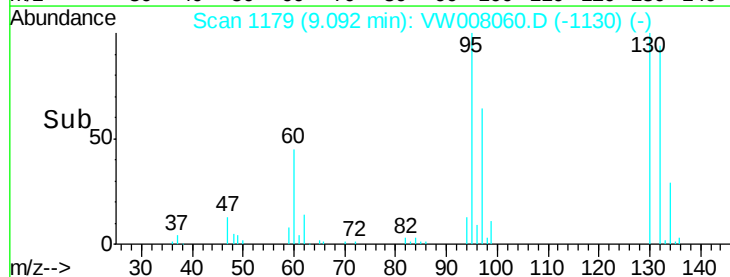
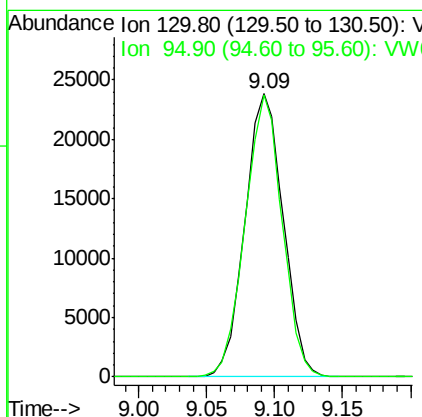
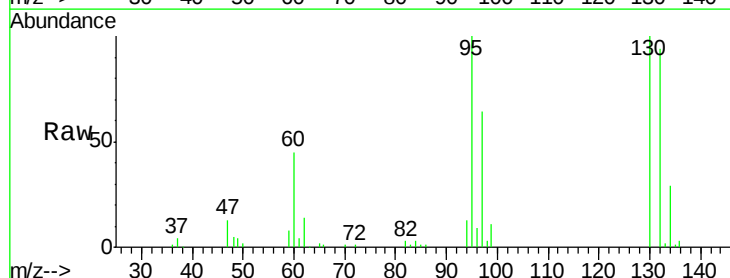
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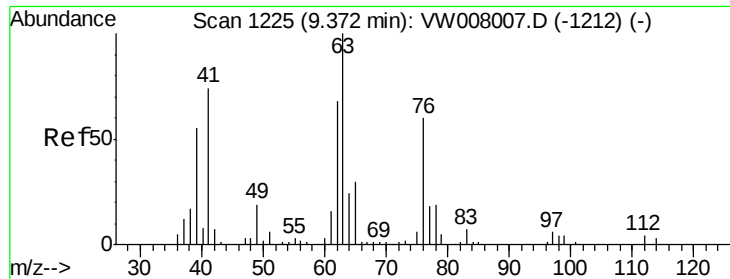
MMDadoda
1/7/2019 1:23:06 PM



#44
Trichloroethene
Concen: 52.471 ug/l
RT: 9.09 min Scan# 1179
Delta R.T. 0.00 min
Lab File: VW008060.D
Acq: 04 Jan 2019 21:13

Tgt Ion	Ratio	Lower	Upper
130	100		
95	99.9	0.0	200.0





#45

1,2-Dichloropropane

Concen: 55.889 ug/l

RT: 9.37 min Scan# 1225

Delta R.T. 0.00 min

Lab File: VW008060.D

Acq: 04 Jan 2019 21:13

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

Tot Ion: 63 Resp: 36682

Ion Ratio Lower Upper

63 100

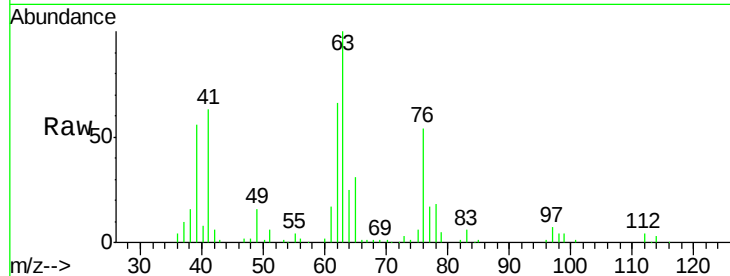
65 31.3 24.2 36.4

Manual Integrations

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Abundance Ion 62.90 (62.60 to 63.60): VW

Ion 64.90 (64.60 to 65.60): VW

9.37

20000

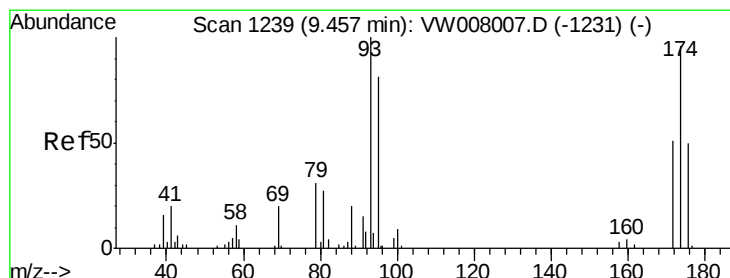
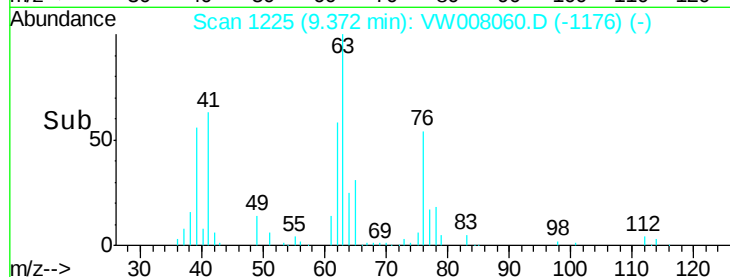
15000

10000

5000

0

Time-->



#46

Dibromomethane

Concen: 55.661 ug/l

RT: 9.46 min Scan# 1239

Delta R.T. 0.00 min

Lab File: VW008060.D

Acq: 04 Jan 2019 21:13

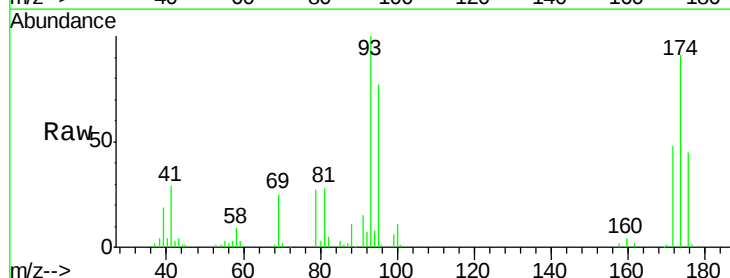
Tgt Ion: 93 Resp: 21359

Ion Ratio Lower Upper

93 100

95 83.6 63.9 95.9

174 99.0 79.0 118.6



Abundance Ion 92.80 (92.50 to 93.50): VW

Ion 94.80 (94.50 to 95.50): VW

Ion 173.70 (173.40 to 174.40): V

9.46

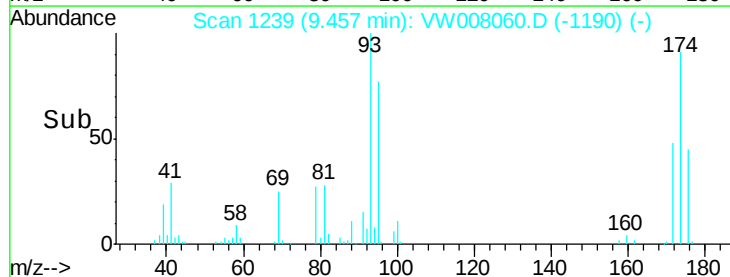
15000

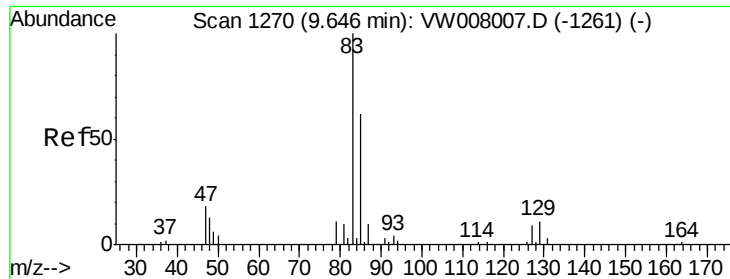
10000

5000

0

Time-->





#47

Bromodichloromethane

Concen: 52.618 ug/l

RT: 9.65 min Scan# 1270

Delta R.T. 0.00 min

Lab File: VW008060.D

Acq: 04 Jan 2019 21:13

Instrument :

MSVOA_W

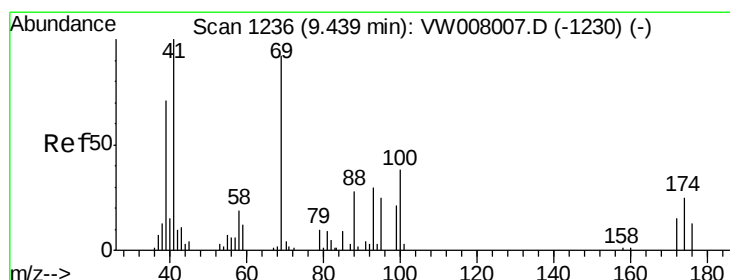
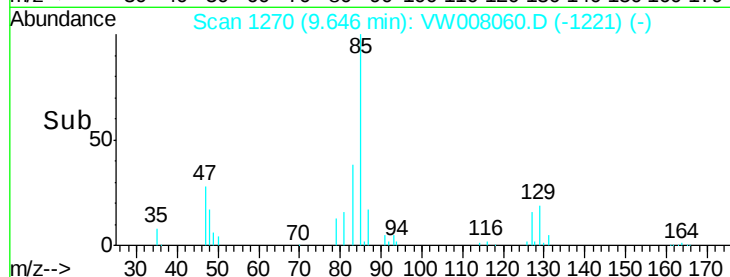
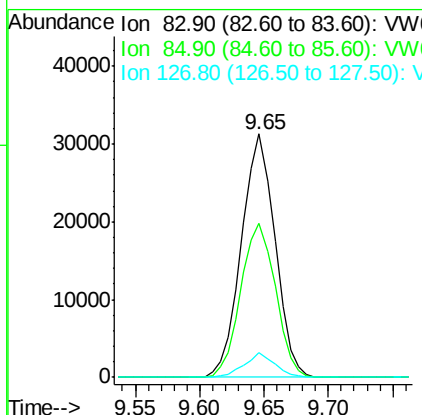
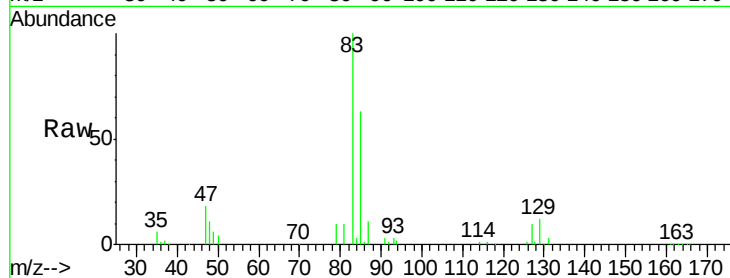
ClientSampleId :

VSTDCCC050EC

Tot Ion:	83	Resp:	56554
Ion	Ratio	Lower	Upper
83	100		
85	63.2	49.5	74.3
127	10.0	7.5	11.3

Manual Integrations
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#48

Methyl methacrylate

Concen: 62.479 ug/l

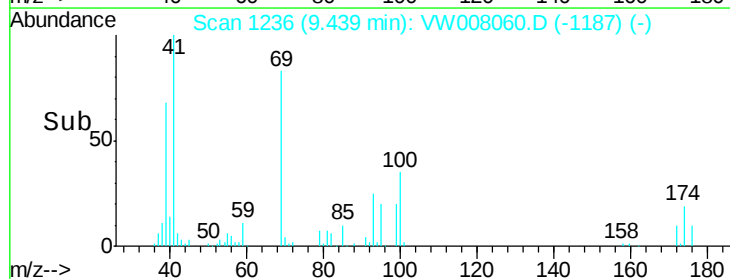
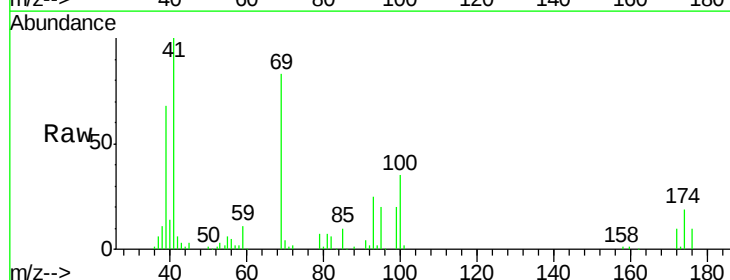
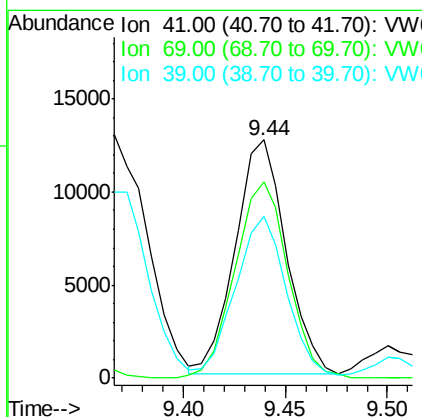
RT: 9.44 min Scan# 1236

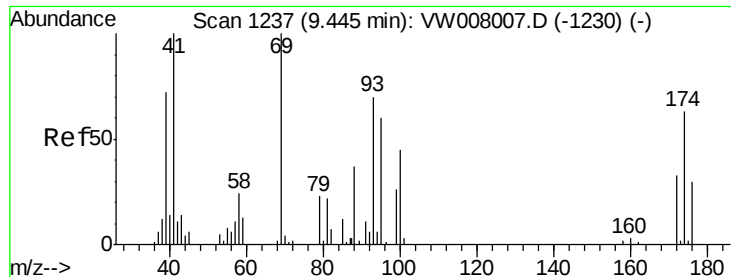
Delta R.T. 0.00 min

Lab File: VW008060.D

Acq: 04 Jan 2019 21:13

Tgt Ion:	41	Resp:	21732
Ion	Ratio	Lower	Upper
41	100		
69	87.4	72.3	108.5
39	70.6	58.7	88.1





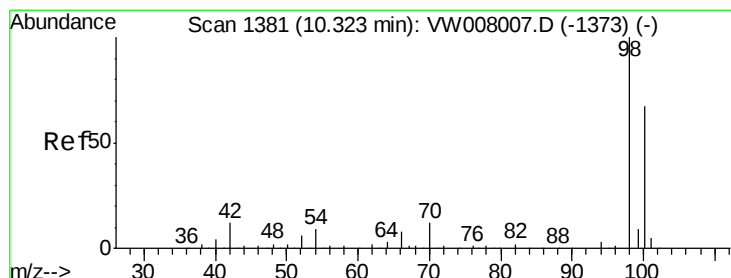
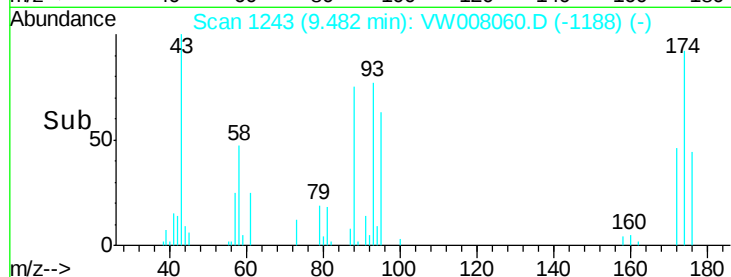
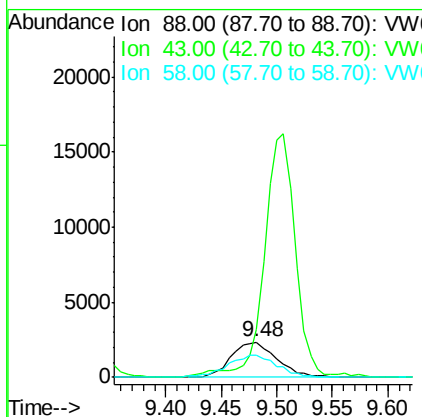
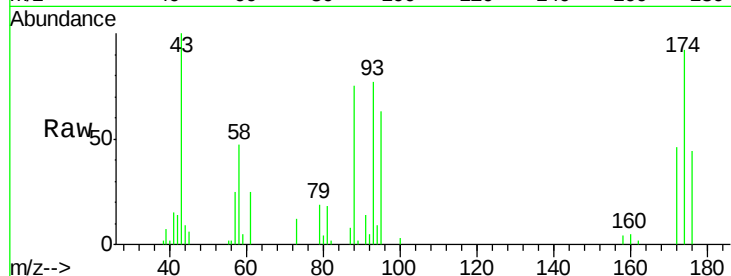
#49
1,4-Dioxane
Concen: 1170.331 ug/l
RT: 9.48 min Scan# 1243
Delta R.T. 0.04 min
Lab File: VW008060.D
Acq: 04 Jan 2019 21:13

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
88	100		
43	0.0	26.8	40.2#
58	68.2	55.8	83.6

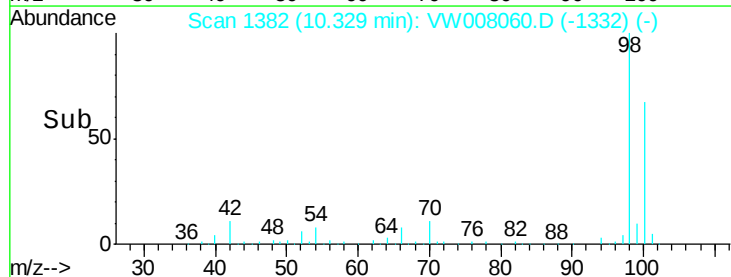
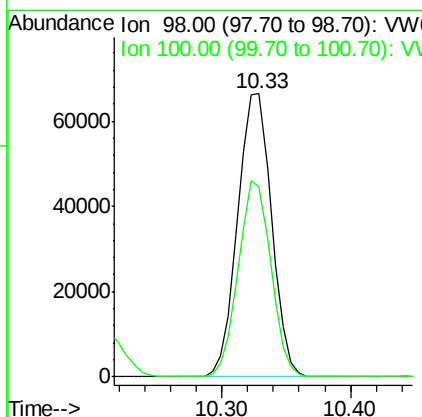
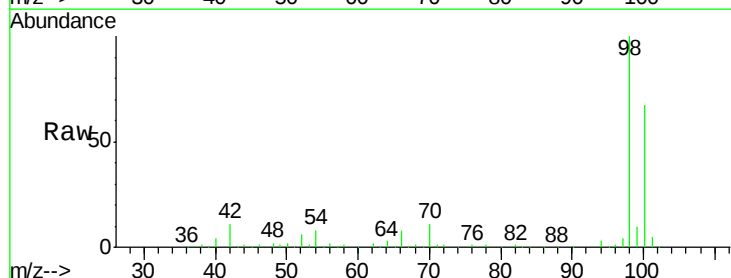
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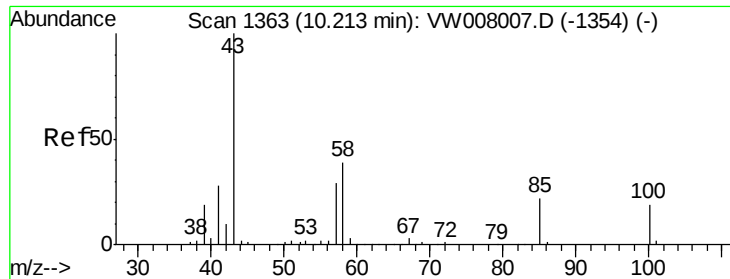
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#50
Toluene-d8
Concen: 43.940 ug/l
RT: 10.33 min Scan# 1382
Delta R.T. 0.01 min
Lab File: VW008060.D
Acq: 04 Jan 2019 21:13

