

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW030719\
 Data File : VW009035.D
 Acq On : 07 Mar 2019 12:38
 Operator : SY/VA
 Sample : VSTDIC100
 Misc : 5.00G/5ML/MSVOA W/SOIL
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC100

Manual Integrations
 APPROVED

MMDadoda
 3/8/2019 12:06:53 PM

Quant Time: Mar 08 04:53:25 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	288484	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	416364	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	405802	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	229204	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.30	65	297894	100.75	ug/l	0.00
Spiked Amount	50.000		Recovery	=	201.50%	
35) Dibromofluoromethane	7.88	113	262330	104.47	ug/l	0.00
Spiked Amount	50.000		Recovery	=	208.94%	
50) Toluene-d8	10.32	98	1049828	101.09	ug/l	0.00
Spiked Amount	50.000		Recovery	=	202.18%	
62) 4-Bromofluorobenzene	12.62	95	415593	101.80	ug/l	0.00
Spiked Amount	50.000		Recovery	=	203.60%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.00	85	259581	89.412	ug/l	98
3) Chloromethane	2.21	50	356177	97.494	ug/l	99
4) Vinyl Chloride	2.35	62	366427	97.694	ug/l	99
5) Bromomethane	2.76	94	310092	97.079	ug/l	98
6) Chloroethane	2.91	64	264555	98.655	ug/l	99
7) Trichlorofluoromethane	3.25	101	477516	99.662	ug/l	97
8) Diethyl Ether	3.68	74	153116	105.959	ug/l	92
9) 1,1,2-Trichlorotrifluoroet	4.06	101	292237	98.069	ug/l	99
10) Methyl Iodide	4.27	142	349653	123.485	ug/l	100
11) Tert butyl alcohol	5.18	59	104499m	505.847	ug/l	
12) 1,1-Dichloroethene	4.04	96	266062	102.571	ug/l	95
13) Acrolein	3.90	56	123609	499.818	ug/l	99
14) Allyl chloride	4.67	41	472073	104.957	ug/l	99
15) Acrylonitrile	5.37	53	341268	523.675	ug/l	99
16) Acetone	4.13	43	337779	511.109	ug/l	99
17) Carbon Disulfide	4.37	76	898761	103.393	ug/l	99
18) Methyl Acetate	4.67	43	158207	104.153	ug/l	98
19) Methyl tert-butyl Ether	5.43	73	715041	104.553	ug/l	99
20) Methylene Chloride	4.92	84	299986	79.740	ug/l	97
21) trans-1,2-Dichloroethene	5.42	96	301175	100.518	ug/l	97
22) Diisopropyl ether	6.31	45	947126	104.563	ug/l	99
23) Vinyl Acetate	6.26	43	3041184	538.642	ug/l	100
24) 1,1-Dichloroethane	6.21	63	538929	102.600	ug/l	99
25) 2-Butanone	7.17	43	475950	530.541	ug/l	99
26) 2,2-Dichloropropane	7.16	77	474919	98.954	ug/l	100
27) cis-1,2-Dichloroethene	7.17	96	328221	102.851	ug/l	98
28) Bromochloromethane	7.51	49	229809	105.710	ug/l	96
29) Tetrahydrofuran	7.53	42	307572	534.753	ug/l	99
30) Chloroform	7.67	83	557713	103.904	ug/l	97
31) Cyclohexane	7.95	56	494067	92.442	ug/l	99
32) 1,1,1-Trichloroethane	7.87	97	497759	100.700	ug/l	99
36) 1,1-Dichloropropene	8.08	75	418492	97.142	ug/l	99
37) Ethyl Acetate	7.25	43	208908	103.218	ug/l	99
38) Carbon Tetrachloride	8.07	117	443472	99.327	ug/l	96

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MMDadoda
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.34	83	533048	103.308	ug/l	99
40) Benzene	8.32	78	1163133	101.541	ug/l	97
41) Methacrylonitrile	7.48	41	138228m	129.598	ug/l	
42) 1,2-Dichloroethane	8.40	62	382267	102.407	ug/l	100
43) Isopropyl Acetate	8.42	43	405798	107.186	ug/l	98
44) Trichloroethene	9.09	130	312696	97.095	ug/l	98
45) 1,2-Dichloropropane	9.37	63	284283	99.765	ug/l	98
46) Dibromomethane	9.46	93	163856	103.529	ug/l	100
47) Bromodichloromethane	9.64	83	406207	101.827	ug/l	98
48) Methyl methacrylate	9.43	41	192253	107.693	ug/l	92
49) 1,4-Dioxane	9.46	88	44160	1900.555	ug/l	97
51) 4-Methyl-2-Pentanone	10.21	43	1045132	541.625	ug/l	100
52) Toluene	10.39	92	805153	103.055	ug/l	97
53) t-1,3-Dichloropropene	10.60	75	419938	105.859	ug/l	93
54) cis-1,3-Dichloropropene	10.07	75	472070	104.296	ug/l	96
55) 1,1,2-Trichloroethane	10.79	97	216787	101.080	ug/l	98
56) Ethyl methacrylate	10.65	69	299826	111.489	ug/l	98
57) 1,3-Dichloropropane	10.93	76	387135	101.679	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.93	63	743240	531.899	ug/l	99
59) 2-Hexanone	10.97	43	741622	544.390	ug/l	100
60) Dibromochloromethane	11.13	129	276912	105.089	ug/l	98
61) 1,2-Dibromoethane	11.23	107	213242	102.309	ug/l	99
64) Tetrachloroethene	10.86	164	288322	97.864	ug/l	96
65) Chlorobenzene	11.66	112	872249	99.774	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.73	131	303813	104.238	ug/l	99
67) Ethyl Benzene	11.73	91	1644348	104.686	ug/l	99
68) m/p-Xylenes	11.84	106	1298694	209.201	ug/l	99
69) o-Xylene	12.16	106	613982	106.090	ug/l	100
70) Styrene	12.18	104	1023717	108.658	ug/l	100
71) Bromoform	12.35	173	172681	109.260	ug/l #	98
73) Isopropylbenzene	12.46	105	1703070	104.563	ug/l	100
74) N-amyl acetate	12.27	43	434103	111.497	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.71	83	260473	100.539	ug/l	98
76) 1,2,3-Trichloropropane	12.77	75	190395m	74.601	ug/l	
77) Bromobenzene	12.75	156	371661	99.793	ug/l	98
78) n-propylbenzene	12.80	91	2095596	104.807	ug/l	100
79) 2-Chlorotoluene	12.90	91	1160373	103.278	ug/l	100
80) 1,3,5-Trimethylbenzene	12.94	105	1468560	104.617	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.51	75	87150	108.475	ug/l	98
82) 4-Chlorotoluene	12.99	91	1244749	103.978	ug/l	100
83) tert-Butylbenzene	13.21	119	1247291	105.780	ug/l	99
84) 1,2,4-Trimethylbenzene	13.26	105	1501422	105.950	ug/l	99
85) sec-Butylbenzene	13.38	105	1836709	105.125	ug/l	100
86) p-Isopropyltoluene	13.50	119	1663321	106.210	ug/l	99
87) 1,3-Dichlorobenzene	13.50	146	792136	101.435	ug/l	99
88) 1,4-Dichlorobenzene	13.58	146	762261	98.808	ug/l	100
89) n-Butylbenzene	13.83	91	1573281	105.377	ug/l	100
90) Hexachloroethane	14.10	117	277001	102.682	ug/l	99
91) 1,2-Dichlorobenzene	13.87	146	686047	100.291	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.49	75	45909	95.455	ug/l	99

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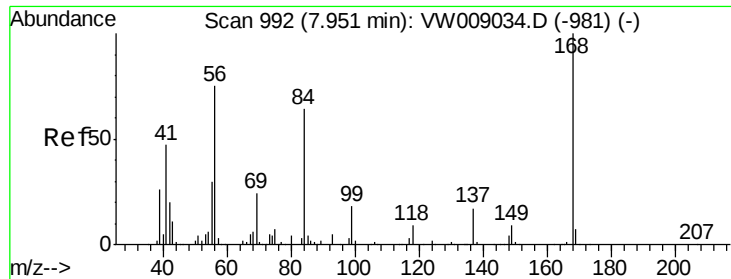
Manual Integrations
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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.14	180	463251	99.033	ug/l	99
94) Hexachlorobutadiene	15.24	225	274348	93.832	ug/l	99
95) Naphthalene	15.37	128	818713	105.643	ug/l	99
96) 1,2,3-Trichlorobenzene	15.56	180	393973	95.916	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 992

Delta R.T. -0.00 min

Lab File: VW009035.D

Acq: 07 Mar 2019 12:38

Instrument :

MSVOA_W

ClientSampled :

VSTDIC100

Tot Ion:168 Resp: 288484

Ion Ratio Lower Upper

168 100

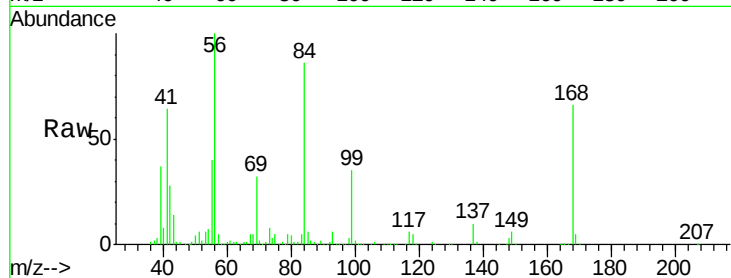
99 52.6 42.2 63.2

Manual Integrations

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3/8/2019 12:06:53 PM



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW

7.95

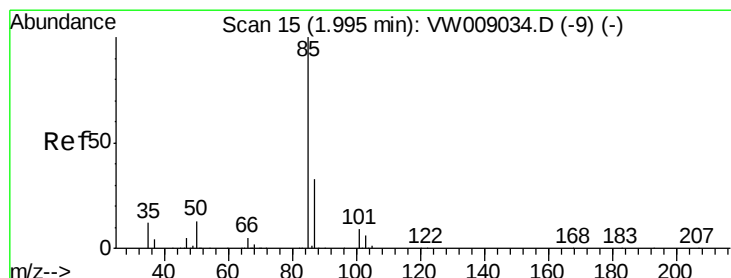
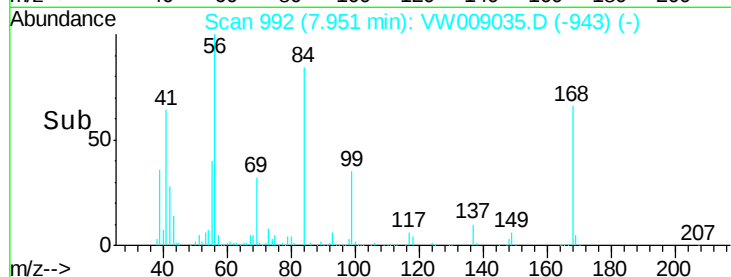
150000

100000

50000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 89.412 ug/l

RT: 2.00 min Scan# 15

Delta R.T. -0.00 min

Lab File: VW009035.D

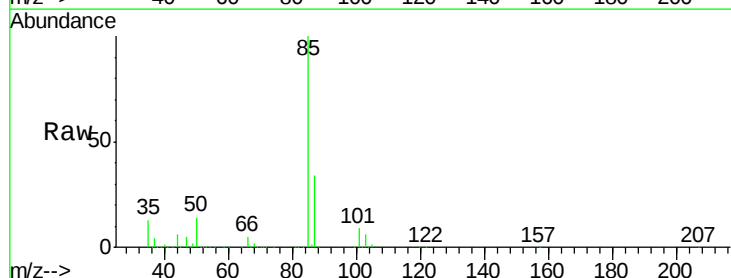
Acq: 07 Mar 2019 12:38

Tgt Ion: 85 Resp: 259581

Ion Ratio Lower Upper

85 100

87 33.5 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

200000

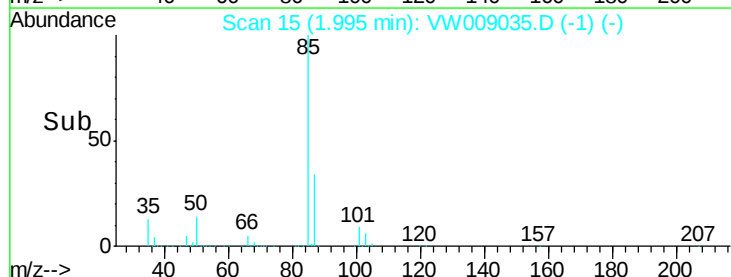
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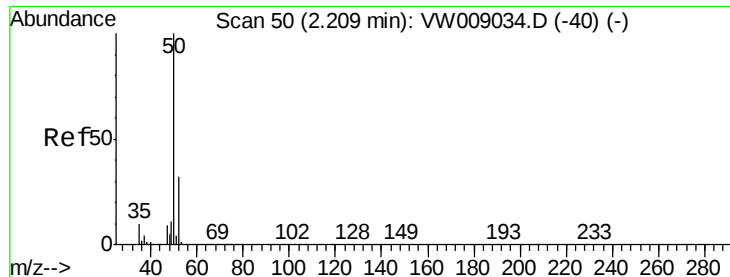
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50000

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Time-->





#3

Chloromethane

Concen: 97.494 ug/l

RT: 2.21 min Scan# 50

Delta R.T. -0.00 min

Lab File: VW009035.D

Acq: 07 Mar 2019 12:38

Instrument :

MSVOA_W

ClientSampleId :

VSTDICC100

Tot Ion: 50 Resp: 356177

Ion Ratio Lower Upper

50 100

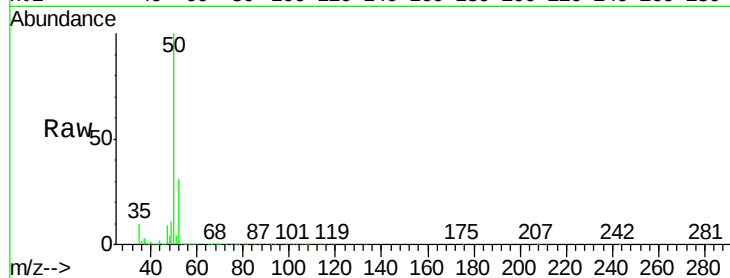
52 31.1 25.4 38.2

Manual Integrations

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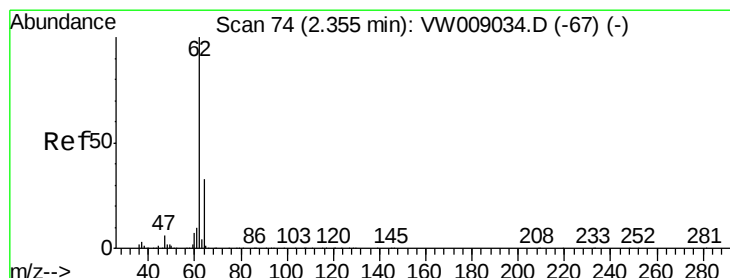
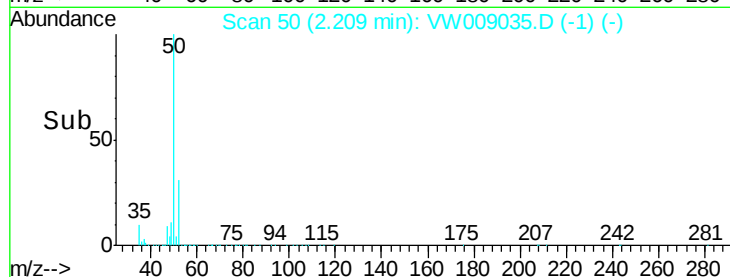
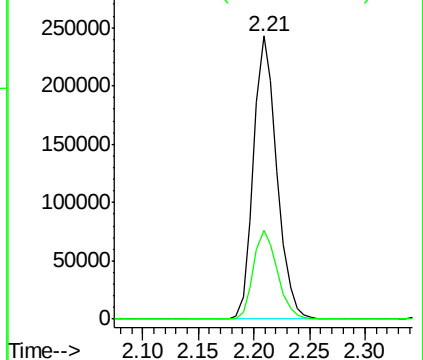
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Abundance Ion 49.90 (49.60 to 50.60): VW

Ion 51.90 (51.60 to 52.60): VW



#4

Vinyl Chloride

Concen: 97.694 ug/l

RT: 2.35 min Scan# 74

Delta R.T. -0.00 min

Lab File: VW009035.D

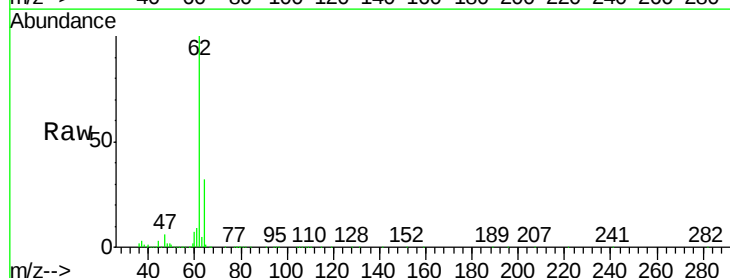
Acq: 07 Mar 2019 12:38

Tgt Ion: 62 Resp: 366427

Ion Ratio Lower Upper

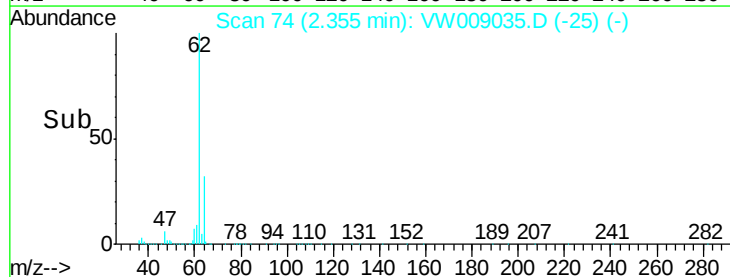
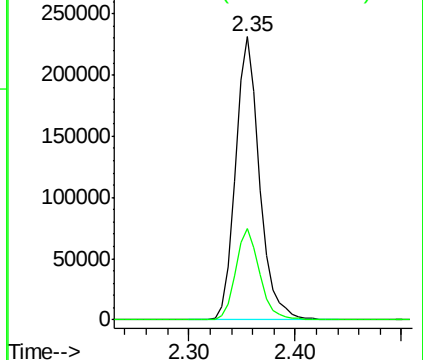
62 100

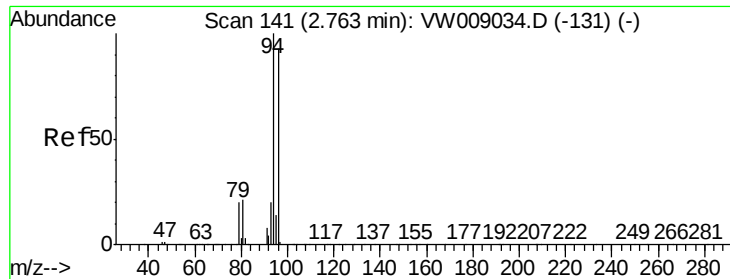
64 32.1 26.0 39.0



Abundance Ion 61.90 (61.60 to 62.60): VW

Ion 63.90 (63.60 to 64.60): VW





#5

Bromomethane

Concen: 97.079 ug/l

RT: 2.76 min Scan# 140

Delta R.T. -0.01 min

Lab File: VW009035.D

Acq: 07 Mar 2019 12:38

Instrument :

MSVOA_W

ClientSampled :

VSTDIC100

Tot Ion: 94 Resp: 310092

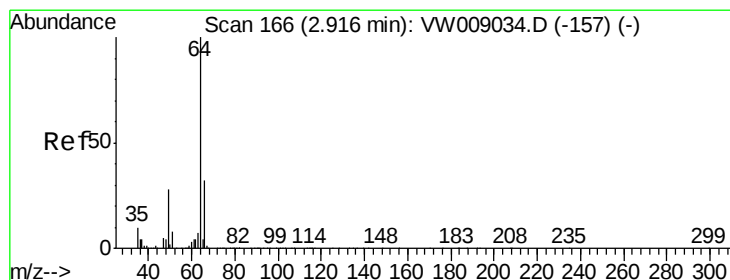
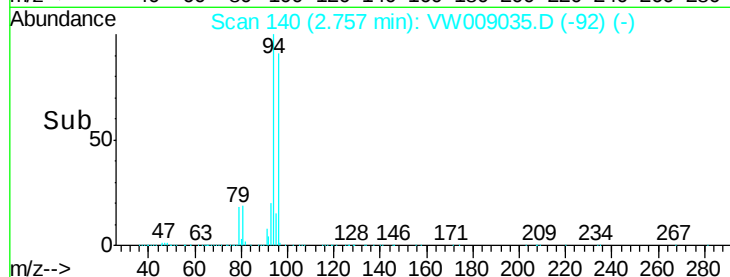
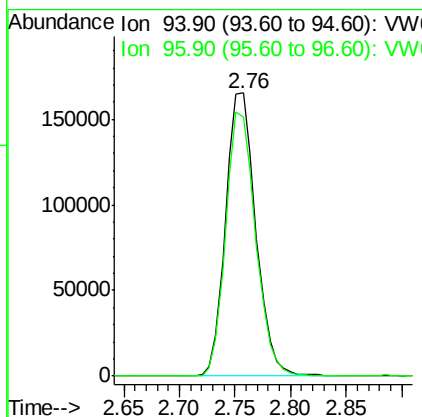
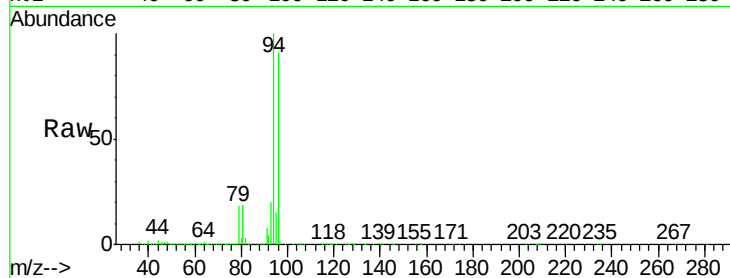
Ion Ratio Lower Upper

94 100

96 91.4 74.4 111.6

Manual Integrations
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3/8/2019 12:06:53 PM



#6

Chloroethane

Concen: 98.655 ug/l

RT: 2.91 min Scan# 165

Delta R.T. -0.01 min

Lab File: VW009035.D

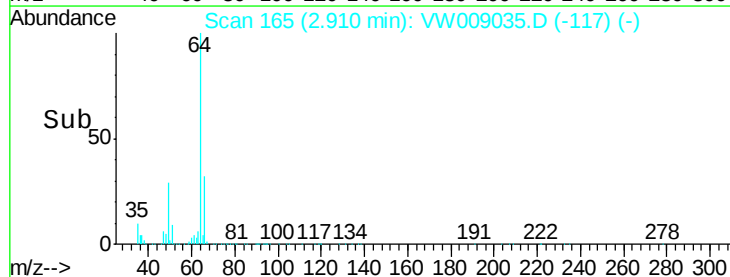
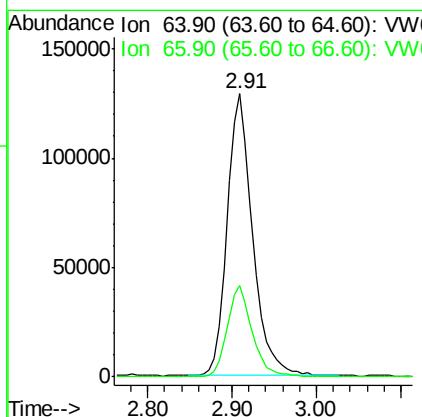
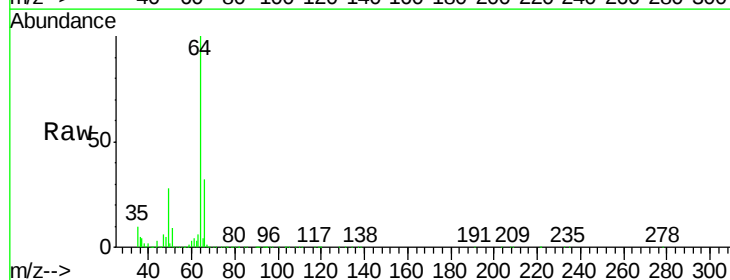
Acq: 07 Mar 2019 12:38

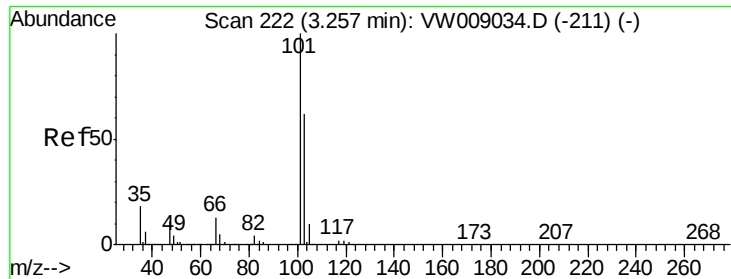
Tgt Ion: 64 Resp: 264555

Ion Ratio Lower Upper

64 100

66 32.2 25.5 38.3





#7

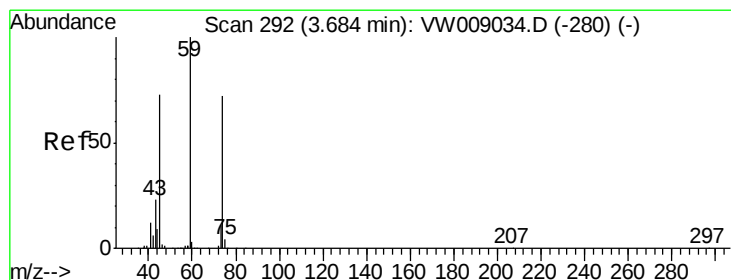
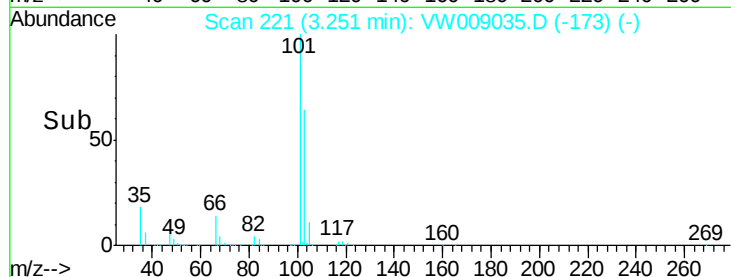
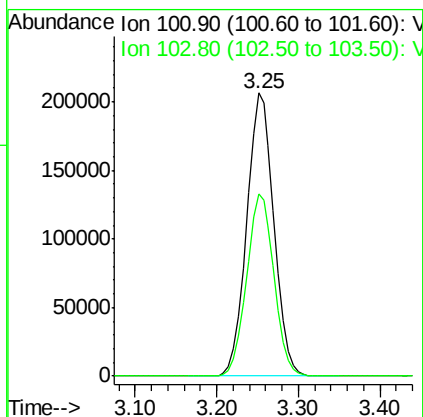
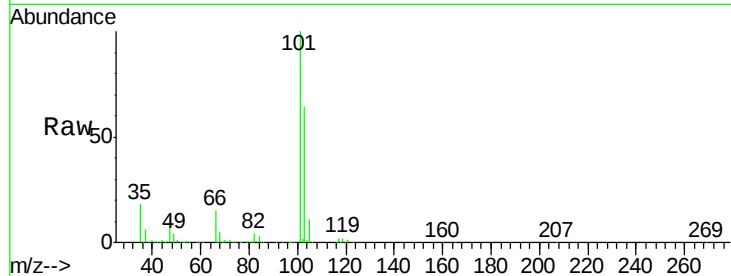
Trichlorofluoromethane
 Concen: 99.662 ug/l
 RT: 3.25 min Scan# 221
 Delta R.T. -0.01 min
 Lab File: VW009035.D
 Acq: 07 Mar 2019 12:38

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC100

Tot Ion	Ratio	Lower	Upper
101	100		
103	64.4	49.9	74.9

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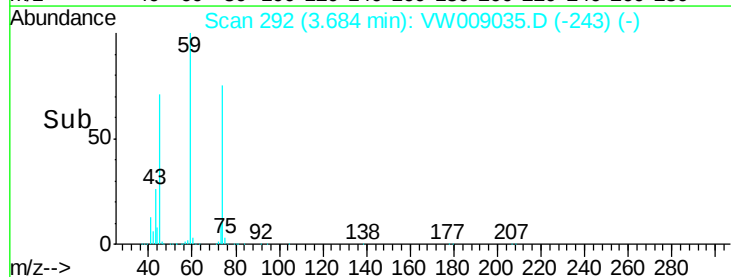
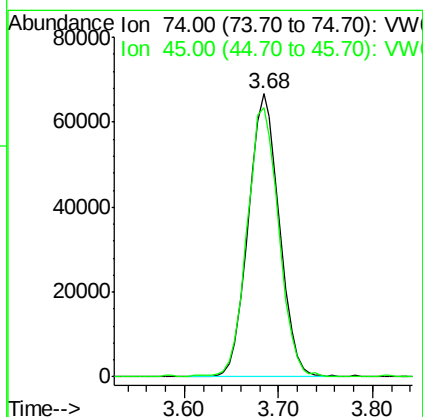
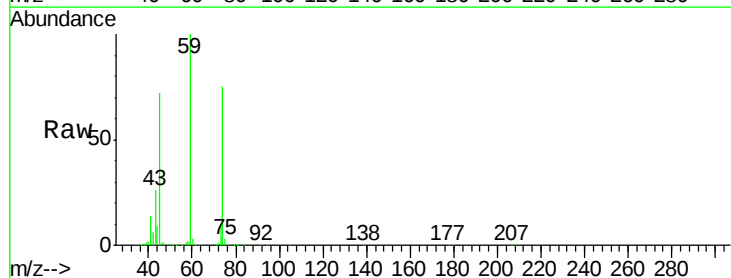
MMDadoda
 3/8/2019 12:06:53 PM

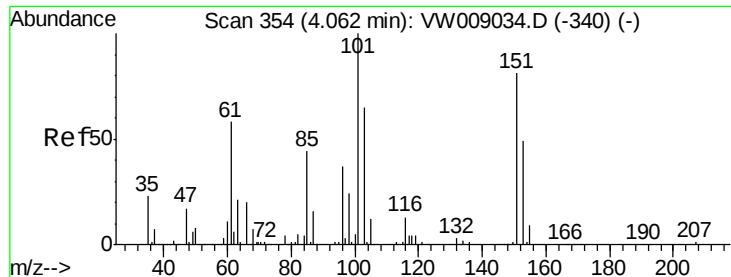


#8

Diethyl Ether
 Concen: 105.959 ug/l
 RT: 3.68 min Scan# 292
 Delta R.T. -0.00 min
 Lab File: VW009035.D
 Acq: 07 Mar 2019 12:38

Tgt Ion	Ratio	Lower	Upper
74	100		
45	96.4	52.3	157.1





#9

1,1,2-Trichlorotrifluoroethane

Concen: 98.069 ug/l

RT: 4.06 min Scan# 353

Delta R.T. -0.01 min

Lab File: VW009035.D

Acq: 07 Mar 2019 12:38

Instrument :

MSVOA_W

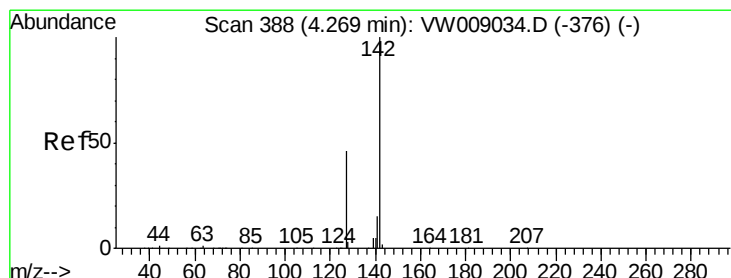
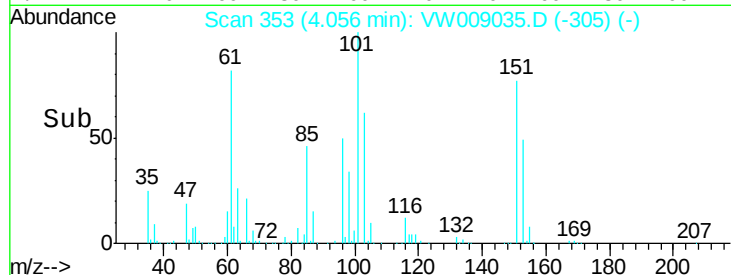
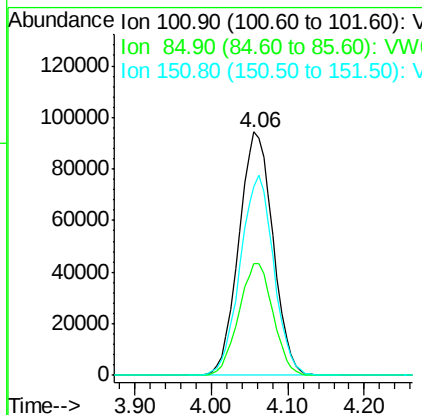
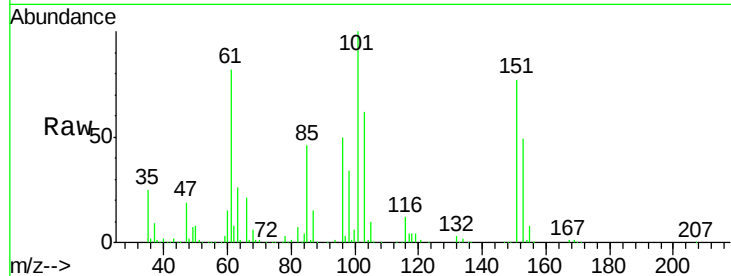
ClientSampleId :

VSTDIC100

Tot Ion:	101	Resp:	292237
Ion Ratio	Lower	Upper	
101	100		
85	46.1	36.2	54.4
151	80.7	63.4	95.2

