

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW030719\
 Data File : VW009034.D
 Acq On : 07 Mar 2019 12:12
 Operator : SY/VA
 Sample : VSTDICCC050
 Misc : 5.00G/5ML/MSVOA W/SOIL
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDICCC050

Manual Integrations
 APPROVED

MMDadoda
 3/8/2019 12:07:15 PM

Quant Time: Mar 08 04:51:20 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W030719S.M
 Quant Title : SW846 8260
 QLast Update : Fri Mar 08 03:11:40 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	296953	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	420032	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	409899	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	231265	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.31	65	146108	48.00	ug/l	0.00
Spiked Amount			Recovery	=	96.00%	
35) Dibromofluoromethane	7.88	113	131378	51.86	ug/l	0.00
Spiked Amount			Recovery	=	103.72%	
50) Toluene-d8	10.32	98	559983	53.45	ug/l	0.00
Spiked Amount			Recovery	=	106.90%	
62) 4-Bromofluorobenzene	12.62	95	212208	51.53	ug/l	0.00
Spiked Amount			Recovery	=	103.06%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	2.00	85	134383	44.968	ug/l	100
3) Chloromethane	2.21	50	174407	46.378	ug/l	100
4) Vinyl Chloride	2.35	62	179709	46.546	ug/l	100
5) Bromomethane	2.76	94	136144	41.407	ug/l	100
6) Chloroethane	2.92	64	129569	46.940	ug/l	100
7) Trichlorofluoromethane	3.26	101	232263	47.093	ug/l	100
8) Diethyl Ether	3.68	74	68150	45.816	ug/l	100
9) 1,1,2-Trichlorotrifluoroet	4.06	101	142409	46.427	ug/l	100
10) Methyl Iodide	4.27	142	164257	56.355	ug/l	100
11) Tert butyl alcohol	5.17	59	51846	243.813	ug/l	100
12) 1,1-Dichloroethene	4.04	96	126605	47.416	ug/l	100
13) Acrolein	3.89	56	55772	219.085	ug/l	100
14) Allyl chloride	4.67	41	219696	47.452	ug/l	100
15) Acrylonitrile	5.37	53	155816	232.280	ug/l	100
16) Acetone	4.13	43	167228	245.824	ug/l	100
17) Carbon Disulfide	4.38	76	440129	49.188	ug/l	100
18) Methyl Acetate	4.68	43	71045	45.438	ug/l	100
19) Methyl tert-butyl Ether	5.43	73	332612	47.248	ug/l	100
20) Methylene Chloride	4.92	84	157403	40.647	ug/l	100
21) trans-1,2-Dichloroethene	5.43	96	143552	46.544	ug/l	100
22) Diisopropyl ether	6.31	45	444873	47.713	ug/l	100
23) Vinyl Acetate	6.26	43	1368636	235.494	ug/l	100
24) 1,1-Dichloroethane	6.22	63	252923	46.778	ug/l	100
25) 2-Butanone	7.17	43	215879	233.777	ug/l	100
26) 2,2-Dichloropropane	7.17	77	227299	46.009	ug/l	100
27) cis-1,2-Dichloroethene	7.17	96	156888	47.760	ug/l	100
28) Bromochloromethane	7.51	49	103123	46.083	ug/l	100
29) Tetrahydrofuran	7.53	42	134408	227.021	ug/l	100
30) Chloroform	7.68	83	262097	47.437	ug/l	100
31) Cyclohexane	7.95	56	249685	45.385	ug/l	100
32) 1,1,1-Trichloroethane	7.87	97	240475	47.262	ug/l	100
36) 1,1-Dichloropropene	8.08	75	208567	47.990	ug/l	100
37) Ethyl Acetate	7.25	43	92524	45.315	ug/l	100
38) Carbon Tetrachloride	8.07	117	212697	47.223	ug/l	100

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.34	83	258343	49.631	ug/l	100
40) Benzene	8.32	78	575331	49.788	ug/l	100
41) Methacrylonitrile	7.48	41	51738	48.084	ug/l	100
42) 1,2-Dichloroethane	8.40	62	180377	47.900	ug/l	100
43) Isopropyl Acetate	8.43	43	184789	48.383	ug/l	100
44) Trichloroethene	9.09	130	156370	48.130	ug/l	100
45) 1,2-Dichloropropane	9.37	63	140292	48.804	ug/l	100
46) Dibromomethane	9.46	93	76619	47.988	ug/l	100
47) Bromodichloromethane	9.64	83	193967	48.198	ug/l	100
48) Methyl methacrylate	9.43	41	93303	51.808	ug/l	100
49) 1,4-Dioxane	9.45	88	22975	980.162	ug/l	100
51) 4-Methyl-2-Pentanone	10.21	43	475417	244.226	ug/l	100
52) Toluene	10.39	92	390278	49.517	ug/l	100
53) t-1,3-Dichloropropene	10.60	75	199161	49.767	ug/l	100
54) cis-1,3-Dichloropropene	10.07	75	225759	49.442	ug/l	100
55) 1,1,2-Trichloroethane	10.79	97	102506	47.378	ug/l	100
56) Ethyl methacrylate	10.65	69	137554	50.702	ug/l	100
57) 1,3-Dichloropropane	10.93	76	183738	47.836	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.93	63	322189	228.561	ug/l	100
59) 2-Hexanone	10.97	43	348347	253.472	ug/l	100
60) Dibromochloromethane	11.13	129	131127	49.328	ug/l	100
61) 1,2-Dibromoethane	11.24	107	101742	48.387	ug/l	100
64) Tetrachloroethene	10.86	164	144883	48.686	ug/l	100
65) Chlorobenzene	11.66	112	438615	49.670	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.73	131	144281	49.008	ug/l	100
67) Ethyl Benzene	11.73	91	802799	50.599	ug/l	100
68) m/p-Xylenes	11.84	106	638097	101.761	ug/l	100
69) o-Xylene	12.17	106	295539	50.556	ug/l	100
70) Styrene	12.18	104	487225	51.197	ug/l	100
71) Bromoform	12.35	173	77288	48.413	ug/l	# 100
73) Isopropylbenzene	12.47	105	822394	50.042	ug/l	100
74) N-amyl acetate	12.27	43	199897	50.885	ug/l	100
75) 1,1,2,2-Tetrachloroethane	12.71	83	123301	47.169	ug/l	100
76) 1,2,3-Trichloropropane	12.77	75	91178m	35.407	ug/l	
77) Bromobenzene	12.75	156	182890	48.669	ug/l	100
78) n-propylbenzene	12.80	91	1017114	50.416	ug/l	100
79) 2-Chlorotoluene	12.90	91	566016	49.929	ug/l	100
80) 1,3,5-Trimethylbenzene	12.94	105	713414	50.369	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.51	75	38758	47.812	ug/l	100
82) 4-Chlorotoluene	12.99	91	603943	50.000	ug/l	100
83) tert-Butylbenzene	13.21	119	606650	50.990	ug/l	100
84) 1,2,4-Trimethylbenzene	13.26	105	731115	51.132	ug/l	100
85) sec-Butylbenzene	13.38	105	901138	51.118	ug/l	100
86) p-Isopropyltoluene	13.50	119	807979	51.133	ug/l	100
87) 1,3-Dichlorobenzene	13.50	146	391411	49.675	ug/l	100
88) 1,4-Dichlorobenzene	13.58	146	384992	49.460	ug/l	100
89) n-Butylbenzene	13.83	91	781458	51.875	ug/l	100
90) Hexachloroethane	14.10	117	136440	50.126	ug/l	100
91) 1,2-Dichlorobenzene	13.87	146	340137	49.281	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.49	75	22805	46.994	ug/l	100

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.14	180	240495	50.954	ug/l	100
94) Hexachlorobutadiene	15.24	225	147921	50.141	ug/l	100
95) Naphthalene	15.37	128	406061	51.929	ug/l	100
96) 1,2,3-Trichlorobenzene	15.56	180	210527	50.798	ug/l	100

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

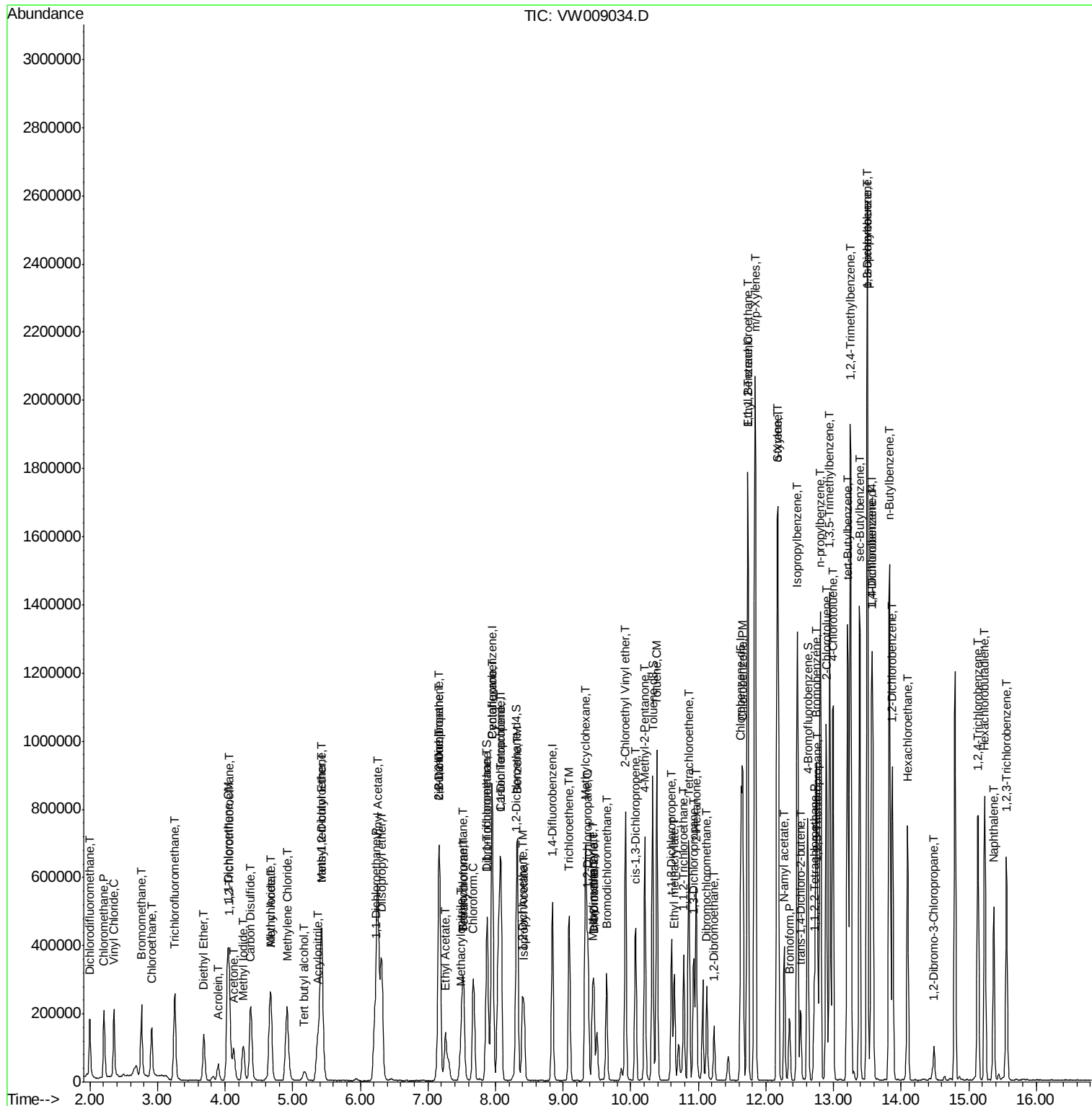
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW030719\
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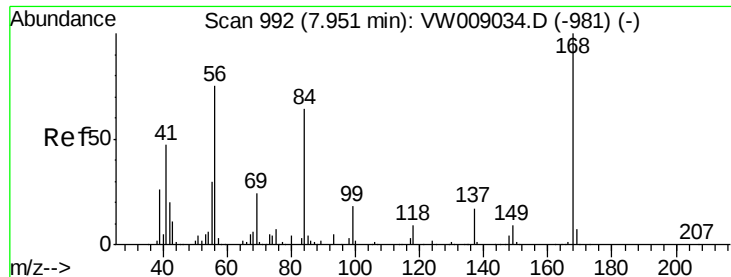
Instrument :
 MSVOA_W
 Client Sampled :
 VSTDICCC050

Manual Integrations
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 992

Delta R.T. 0.00 min

Lab File: VW009034.D

Acq: 07 Mar 2019 12:12

Instrument :

MSVOA_W

ClientSampleId :

VSTDICCC050

Tot Ion:168 Resp: 296953

Ion Ratio Lower Upper

168 100

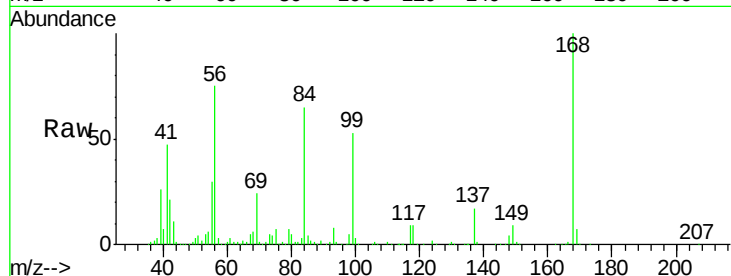
99 52.7 42.2 63.2

Manual Integrations

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3/8/2019 12:07:15 PM



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW

7.95

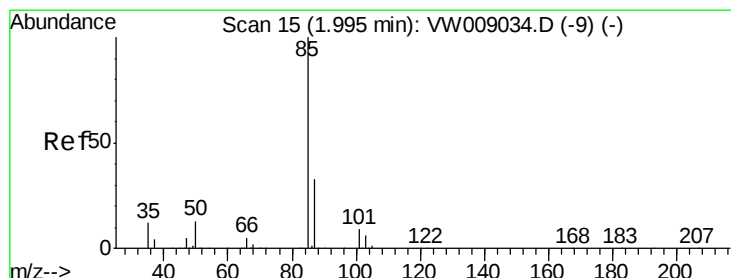
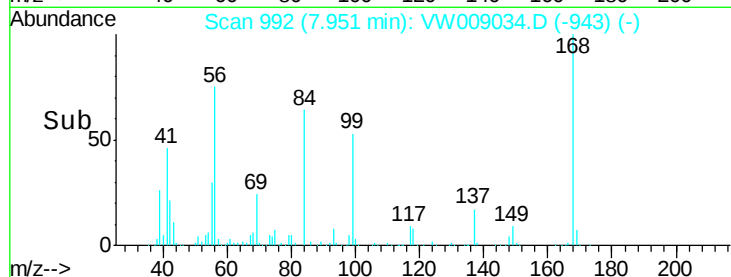
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100000

50000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 44.968 ug/l

RT: 2.00 min Scan# 15

Delta R.T. 0.00 min

Lab File: VW009034.D

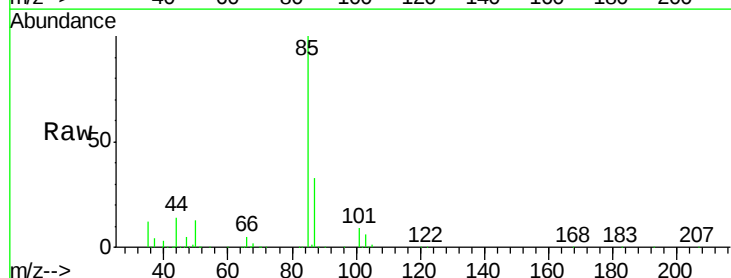
Acq: 07 Mar 2019 12:12

Tgt Ion: 85 Resp: 134383

Ion Ratio Lower Upper

85 100

87 32.6 16.3 48.9



Abundance Ion 84.90 (84.60 to 85.60): VW

Ion 86.90 (86.60 to 87.60): VW

2.00

100000

80000

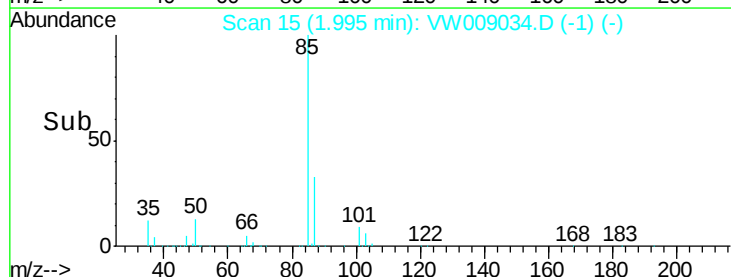
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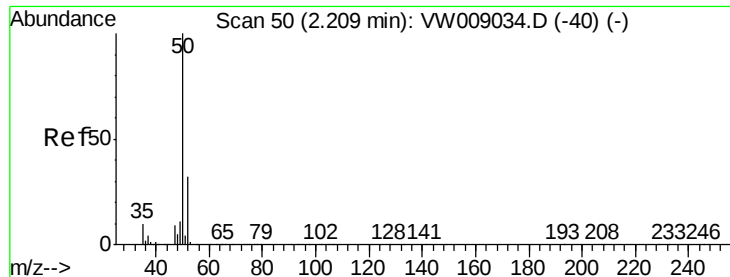
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20000

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Time-->





#3

Chloromethane

Concen: 46.378 ug/l

RT: 2.21 min Scan# 50

Delta R.T. 0.00 min

Lab File: VW009034.D

Acq: 07 Mar 2019 12:12

Instrument :

MSVOA_W

ClientSampleId :

VSTDICCC050

Tot Ion: 50 Resp: 174407

Ion Ratio Lower Upper

50 100

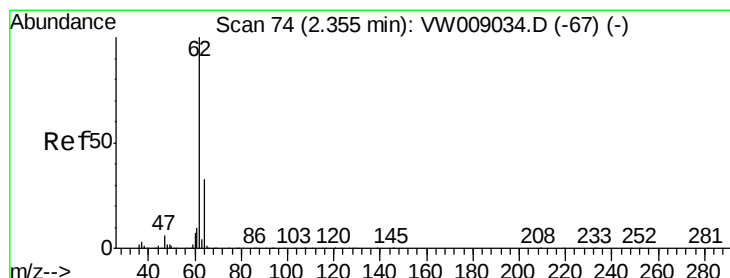
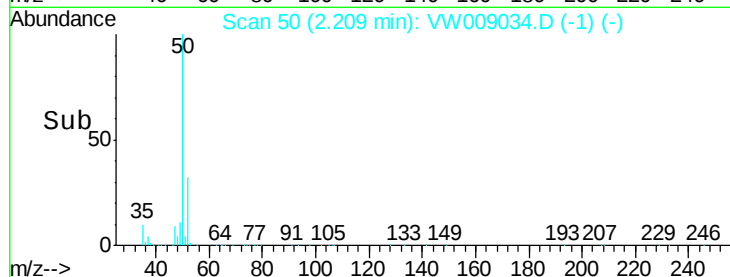
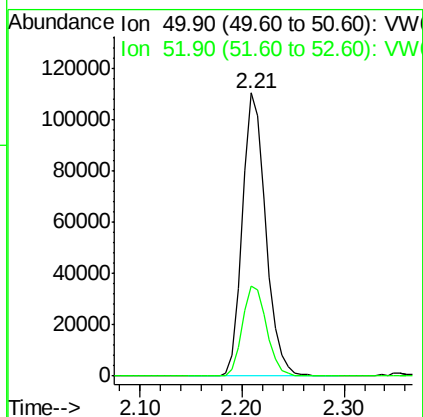
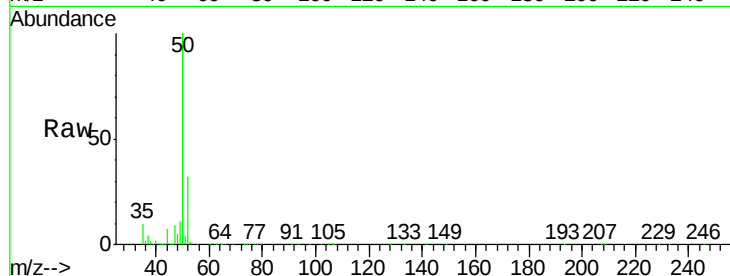
52 31.8 25.4 38.2

Manual Integrations

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#4

Vinyl Chloride

Concen: 46.546 ug/l

RT: 2.35 min Scan# 74

Delta R.T. 0.00 min

Lab File: VW009034.D

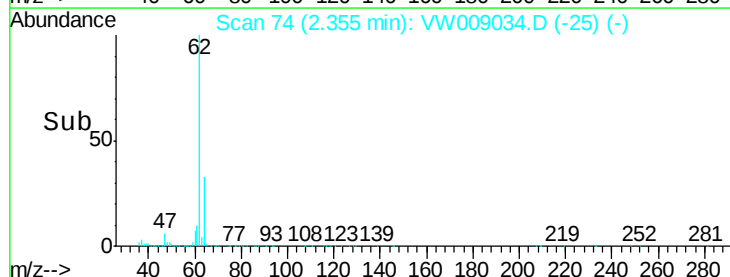
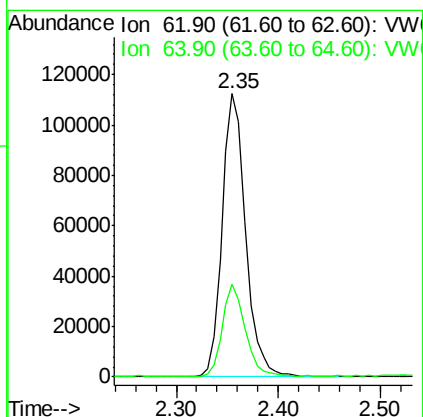
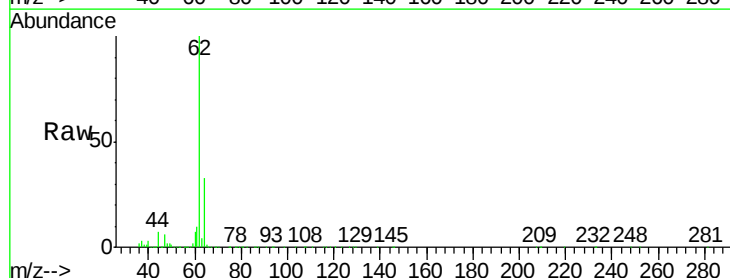
Acq: 07 Mar 2019 12:12

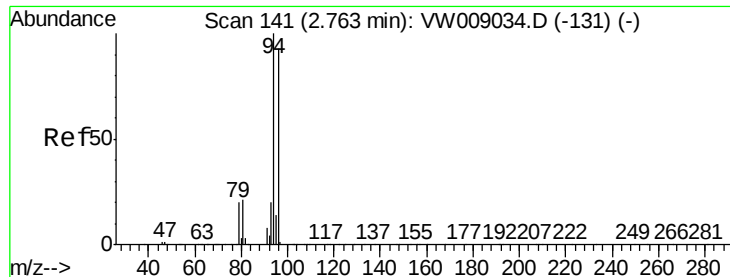
Tgt Ion: 62 Resp: 179709

Ion Ratio Lower Upper

62 100

64 32.5 26.0 39.0





#5

Bromomethane

Concen: 41.407 ug/l

RT: 2.76 min Scan# 141

Delta R.T. 0.00 min

Lab File: VW009034.D

Acq: 07 Mar 2019 12:12

Instrument :

MSVOA_W

ClientSampleId :

VSTDICCC050

Tot Ion: 94 Resp: 136144

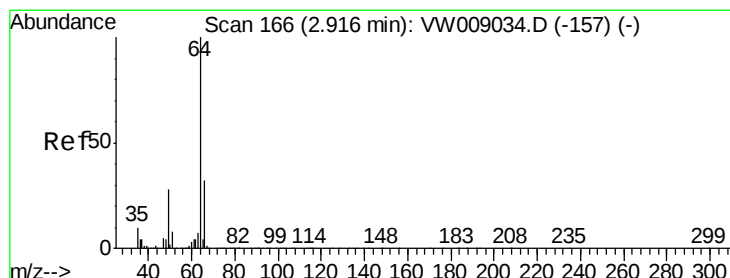
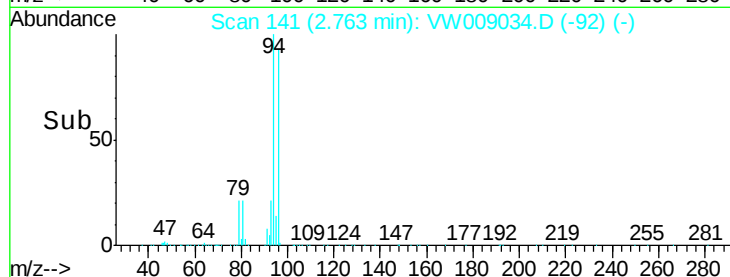
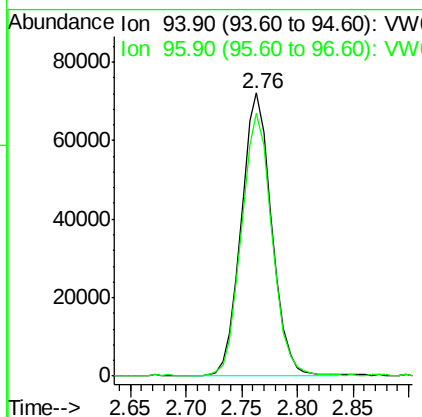
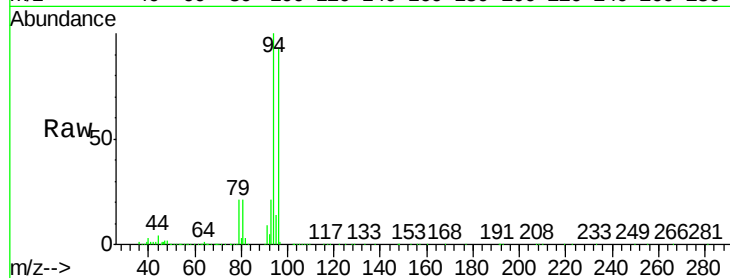
Ion Ratio Lower Upper

94 100

96 93.0 74.4 111.6

Manual Integrations
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#6

Chloroethane

Concen: 46.940 ug/l

RT: 2.92 min Scan# 166

Delta R.T. 0.00 min

Lab File: VW009034.D

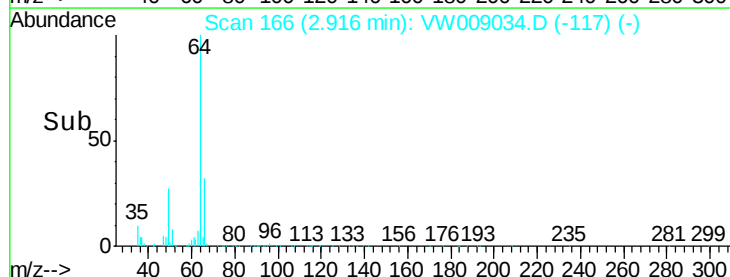
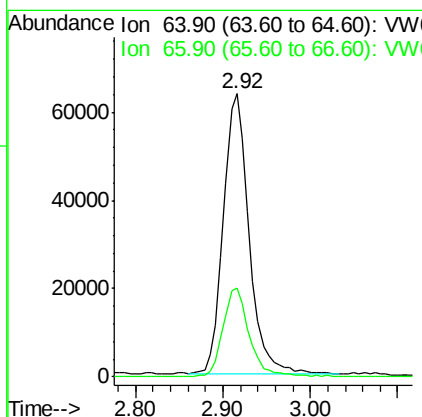
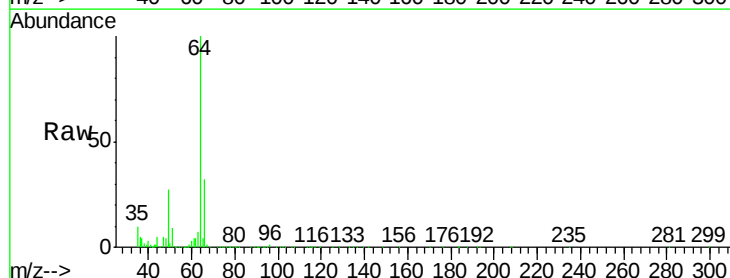
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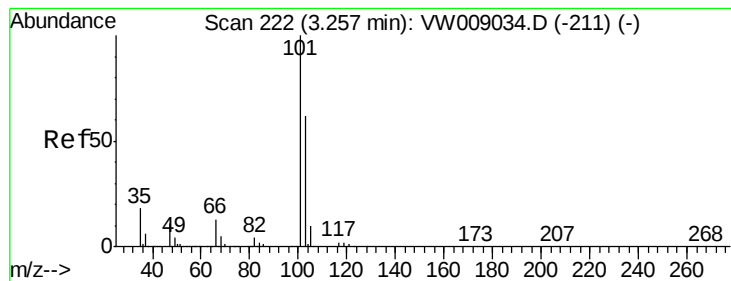
Tgt Ion: 64 Resp: 129569

Ion Ratio Lower Upper

64 100

66 31.9 25.5 38.3





#7

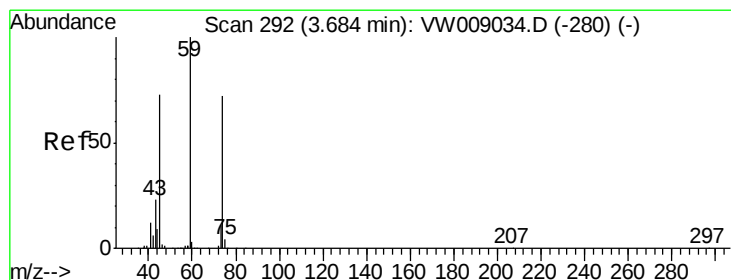
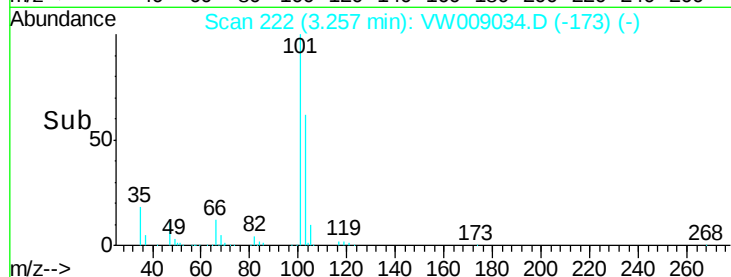
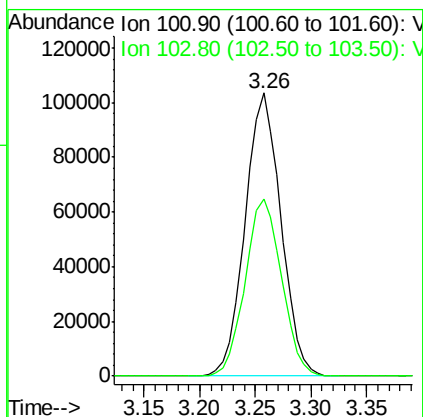
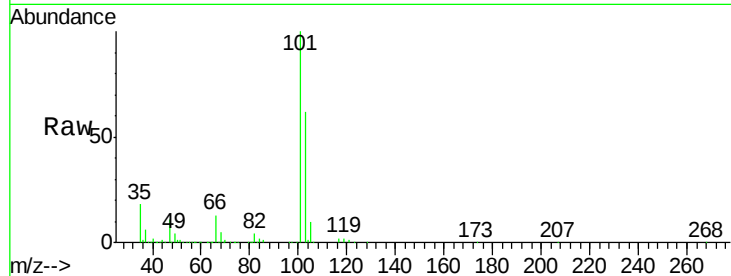
Trichlorofluoromethane
 Concen: 47.093 ug/l
 RT: 3.26 min Scan# 222
 Delta R.T. 0.00 min
 Lab File: VW009034.D
 Acq: 07 Mar 2019 12:12

Instrument :
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Tot Ion	Ratio	Lower	Upper
101	100		
103	62.4	49.9	74.9

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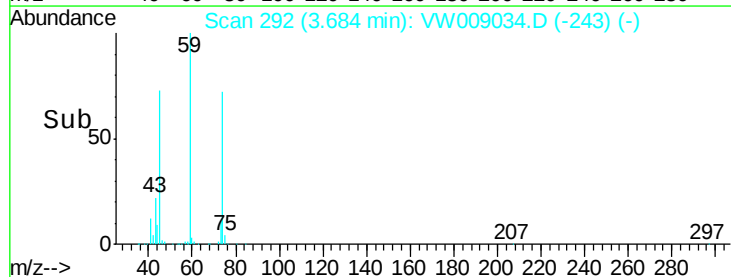
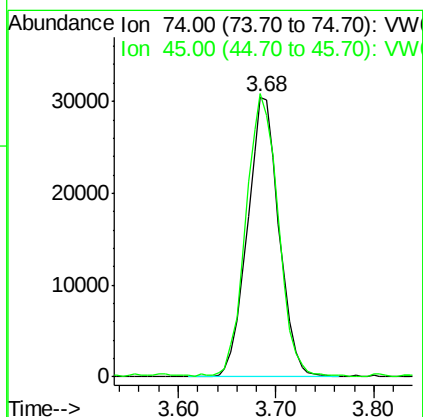
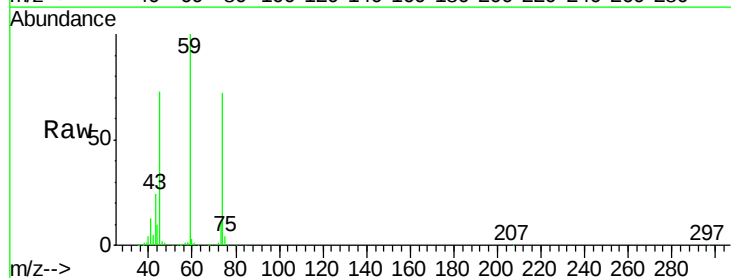
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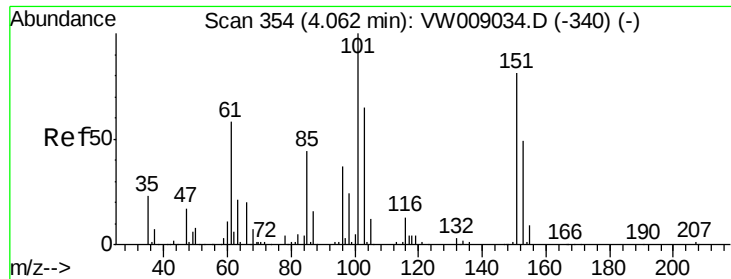


#8

Diethyl Ether
 Concen: 45.816 ug/l
 RT: 3.68 min Scan# 292
 Delta R.T. 0.00 min
 Lab File: VW009034.D
 Acq: 07 Mar 2019 12:12

Tgt Ion	Ratio	Lower	Upper
74	100		
45	104.7	52.3	157.1





#9

1,1,2-Trichlorotrifluoroethane

Concen: 46.427 ug/l

RT: 4.06 min Scan# 354

Delta R.T. 0.00 min

Lab File: VW009034.D

Acq: 07 Mar 2019 12:12

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MSVOA_W

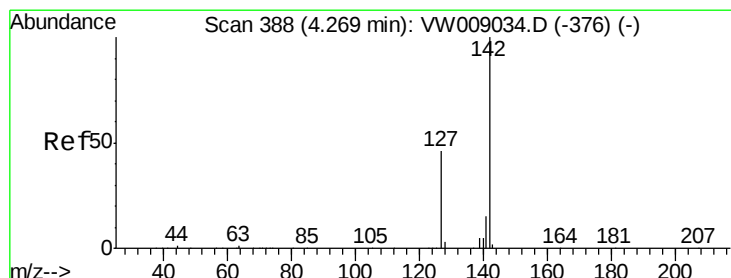
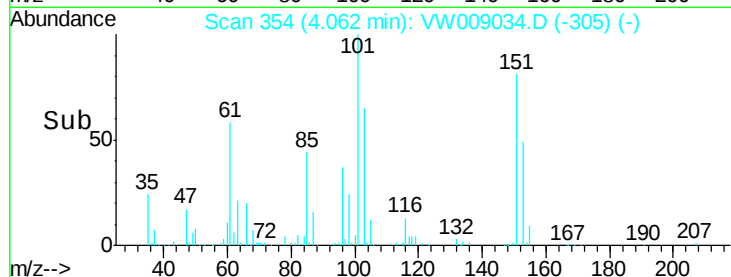
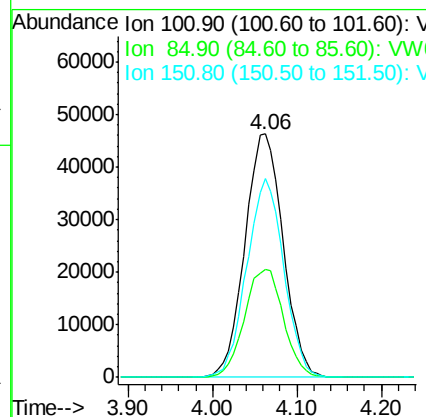
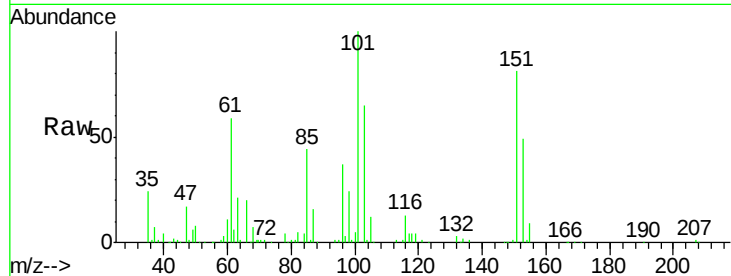
ClientSampled :