Tgt Ion	Ratio	Lower	Upper
98	100		
100	66.8	52.9	79.3





#51

4-Methyl-2-Pentanone

Concen: 302.369 ug/l

RT: 10.21 min Scan# 1363

Delta R.T. 0.00 min

Lab File: VW008060.D

Acq: 04 Jan 2019 21:13

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

Tot Ion: 43 Resp: 96554

Ion Ratio Lower Upper

43 100

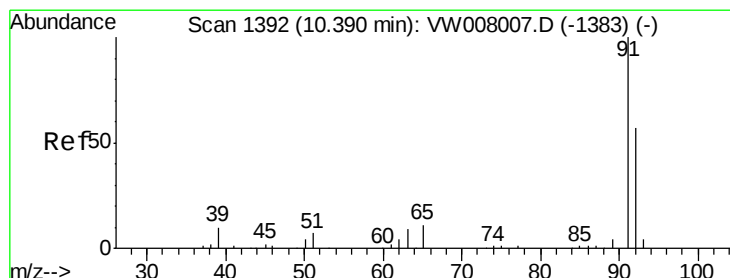
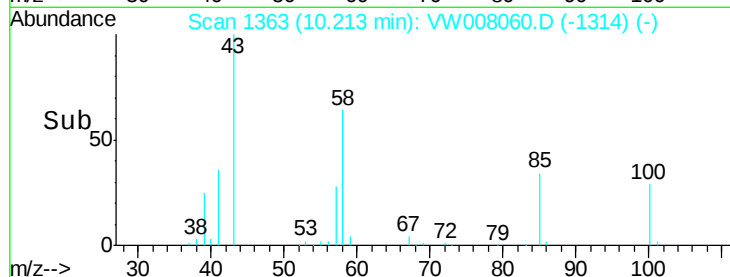
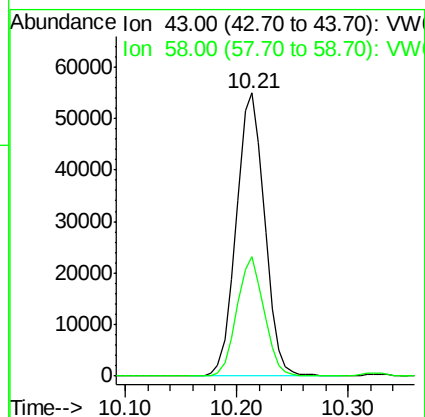
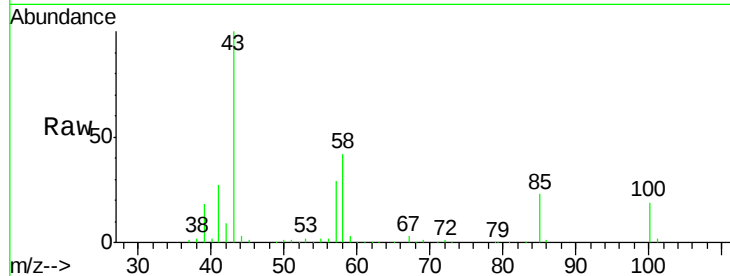
58 40.3 32.0 48.0

Manual Integrations

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#52

Toluene

Concen: 52.079 ug/l

RT: 10.39 min Scan# 1392

Delta R.T. 0.00 min

Lab File: VW008060.D

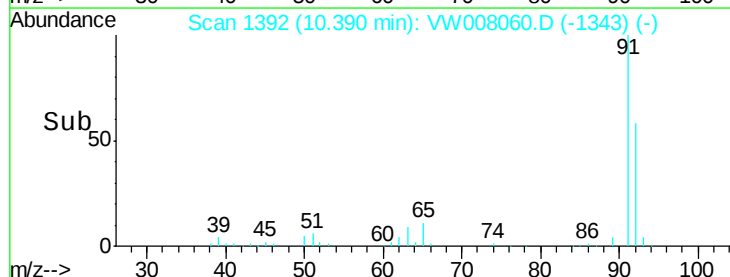
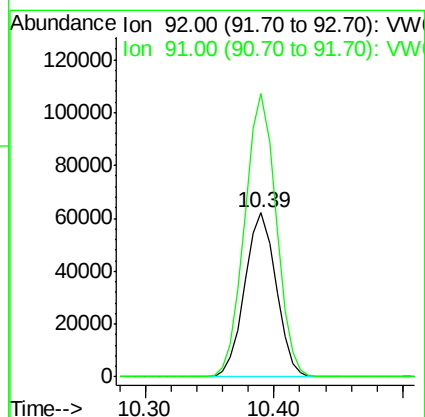
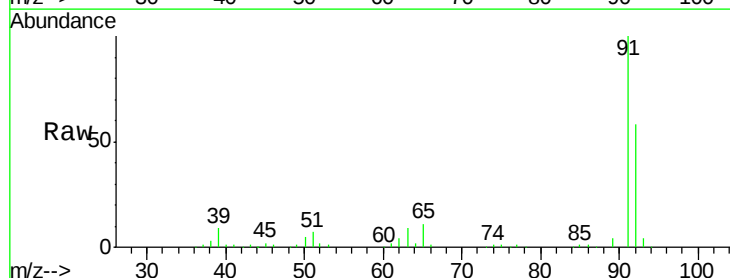
Acq: 04 Jan 2019 21:13

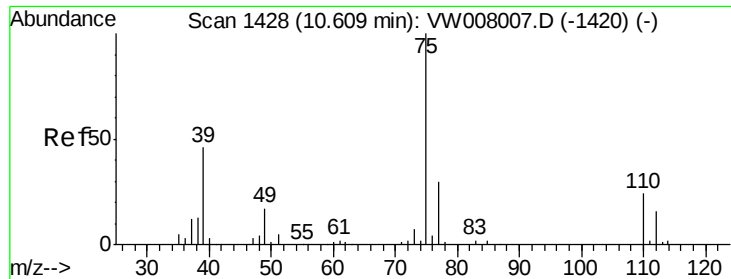
Tgt Ion: 92 Resp: 104253

Ion Ratio Lower Upper

92 100

91 173.7 136.9 205.3





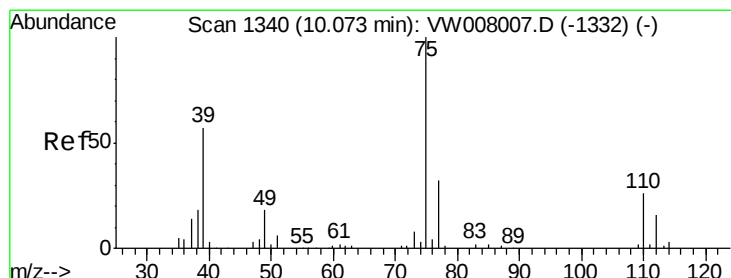
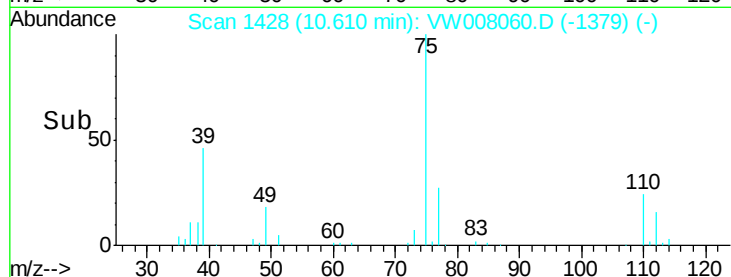
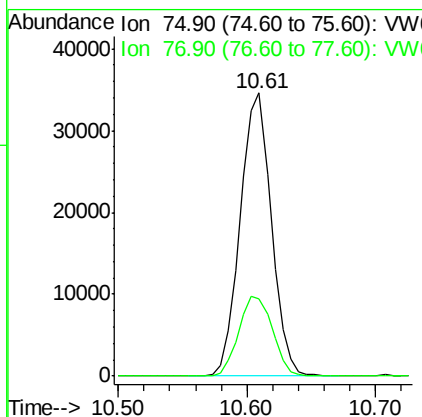
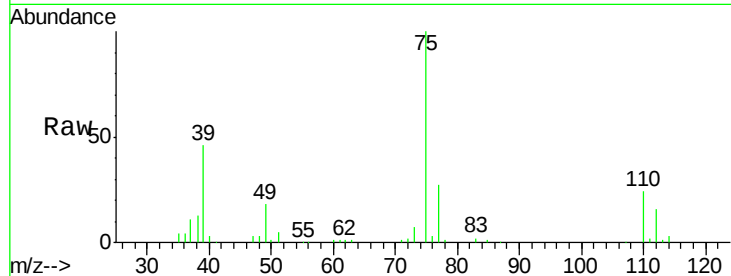
#53
t-1,3-Dichloropropene
Concen: 55.803 ug/l
RT: 10.61 min Scan# 1428
Delta R.T. 0.00 min
Lab File: VW008060.D
Acq: 04 Jan 2019 21:13

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tot Ion: 75 Resp: 57673
Ion Ratio Lower Upper
75 100
77 27.3 24.0 36.0

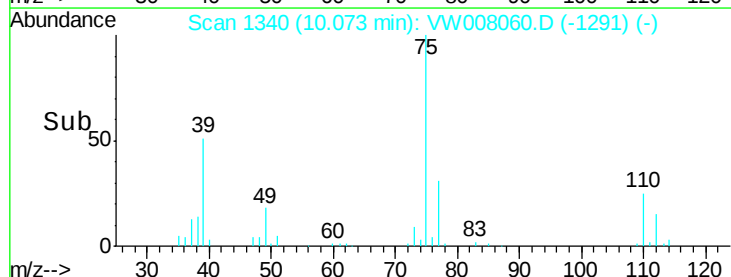
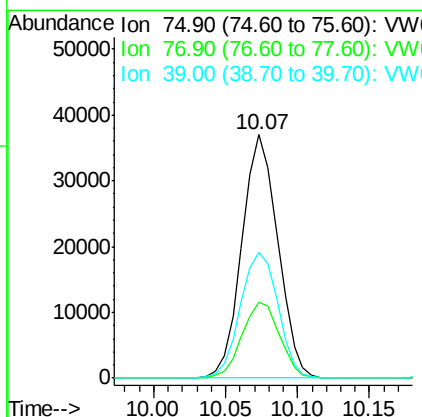
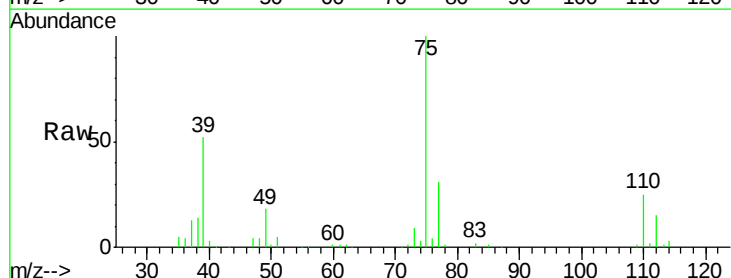
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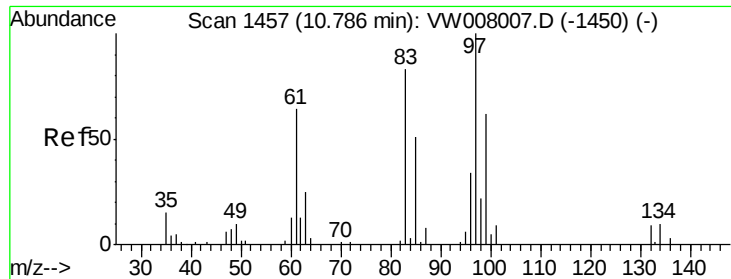
MMDadoda
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#54
cis-1,3-Dichloropropene
Concen: 55.545 ug/l
RT: 10.07 min Scan# 1340
Delta R.T. 0.00 min
Lab File: VW008060.D
Acq: 04 Jan 2019 21:13

Tgt Ion: 75 Resp: 64058
Ion Ratio Lower Upper
75 100
77 31.2 25.9 38.9
39 51.6 45.4 68.0





#55

1,1,2-Trichloroethane

Concen: 56.691 ug/l

RT: 10.79 min Scan# 1457

Delta R.T. 0.00 min

Lab File: VW008060.D

Acq: 04 Jan 2019 21:13

Instrument :

MSVOA_W

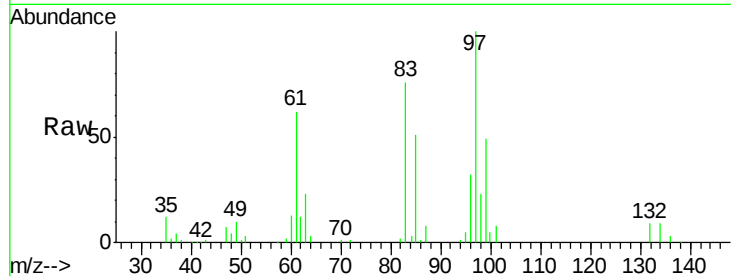
ClientSampleId :

VSTDCCC050EC

Tot Ion:	97	Resp:	29454
Ion	Ratio	Lower	Upper
97	100		
83	75.6	66.2	99.2
85	50.8	41.0	61.4
99	49.3	49.3	73.9

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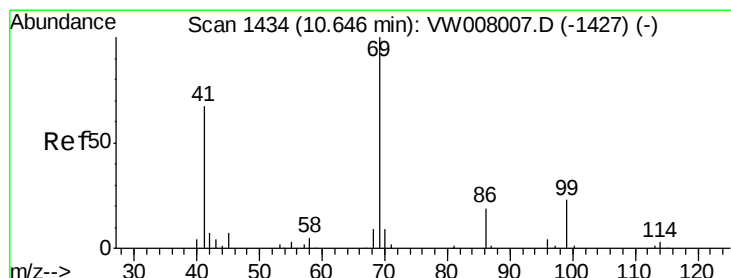
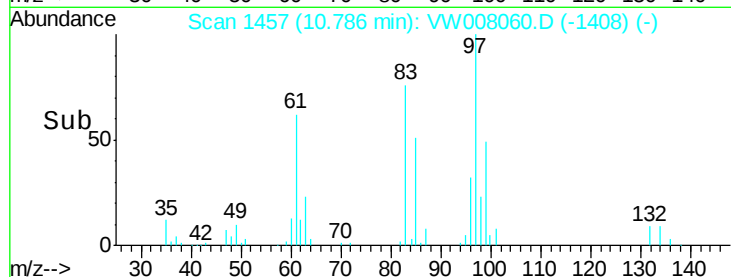
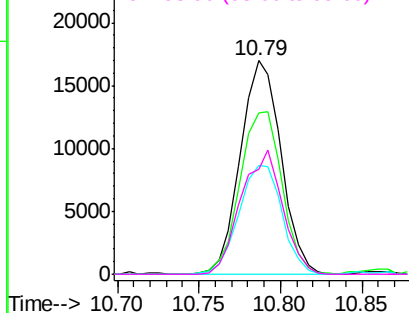
Abundance

Ion 96.90 (96.60 to 97.60): VW

Ion 82.90 (82.60 to 83.60): VW

Ion 84.90 (84.60 to 85.60): VW

Ion 98.90 (98.60 to 99.60): VW



#56

Ethyl methacrylate

Concen: 62.306 ug/l

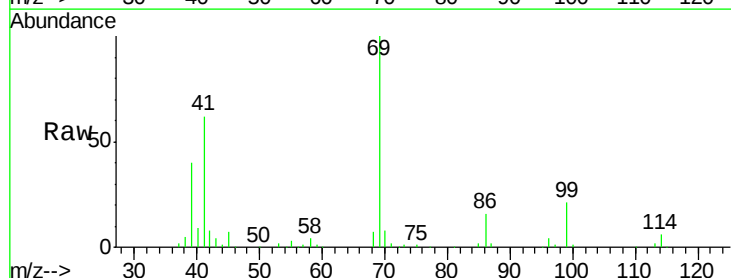
RT: 10.65 min Scan# 1434

Delta R.T. 0.00 min

Lab File: VW008060.D

Acq: 04 Jan 2019 21:13

Tgt Ion:	69	Resp:	36596
Ion	Ratio	Lower	Upper
69	100		
41	64.6	52.6	79.0
39	40.3	35.8	53.6

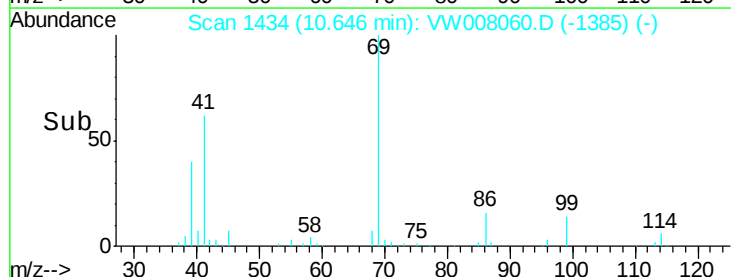
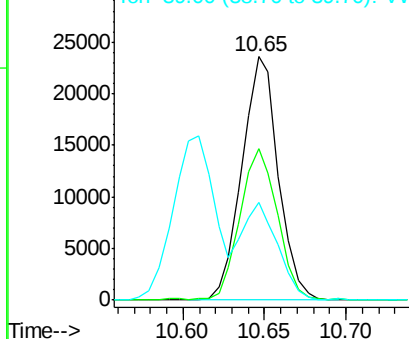