Manual Integrations
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#10

Methyl Iodide

Concen: 123.485 ug/l

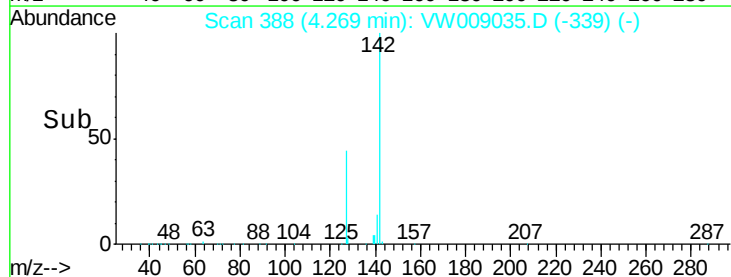
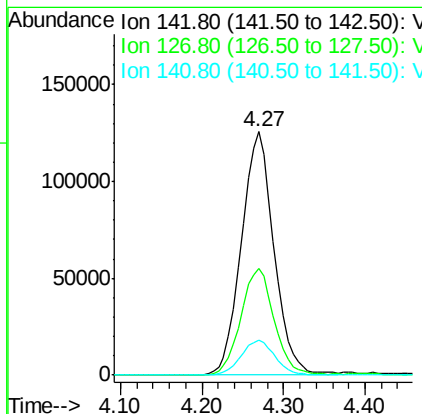
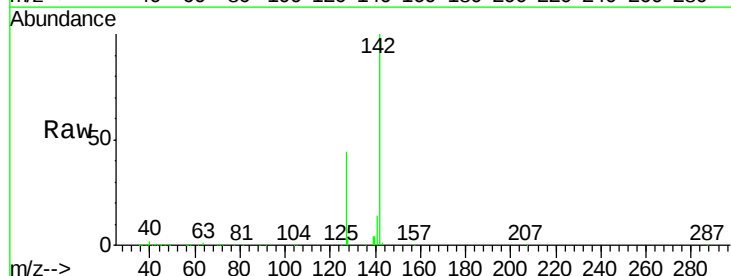
RT: 4.27 min Scan# 388

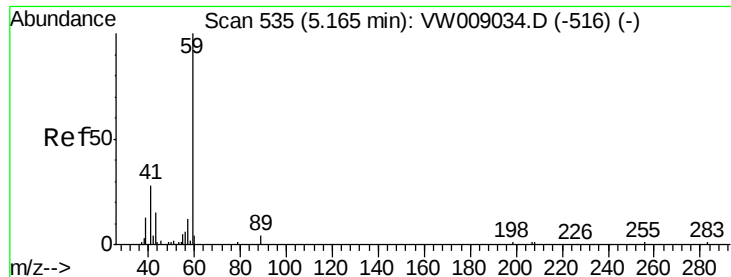
Delta R.T. -0.00 min

Lab File: VW009035.D

Acq: 07 Mar 2019 12:38

Tgt Ion:	142	Resp:	349653
Ion Ratio	Lower	Upper	
142	100		
127	44.7	35.8	53.6
141	14.9	11.8	17.8





#11

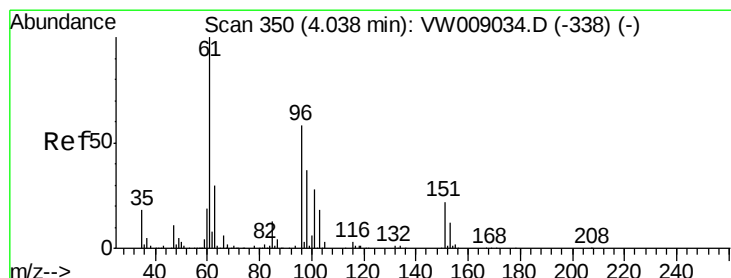
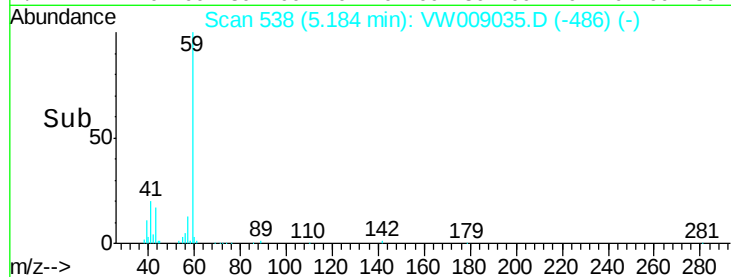
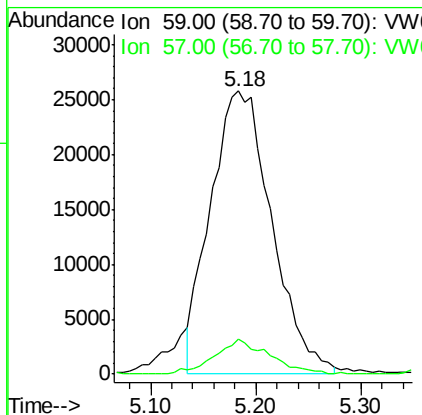
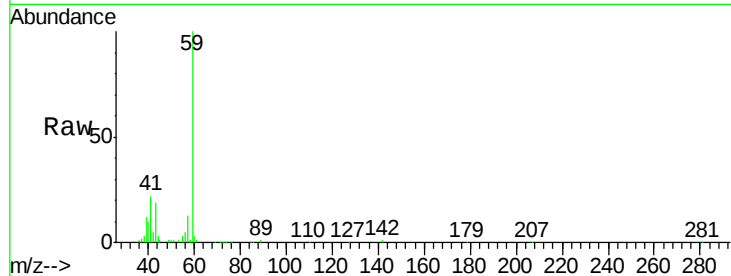
Tert butyl alcohol
 Concen: 505.847 ug/l m
 RT: 5.18 min Scan# 538
 Delta R.T. 0.02 min
 Lab File: VW009035.D
 Acq: 07 Mar 2019 12:38

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC100

Tot Ion	Ratio	Lower	Upper
59	100		
57	11.1	8.6	12.8

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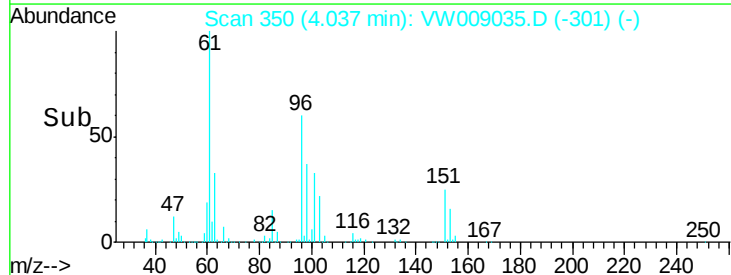
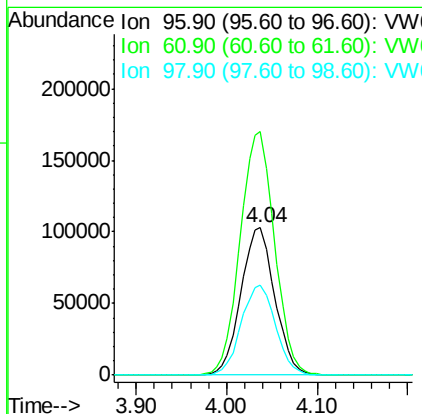
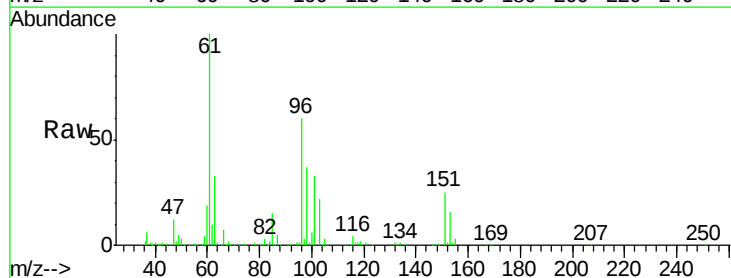
MMDadoda
 3/8/2019 12:06:53 PM

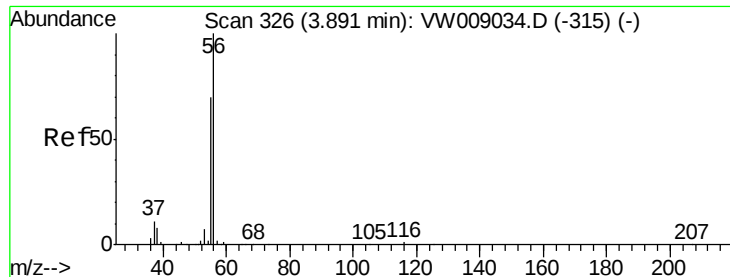


#12

1,1-Dichloroethene
 Concen: 102.571 ug/l
 RT: 4.04 min Scan# 350
 Delta R.T. -0.00 min
 Lab File: VW009035.D
 Acq: 07 Mar 2019 12:38

Tgt Ion	Ratio	Lower	Upper
96	100		
61	165.6	138.2	207.2
98	61.4	51.3	76.9





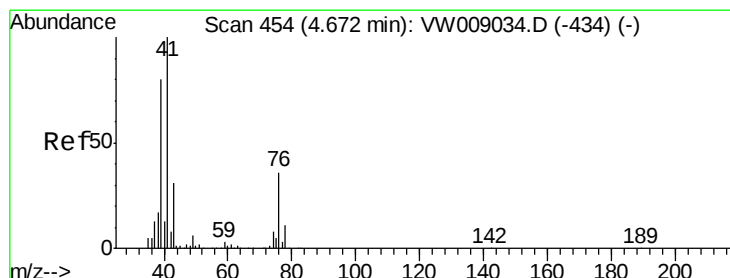
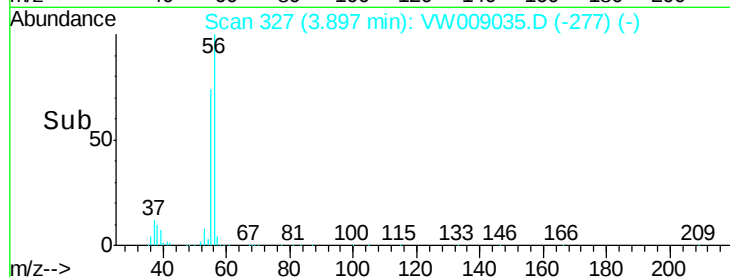
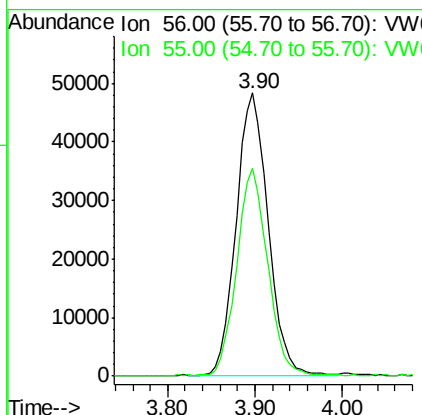
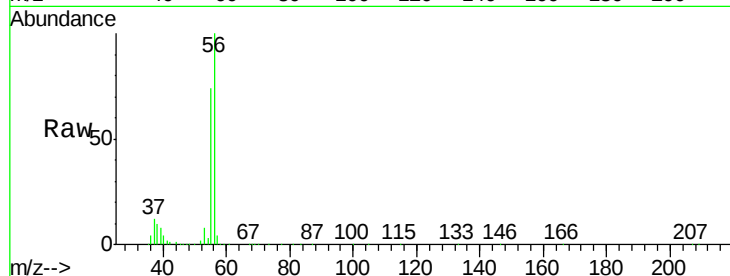
#13
Acrolein
Concen: 499.818 ug/l
RT: 3.90 min Scan# 327
Delta R.T. 0.01 min
Lab File: VW009035.D
Acq: 07 Mar 2019 12:38

Instrument :
MSVOA_W
ClientSampled :
VSTDIC100

Tot Ion	Ratio	Lower	Upper
56	100		
55	71.2	56.6	84.8

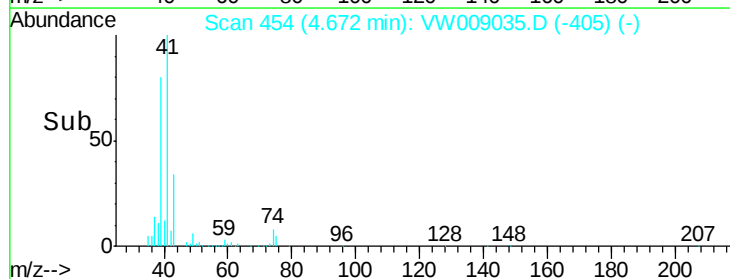
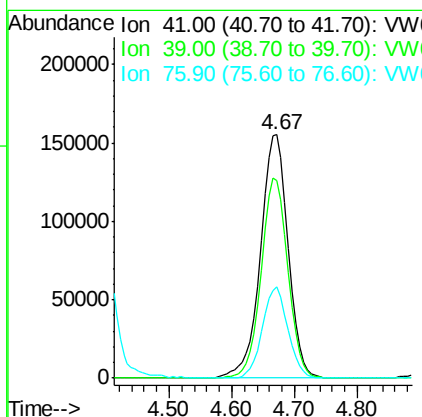
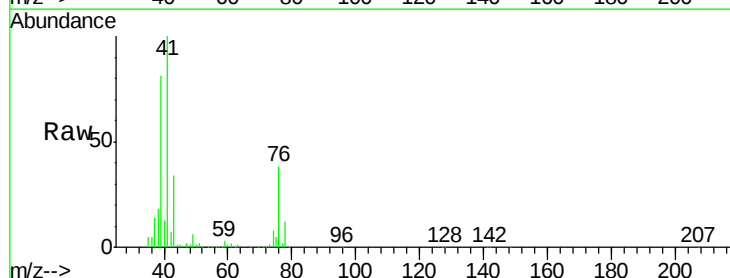
Manual Integrations
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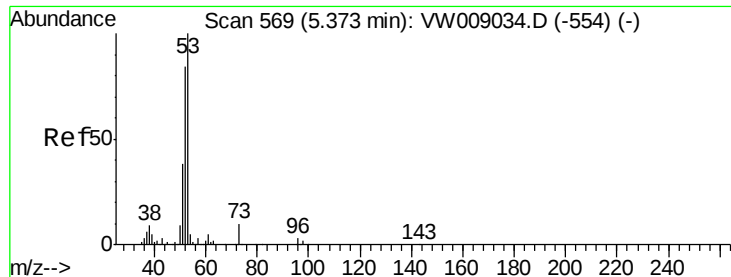
MMDadoda
3/8/2019 12:06:53 PM



#14
Allyl chloride
Concen: 104.957 ug/l
RT: 4.67 min Scan# 454
Delta R.T. -0.00 min
Lab File: VW009035.D
Acq: 07 Mar 2019 12:38

Tgt Ion	Ratio	Lower	Upper
41	100		
39	79.6	63.0	94.4
76	34.7	28.2	42.2





#15

Acrylonitrile

Concen: 523.675 ug/l

RT: 5.37 min Scan# 568

Delta R.T. -0.01 min

Lab File: VW009035.D

Acq: 07 Mar 2019 12:38

Instrument :

MSVOA_W

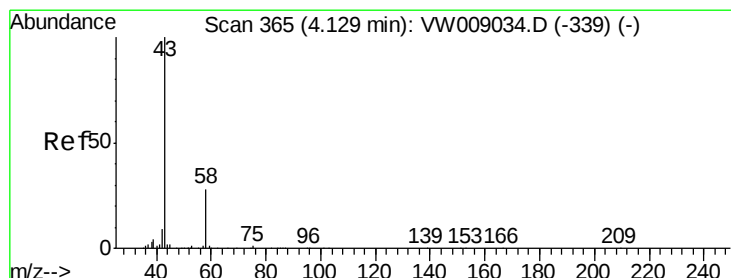
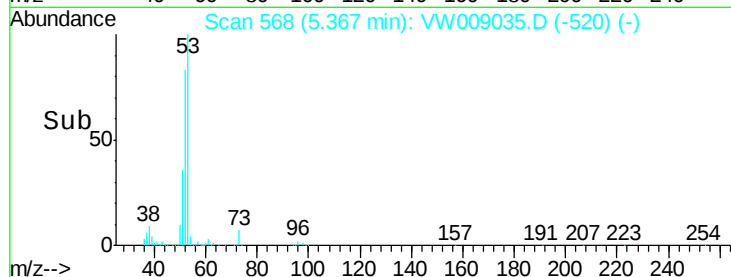
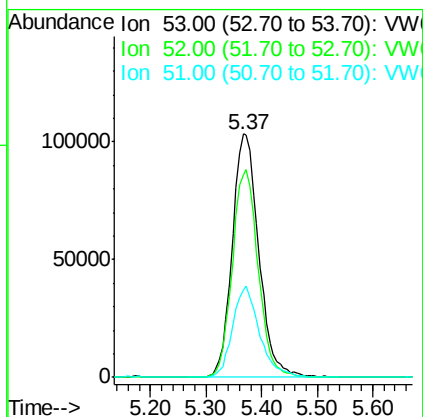
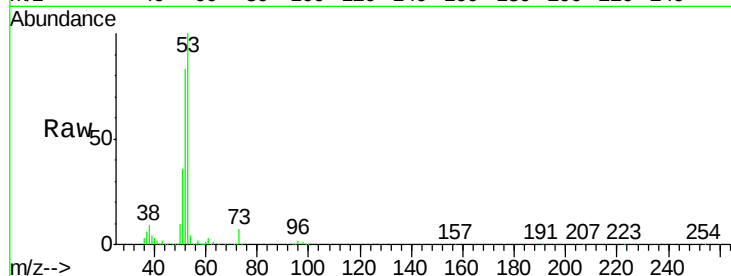
ClientSampleId :

VSTDICC100

Tot Ion:	53	Resp:	341268
Ion Ratio	Lower	Upper	
53	100		
52	83.1	67.2	100.8
51	38.2	31.8	47.6

Manual Integrations
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#16

Acetone

Concen: 511.109 ug/l

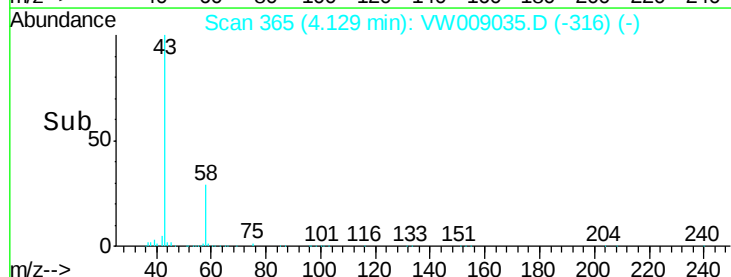
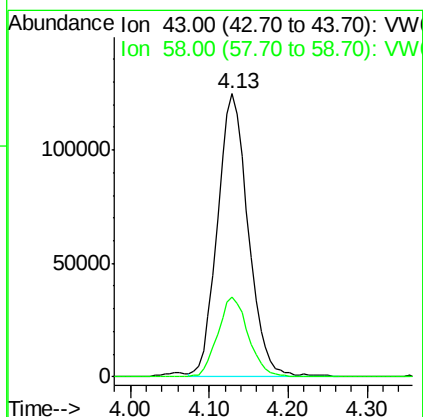
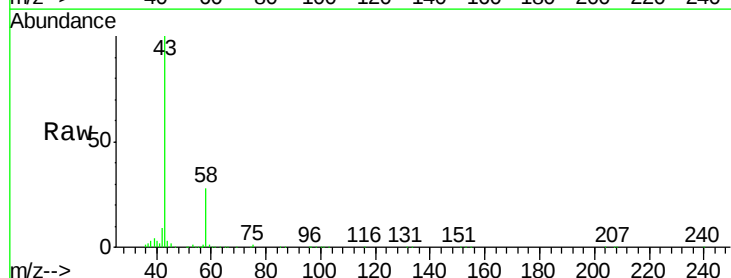
RT: 4.13 min Scan# 365

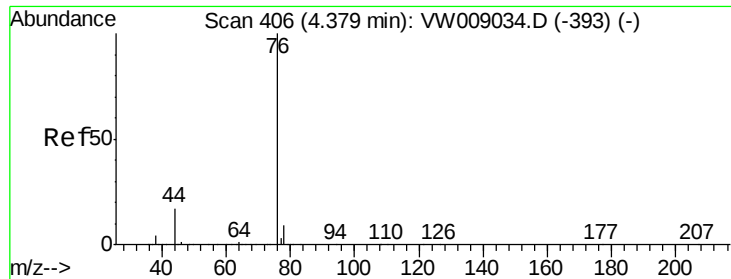
Delta R.T. -0.00 min

Lab File: VW009035.D

Acq: 07 Mar 2019 12:38

Tgt Ion:	43	Resp:	337779
Ion Ratio	Lower	Upper	
43	100		
58	28.4	22.5	33.7





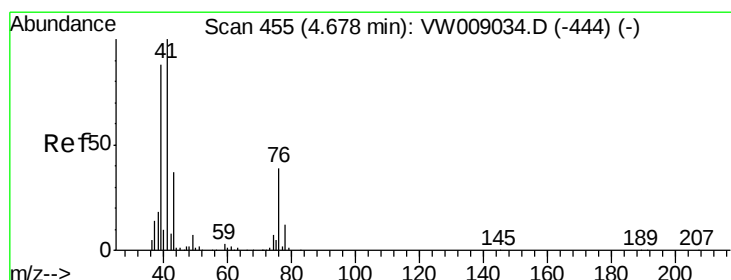
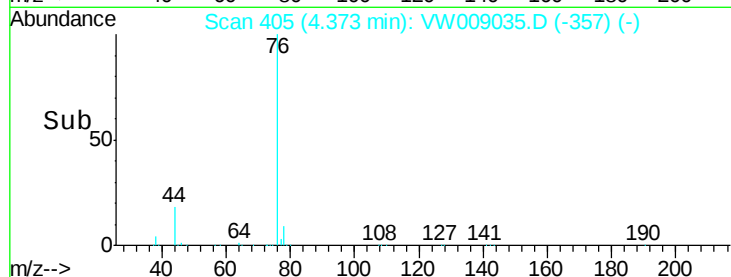
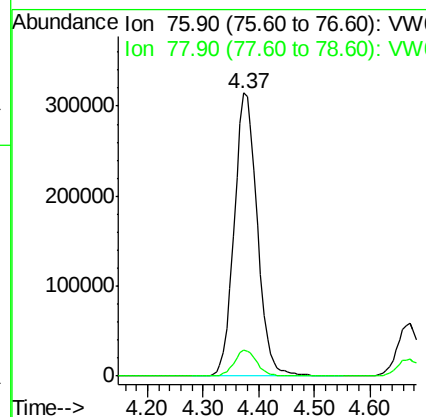
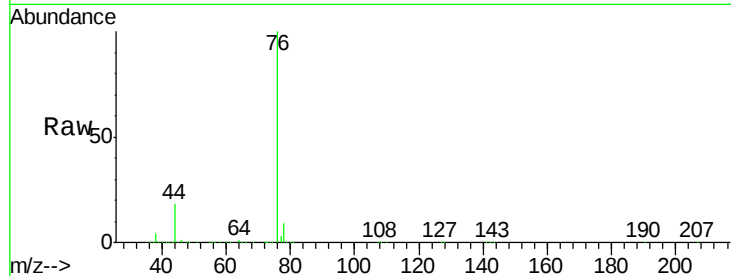
#17
Carbon Disulfide
Concen: 103.393 ug/l
RT: 4.37 min Scan# 405
Delta R.T. -0.01 min
Lab File: VW009035.D
Acq: 07 Mar 2019 12:38

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Lower	Upper
76	100		
78	9.1	7.0	10.6

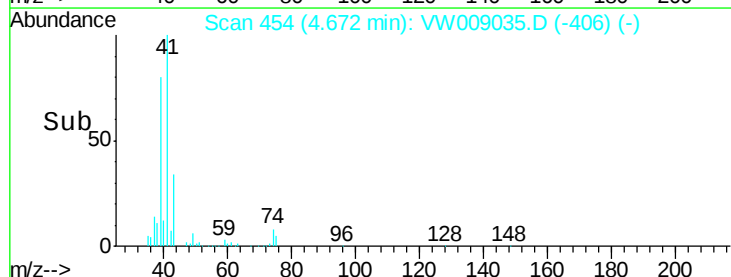
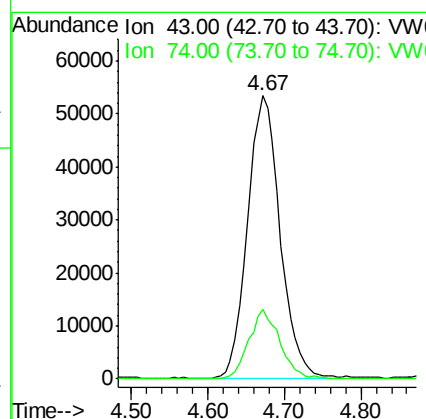
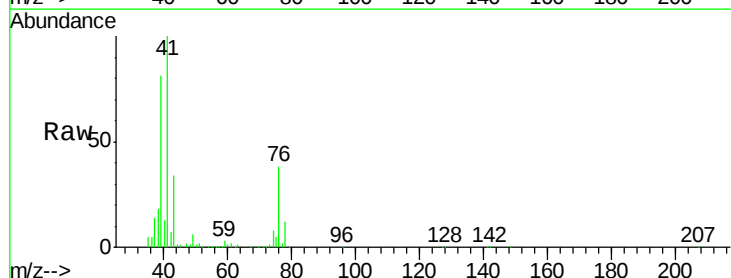
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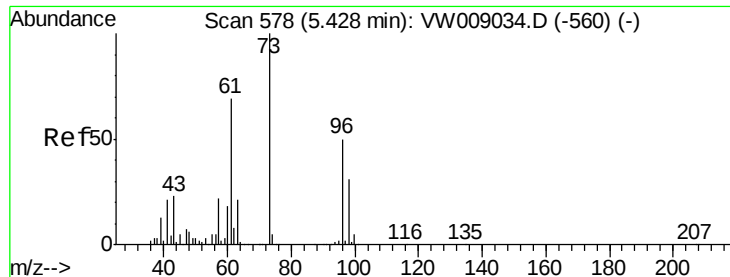
MMDadoda
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#18
Methyl Acetate
Concen: 104.153 ug/l
RT: 4.67 min Scan# 454
Delta R.T. -0.01 min
Lab File: VW009035.D
Acq: 07 Mar 2019 12:38

Tgt Ion	Ratio	Lower	Upper
43	100		
74	23.0	17.6	26.4





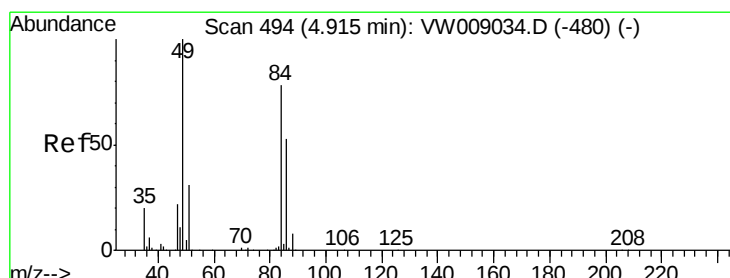
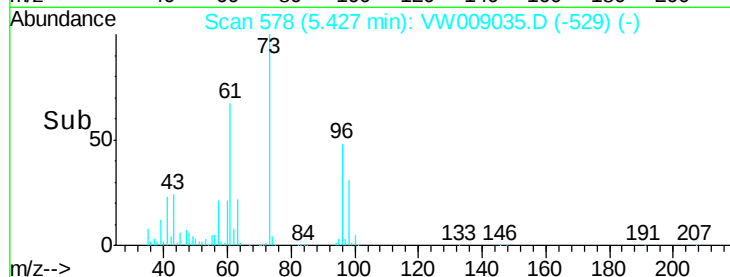
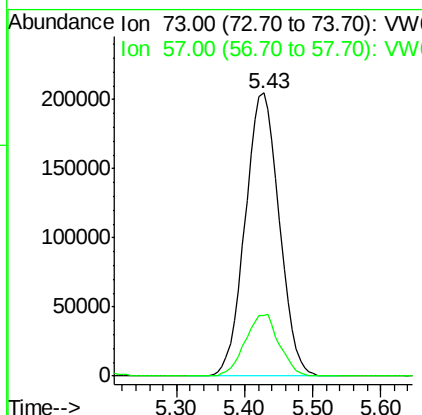
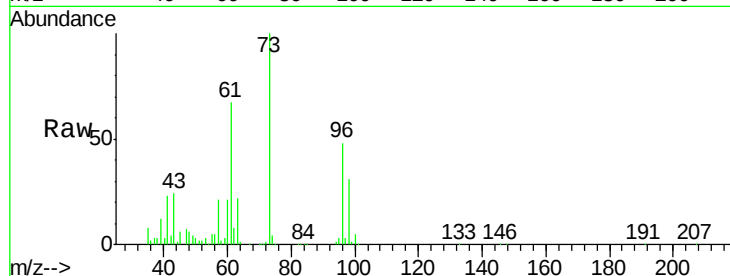
#19
Methvl tert-butvl Ether
Concen: 104.553 ug/l
RT: 5.43 min Scan# 578
Delta R.T. -0.00 min
Lab File: VW009035.D
Acq: 07 Mar 2019 12:38

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC100

Tot Ion: 73 Resp: 715041
Ion Ratio Lower Upper
73 100
57 21.3 17.3 25.9

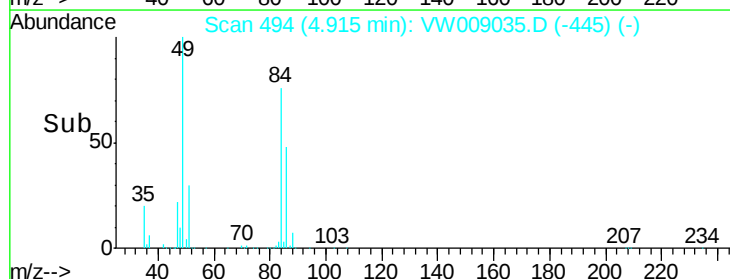
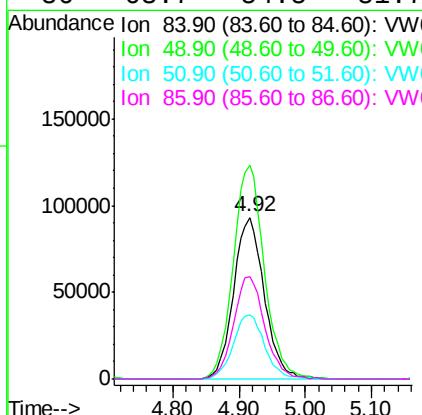
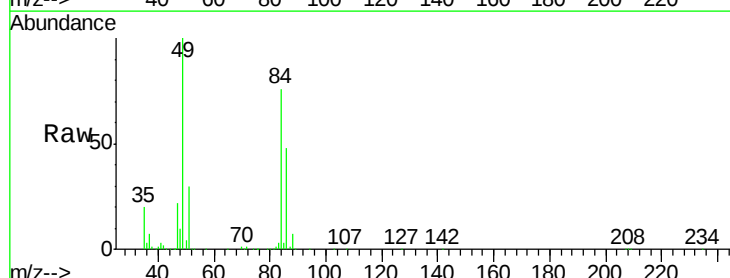
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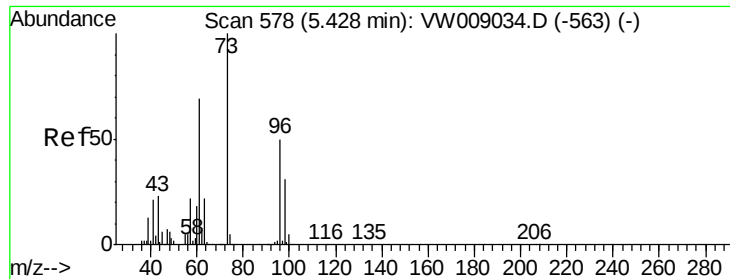
MMDadoda
3/8/2019 12:06:53 PM



#20
Methylene Chloride
Concen: 79.740 ug/l
RT: 4.92 min Scan# 494
Delta R.T. -0.00 min
Lab File: VW009035.D
Acq: 07 Mar 2019 12:38

Tgt Ion: 84 Resp: 299986
Ion Ratio Lower Upper
84 100
49 131.8 102.4 153.6
51 39.2 31.6 47.4
86 63.7 54.5 81.7





#21

trans-1,2-Dichloroethene

Concen: 100.518 ug/l

RT: 5.42 min Scan# 577

Delta R.T. -0.01 min

Lab File: VW009035.D

Acq: 07 Mar 2019 12:38

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC100

Tot Ion: 96 Resp: 301175

Ion Ratio Lower Upper

96 100

61 143.1 111.0 166.6

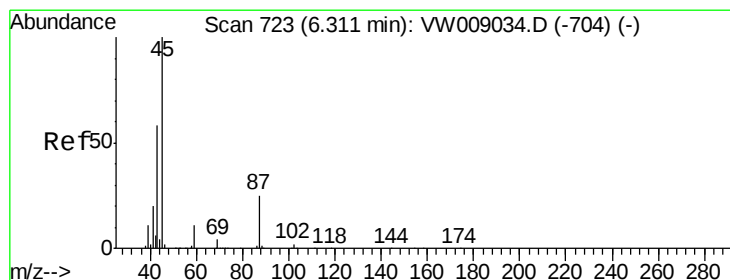
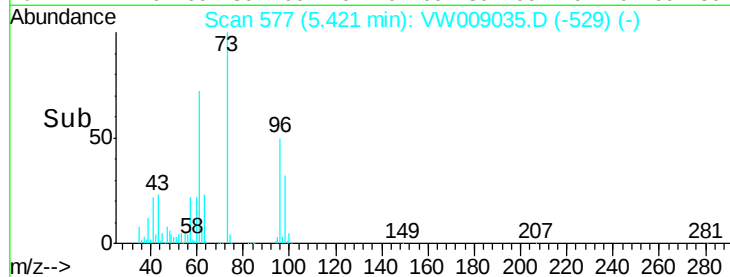
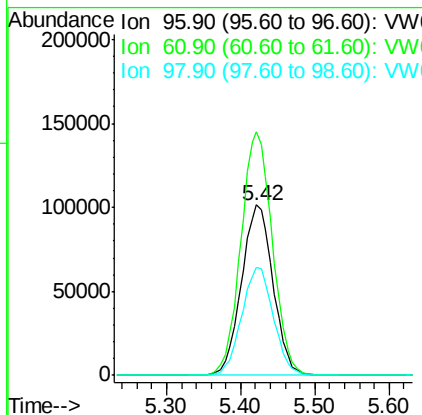
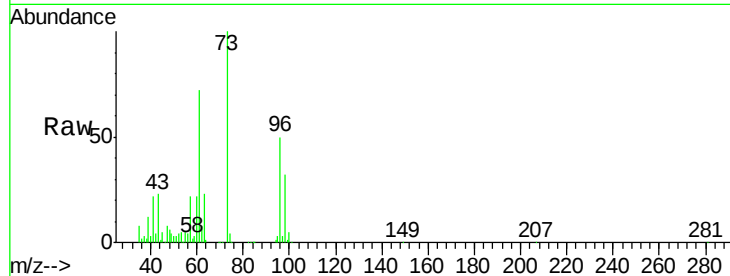
98 63.2 49.4 74.0