VSTDICCC050

Tot Ion:	101	Resp:	142409
Ion Ratio	Lower	Upper	
101	100		
85	45.3	36.2	54.4
151	79.3	63.4	95.2

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#10

Methyl Iodide

Concen: 56.355 ug/l

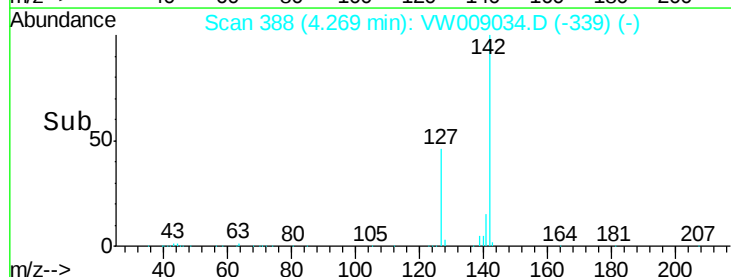
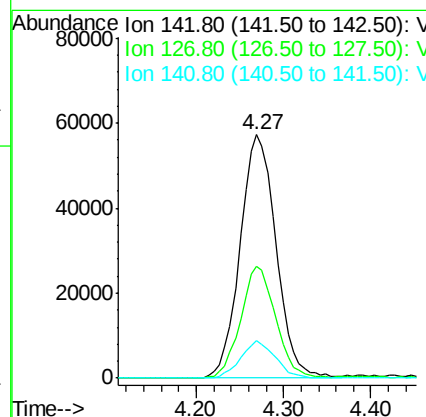
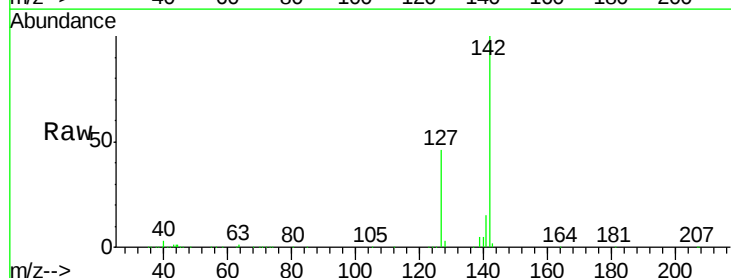
RT: 4.27 min Scan# 388

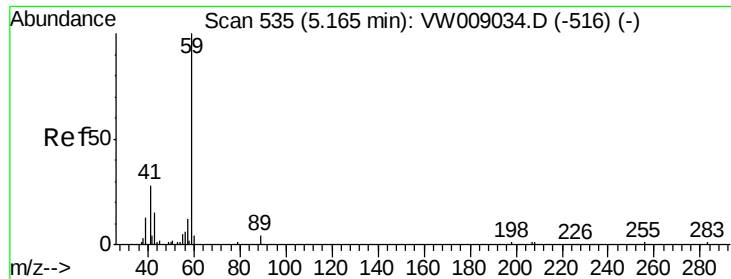
Delta R.T. 0.00 min

Lab File: VW009034.D

Acq: 07 Mar 2019 12:12

Tgt Ion:	142	Resp:	164257
Ion Ratio	Lower	Upper	
142	100		
127	44.7	35.8	53.6
141	14.8	11.8	17.8





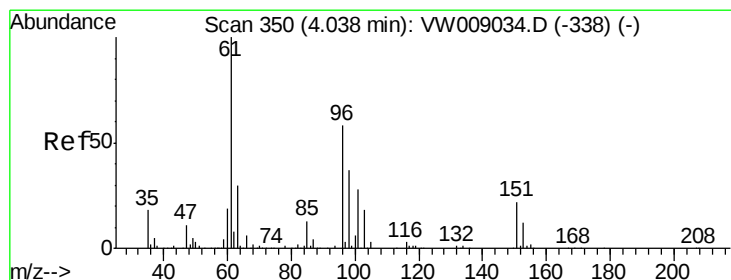
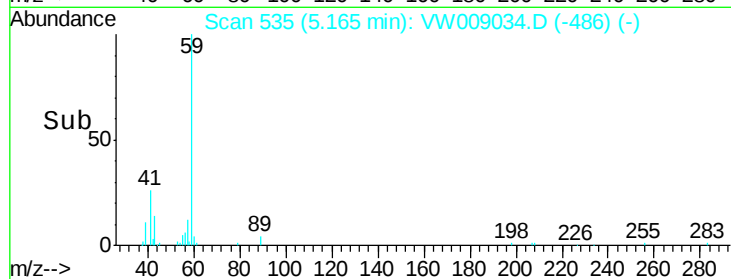
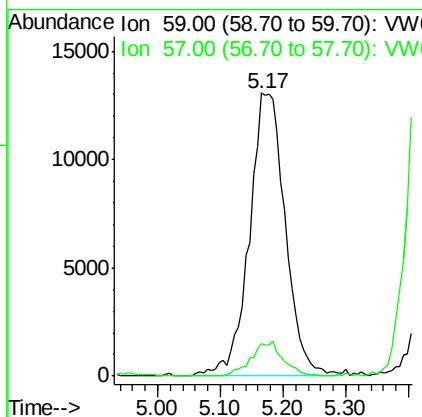
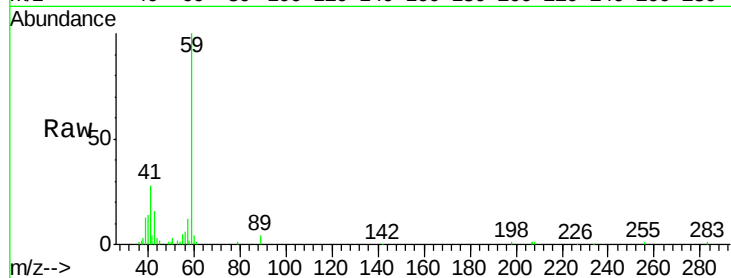
#11
Tert butyl alcohol
Concen: 243.813 ug/l
RT: 5.17 min Scan# 535
Delta R.T. 0.00 min
Lab File: VW009034.D
Acq: 07 Mar 2019 12:12

Instrument :
MSVOA_W
ClientSampleId :
VSTDICCC050

Tot Ion	Ratio	Lower	Upper
59	100		
57	10.7	8.6	12.8

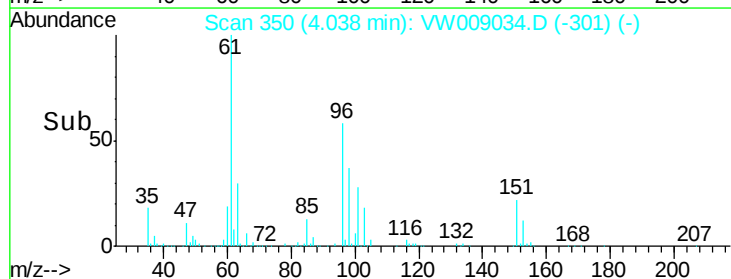
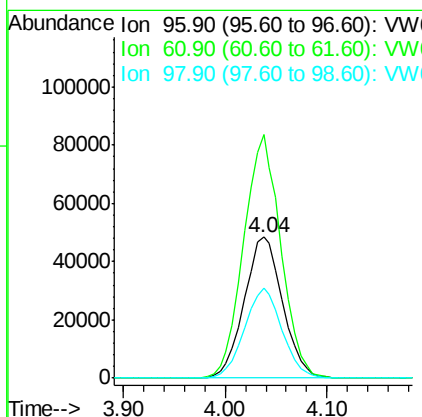
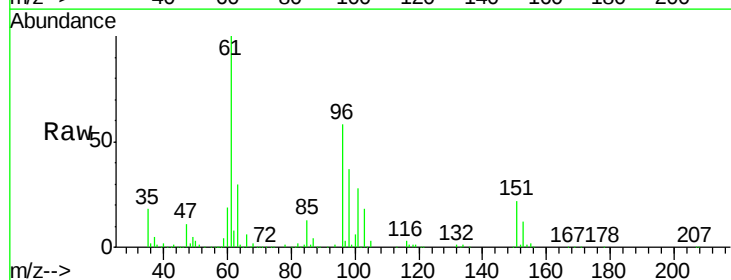
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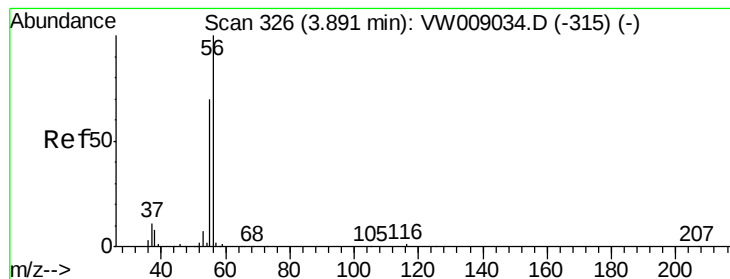
MMDadoda
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#12
1,1-Dichloroethene
Concen: 47.416 ug/l
RT: 4.04 min Scan# 350
Delta R.T. 0.00 min
Lab File: VW009034.D
Acq: 07 Mar 2019 12:12

Tgt Ion	Ratio	Lower	Upper
96	100		
61	172.7	138.2	207.2
98	64.1	51.3	76.9





#13

Acrolein

Concen: 219.085 ug/l

RT: 3.89 min Scan# 326

Delta R.T. 0.00 min

Lab File: VW009034.D

Acq: 07 Mar 2019 12:12

Instrument :

MSVOA_W

ClientSampleId :

VSTDICCC050

Tot Ion: 56 Resp: 55772

Ion Ratio Lower Upper

56 100

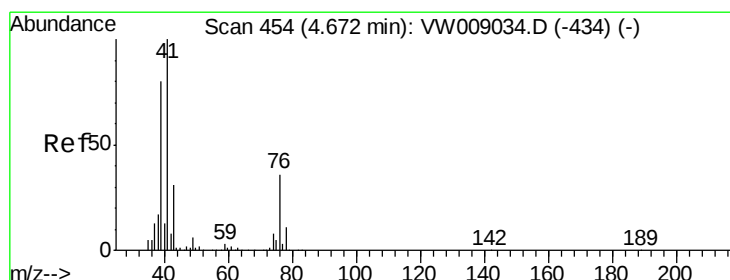
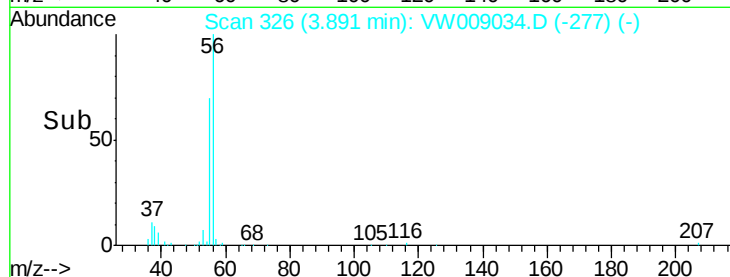
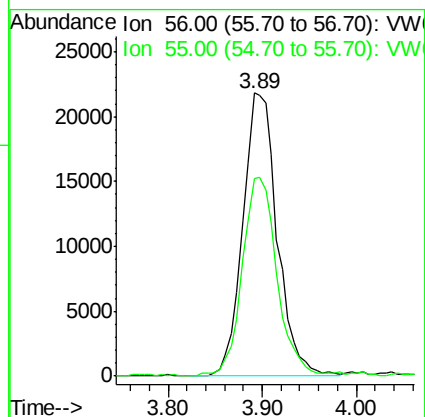
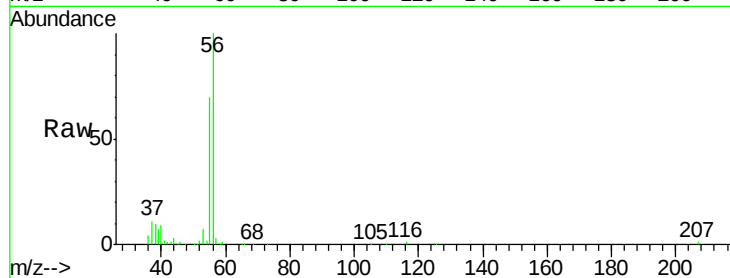
55 70.7 56.6 84.8

Manual Integrations

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#14

Allyl chloride

Concen: 47.452 ug/l

RT: 4.67 min Scan# 454

Delta R.T. 0.00 min

Lab File: VW009034.D

Acq: 07 Mar 2019 12:12

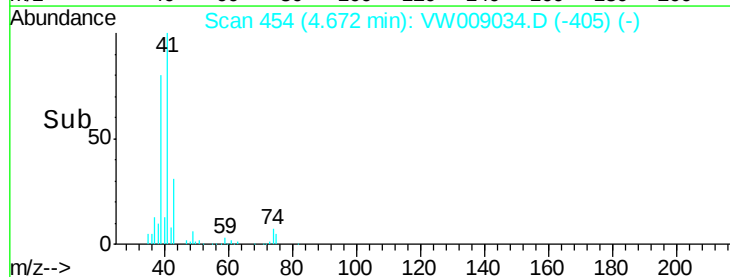
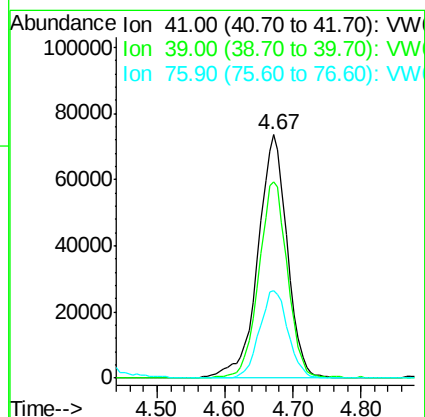
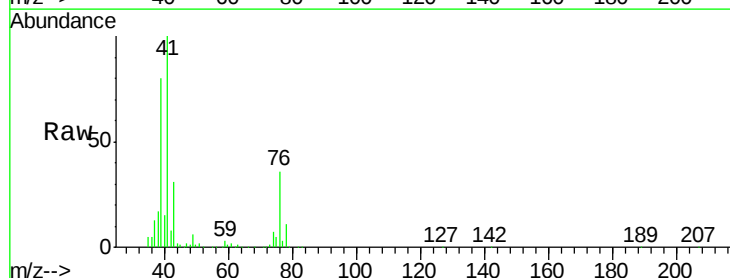
Tgt Ion: 41 Resp: 219696

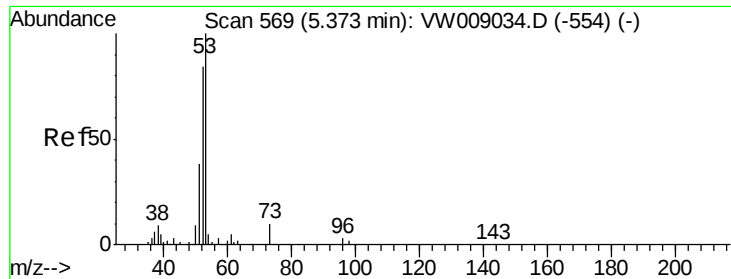
Ion Ratio Lower Upper

41 100

39 78.7 63.0 94.4

76 35.2 28.2 42.2





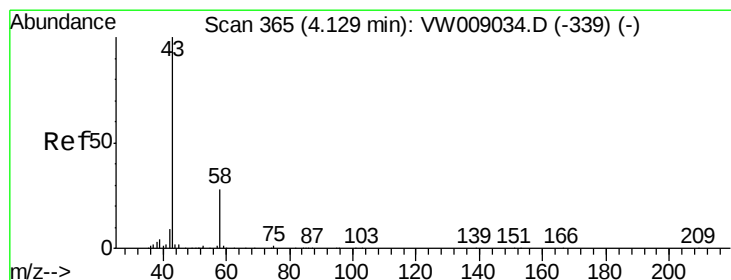
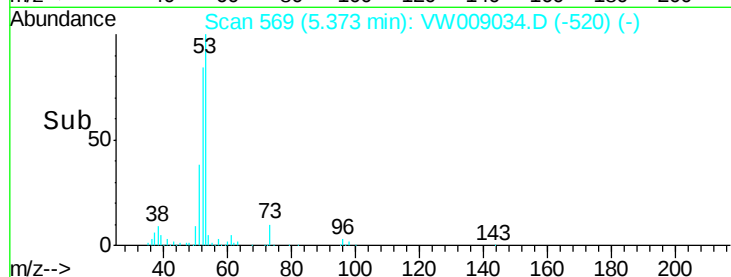
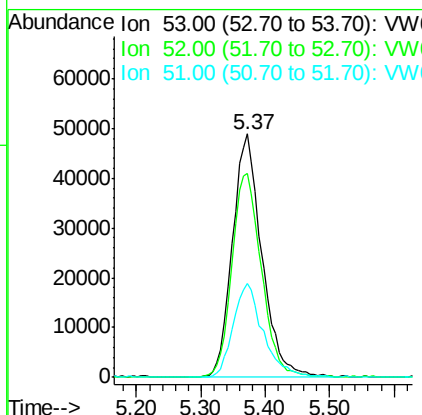
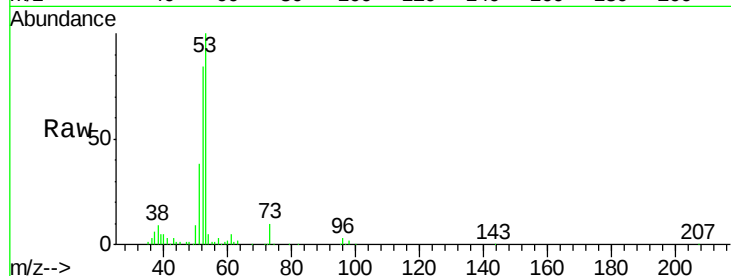
#15
 Acrylonitrile
 Concen: 232.280 ug/l
 RT: 5.37 min Scan# 569
 Delta R.T. 0.00 min
 Lab File: VW009034.D
 Acq: 07 Mar 2019 12:12

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDICCC050

Tot Ion	Ratio	Lower	Upper
53	100		
52	84.0	67.2	100.8
51	39.7	31.8	47.6

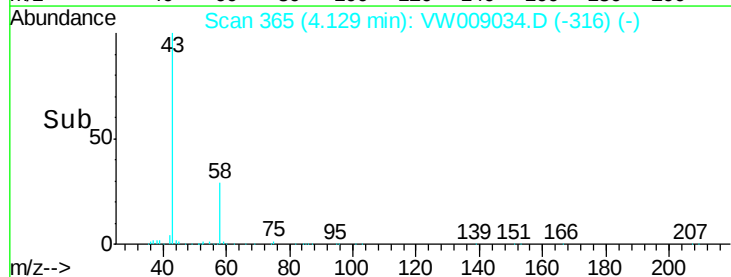
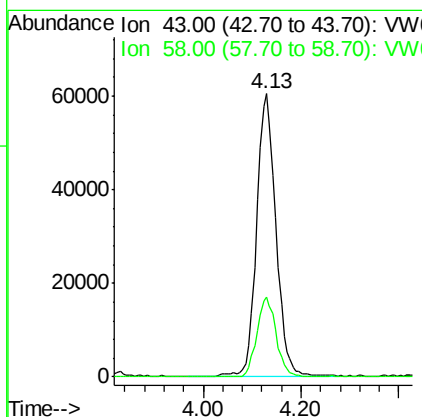
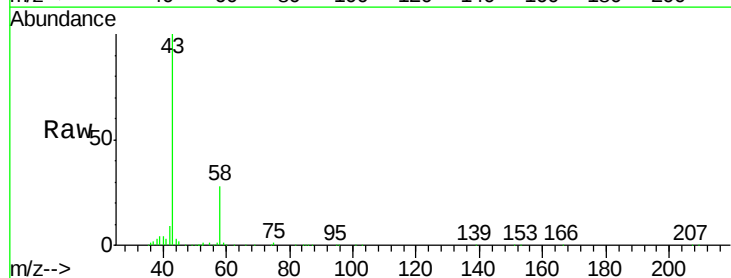
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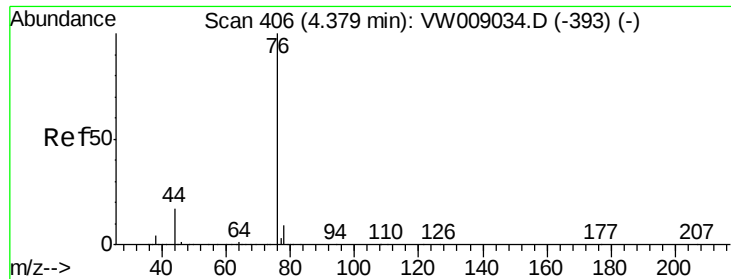
MMDadoda
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#16
 Acetone
 Concen: 245.824 ug/l
 RT: 4.13 min Scan# 365
 Delta R.T. 0.00 min
 Lab File: VW009034.D
 Acq: 07 Mar 2019 12:12

Tgt Ion	Ratio	Lower	Upper
43	100		
58	28.1	22.5	33.7





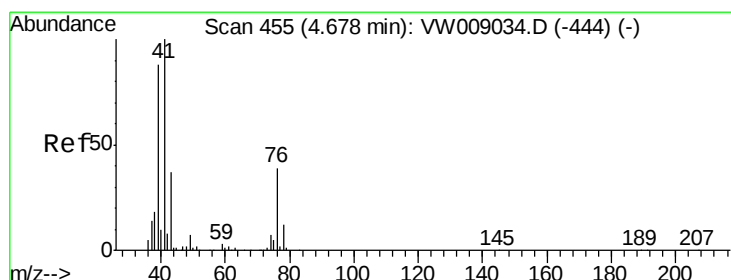
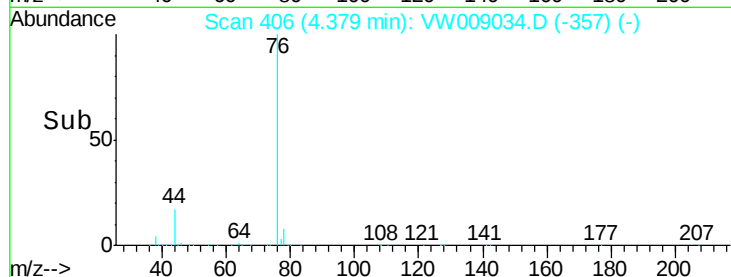
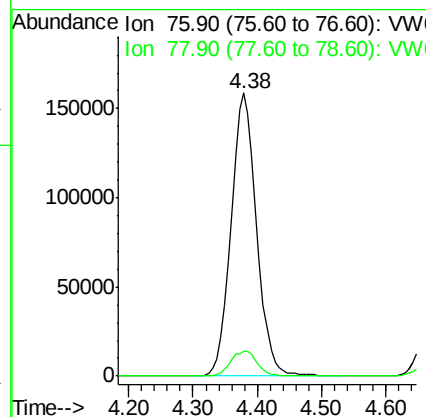
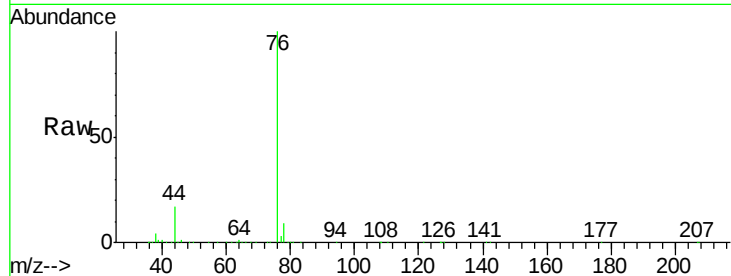
#17
Carbon Disulfide
Concen: 49.188 ug/l
RT: 4.38 min Scan# 406
Delta R.T. 0.00 min
Lab File: VW009034.D
Acq: 07 Mar 2019 12:12

Instrument :
MSVOA_W
ClientSampleId :
VSTDICCC050

Tot Ion	Ratio	Lower	Upper
76	100		
78	8.8	7.0	10.6

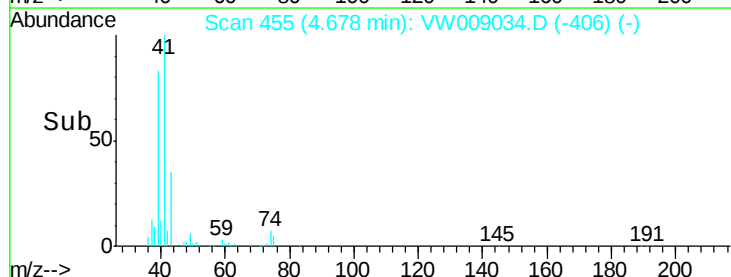
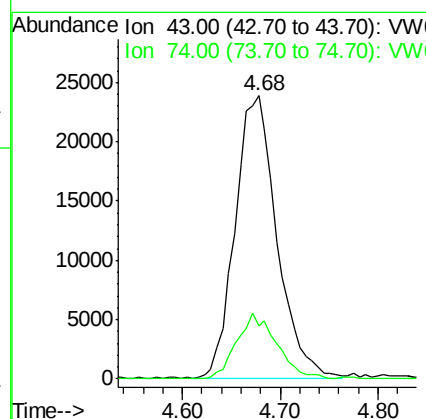
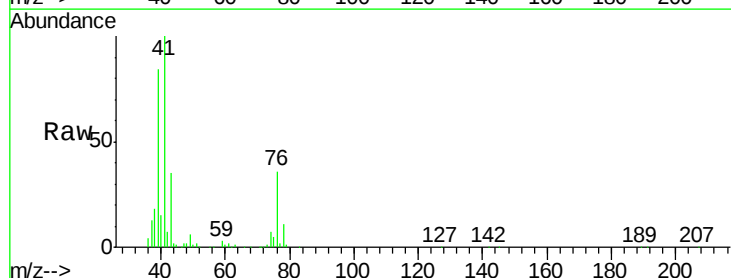
Manual Integrations
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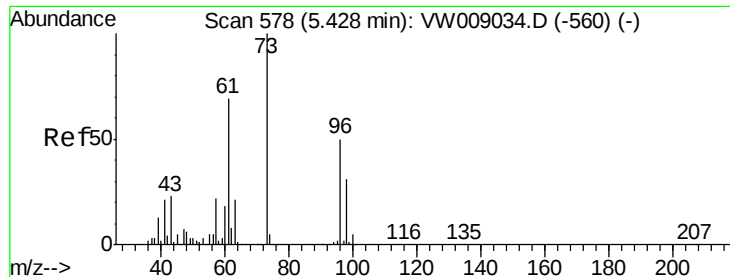
MMDadoda
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#18
Methyl Acetate
Concen: 45.438 ug/l
RT: 4.68 min Scan# 455
Delta R.T. 0.00 min
Lab File: VW009034.D
Acq: 07 Mar 2019 12:12

Tgt Ion	Ratio	Lower	Upper
43	100		
74	22.0	17.6	26.4





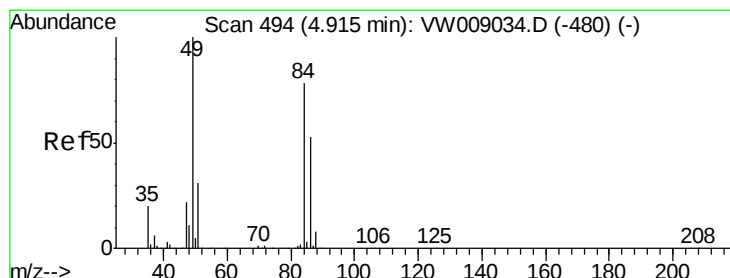
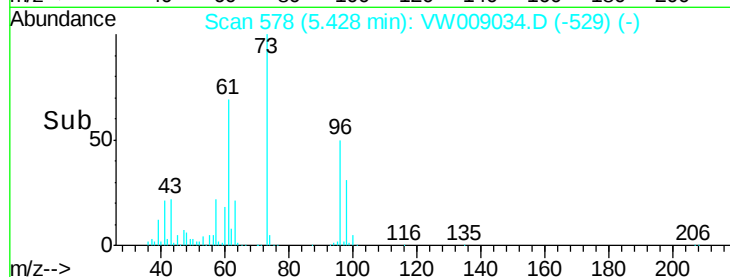
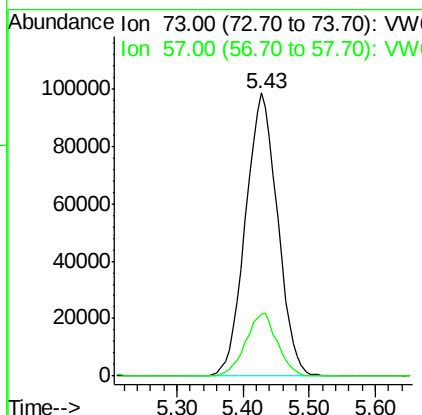
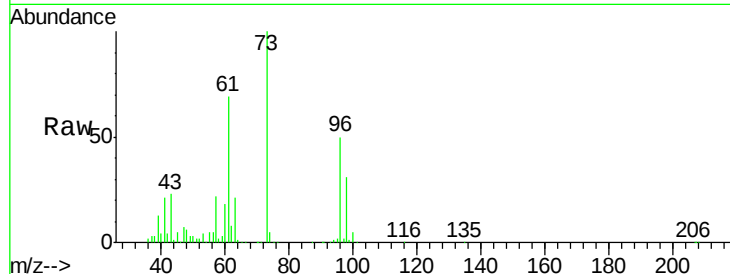
#19
Methvl tert-butvl Ether
Concen: 47.248 ug/l
RT: 5.43 min Scan# 578
Delta R.T. 0.00 min
Lab File: VW009034.D
Acq: 07 Mar 2019 12:12

Instrument :
MSVOA_W
ClientSampled :
VSTDICCC050

Tot Ion: 73 Resp: 332612
Ion Ratio Lower Upper
73 100
57 21.6 17.3 25.9

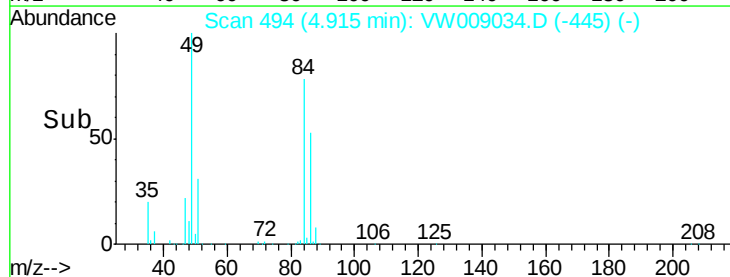
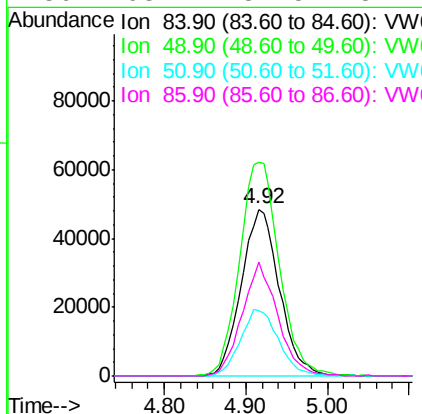
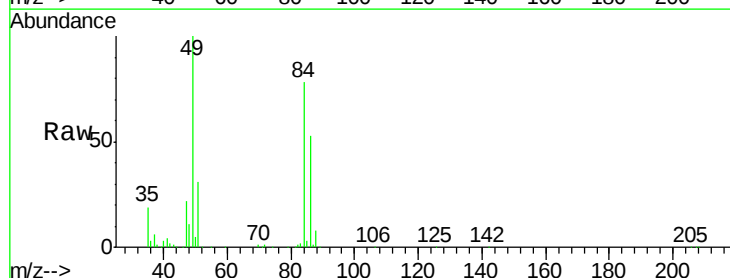
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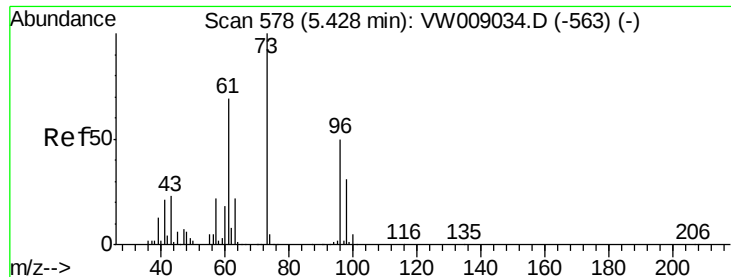
MMDadoda
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#20
Methylene Chloride
Concen: 40.647 ug/l
RT: 4.92 min Scan# 494
Delta R.T. 0.00 min
Lab File: VW009034.D
Acq: 07 Mar 2019 12:12

Tgt Ion: 84 Resp: 157403
Ion Ratio Lower Upper
84 100
49 128.0 102.4 153.6
51 39.5 31.6 47.4
86 68.1 54.5 81.7





#21

trans-1,2-Dichloroethene

Concen: 46.544 ug/l

RT: 5.43 min Scan# 578

Delta R.T. 0.00 min

Lab File: VW009034.D

Acq: 07 Mar 2019 12:12

Instrument :

MSVOA_W

ClientSampleId :

VSTDICCC050

Tot Ion: 96 Resp: 143552

Ion Ratio Lower Upper

96 100

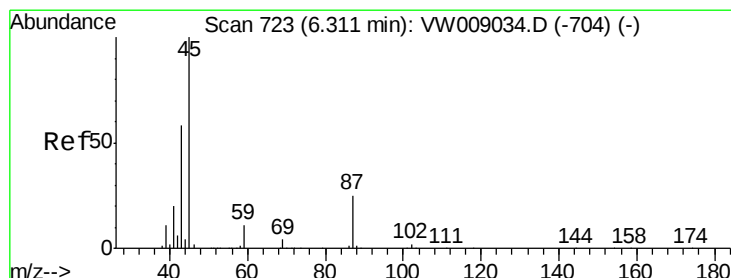
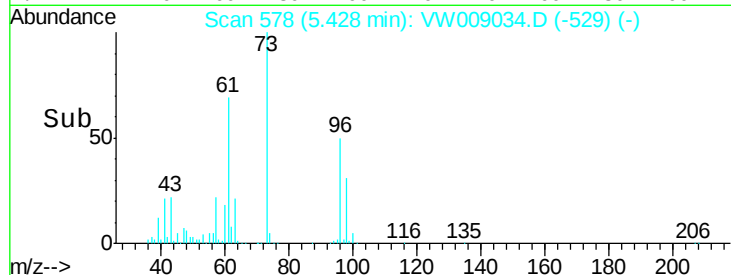
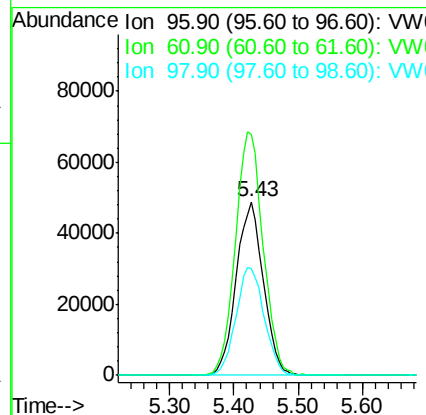
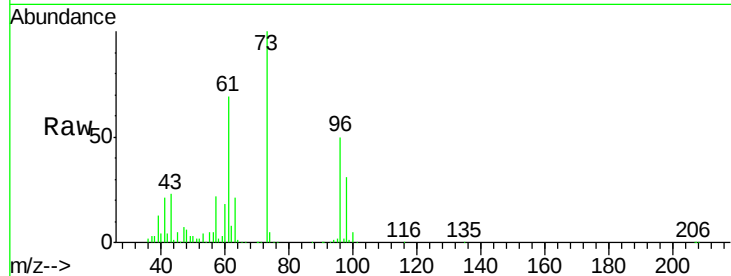
61 138.8 111.0 166.6