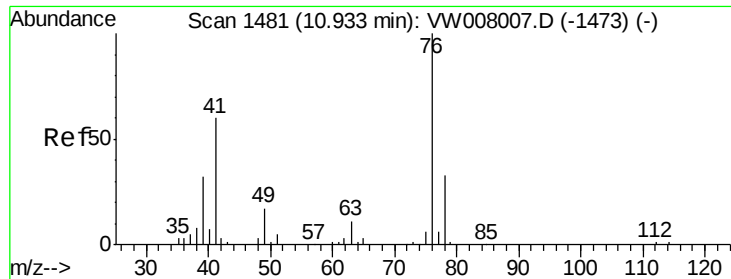
Abundance

Ion 69.00 (68.70 to 69.70): VW

Ion 41.00 (40.70 to 41.70): VW

Ion 39.00 (38.70 to 39.70): VW





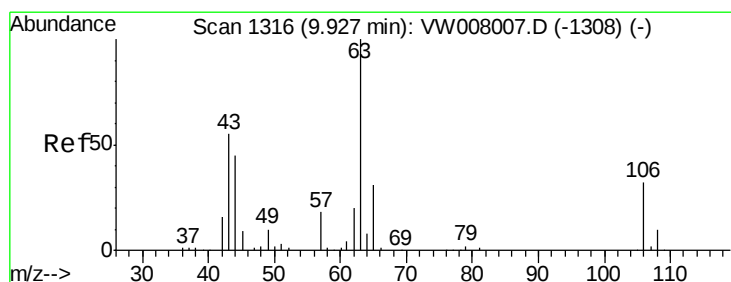
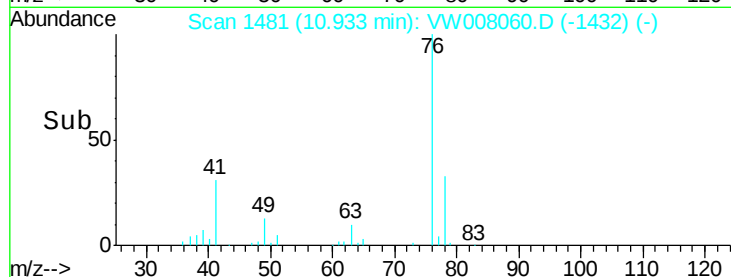
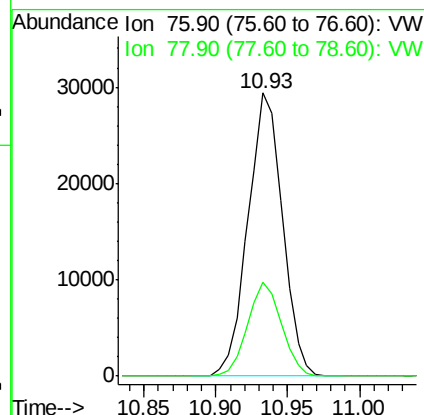
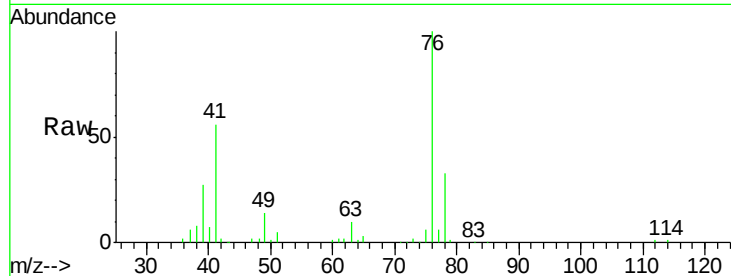
#57
 1,3-Dichloropropane
 Concen: 55.031 ug/l
 RT: 10.93 min Scan# 1481
 Delta R.T. 0.00 min
 Lab File: VW008060.D
 Acq: 04 Jan 2019 21:13

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050EC

Tot Ion: 76 Resp: 48583
 Ion Ratio Lower Upper
 76 100
 78 32.5 26.7 40.1

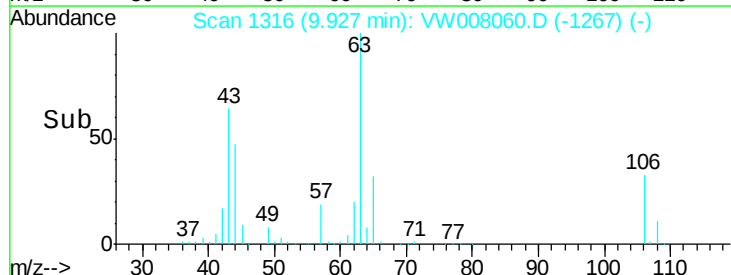
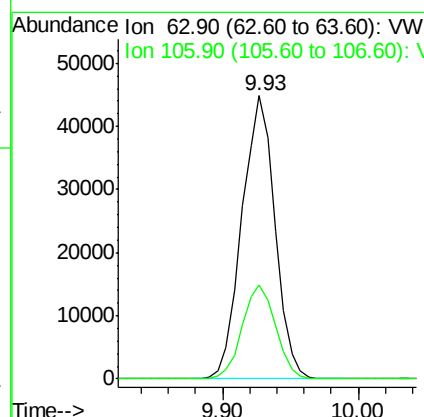
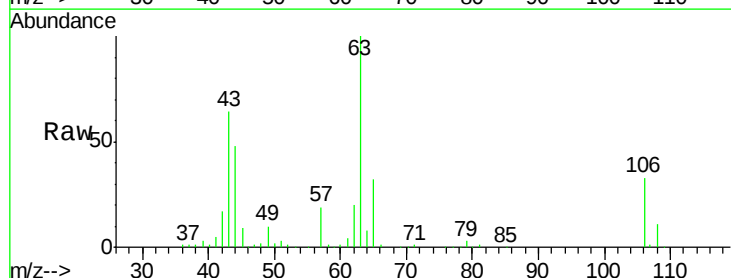
Manual Integrations
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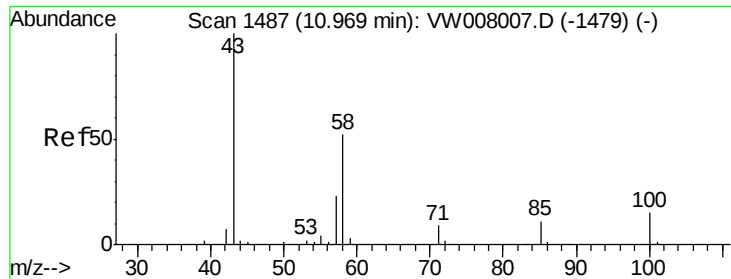
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#58
 2-Chloroethyl Vinyl ether
 Concen: 272.930 ug/l
 RT: 9.93 min Scan# 1316
 Delta R.T. 0.00 min
 Lab File: VW008060.D
 Acq: 04 Jan 2019 21:13

Tgt Ion: 63 Resp: 76028
 Ion Ratio Lower Upper
 63 100
 106 33.5 26.9 40.3





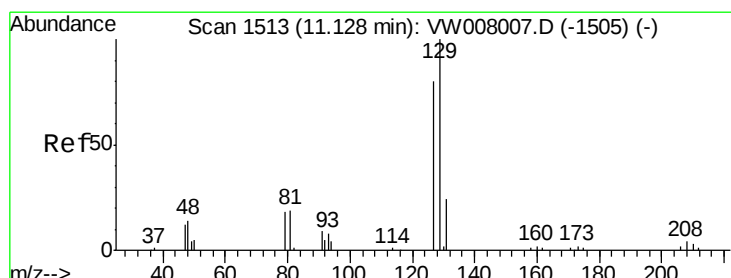
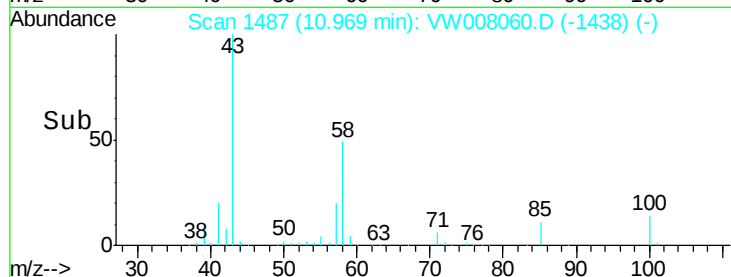
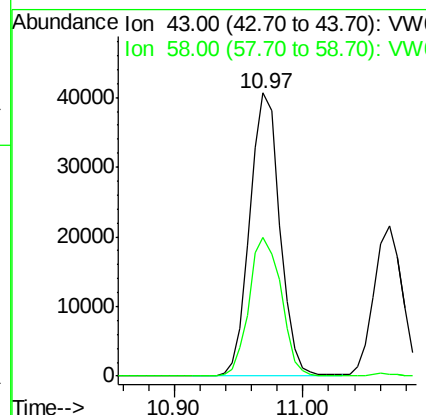
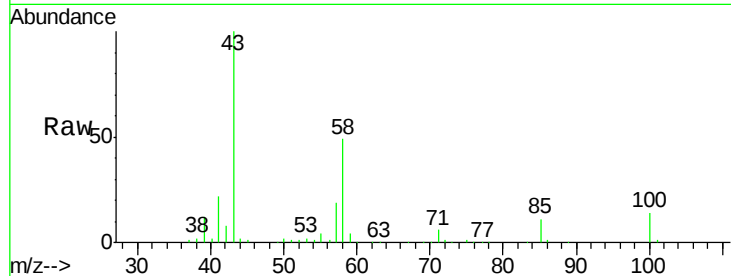
#59
2-Hexanone
Concen: 296.727 ug/l
RT: 10.97 min Scan# 1487
Delta R.T. 0.00 min
Lab File: VW008060.D
Acq: 04 Jan 2019 21:13

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tot Ion: 43 Resp: 65413
Ion Ratio Lower Upper
43 100
58 52.4 27.1 81.2

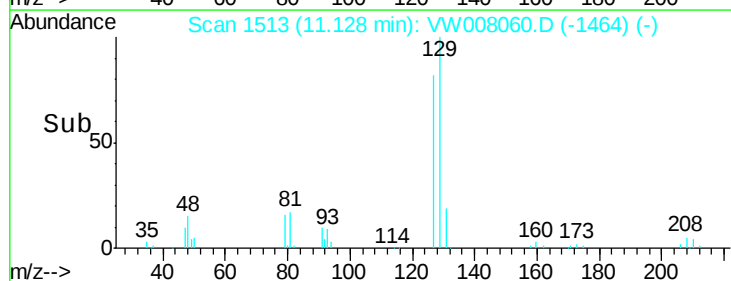
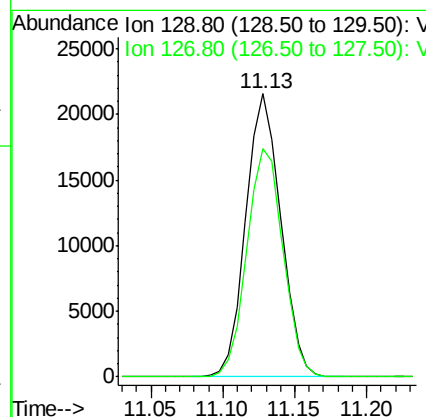
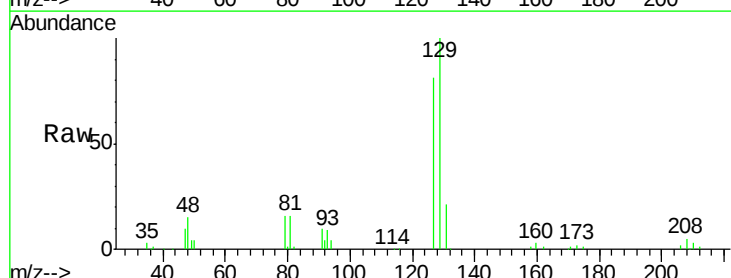
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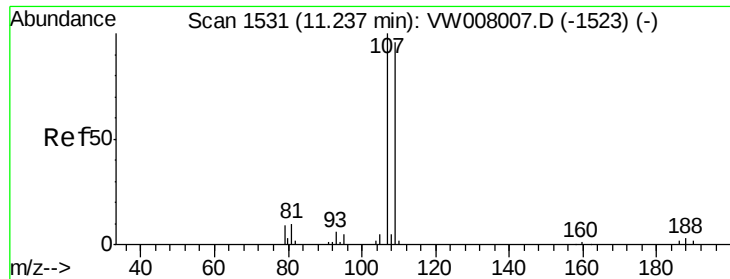
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#60
Dibromochloromethane
Concen: 51.150 ug/l
RT: 11.13 min Scan# 1513
Delta R.T. 0.00 min
Lab File: VW008060.D
Acq: 04 Jan 2019 21:13

Tgt Ion: 129 Resp: 36377
Ion Ratio Lower Upper
129 100
127 82.9 38.6 116.0





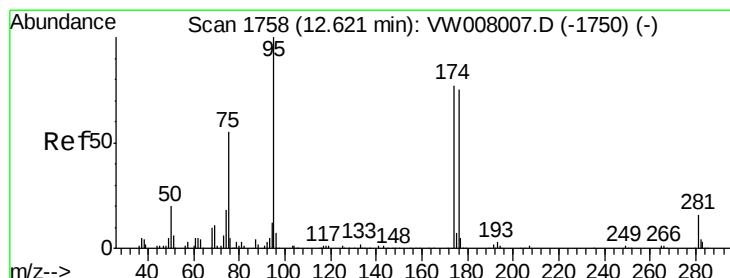
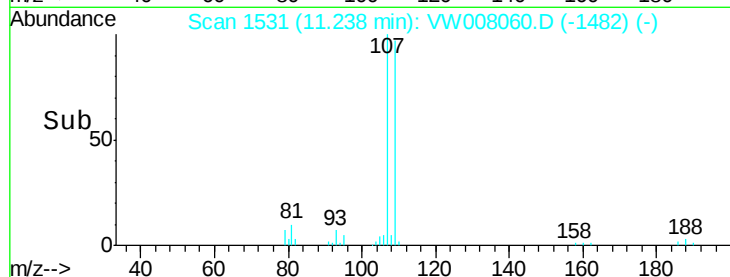
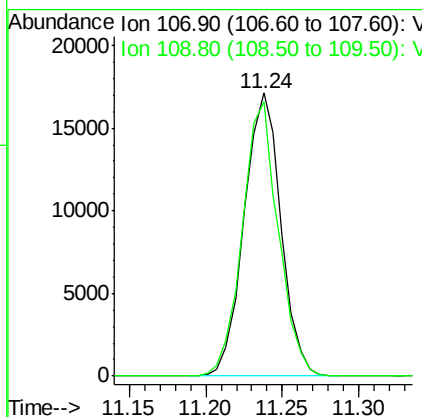
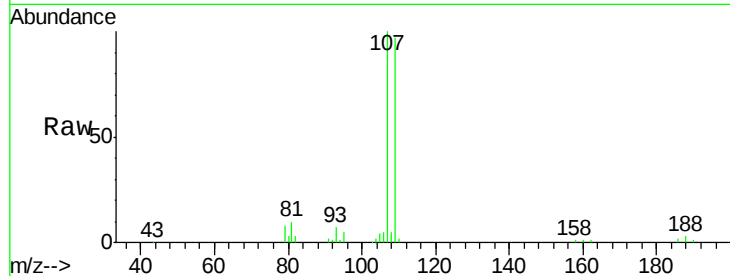
#61
 1,2-Dibromoethane
 Concen: 55.076 ug/l
 RT: 11.24 min Scan# 1531
 Delta R.T. 0.00 min
 Lab File: VW008060.D
 Acq: 04 Jan 2019 21:13

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050EC

Tot Ion: 107 Resp: 28636
 Ion Ratio Lower Upper
 107 100
 109 94.6 77.2 115.8

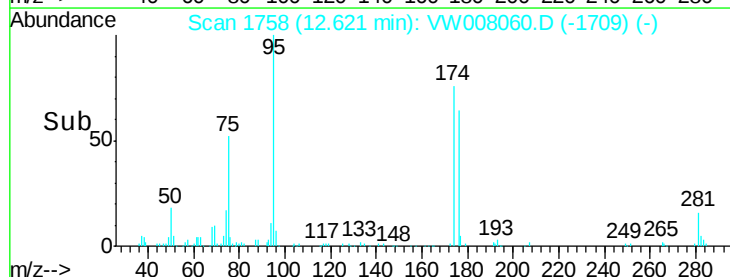
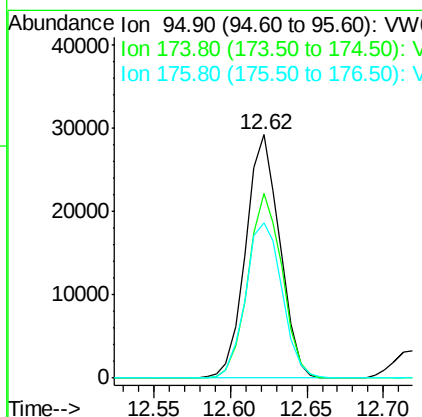
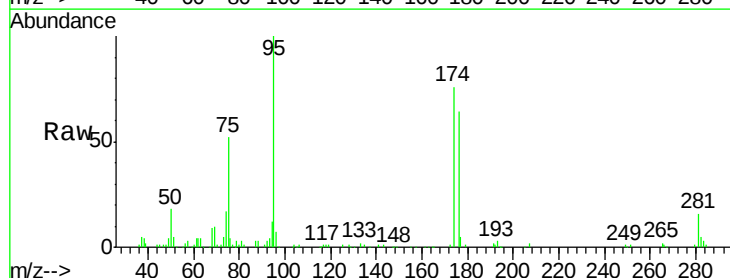
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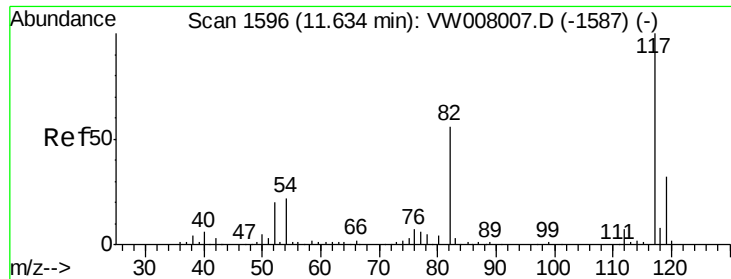
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#62
 4-Bromofluorobenzene
 Concen: 42.738 ug/l
 RT: 12.62 min Scan# 1758
 Delta R.T. 0.00 min
 Lab File: VW008060.D
 Acq: 04 Jan 2019 21:13

Tgt Ion: 95 Resp: 45163
 Ion Ratio Lower Upper
 95 100
 174 76.2 0.0 149.6
 176 68.4 0.0 145.4





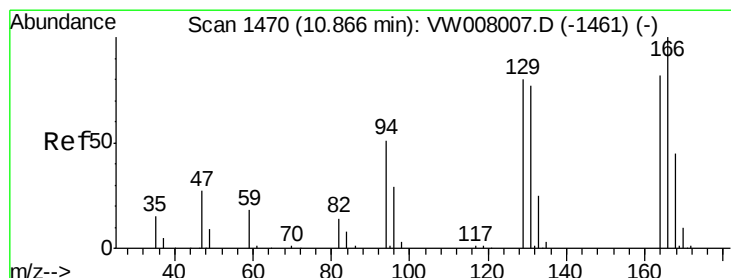
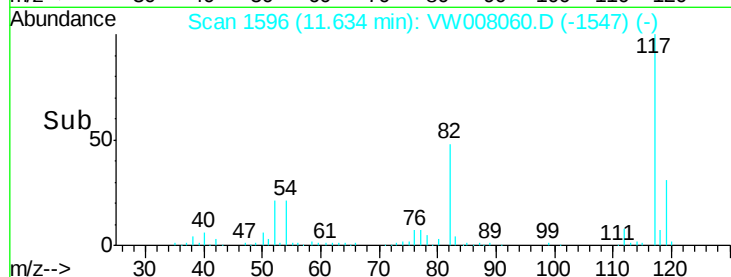
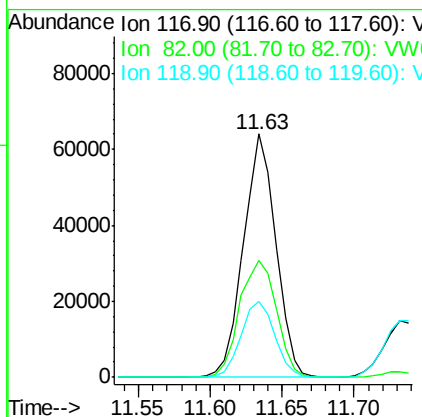
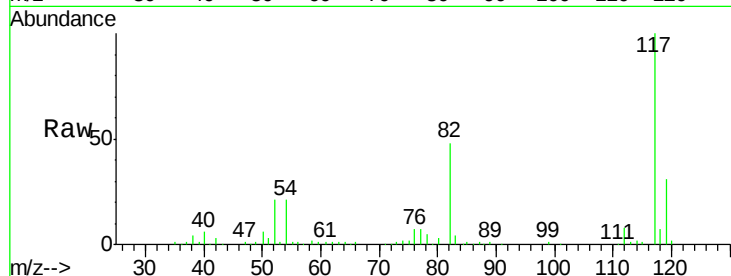
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1596
Delta R.T. 0.00 min
Lab File: VW008060.D
Acq: 04 Jan 2019 21:13