Manual Integrations

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#22

Diisopropyl ether

Concen: 104.563 ug/l

RT: 6.31 min Scan# 723

Delta R.T. -0.00 min

Lab File: VW009035.D

Acq: 07 Mar 2019 12:38

Tgt Ion: 45 Resp: 947126

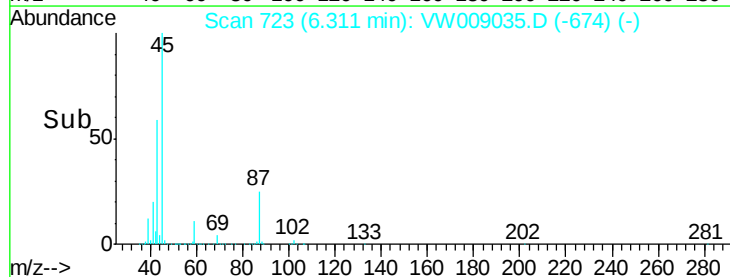
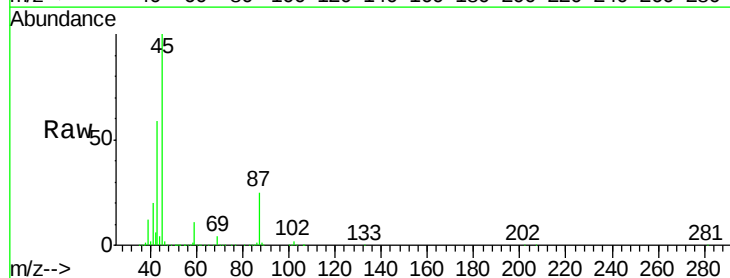
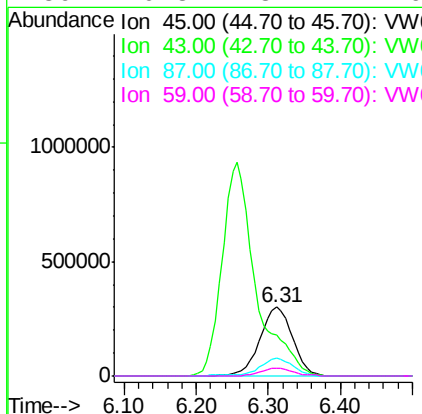
Ion Ratio Lower Upper

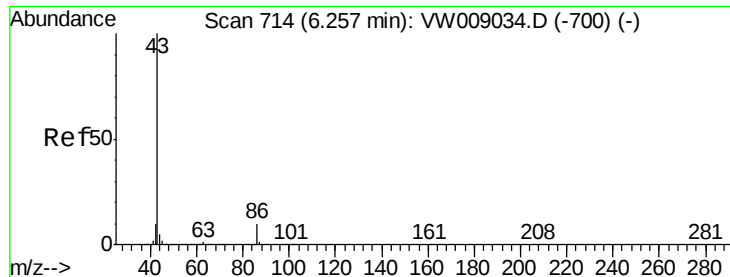
45 100

43 58.8 46.2 69.4

87 25.4 20.1 30.1

59 10.8 8.4 12.6





#23

Vinyl Acetate

Concen: 538.642 ug/l

RT: 6.26 min Scan# 714

Delta R.T. -0.00 min

Lab File: VW009035.D

Acq: 07 Mar 2019 12:38

Tot Ion: 43 Resp: 3041184

Ion Ratio Lower Upper

43 100

86 9.5 7.6 11.4

Instrument :

MSVOA_W

ClientSampleId :

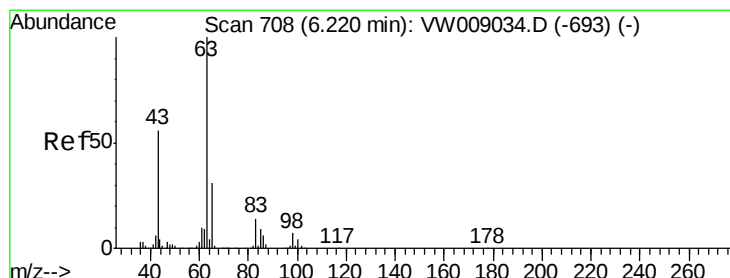
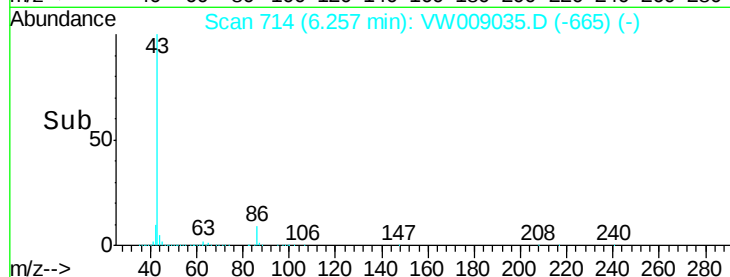
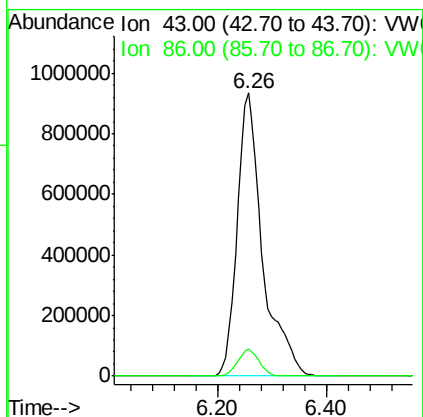
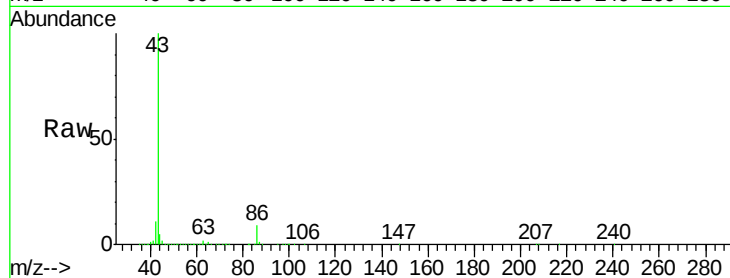
VSTDICC100

Manual Integrations

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#24

1,1-Dichloroethane

Concen: 102.600 ug/l

RT: 6.21 min Scan# 707

Delta R.T. -0.01 min

Lab File: VW009035.D

Acq: 07 Mar 2019 12:38

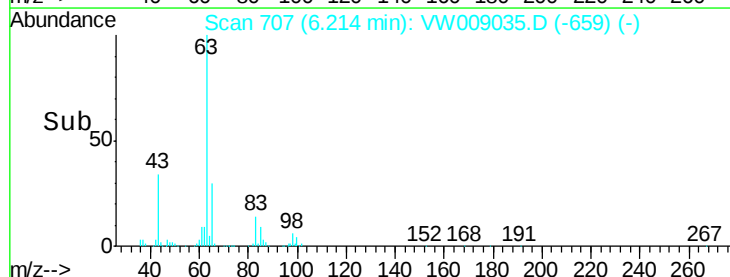
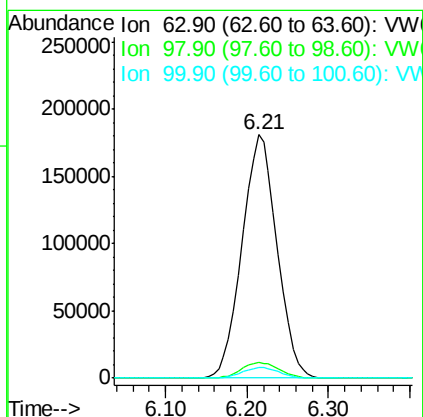
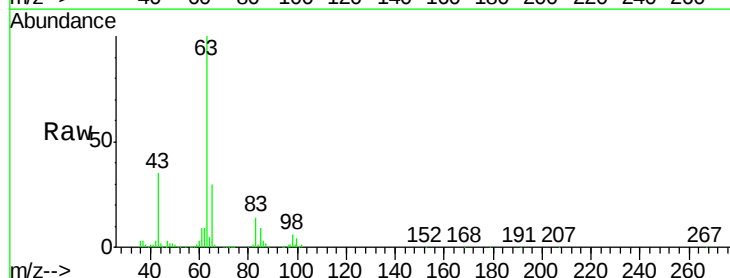
Tgt Ion: 63 Resp: 538929

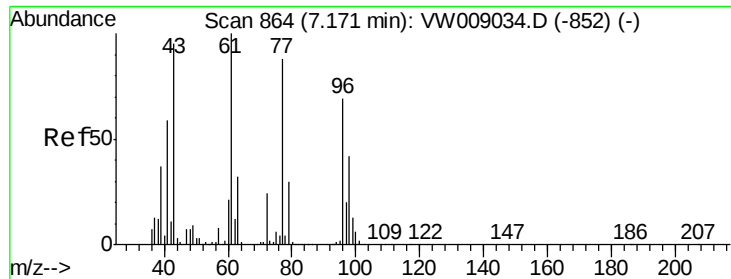
Ion Ratio Lower Upper

63 100

98 6.3 3.4 10.2

100 4.4 2.1 6.2





#25

2-Butanone

Concen: 530.541 ug/l

RT: 7.17 min Scan# 864

Delta R.T. -0.00 min

Lab File: VW009035.D

Acq: 07 Mar 2019 12:38

Instrument :

MSVOA_W

ClientSampled :

VSTDICC100

Tot Ion: 43 Resp: 475950

Ion Ratio Lower Upper

43 100

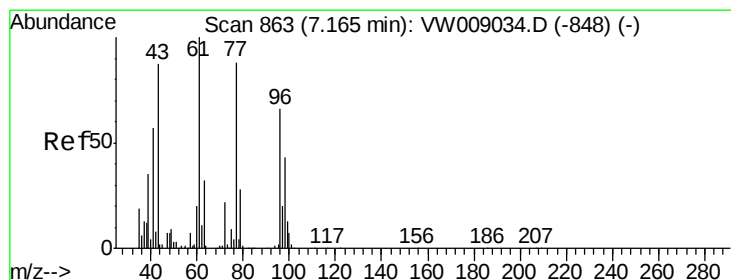
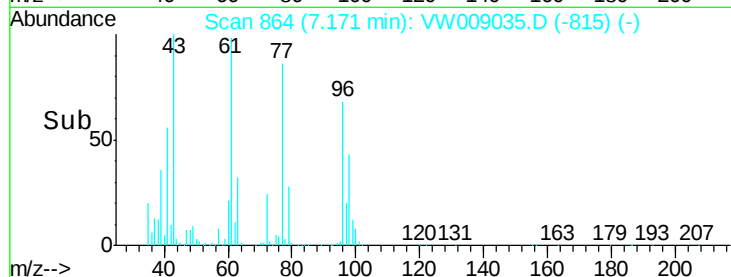
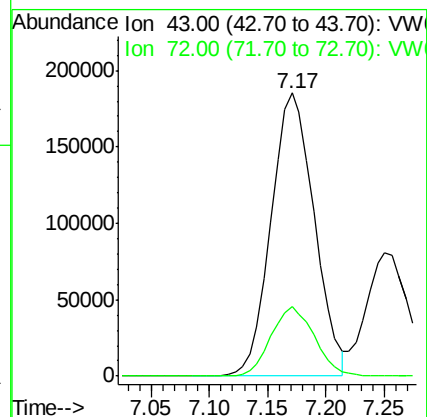
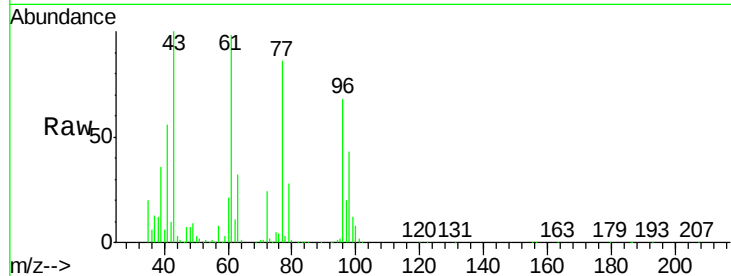
72 24.5 20.0 30.0

Manual Integrations

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MMDadoda

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#26

2,2-Dichloropropane

Concen: 98.954 ug/l

RT: 7.16 min Scan# 863

Delta R.T. -0.00 min

Lab File: VW009035.D

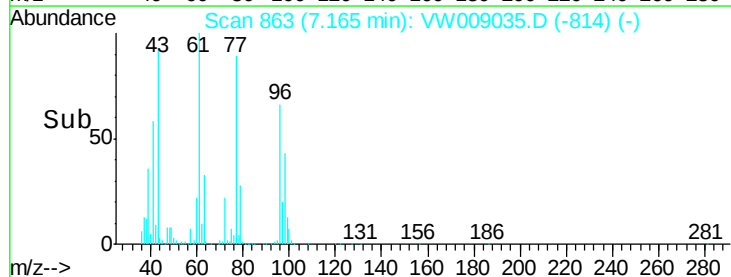
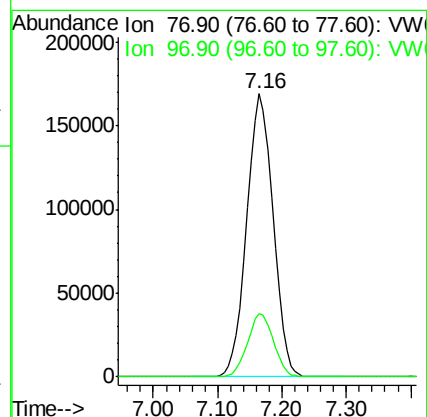
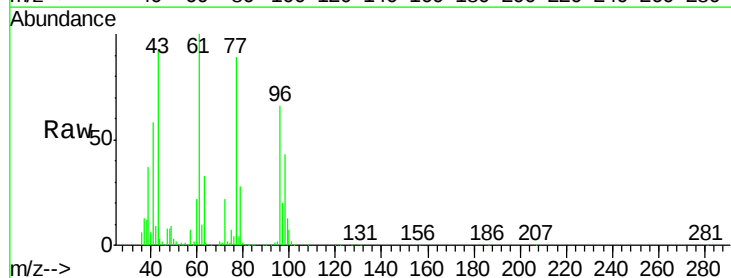
Acq: 07 Mar 2019 12:38

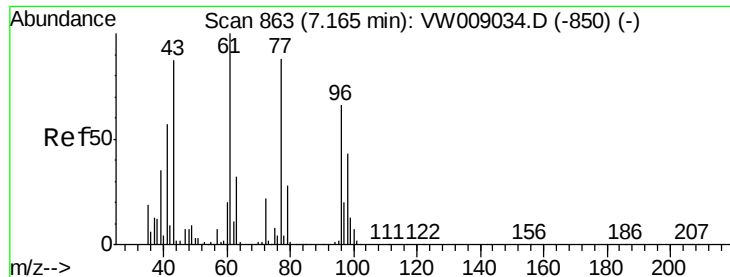
Tgt Ion: 77 Resp: 474919

Ion Ratio Lower Upper

77 100

97 22.0 10.9 32.9





#27

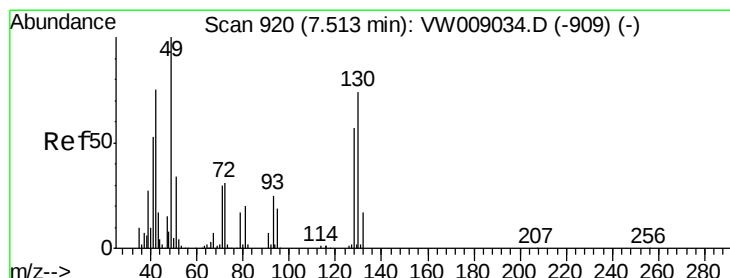
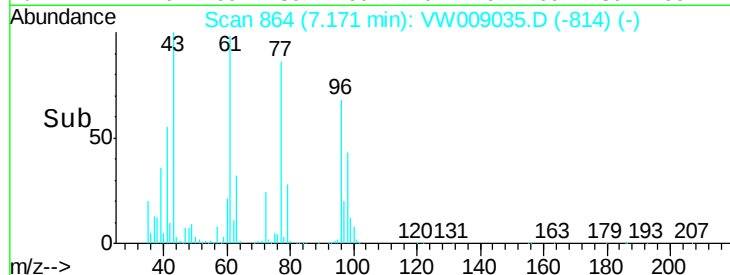
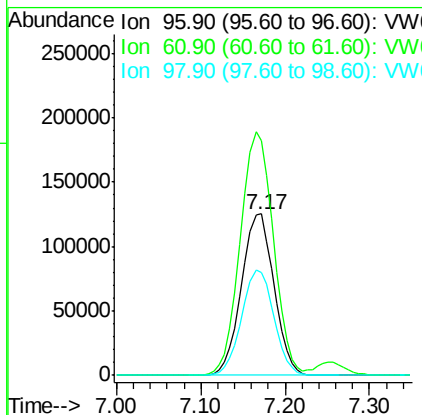
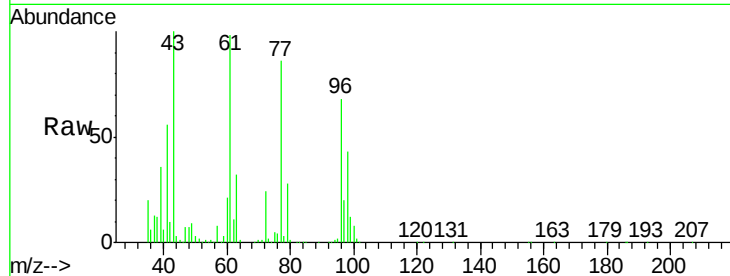
cis-1,2-Dichloroethene
Concen: 102.851 ug/l
RT: 7.17 min Scan# 864
Delta R.T. 0.01 min
Lab File: VW009035.D
Acq: 07 Mar 2019 12:38

Instrument :
MSVOA_W
ClientSampled :
VSTDIC100

Tot Ion	Ion	Ratio	Resp	Lower	Upper
96	100				
61	153.2	0.0	299.8		
98	64.8	0.0	127.2		

Manual Integrations
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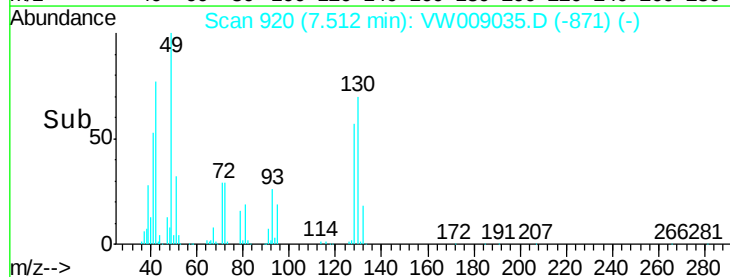
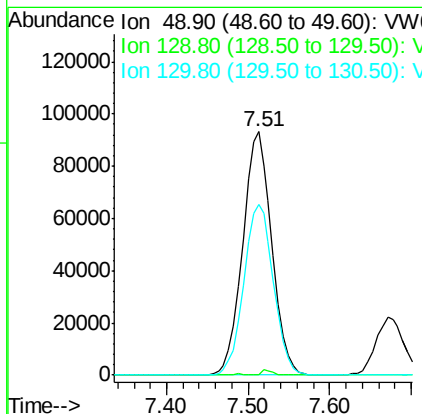
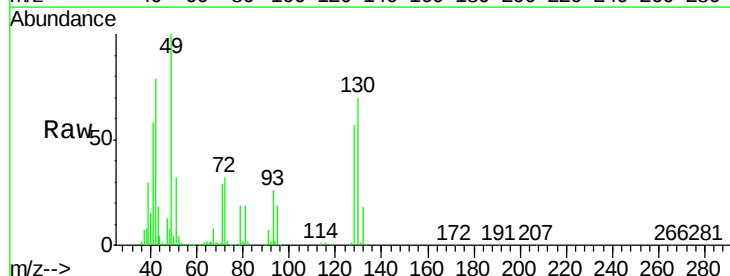
MMDadoda
3/8/2019 12:06:53 PM

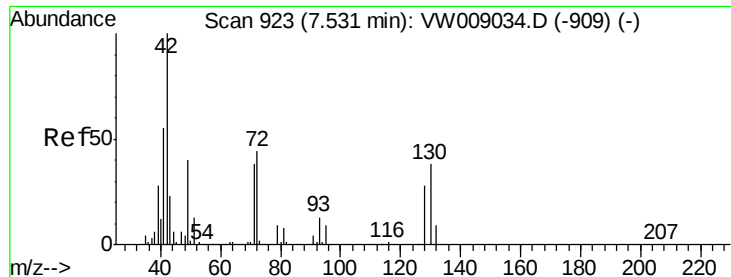


#28

Bromochloromethane
Concen: 105.710 ug/l
RT: 7.51 min Scan# 920
Delta R.T. -0.00 min
Lab File: VW009035.D
Acq: 07 Mar 2019 12:38

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
49	100				
129	0.8	0.0	4.6		
130	71.7	60.4	90.6		





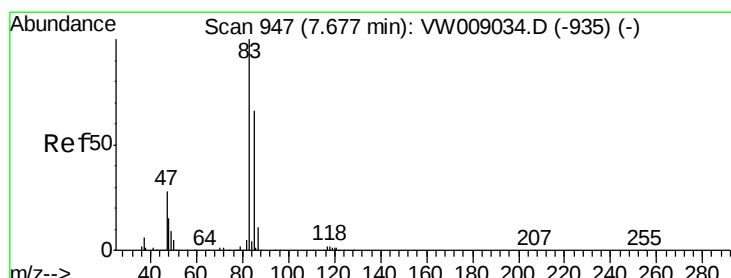
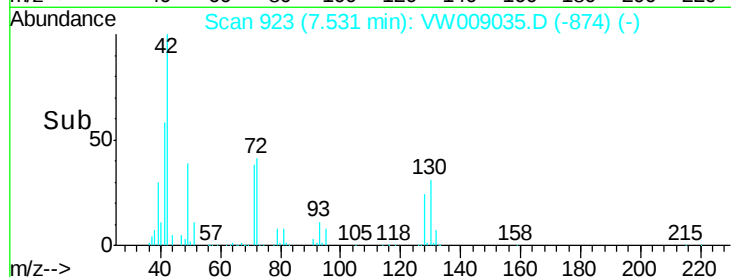
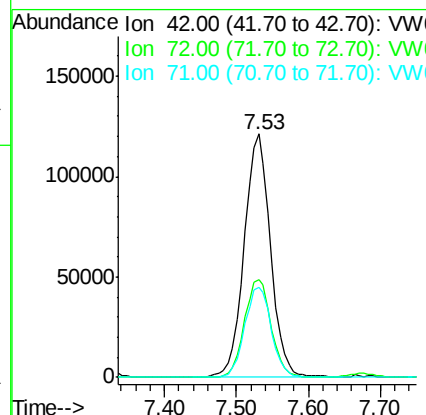
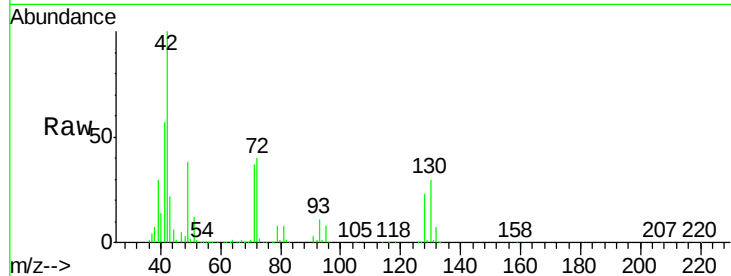
#29
Tetrahydrofuran
Concen: 534.753 ug/l
RT: 7.53 min Scan# 923
Delta R.T. -0.00 min
Lab File: VW009035.D
Acq: 07 Mar 2019 12:38

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Lower	Upper
42	100		
72	40.5	32.2	48.4
71	37.3	30.7	46.1

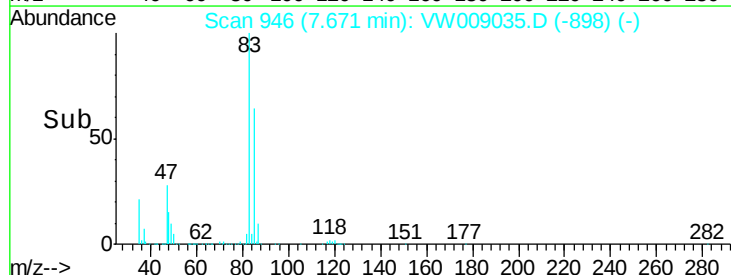
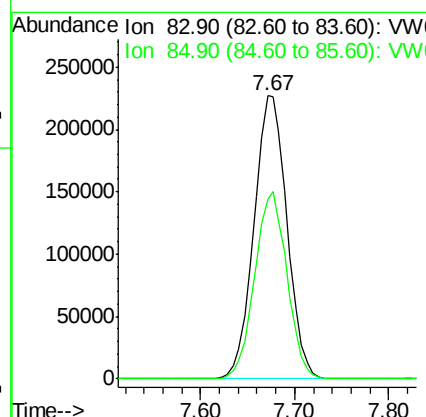
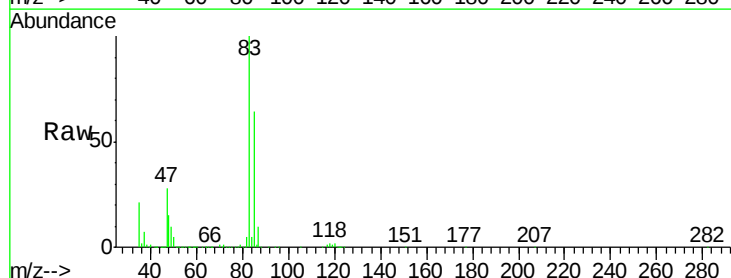
Manual Integrations
APPROVED

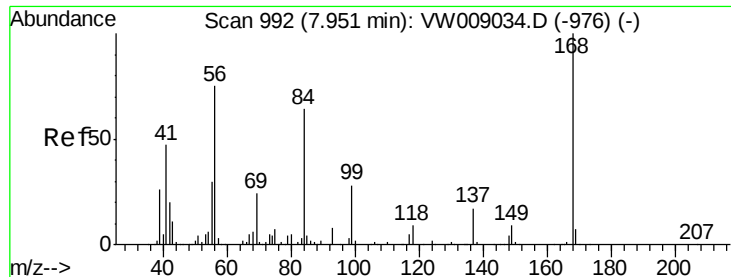
MMDadoda
3/8/2019 12:06:53 PM



#30
Chloroform
Concen: 103.904 ug/l
RT: 7.67 min Scan# 946
Delta R.T. -0.01 min
Lab File: VW009035.D
Acq: 07 Mar 2019 12:38

Tgt Ion	Ratio	Lower	Upper
83	100		
85	63.7	53.0	79.6





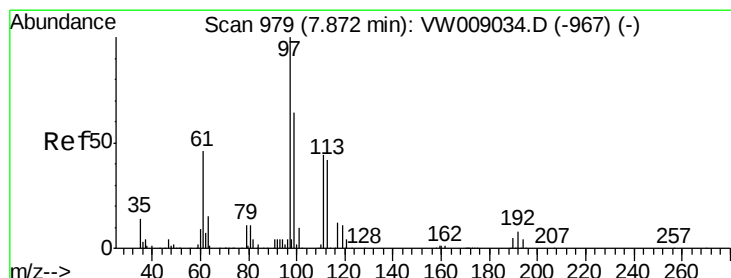
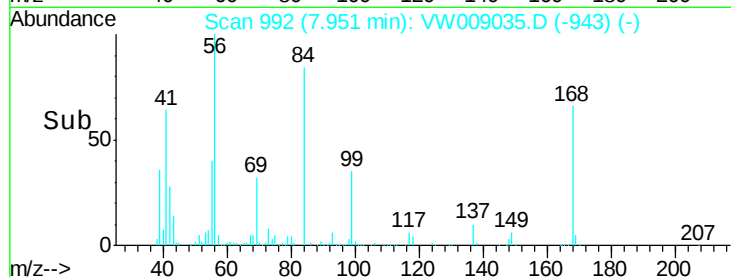
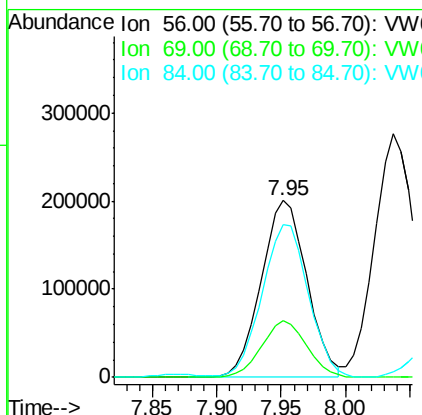
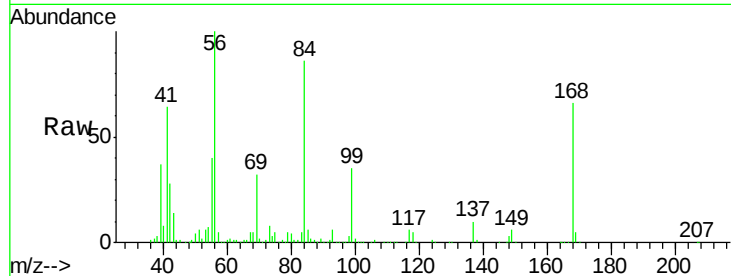
#31
Cyclohexane
Concen: 92.442 ug/l
RT: 7.95 min Scan# 992
Delta R.T. -0.00 min
Lab File: VW009035.D
Acq: 07 Mar 2019 12:38

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Lower	Upper
56	100		
69	31.8	25.5	38.3
84	84.4	68.6	103.0

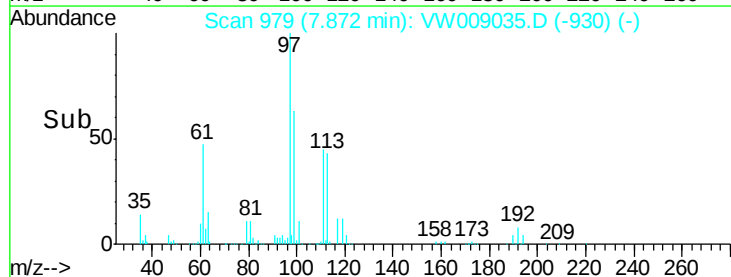
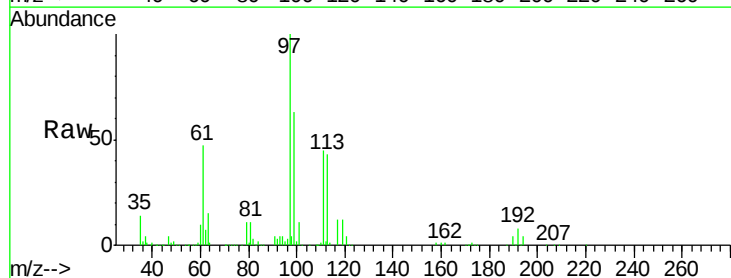
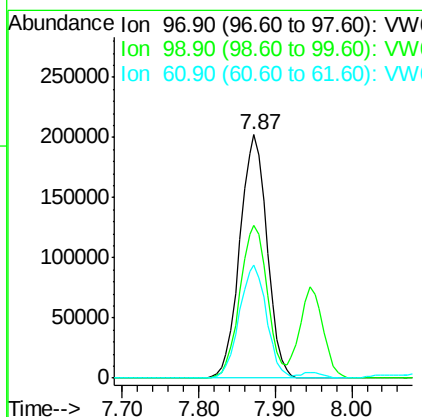
Manual Integrations
APPROVED

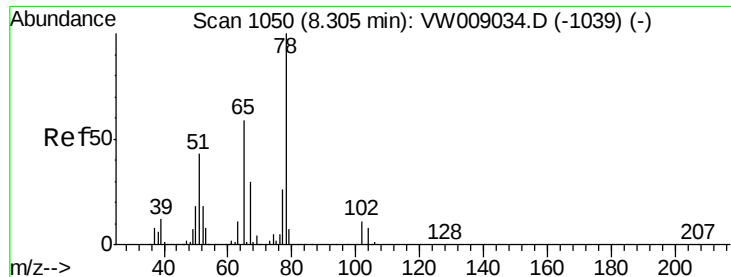
MMDadoda
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#32
1,1,1-Trichloroethane
Concen: 100.700 ug/l
RT: 7.87 min Scan# 979
Delta R.T. -0.00 min
Lab File: VW009035.D
Acq: 07 Mar 2019 12:38

Tgt Ion	Ratio	Lower	Upper
97	100		
99	64.0	51.8	77.8
61	46.7	37.3	55.9





#33

1,2-Dichloroethane-d4

Concen: 100.745 ug/l

RT: 8.30 min Scan# 1050

Delta R.T. -0.00 min

Lab File: VW009035.D

Acq: 07 Mar 2019 12:38

Instrument :

MSVOA_W

ClientSampled :