98 61.7 49.4 74.0

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#22

Diisopropyl ether

Concen: 47.713 ug/l

RT: 6.31 min Scan# 723

Delta R.T. 0.00 min

Lab File: VW009034.D

Acq: 07 Mar 2019 12:12

Tgt Ion: 45 Resp: 444873

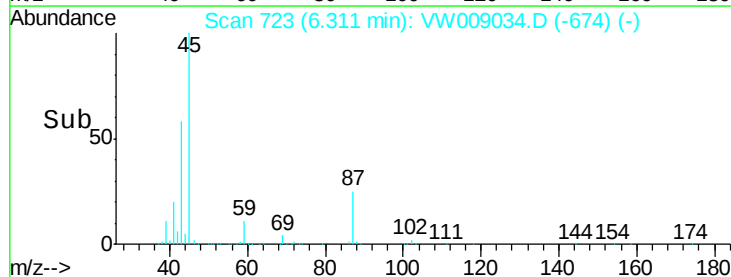
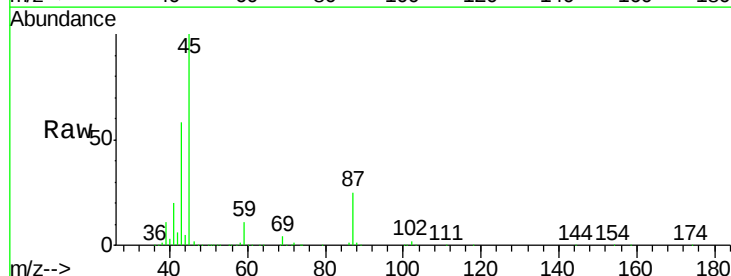
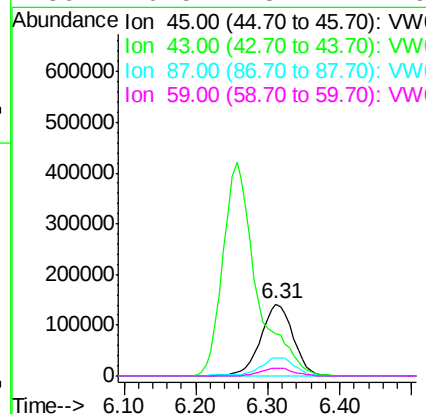
Ion Ratio Lower Upper

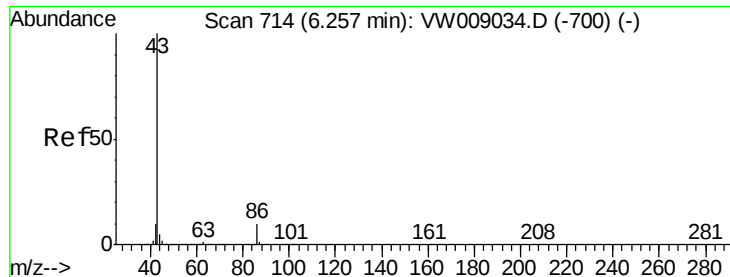
45 100

43 57.8 46.2 69.4

87 25.1 20.1 30.1

59 10.5 8.4 12.6





#23

Vinyl Acetate

Concen: 235.494 ug/l

RT: 6.26 min Scan# 714

Delta R.T. 0.00 min

Lab File: VW009034.D

Acq: 07 Mar 2019 12:12

Instrument :

MSVOA_W

ClientSampleId :

VSTDICCC050

Tot Ion: 43 Resp: 1368636

Ion Ratio Lower Upper

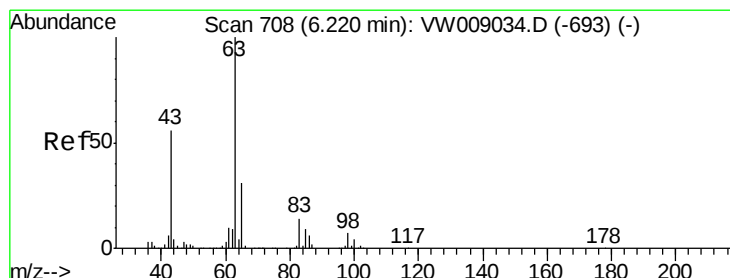
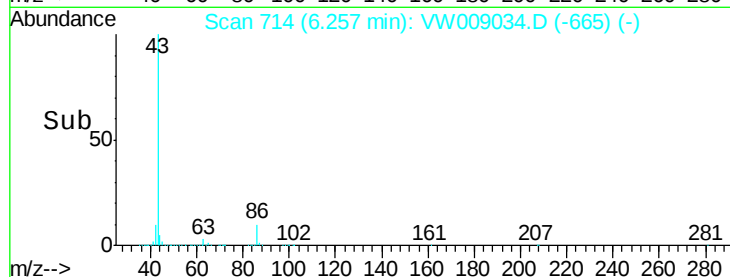
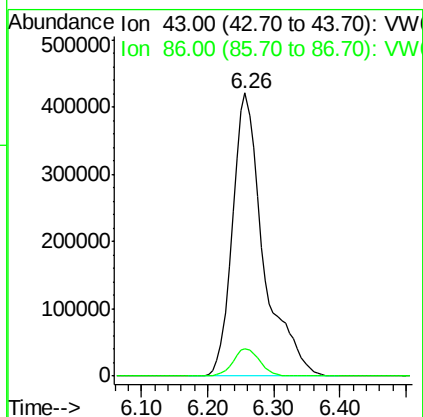
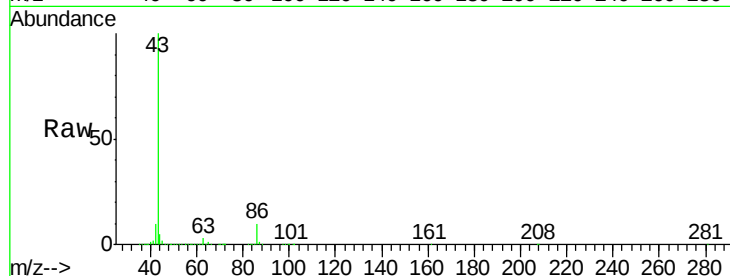
43 100

86 9.5 7.6 11.4

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#24

1,1-Dichloroethane

Concen: 46.778 ug/l

RT: 6.22 min Scan# 708

Delta R.T. 0.00 min

Lab File: VW009034.D

Acq: 07 Mar 2019 12:12

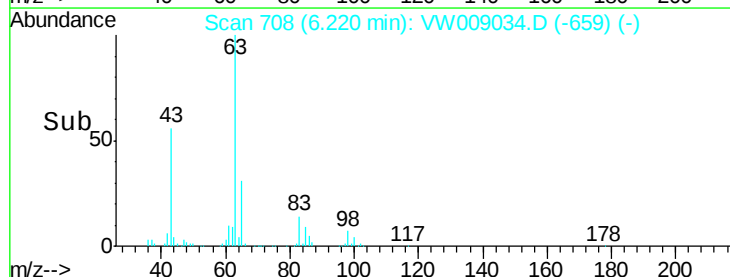
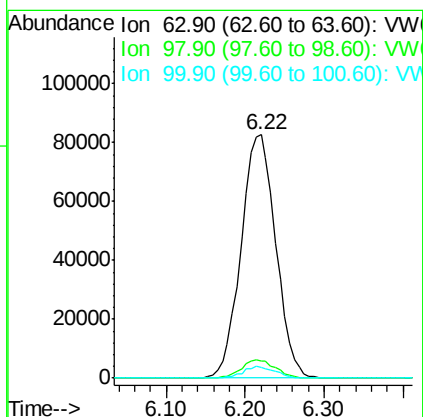
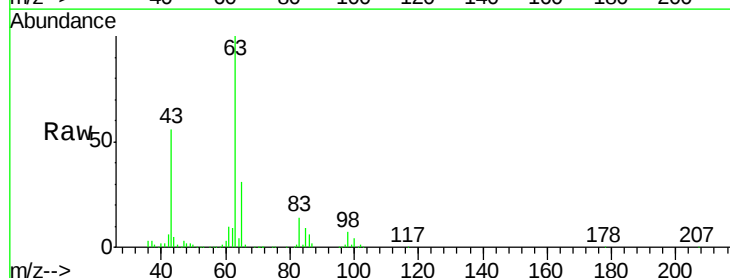
Tgt Ion: 63 Resp: 252923

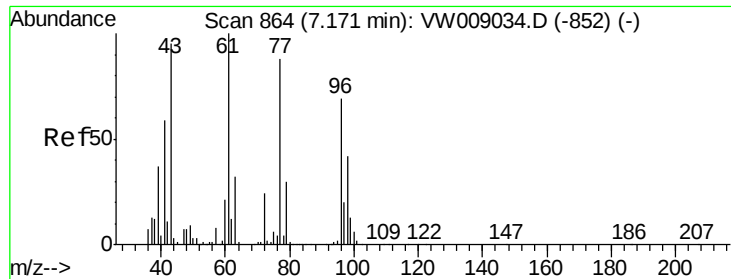
Ion Ratio Lower Upper

63 100

98 6.8 3.4 10.2

100 4.1 2.1 6.2





#25

2-Butanone

Concen: 233.777 ug/l

RT: 7.17 min Scan# 864

Delta R.T. 0.00 min

Lab File: VW009034.D

Acq: 07 Mar 2019 12:12

Instrument :

MSVOA_W

ClientSampled :

VSTDICCC050

Tot Ion: 43 Resp: 215879

Ion Ratio Lower Upper

43 100

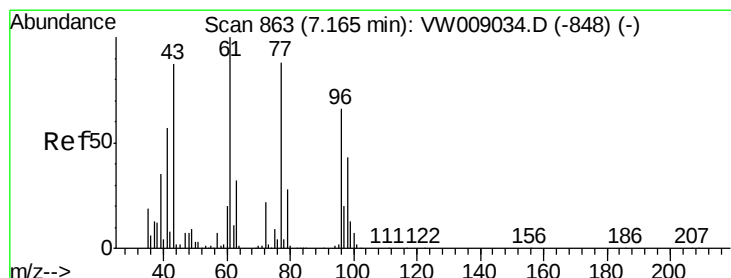
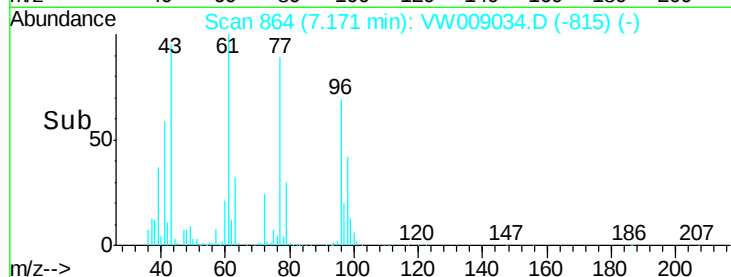
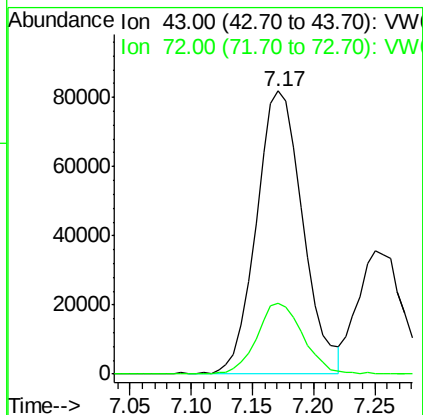
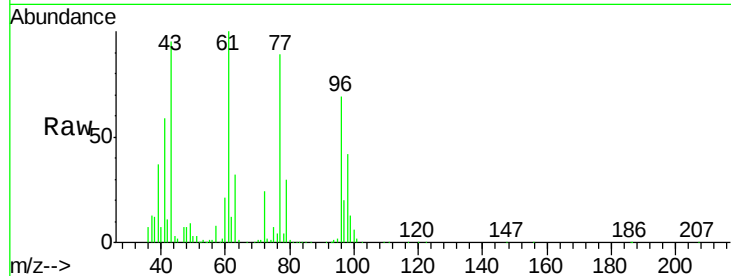
72 25.0 20.0 30.0

Manual Integrations

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3/8/2019 12:07:15 PM



#26

2,2-Dichloropropane

Concen: 46.009 ug/l

RT: 7.17 min Scan# 863

Delta R.T. 0.00 min

Lab File: VW009034.D

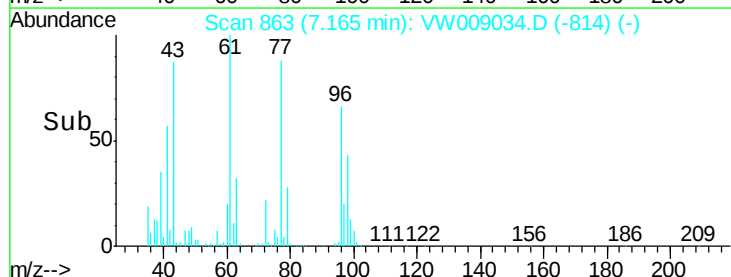
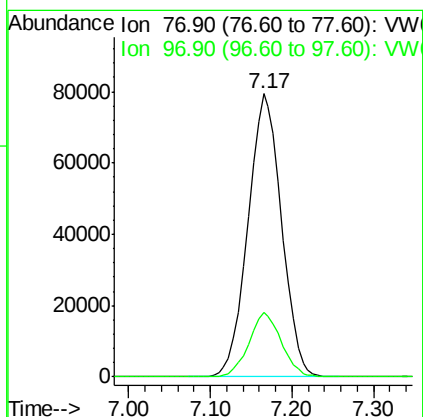
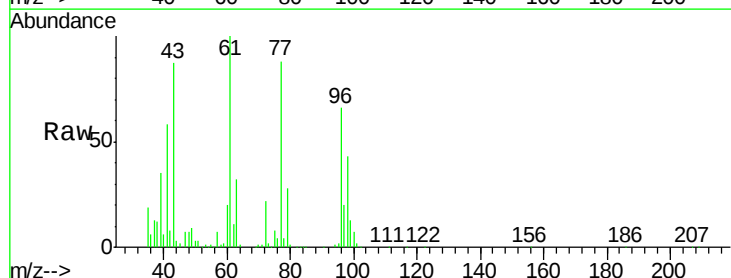
Acq: 07 Mar 2019 12:12

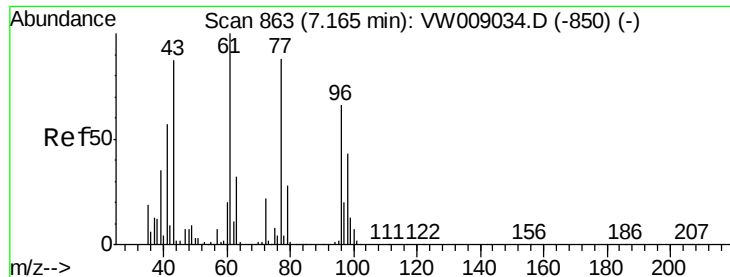
Tgt Ion: 77 Resp: 227299

Ion Ratio Lower Upper

77 100

97 21.9 10.9 32.9





#27

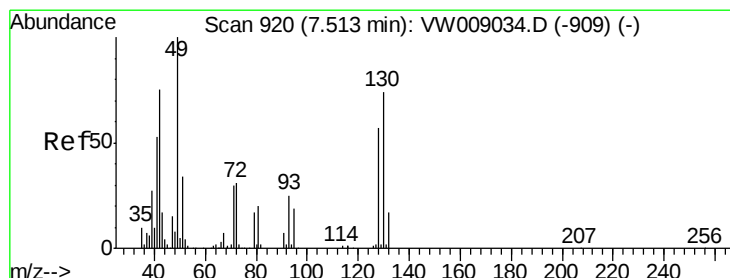
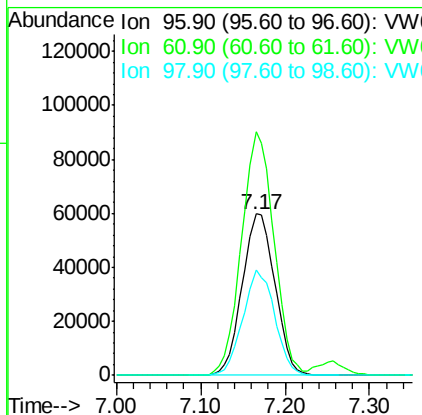
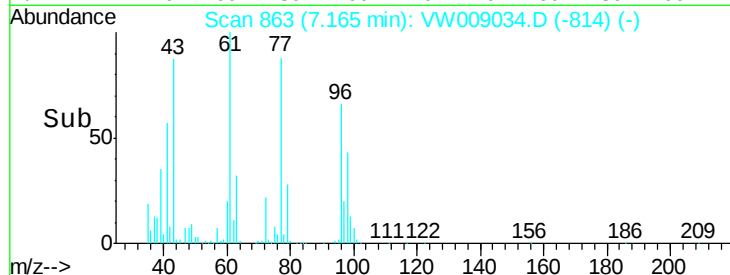
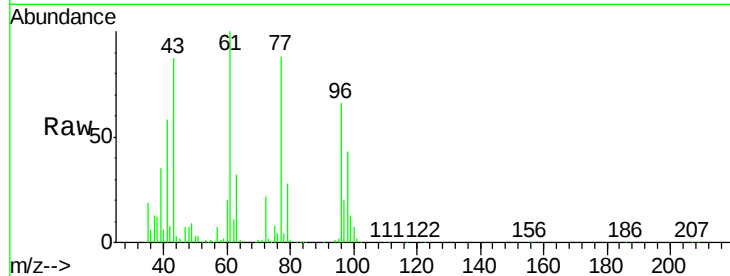
cis-1,2-Dichloroethene
Concen: 47.760 ug/l
RT: 7.17 min Scan# 863
Delta R.T. 0.00 min
Lab File: VW009034.D
Acq: 07 Mar 2019 12:12

Instrument :
MSVOA_W
ClientSampled :
VSTDICCC050

Tot Ion	Ion	Ratio	Resp	Lower	Upper
96	100				
61	149.9	0.0	299.8		
98	63.6	0.0	127.2		

Manual Integrations
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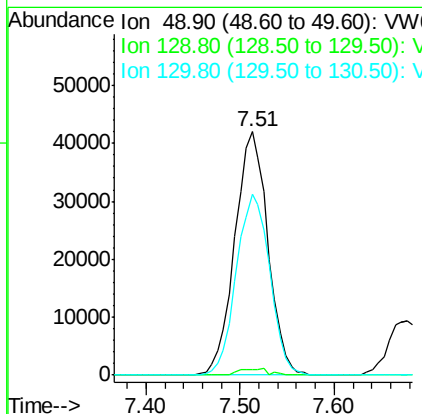
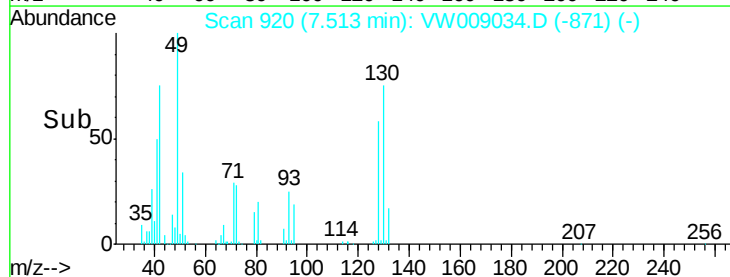
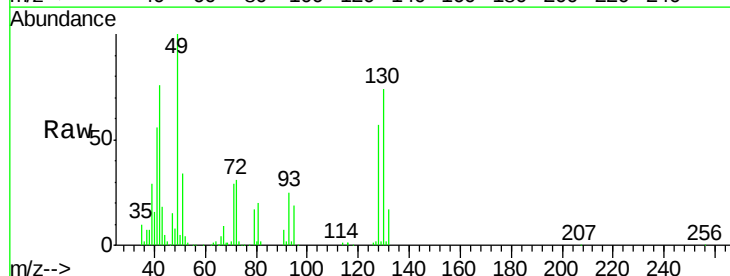
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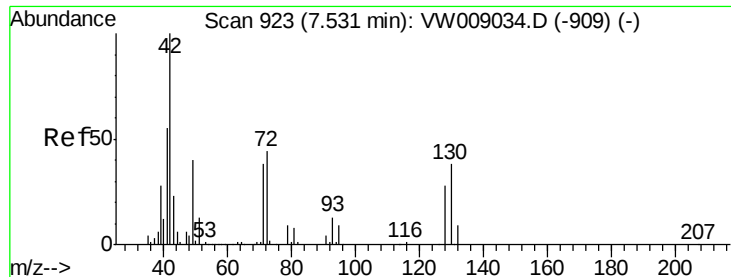


#28

Bromochloromethane
Concen: 46.083 ug/l
RT: 7.51 min Scan# 920
Delta R.T. 0.00 min
Lab File: VW009034.D
Acq: 07 Mar 2019 12:12

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
49	100				
129	2.3	0.0	4.6		
130	75.5	60.4	90.6		





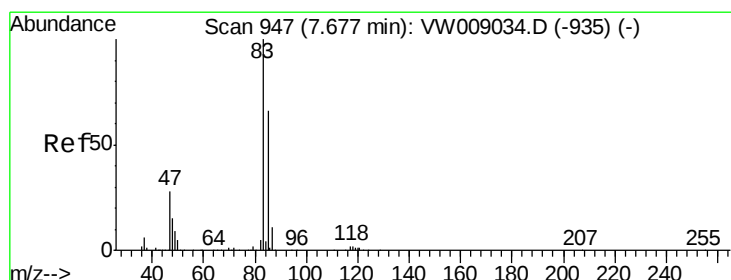
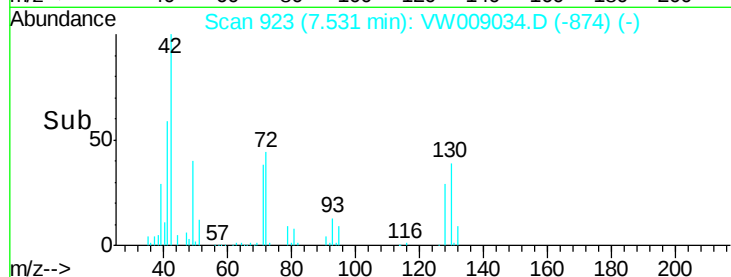
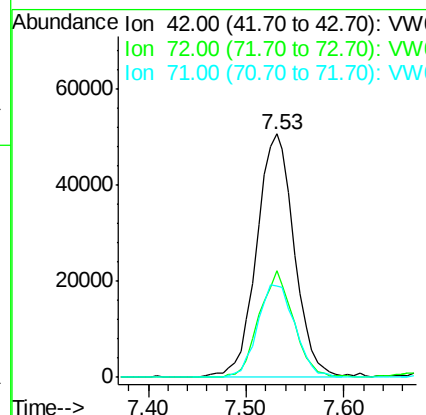
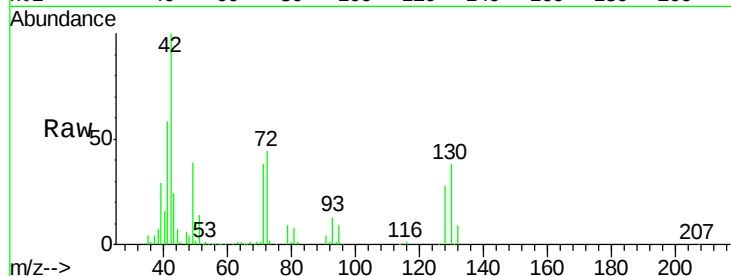
#29
Tetrahydrofuran
Concen: 227.021 ug/l
RT: 7.53 min Scan# 923
Delta R.T. 0.00 min
Lab File: VW009034.D
Acq: 07 Mar 2019 12:12

Instrument :
MSVOA_W
ClientSampled :
VSTDICCC050

Tot Ion	Ratio	Lower	Upper
42	100		
72	40.3	32.2	48.4
71	38.4	30.7	46.1

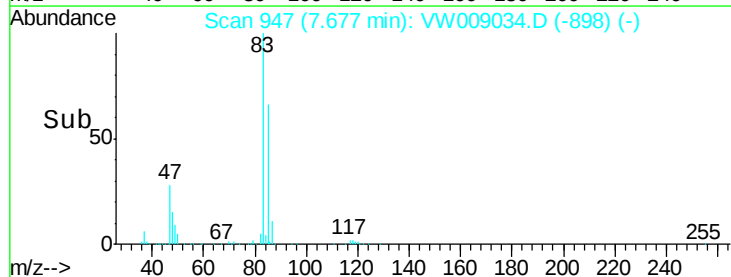
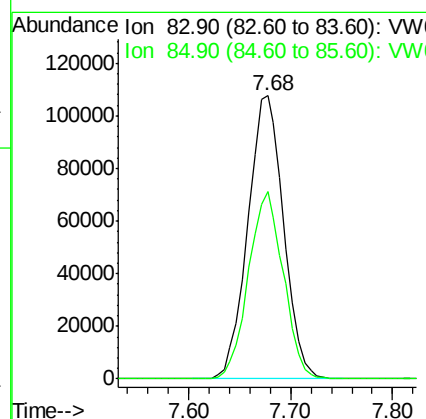
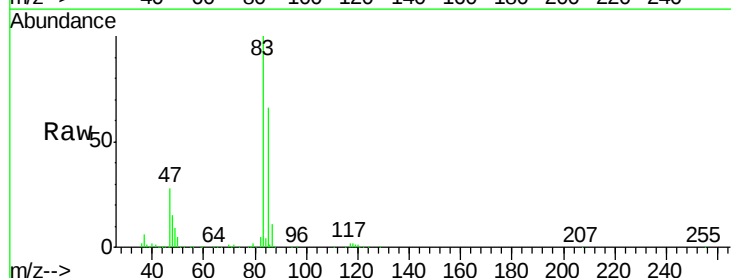
Manual Integrations
APPROVED

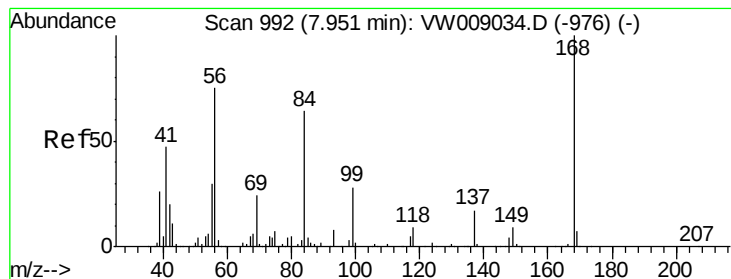
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#30
Chloroform
Concen: 47.437 ug/l
RT: 7.68 min Scan# 947
Delta R.T. 0.00 min
Lab File: VW009034.D
Acq: 07 Mar 2019 12:12

Tgt Ion	Ratio	Lower	Upper
83	100		
85	66.3	53.0	79.6





#31

Cyclohexane

Concen: 45.385 ug/l

RT: 7.95 min Scan# 992

Delta R.T. 0.00 min

Lab File: VW009034.D

Acq: 07 Mar 2019 12:12

Instrument :

MSVOA_W

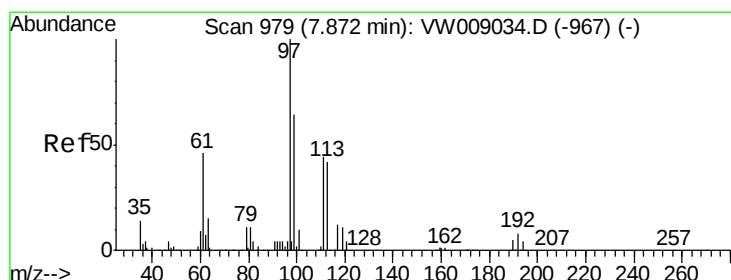
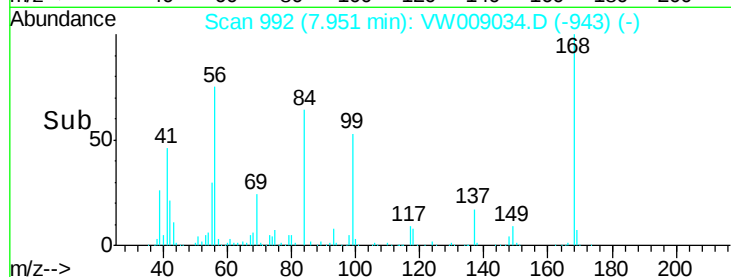
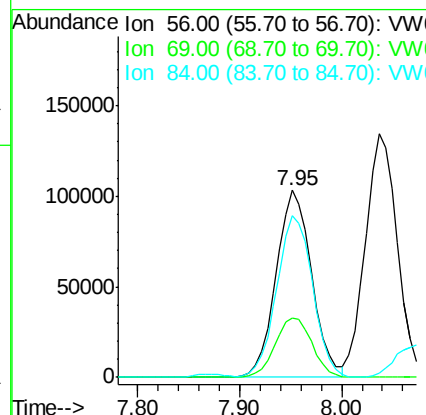
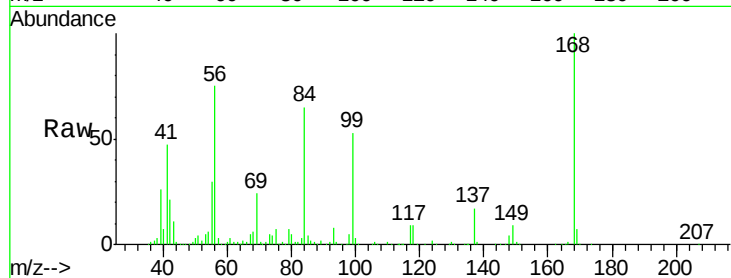
ClientSampled :

VSTDICCC050

Tot Ion:	56	Resp:	249685
Ion Ratio	Lower	Upper	
56	100		
69	31.9	25.5	38.3
84	85.8	68.6	103.0

Manual Integrations
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#32

1,1,1-Trichloroethane

Concen: 47.262 ug/l

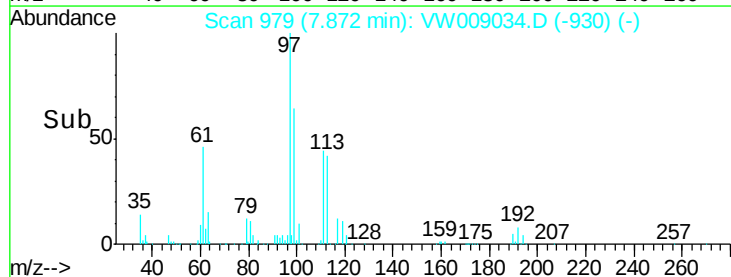
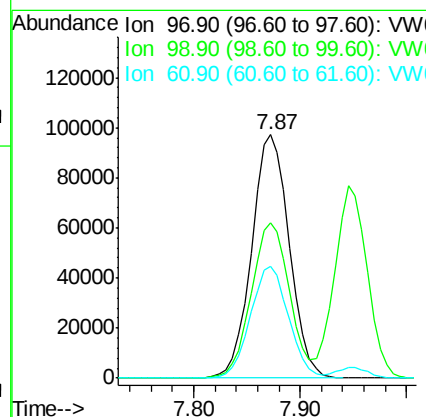
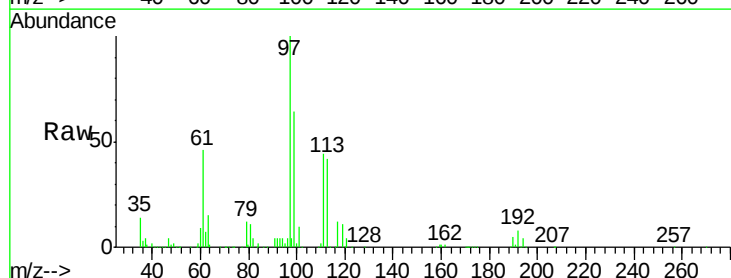
RT: 7.87 min Scan# 979

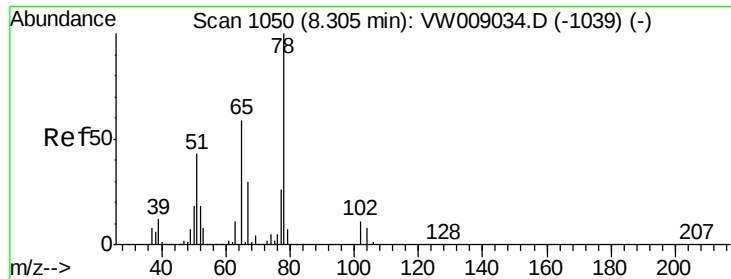
Delta R.T. 0.00 min

Lab File: VW009034.D

Acq: 07 Mar 2019 12:12

Tgt Ion:	97	Resp:	240475
Ion Ratio	Lower	Upper	
97	100		
99	64.8	51.8	77.8
61	46.6	37.3	55.9





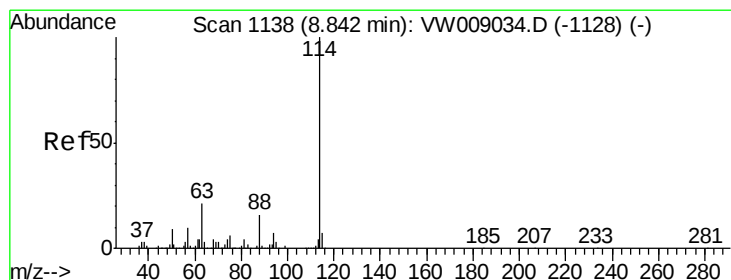
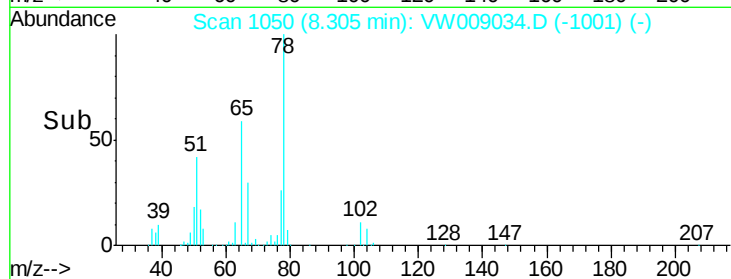
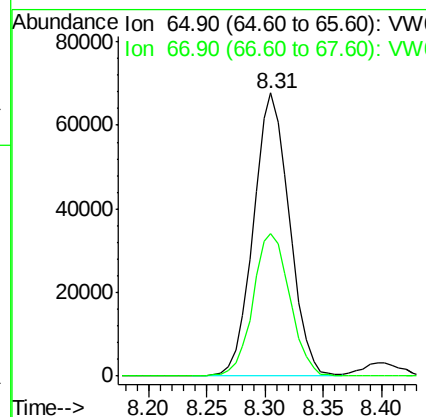
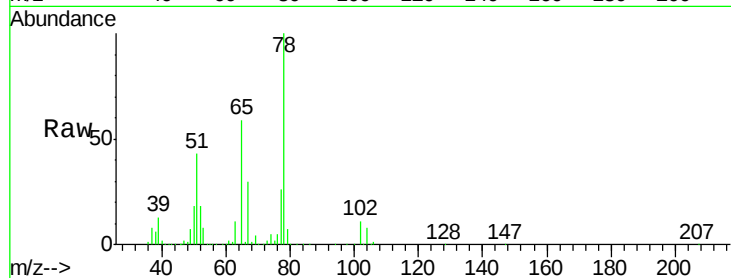
#33
 1,2-Dichloroethane-d4
 Concen: 48.003 ug/l
 RT: 8.31 min Scan# 1050
 Delta R.T. 0.00 min
 Lab File: VW009034.D
 Acq: 07 Mar 2019 12:12