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
117	100		
82	48.1	44.8	67.2
119	31.0	25.6	38.4

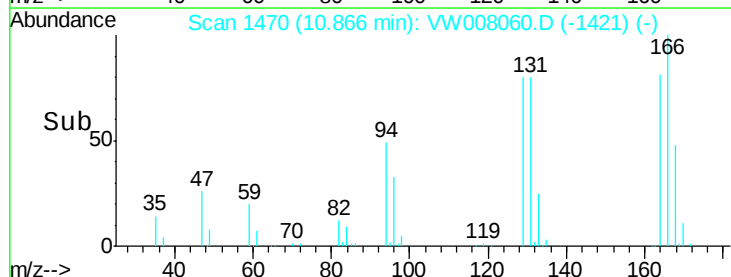
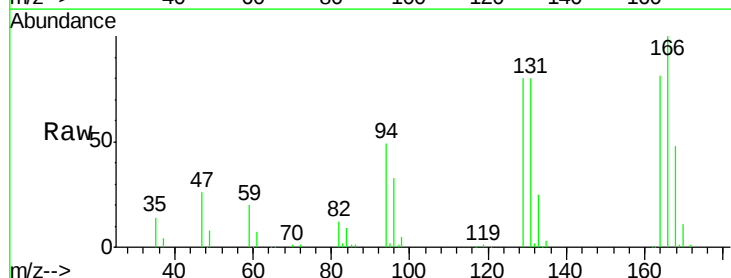
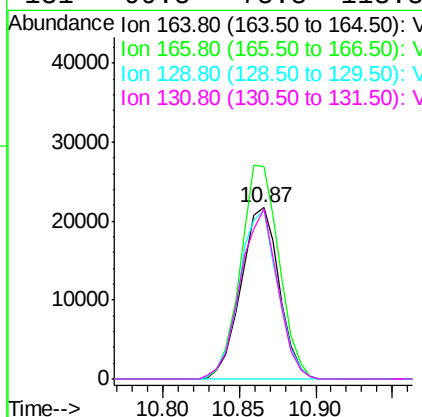
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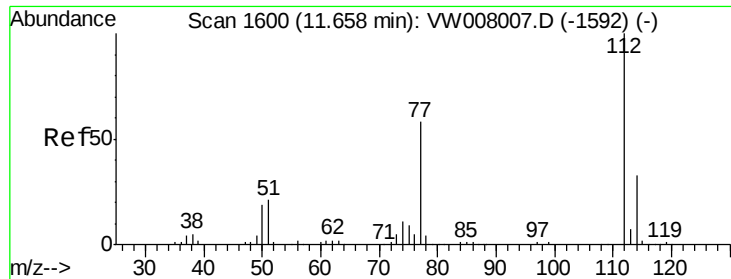
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#64
Tetrachloroethene
Concen: 54.727 ug/l
RT: 10.87 min Scan# 1470
Delta R.T. 0.00 min
Lab File: VW008060.D
Acq: 04 Jan 2019 21:13

Tgt Ion	Ratio	Lower	Upper
164	100		
166	123.9	98.1	147.1
129	98.5	78.0	117.0
131	99.5	75.8	113.8





#65

Chlorobenzene

Concen: 52.344 ug/l

RT: 11.66 min Scan# 1600

Delta R.T. 0.00 min

Lab File: VW008060.D

Acq: 04 Jan 2019 21:13

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

Tot Ion:112 Resp: 111415

Ion Ratio Lower Upper

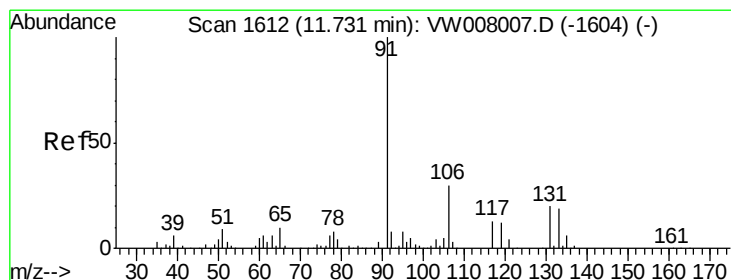
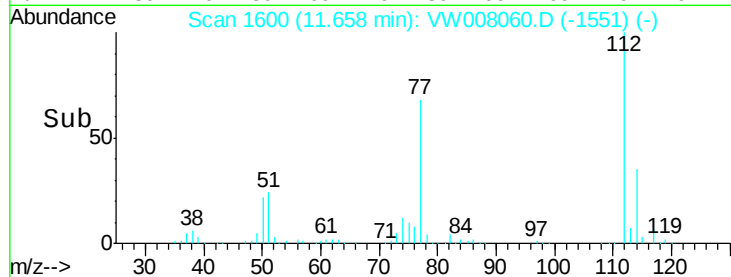
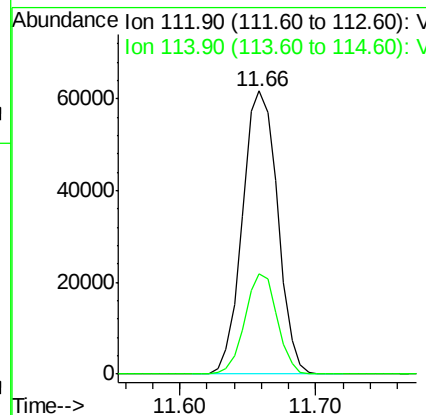
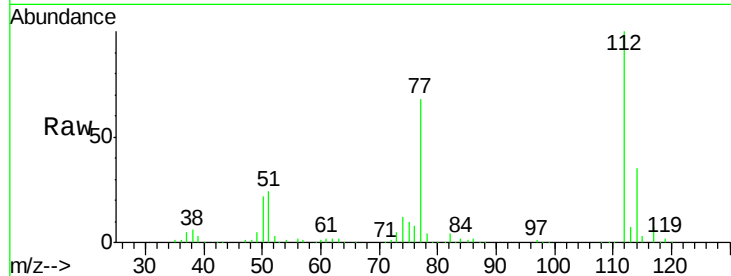
112 100

114 35.5 26.0 39.0

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#66

1,1,1,2-Tetrachloroethane

Concen: 53.258 ug/l

RT: 11.73 min Scan# 1612

Delta R.T. 0.00 min

Lab File: VW008060.D

Acq: 04 Jan 2019 21:13

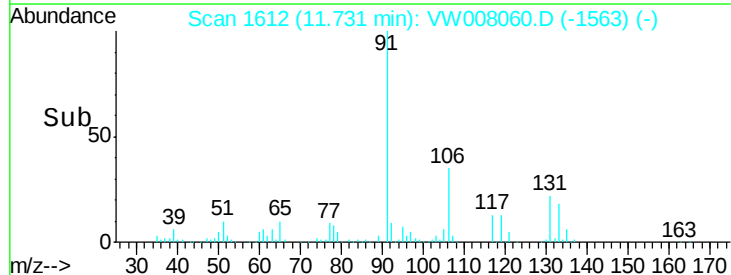
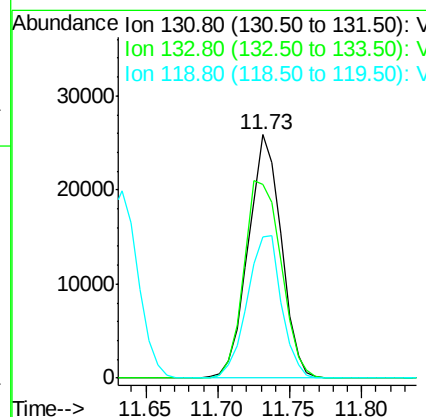
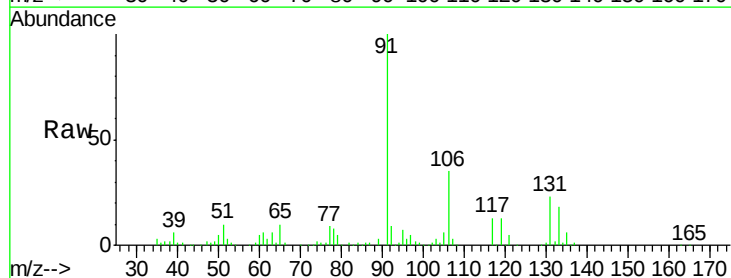
Tgt Ion:131 Resp: 41052

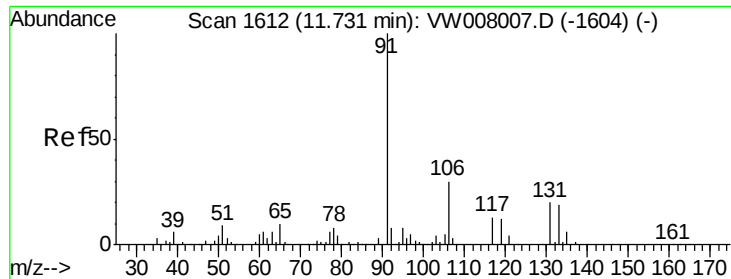
Ion Ratio Lower Upper

131 100

133 91.5 49.1 147.3

119 60.5 30.6 91.6





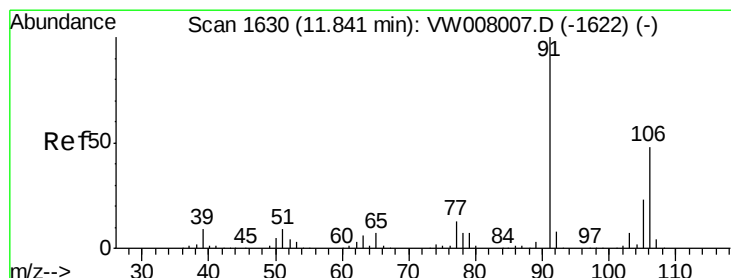
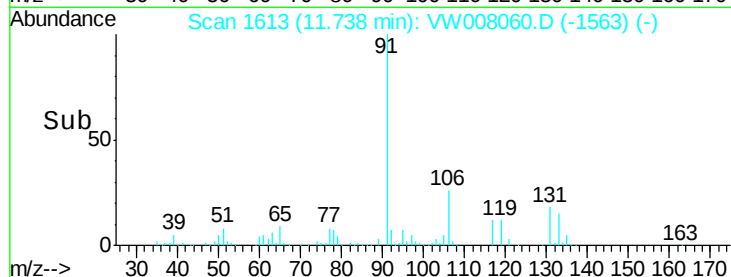
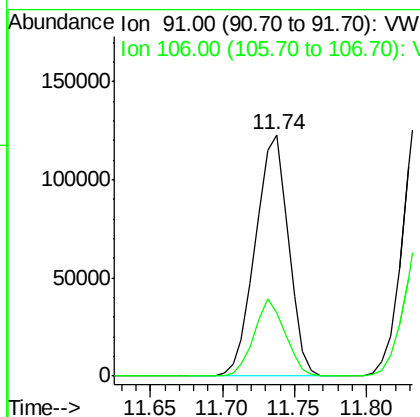
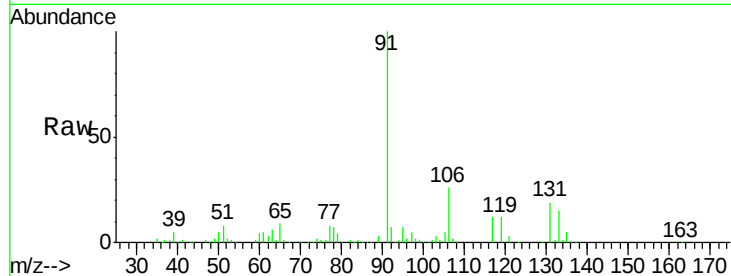
#67
Ethyl Benzene
Concen: 51.588 ug/l
RT: 11.74 min Scan# 1613
Delta R.T. 0.01 min
Lab File: VW008060.D
Acq: 04 Jan 2019 21:13

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tot Ion: 91 Resp: 194904
Ion Ratio Lower Upper
91 100
106 26.4 24.3 36.5

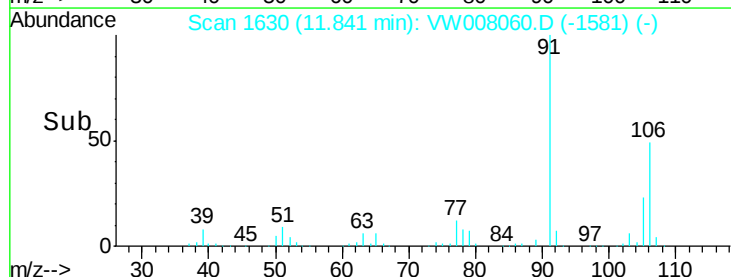
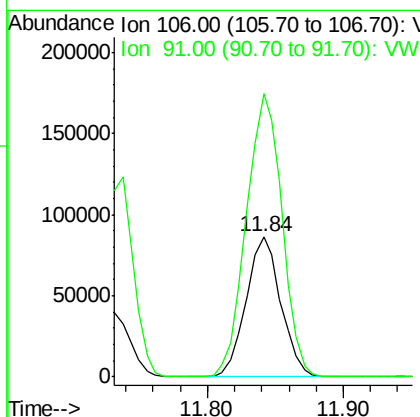
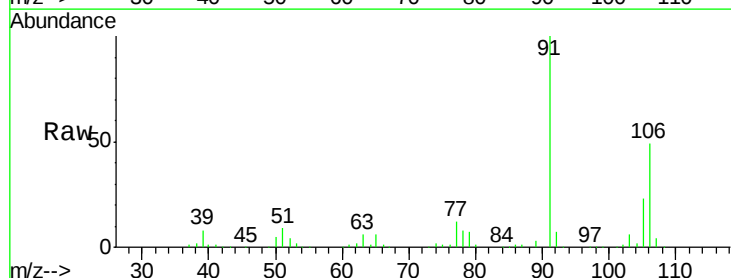
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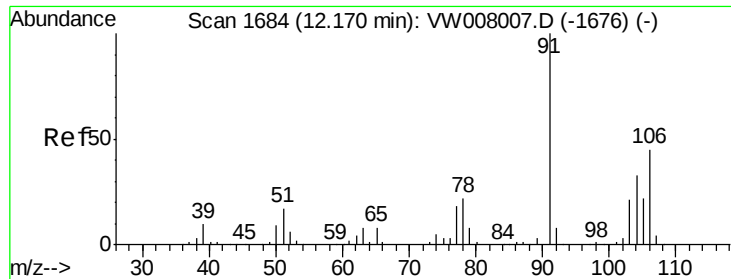
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#68
m/p-Xylenes
Concen: 105.511 ug/l
RT: 11.84 min Scan# 1630
Delta R.T. 0.00 min
Lab File: VW008060.D
Acq: 04 Jan 2019 21:13

Tgt Ion: 106 Resp: 154114
Ion Ratio Lower Upper
106 100
91 208.6 165.8 248.8





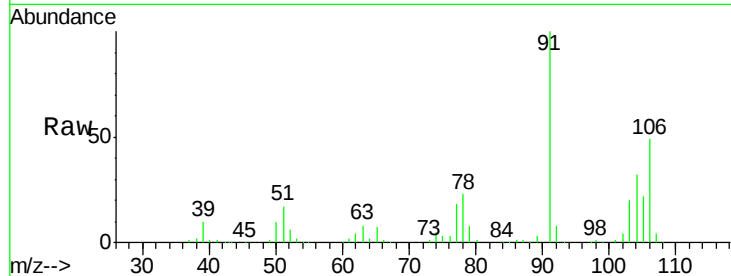
#69
o-Xylene
Concen: 52.889 ug/l
RT: 12.17 min Scan# 1684
Delta R.T. 0.00 min
Lab File: VW008060.D
Acq: 04 Jan 2019 21:13

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

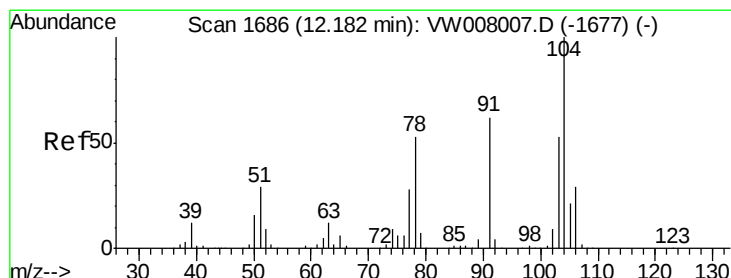
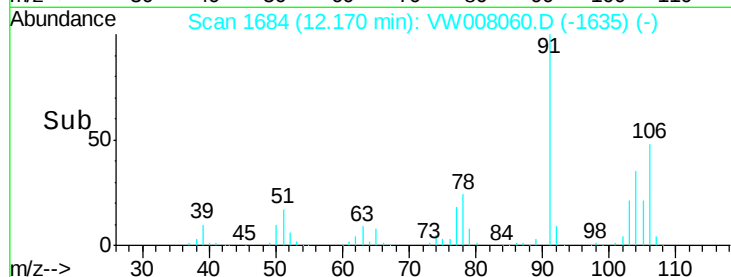
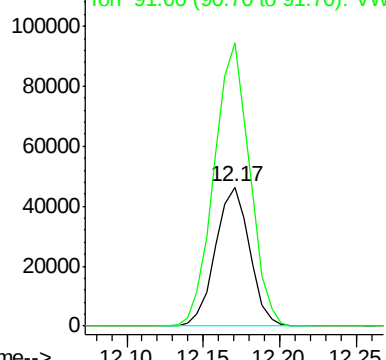
Tot Ion:106 Resp: 71882
Ion Ratio Lower Upper
106 100
91 212.2 110.6 331.6