VSTDIC100

Tot Ion: 65 Resp: 297894

Ion Ratio Lower Upper

65 100

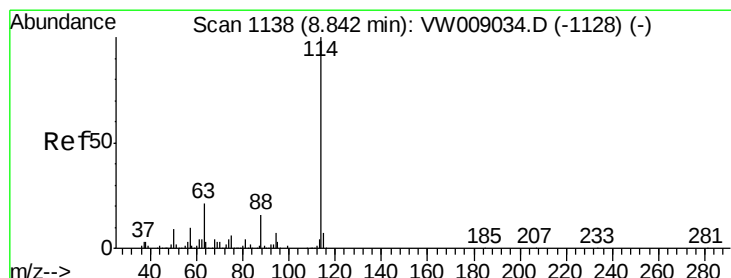
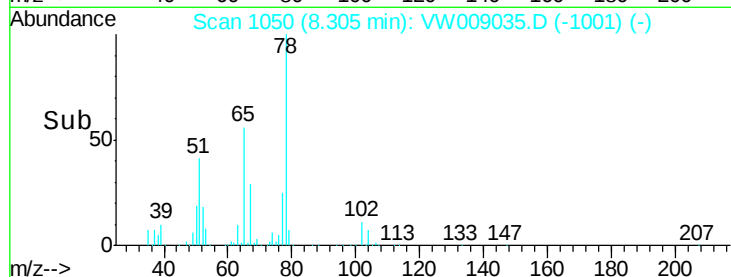
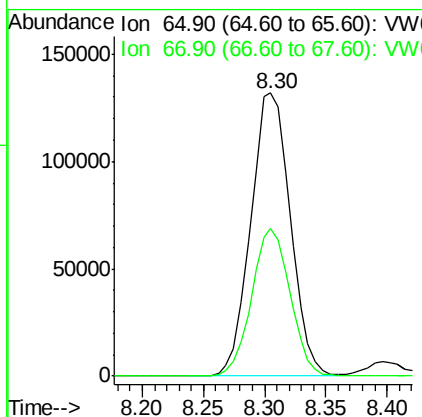
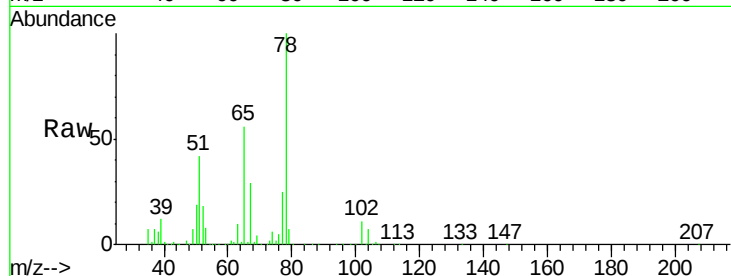
67 50.7 0.0 103.0

Manual Integrations

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3/8/2019 12:06:53 PM



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.84 min Scan# 1138

Delta R.T. -0.00 min

Lab File: VW009035.D

Acq: 07 Mar 2019 12:38

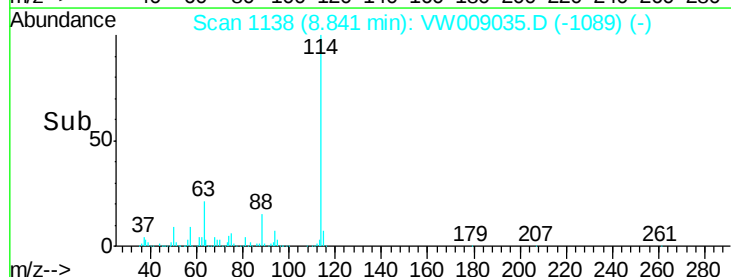
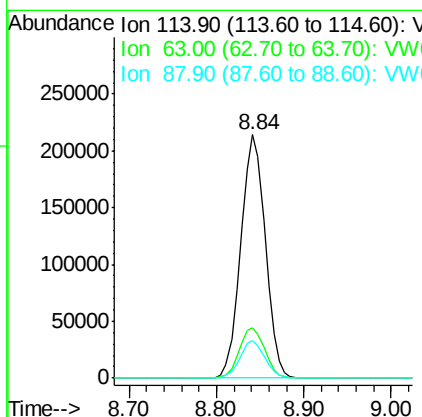
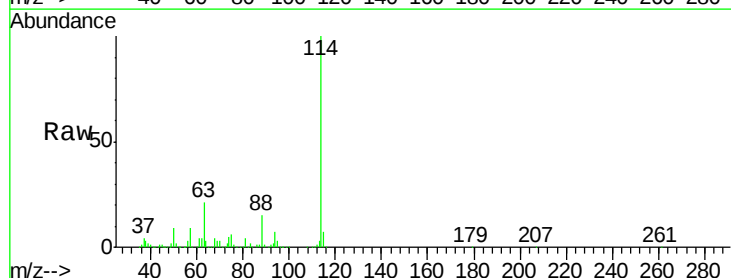
Tgt Ion: 114 Resp: 416364

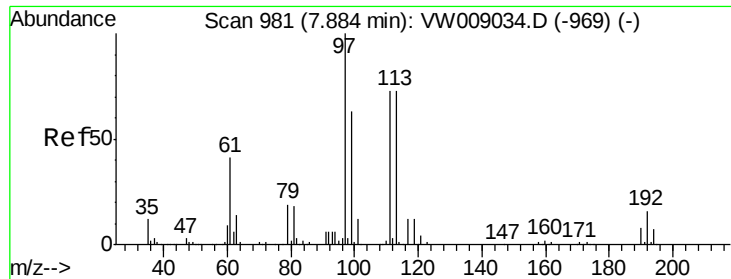
Ion Ratio Lower Upper

114 100

63 20.8 0.0 41.2

88 15.4 0.0 31.2





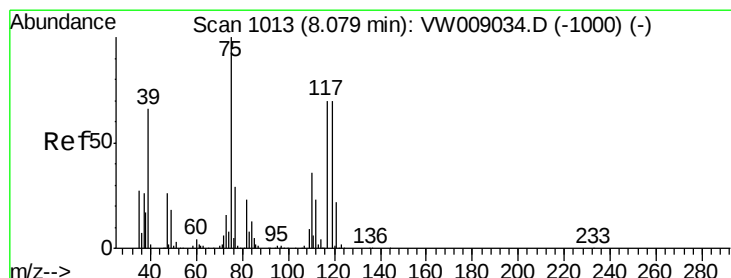
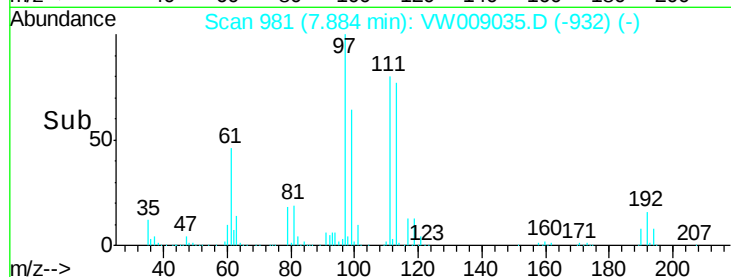
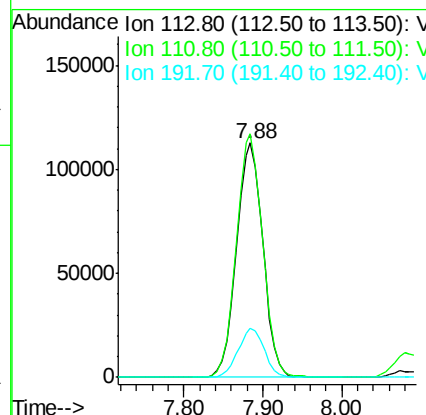
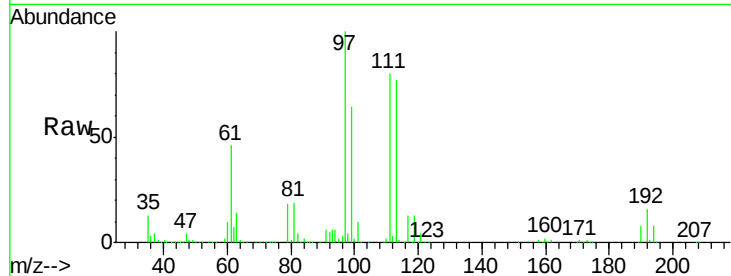
#35
 Dibromofluoromethane
 Concen: 104.465 ug/l
 RT: 7.88 min Scan# 981
 Delta R.T. -0.00 min
 Lab File: VW009035.D
 Acq: 07 Mar 2019 12:38

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC100

Tot Ion	Ratio	Resp	Lower	Upper
113	100	262330		
111	103.2	81.0	121.4	
192	20.8	17.1	25.7	

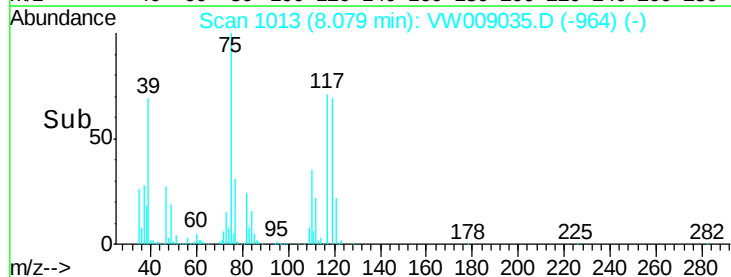
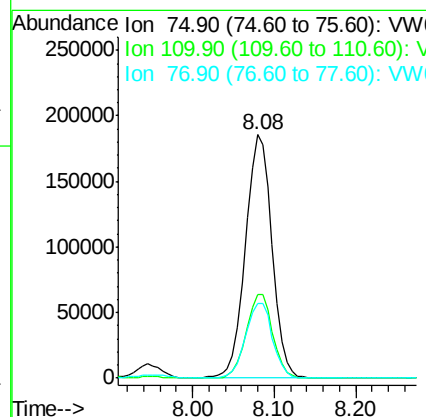
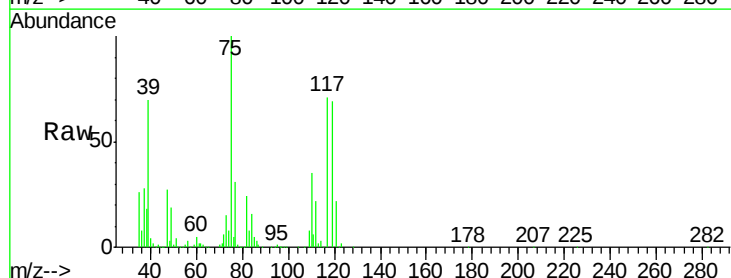
Manual Integrations
 APPROVED

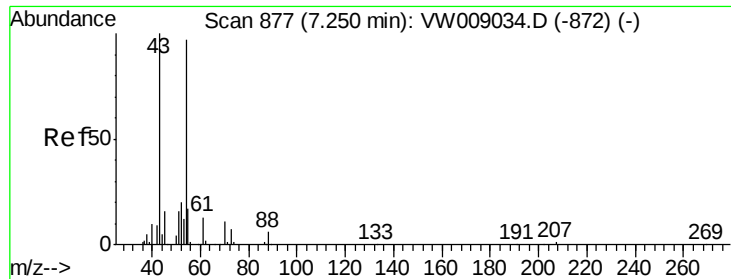
MMDadoda
 3/8/2019 12:06:53 PM



#36
 1,1-Dichloropropene
 Concen: 97.142 ug/l
 RT: 8.08 min Scan# 1013
 Delta R.T. -0.00 min
 Lab File: VW009035.D
 Acq: 07 Mar 2019 12:38

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	418492		
110	34.5	17.6	52.9	
77	31.5	25.1	37.7	





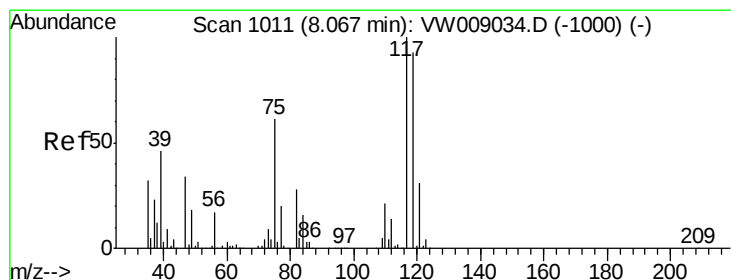
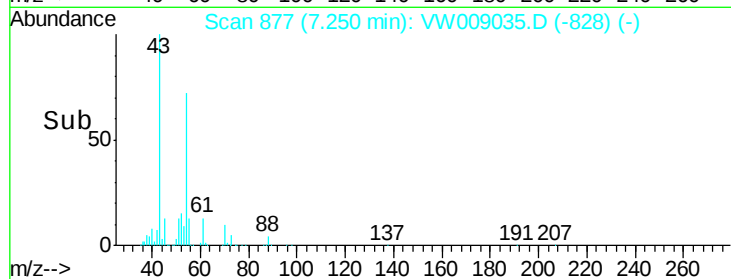
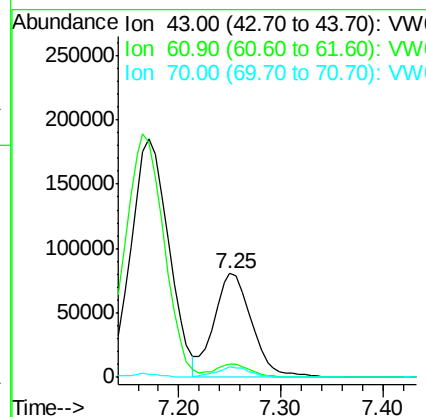
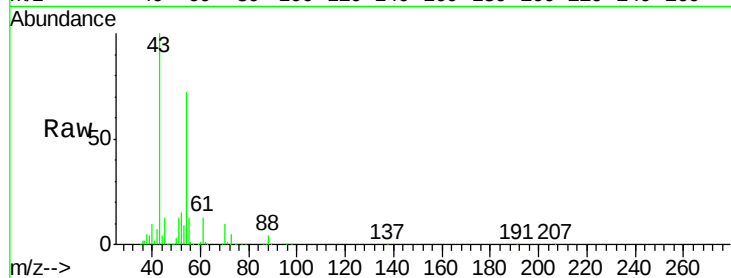
#37
Ethyl Acetate
Concen: 103.218 ug/l
RT: 7.25 min Scan# 877
Delta R.T. -0.00 min
Lab File: VW009035.D
Acq: 07 Mar 2019 12:38

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Resp	Lower	Upper
43	100	208908		
61	11.8		9.8	14.6
70	9.3		7.2	10.8

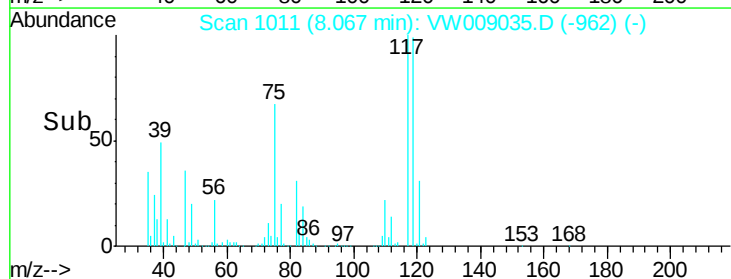
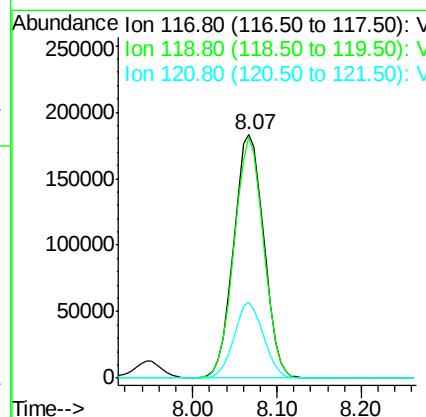
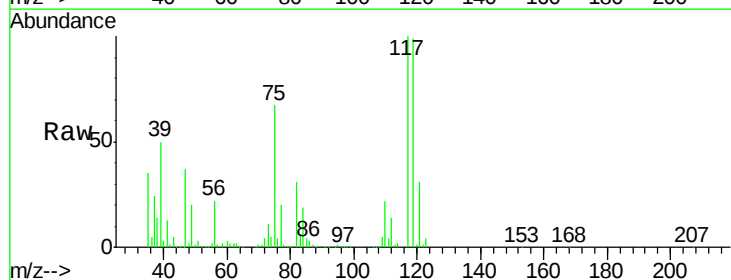
Manual Integrations
APPROVED

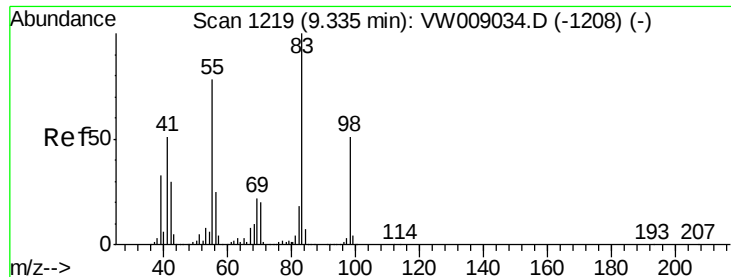
MMDadoda
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#38
Carbon Tetrachloride
Concen: 99.327 ug/l
RT: 8.07 min Scan# 1011
Delta R.T. -0.00 min
Lab File: VW009035.D
Acq: 07 Mar 2019 12:38

Tgt Ion	Ratio	Resp	Lower	Upper
117	100	443472		
119	98.8		74.6	112.0
121	31.1		24.7	37.1





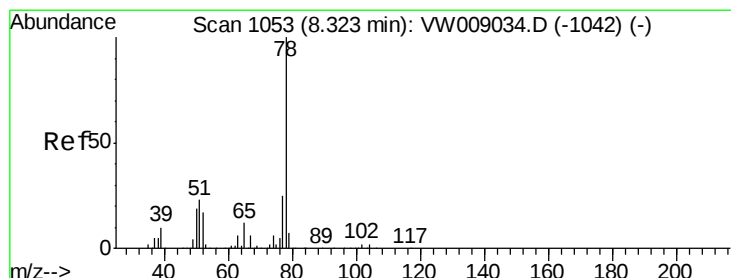
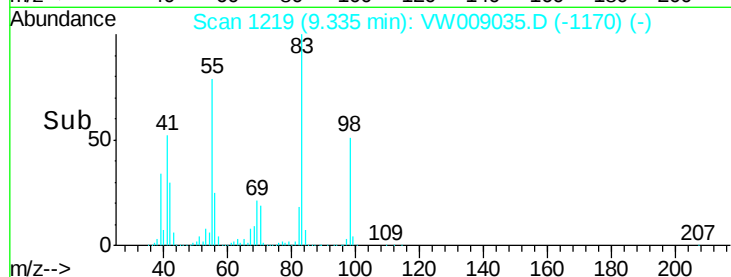
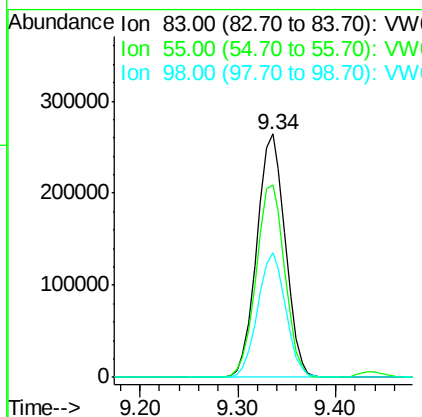
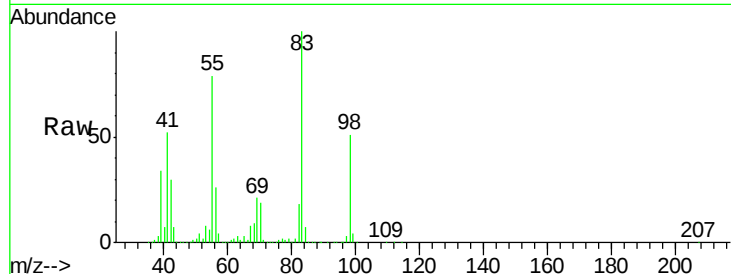
#39
Methvlcvclohexane
Concen: 103.308 ug/l
RT: 9.34 min Scan# 1219
Delta R.T. -0.00 min
Lab File: VW009035.D
Acq: 07 Mar 2019 12:38

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Lower	Upper
83	100		
55	79.1	62.7	94.1
98	51.1	40.8	61.2

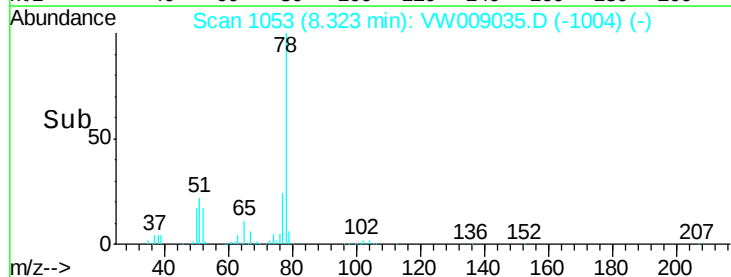
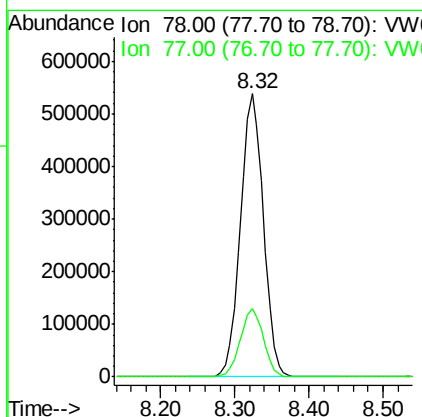
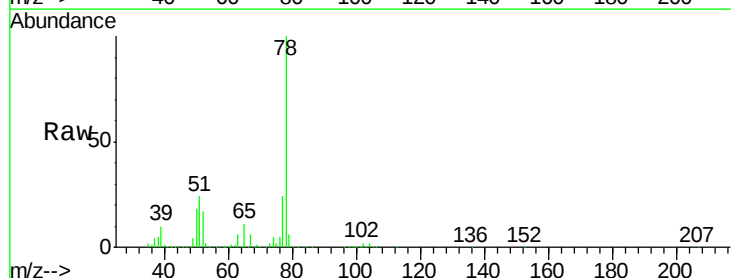
Manual Integrations
APPROVED

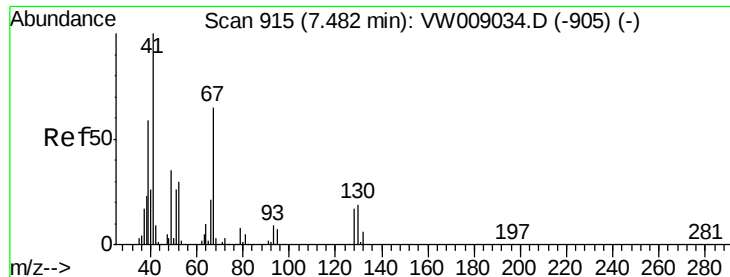
MMDadoda
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#40
Benzene
Concen: 101.541 ug/l
RT: 8.32 min Scan# 1053
Delta R.T. -0.00 min
Lab File: VW009035.D
Acq: 07 Mar 2019 12:38

Tgt Ion	Ratio	Lower	Upper
78	100		
77	24.0	20.2	30.4





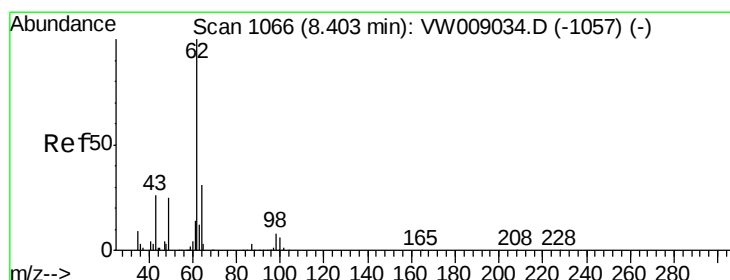
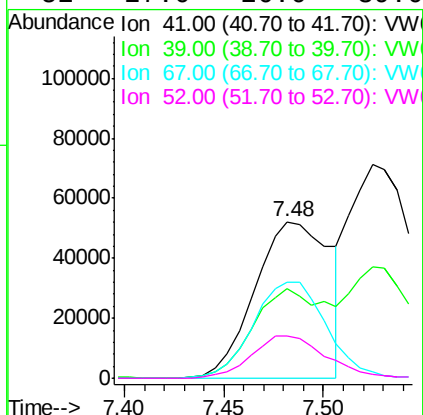
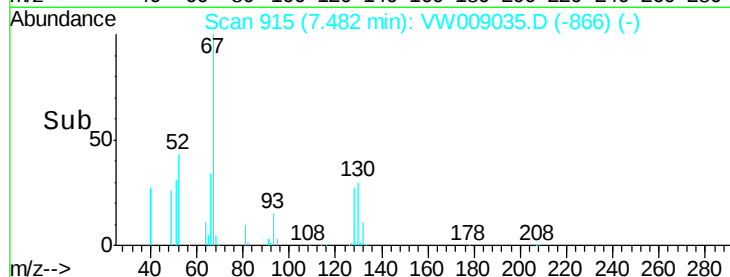
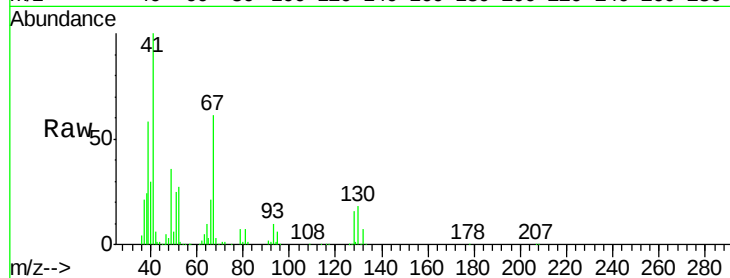
#41
Methacrylonitrile
Concen: 129.598 ug/l m
RT: 7.48 min Scan# 915
Delta R.T. -0.00 min
Lab File: VW009035.D
Acq: 07 Mar 2019 12:38

Instrument :
MSVOA_W
ClientSampled :
VSTDIC100

Tot Ion	41	Resp	138228
Ion	Ratio	Lower	Upper
41	100		
39	56.7	53.6	80.4
67	59.9	57.6	86.4
52	27.0	26.0	39.0

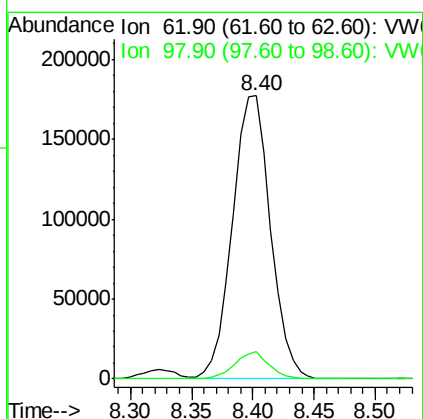
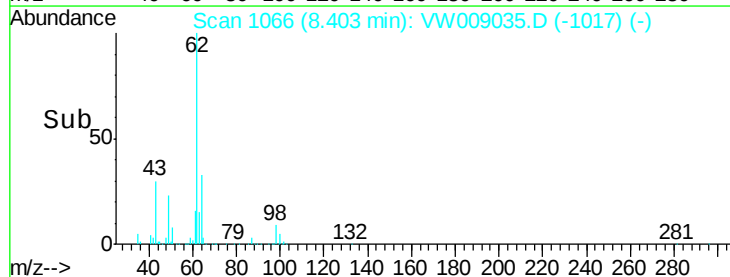
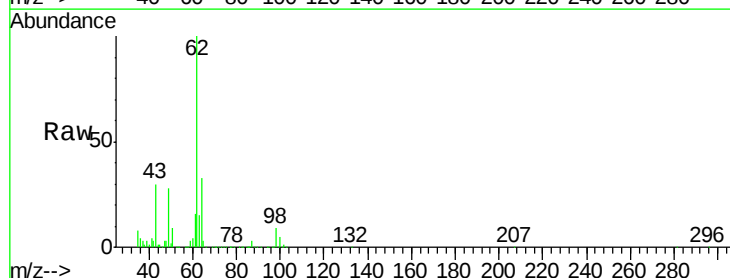
Manual Integrations
APPROVED

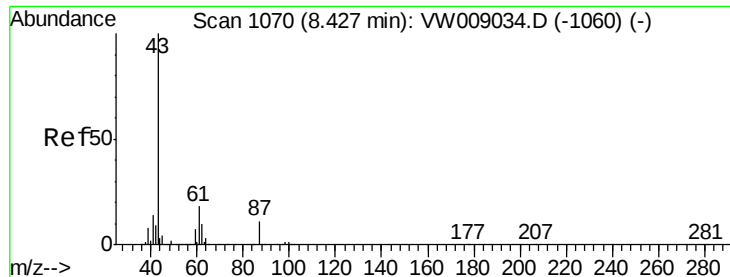
MMDadoda
3/8/2019 12:06:53 PM



#42
1,2-Dichloroethane
Concen: 102.407 ug/l
RT: 8.40 min Scan# 1066
Delta R.T. -0.00 min
Lab File: VW009035.D
Acq: 07 Mar 2019 12:38

Tgt Ion	62	Resp	382267
Ion	Ratio	Lower	Upper
62	100		
98	8.8	0.0	17.6





#43

Isopropyl Acetate

Concen: 107.186 ug/l

RT: 8.42 min Scan# 1069

Delta R.T. -0.01 min

Lab File: VW009035.D

Acq: 07 Mar 2019 12:38

Instrument :

MSVOA_W

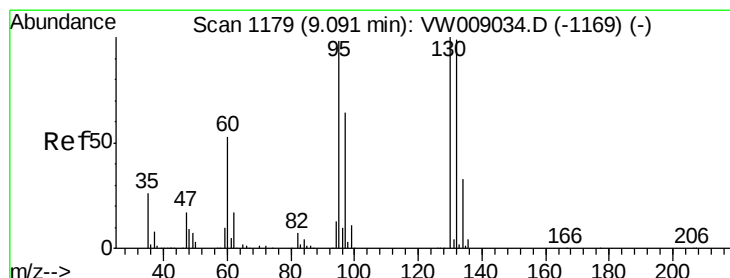
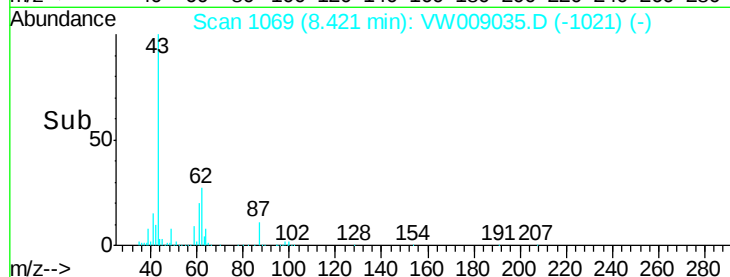
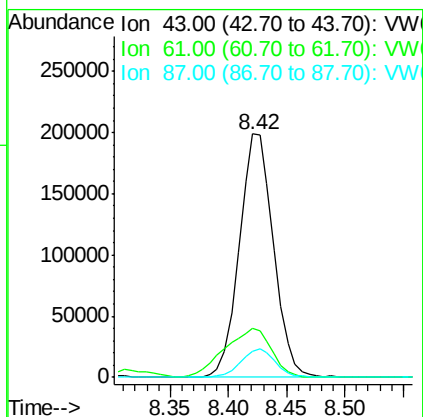
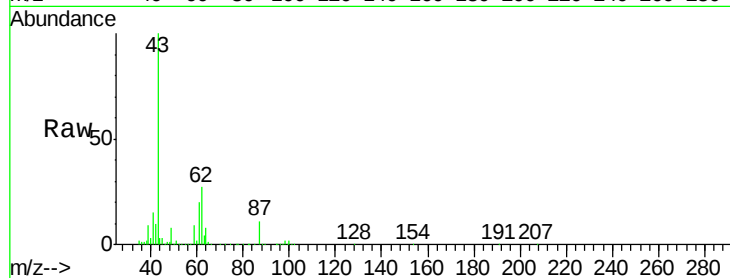
ClientSampled :

VSTDIC100

Tot Ion:	43	Resp:	405798
Ion	Ratio	Lower	Upper
43	100		
61	27.4	22.8	34.2
87	11.7	9.4	14.2

Manual Integrations
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#44

Trichloroethene

Concen: 97.095 ug/l

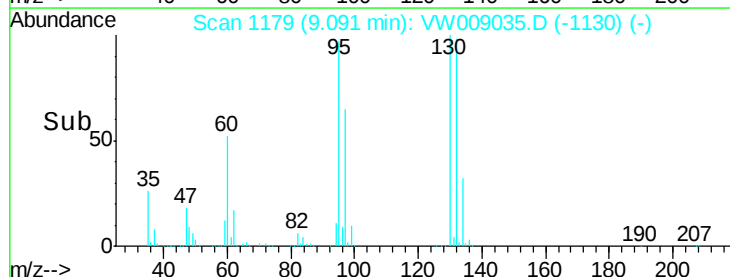
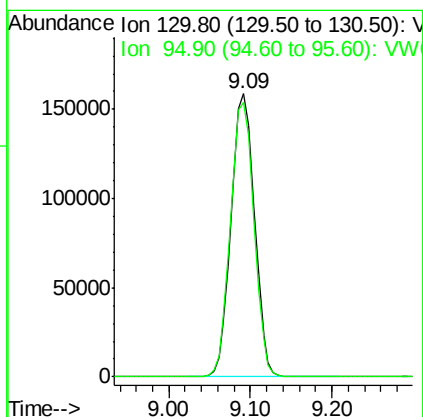
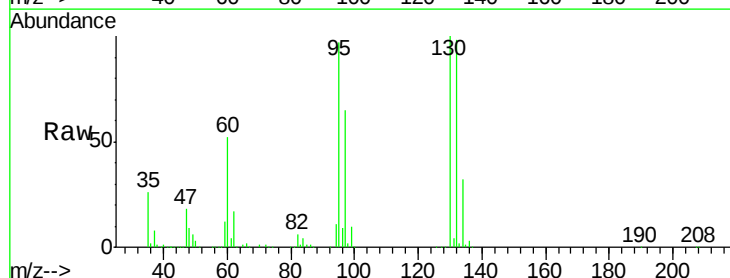
RT: 9.09 min Scan# 1179