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDICCC050

Tot Ion	Ratio	Resp	Lower	Upper
65	100	146108		
67	51.5	0.0	103.0	

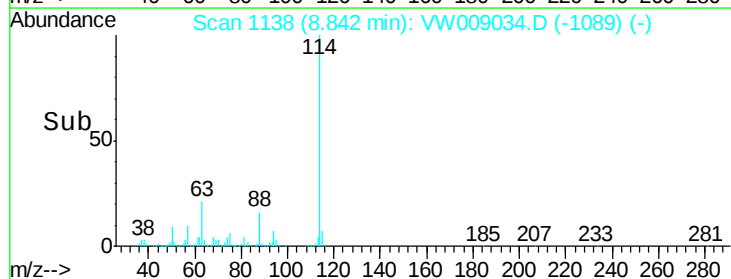
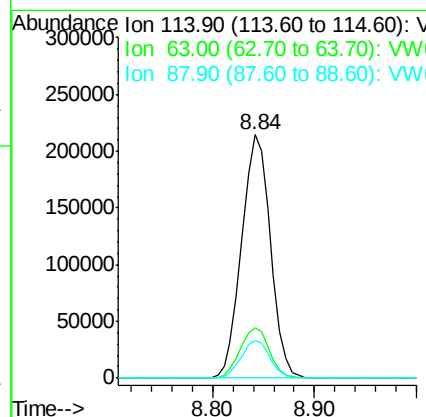
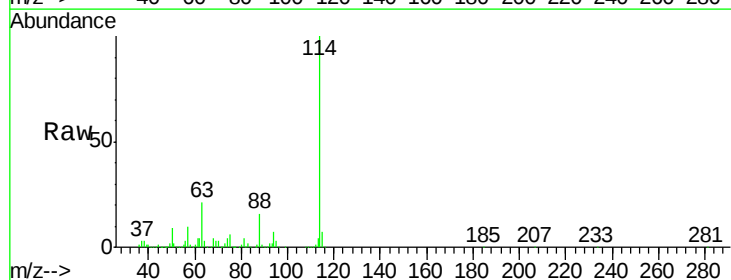
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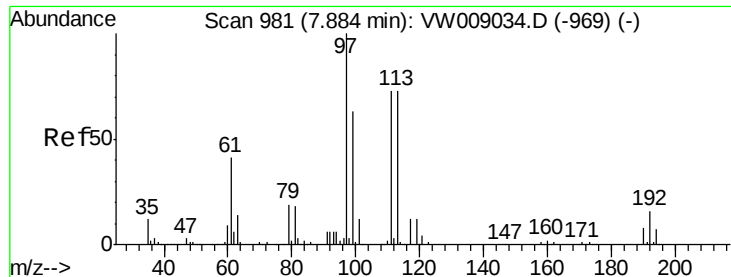
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1138
 Delta R.T. 0.00 min
 Lab File: VW009034.D
 Acq: 07 Mar 2019 12:12

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	420032		
63	20.6	0.0	41.2	
88	15.6	0.0	31.2	





#35

Dibromofluoromethane

Concen: 51.860 ug/l

RT: 7.88 min Scan# 981

Delta R.T. 0.00 min

Lab File: VW009034.D

Acq: 07 Mar 2019 12:12

Instrument :

MSVOA_W

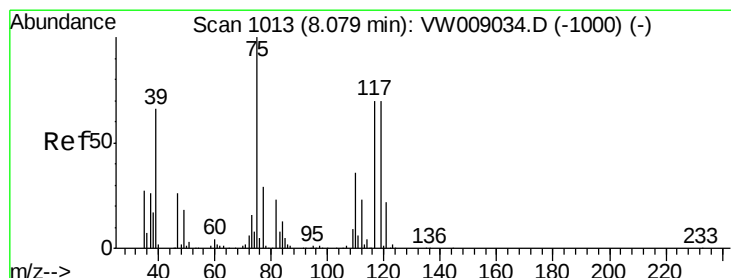
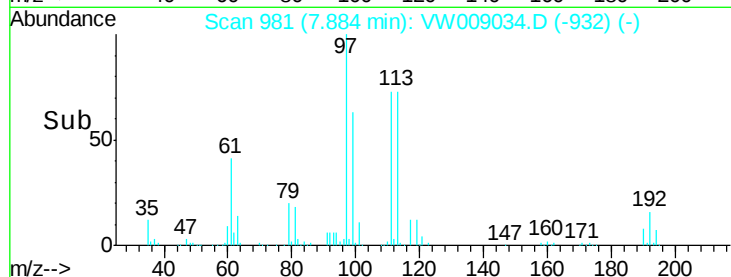
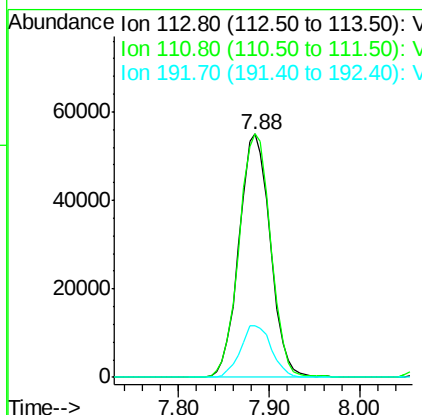
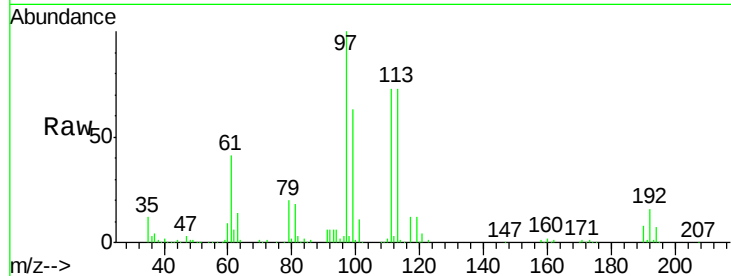
ClientSampleId :

VSTDICCC050

Tot Ion:	113	Resp:	131378
Ion Ratio	Lower	Upper	
113	100		
111	101.2	81.0	121.4
192	21.4	17.1	25.7

Manual Integrations
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#36

1,1-Dichloropropene

Concen: 47.990 ug/l

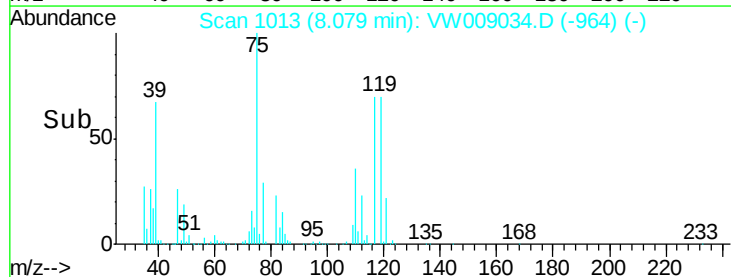
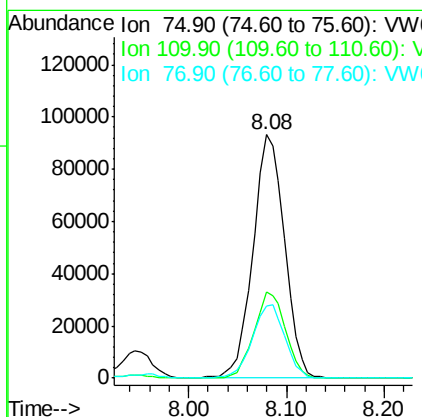
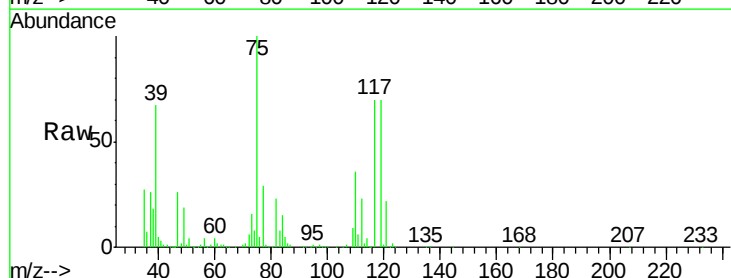
RT: 8.08 min Scan# 1013

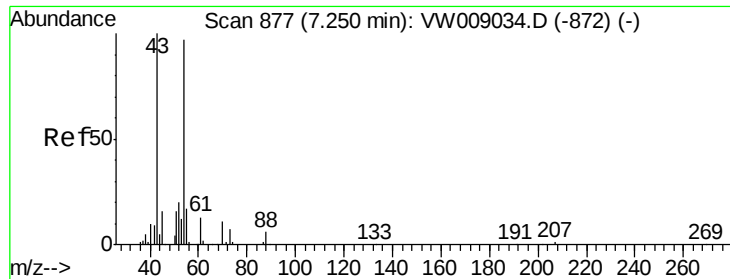
Delta R.T. 0.00 min

Lab File: VW009034.D

Acq: 07 Mar 2019 12:12

Tgt Ion:	75	Resp:	208567
Ion Ratio	Lower	Upper	
75	100		
110	35.3	17.6	52.9
77	31.4	25.1	37.7





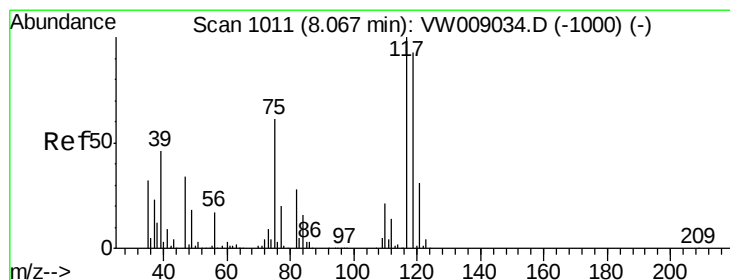
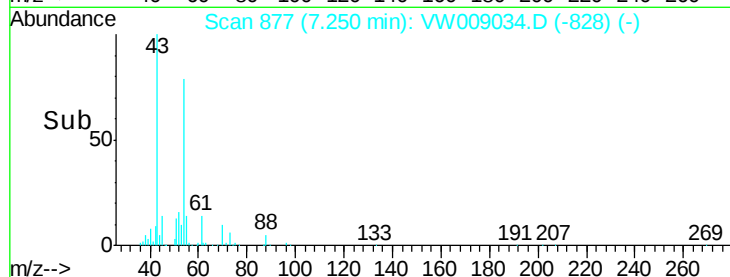
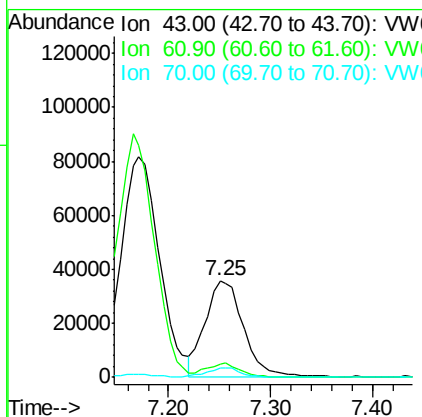
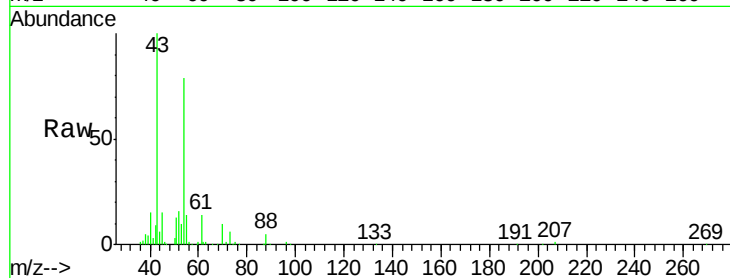
#37
Ethyl Acetate
Concen: 45.315 ug/l
RT: 7.25 min Scan# 877
Delta R.T. 0.00 min
Lab File: VW009034.D
Acq: 07 Mar 2019 12:12

Instrument :
MSVOA_W
ClientSampled :
VSTDICCC050

Tot Ion	Ratio	Lower	Upper
43	100		
61	12.2	9.8	14.6
70	9.0	7.2	10.8

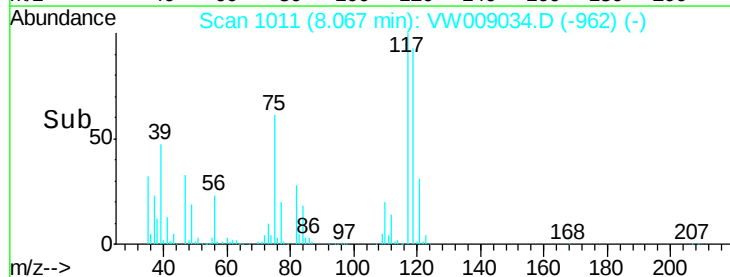
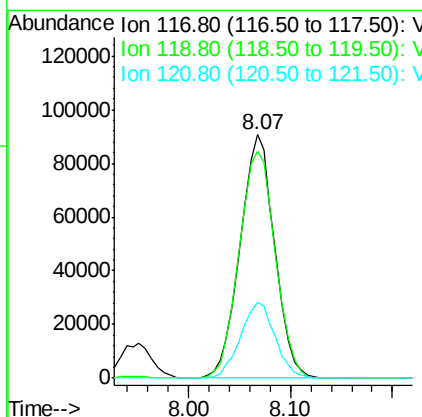
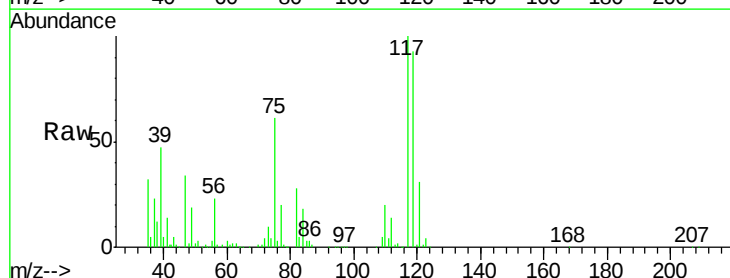
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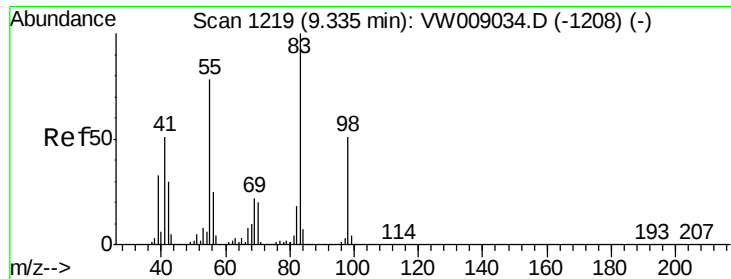
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#38
Carbon Tetrachloride
Concen: 47.223 ug/l
RT: 8.07 min Scan# 1011
Delta R.T. 0.00 min
Lab File: VW009034.D
Acq: 07 Mar 2019 12:12

Tgt Ion	Ratio	Lower	Upper
117	100		
119	93.3	74.6	112.0
121	30.9	24.7	37.1





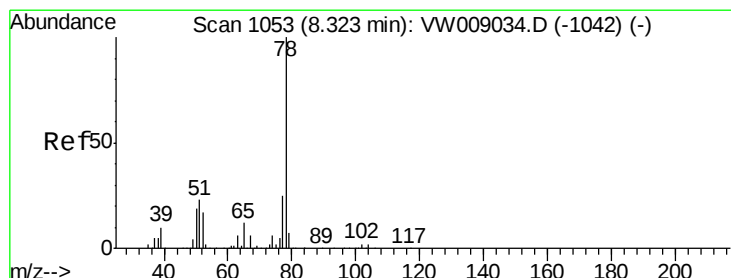
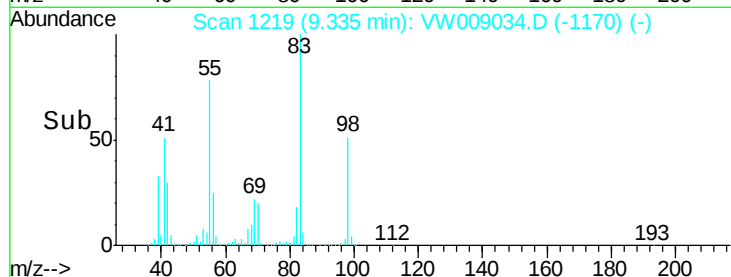
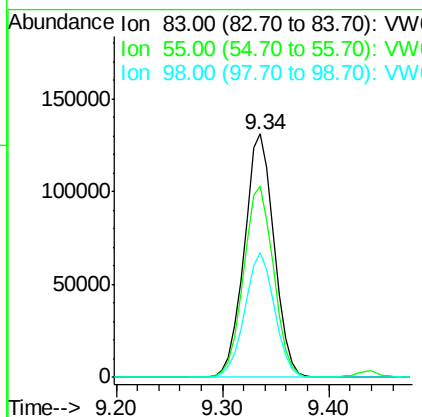
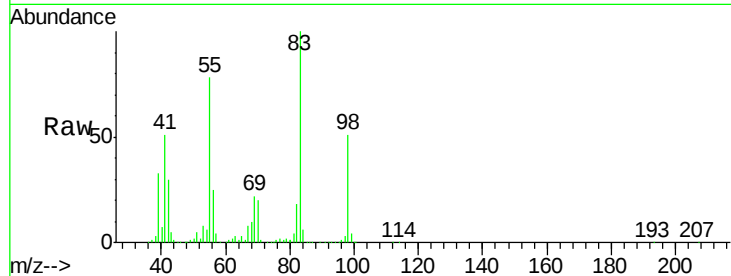
#39
Methvlcvclohexane
Concen: 49.631 ug/l
RT: 9.34 min Scan# 1219
Delta R.T. 0.00 min
Lab File: VW009034.D
Acq: 07 Mar 2019 12:12

Instrument :
MSVOA_W
ClientSampleId :
VSTDICCC050

Tot Ion	Ratio	Lower	Upper
83	100		
55	78.4	62.7	94.1
98	51.0	40.8	61.2

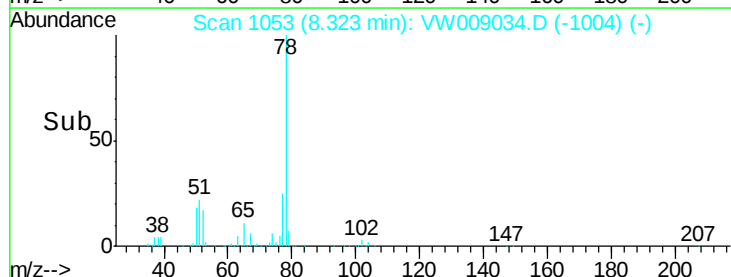
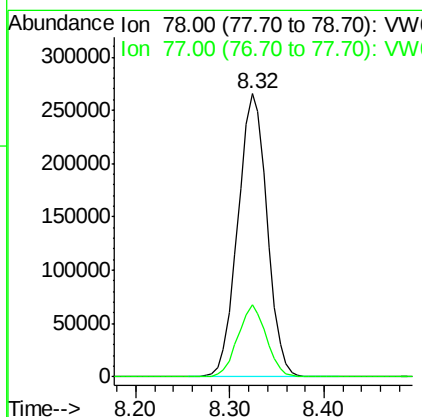
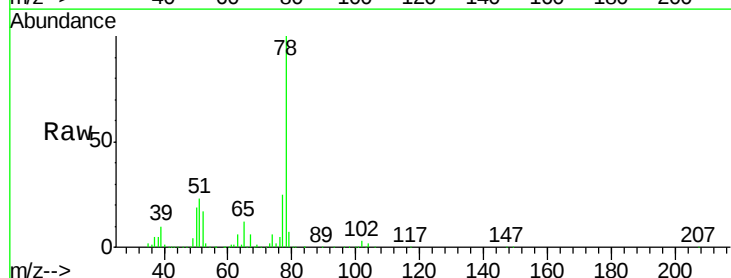
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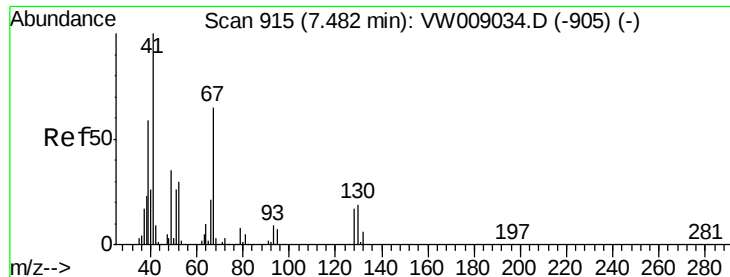
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#40
Benzene
Concen: 49.788 ug/l
RT: 8.32 min Scan# 1053
Delta R.T. 0.00 min
Lab File: VW009034.D
Acq: 07 Mar 2019 12:12

Tgt Ion	Ratio	Lower	Upper
78	100		
77	25.3	20.2	30.4





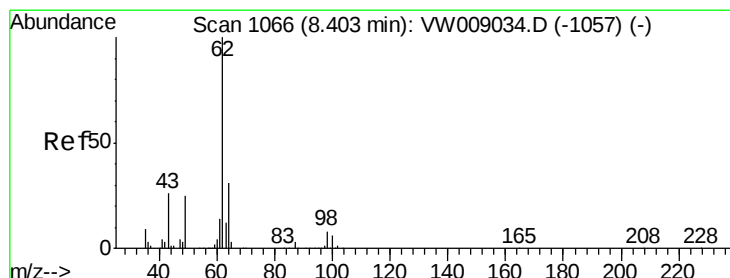
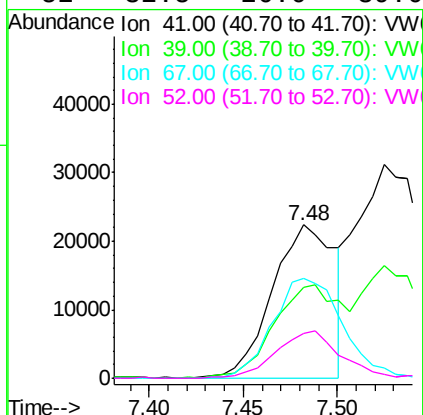
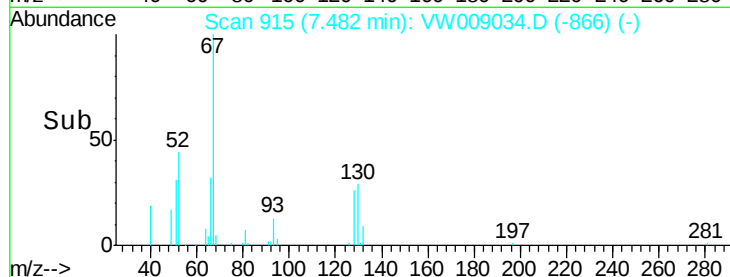
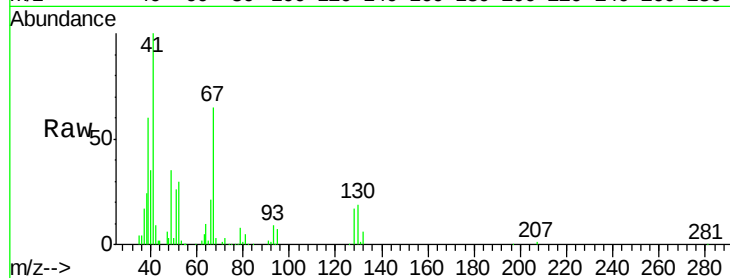
#41
Methacrylonitrile
Concen: 48.084 ug/l
RT: 7.48 min Scan# 915
Delta R.T. 0.00 min
Lab File: VW009034.D
Acq: 07 Mar 2019 12:12

Instrument :
MSVOA_W
ClientSampleId :
VSTDICCC050

Tot Ion	Ratio	Lower	Upper
41	100		
39	67.0	53.6	80.4
67	72.0	57.6	86.4
52	32.5	26.0	39.0

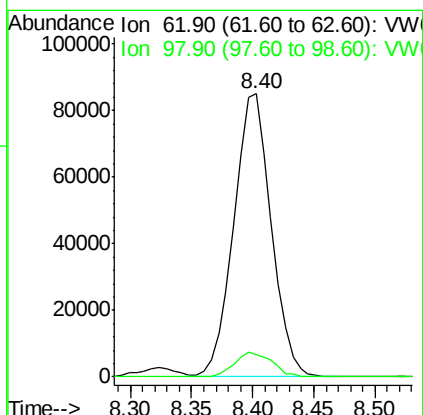
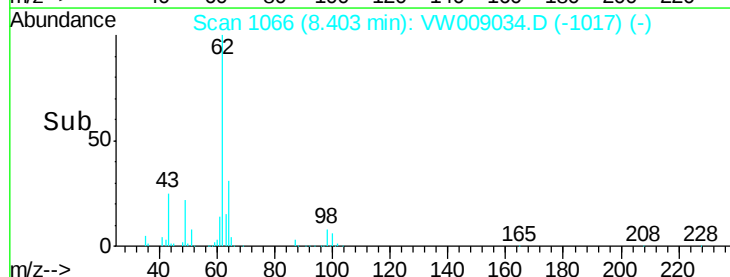
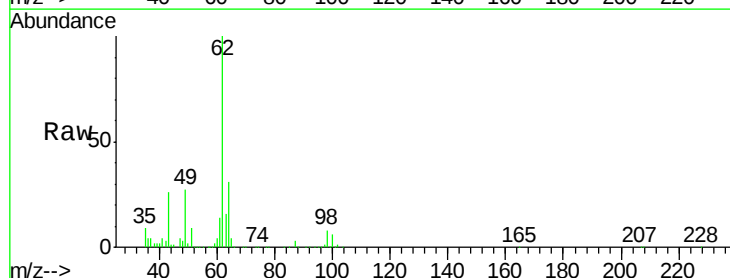
Manual Integrations
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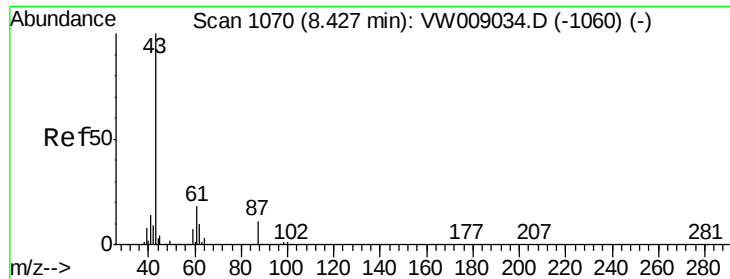
MMDadoda
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#42
1,2-Dichloroethane
Concen: 47.900 ug/l
RT: 8.40 min Scan# 1066
Delta R.T. 0.00 min
Lab File: VW009034.D
Acq: 07 Mar 2019 12:12

Tgt Ion	Ratio	Lower	Upper
62	100		
98	8.8	0.0	17.6





#43

Isopropyl Acetate

Concen: 48.383 ug/l

RT: 8.43 min Scan# 1070

Delta R.T. 0.00 min

Lab File: VW009034.D

Acq: 07 Mar 2019 12:12

Instrument :

MSVOA_W

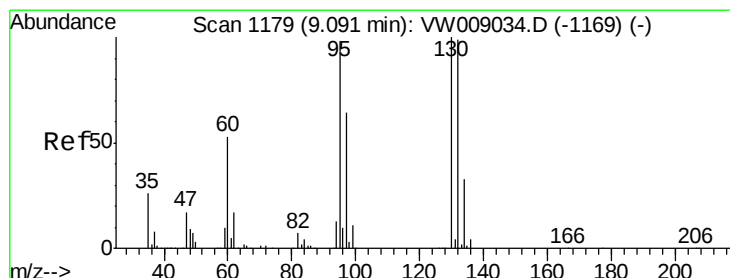
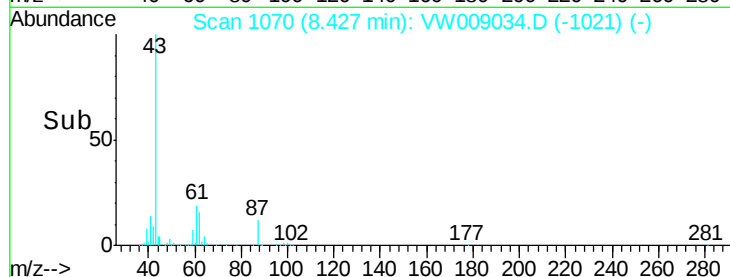
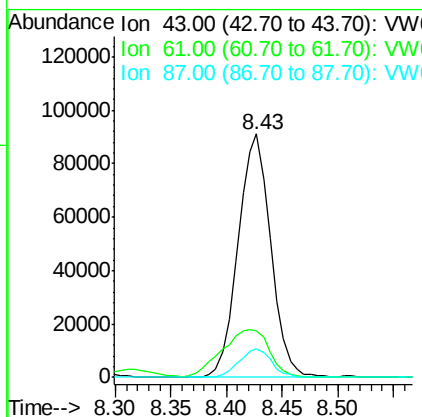
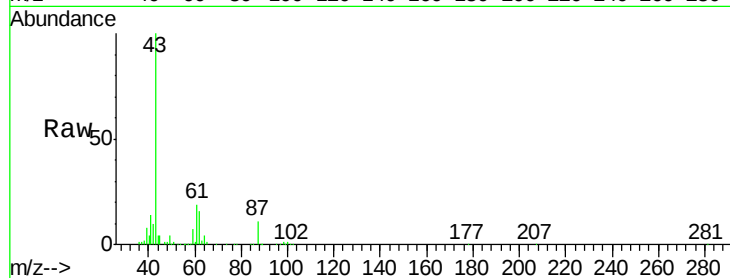
ClientSampleId :

VSTDICCC050

Tot Ion:	43	Resp:	184789
Ion	Ratio	Lower	Upper
43	100		
61	28.5	22.8	34.2
87	11.8	9.4	14.2

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#44

Trichloroethene

Concen: 48.130 ug/l

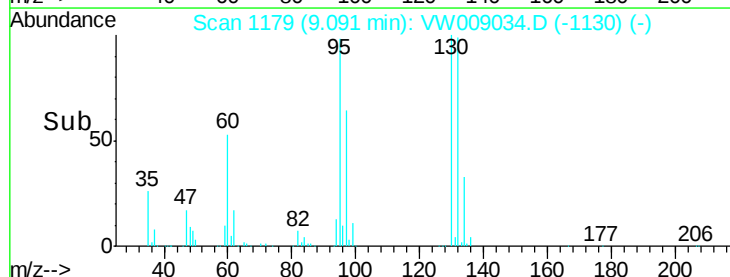
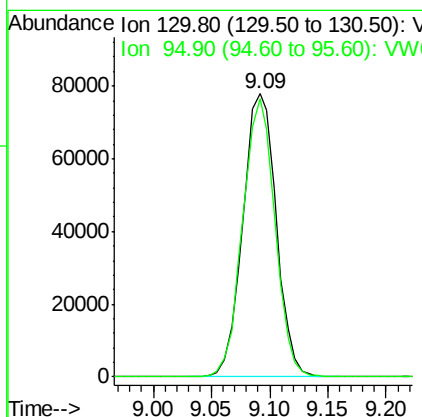
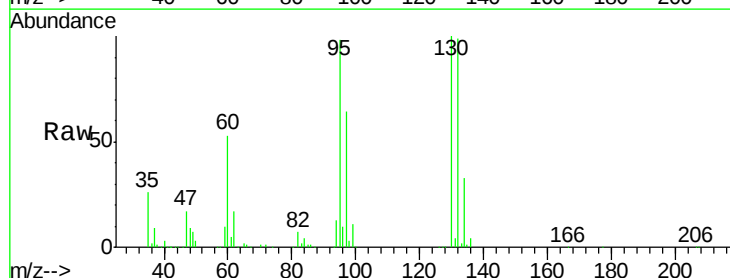
RT: 9.09 min Scan# 1179

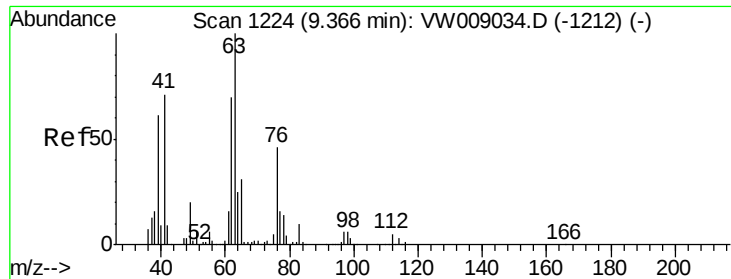
Delta R.T. 0.00 min

Lab File: VW009034.D

Acq: 07 Mar 2019 12:12

Tgt Ion:	130	Resp:	156370
Ion	Ratio	Lower	Upper
130	100		
95	98.5	0.0	197.0





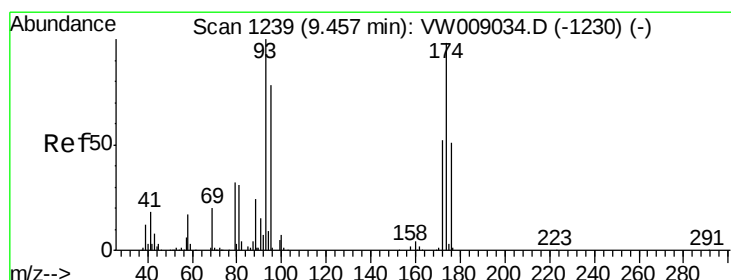
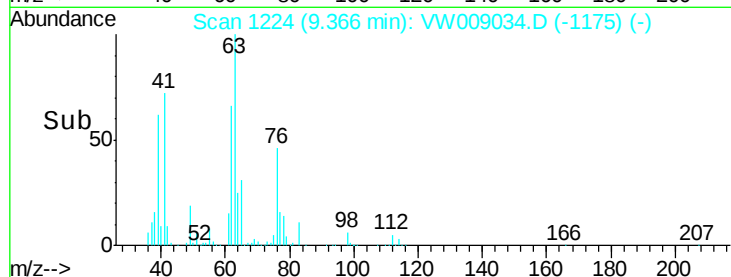
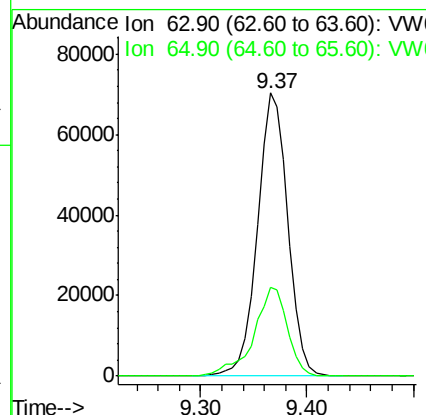
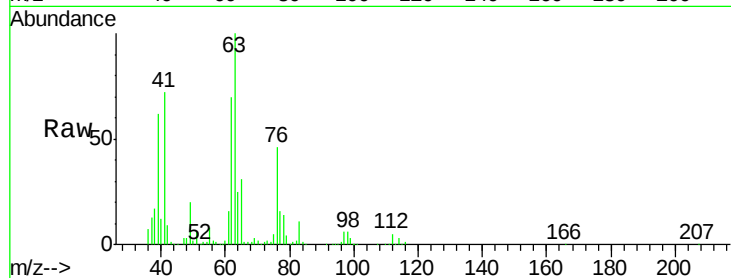
#45
 1,2-Dichloropropane
 Concen: 48.804 ug/l
 RT: 9.37 min Scan# 1224
 Delta R.T. 0.00 min
 Lab File: VW009034.D
 Acq: 07 Mar 2019 12:12