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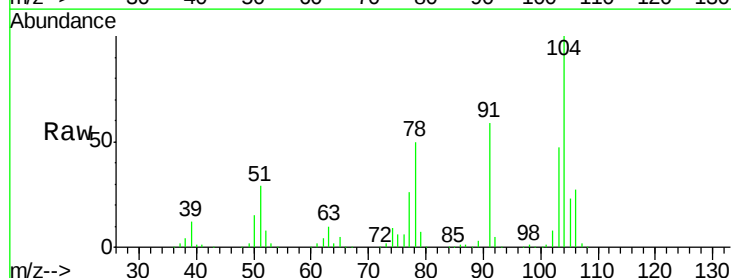


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): V

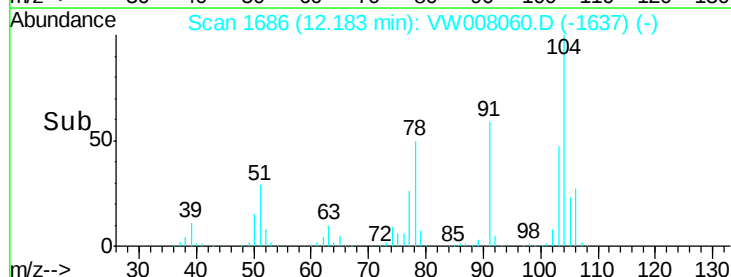
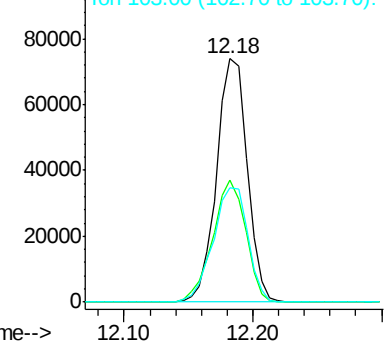


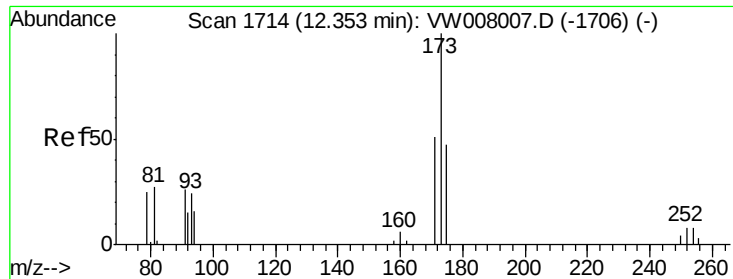
#70
Styrene
Concen: 54.617 ug/l
RT: 12.18 min Scan# 1686
Delta R.T. 0.00 min
Lab File: VW008060.D
Acq: 04 Jan 2019 21:13

Tgt Ion:104 Resp: 120990
Ion Ratio Lower Upper
104 100
78 54.0 44.0 66.0
103 53.7 44.6 66.8



Abundance Ion 104.00 (103.70 to 104.70): V
Ion 78.00 (77.70 to 78.70): V
Ion 103.00 (102.70 to 103.70): V





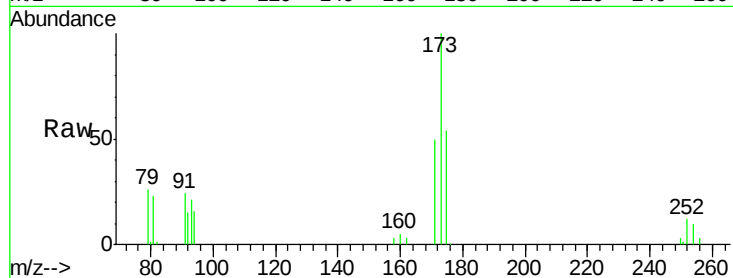
#71
Bromoform
Concen: 55.111 ug/l
RT: 12.35 min Scan# 1714
Delta R.T. 0.00 min
Lab File: VW008060.D
Acq: 04 Jan 2019 21:13

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

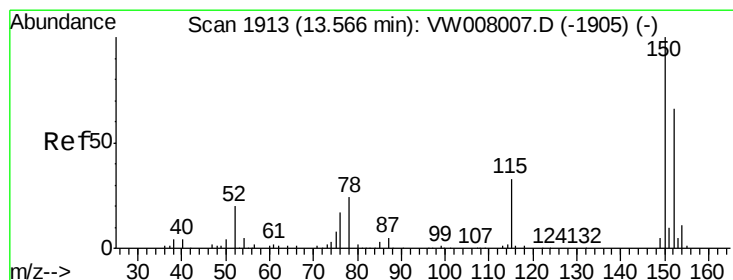
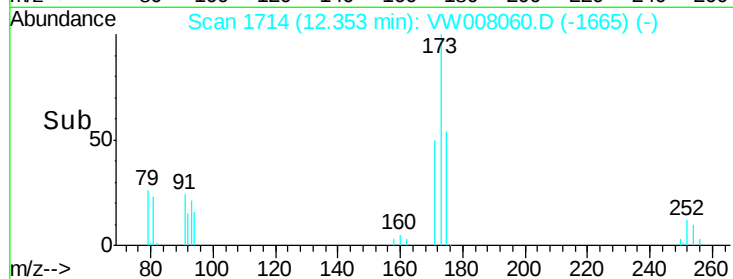
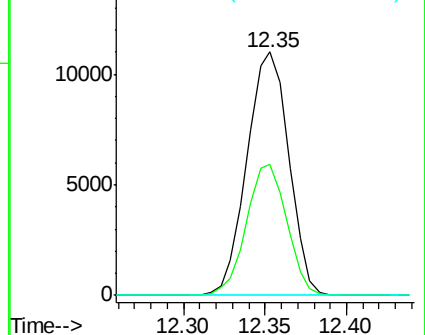
Tot Ion	Ratio	Lower	Upper
173	100		
175	52.1	23.6	71.0
254	0.0	0.0	0.0

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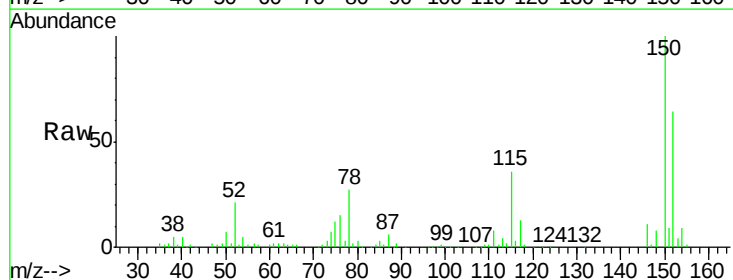


Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V

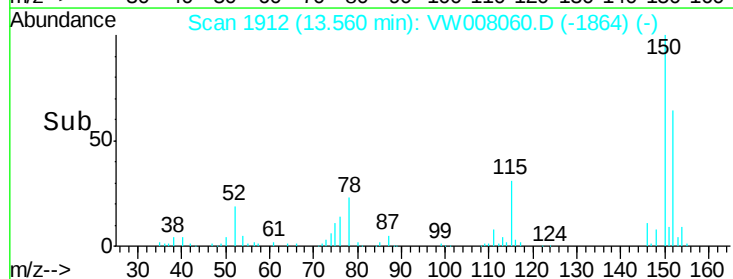
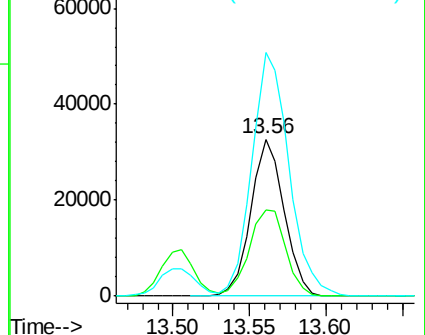


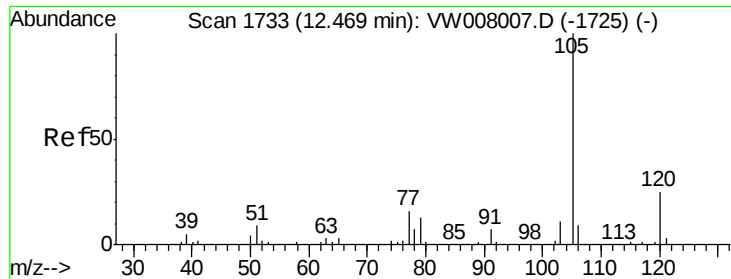
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.56 min Scan# 1912
Delta R.T. -0.01 min
Lab File: VW008060.D
Acq: 04 Jan 2019 21:13

Tgt Ion	Ratio	Lower	Upper
152	100		
115	60.7	32.1	96.5
150	173.8	0.0	345.0



Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 49.789 ug/l

RT: 12.47 min Scan# 1733

Delta R.T. 0.00 min

Lab File: VW008060.D

Acq: 04 Jan 2019 21:13

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

Tot Ion: 105 Resp: 195498

Ion Ratio Lower Upper

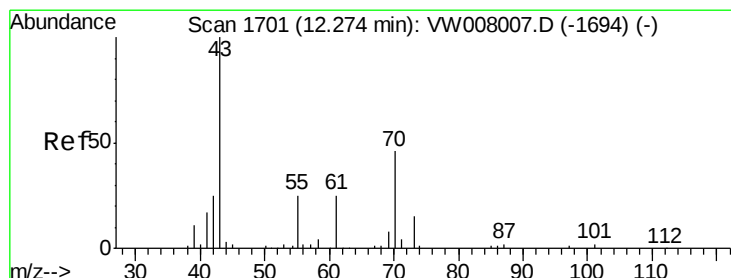
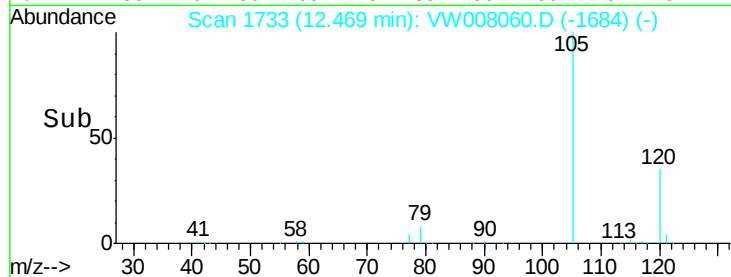
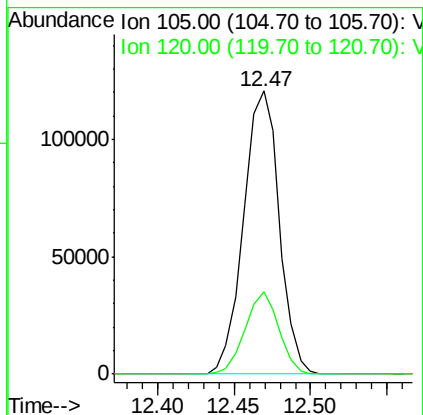
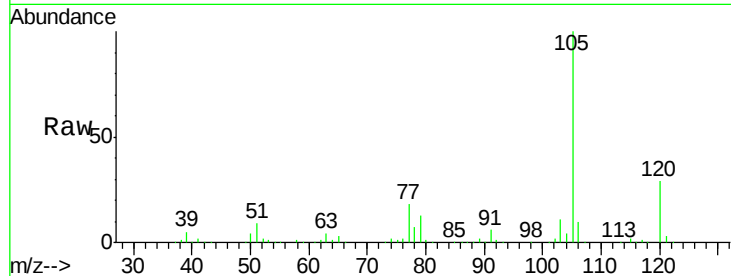
105 100

120 27.4 12.8 38.3

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#74

N-ethyl acetate

Concen: 52.349 ug/l

RT: 12.27 min Scan# 1701

Delta R.T. 0.00 min

Lab File: VW008060.D

Acq: 04 Jan 2019 21:13

Tgt Ion: 43 Resp: 31996

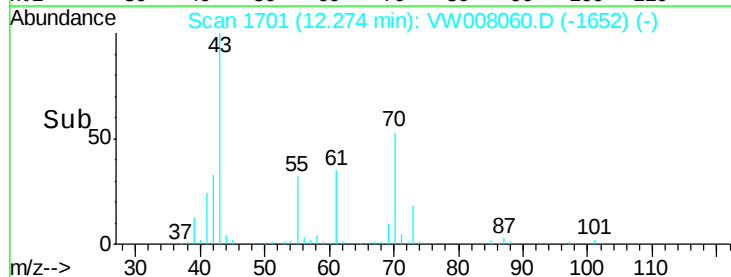
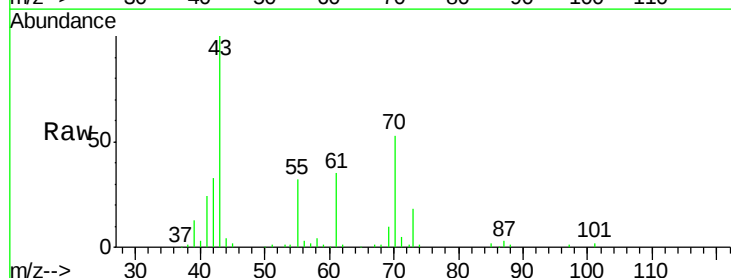
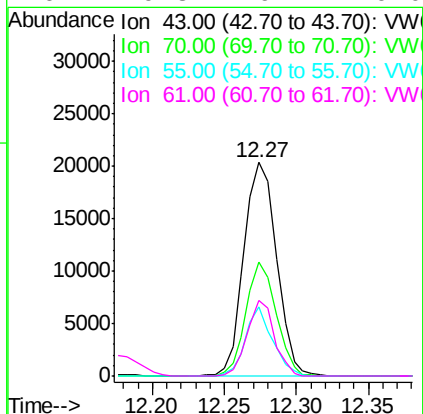
Ion Ratio Lower Upper

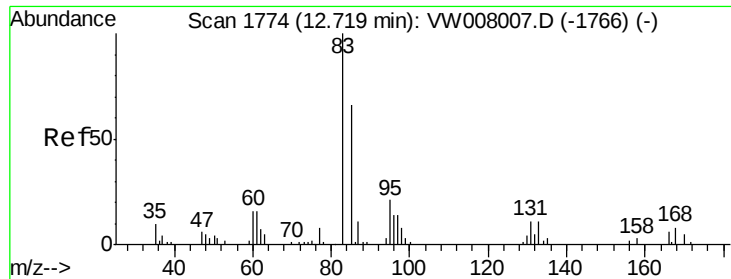
43 100

70 49.5 35.2 52.8

55 26.9 21.4 32.0

61 29.3 19.4 29.0#





#75

1,1,2,2-Tetrachloroethane

Concen: 56.962 ug/l

RT: 12.72 min Scan# 1774

Delta R.T. 0.00 min

Lab File: VW008060.D

Acq: 04 Jan 2019 21:13

Instrument :

MSVOA_W

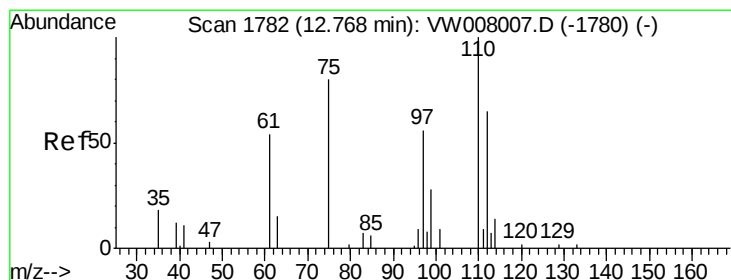
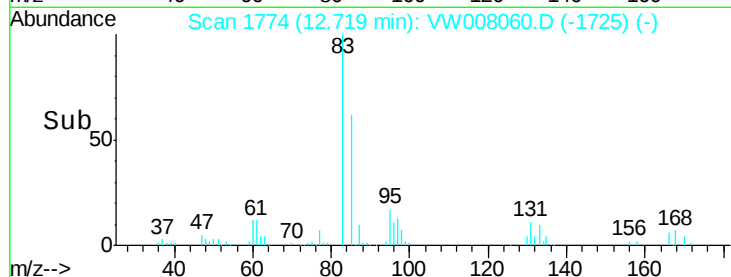
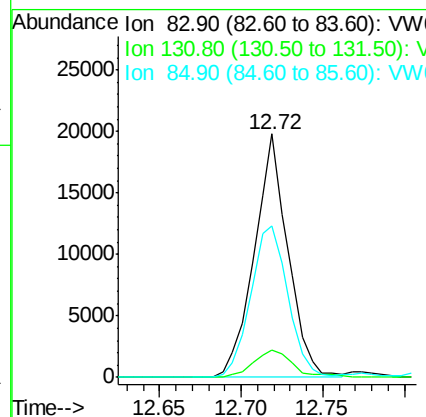
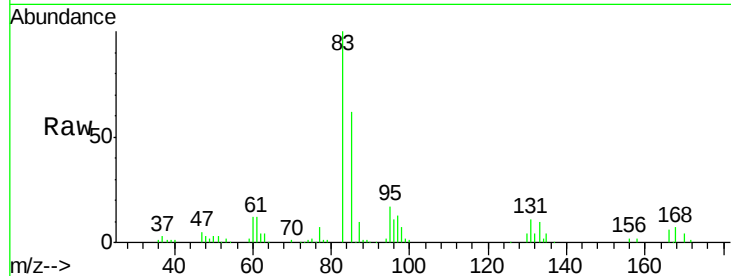
ClientSampleId :

VSTDCCC050EC

Tot Ion:	83	Resp:	28458
Ion Ratio	Lower	Upper	
83	100		
131	13.2	6.5	19.5
85	68.7	32.8	98.3

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#76

1,2,3-Trichloropropane

Concen: 68.230 ug/l m

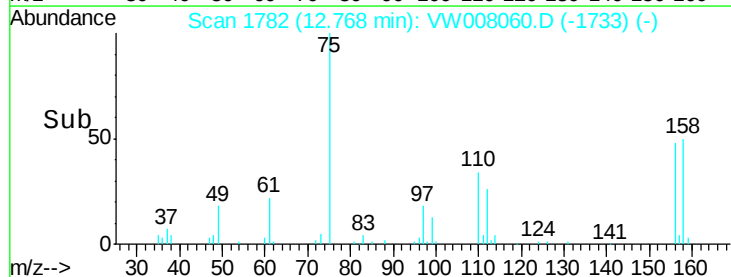
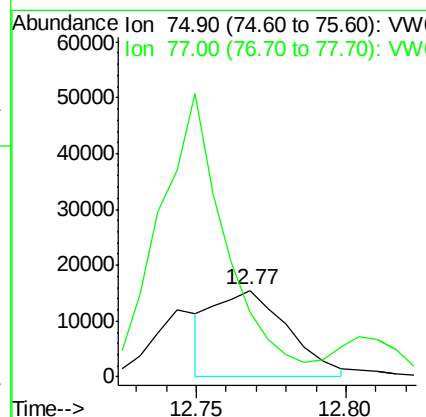
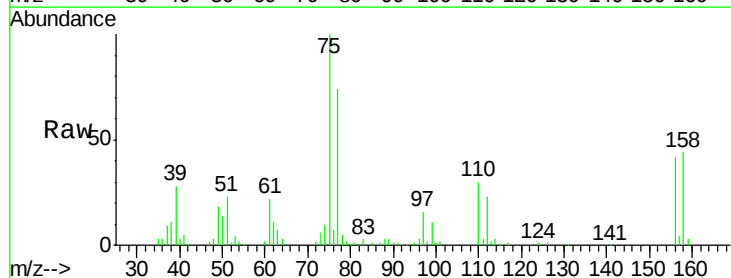
RT: 12.77 min Scan# 1782