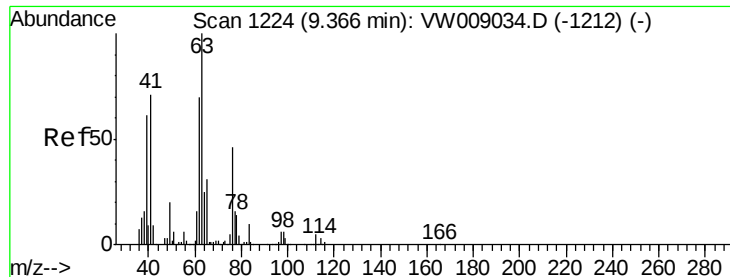
Delta R.T. -0.00 min

Lab File: VW009035.D

Acq: 07 Mar 2019 12:38

Tgt Ion:	130	Resp:	312696
Ion	Ratio	Lower	Upper
130	100		
95	96.8	0.0	197.0





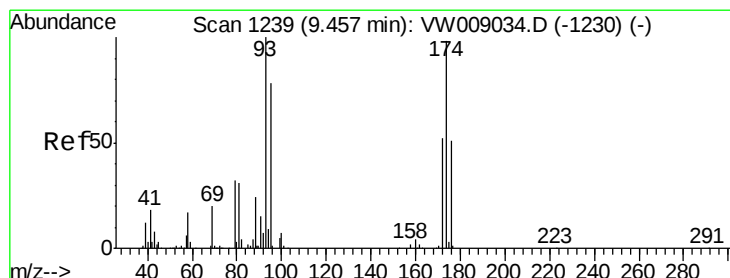
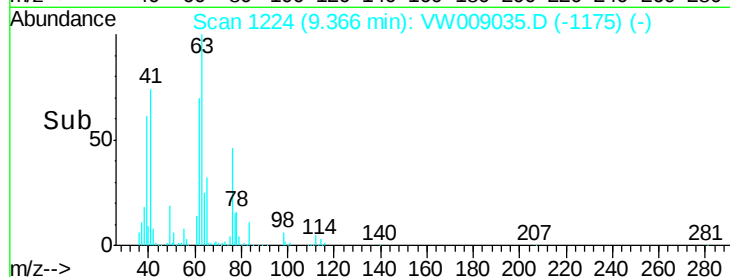
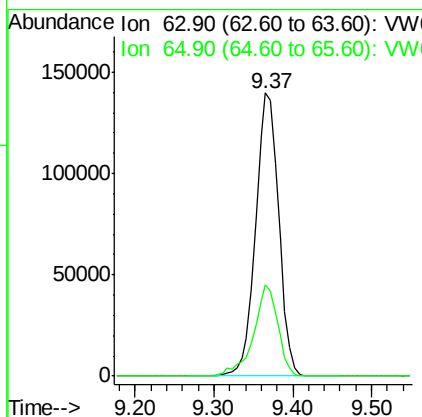
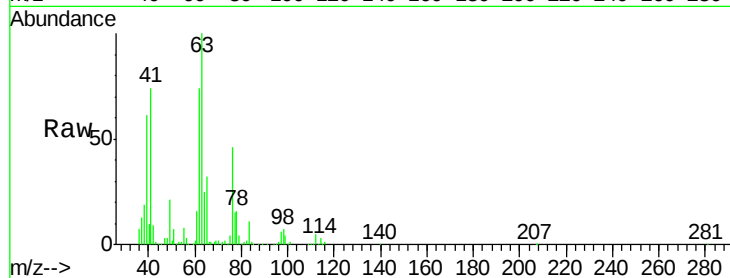
#45
 1,2-Dichloropropane
 Concen: 99.765 ug/l
 RT: 9.37 min Scan# 1224
 Delta R.T. -0.00 min
 Lab File: VW009035.D
 Acq: 07 Mar 2019 12:38

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC100

Tot Ion	Ratio	Lower	Upper
63	100		
65	32.2	24.9	37.3

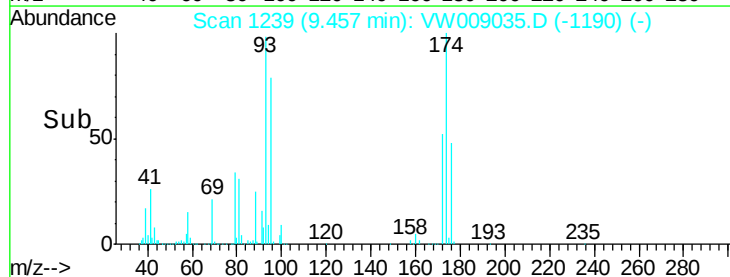
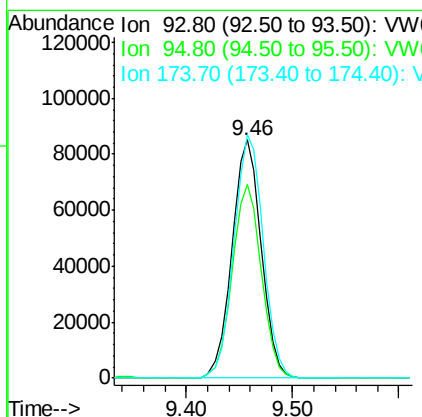
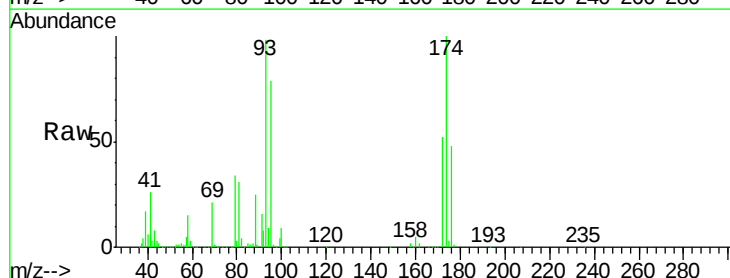
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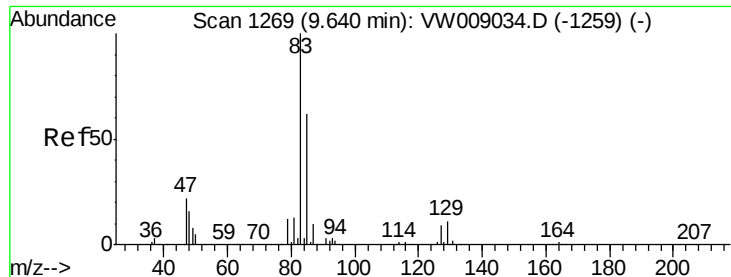
MMDadoda
 3/8/2019 12:06:53 PM



#46
 Dibromomethane
 Concen: 103.529 ug/l
 RT: 9.46 min Scan# 1239
 Delta R.T. -0.00 min
 Lab File: VW009035.D
 Acq: 07 Mar 2019 12:38

Tgt Ion	Ratio	Lower	Upper
93	100		
95	81.2	65.0	97.6
174	102.7	81.8	122.6





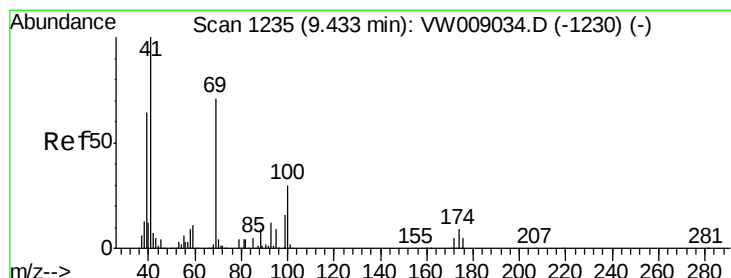
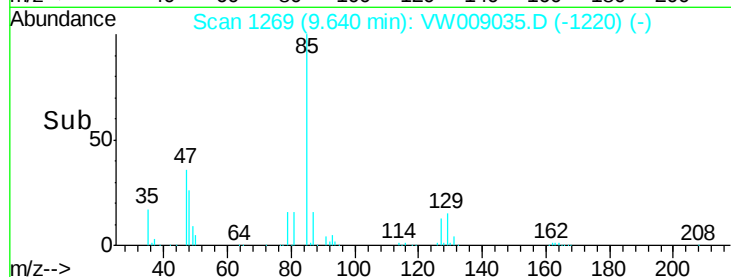
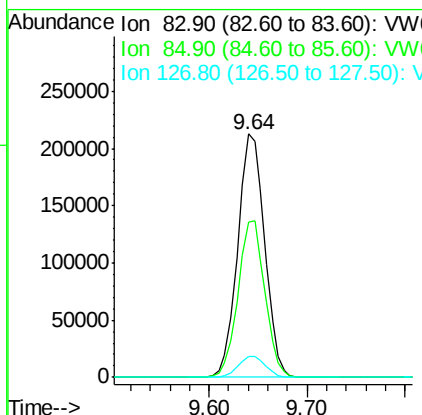
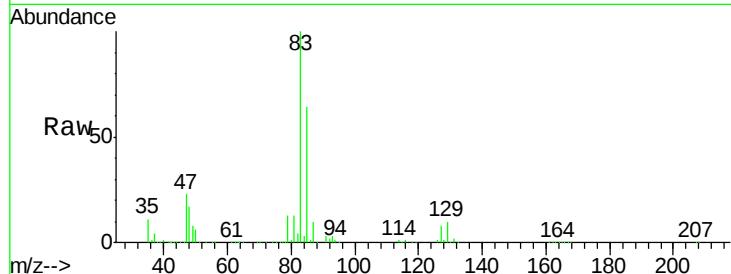
#47
Bromodichloromethane
Concen: 101.827 ug/l
RT: 9.64 min Scan# 1269
Delta R.T. -0.00 min
Lab File: VW009035.D
Acq: 07 Mar 2019 12:38

Instrument :
MSVOA_W
ClientSampled :
VSTDIC100

Tot Ion	Ratio	Resp	Lower	Upper
83	100	406207		
85	63.7	49.9	74.9	
127	8.3	7.1	10.7	

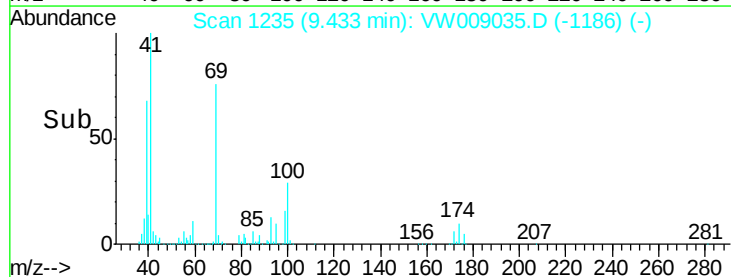
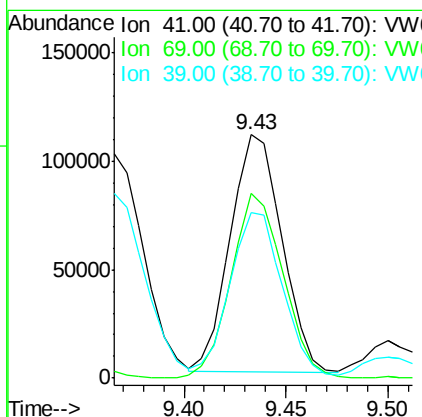
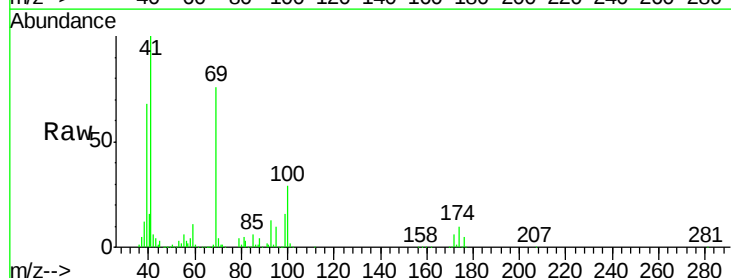
Manual Integrations
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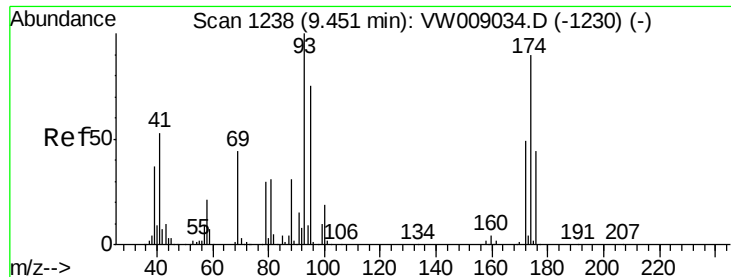
MMDadoda
3/8/2019 12:06:53 PM



#48
Methyl methacrylate
Concen: 107.693 ug/l
RT: 9.43 min Scan# 1235
Delta R.T. -0.00 min
Lab File: VW009035.D
Acq: 07 Mar 2019 12:38

Tgt Ion	Ratio	Resp	Lower	Upper
41	100	192253		
69	79.3	59.1	88.7	
39	69.3	48.9	73.3	





#49

1,4-Dioxane

Concen: 1900.555 ug/l

RT: 9.46 min Scan# 1239

Delta R.T. 0.01 min

Lab File: VW009035.D

Acq: 07 Mar 2019 12:38

Instrument :

MSVOA_W

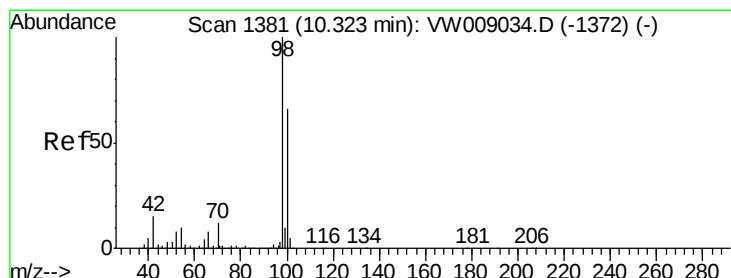
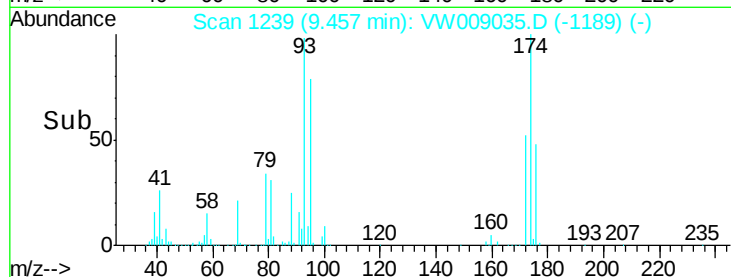
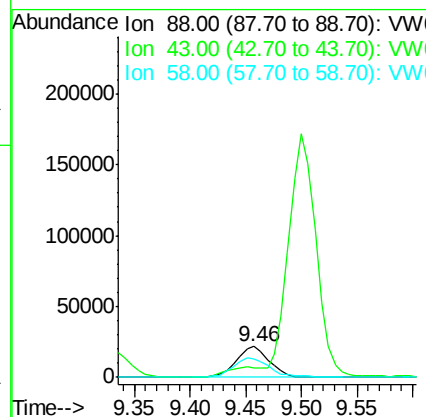
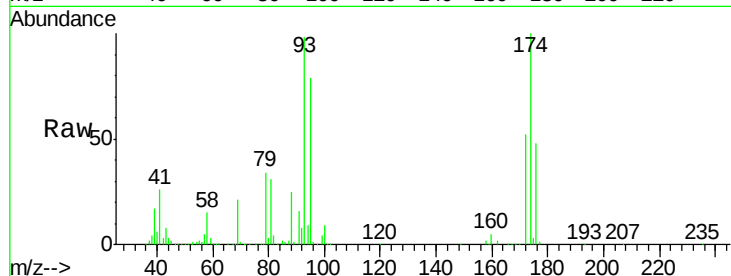
ClientSampleId :

VSTDIC100

Tot Ion:	88	Resp:	44160
Ion	Ratio	Lower	Upper
88	100		
43	34.3	29.0	43.4
58	71.4	59.2	88.8

Manual Integrations
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#50

Toluene-d8

Concen: 101.090 ug/l

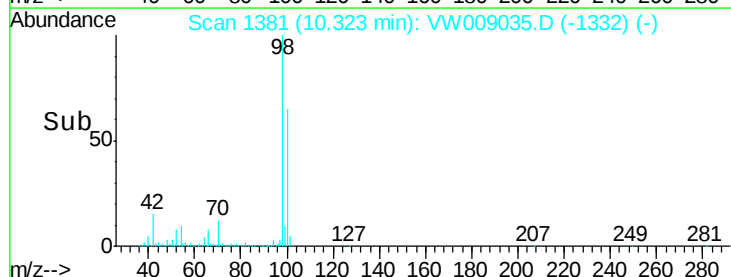
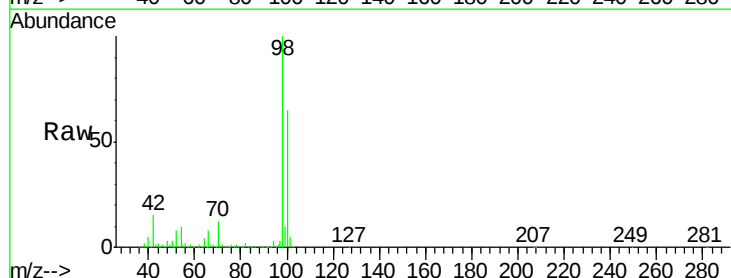
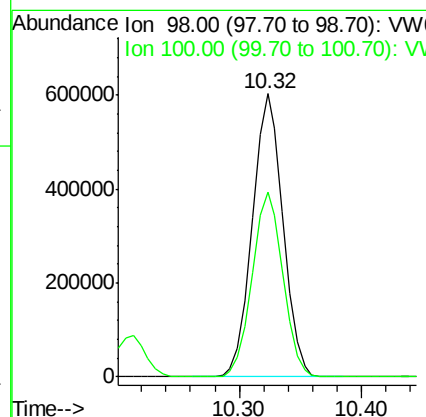
RT: 10.32 min Scan# 1381

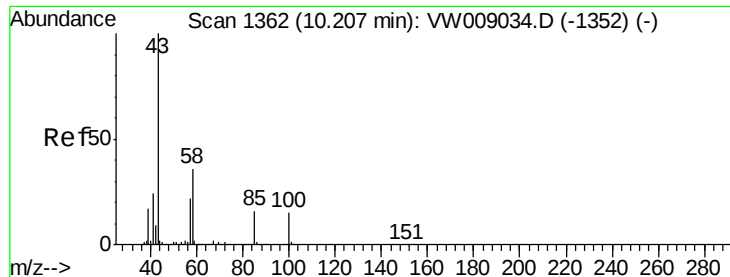
Delta R.T. -0.00 min

Lab File: VW009035.D

Acq: 07 Mar 2019 12:38

Tgt Ion:	98	Resp:	1049828
Ion	Ratio	Lower	Upper
98	100		
100	65.5	51.9	77.9





#51

4-Methyl-2-Pentanone

Concen: 541.625 ug/l

RT: 10.21 min Scan# 1362

Delta R.T. -0.00 min

Lab File: VW009035.D

Acq: 07 Mar 2019 12:38

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC100

Tot Ion: 43 Resp: 1045132

Ion Ratio Lower Upper

43 100

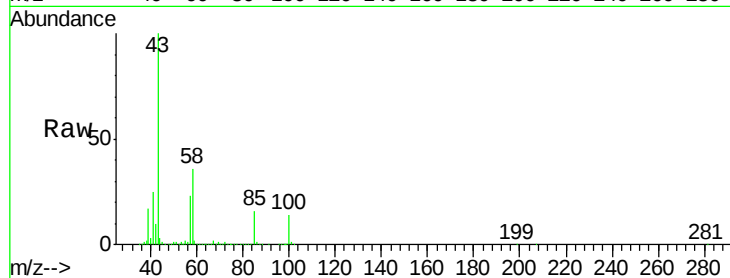
58 35.9 28.8 43.2

Manual Integrations

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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

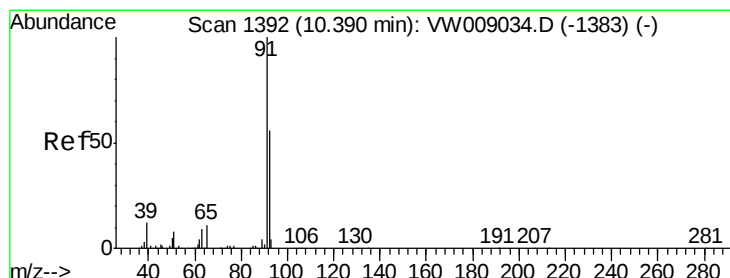
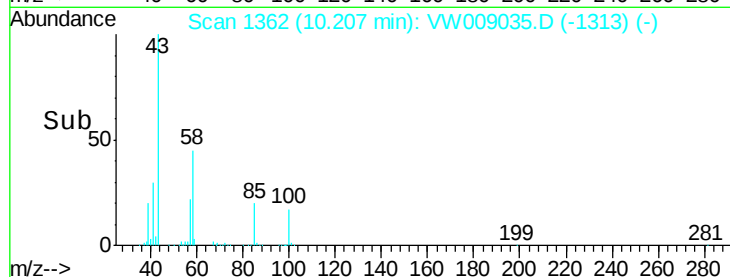
600000

400000

200000

0

Time-->



#52

Toluene

Concen: 103.055 ug/l

RT: 10.39 min Scan# 1392

Delta R.T. -0.00 min

Lab File: VW009035.D

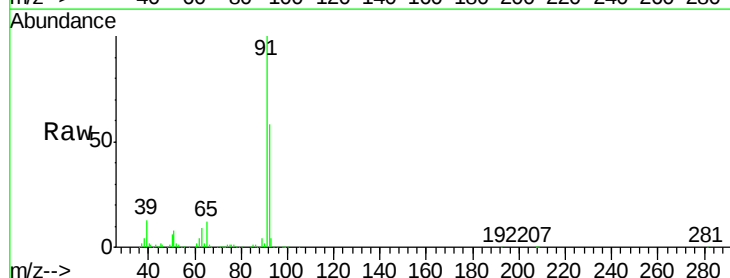
Acq: 07 Mar 2019 12:38

Tgt Ion: 92 Resp: 805153

Ion Ratio Lower Upper

92 100

91 171.1 139.9 209.9



Abundance Ion 92.00 (91.70 to 92.70): VW

Ion 91.00 (90.70 to 91.70): VW

800000

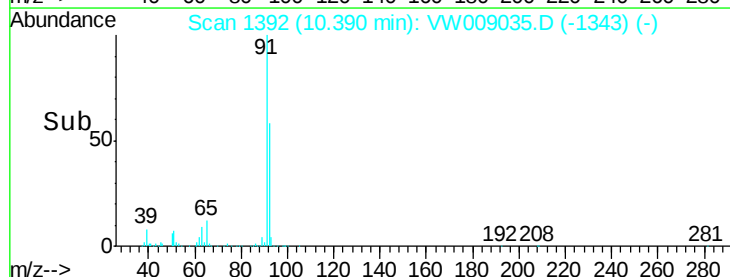
600000

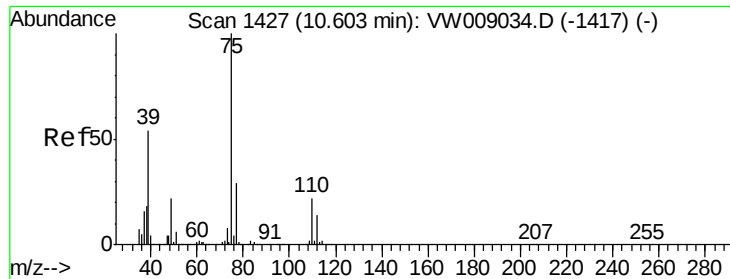
400000

200000

0

Time-->





#53

t-1,3-Dichloropropene

Concen: 105.859 ug/l

RT: 10.60 min Scan# 1427

Delta R.T. -0.00 min

Lab File: VW009035.D

Acq: 07 Mar 2019 12:38

Instrument :

MSVOA_W

ClientSampled :

VSTDIC100

Tot Ion: 75 Resp: 419938

Ion Ratio Lower Upper

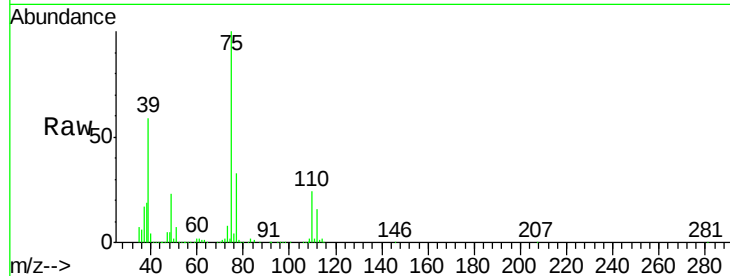
75 100

77 33.0 23.6 35.4

Manual Integrations
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MMDadoda

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Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 76.90 (76.60 to 77.60): VW

10.60

250000

200000

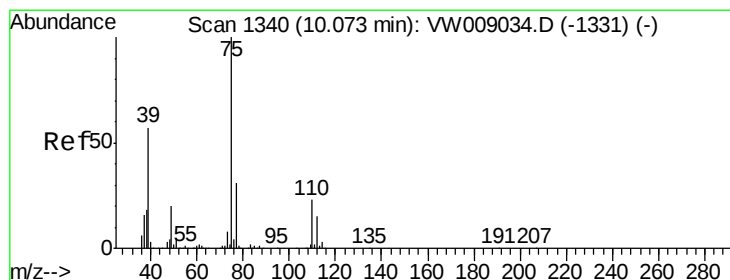
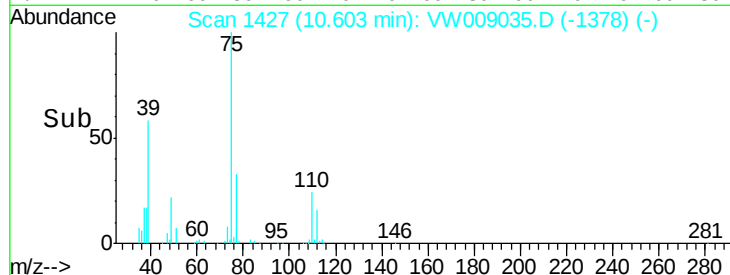
150000

100000

50000

0

Time-->



#54

cis-1,3-Dichloropropene

Concen: 104.296 ug/l

RT: 10.07 min Scan# 1340

Delta R.T. -0.00 min

Lab File: VW009035.D

Acq: 07 Mar 2019 12:38

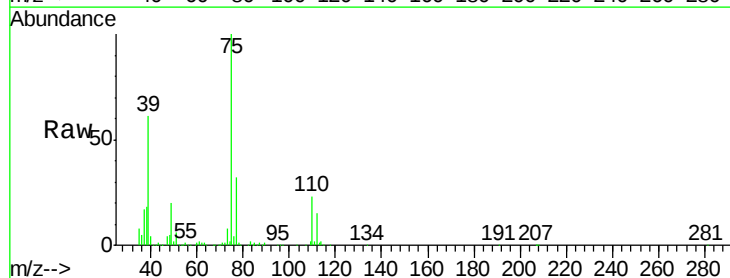
Tgt Ion: 75 Resp: 472070

Ion Ratio Lower Upper

75 100

77 31.5 24.6 36.8

39 61.3 45.9 68.9



Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 76.90 (76.60 to 77.60): VW

Ion 39.00 (38.70 to 39.70): VW

10.07

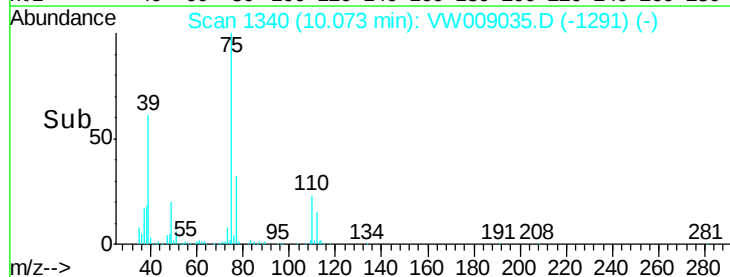
300000

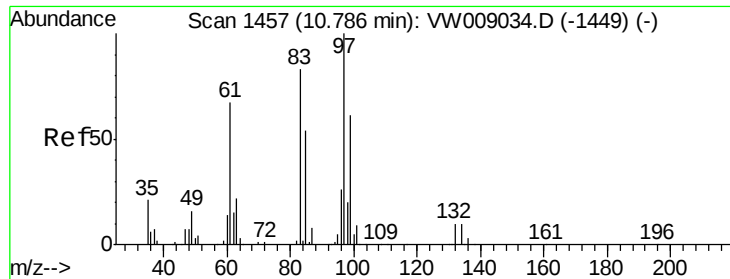
200000

100000

0

Time-->





#55

1,1,2-Trichloroethane

Concen: 101.080 ug/l

RT: 10.79 min Scan# 1457

Delta R.T. -0.00 min

Lab File: VW009035.D

Acq: 07 Mar 2019 12:38

Instrument :

MSVOA_W

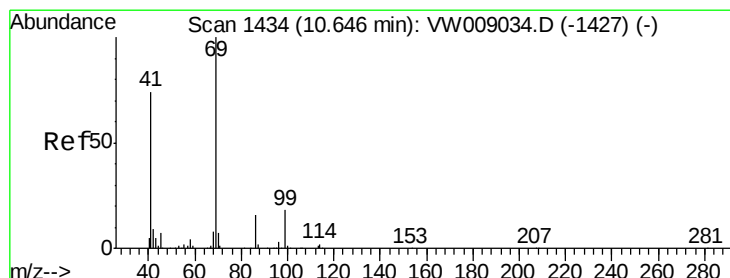
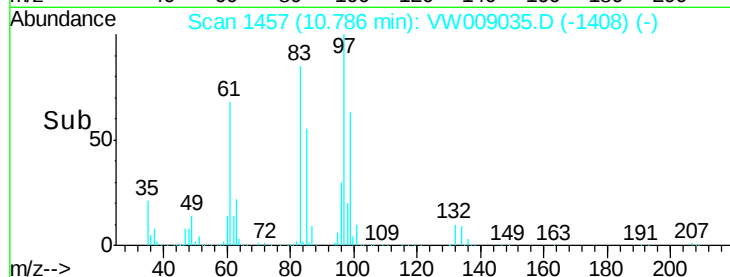
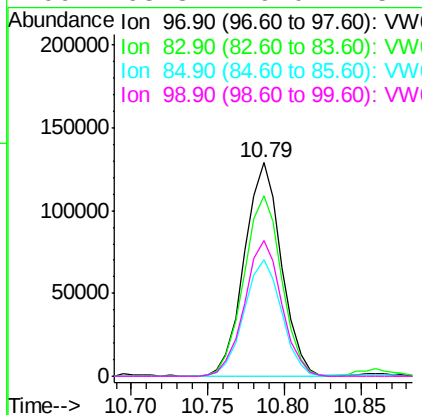
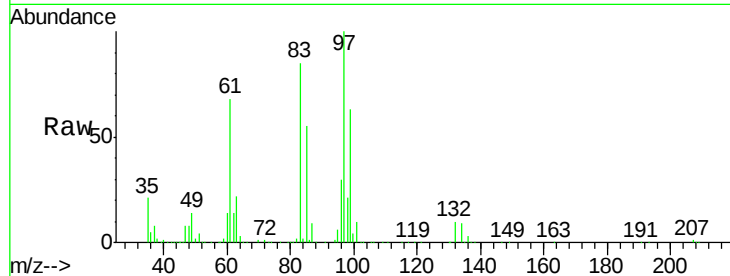
ClientSampleId :

VSTDICC100

Tot Ion:	97	Resp:	216787
Ion	Ratio	Lower	Upper
97	100		
83	84.5	66.2	99.2
85	54.7	43.6	65.4
99	63.3	49.0	73.4

Manual Integrations
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3/8/2019 12:06:53 PM



#56

Ethyl methacrylate

Concen: 111.489 ug/l

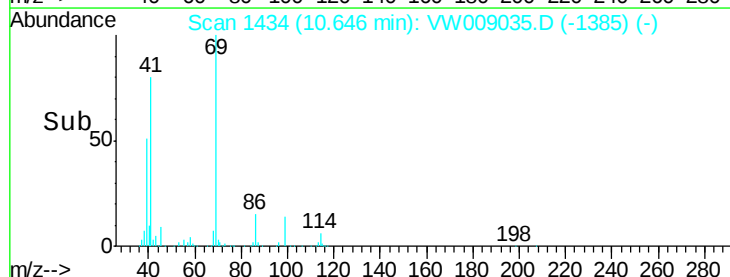
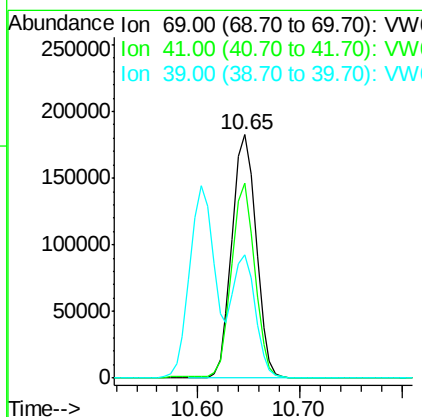
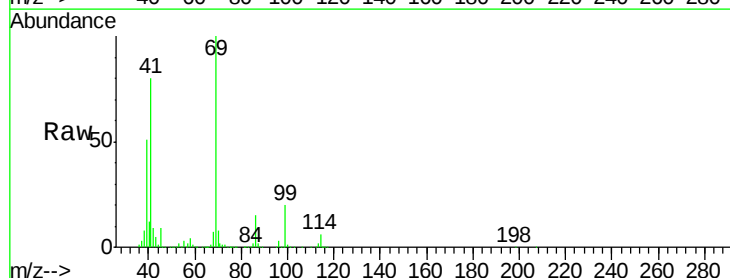
RT: 10.65 min Scan# 1434

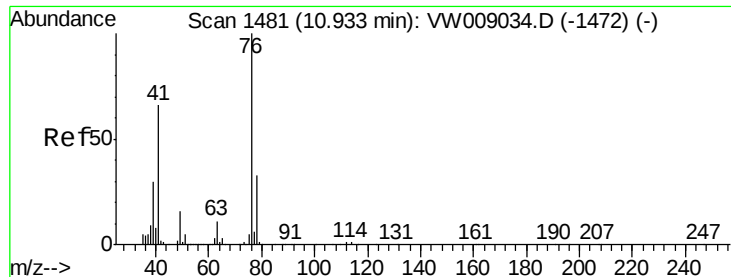
Delta R.T. -0.00 min

Lab File: VW009035.D

Acq: 07 Mar 2019 12:38

Tgt Ion:	69	Resp:	299826
Ion	Ratio	Lower	Upper
69	100		
41	76.5	59.4	89.2
39	46.5	38.5	57.7