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDICCC050

Tot Ion	Ratio	Lower	Upper
63	100		
65	31.1	24.9	37.3

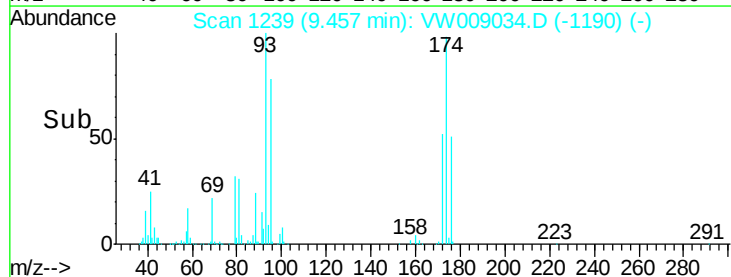
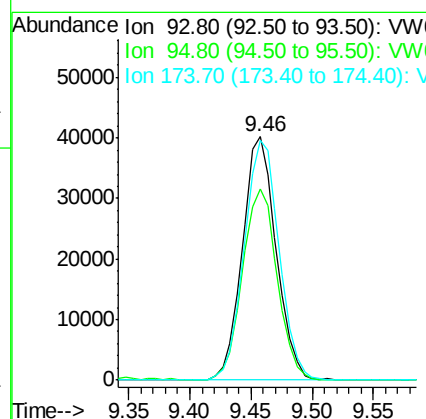
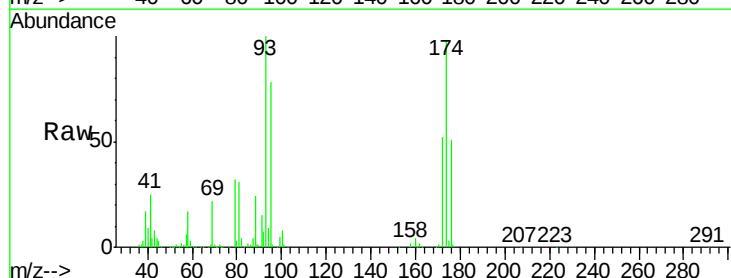
Manual Integrations
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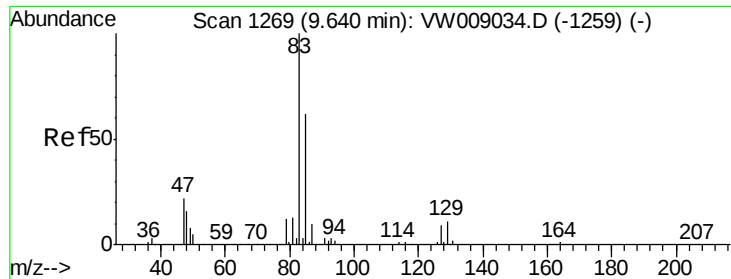
MMDadoda
 3/8/2019 12:07:15 PM



#46
 Dibromomethane
 Concen: 47.988 ug/l
 RT: 9.46 min Scan# 1239
 Delta R.T. 0.00 min
 Lab File: VW009034.D
 Acq: 07 Mar 2019 12:12

Tgt Ion	Ratio	Lower	Upper
93	100		
95	81.3	65.0	97.6
174	102.2	81.8	122.6





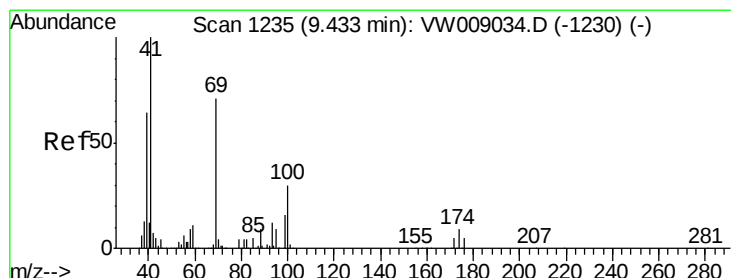
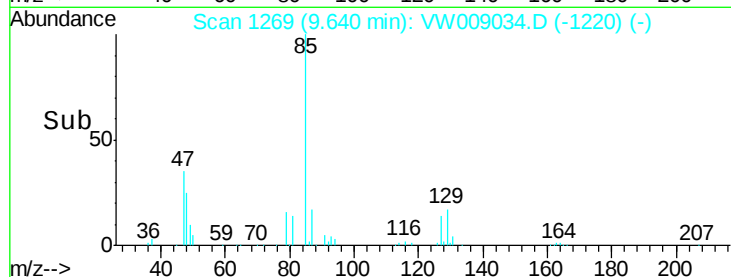
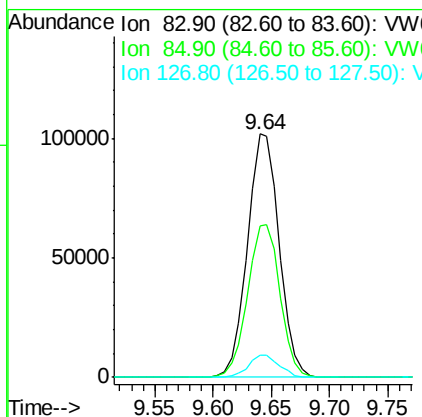
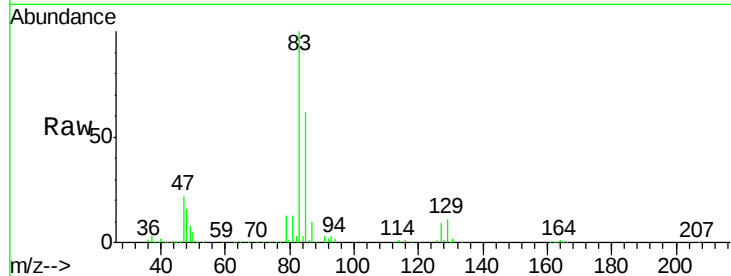
#47
Bromodichloromethane
Concen: 48.198 ug/l
RT: 9.64 min Scan# 1269
Delta R.T. 0.00 min
Lab File: VW009034.D
Acq: 07 Mar 2019 12:12

Instrument :
MSVOA_W
ClientSampled :
VSTDICCC050

Tot Ion	Ratio	Resp	Lower	Upper
83	100	193967		
85	62.4	49.9	74.9	
127	8.9	7.1	10.7	

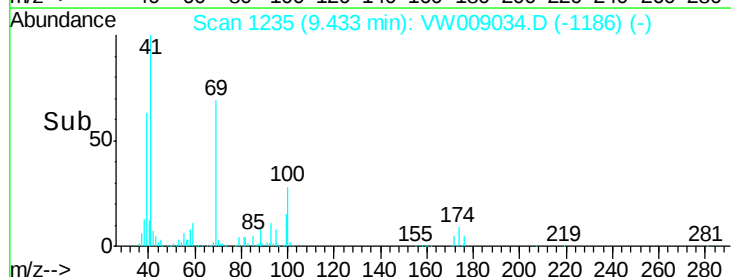
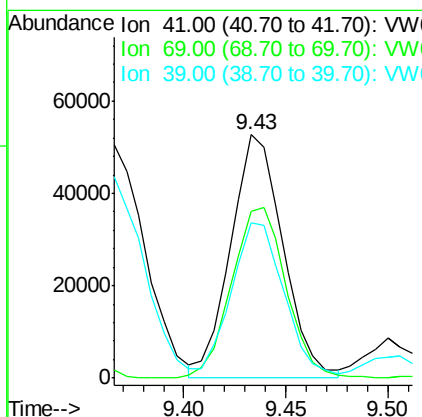
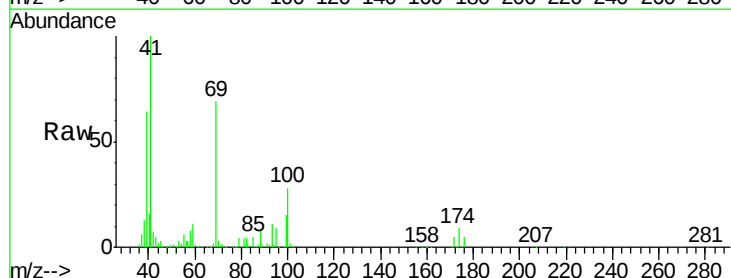
Manual Integrations
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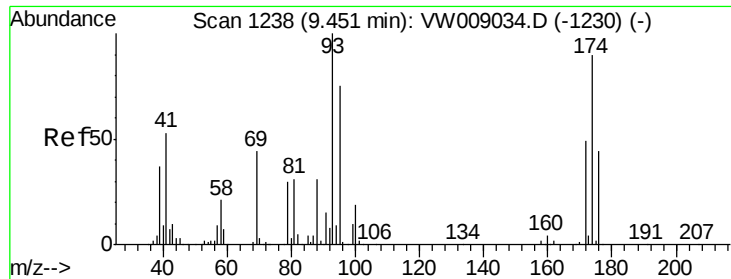
MMDadoda
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#48
Methyl methacrylate
Concen: 51.808 ug/l
RT: 9.43 min Scan# 1235
Delta R.T. 0.00 min
Lab File: VW009034.D
Acq: 07 Mar 2019 12:12

Tgt Ion	Ratio	Resp	Lower	Upper
41	100	93303		
69	73.9	59.1	88.7	
39	61.1	48.9	73.3	





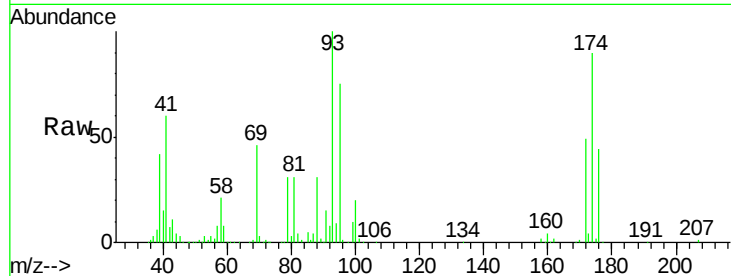
#49
1,4-Dioxane
Concen: 980.162 ug/l
RT: 9.45 min Scan# 1238
Delta R.T. 0.00 min
Lab File: VW009034.D
Acq: 07 Mar 2019 12:12

Instrument :
MSVOA_W
ClientSampled :
VSTDICCC050

Tot Ion	88	Resp	22975
Ion Ratio	100	Lower	Upper
88	100		
43	36.2	29.0	43.4
58	74.0	59.2	88.8

Manual Integrations
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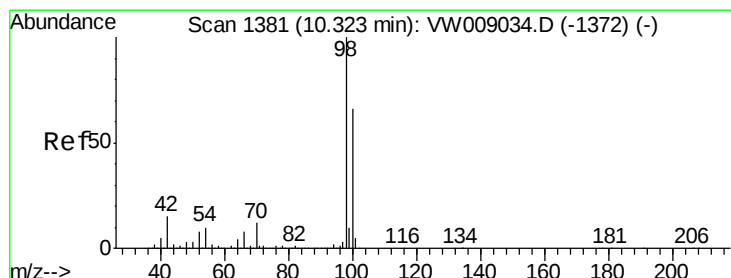
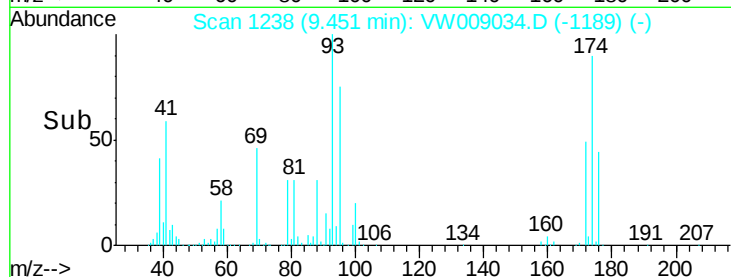
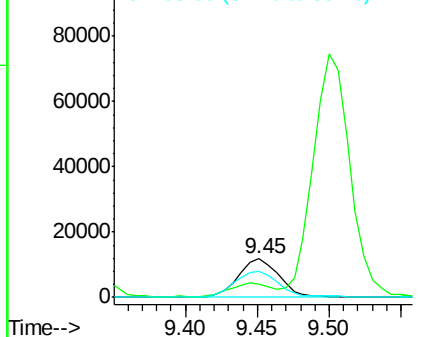


Abundance

Ion 88.00 (87.70 to 88.70): VW

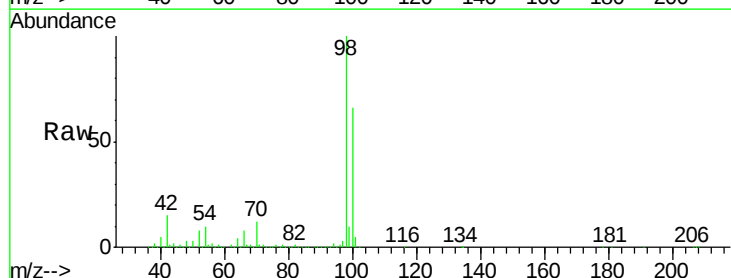
Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW



#50
Toluene-d8
Concen: 53.451 ug/l
RT: 10.32 min Scan# 1381
Delta R.T. 0.00 min
Lab File: VW009034.D
Acq: 07 Mar 2019 12:12

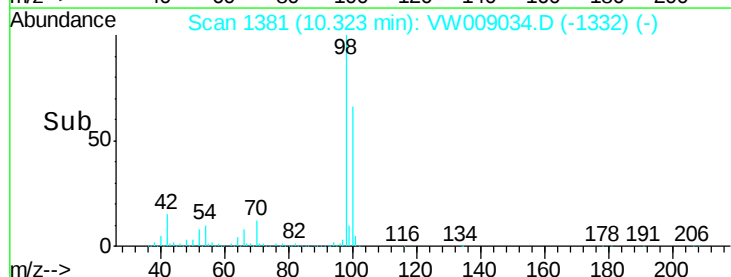
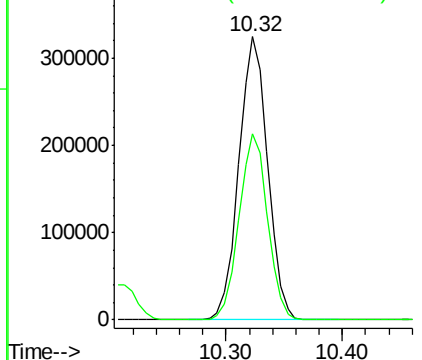
Tgt Ion	98	Resp	559983
Ion Ratio	100	Lower	Upper
98	100		
100	64.9	51.9	77.9

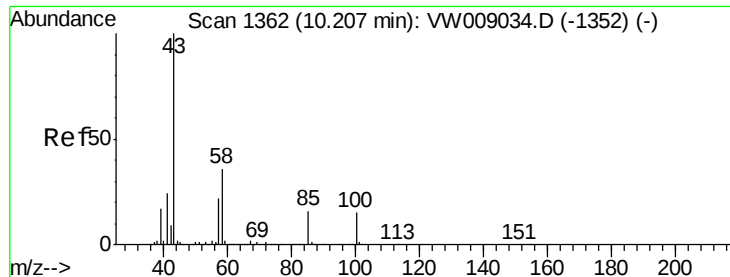


Abundance

Ion 98.00 (97.70 to 98.70): VW

Ion 100.00 (99.70 to 100.70): VW





#51

4-Methyl-2-Pentanone

Concen: 244.226 ug/l

RT: 10.21 min Scan# 1362

Delta R.T. 0.00 min

Lab File: VW009034.D

Acq: 07 Mar 2019 12:12

Instrument :

MSVOA_W

ClientSampleId :

VSTDICCC050

Tot Ion: 43 Resp: 475417

Ion Ratio Lower Upper

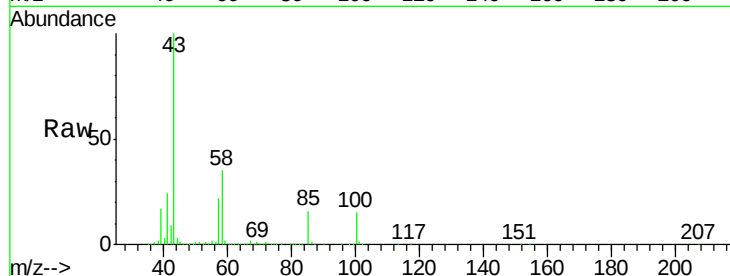
43 100

58 36.0 28.8 43.2

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Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW

10.21

250000

200000

150000

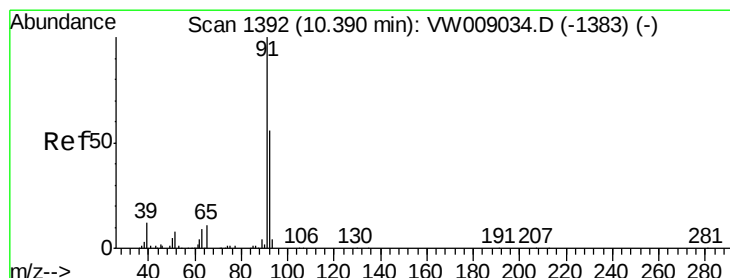
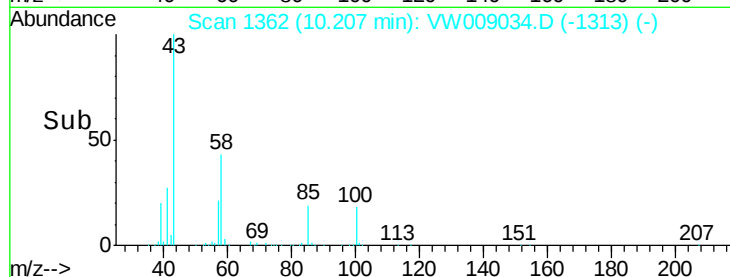
100000

50000

0

Time-->

10.10 10.20 10.30



#52

Toluene

Concen: 49.517 ug/l

RT: 10.39 min Scan# 1392

Delta R.T. 0.00 min

Lab File: VW009034.D

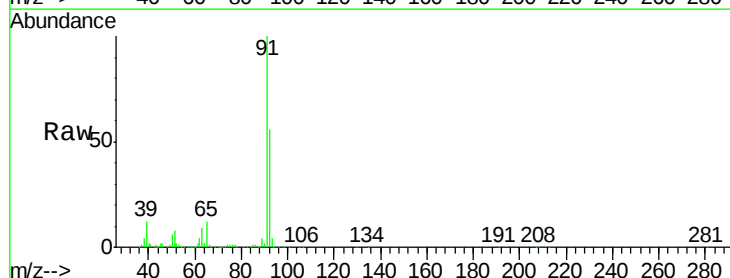
Acq: 07 Mar 2019 12:12

Tgt Ion: 92 Resp: 390278

Ion Ratio Lower Upper

92 100

91 174.9 139.9 209.9



Abundance Ion 92.00 (91.70 to 92.70): VW

Ion 91.00 (90.70 to 91.70): VW

10.39

400000

300000

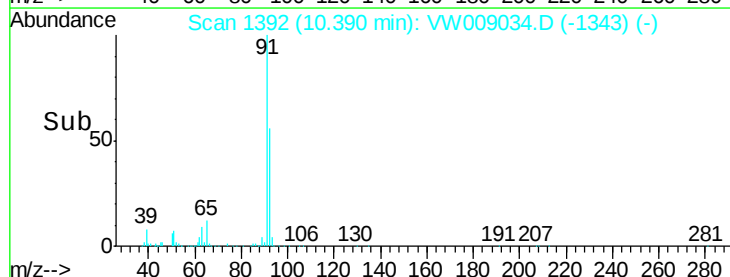
200000

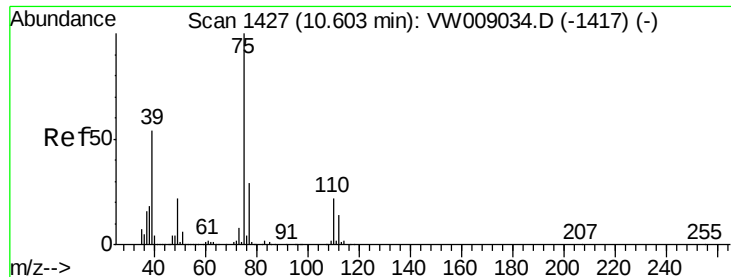
100000

0

Time-->

10.30 10.40





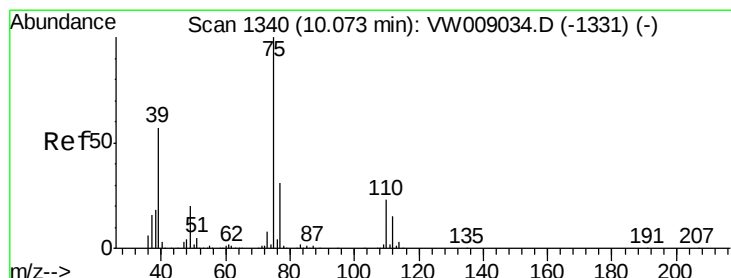
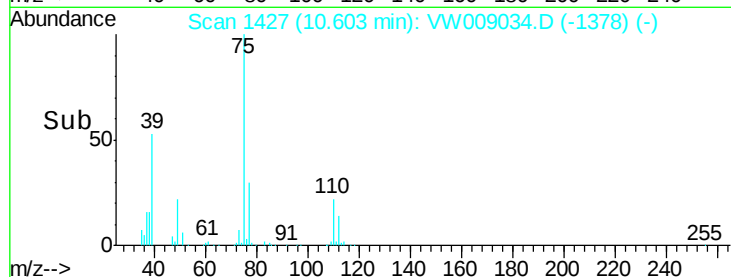
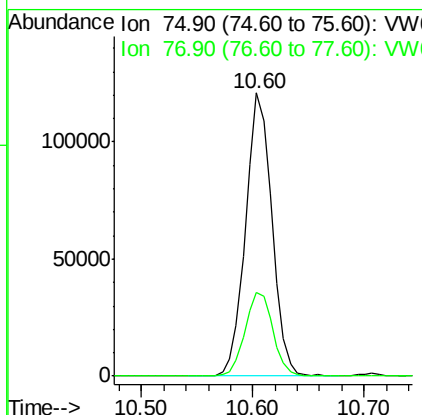
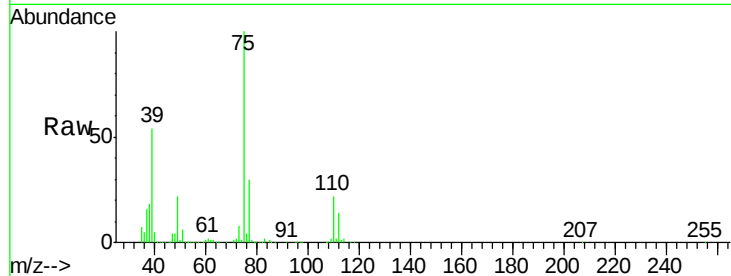
#53
t-1,3-Dichloropropene
Concen: 49.767 ug/l
RT: 10.60 min Scan# 1427
Delta R.T. 0.00 min
Lab File: VW009034.D
Acq: 07 Mar 2019 12:12

Instrument :
MSVOA_W
ClientSampled :
VSTDICCC050

Tot Ion	Ratio	Lower	Upper
75	100		
77	29.5	23.6	35.4

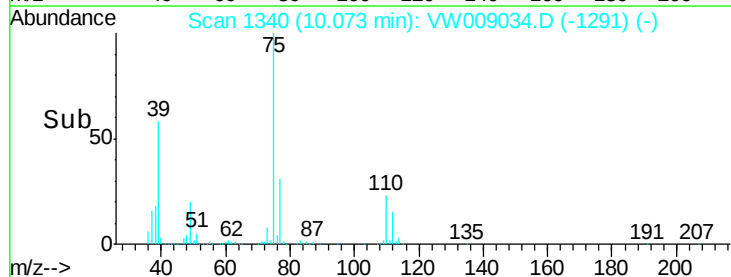
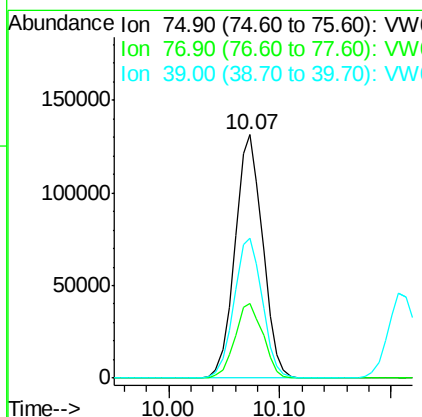
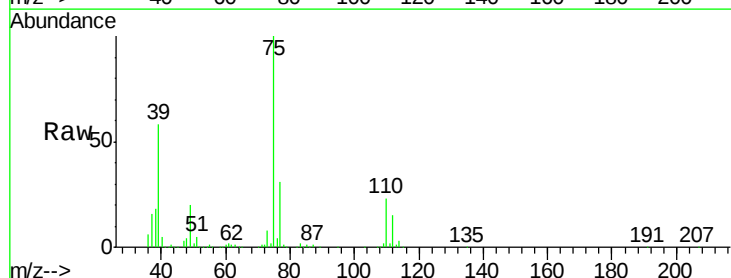
Manual Integrations
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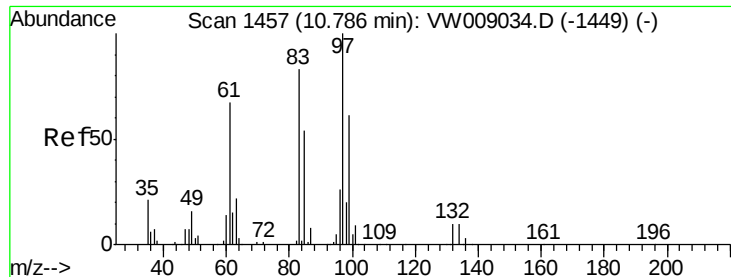
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#54
cis-1,3-Dichloropropene
Concen: 49.442 ug/l
RT: 10.07 min Scan# 1340
Delta R.T. 0.00 min
Lab File: VW009034.D
Acq: 07 Mar 2019 12:12

Tgt Ion	Ratio	Lower	Upper
75	100		
77	30.7	24.6	36.8
39	57.4	45.9	68.9





#55

1,1,2-Trichloroethane

Concen: 47.378 ug/l

RT: 10.79 min Scan# 1457

Delta R.T. 0.00 min

Lab File: VW009034.D

Acq: 07 Mar 2019 12:12

Instrument :

MSVOA_W

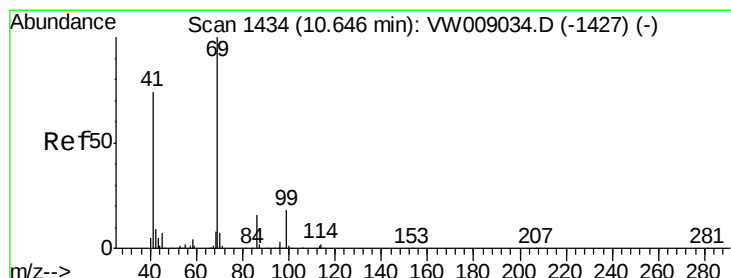
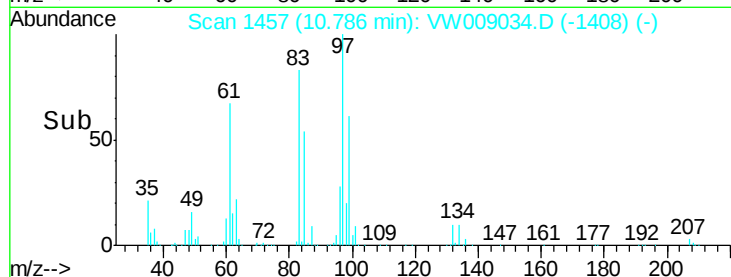
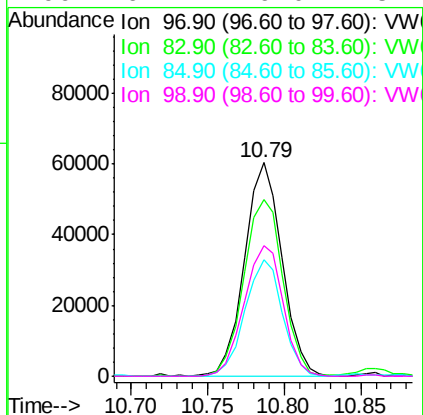
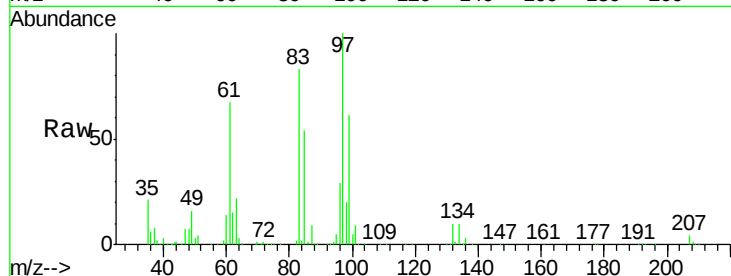
ClientSampleId :

VSTDICCC050

Tot Ion:	97	Resp:	102506
Ion	Ratio	Lower	Upper
97	100		
83	82.7	66.2	99.2
85	54.5	43.6	65.4
99	61.2	49.0	73.4

Manual Integrations
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3/8/2019 12:07:15 PM



#56

Ethyl methacrylate

Concen: 50.702 ug/l

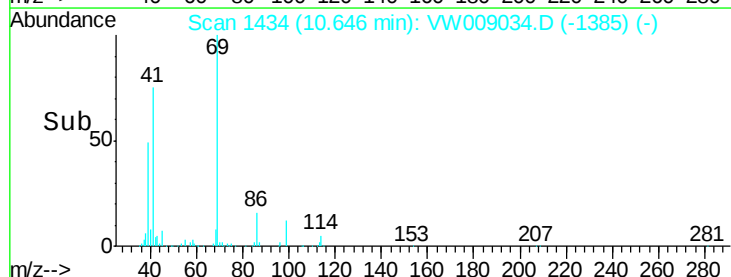
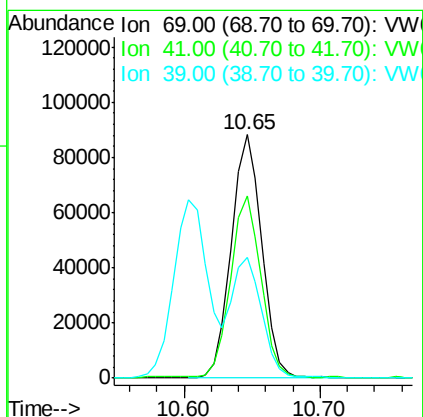
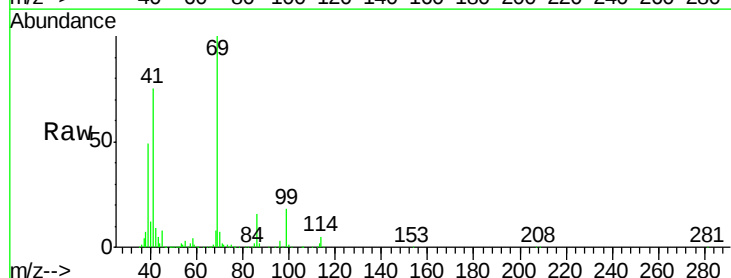
RT: 10.65 min Scan# 1434

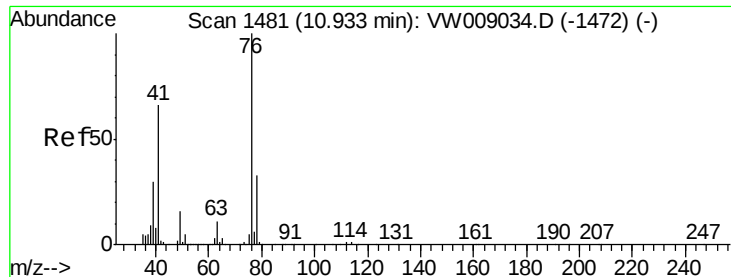
Delta R.T. 0.00 min

Lab File: VW009034.D

Acq: 07 Mar 2019 12:12

Tgt Ion:	69	Resp:	137554
Ion	Ratio	Lower	Upper
69	100		
41	74.3	59.4	89.2
39	48.1	38.5	57.7





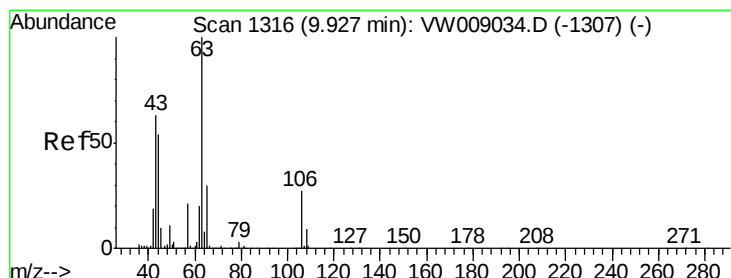
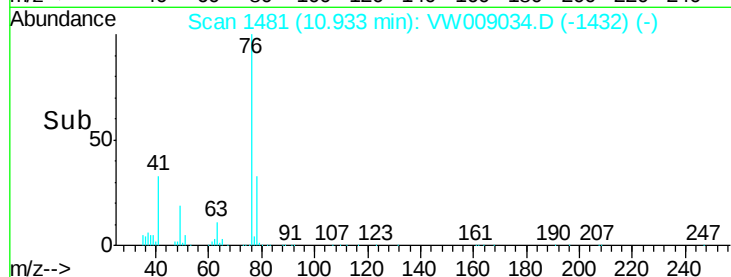
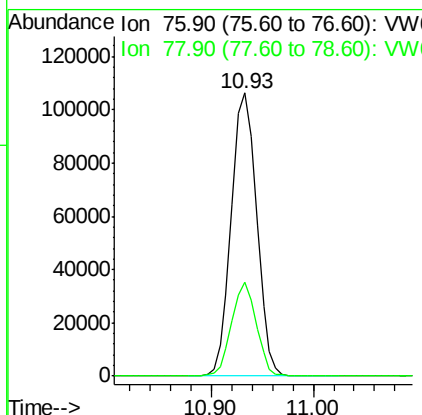
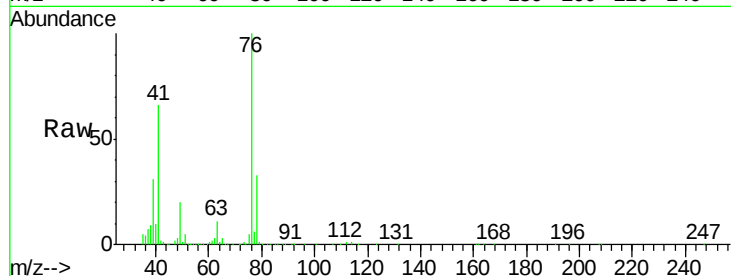
#57
 1,3-Dichloropropane
 Concen: 47.836 ug/l
 RT: 10.93 min Scan# 1481
 Delta R.T. 0.00 min
 Lab File: VW009034.D
 Acq: 07 Mar 2019 12:12

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDICCC050

Tot Ion	Ratio	Lower	Upper
76	100		
78	32.1	25.7	38.5

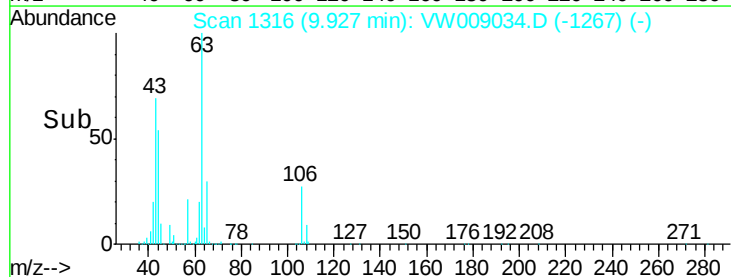
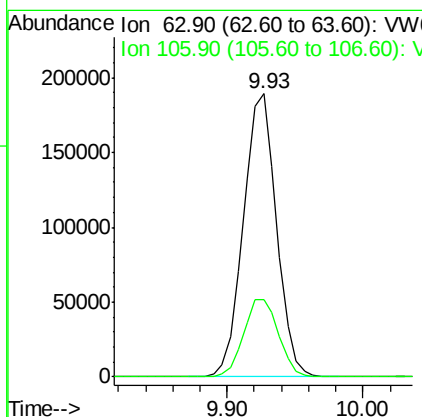
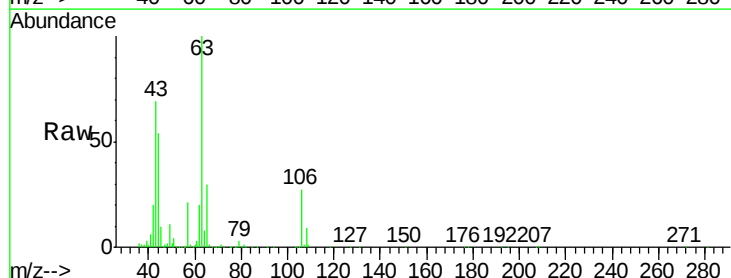
Manual Integrations
 APPROVED

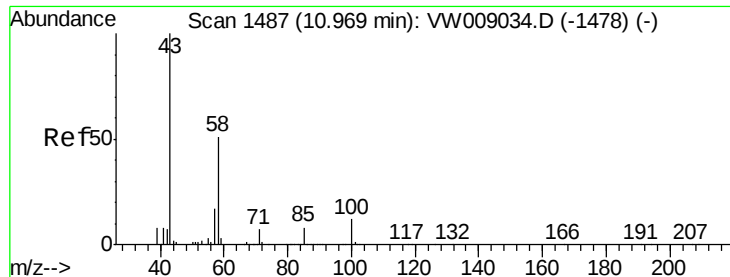
MMDadoda
 3/8/2019 12:07:15 PM



#58
 2-Chloroethyl Vinyl ether
 Concen: 228.561 ug/l
 RT: 9.93 min Scan# 1316
 Delta R.T. 0.00 min
 Lab File: VW009034.D
 Acq: 07 Mar 2019 12:12