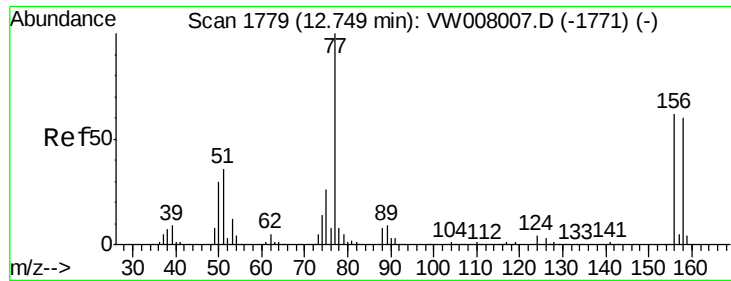
Delta R.T. 0.00 min

Lab File: VW008060.D

Acq: 04 Jan 2019 21:13

Tgt Ion:	75	Resp:	26803
Ion Ratio	Lower	Upper	
75	100		
77	295.9	186.2	558.6





#77

Bromobenzene

Concen: 51.592 ug/l

RT: 12.75 min Scan# 1779

Delta R.T. 0.00 min

Lab File: VW008060.D

Acq: 04 Jan 2019 21:13

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

Tot Ion:156 Resp: 43541

Ion Ratio Lower Upper

156 100

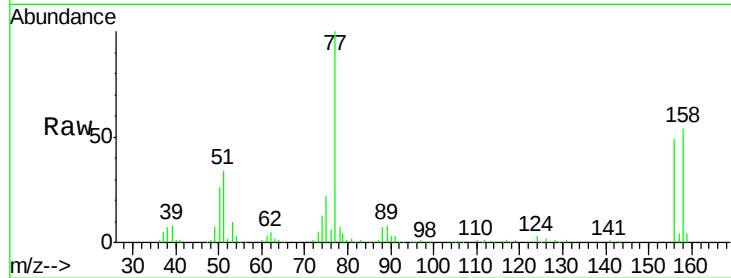
77 182.2 87.9 263.8

158 99.2 47.8 143.4

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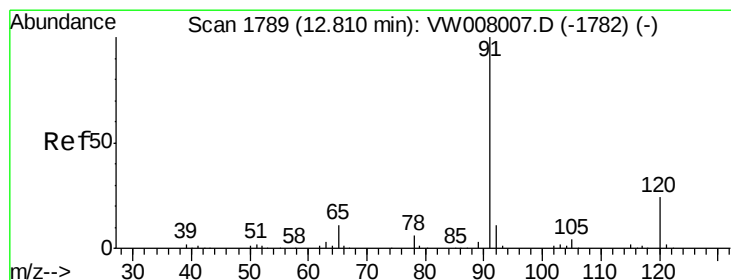
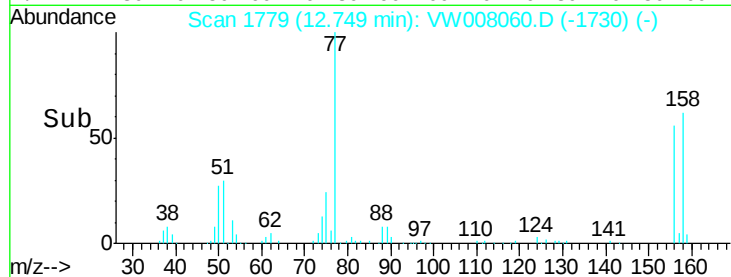
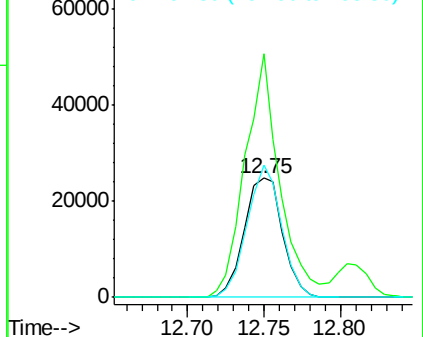
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Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VW

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 49.650 ug/l

RT: 12.80 min Scan# 1788

Delta R.T. -0.01 min

Lab File: VW008060.D

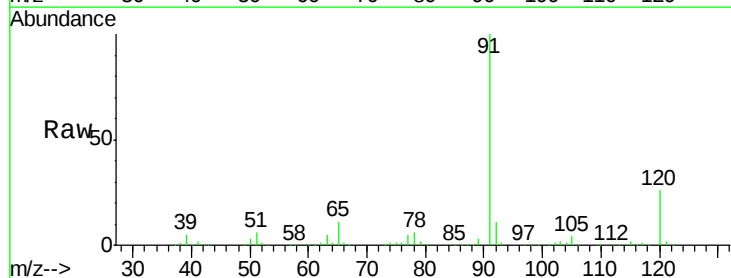
Acq: 04 Jan 2019 21:13

Tgt Ion: 91 Resp: 226027

Ion Ratio Lower Upper

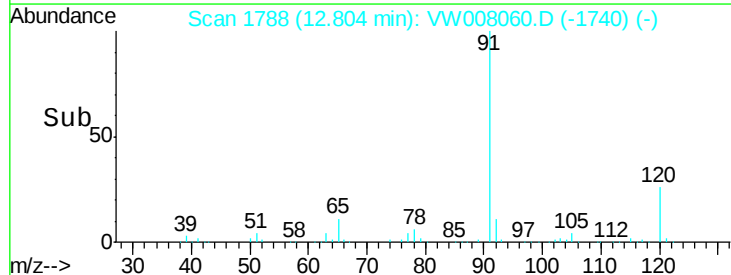
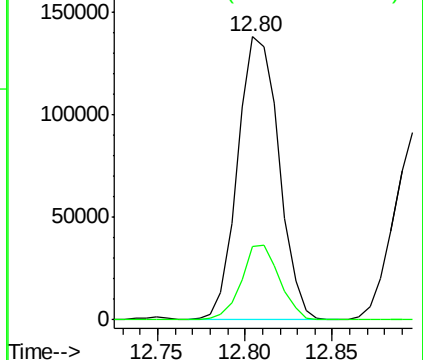
91 100

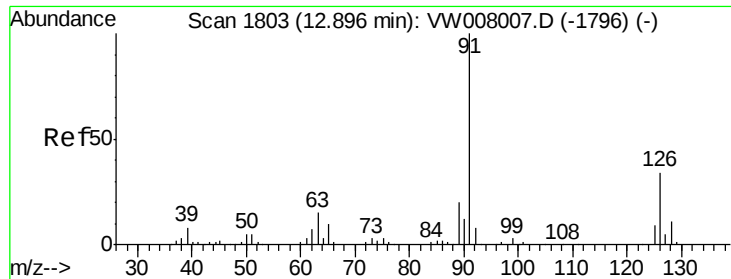
120 24.6 11.5 34.5



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 120.00 (119.70 to 120.70): V





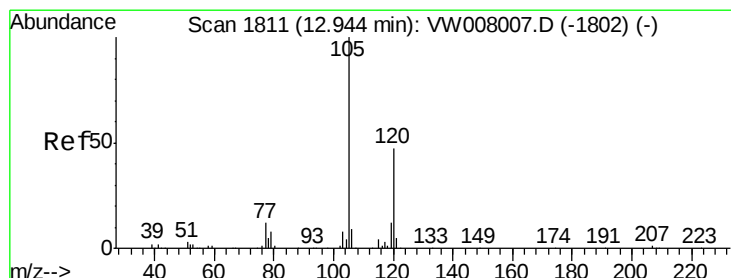
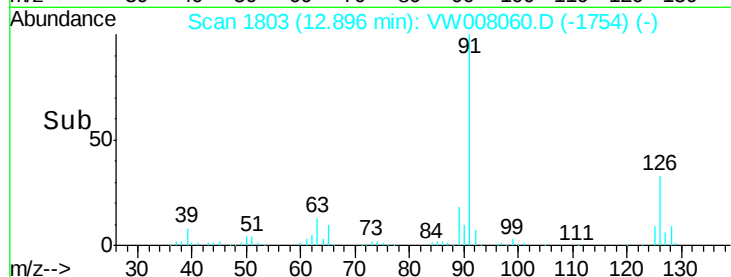
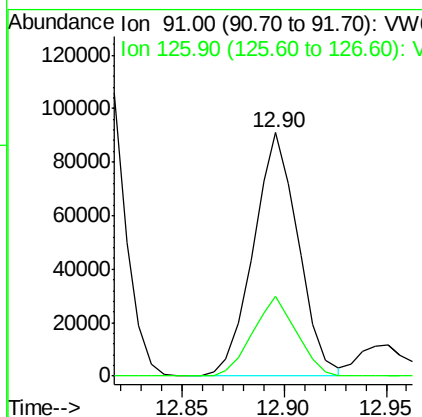
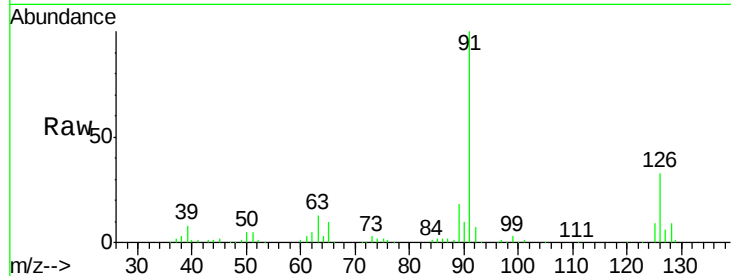
#79
 2-Chlorotoluene
 Concen: 52.869 ug/l
 RT: 12.90 min Scan# 1803
 Delta R.T. 0.00 min
 Lab File: VW008060.D
 Acq: 04 Jan 2019 21:13

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
91	100		
126	32.5	17.1	51.2

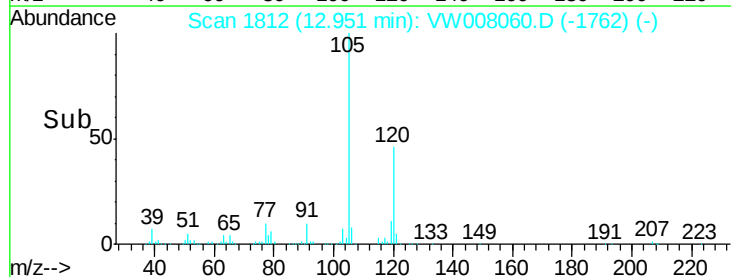
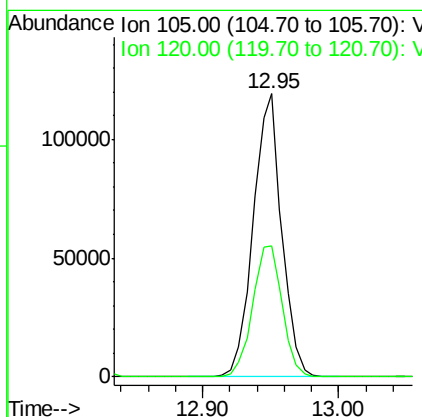
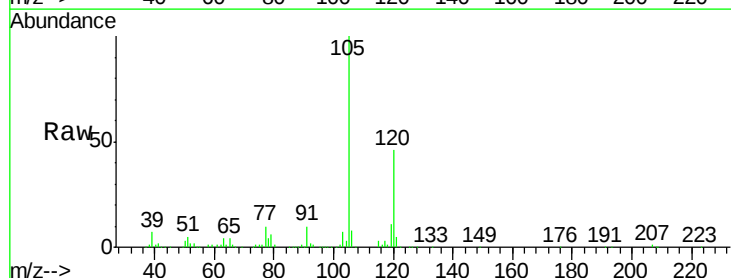
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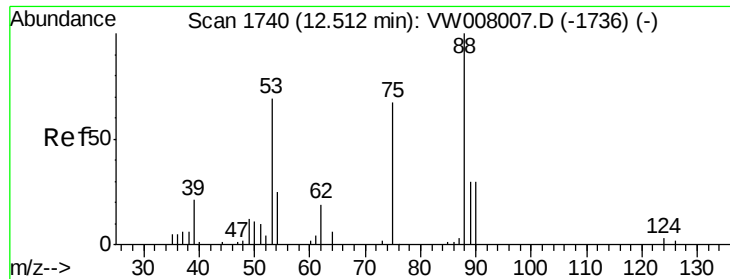
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#80
 1,3,5-Trimethylbenzene
 Concen: 51.786 ug/l
 RT: 12.95 min Scan# 1812
 Delta R.T. 0.01 min
 Lab File: VW008060.D
 Acq: 04 Jan 2019 21:13

Tgt Ion	Ratio	Lower	Upper
105	100		
120	48.3	23.3	69.9





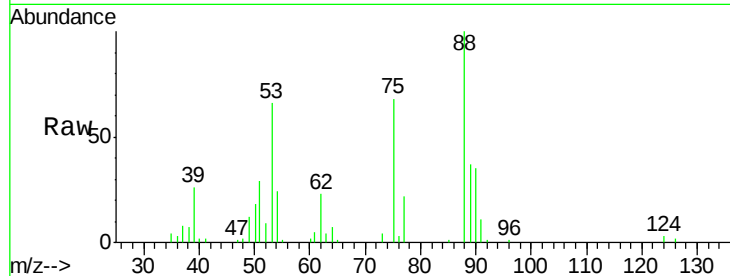
#81
trans-1,4-Dichloro-2-butene
Concen: 57.165 ug/l
RT: 12.52 min Scan# 1741
Delta R.T. 0.01 min
Lab File: VW008060.D
Acq: 04 Jan 2019 21:13

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

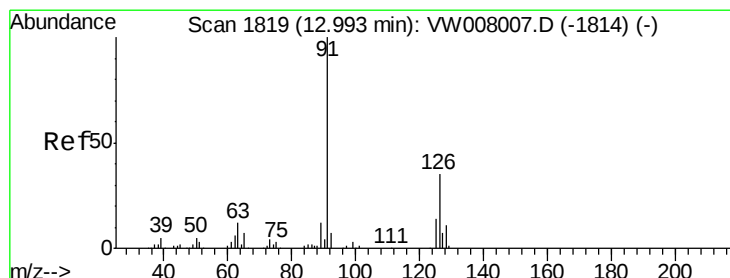
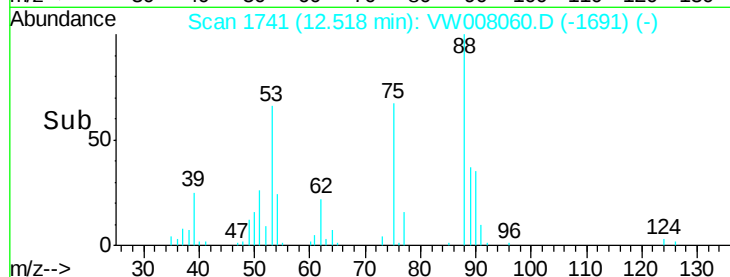
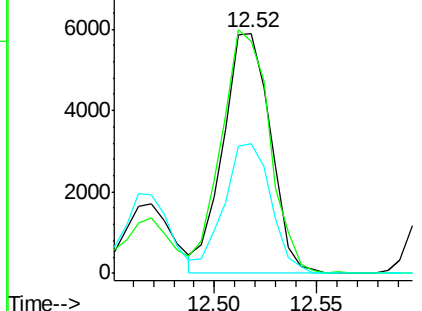
Tot Ion	Ratio	Lower	Upper
75	100		
53	103.4	87.6	131.4
89	53.9	42.2	63.2

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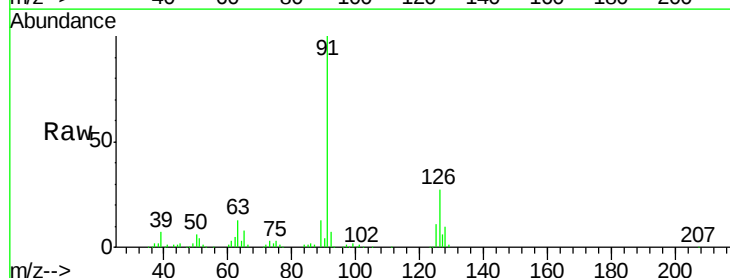


Abundance Ion 74.90 (74.60 to 75.60): VW
Ion 53.00 (52.70 to 53.70): VW
Ion 88.90 (88.60 to 89.60): VW

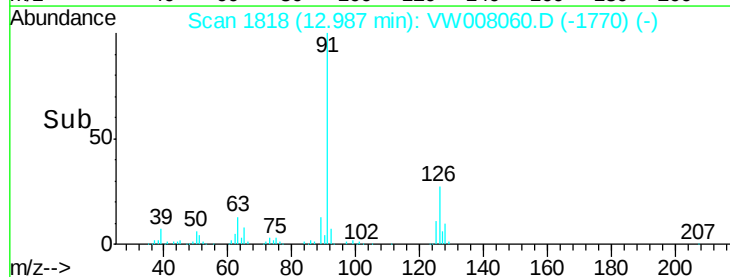
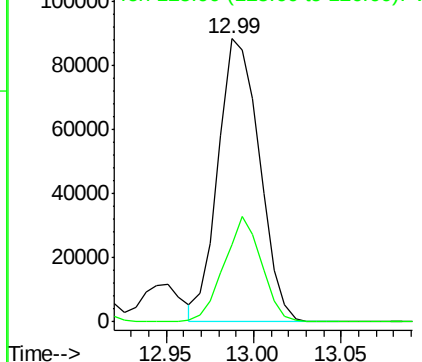


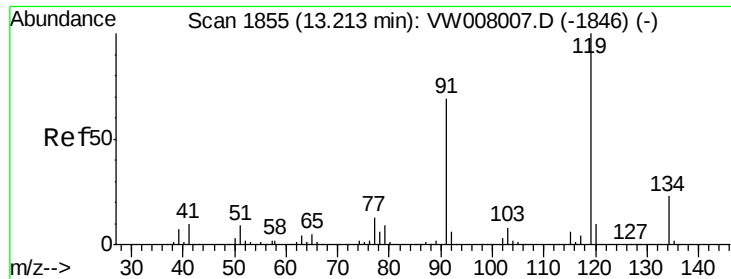
#82
4-Chlorotoluene
Concen: 51.784 ug/l
RT: 12.99 min Scan# 1818
Delta R.T. -0.01 min
Lab File: VW008060.D
Acq: 04 Jan 2019 21:13