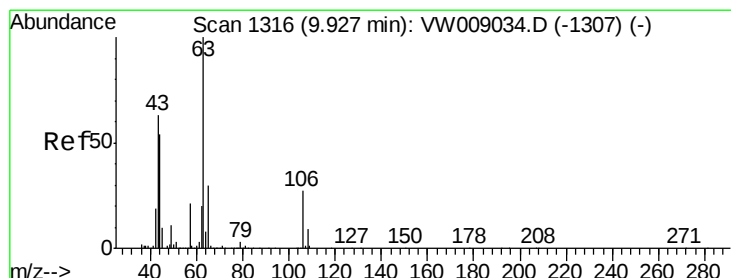
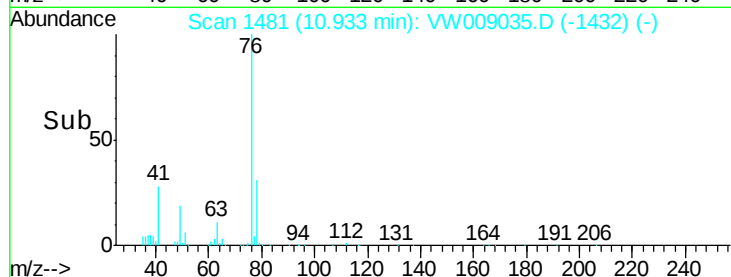
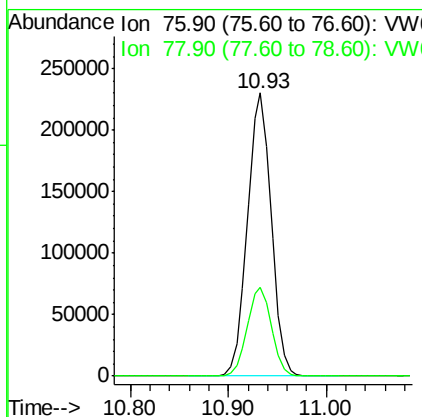
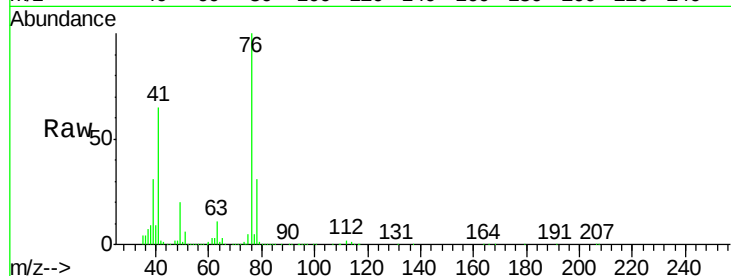
#57
 1,3-Dichloropropane
 Concen: 101.679 ug/l
 RT: 10.93 min Scan# 1481
 Delta R.T. -0.00 min
 Lab File: VW009035.D
 Acq: 07 Mar 2019 12:38

Instrument :
 MSVOA_W
 ClientSampled :
 VSTDIC100

Tot Ion: 76 Resp: 387135
 Ion Ratio Lower Upper
 76 100
 78 32.0 25.7 38.5

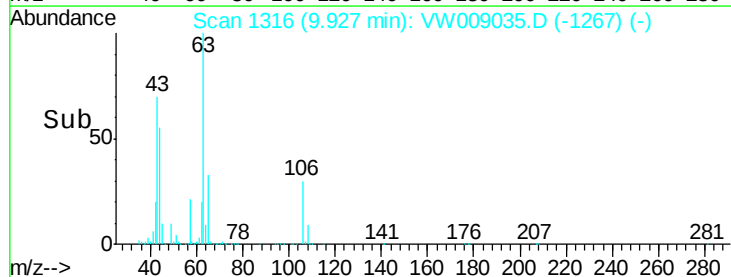
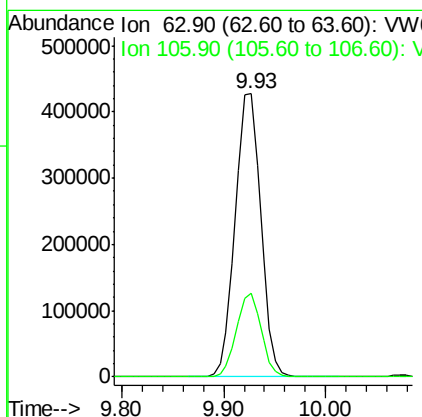
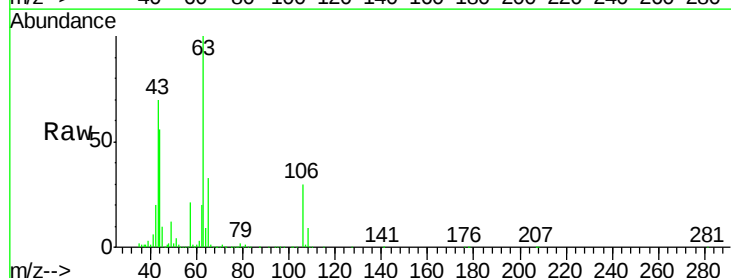
Manual Integrations
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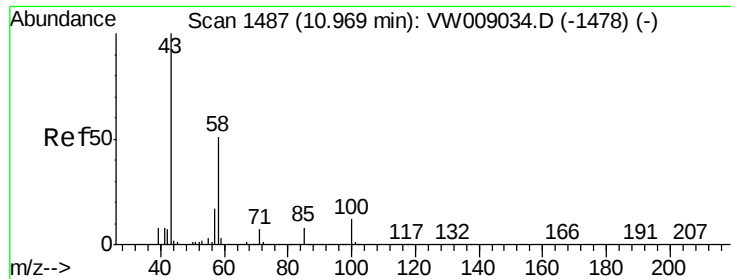
MMDadoda
 3/8/2019 12:06:53 PM



#58
 2-Chloroethyl Vinyl ether
 Concen: 531.899 ug/l
 RT: 9.93 min Scan# 1316
 Delta R.T. -0.00 min
 Lab File: VW009035.D
 Acq: 07 Mar 2019 12:38

Tgt Ion: 63 Resp: 743240
 Ion Ratio Lower Upper
 63 100
 106 28.5 23.0 34.6





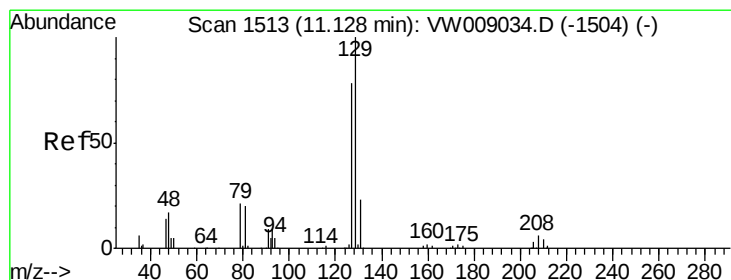
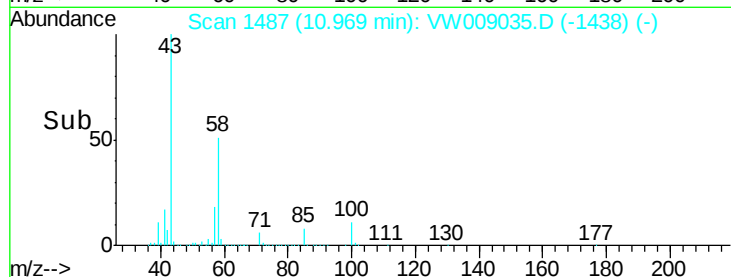
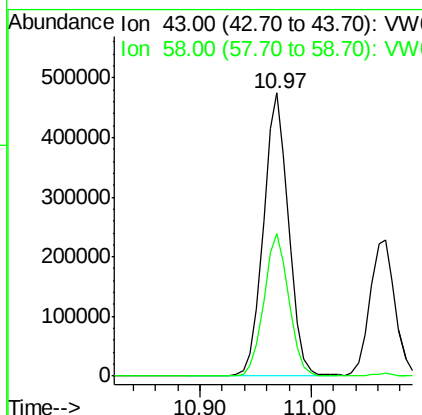
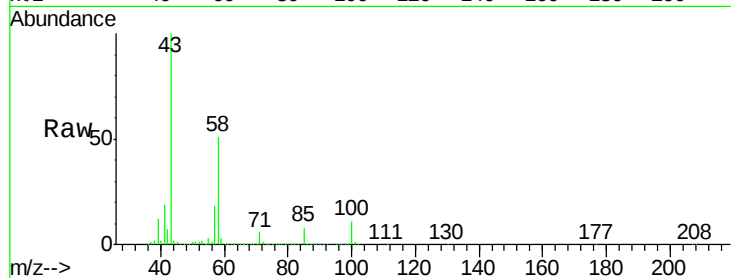
#59
2-Hexanone
Concen: 544.390 ug/l
RT: 10.97 min Scan# 1487
Delta R.T. -0.00 min
Lab File: VW009035.D
Acq: 07 Mar 2019 12:38

Instrument :
MSVOA_W
ClientSampleId :
VSTDICC100

Tot Ion: 43 Resp: 741622
Ion Ratio Lower Upper
43 100
58 50.4 25.3 75.9

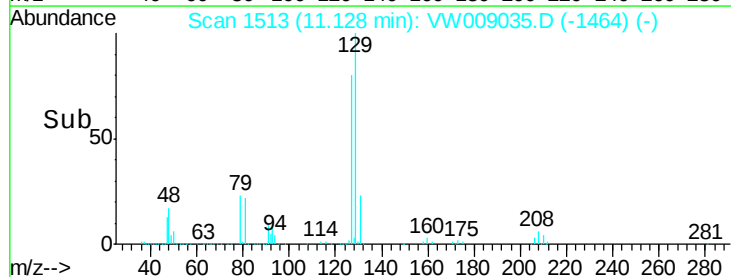
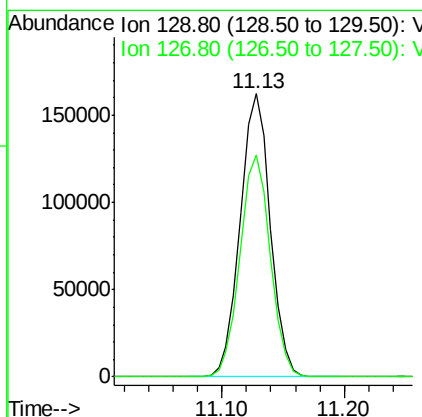
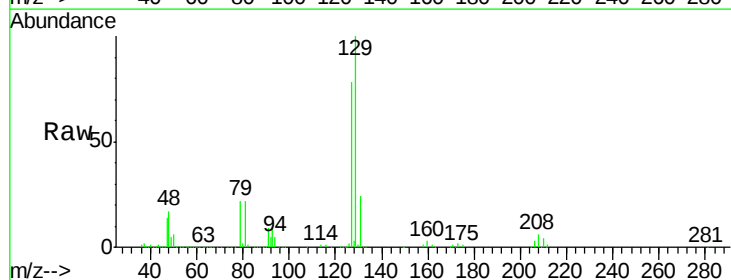
Manual Integrations
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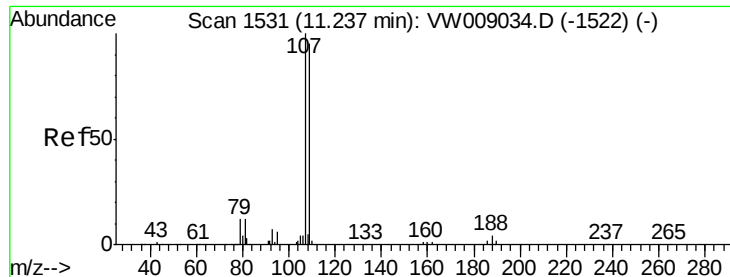
MMDadoda
3/8/2019 12:06:53 PM



#60
Dibromochloromethane
Concen: 105.089 ug/l
RT: 11.13 min Scan# 1513
Delta R.T. -0.00 min
Lab File: VW009035.D
Acq: 07 Mar 2019 12:38

Tgt Ion: 129 Resp: 276912
Ion Ratio Lower Upper
129 100
127 78.8 38.4 115.1





#61

1,2-Dibromoethane

Concen: 102.309 ug/l

RT: 11.23 min Scan# 1530

Delta R.T. -0.01 min

Lab File: VW009035.D

Acq: 07 Mar 2019 12:38

Instrument :

MSVOA_W

ClientSampled :

VSTDIC100

Tot Ion: 107 Resp: 213242

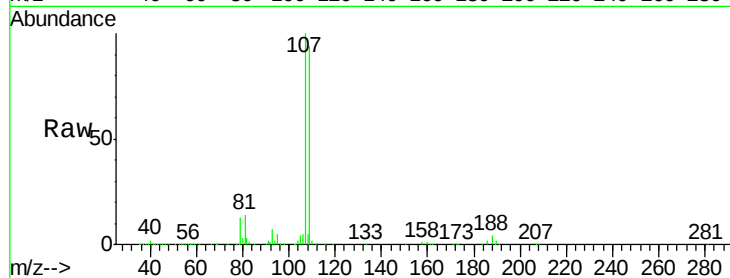
Ion Ratio Lower Upper

107 100

109 94.8 74.7 112.1

Manual Integrations
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MMDadoda
3/8/2019 12:06:53 PM



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V

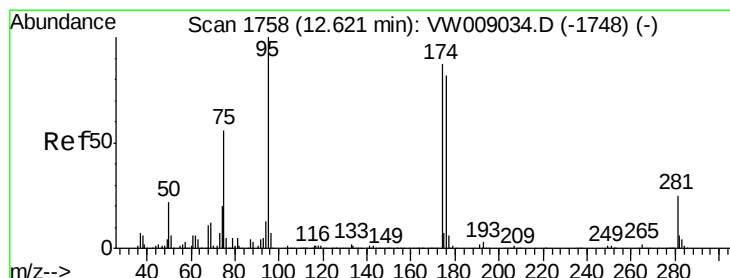
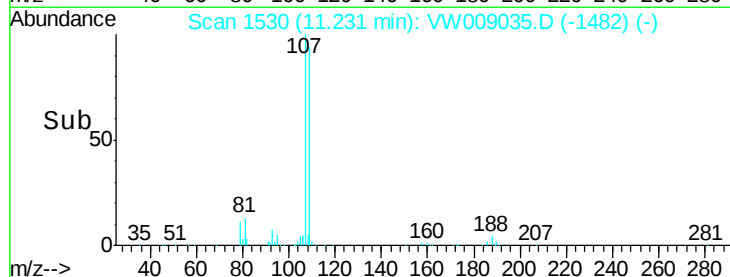
11.23

100000

50000

0

Time-->



#62

4-Bromofluorobenzene

Concen: 101.799 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. -0.00 min

Lab File: VW009035.D

Acq: 07 Mar 2019 12:38

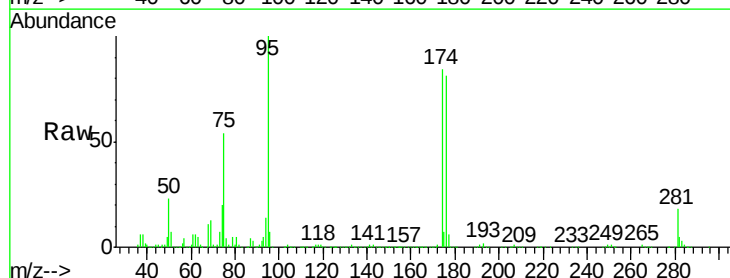
Tgt Ion: 95 Resp: 415593

Ion Ratio Lower Upper

95 100

174 80.5 0.0 167.0

176 79.6 0.0 159.4



Abundance Ion 94.90 (94.60 to 95.60): VW

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

12.62

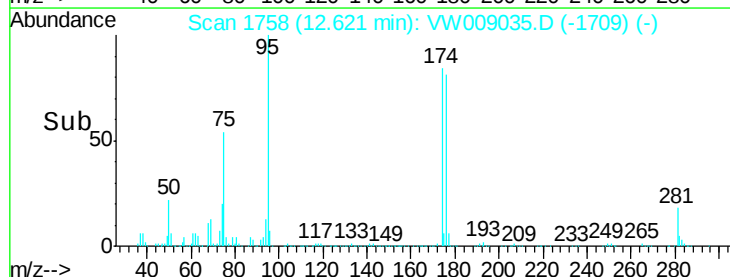
300000

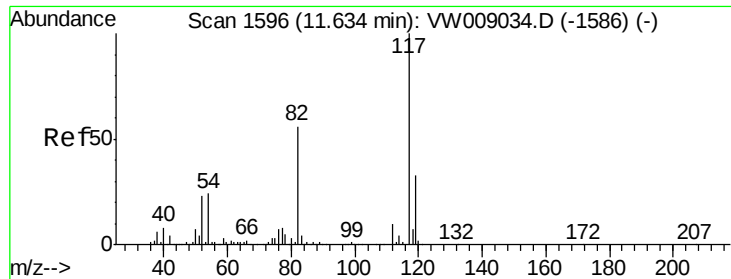
200000

100000

0

Time-->





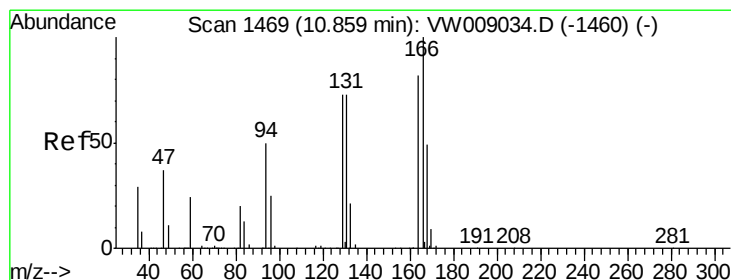
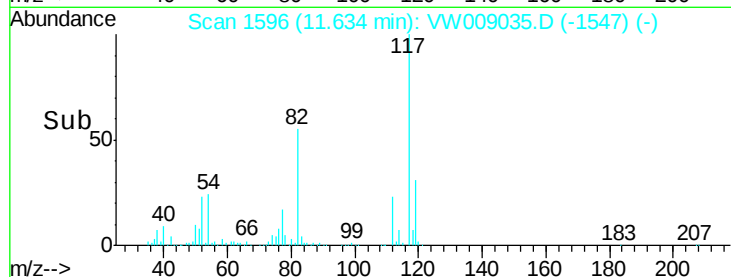
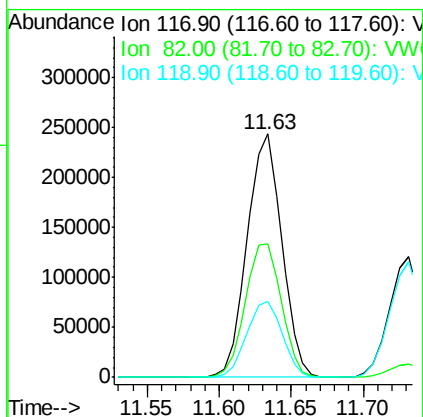
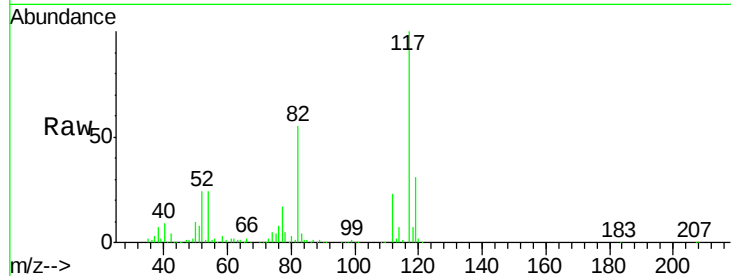
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1596
Delta R.T. -0.00 min
Lab File: VW009035.D
Acq: 07 Mar 2019 12:38

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Lower	Upper
117	100		
82	54.7	45.0	67.6
119	31.3	26.6	39.8

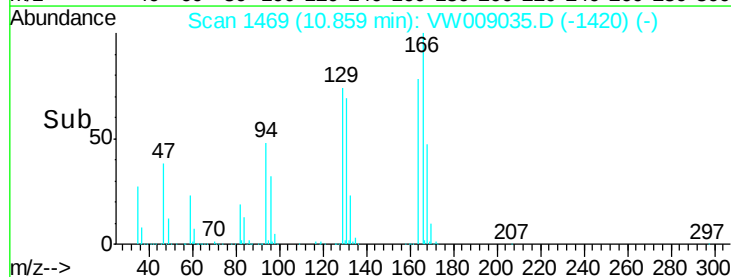
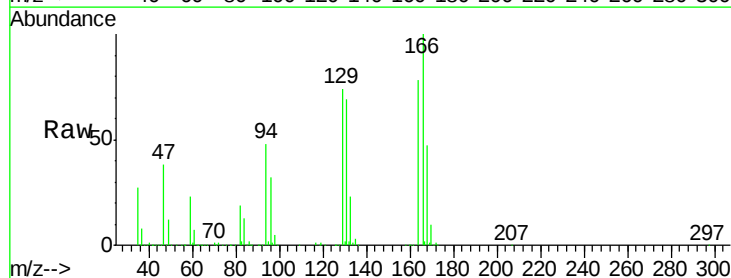
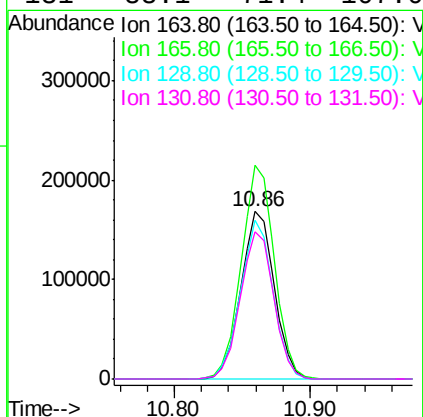
Manual Integrations
APPROVED

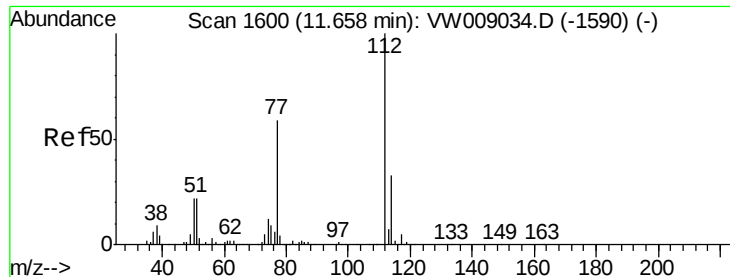
MMDadoda
3/8/2019 12:06:53 PM



#64
Tetrachloroethene
Concen: 97.864 ug/l
RT: 10.86 min Scan# 1469
Delta R.T. -0.00 min
Lab File: VW009035.D
Acq: 07 Mar 2019 12:38

Tgt Ion	Ratio	Lower	Upper
164	100		
166	127.7	97.8	146.6
129	94.6	71.6	107.4
131	88.1	71.4	107.0





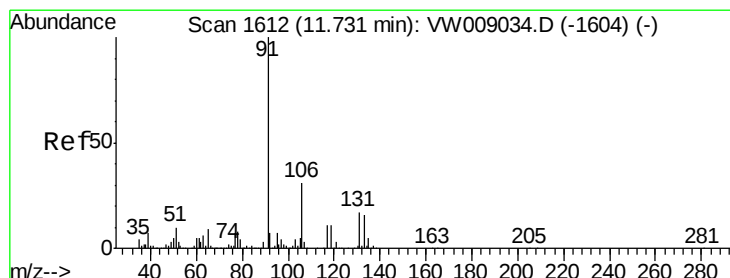
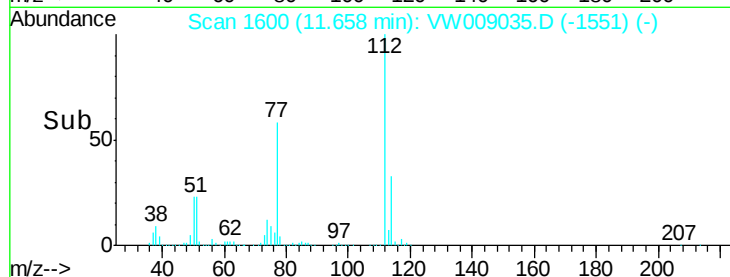
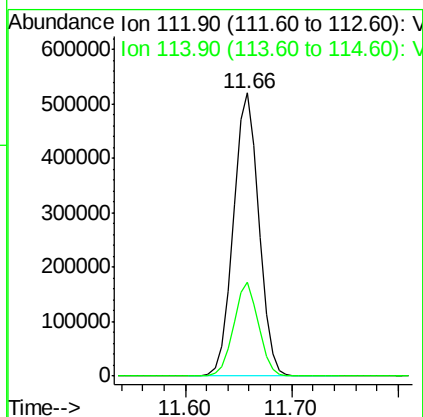
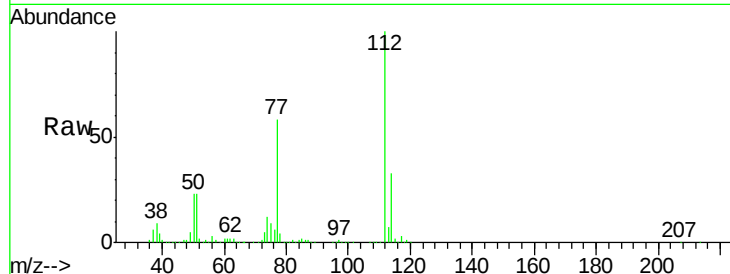
#65
Chlorobenzene
Concen: 99.774 ug/l
RT: 11.66 min Scan# 1600
Delta R.T. -0.00 min
Lab File: VW009035.D
Acq: 07 Mar 2019 12:38

Instrument :
MSVOA_W
ClientSampled :
VSTDIC100

Tot Ion:112 Resp: 872249
Ion Ratio Lower Upper
112 100
114 33.2 26.6 40.0

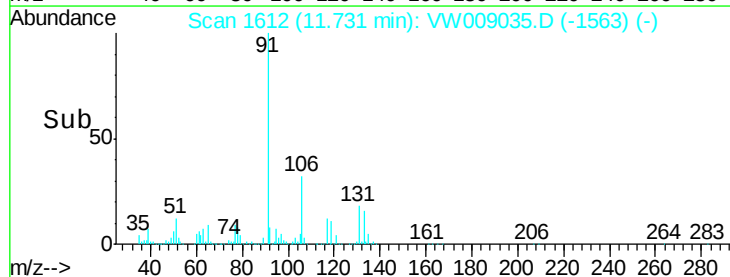
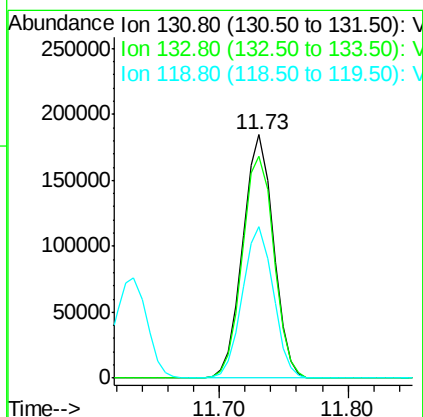
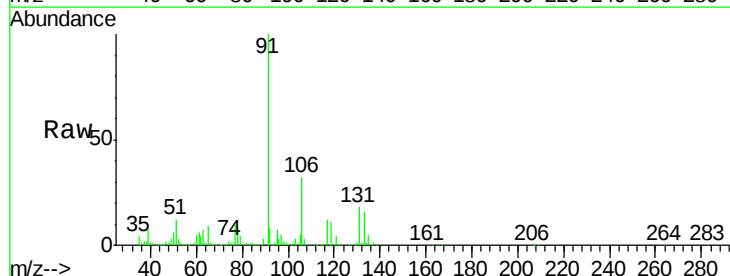
Manual Integrations
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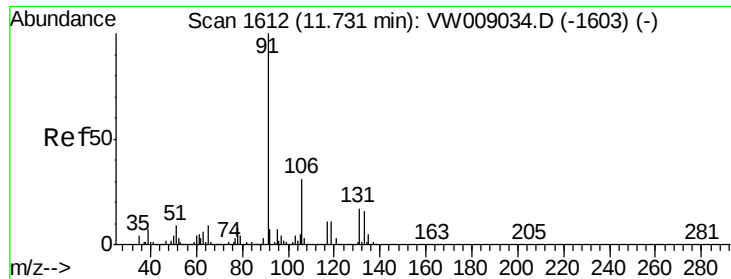
MMDadoda
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#66
1,1,1,2-Tetrachloroethane
Concen: 104.238 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. -0.00 min
Lab File: VW009035.D
Acq: 07 Mar 2019 12:38

Tgt Ion:131 Resp: 303813
Ion Ratio Lower Upper
131 100
133 94.1 47.6 142.8
119 62.4 31.3 93.8





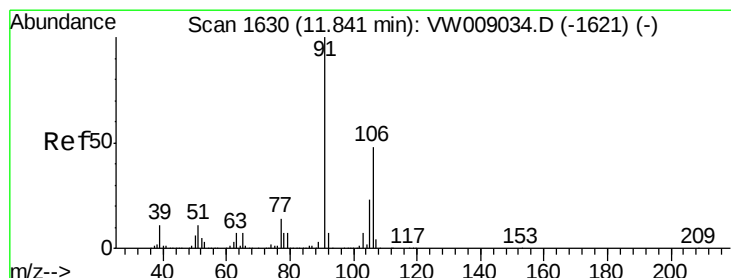
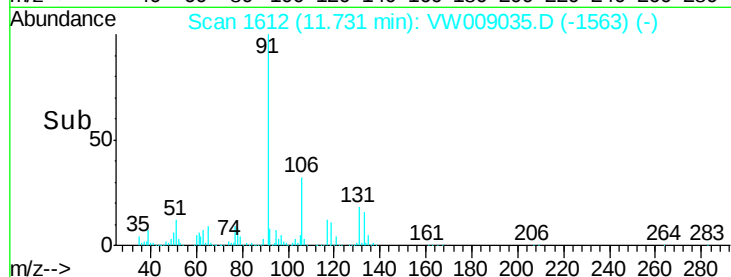
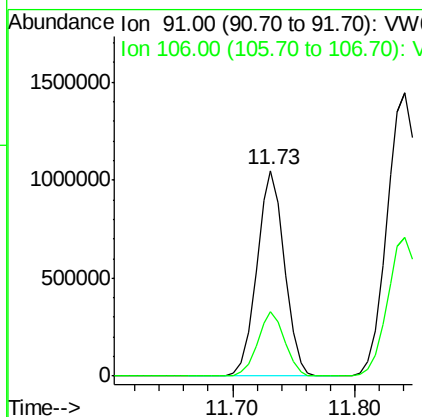
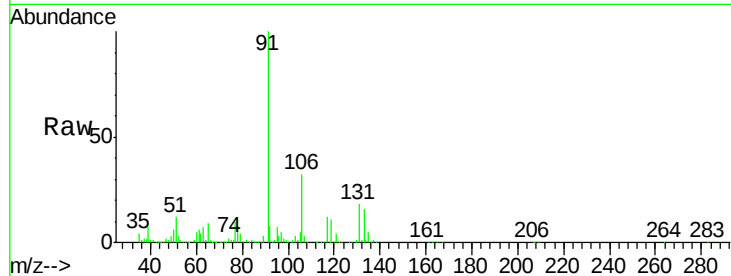
#67
Ethyl Benzene
Concen: 104.686 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. -0.00 min
Lab File: VW009035.D
Acq: 07 Mar 2019 12:38

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC100

Tot Ion: 91 Resp: 1644348
Ion Ratio Lower Upper
91 100
106 31.7 25.0 37.4

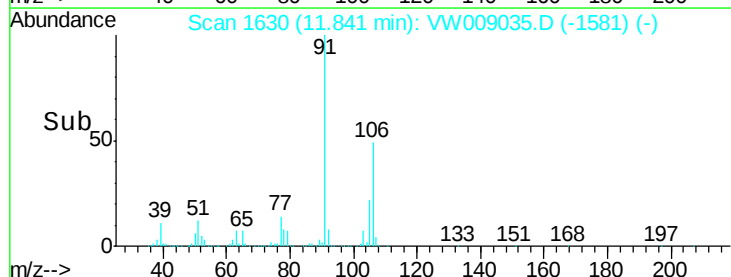
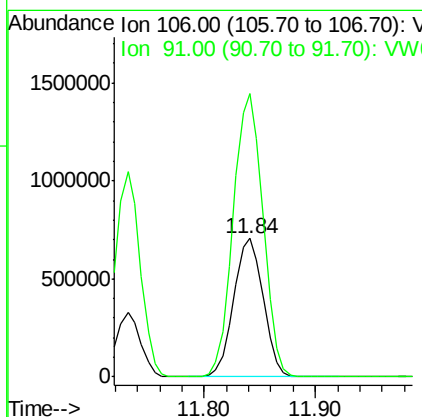
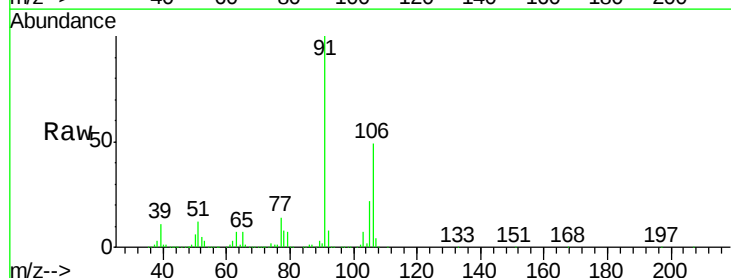
Manual Integrations
APPROVED

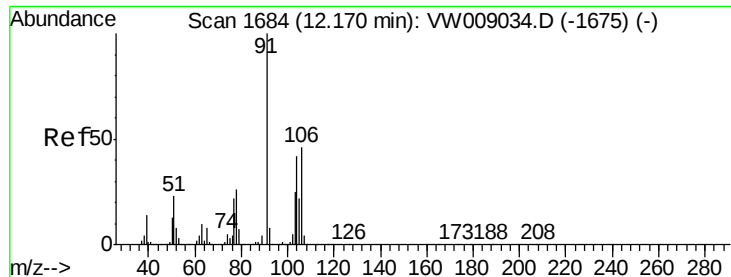
MMDadoda
3/8/2019 12:06:53 PM



#68
m/p-Xylenes
Concen: 209.201 ug/l
RT: 11.84 min Scan# 1630
Delta R.T. -0.00 min
Lab File: VW009035.D
Acq: 07 Mar 2019 12:38