Tgt Ion	Ratio	Lower	Upper
63	100		
106	28.8	23.0	34.6





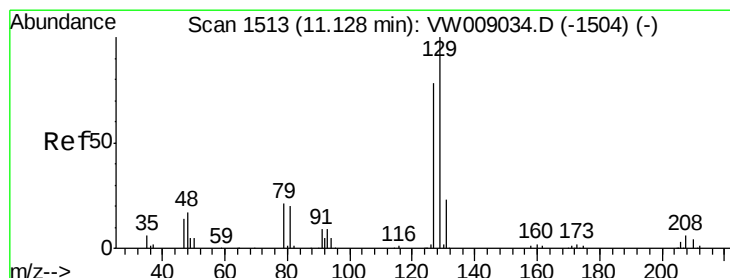
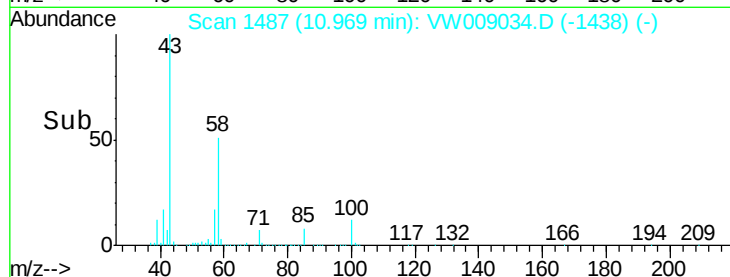
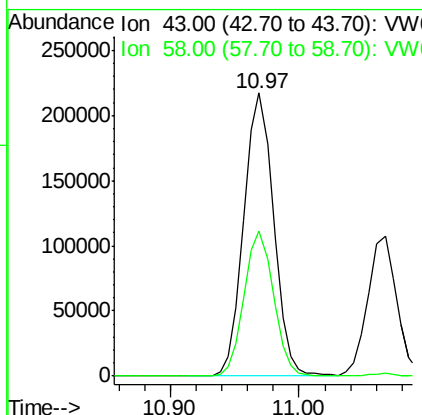
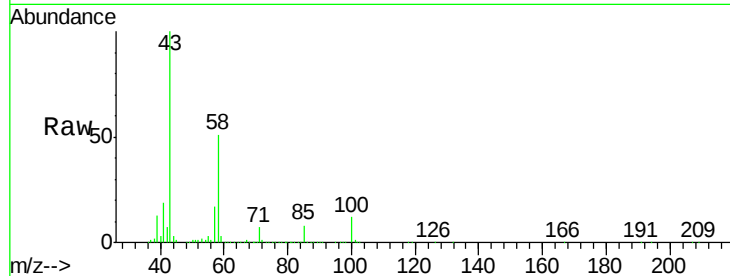
#59
2-Hexanone
Concen: 253.472 ug/l
RT: 10.97 min Scan# 1487
Delta R.T. 0.00 min
Lab File: VW009034.D
Acq: 07 Mar 2019 12:12

Instrument :
MSVOA_W
ClientSampleId :
VSTDICCC050

Tot Ion: 43 Resp: 348347
Ion Ratio Lower Upper
43 100
58 50.6 25.3 75.9

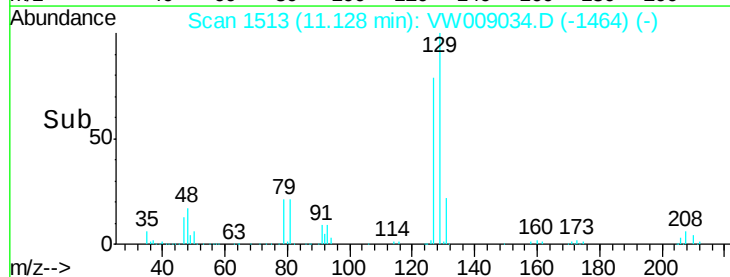
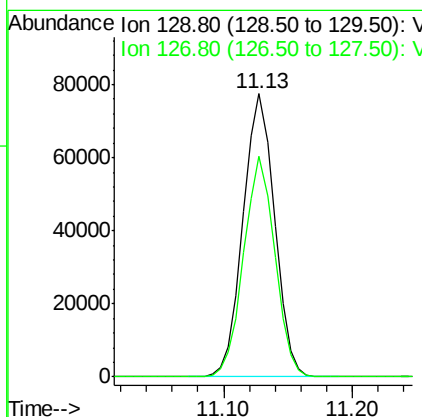
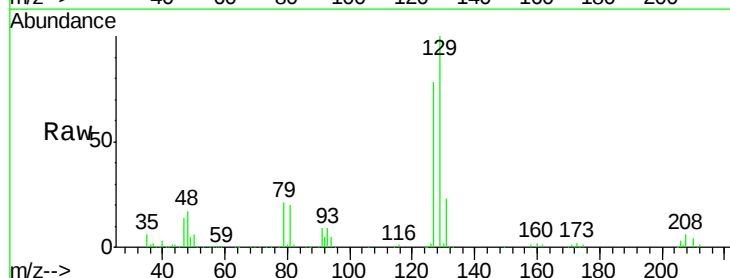
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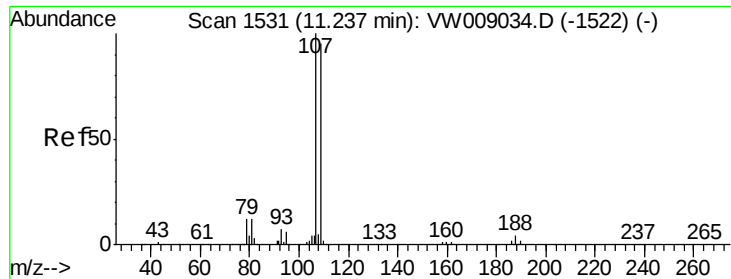
MMDadoda
3/8/2019 12:07:15 PM



#60
Dibromochloromethane
Concen: 49.328 ug/l
RT: 11.13 min Scan# 1513
Delta R.T. 0.00 min
Lab File: VW009034.D
Acq: 07 Mar 2019 12:12

Tgt Ion: 129 Resp: 131127
Ion Ratio Lower Upper
129 100
127 76.7 38.4 115.1





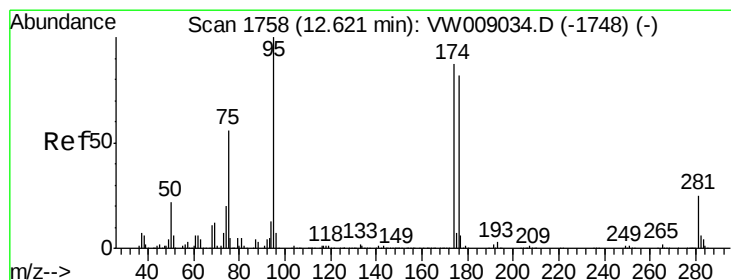
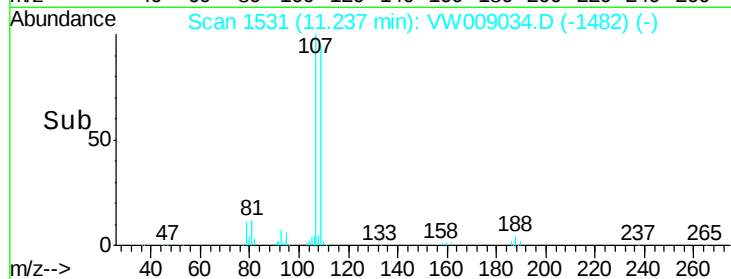
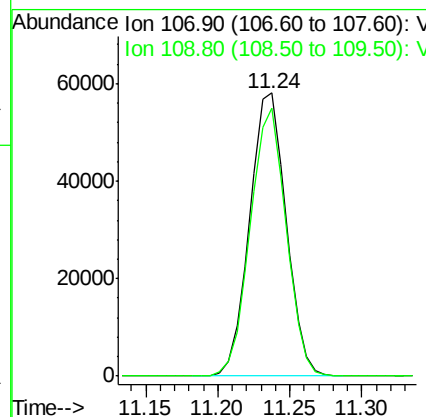
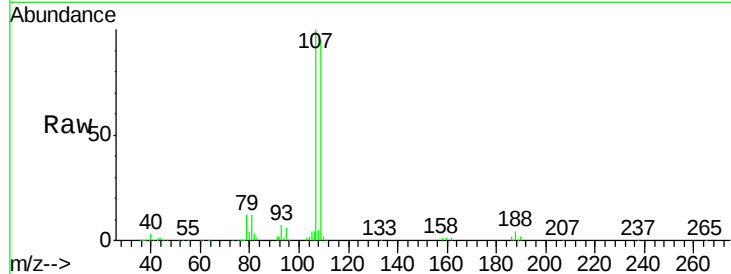
#61
 1,2-Dibromoethane
 Concen: 48.387 ug/l
 RT: 11.24 min Scan# 1531
 Delta R.T. 0.00 min
 Lab File: VW009034.D
 Acq: 07 Mar 2019 12:12

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDICCC050

Tot Ion	Ratio	Lower	Upper
107	100		
109	93.4	74.7	112.1

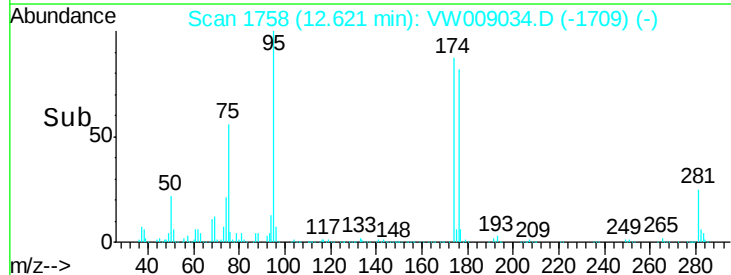
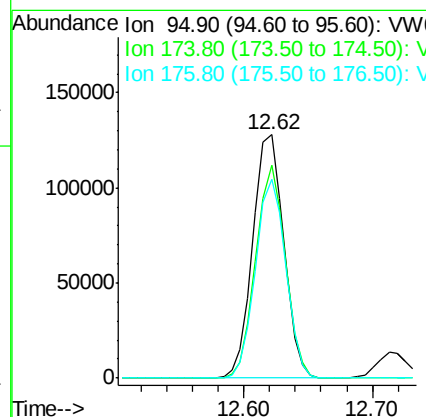
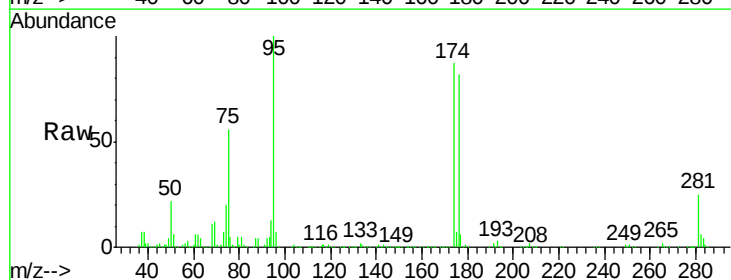
Manual Integrations
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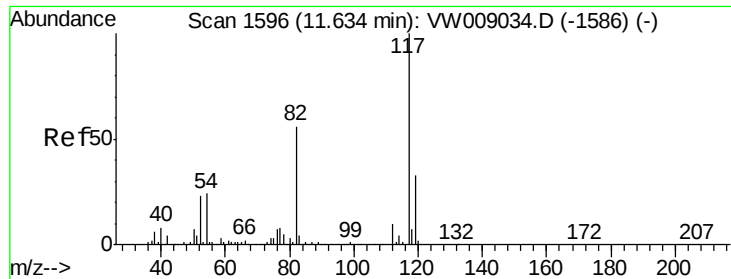
MMDadoda
 3/8/2019 12:07:15 PM



#62
 4-Bromofluorobenzene
 Concen: 51.526 ug/l
 RT: 12.62 min Scan# 1758
 Delta R.T. 0.00 min
 Lab File: VW009034.D
 Acq: 07 Mar 2019 12:12

Tgt Ion	Ratio	Lower	Upper
95	100		
174	83.5	0.0	167.0
176	79.7	0.0	159.4





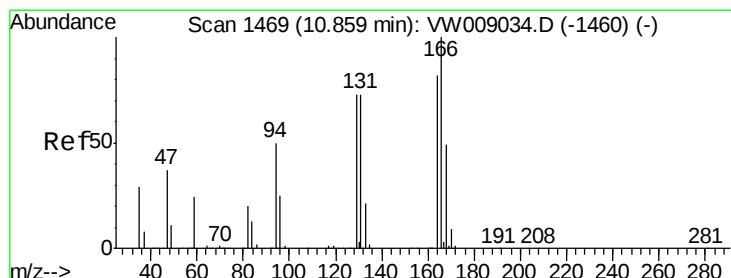
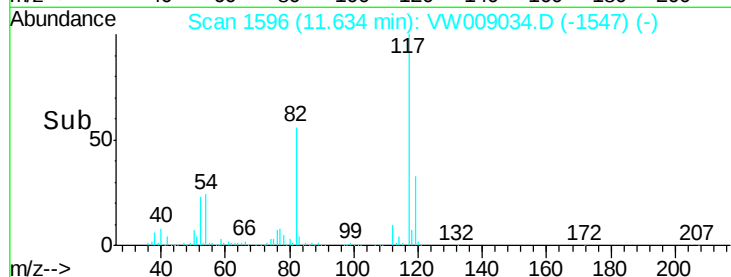
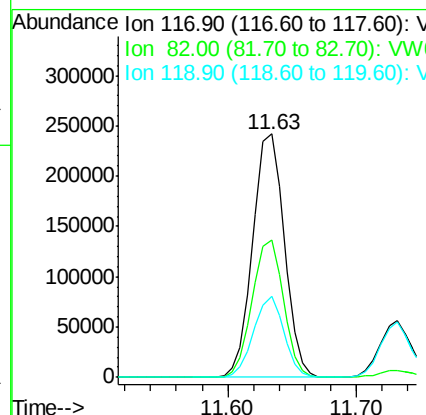
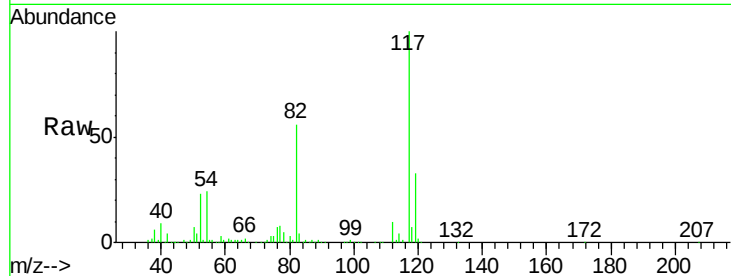
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1596
Delta R.T. 0.00 min
Lab File: VW009034.D
Acq: 07 Mar 2019 12:12

Instrument :
MSVOA_W
ClientSampleId :
VSTDICCC050

Tot Ion	Ratio	Lower	Upper
117	100		
82	56.3	45.0	67.6
119	33.2	26.6	39.8

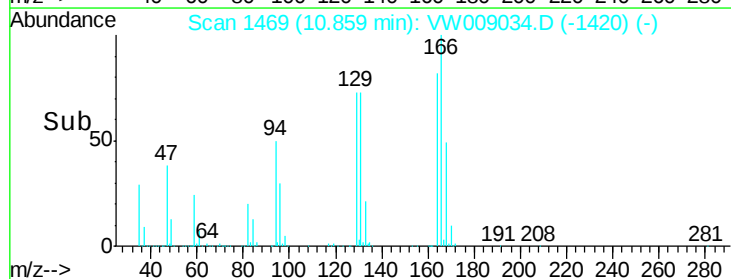
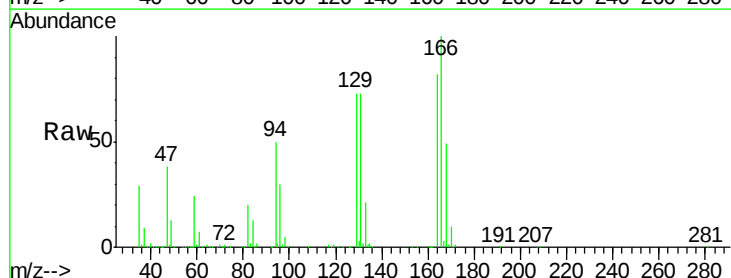
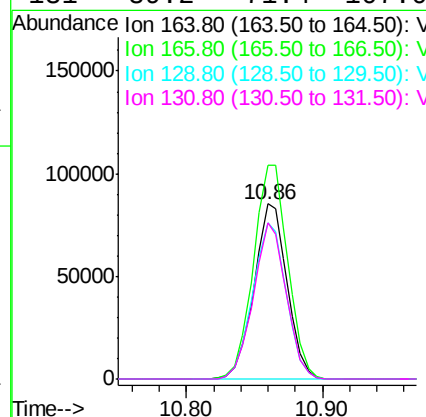
Manual Integrations
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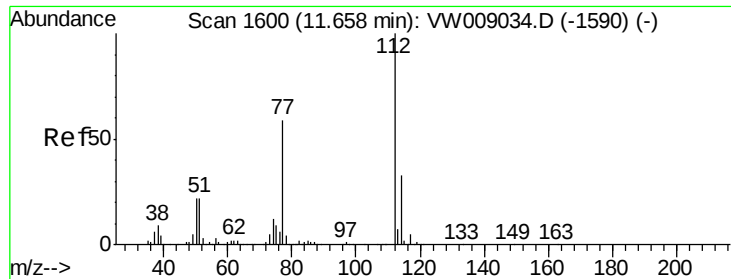
MMDadoda
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#64
Tetrachloroethene
Concen: 48.686 ug/l
RT: 10.86 min Scan# 1469
Delta R.T. 0.00 min
Lab File: VW009034.D
Acq: 07 Mar 2019 12:12

Tgt Ion	Ratio	Lower	Upper
164	100		
166	122.2	97.8	146.6
129	89.5	71.6	107.4
131	89.2	71.4	107.0





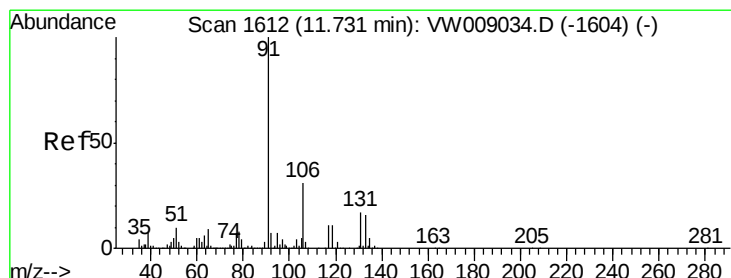
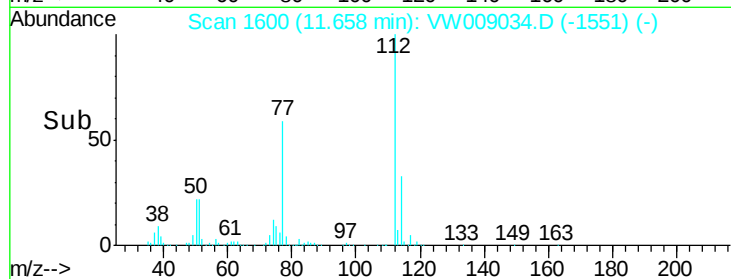
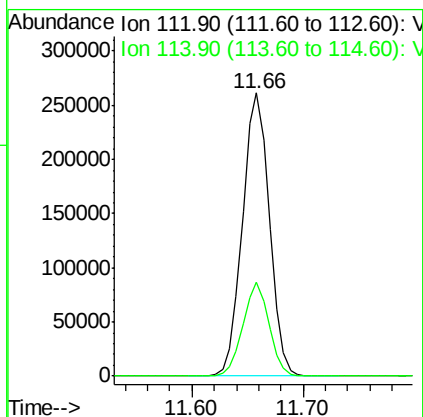
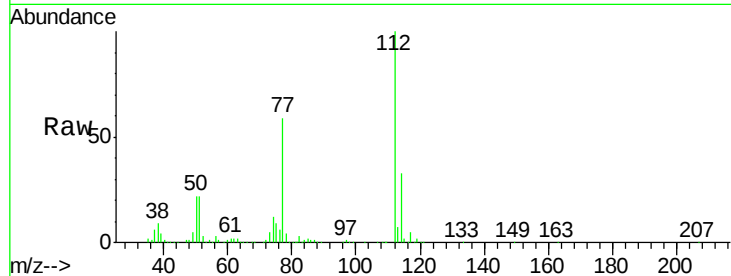
#65
Chlorobenzene
Concen: 49.670 ug/l
RT: 11.66 min Scan# 1600
Delta R.T. 0.00 min
Lab File: VW009034.D
Acq: 07 Mar 2019 12:12

Instrument :
MSVOA_W
ClientSampleId :
VSTDICCC050

Tot Ion	Ratio	Lower	Upper
112	100		
114	33.3	26.6	40.0

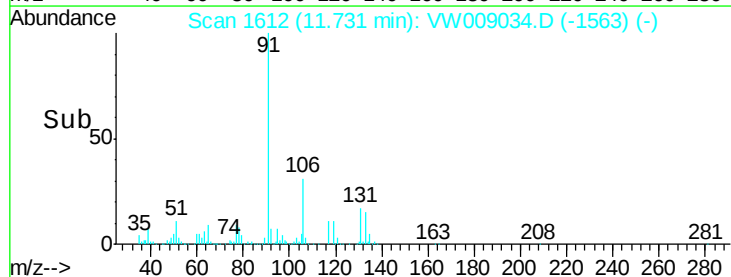
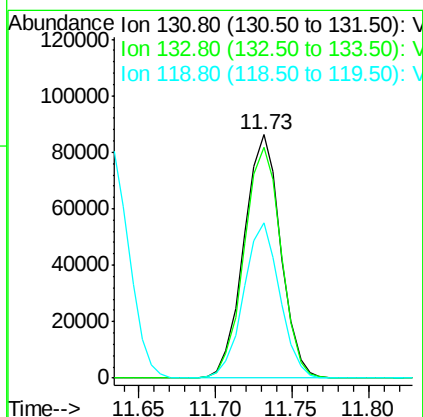
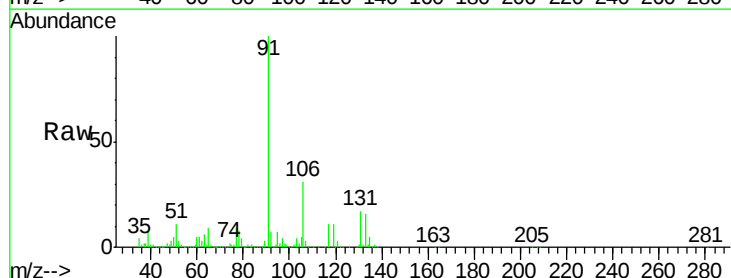
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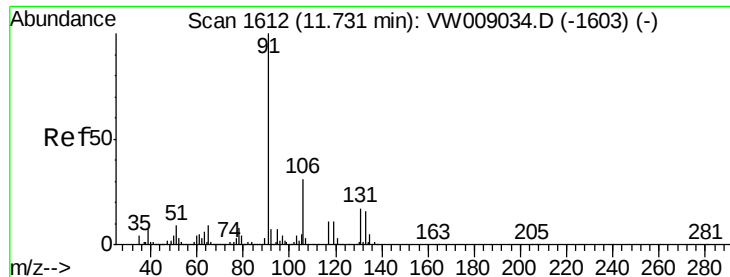
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#66
1,1,1,2-Tetrachloroethane
Concen: 49.008 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. 0.00 min
Lab File: VW009034.D
Acq: 07 Mar 2019 12:12

Tgt Ion	Ratio	Lower	Upper
131	100		
133	95.2	47.6	142.8
119	62.5	31.3	93.8





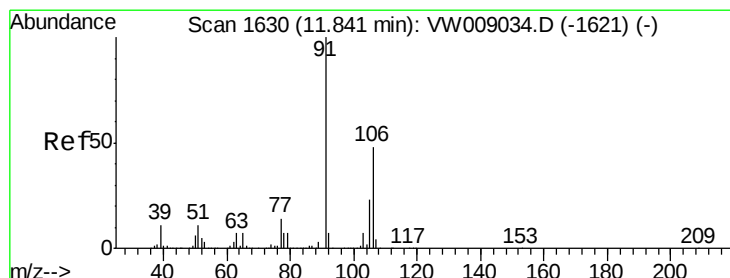
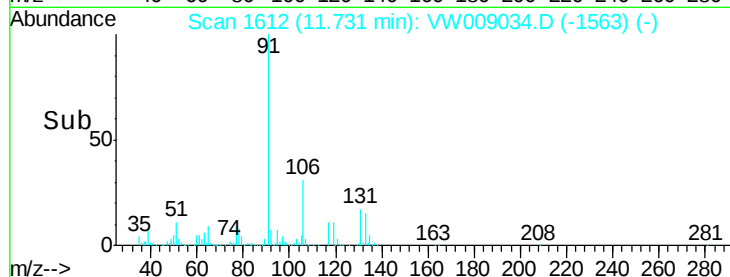
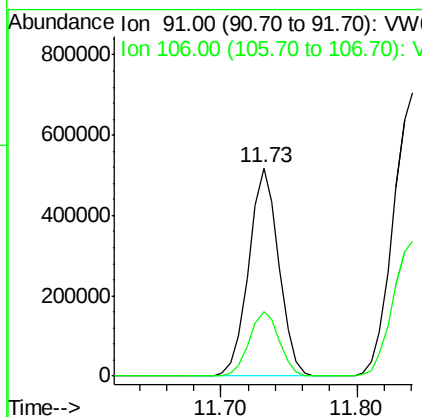
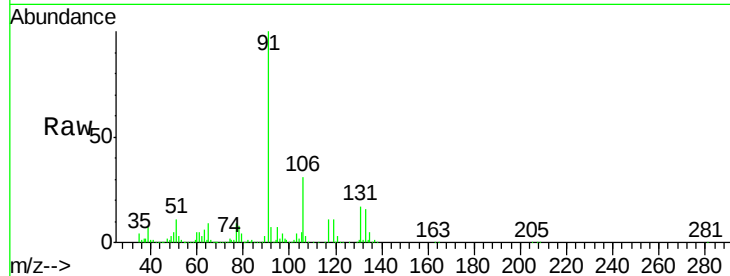
#67
Ethyl Benzene
Concen: 50.599 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. 0.00 min
Lab File: VW009034.D
Acq: 07 Mar 2019 12:12

Instrument :
MSVOA_W
ClientSampled :
VSTDICCC050

Tot Ion	Ion	Ratio	Lower	Upper
91	100			
106	31.2	25.0	37.4	

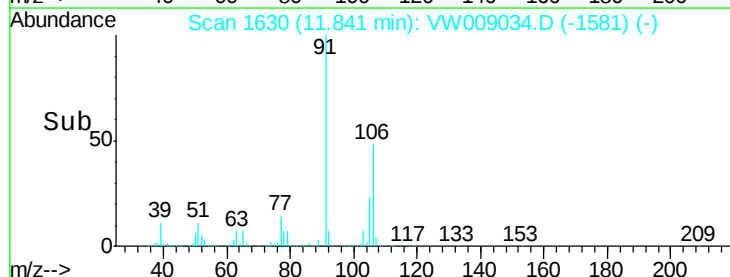
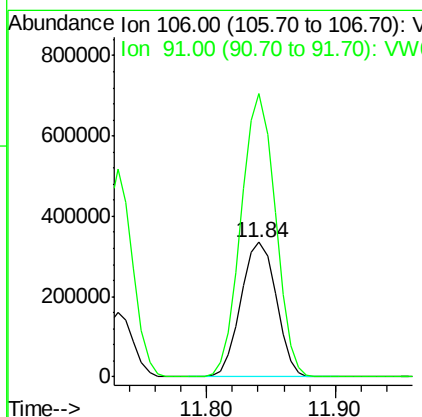
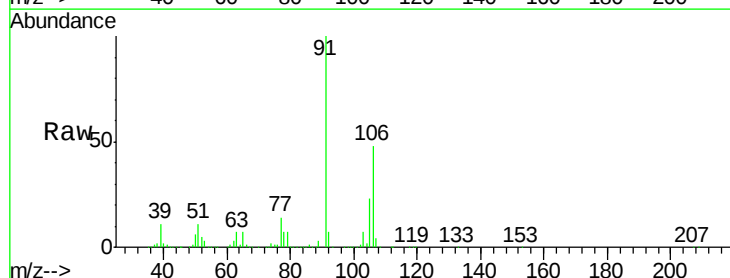
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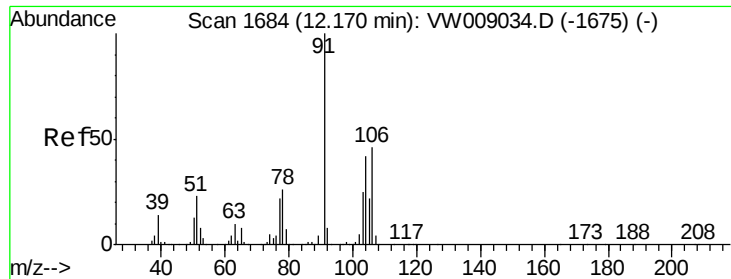
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#68
m/p-Xylenes
Concen: 101.761 ug/l
RT: 11.84 min Scan# 1630
Delta R.T. 0.00 min
Lab File: VW009034.D
Acq: 07 Mar 2019 12:12

Tgt Ion	Ion	Ratio	Lower	Upper
106	100			
91	204.0	163.2	244.8	





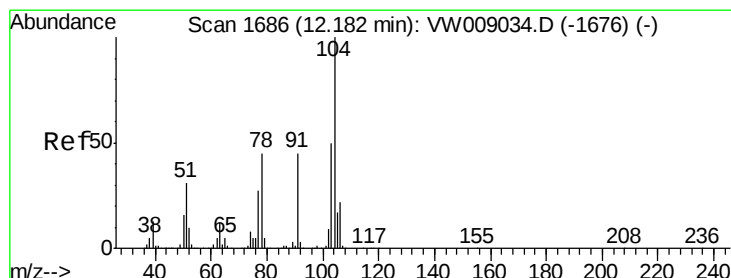
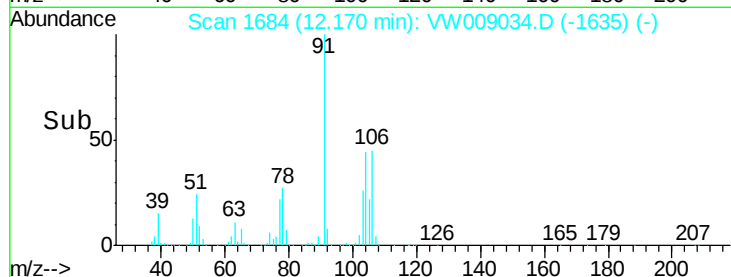
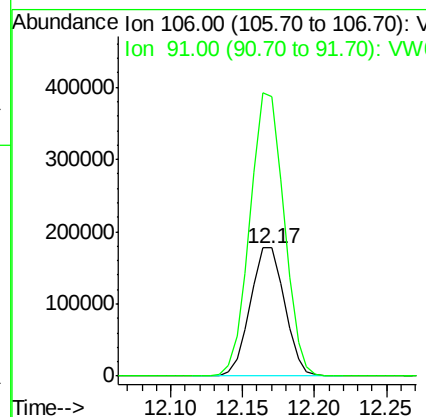
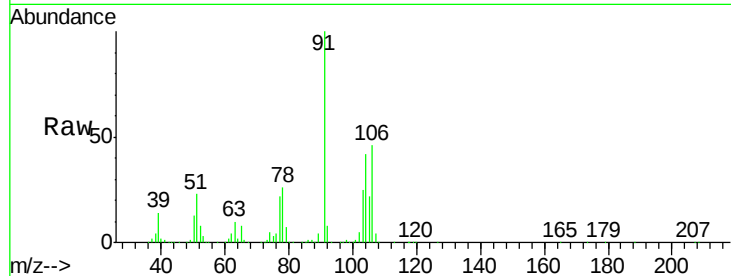
#69
o-Xylene
Concen: 50.556 ug/l
RT: 12.17 min Scan# 1684
Delta R.T. 0.00 min
Lab File: VW009034.D
Acq: 07 Mar 2019 12:12

Instrument :
MSVOA_W
ClientSampled :
VSTDICCC050

Tot Ion	Ratio	Lower	Upper
106	100		
91	217.1	108.6	325.6

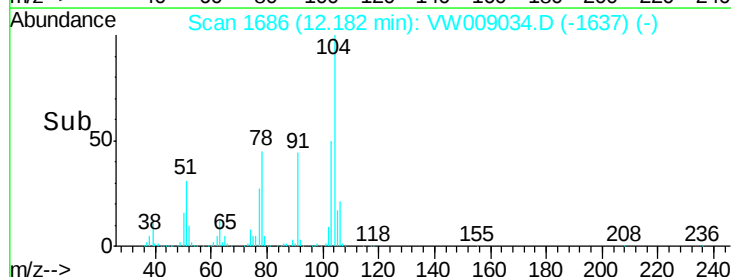
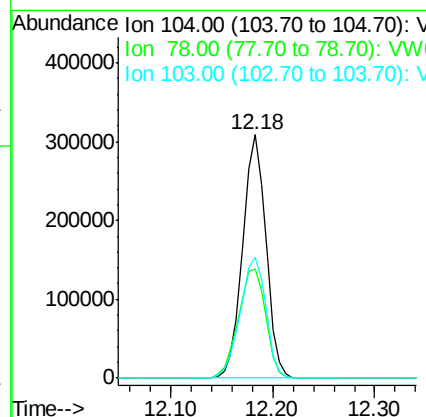
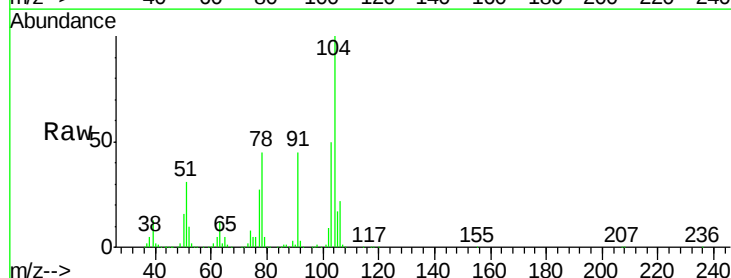
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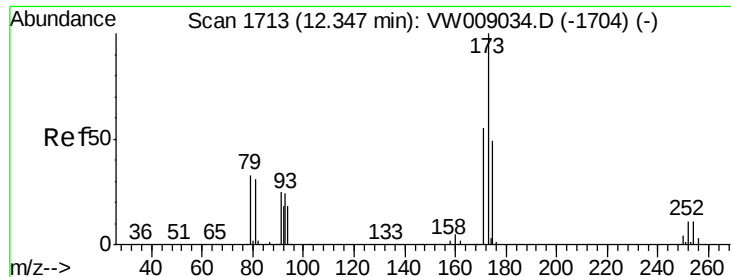
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#70
Styrene
Concen: 51.197 ug/l
RT: 12.18 min Scan# 1686
Delta R.T. 0.00 min
Lab File: VW009034.D
Acq: 07 Mar 2019 12:12

Tgt Ion	Ratio	Lower	Upper
104	100		
78	52.6	42.1	63.1
103	54.9	43.9	65.9





#71

Bromoform

Concen: 48.413 ug/l

RT: 12.35 min Scan# 1713

Delta R.T. 0.00 min

Lab File: VW009034.D

Acq: 07 Mar 2019 12:12

Instrument :

MSVOA_W

ClientSampleId :