Tgt Ion	Ratio	Lower	Upper
91	100		
126	33.7	16.7	50.1



Abundance Ion 91.00 (90.70 to 91.70): VW
Ion 125.90 (125.60 to 126.60): V





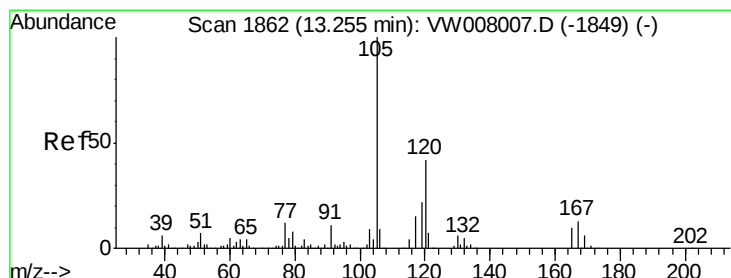
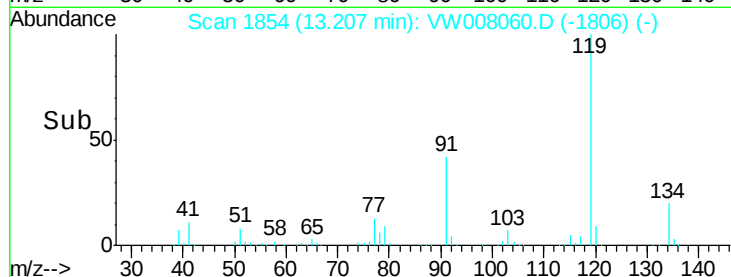
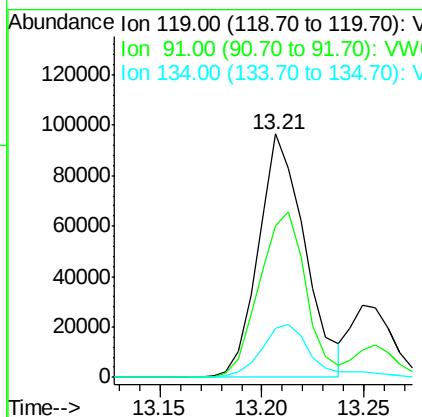
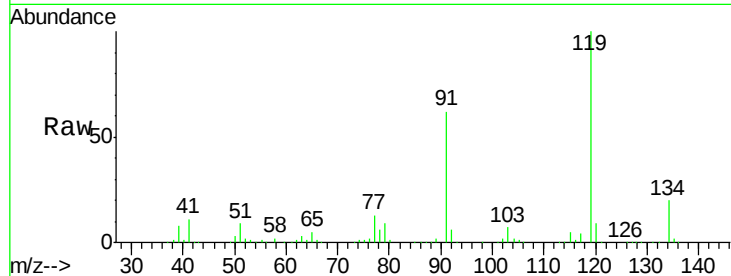
#83
tert-Butylbenzene
Concen: 51.917 ug/l
RT: 13.21 min Scan# 1854
Delta R.T. -0.01 min
Lab File: VW008060.D
Acq: 04 Jan 2019 21:13

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
119	100		
91	68.1	34.7	104.1
134	23.9	11.5	34.4

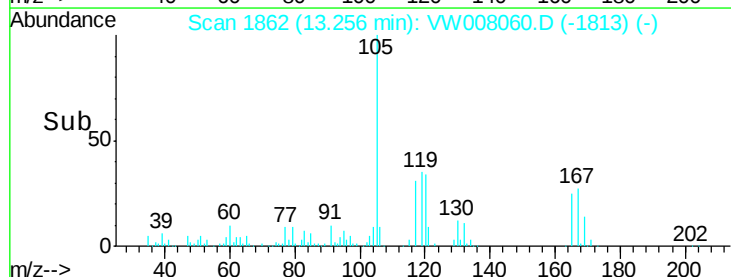
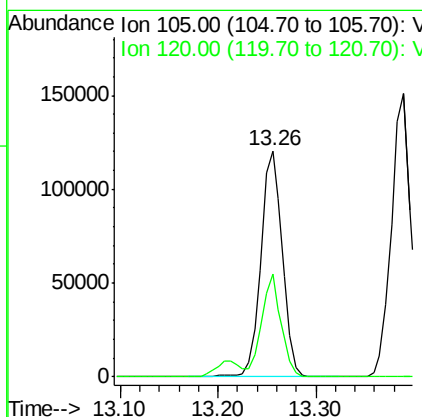
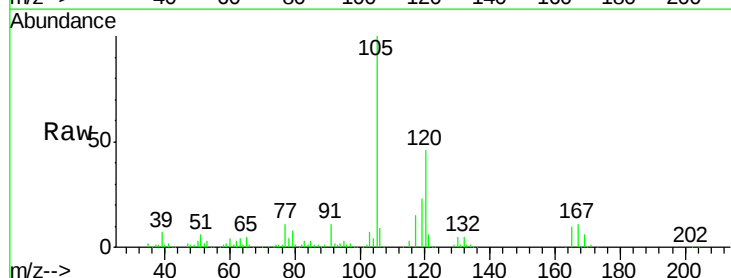
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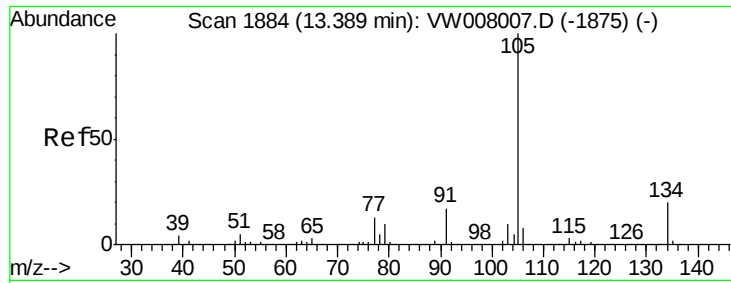
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#84
1,2,4-Trimethylbenzene
Concen: 53.649 ug/l
RT: 13.26 min Scan# 1862
Delta R.T. 0.00 min
Lab File: VW008060.D
Acq: 04 Jan 2019 21:13

Tgt Ion	Ratio	Lower	Upper
105	100		
120	40.9	21.5	64.5





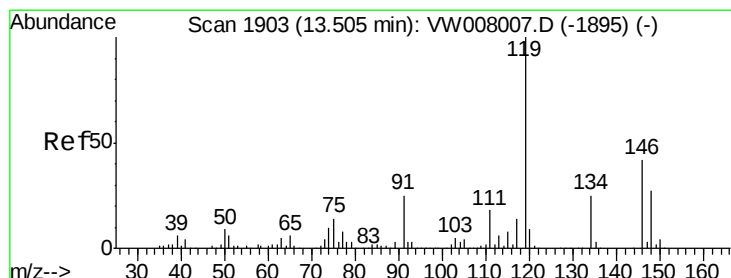
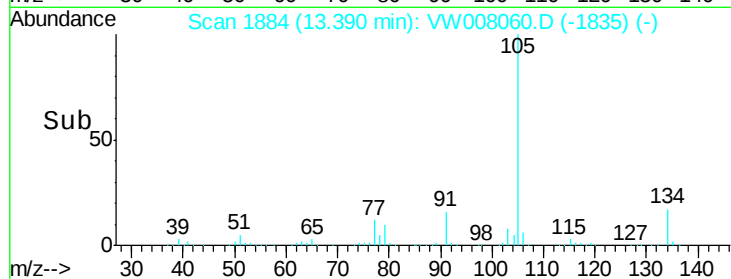
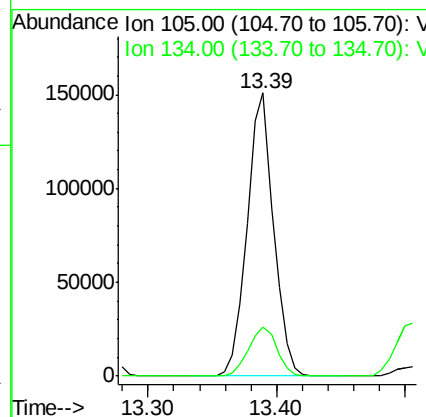
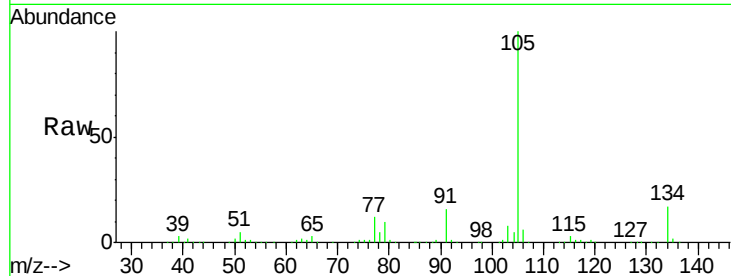
#85
 sec-Butylbenzene
 Concen: 52.144 ug/l
 RT: 13.39 min Scan# 1884
 Delta R.T. 0.00 min
 Lab File: VW008060.D
 Acq: 04 Jan 2019 21:13

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
105	100		
134	18.9	9.7	28.9

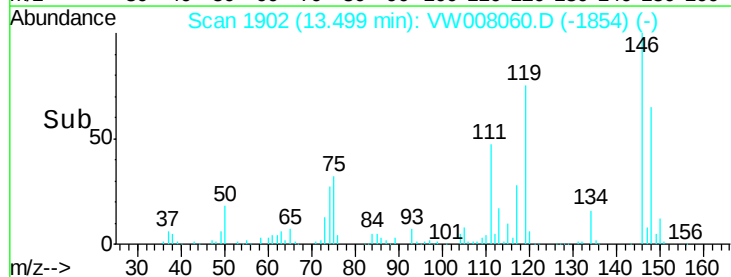
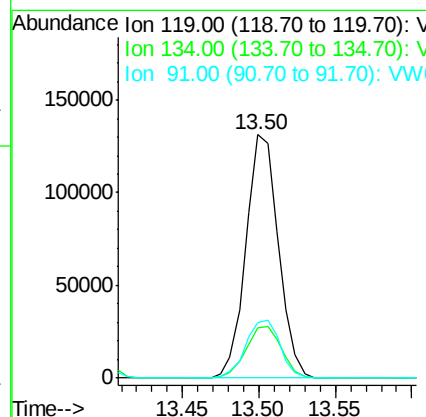
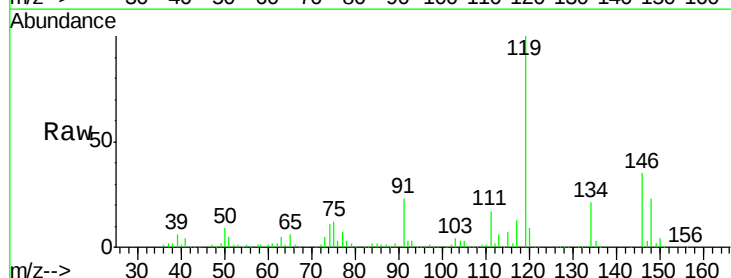
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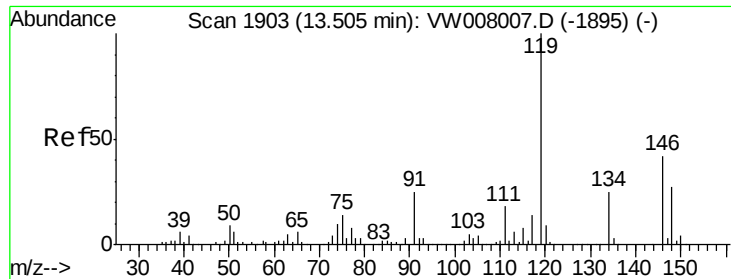
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#86
 p-Isopropyltoluene
 Concen: 52.817 ug/l
 RT: 13.50 min Scan# 1902
 Delta R.T. -0.01 min
 Lab File: VW008060.D
 Acq: 04 Jan 2019 21:13

Tgt Ion	Ratio	Lower	Upper
119	100		
134	23.1	12.5	37.5
91	25.2	13.1	39.3





#87

1,3-Dichlorobenzene

Concen: 48.840 ug/l

RT: 13.51 min Scan# 1903

Delta R.T. 0.00 min

Lab File: VW008060.D

Acq: 04 Jan 2019 21:13

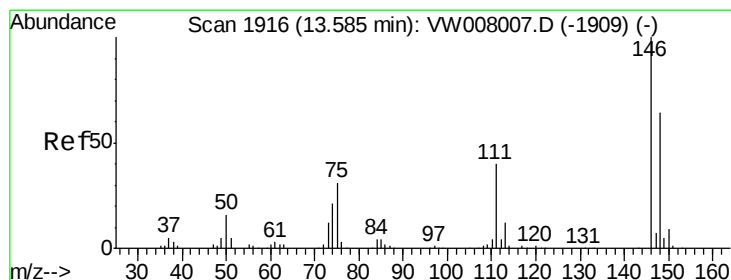
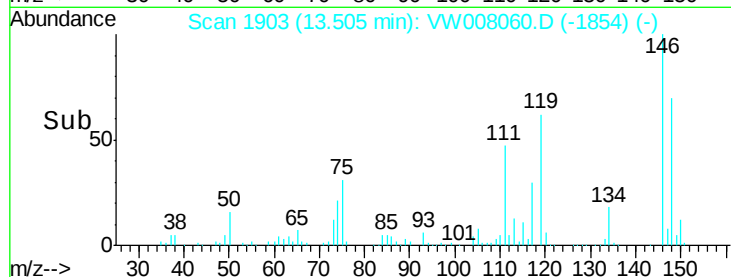
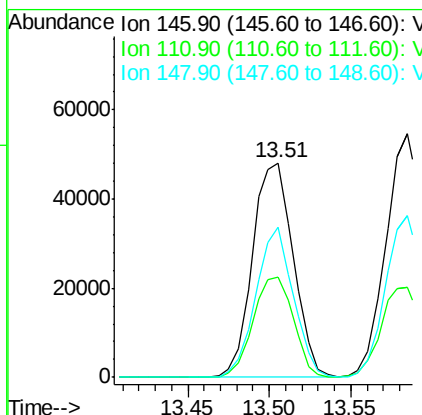
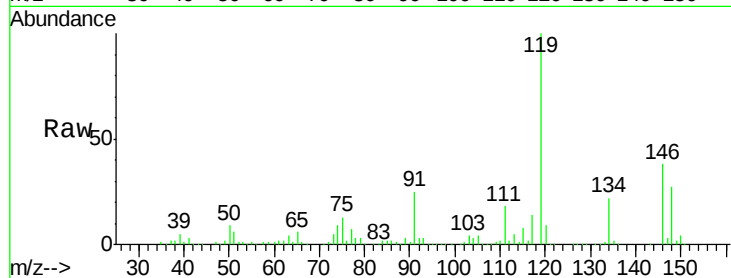
Instrument :
MSVOA_W

ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
146	100		
111	46.4	21.4	64.2
148	64.5	31.9	95.5

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#88

1,4-Dichlorobenzene

Concen: 52.052 ug/l

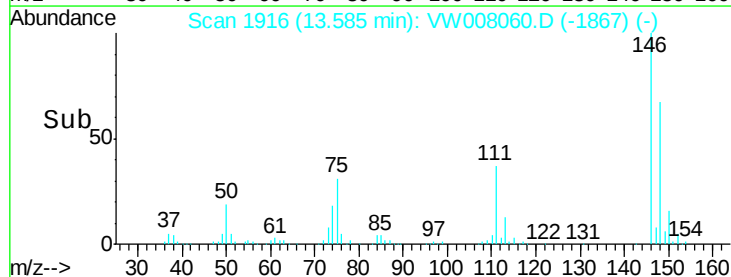
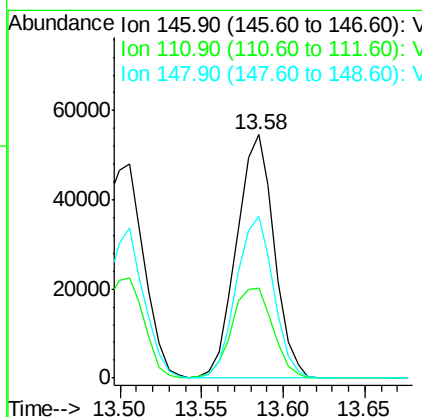
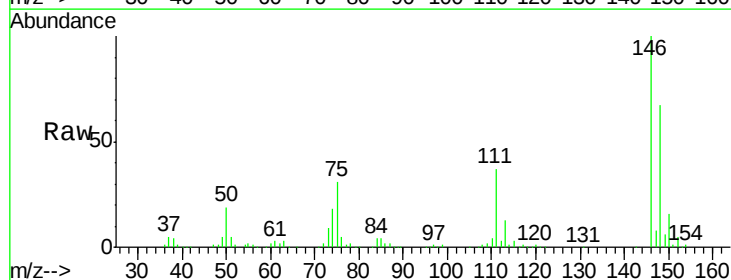
RT: 13.58 min Scan# 1916

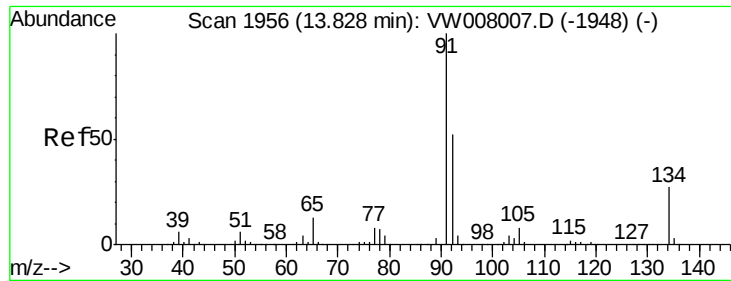
Delta R.T. 0.00 min

Lab File: VW008060.D

Acq: 04 Jan 2019 21:13

Tgt Ion	Ratio	Lower	Upper
146	100		
111	40.6	20.9	62.8
148	66.0	31.9	95.9





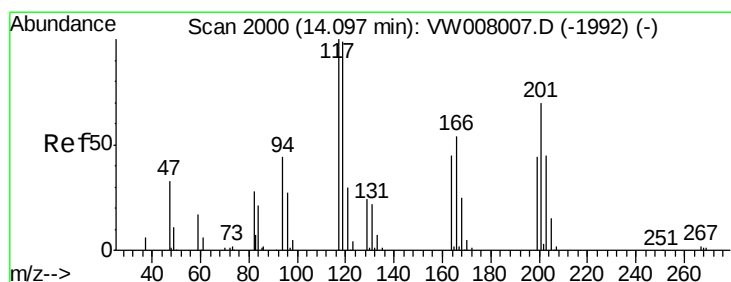
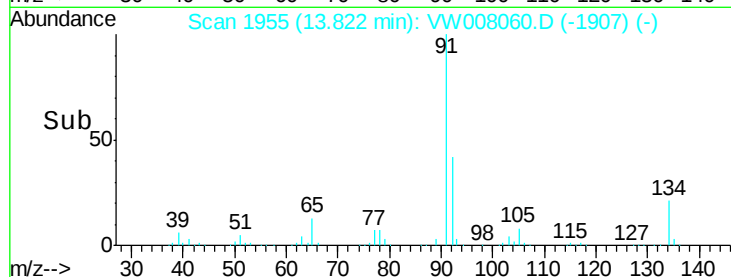
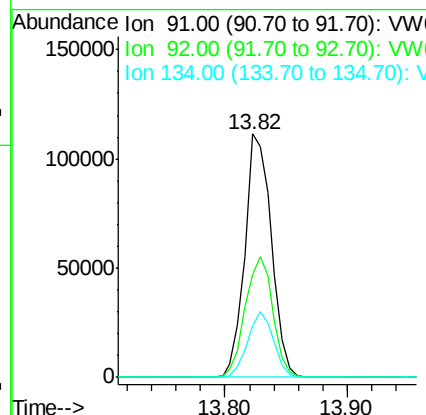
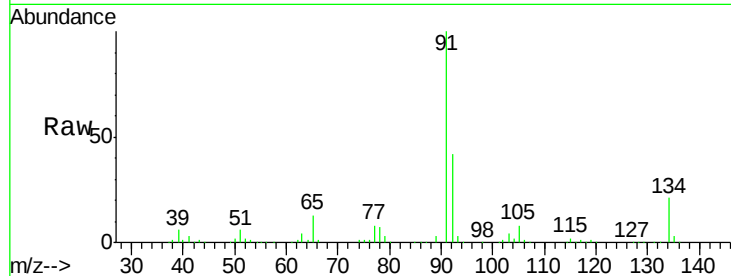
#89
n-Butylbenzene
Concen: 49.818 ug/l
RT: 13.82 min Scan# 1955
Delta R.T. -0.01 min
Lab File: VW008060.D
Acq: 04 Jan 2019 21:13