Tgt Ion: 106 Resp: 1298694
Ion Ratio Lower Upper
106 100
91 205.4 163.2 244.8





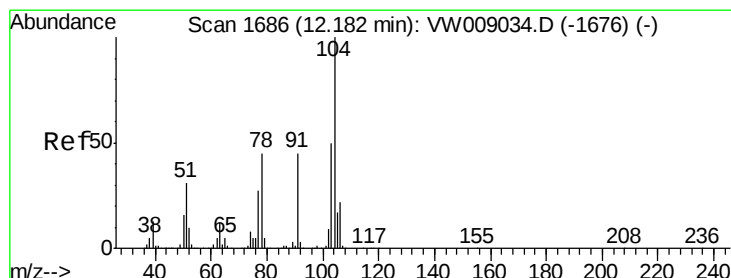
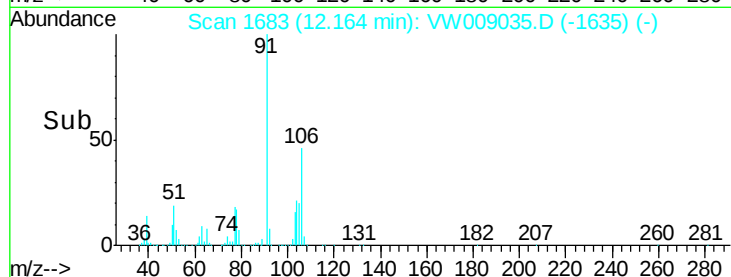
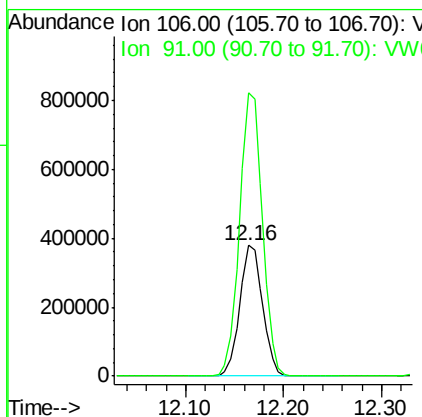
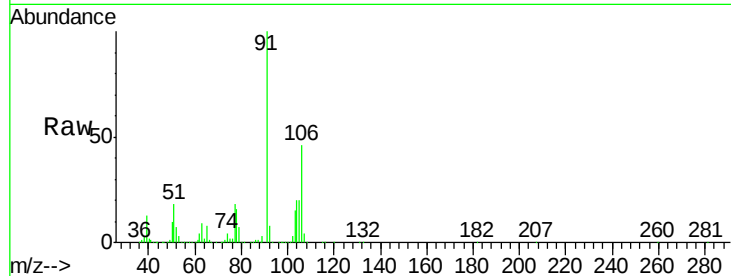
#69
o-Xylene
Concen: 106.090 ug/l
RT: 12.16 min Scan# 1683
Delta R.T. -0.01 min
Lab File: VW009035.D
Acq: 07 Mar 2019 12:38

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC100

Tot Ion:106 Resp: 613982
Ion Ratio Lower Upper
106 100
91 216.9 108.6 325.6

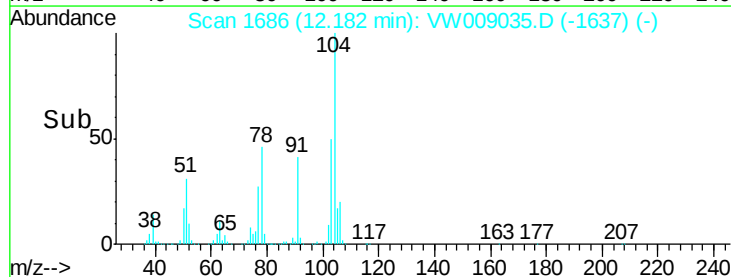
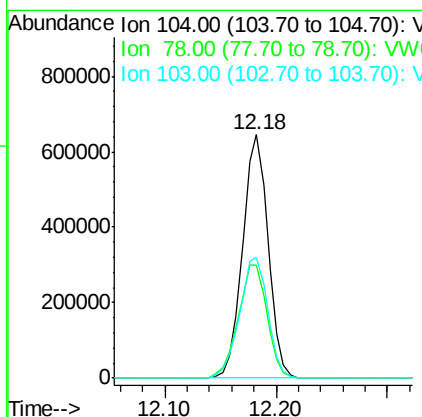
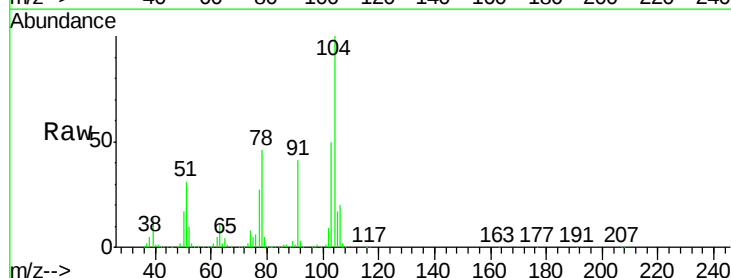
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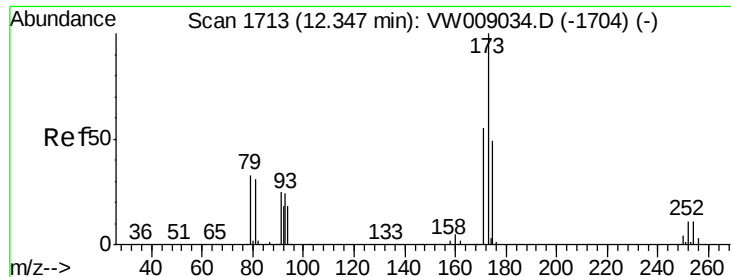
MMDadoda
3/8/2019 12:06:53 PM



#70
Styrene
Concen: 108.658 ug/l
RT: 12.18 min Scan# 1686
Delta R.T. -0.00 min
Lab File: VW009035.D
Acq: 07 Mar 2019 12:38

Tgt Ion:104 Resp: 1023717
Ion Ratio Lower Upper
104 100
78 52.6 42.1 63.1
103 54.9 43.9 65.9





#71

Bromoform

Concen: 109.260 ug/l

RT: 12.35 min Scan# 1713

Delta R.T. -0.00 min

Lab File: VW009035.D

Acq: 07 Mar 2019 12:38

Instrument :

MSVOA_W

ClientSampled :

VSTDIC100

Tot Ion:173 Resp: 172681

Ion Ratio Lower Upper

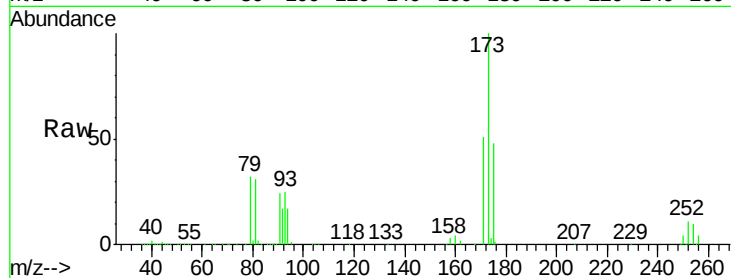
173 100

175 47.8 24.6 74.0

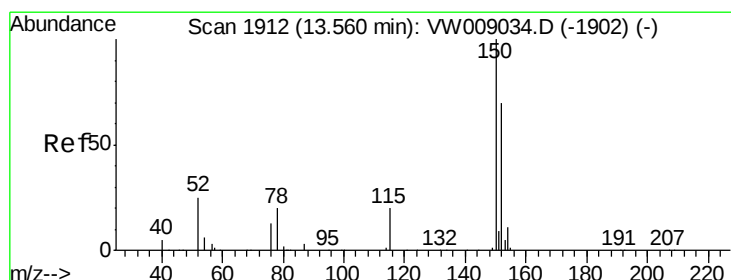
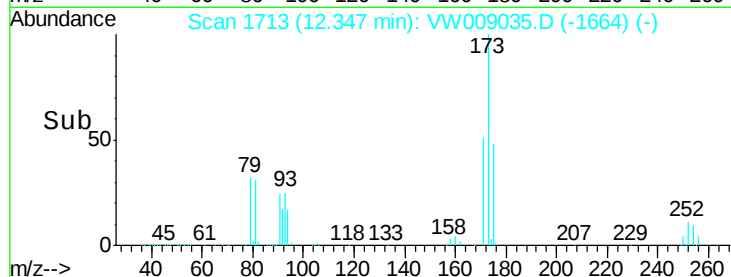
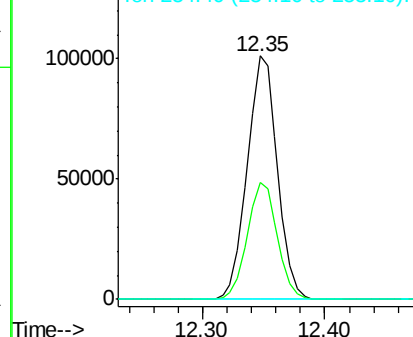
254 0.2 0.0 0.0#

Manual Integrations
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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: VW009035.D

Acq: 07 Mar 2019 12:38

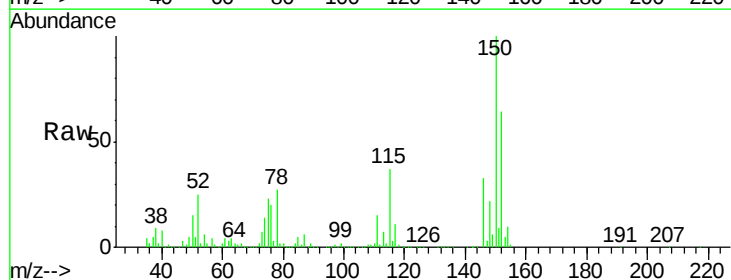
Tgt Ion:152 Resp: 229204

Ion Ratio Lower Upper

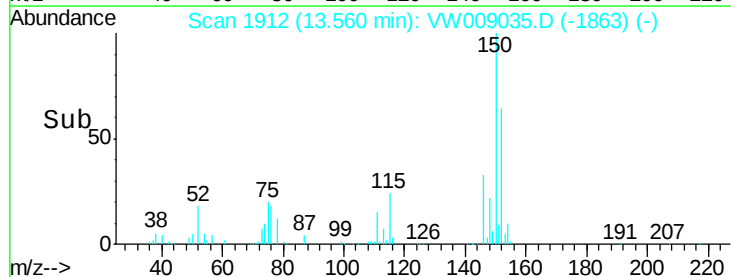
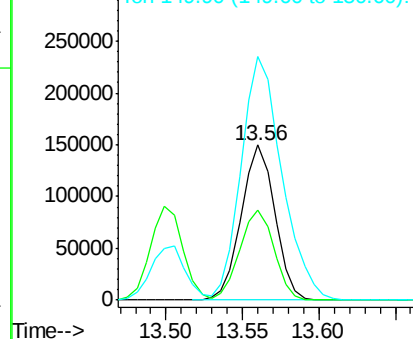
152 100

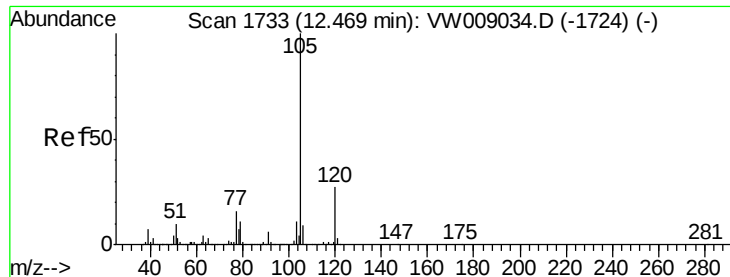
115 59.1 28.9 86.7

150 189.4 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





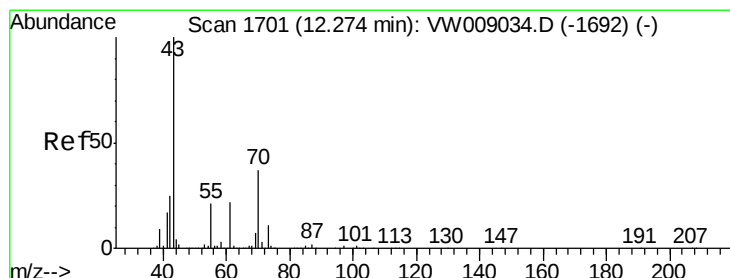
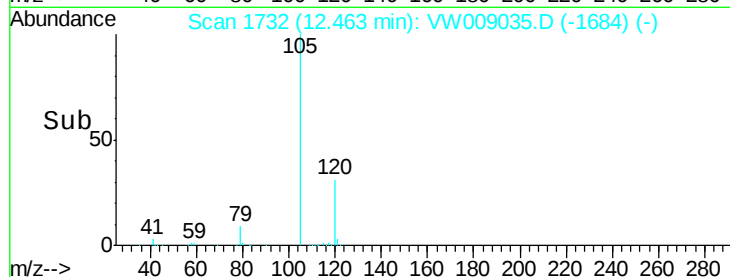
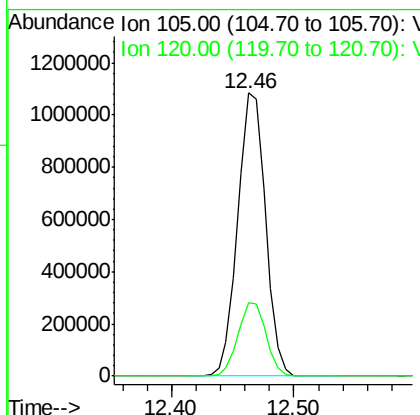
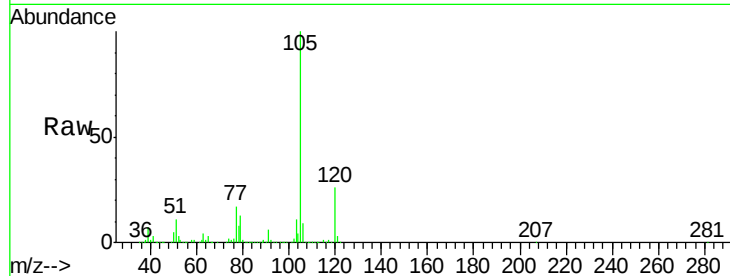
#73
Isopropylbenzene
Concen: 104.563 ug/l
RT: 12.46 min Scan# 1732
Delta R.T. -0.01 min
Lab File: VW009035.D
Acq: 07 Mar 2019 12:38

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC100

Tot Ion:105 Resp: 1703070
Ion Ratio Lower Upper
105 100
120 26.2 13.2 39.6

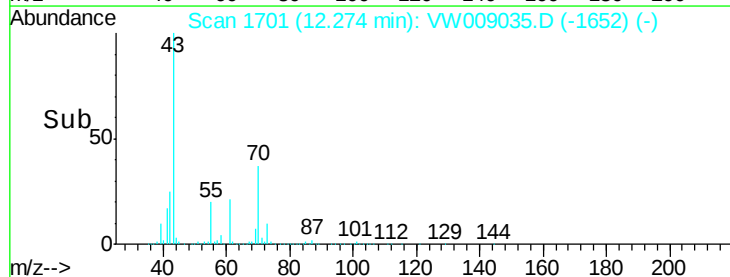
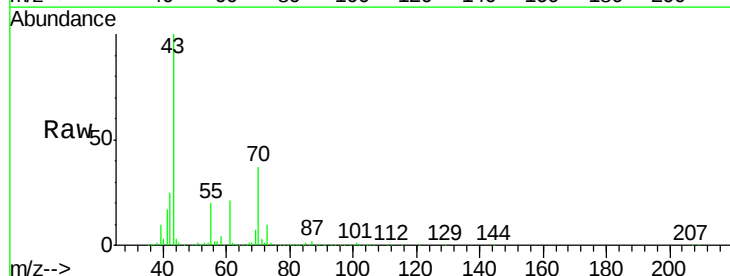
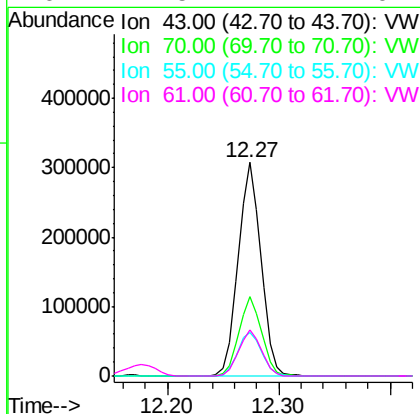
Manual Integrations
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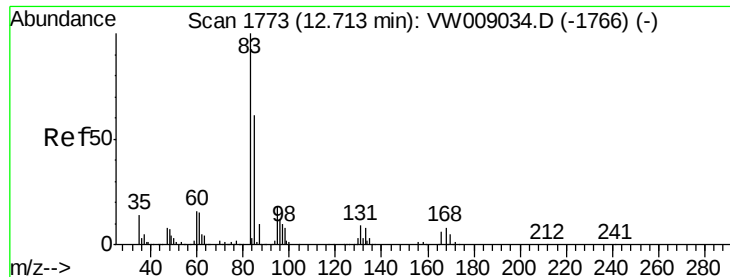
MMDadoda
3/8/2019 12:06:53 PM



#74
N-ethyl acetate
Concen: 111.497 ug/l
RT: 12.27 min Scan# 1701
Delta R.T. -0.00 min
Lab File: VW009035.D
Acq: 07 Mar 2019 12:38

Tgt Ion: 43 Resp: 434103
Ion Ratio Lower Upper
43 100
70 37.2 30.8 46.2
55 21.8 17.8 26.8
61 21.5 17.4 26.2





#75

1,1,2,2-Tetrachloroethane

Concen: 100.539 ug/l

RT: 12.71 min Scan# 1773

Delta R.T. -0.00 min

Lab File: VW009035.D

Acq: 07 Mar 2019 12:38

Instrument :

MSVOA_W

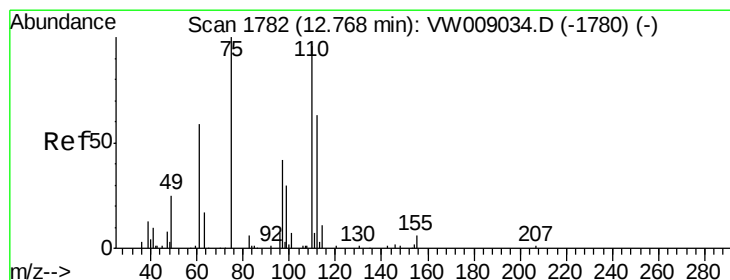
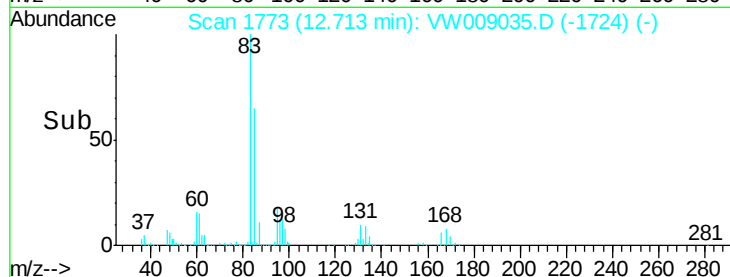
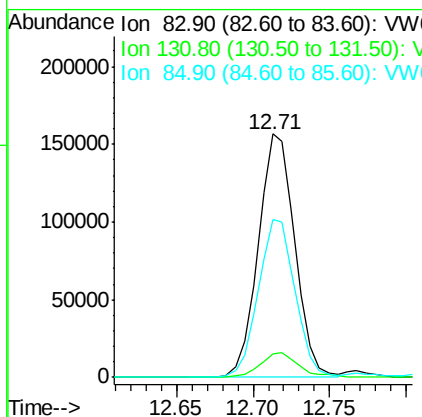
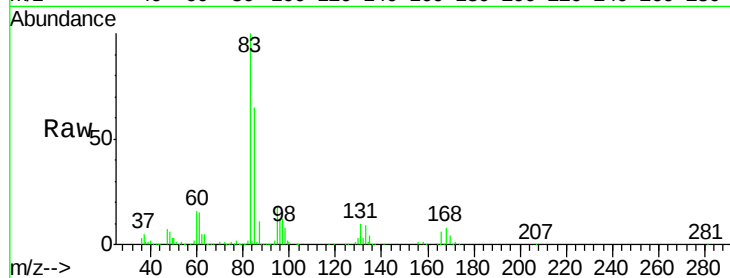
ClientSampleId :

VSTDIC100

Tot Ion:	83	Resp:	260473
Ion Ratio	Lower	Upper	
83	100		
131	10.8	5.5	16.7
85	65.1	31.7	95.1

Manual Integrations
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3/8/2019 12:06:53 PM



#76

1,2,3-Trichloropropane

Concen: 74.601 ug/l m

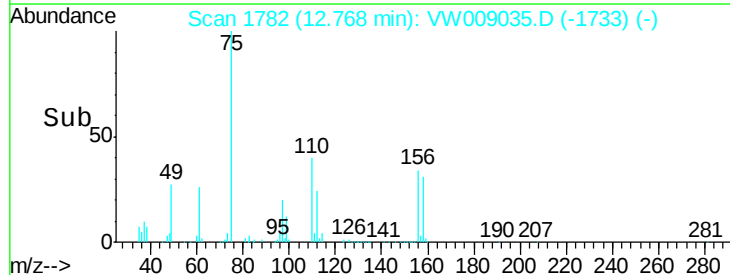
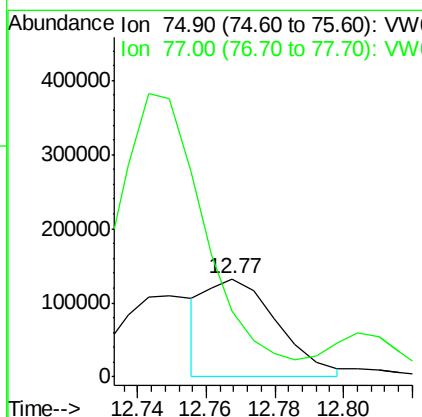
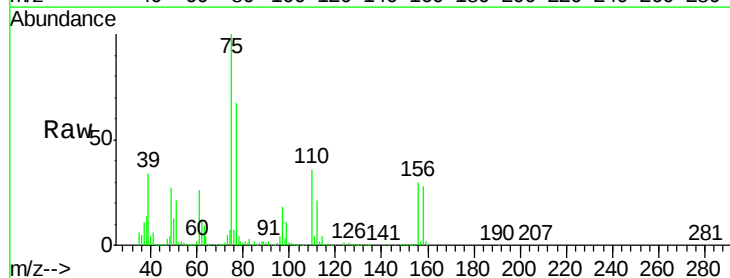
RT: 12.77 min Scan# 1782

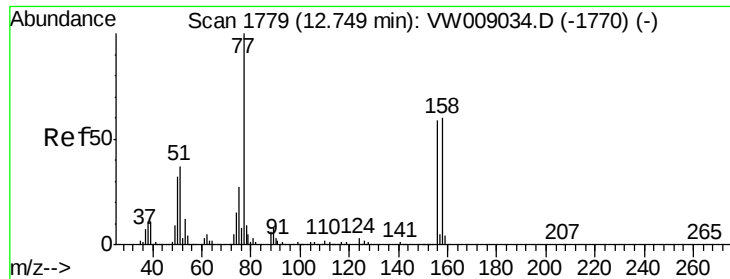
Delta R.T. -0.00 min

Lab File: VW009035.D

Acq: 07 Mar 2019 12:38

Tgt Ion:	75	Resp:	190395
Ion Ratio	Lower	Upper	
75	100		
77	0.0	186.7	560.0#





#77

Bromobenzene

Concen: 99.793 ug/l

RT: 12.75 min Scan# 1779

Delta R.T. -0.00 min

Lab File: VW009035.D

Acq: 07 Mar 2019 12:38

Instrument :

MSVOA_W

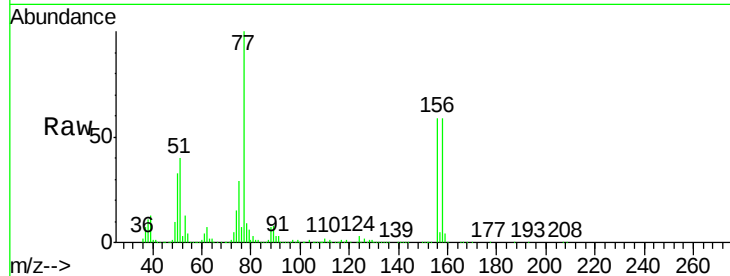
ClientSampled :

VSTDIC100

Tot Ion:	156	Resp:	371661
Ion Ratio	Lower	Upper	
156	100		
77	188.0	93.0	279.2
158	97.0	50.0	149.8

Manual Integrations
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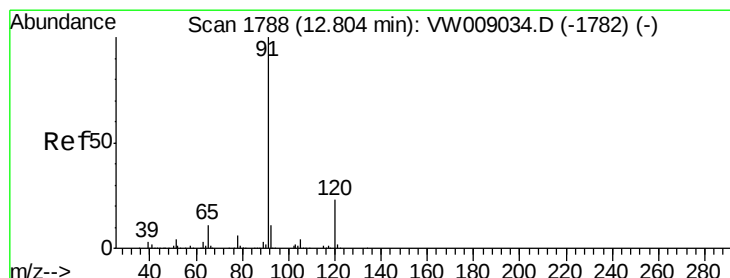
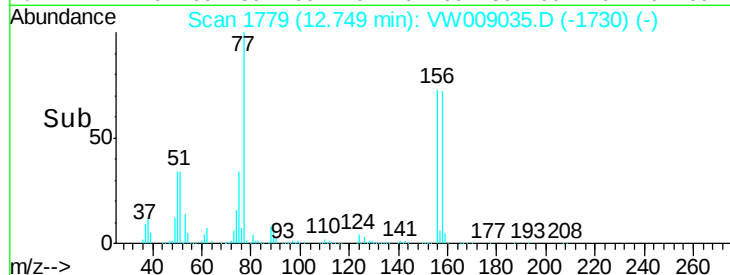
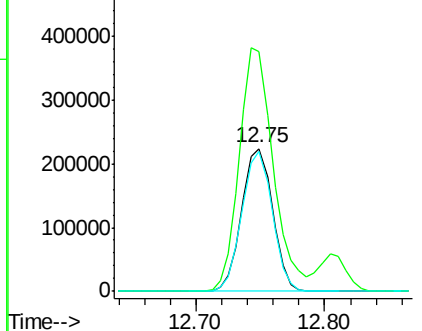
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Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VW

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 104.807 ug/l

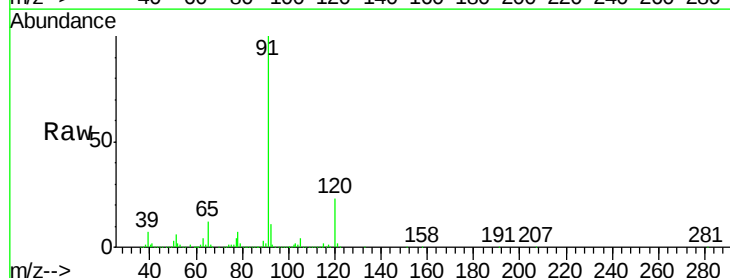
RT: 12.80 min Scan# 1788

Delta R.T. -0.00 min

Lab File: VW009035.D

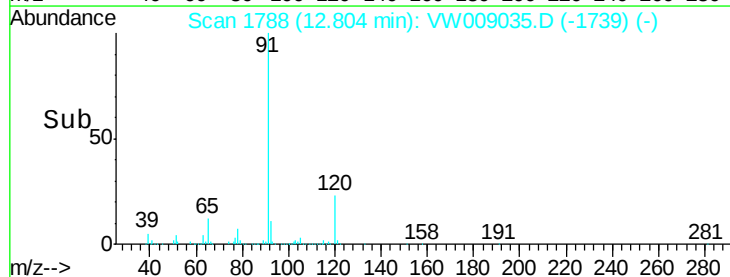
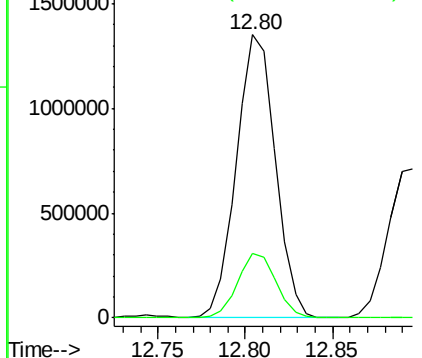
Acq: 07 Mar 2019 12:38

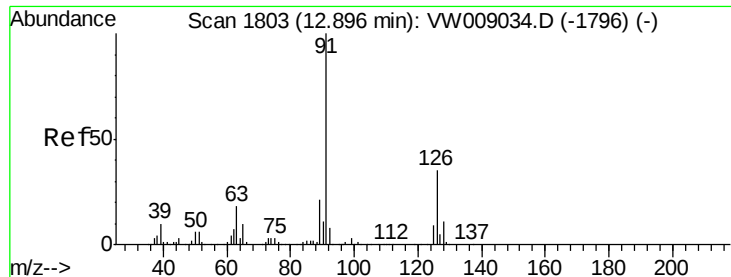
Tgt Ion:	91	Resp:	2095596
Ion Ratio	Lower	Upper	
91	100		
120	22.6	11.4	34.2



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 103.278 ug/l

RT: 12.90 min Scan# 1803

Delta R.T. -0.00 min

Lab File: VW009035.D

Acq: 07 Mar 2019 12:38

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC100

Tot Ion: 91 Resp: 1160373

Ion Ratio Lower Upper

91 100

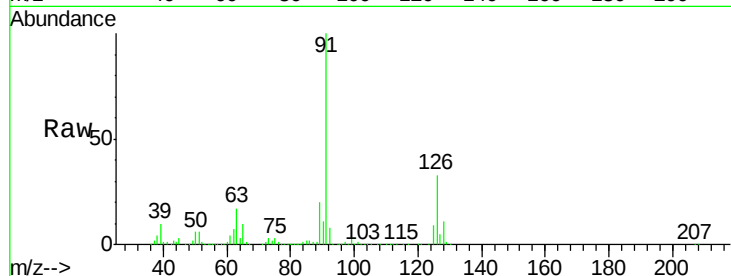
126 33.4 16.8 50.4

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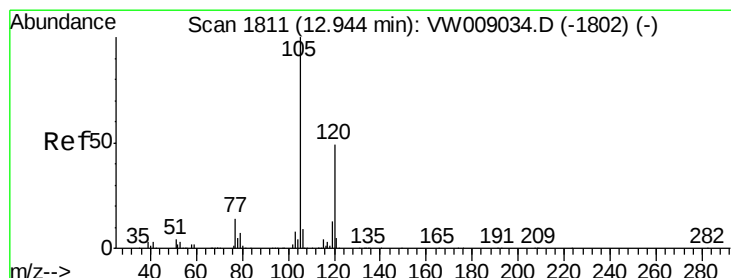
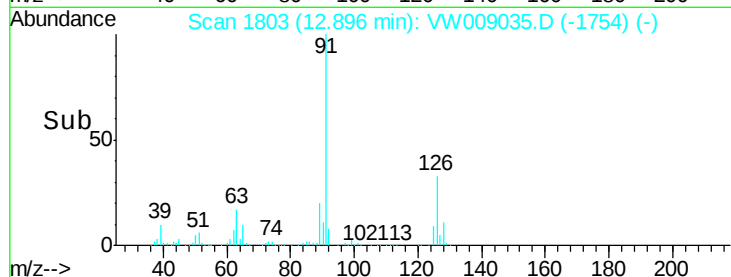
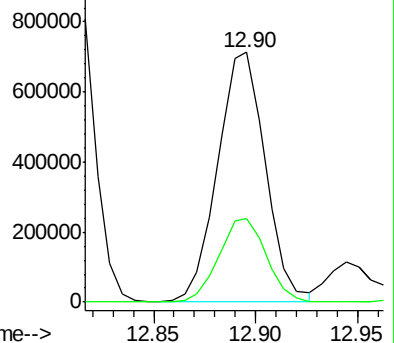
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Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 125.90 (125.60 to 126.60): V



#80

1,3,5-Trimethylbenzene

Concen: 104.617 ug/l

RT: 12.94 min Scan# 1811

Delta R.T. -0.00 min

Lab File: VW009035.D

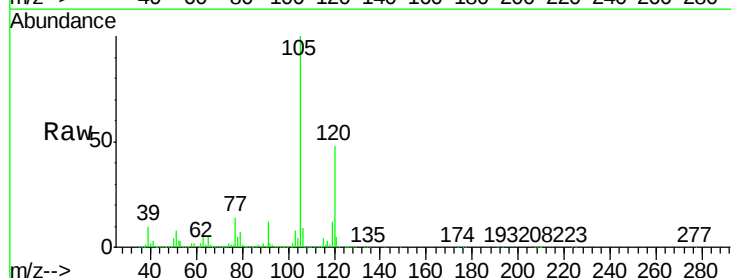
Acq: 07 Mar 2019 12:38

Tgt Ion:105 Resp: 1468560

Ion Ratio Lower Upper

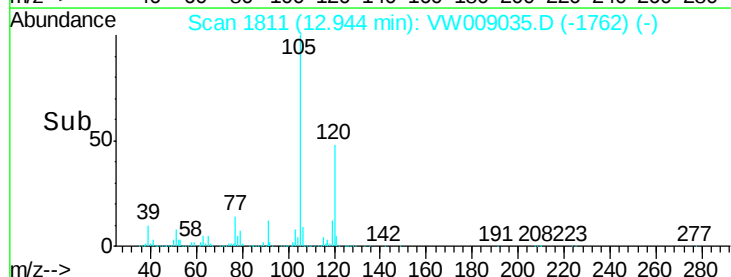
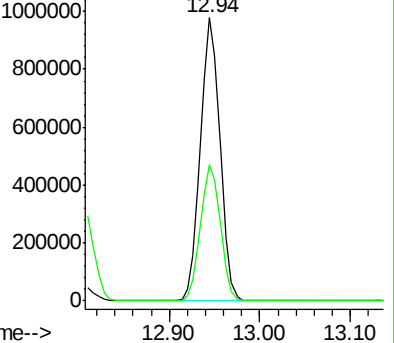
105 100