VSTDICCC050

Tot Ion:173 Resp: 77288

Ion Ratio Lower Upper

173 100

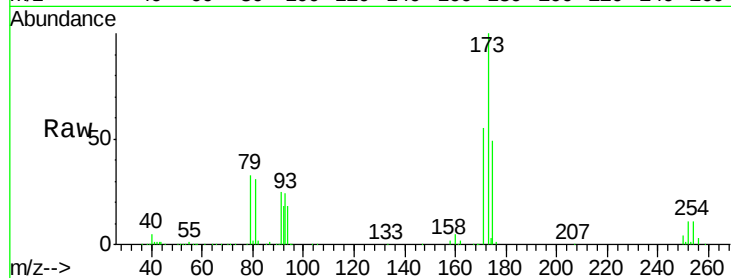
175 49.3 24.6 74.0

254 0.0 0.0 0.0#

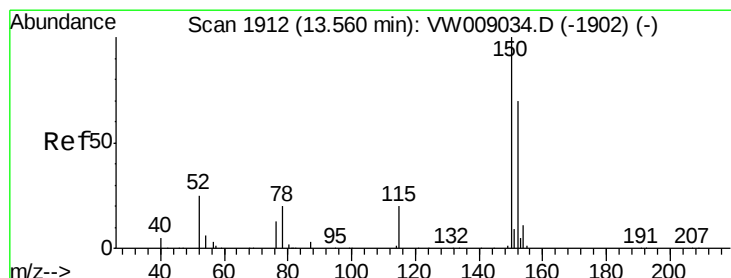
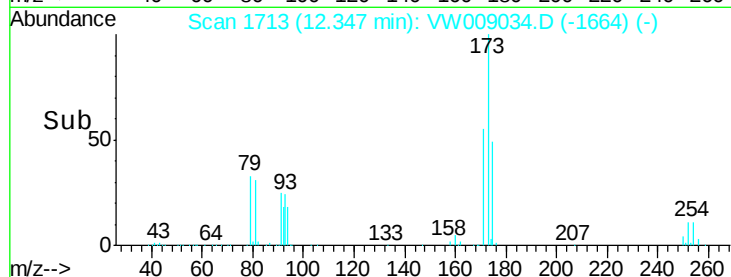
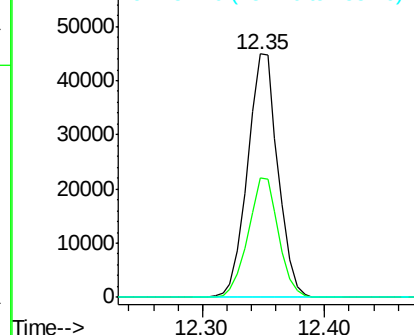
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Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.56 min Scan# 1912

Delta R.T. 0.00 min

Lab File: VW009034.D

Acq: 07 Mar 2019 12:12

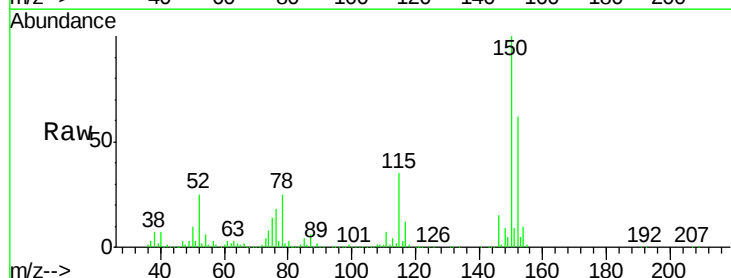
Tgt Ion:152 Resp: 231265

Ion Ratio Lower Upper

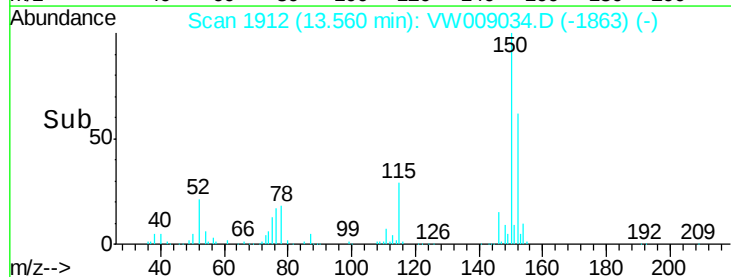
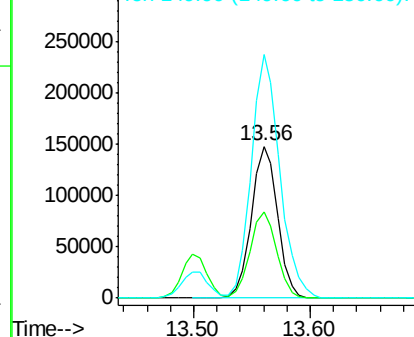
152 100

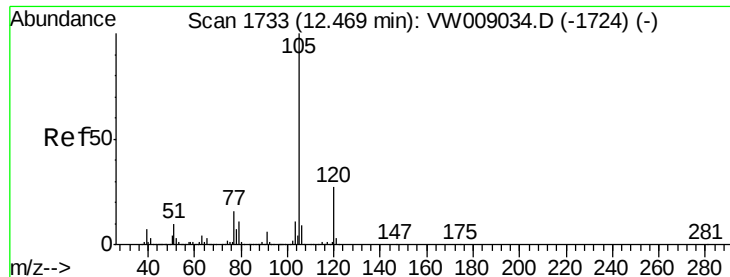
115 57.8 28.9 86.7

150 174.6 0.0 349.2



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: 50.042 ug/l

RT: 12.47 min Scan# 1733

Delta R.T. 0.00 min

Lab File: VW009034.D

Acq: 07 Mar 2019 12:12

Instrument :

MSVOA_W

ClientSampled :

VSTDICCC050

Tot Ion: 105 Resp: 822394

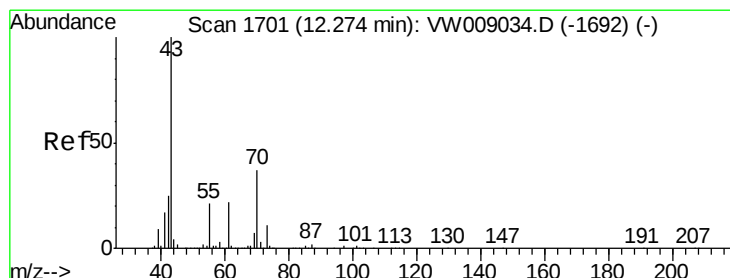
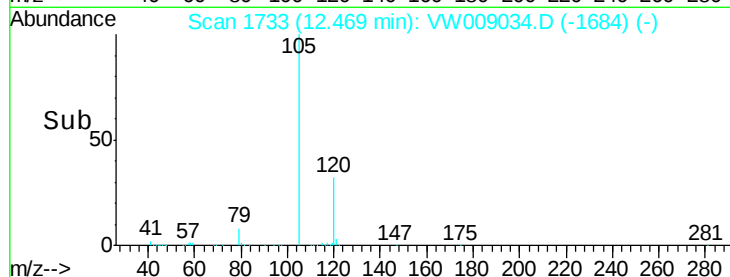
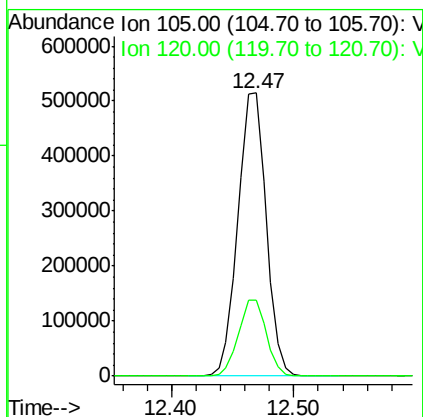
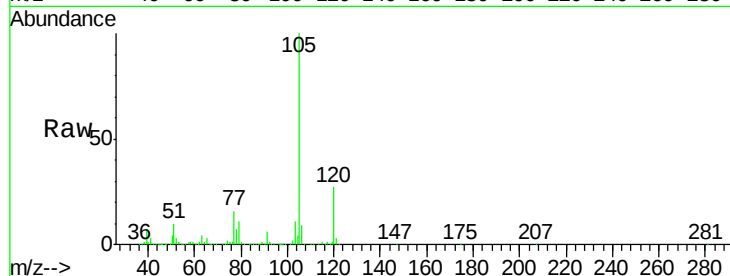
Ion Ratio Lower Upper

105 100

120 26.4 13.2 39.6

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#74

N-ethyl acetate

Concen: 50.885 ug/l

RT: 12.27 min Scan# 1701

Delta R.T. 0.00 min

Lab File: VW009034.D

Acq: 07 Mar 2019 12:12

Tgt Ion: 43 Resp: 199897

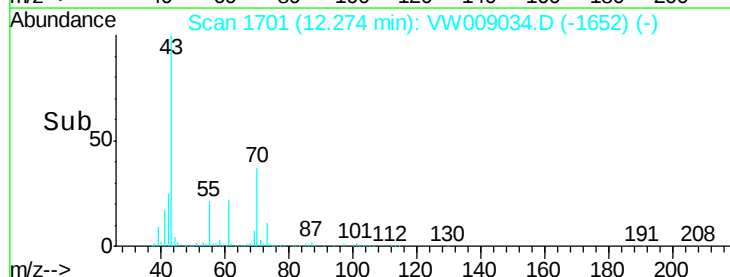
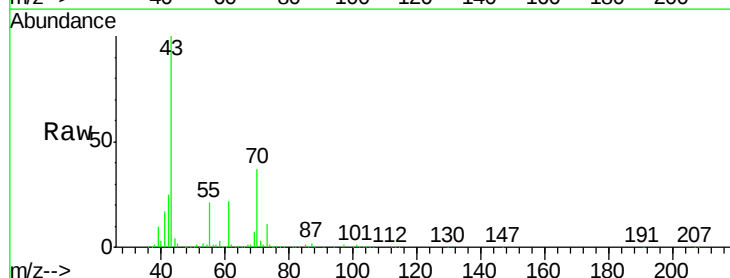
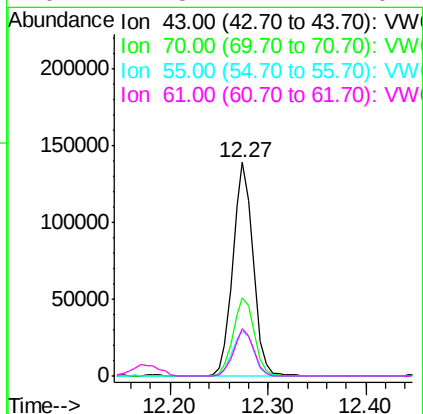
Ion Ratio Lower Upper

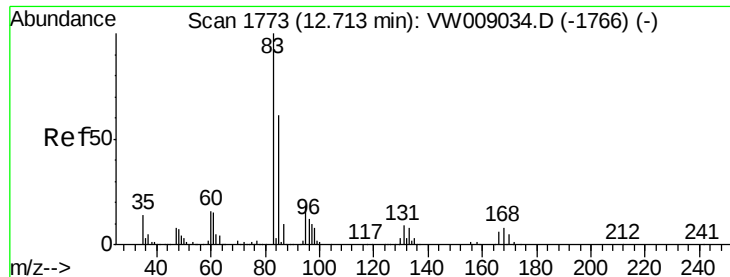
43 100

70 38.5 30.8 46.2

55 22.3 17.8 26.8

61 21.8 17.4 26.2





#75

1,1,2,2-Tetrachloroethane

Concen: 47.169 ug/l

RT: 12.71 min Scan# 1773

Delta R.T. 0.00 min

Lab File: VW009034.D

Acq: 07 Mar 2019 12:12

Instrument :

MSVOA_W

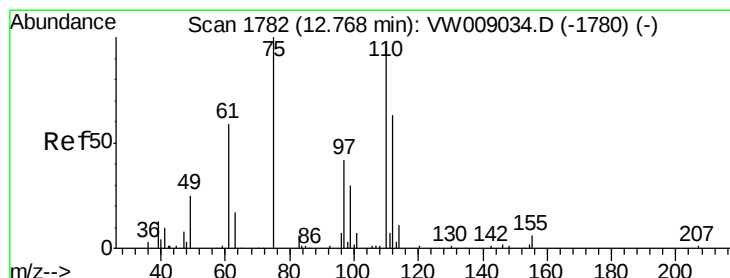
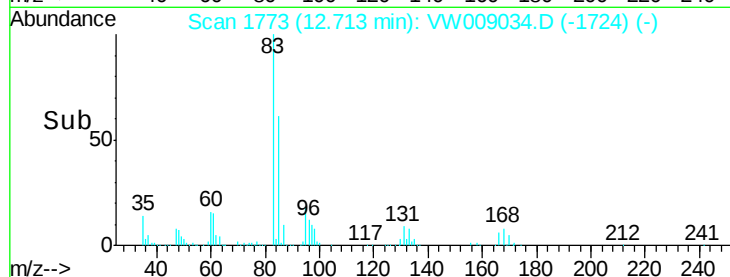
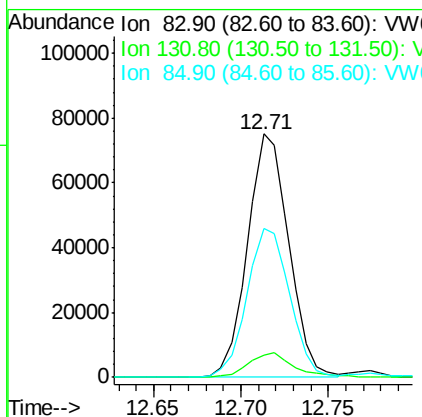
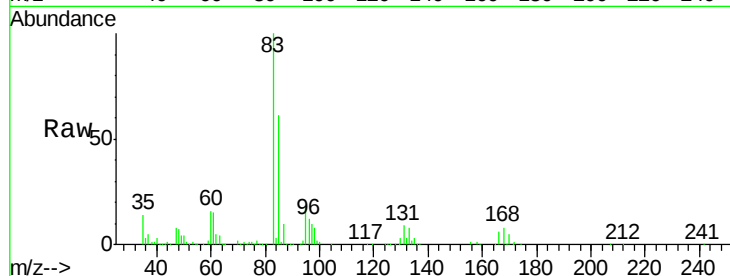
ClientSampled :

VSTDICCC050

Tot Ion:	83	Resp:	123301
Ion Ratio	Lower	Upper	
83	100		
131	11.1	5.5	16.7
85	63.4	31.7	95.1

Manual Integrations
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#76

1,2,3-Trichloropropane

Concen: 35.407 ug/l m

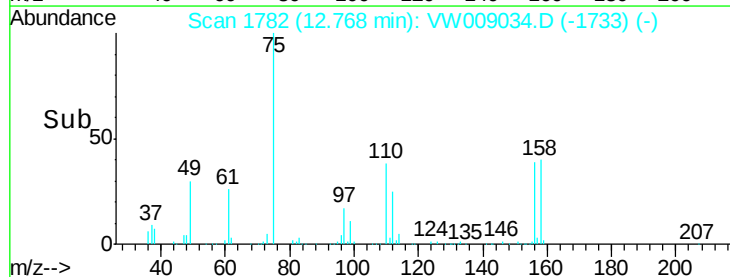
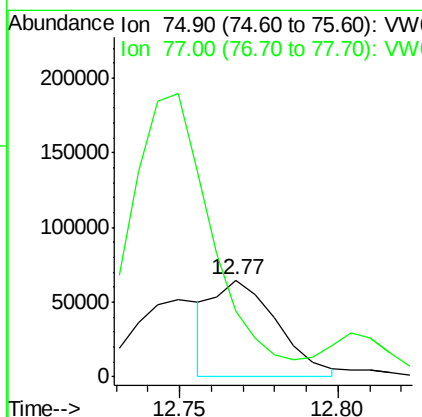
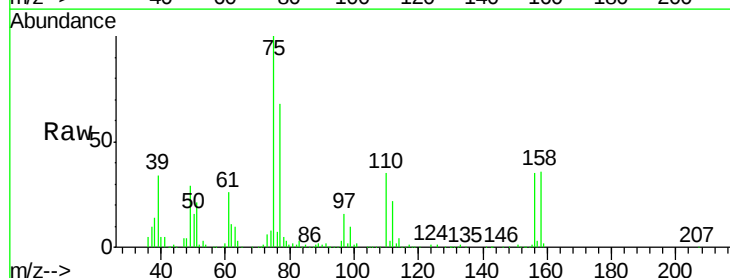
RT: 12.77 min Scan# 1782

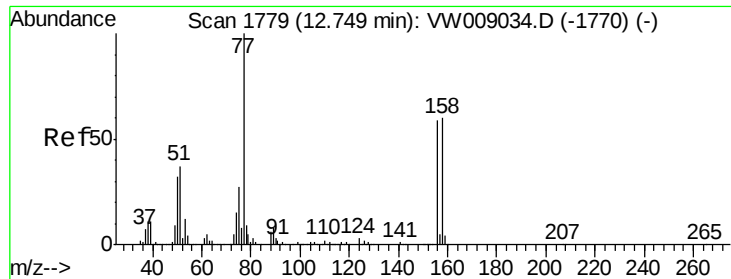
Delta R.T. 0.00 min

Lab File: VW009034.D

Acq: 07 Mar 2019 12:12

Tgt Ion:	75	Resp:	91178
Ion Ratio	Lower	Upper	
75	100		
77	373.3	186.7	560.0





#77

Bromobenzene

Concen: 48.669 ug/l

RT: 12.75 min Scan# 1779

Delta R.T. 0.00 min

Lab File: VW009034.D

Acq: 07 Mar 2019 12:12

Instrument :

MSVOA_W

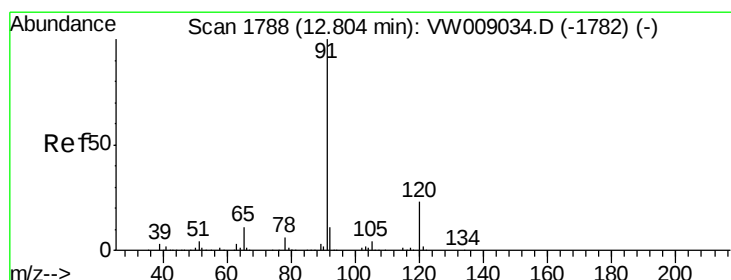
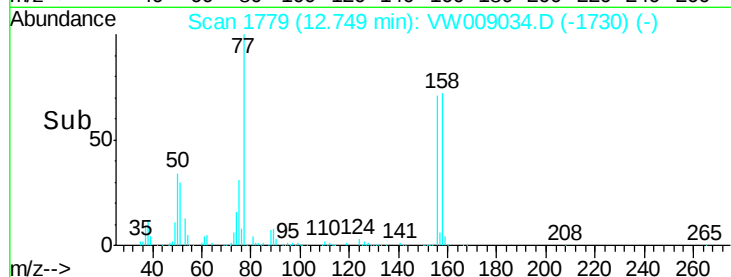
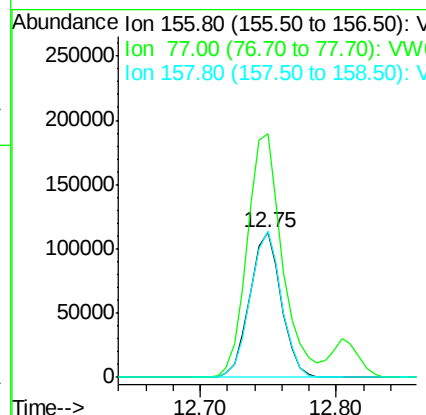
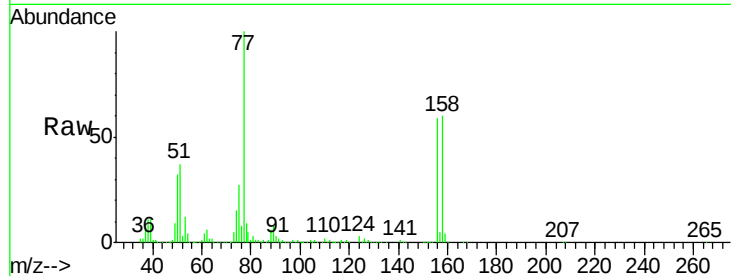
ClientSampled :

VSTDICCC050

Tot Ion:	156	Resp:	182890
Ion Ratio	Lower	Upper	
156	100		
77	186.1	93.0	279.2
158	99.9	50.0	149.8

Manual Integrations
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#78

n-propylbenzene

Concen: 50.416 ug/l

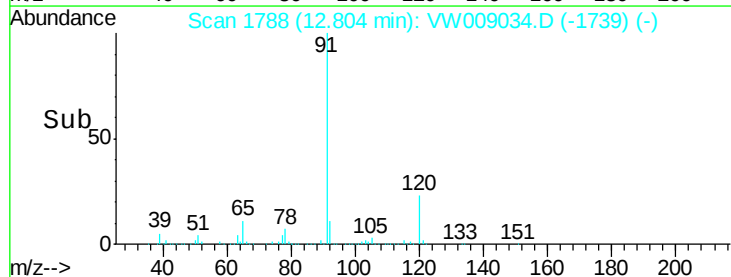
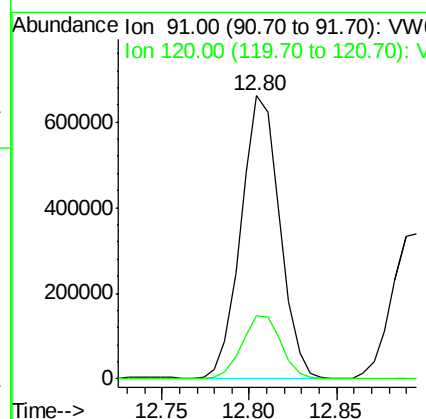
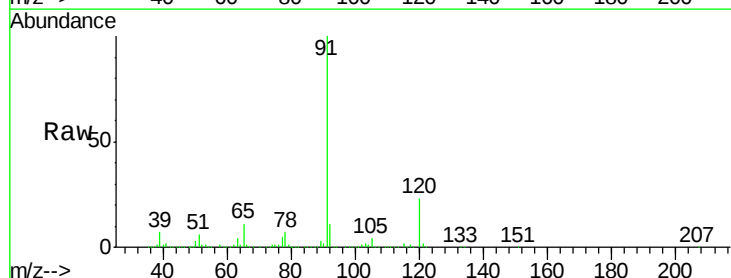
RT: 12.80 min Scan# 1788

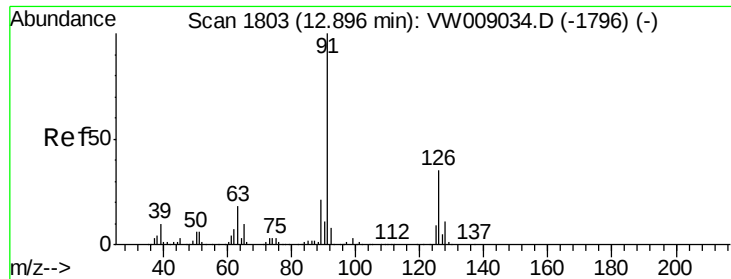
Delta R.T. 0.00 min

Lab File: VW009034.D

Acq: 07 Mar 2019 12:12

Tgt Ion:	91	Resp:	1017114
Ion Ratio	Lower	Upper	
91	100		
120	22.8	11.4	34.2





#79

2-Chlorotoluene

Concen: 49.929 ug/l

RT: 12.90 min Scan# 1803

Delta R.T. 0.00 min

Lab File: VW009034.D

Acq: 07 Mar 2019 12:12

Instrument :

MSVOA_W

ClientSampleId :

VSTDICCC050

Tot Ion: 91 Resp: 566016

Ion Ratio Lower Upper

91 100

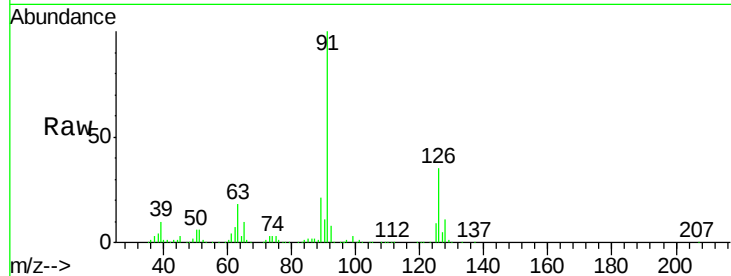
126 33.6 16.8 50.4

Manual Integrations

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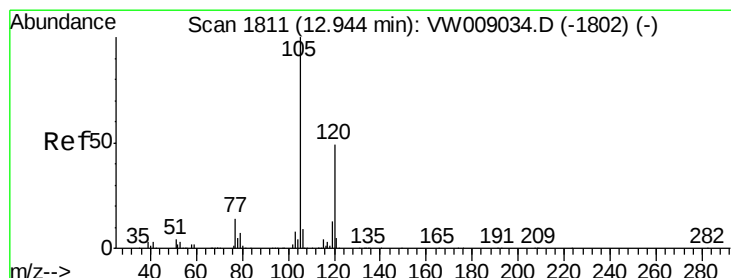
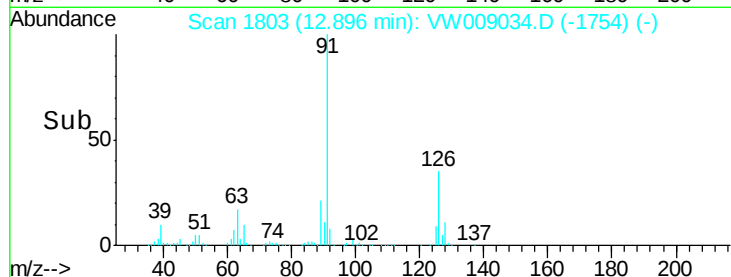
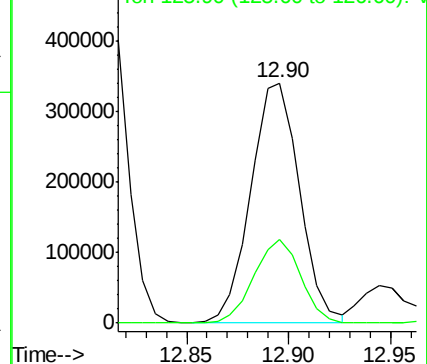
MMDadoda

3/8/2019 12:07:15 PM



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 125.90 (125.60 to 126.60): V



#80

1,3,5-Trimethylbenzene

Concen: 50.369 ug/l

RT: 12.94 min Scan# 1811

Delta R.T. 0.00 min

Lab File: VW009034.D

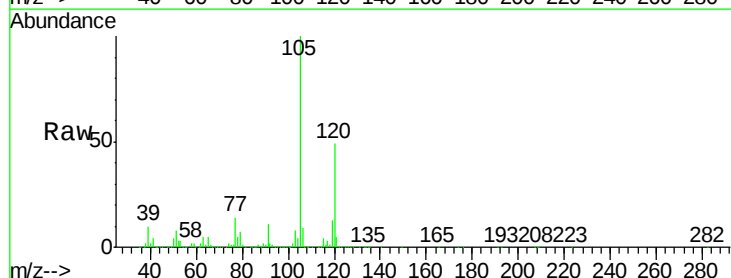
Acq: 07 Mar 2019 12:12

Tgt Ion:105 Resp: 713414

Ion Ratio Lower Upper

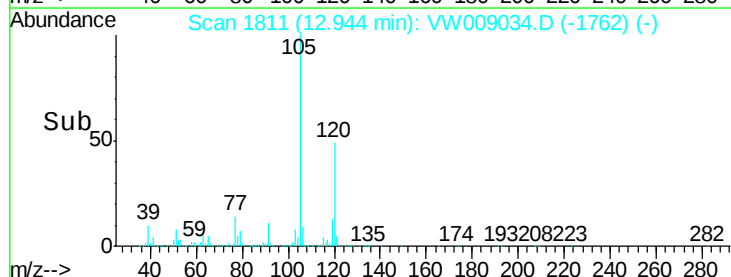
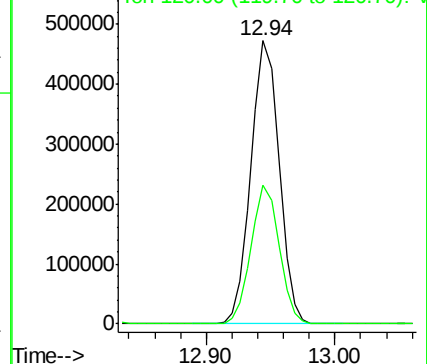
105 100

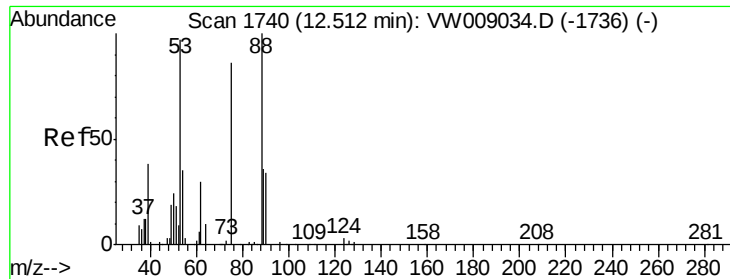
120 48.8 24.4 73.2



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





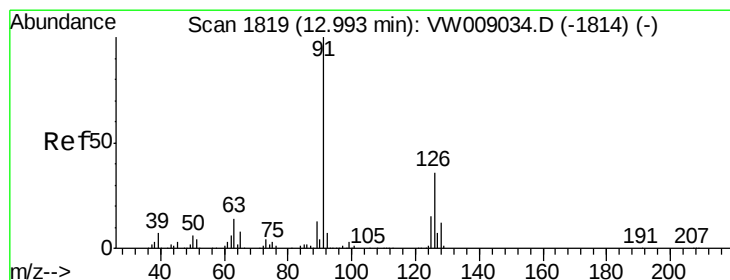
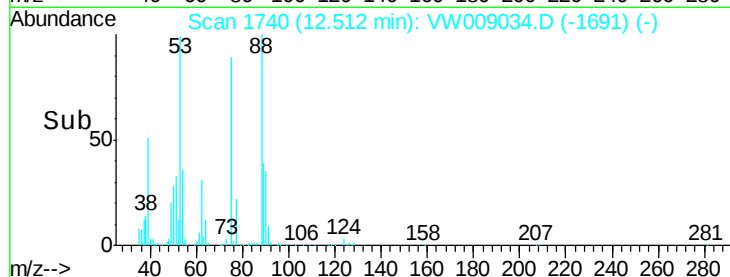
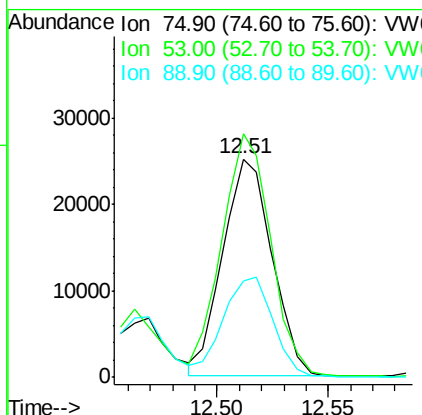
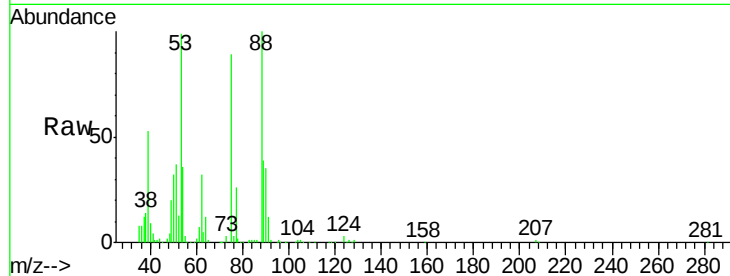
#81
trans-1,4-Dichloro-2-butene
Concen: 47.812 ug/l
RT: 12.51 min Scan# 1740
Delta R.T. 0.00 min
Lab File: VW009034.D
Acq: 07 Mar 2019 12:12

Instrument :
MSVOA_W
ClientSampleId :
VSTDICCC050

Tot Ion	Ratio	Lower	Upper
75	100		
53	113.1	90.5	135.7
89	46.9	37.5	56.3

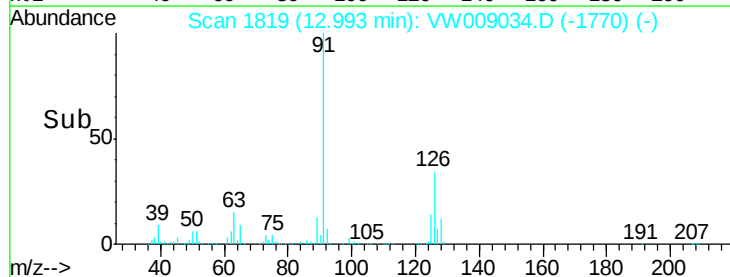
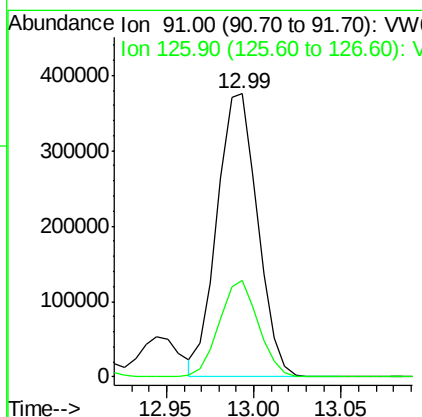
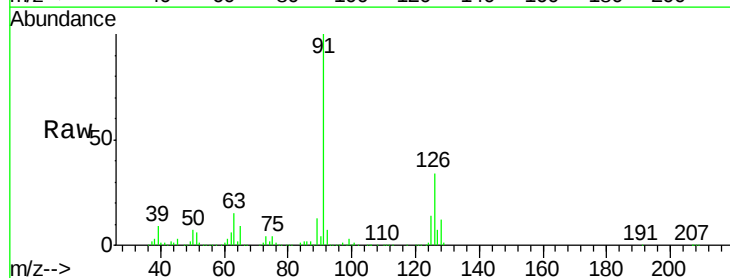
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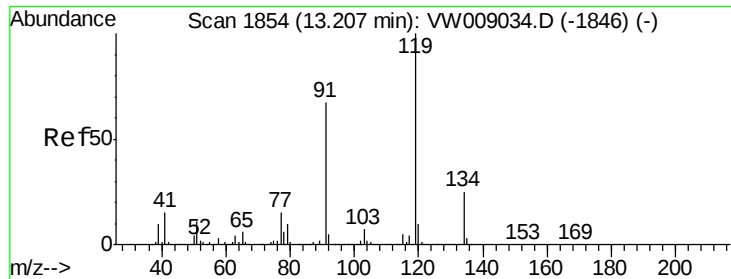
MMDadoda
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#82
4-Chlorotoluene
Concen: 50.000 ug/l
RT: 12.99 min Scan# 1819
Delta R.T. 0.00 min
Lab File: VW009034.D
Acq: 07 Mar 2019 12:12

Tgt Ion	Ratio	Lower	Upper
91	100		
126	33.2	16.6	49.8





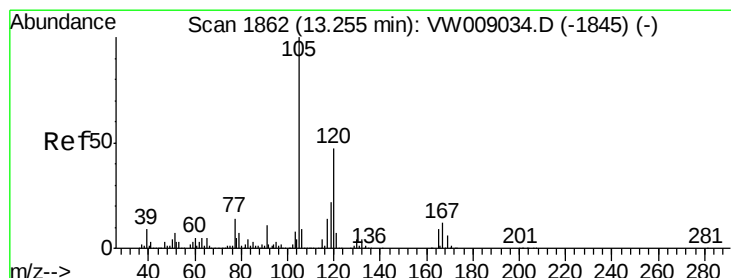
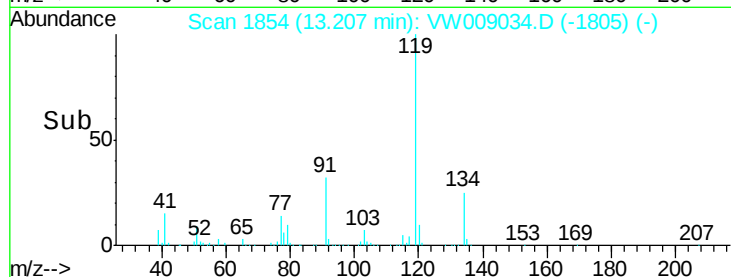
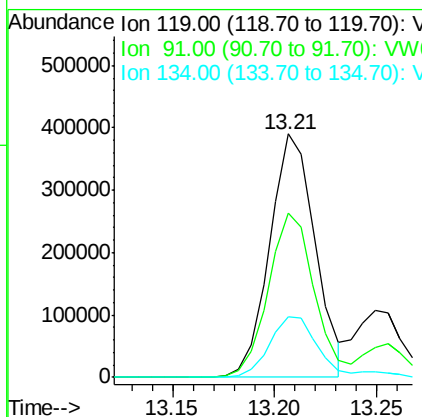
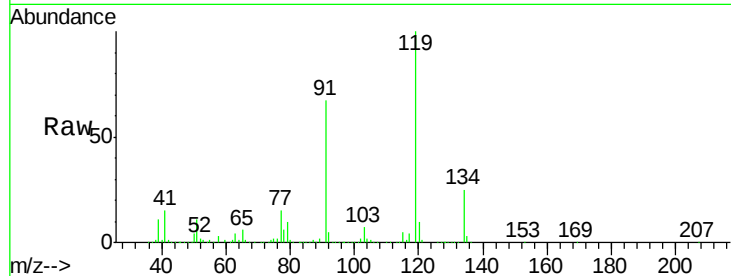
#83
tert-Butylbenzene
Concen: 50.990 ug/l
RT: 13.21 min Scan# 1854
Delta R.T. 0.00 min
Lab File: VW009034.D
Acq: 07 Mar 2019 12:12