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
91	100		
92	51.4	26.4	79.2
134	26.4	13.4	40.2

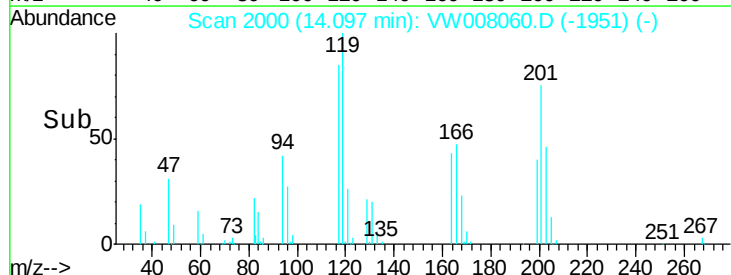
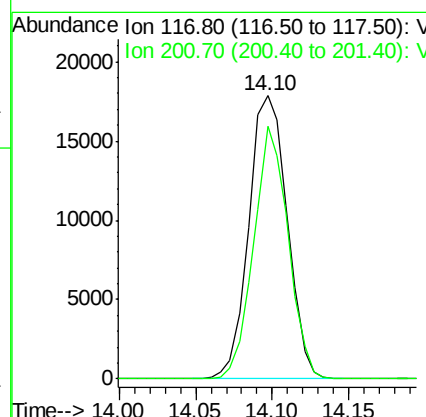
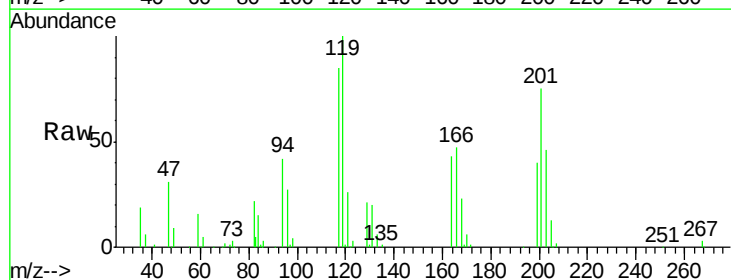
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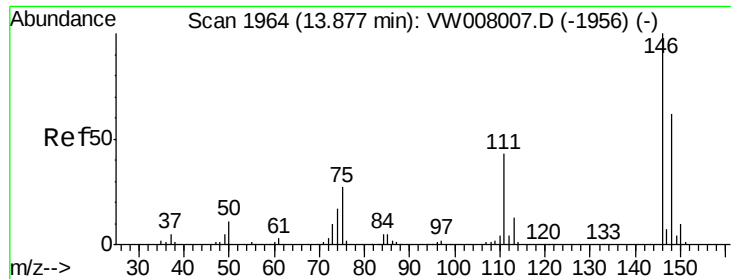
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#90
Hexachloroethane
Concen: 48.921 ug/l
RT: 14.10 min Scan# 2000
Delta R.T. 0.00 min
Lab File: VW008060.D
Acq: 04 Jan 2019 21:13

Tgt Ion	Ratio	Lower	Upper
117	100		
201	80.4	37.1	111.5





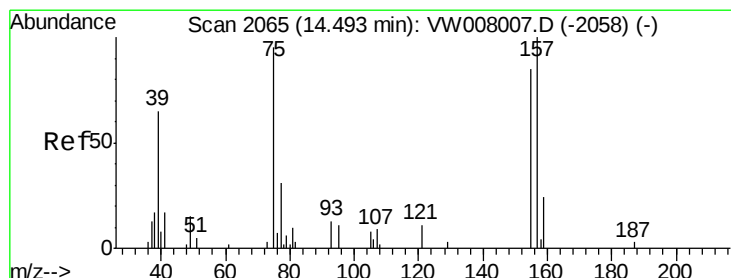
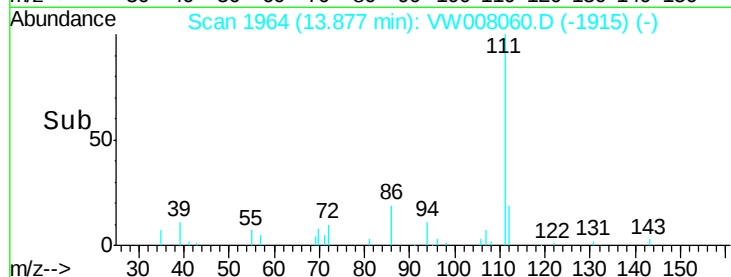
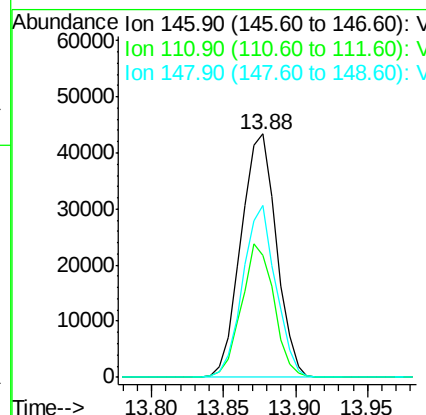
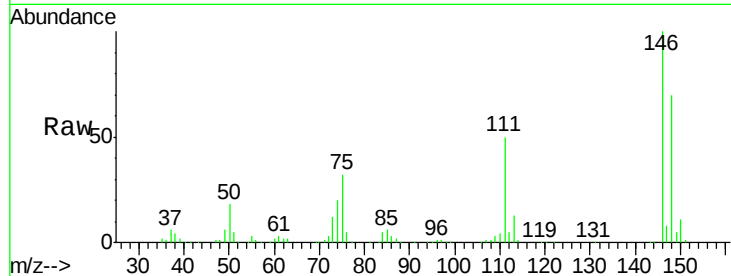
#91
 1,2-Dichlorobenzene
 Concen: 49.590 ug/l
 RT: 13.88 min Scan# 1964
 Delta R.T. 0.00 min
 Lab File: VW008060.D
 Acq: 04 Jan 2019 21:13

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
146	100		
111	50.0	22.6	67.7
148	65.6	32.1	96.3

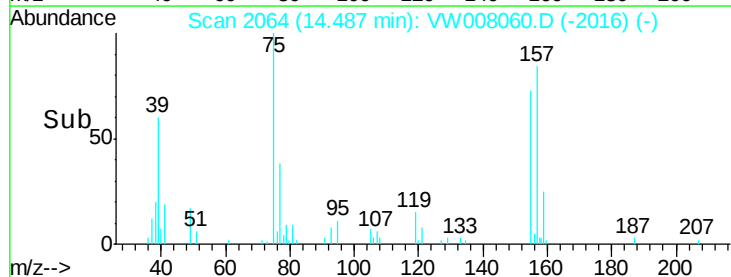
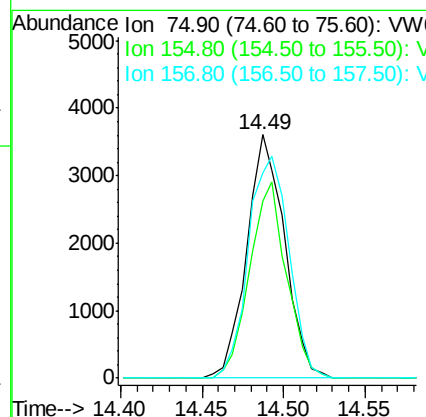
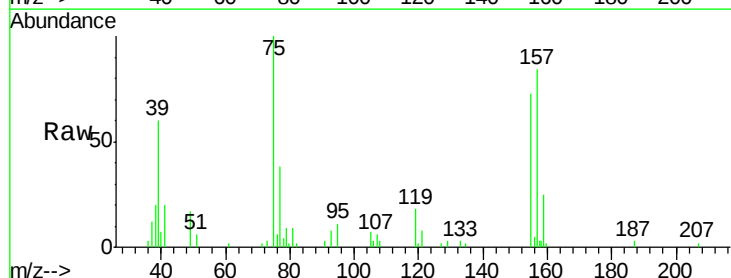
Manual Integrations
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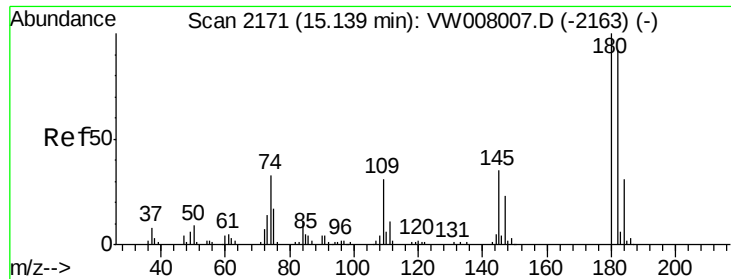
MMDadoda
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 57.466 ug/l
 RT: 14.49 min Scan# 2064
 Delta R.T. -0.01 min
 Lab File: VW008060.D
 Acq: 04 Jan 2019 21:13

Tgt Ion	Ratio	Lower	Upper
75	100		
155	78.6	42.4	127.1
157	97.8	52.3	156.8





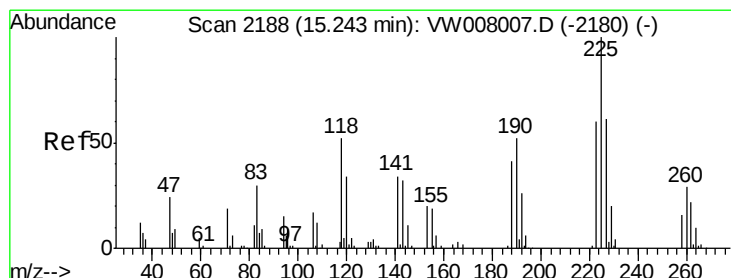
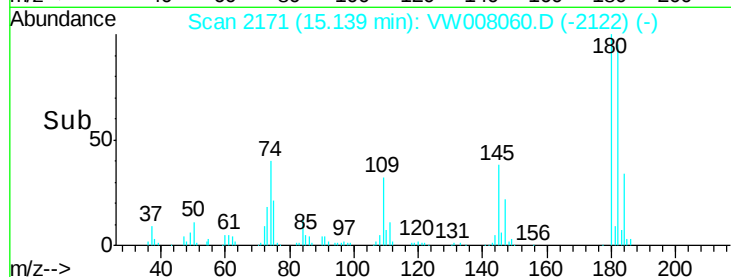
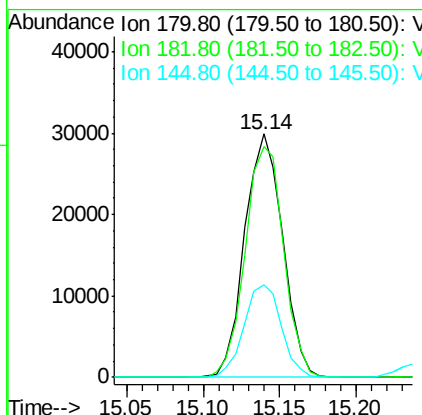
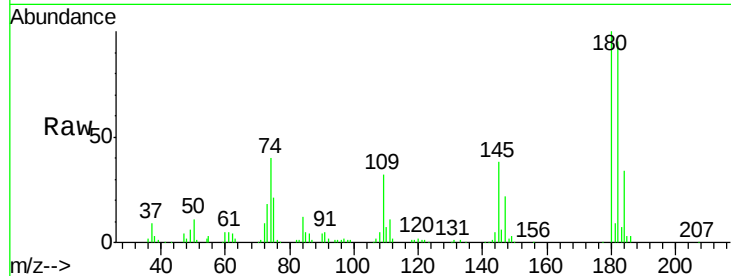
#93
 1,2,4-Trichlorobenzene
 Concen: 49.199 ug/l
 RT: 15.14 min Scan# 2171
 Delta R.T. 0.00 min
 Lab File: VW008060.D
 Acq: 04 Jan 2019 21:13

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
180	100		
182	95.8	46.6	139.8
145	37.6	17.2	51.6

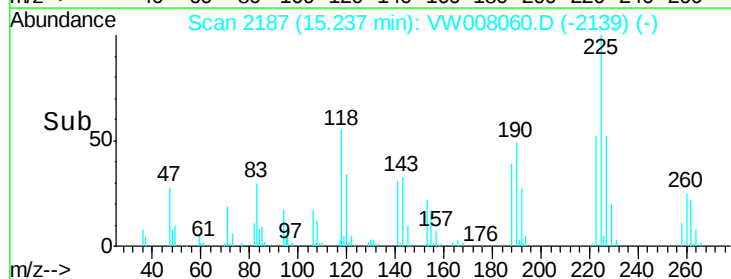
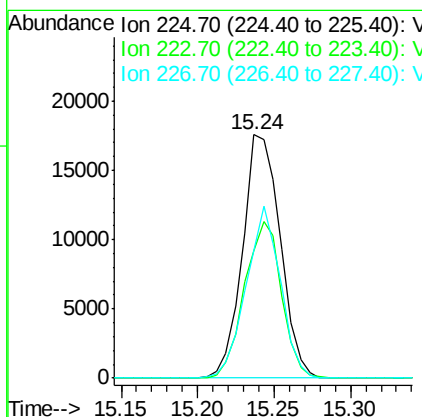
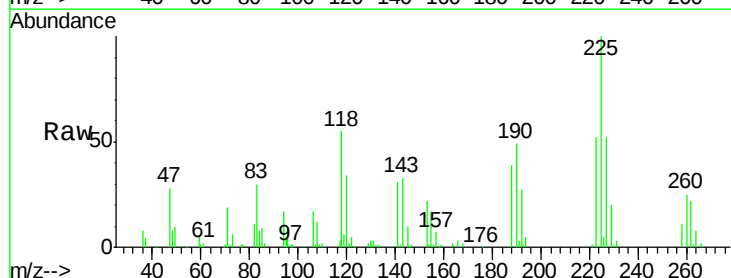
Manual Integrations
 APPROVED

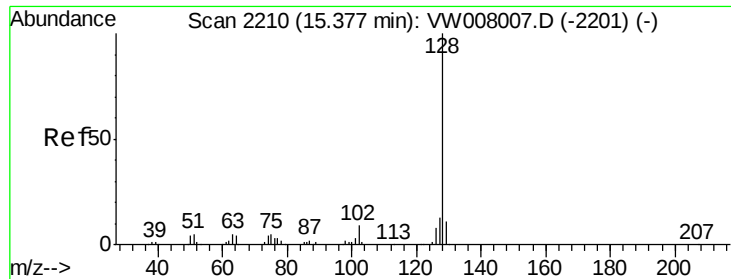
MMDadoda
 1/7/2019 1:23:06 PM



#94
 Hexachlorobutadiene
 Concen: 49.660 ug/l
 RT: 15.24 min Scan# 2187
 Delta R.T. -0.01 min
 Lab File: VW008060.D
 Acq: 04 Jan 2019 21:13

Tgt Ion	Ratio	Lower	Upper
225	100		
223	62.8	30.6	92.0
227	63.9	31.3	93.8





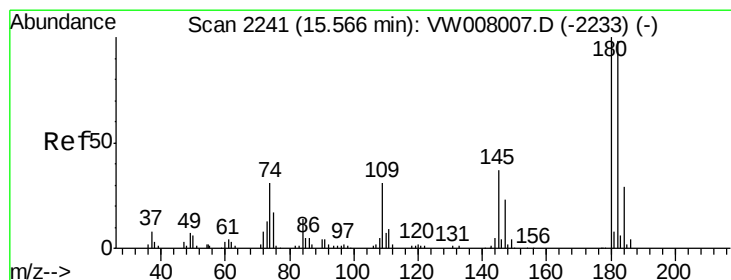
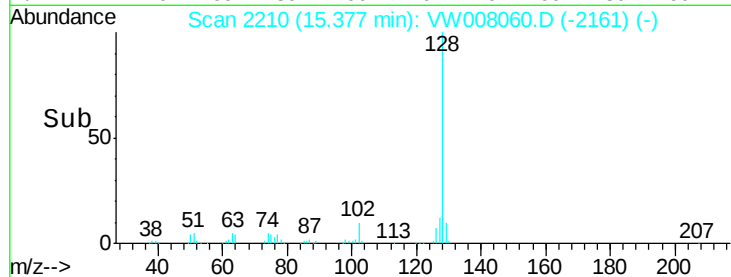
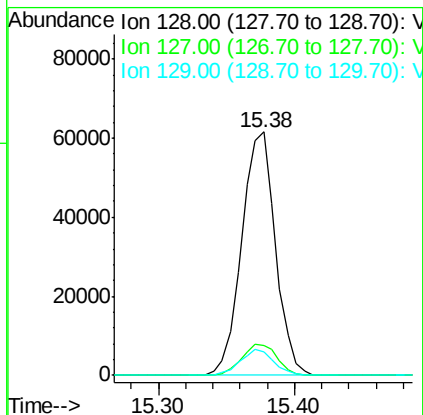
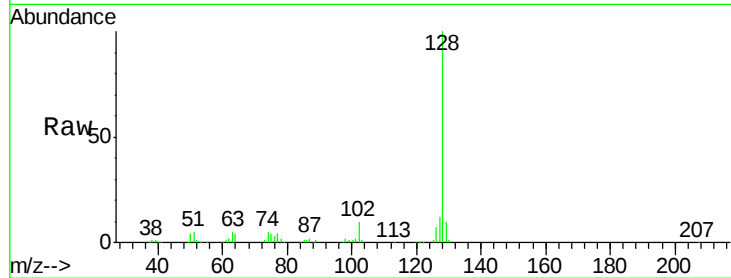
#95
Naphthalene
Concen: 59.495 ug/l
RT: 15.38 min Scan# 2210
Delta R.T. 0.00 min
Lab File: VW008060.D
Acq: 04 Jan 2019 21:13

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
128	100		
127	13.2	10.8	16.2
129	10.5	8.8	13.2

Manual Integrations
APPROVED

MMDadoda
1/7/2019 1:23:06 PM



#96
1,2,3-Trichlorobenzene
Concen: 54.403 ug/l
RT: 15.57 min Scan# 2241
Delta R.T. 0.00 min
Lab File: VW008060.D
Acq: 04 Jan 2019 21:13

Tgt Ion	Ratio	Lower	Upper
180	100		
182	96.7	47.9	143.8
145	36.7	18.7	56.1