Instrument :
MSVOA_W
ClientSampled :
VSTDICCC050

Tot Ion	Ratio	Lower	Upper
119	100		
91	68.3	34.2	102.5
134	27.7	13.9	41.6

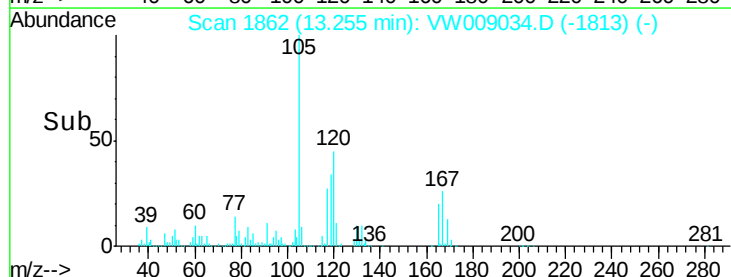
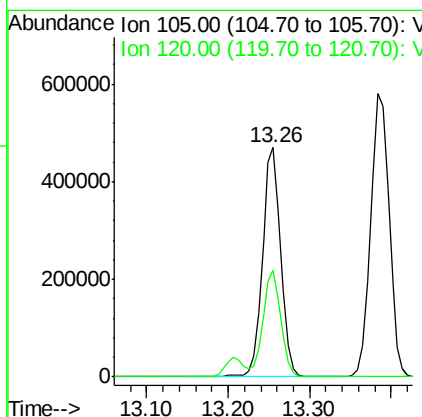
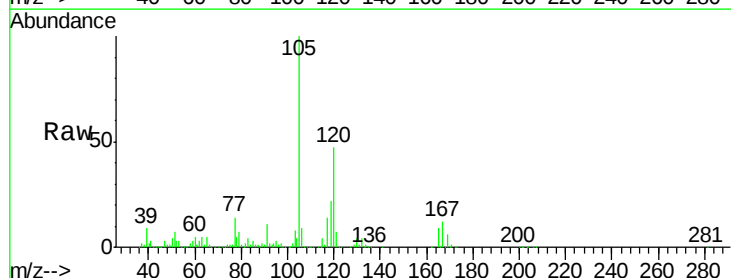
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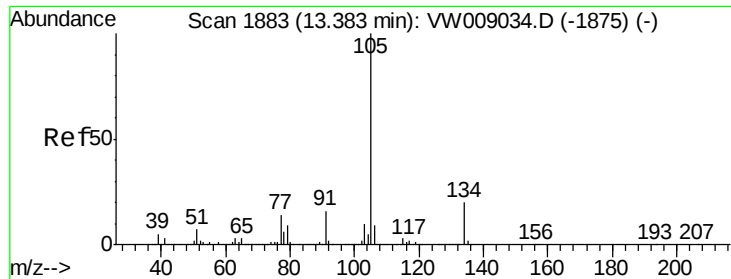
MMDadoda
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#84
1,2,4-Trimethylbenzene
Concen: 51.132 ug/l
RT: 13.26 min Scan# 1862
Delta R.T. 0.00 min
Lab File: VW009034.D
Acq: 07 Mar 2019 12:12

Tgt Ion	Ratio	Lower	Upper
105	100		
120	45.6	22.8	68.4





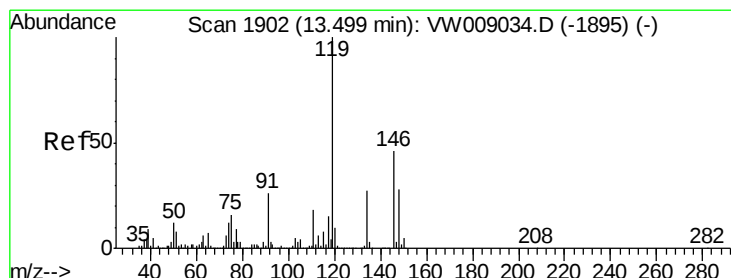
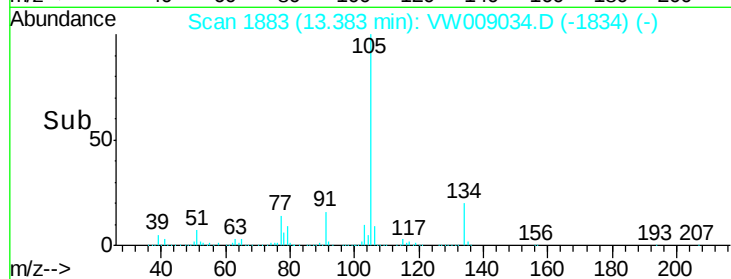
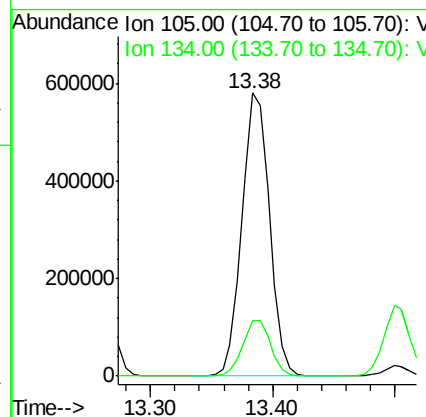
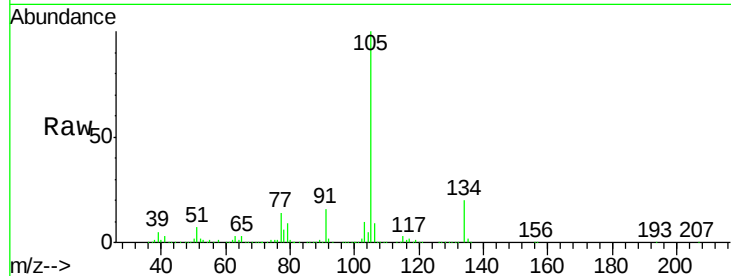
#85
 sec-Butylbenzene
 Concen: 51.118 ug/l
 RT: 13.38 min Scan# 1883
 Delta R.T. 0.00 min
 Lab File: VW009034.D
 Acq: 07 Mar 2019 12:12

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDICCC050

Tot Ion	Ratio	Lower	Upper
105	100		
134	20.0	10.0	30.0

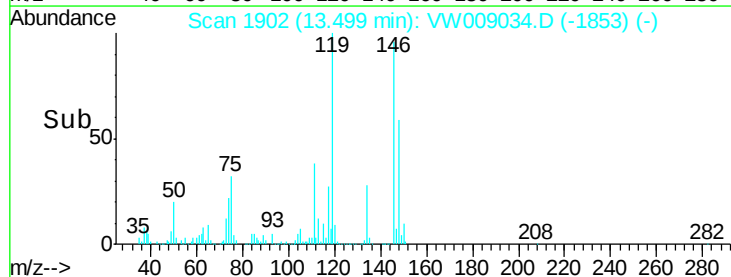
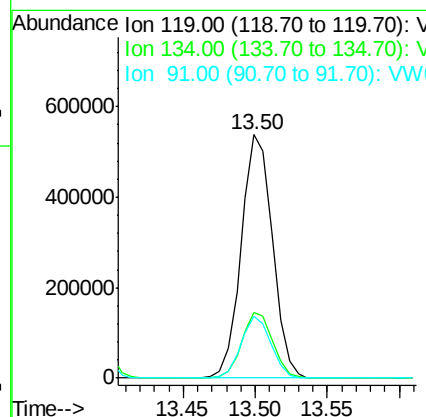
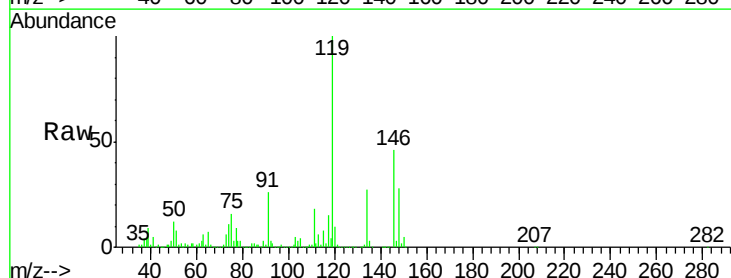
Manual Integrations
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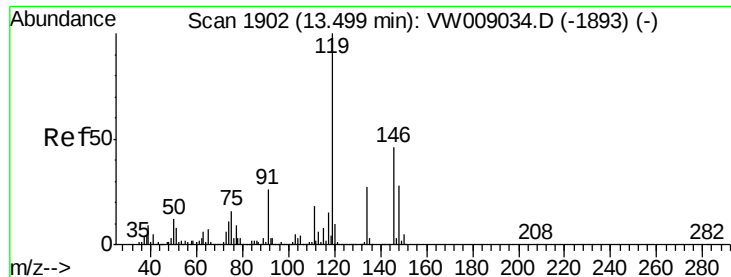
MMDadoda
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#86
 p-Isopropyltoluene
 Concen: 51.133 ug/l
 RT: 13.50 min Scan# 1902
 Delta R.T. 0.00 min
 Lab File: VW009034.D
 Acq: 07 Mar 2019 12:12

Tgt Ion	Ratio	Lower	Upper
119	100		
134	26.6	13.3	39.9
91	24.6	12.3	36.9





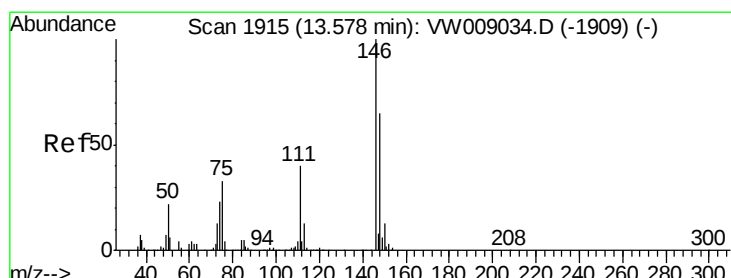
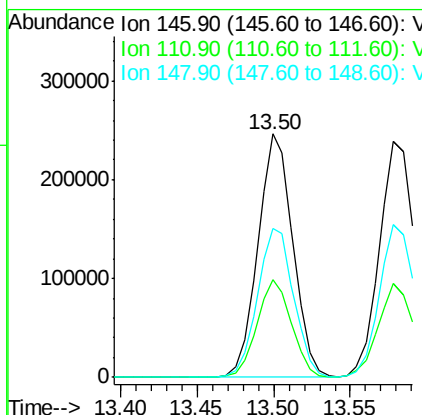
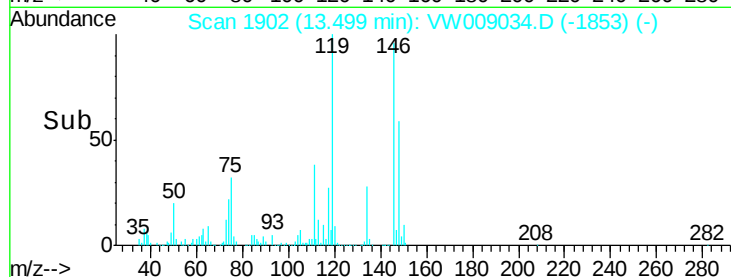
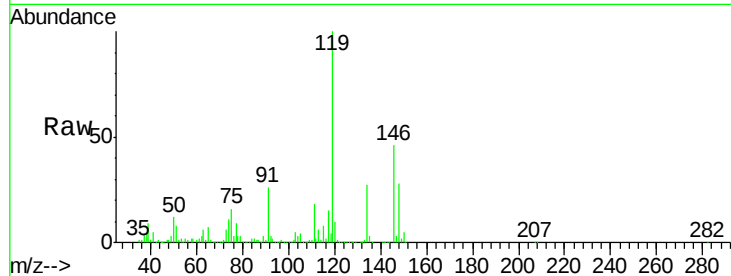
#87
 1,3-Dichlorobenzene
 Concen: 49.675 ug/l
 RT: 13.50 min Scan# 1902
 Delta R.T. 0.00 min
 Lab File: VW009034.D
 Acq: 07 Mar 2019 12:12

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDICCC050

Tot Ion	Ratio	Resp	Lower	Upper
146	100	391411		
111	39.6	19.8	59.4	
148	63.2	31.6	94.8	

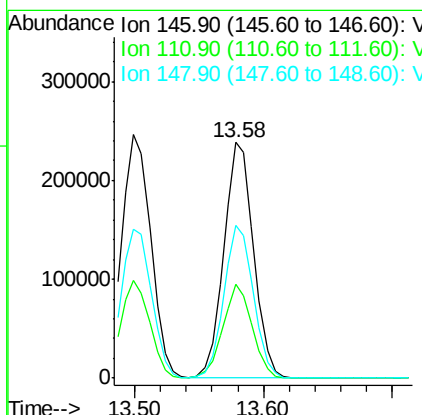
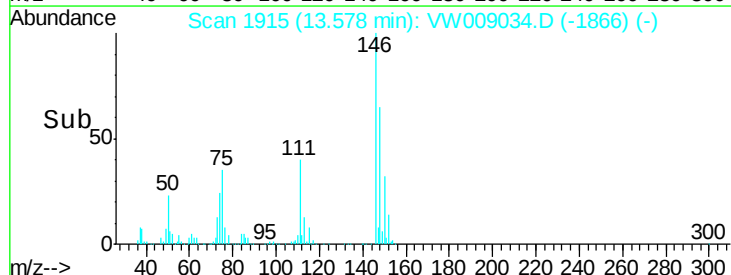
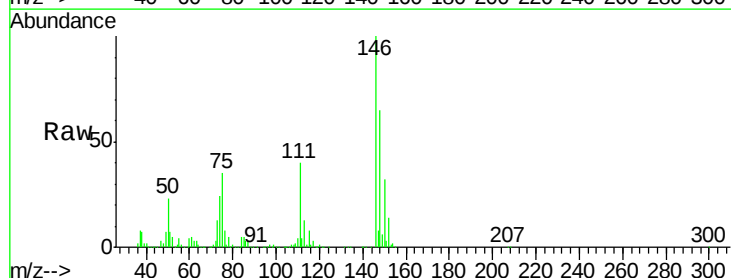
Manual Integrations
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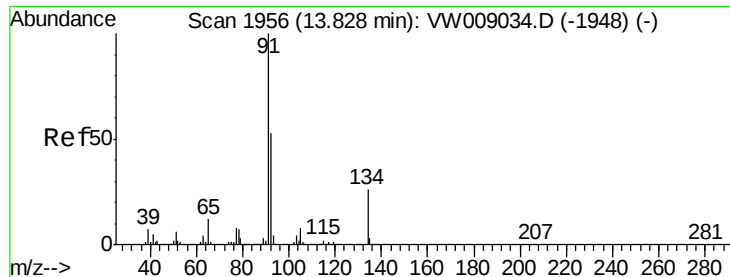
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#88
 1,4-Dichlorobenzene
 Concen: 49.460 ug/l
 RT: 13.58 min Scan# 1915
 Delta R.T. 0.00 min
 Lab File: VW009034.D
 Acq: 07 Mar 2019 12:12

Tgt Ion	Ratio	Resp	Lower	Upper
146	100	384992		
111	39.3	19.7	59.0	
148	64.4	32.2	96.6	





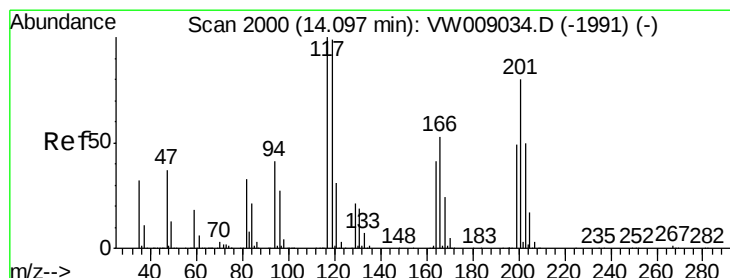
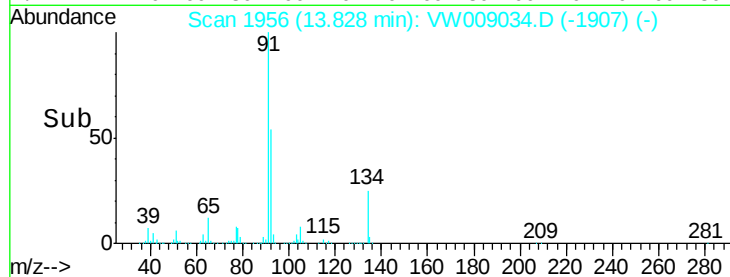
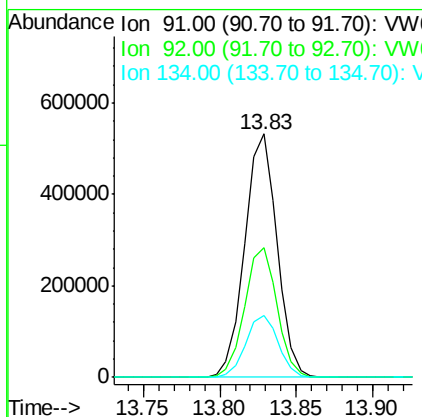
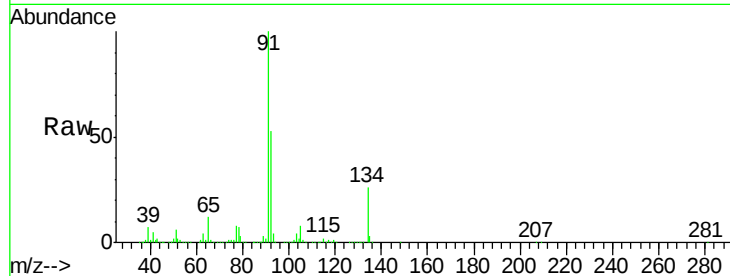
#89
n-Butylbenzene
Concen: 51.875 ug/l
RT: 13.83 min Scan# 1956
Delta R.T. 0.00 min
Lab File: VW009034.D
Acq: 07 Mar 2019 12:12

Instrument :
MSVOA_W
ClientSampleId :
VSTDICCC050

Tot Ion	Ratio	Lower	Upper
91	100		
92	53.5	26.8	80.3
134	25.8	12.9	38.7

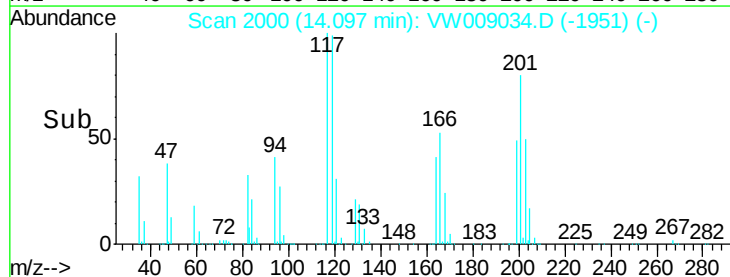
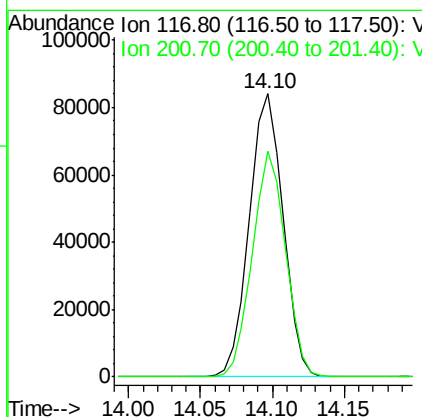
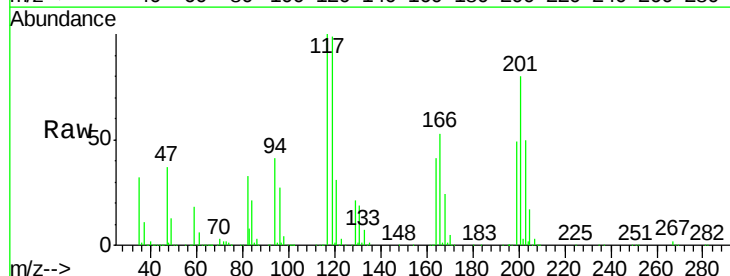
Manual Integrations
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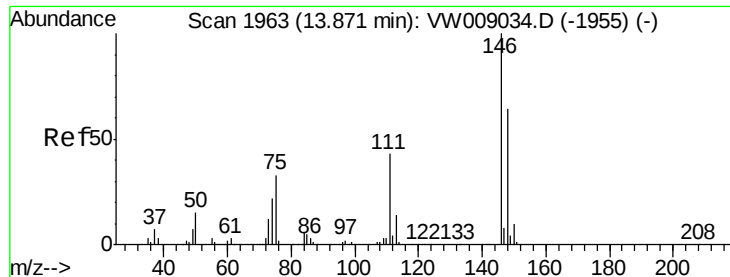
MMDadoda
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#90
Hexachloroethane
Concen: 50.126 ug/l
RT: 14.10 min Scan# 2000
Delta R.T. 0.00 min
Lab File: VW009034.D
Acq: 07 Mar 2019 12:12

Tgt Ion	Ratio	Lower	Upper
117	100		
201	78.3	39.1	117.5





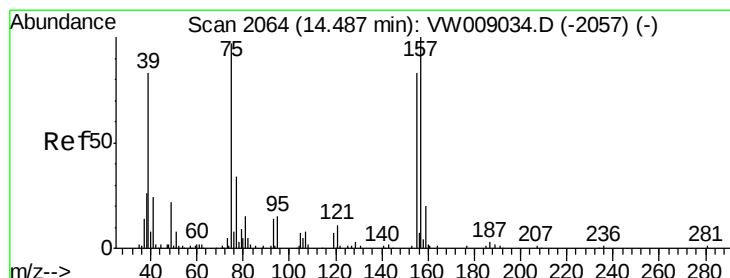
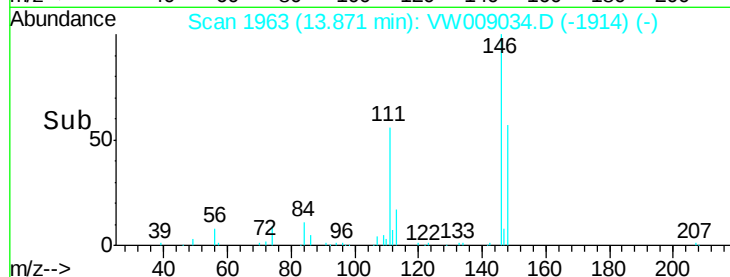
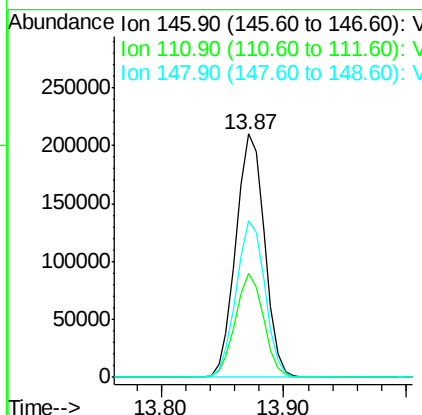
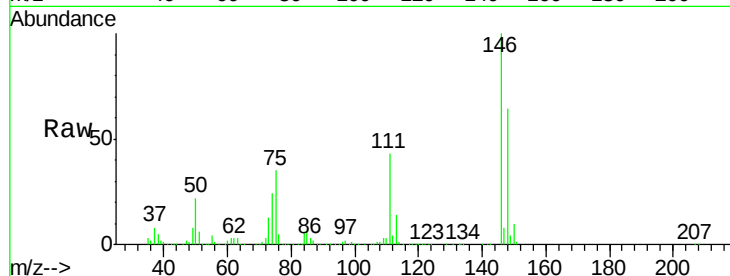
#91
 1,2-Dichlorobenzene
 Concen: 49.281 ug/l
 RT: 13.87 min Scan# 1963
 Delta R.T. 0.00 min
 Lab File: VW009034.D
 Acq: 07 Mar 2019 12:12

Instrument :
 MSVOA_W
 ClientSampled :
 VSTDICCC050

Tot Ion	Ratio	Lower	Upper
146	100		
111	42.1	21.1	63.1
148	64.6	32.3	96.9

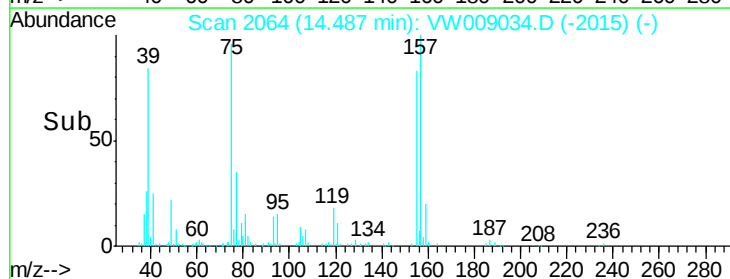
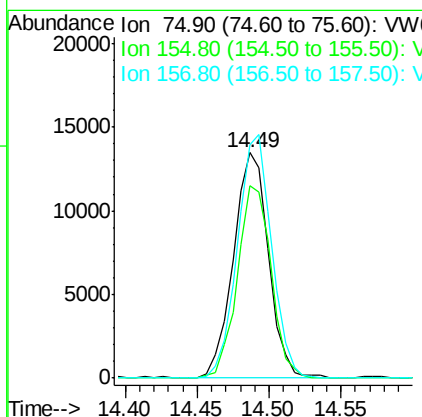
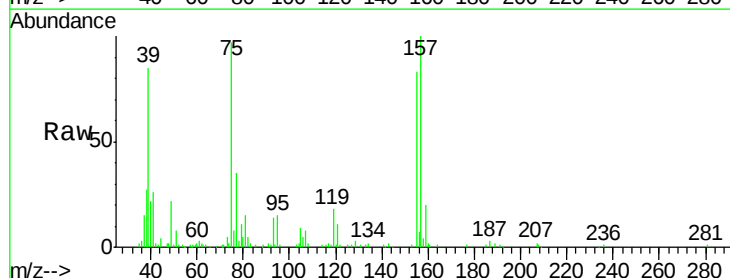
Manual Integrations
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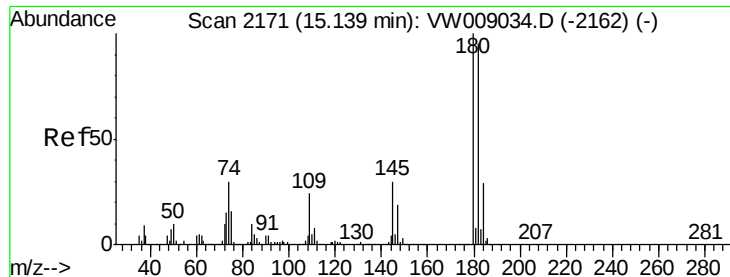
MMDadoda
 3/8/2019 12:07:15 PM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 46.994 ug/l
 RT: 14.49 min Scan# 2064
 Delta R.T. 0.00 min
 Lab File: VW009034.D
 Acq: 07 Mar 2019 12:12

Tgt Ion	Ratio	Lower	Upper
75	100		
155	81.6	40.8	122.4
157	104.9	52.4	157.3





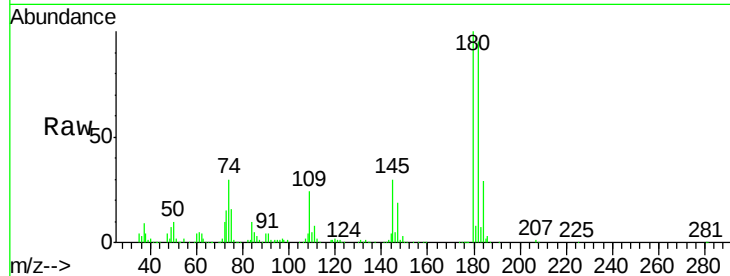
#93
 1,2,4-Trichlorobenzene
 Concen: 50.954 ug/l
 RT: 15.14 min Scan# 2171
 Delta R.T. 0.00 min
 Lab File: VW009034.D
 Acq: 07 Mar 2019 12:12

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDICCC050

Tot Ion	Ratio	Resp	Lower	Upper
180	100	240495		
182	96.2	48.1	144.3	
145	30.7	15.4	46.1	

Manual Integrations
 APPROVED

MMDadoda
 3/8/2019 12:07:15 PM



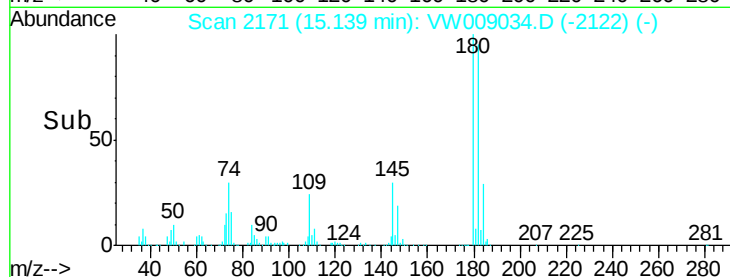
Abundance

Ion 179.80 (179.50 to 180.50): V

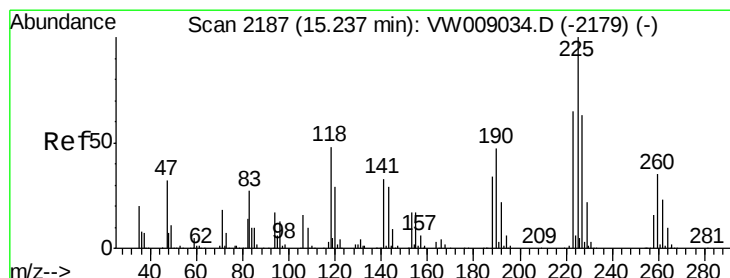
Ion 181.80 (181.50 to 182.50): V

Ion 144.80 (144.50 to 145.50): V

15.14

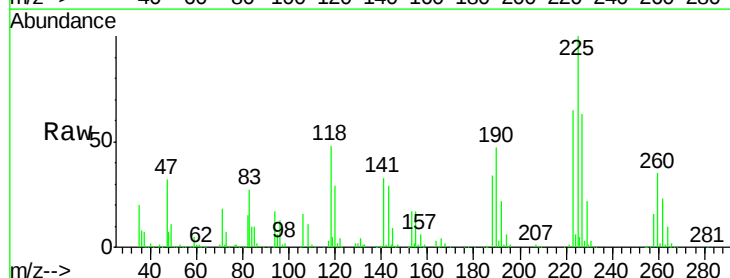


Time-->



#94
 Hexachlorobutadiene
 Concen: 50.141 ug/l
 RT: 15.24 min Scan# 2187
 Delta R.T. 0.00 min
 Lab File: VW009034.D
 Acq: 07 Mar 2019 12:12

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	147921		
223	63.2	31.6	94.8	
227	64.1	32.0	96.2	



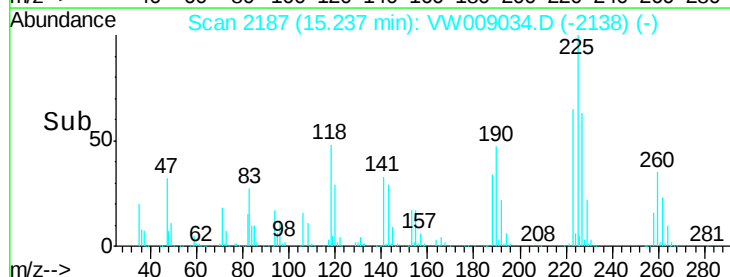
Abundance

Ion 224.70 (224.40 to 225.40): V

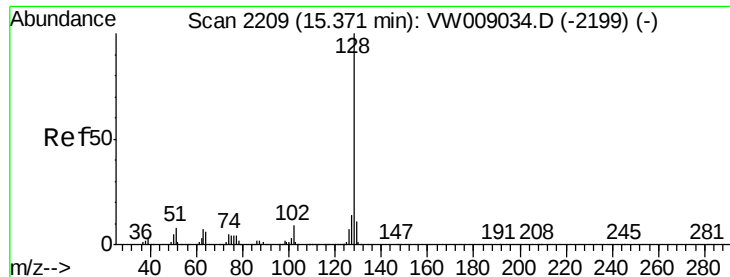
Ion 222.70 (222.40 to 223.40): V

Ion 226.70 (226.40 to 227.40): V

15.24



Time-->



#95

Naphthalene

Concen: 51.929 ug/l

RT: 15.37 min Scan# 2209

Delta R.T. 0.00 min

Lab File: VW009034.D

Acq: 07 Mar 2019 12:12

Instrument :

MSVOA_W

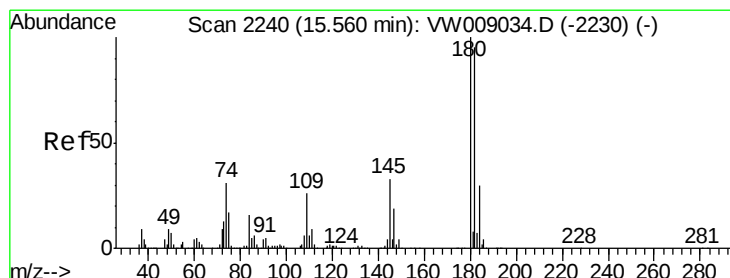
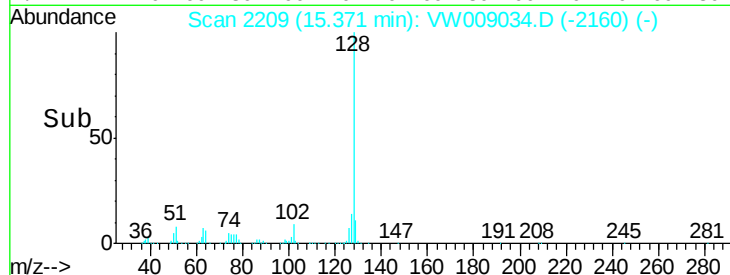
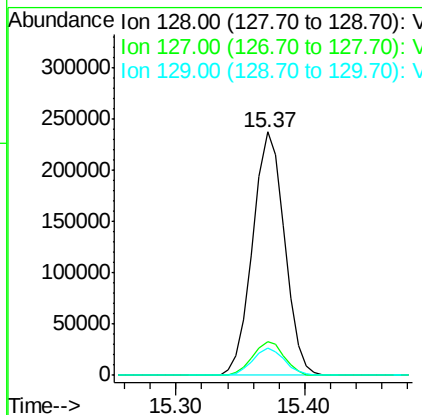
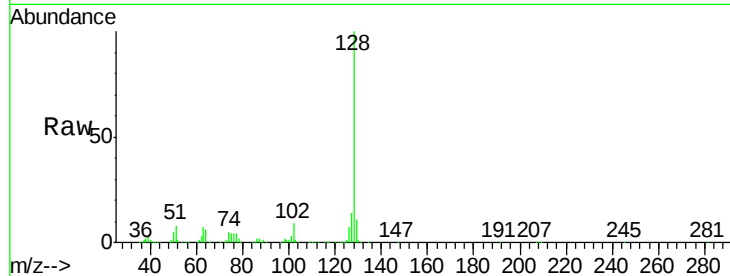
ClientSampleId :

VSTDICCC050

Tot Ion:	128	Resp:	406061
Ion Ratio	Lower	Upper	
128	100		
127	13.8	11.0	16.6
129	11.0	8.8	13.2

Manual Integrations
APPROVED

MMDadoda
3/8/2019 12:07:15 PM



#96

1,2,3-Trichlorobenzene

Concen: 50.798 ug/l

RT: 15.56 min Scan# 2240

Delta R.T. 0.00 min

Lab File: VW009034.D

Acq: 07 Mar 2019 12:12

Tgt Ion:	180	Resp:	210527
Ion Ratio	Lower	Upper	
180	100		
182	96.2	48.1	144.3
145	31.5	15.8	47.3