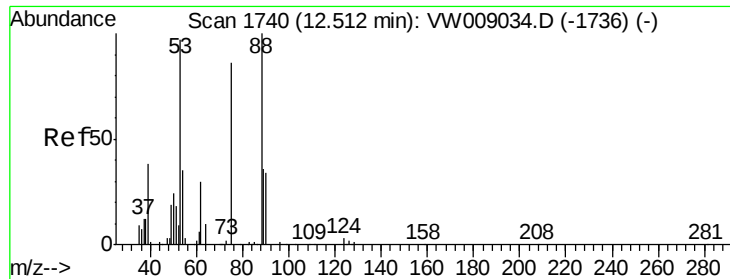
120 48.8 24.4 73.2



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: 108.475 ug/l

RT: 12.51 min Scan# 1740

Delta R.T. -0.00 min

Lab File: VW009035.D

Acq: 07 Mar 2019 12:38

Instrument :

MSVOA_W

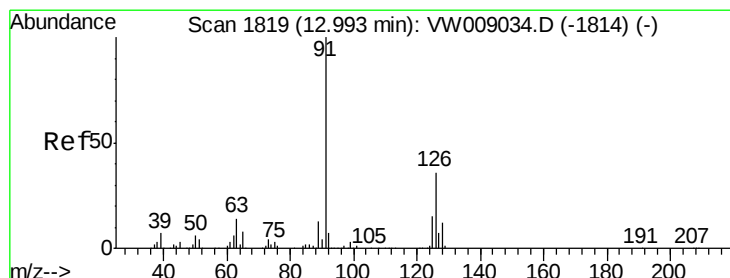
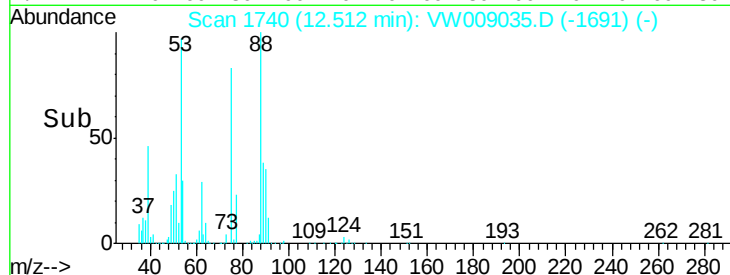
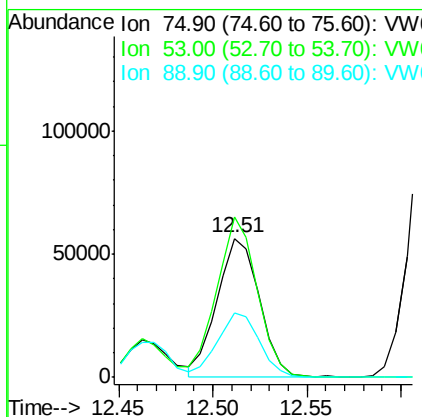
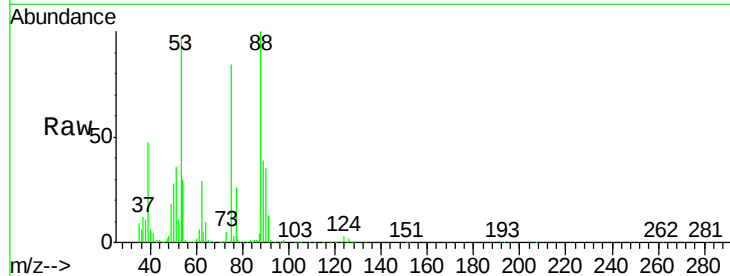
ClientSampleId :

VSTDIC100

Tot Ion:	75	Resp:	87150
Ion	Ratio	Lower	Upper
75	100		
53	111.1	90.5	135.7
89	46.4	37.5	56.3

Manual Integrations
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#82

4-Chlorotoluene

Concen: 103.978 ug/l

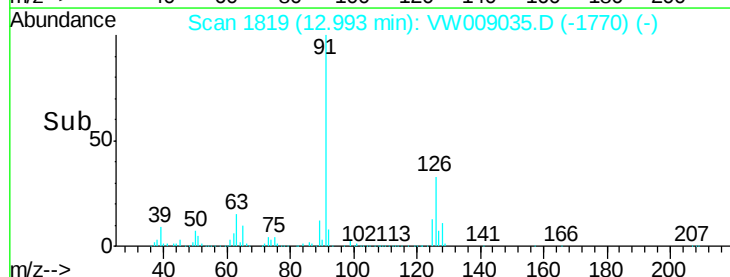
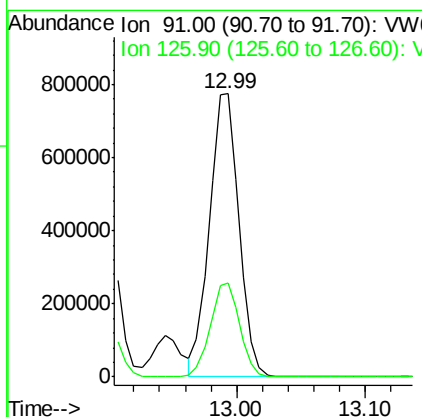
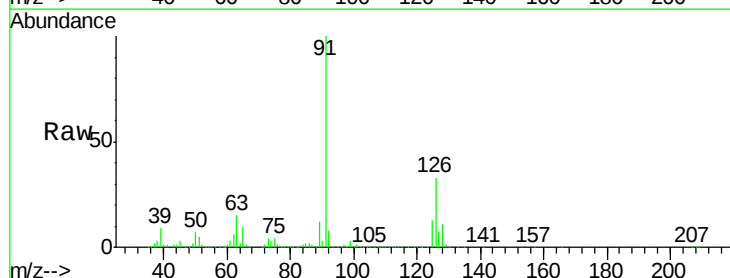
RT: 12.99 min Scan# 1819

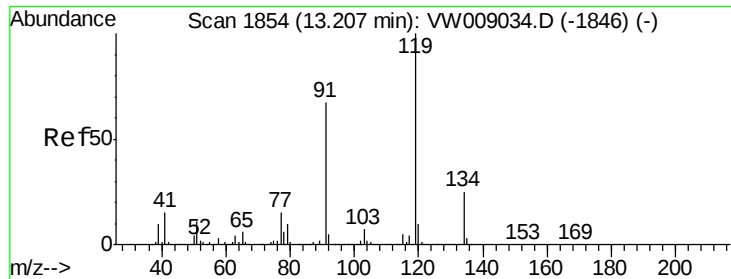
Delta R.T. -0.00 min

Lab File: VW009035.D

Acq: 07 Mar 2019 12:38

Tgt Ion:	91	Resp:	1244749
Ion	Ratio	Lower	Upper
91	100		
126	33.1	16.6	49.8





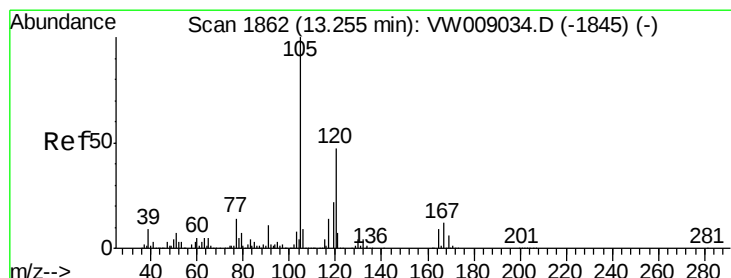
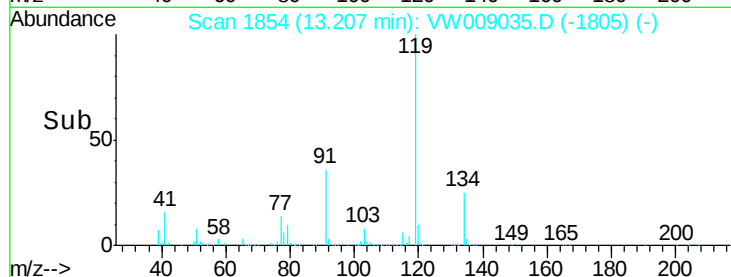
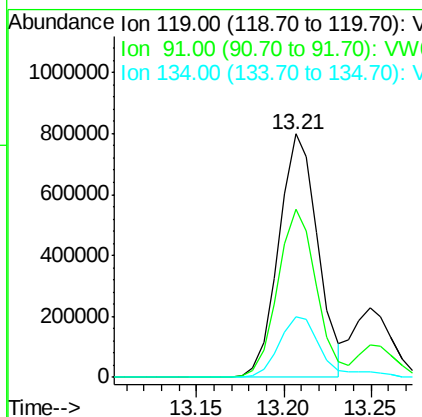
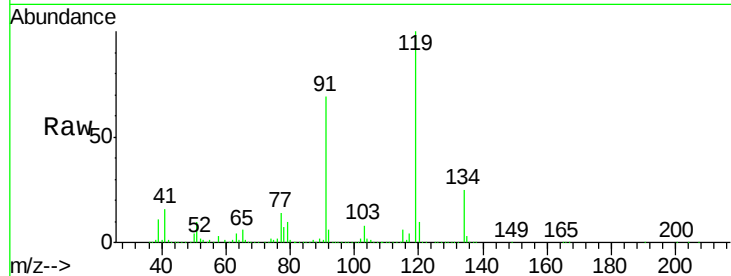
#83
 tert-Butylbenzene
 Concen: 105.780 ug/l
 RT: 13.21 min Scan# 1854
 Delta R.T. -0.00 min
 Lab File: VW009035.D
 Acq: 07 Mar 2019 12:38

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC100

Tot Ion:119 Resp: 1247291
 Ion Ratio Lower Upper
 119 100
 91 69.1 34.2 102.5
 134 27.4 13.9 41.6

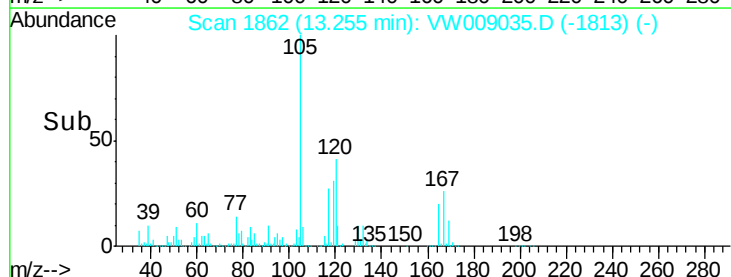
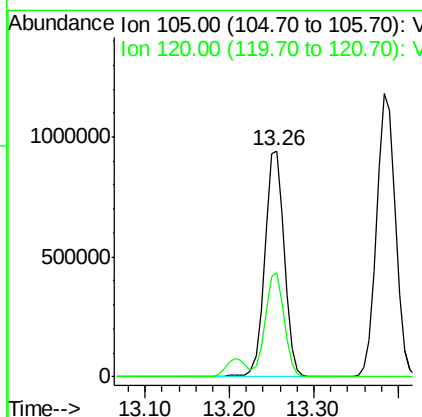
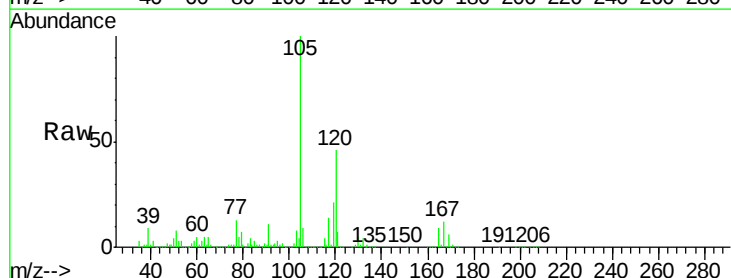
Manual Integrations
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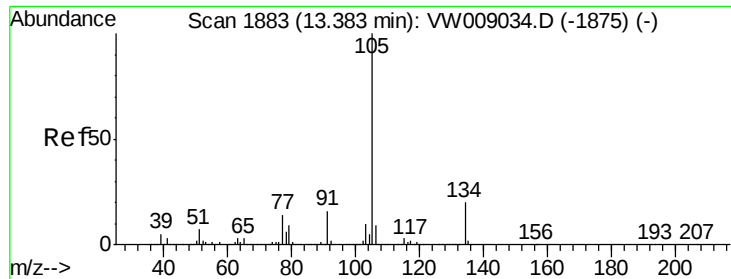
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#84
 1,2,4-Trimethylbenzene
 Concen: 105.950 ug/l
 RT: 13.26 min Scan# 1862
 Delta R.T. -0.00 min
 Lab File: VW009035.D
 Acq: 07 Mar 2019 12:38

Tgt Ion:105 Resp: 1501422
 Ion Ratio Lower Upper
 105 100
 120 44.9 22.8 68.4





#85

sec-Butylbenzene

Concen: 105.125 ug/l

RT: 13.38 min Scan# 1883

Delta R.T. -0.00 min

Lab File: VW009035.D

Acq: 07 Mar 2019 12:38

Instrument :

MSVOA_W

ClientSampled :

VSTDIC100

Tot Ion:105 Resp: 1836709

Ion Ratio Lower Upper

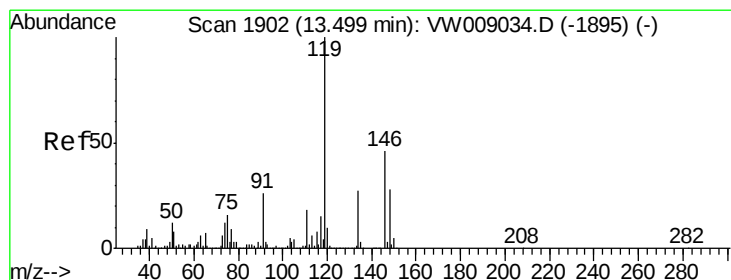
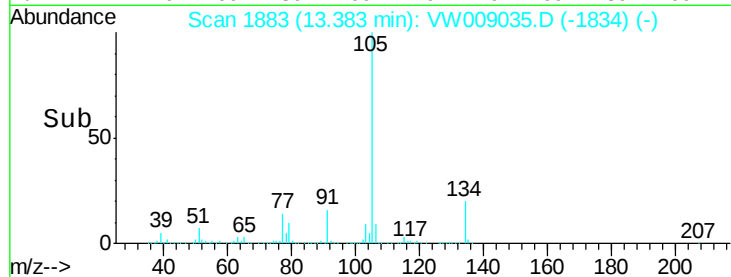
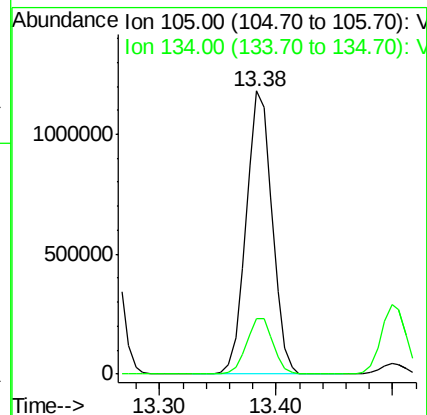
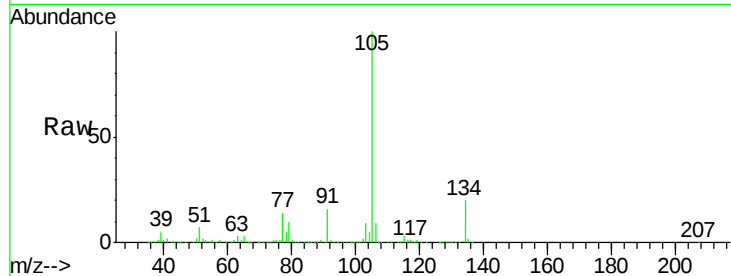
105 100

134 20.1 10.0 30.0

Manual Integrations
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#86

p-Isopropyltoluene

Concen: 106.210 ug/l

RT: 13.50 min Scan# 1902

Delta R.T. -0.00 min

Lab File: VW009035.D

Acq: 07 Mar 2019 12:38

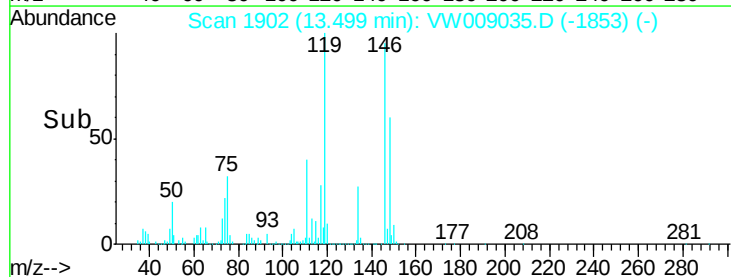
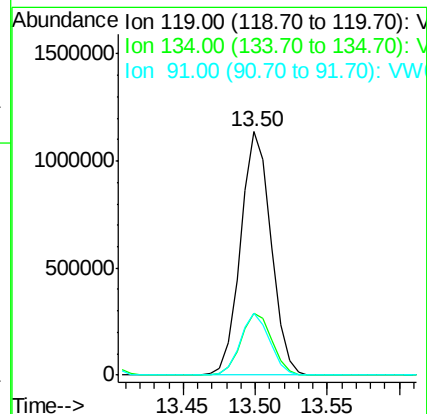
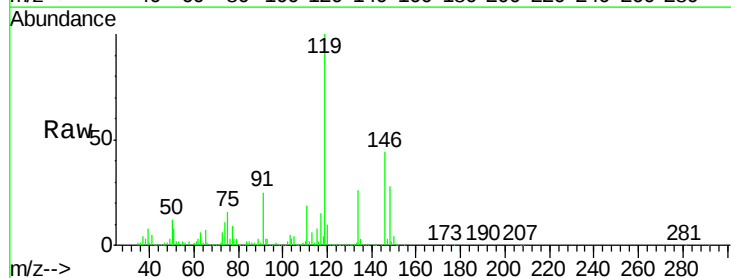
Tgt Ion:119 Resp: 1663321

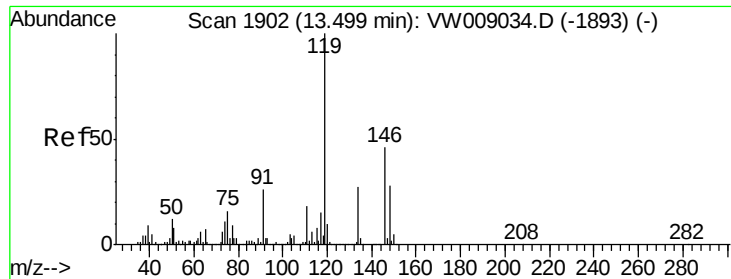
Ion Ratio Lower Upper

119 100

134 26.0 13.3 39.9

91 24.8 12.3 36.9





#87

1,3-Dichlorobenzene

Concen: 101.435 ug/l

RT: 13.50 min Scan# 1902

Delta R.T. -0.00 min

Lab File: VW009035.D

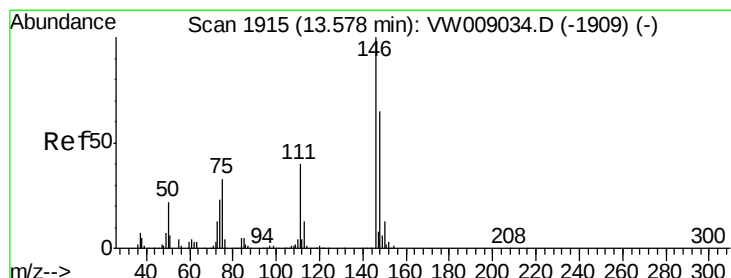
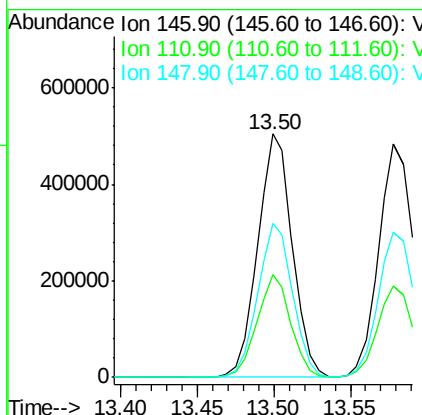
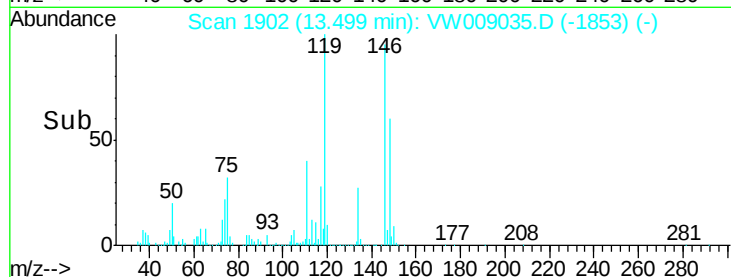
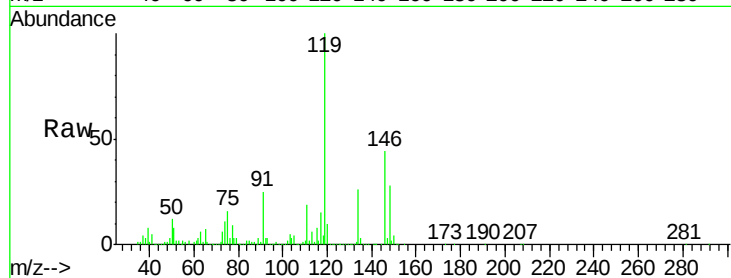
Acq: 07 Mar 2019 12:38

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Lower	Upper
146	100		
111	41.1	19.8	59.4
148	63.7	31.6	94.8

Manual Integrations
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#88

1,4-Dichlorobenzene

Concen: 98.808 ug/l

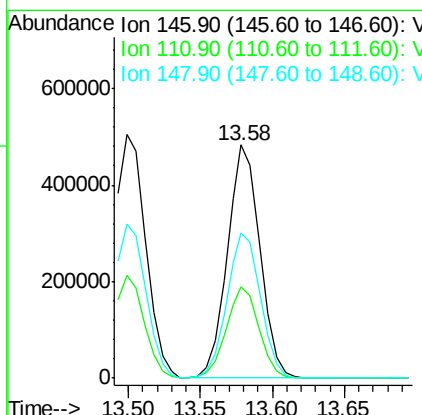
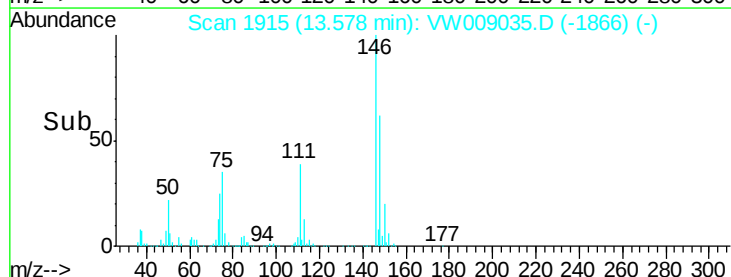
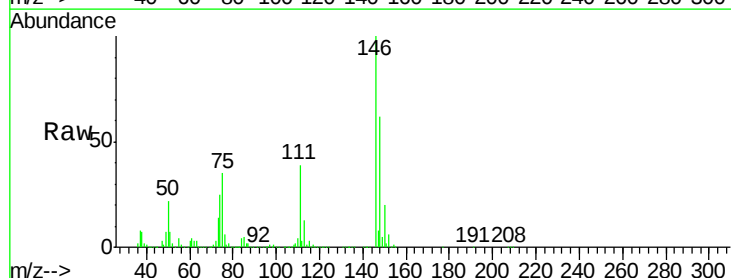
RT: 13.58 min Scan# 1915

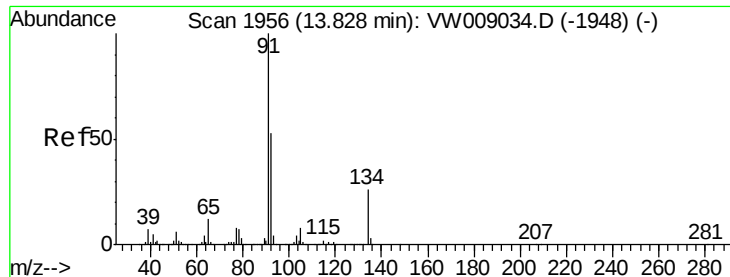
Delta R.T. -0.00 min

Lab File: VW009035.D

Acq: 07 Mar 2019 12:38

Tgt Ion	Ratio	Lower	Upper
146	100		
111	39.3	19.7	59.0
148	64.1	32.2	96.6





#89

n-Butylbenzene

Concen: 105.377 ug/l

RT: 13.83 min Scan# 1956

Delta R.T. -0.00 min

Lab File: VW009035.D

Acq: 07 Mar 2019 12:38

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC100

Tot Ion: 91 Resp: 1573281

Ion Ratio Lower Upper

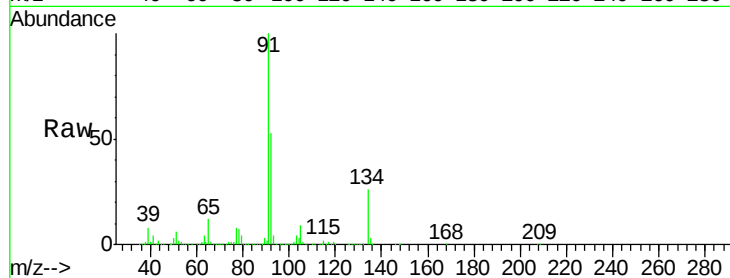
91 100

92 53.5 26.8 80.3

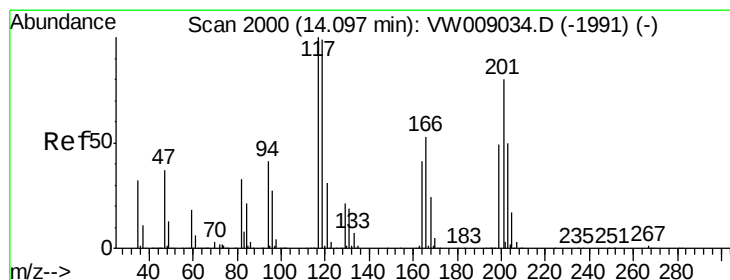
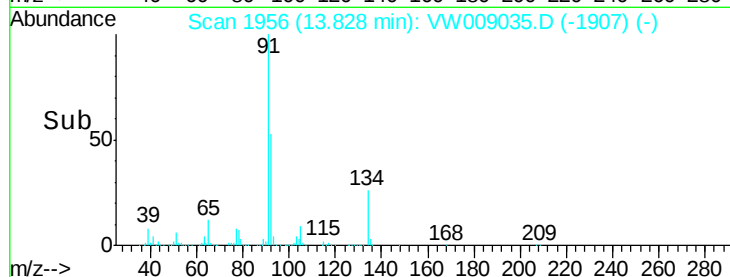
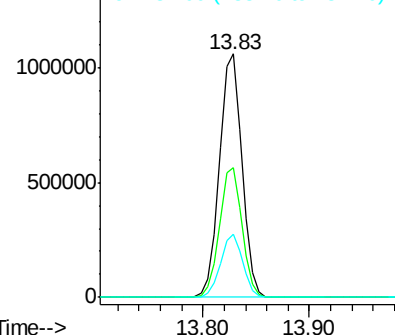
134 25.7 12.9 38.7

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Abundance Ion 91.00 (90.70 to 91.70): VW
Ion 92.00 (91.70 to 92.70): VW
Ion 134.00 (133.70 to 134.70): V



#90

Hexachloroethane

Concen: 102.682 ug/l

RT: 14.10 min Scan# 2000

Delta R.T. -0.00 min

Lab File: VW009035.D

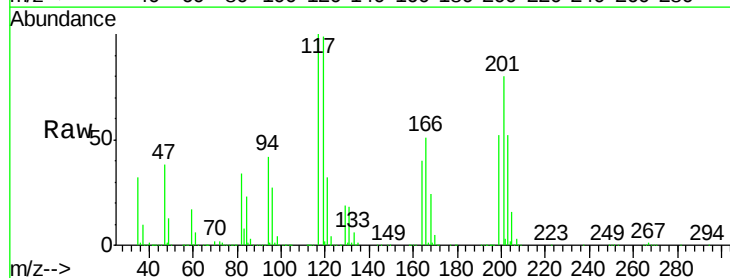
Acq: 07 Mar 2019 12:38

Tgt Ion: 117 Resp: 277001

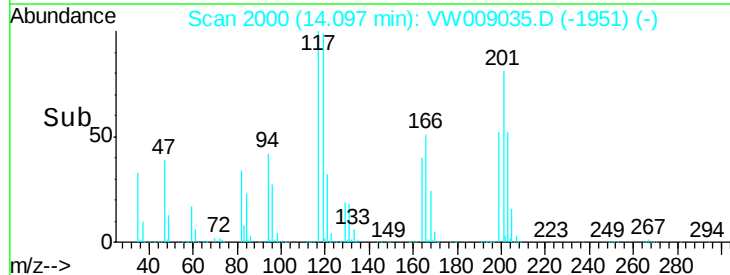
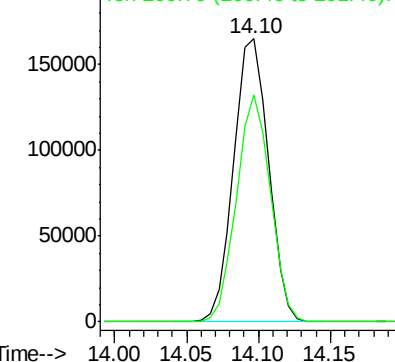
Ion Ratio Lower Upper

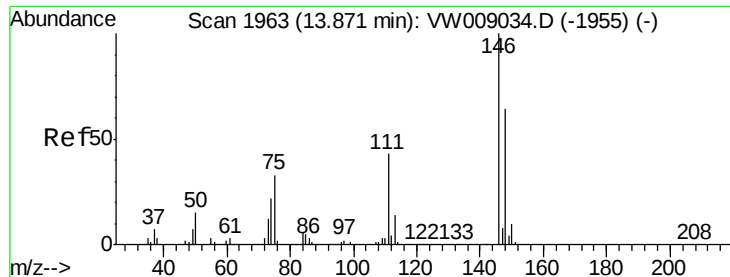
117 100

201 77.8 39.1 117.5



Abundance Ion 116.80 (116.50 to 117.50): V
Ion 200.70 (200.40 to 201.40): V





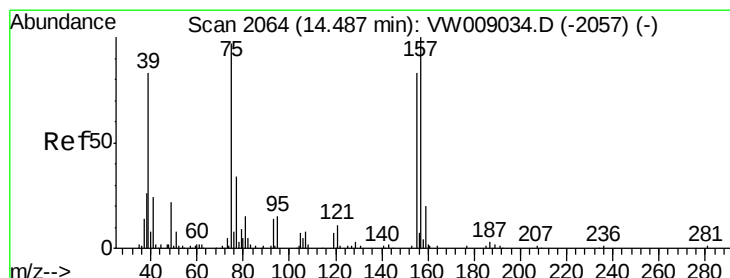
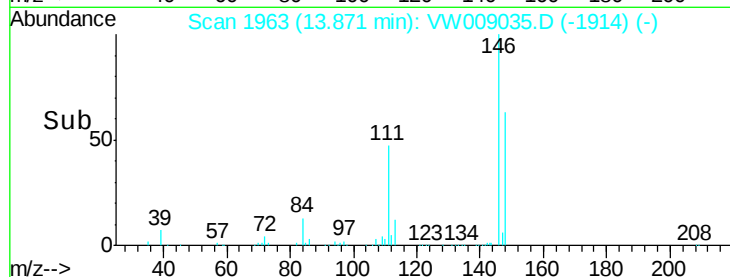
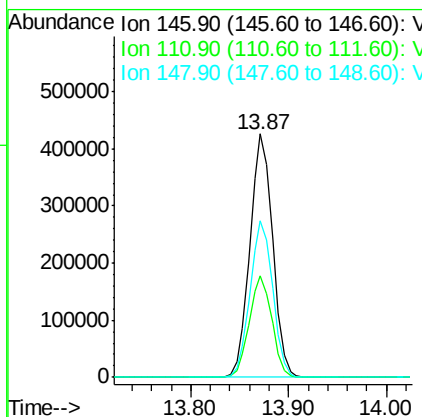
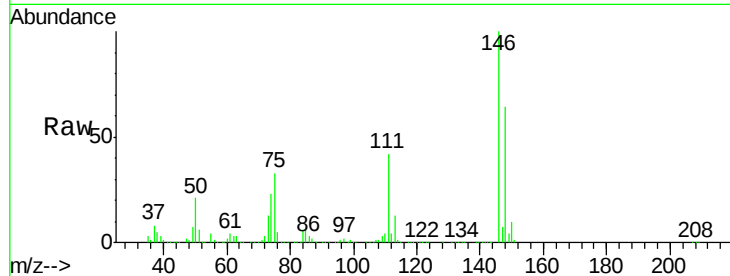
#91
 1,2-Dichlorobenzene
 Concen: 100.291 ug/l
 RT: 13.87 min Scan# 1963
 Delta R.T. -0.00 min
 Lab File: VW009035.D
 Acq: 07 Mar 2019 12:38

Instrument :
 MSVOA_W
 ClientSampled :
 VSTDIC100

Tot Ion	Ratio	Lower	Upper
146	100		
111	41.4	21.1	63.1
148	64.0	32.3	96.9

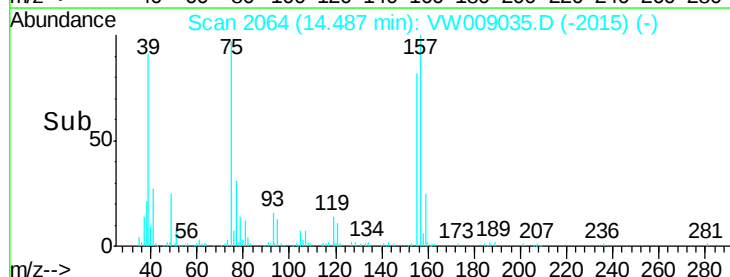
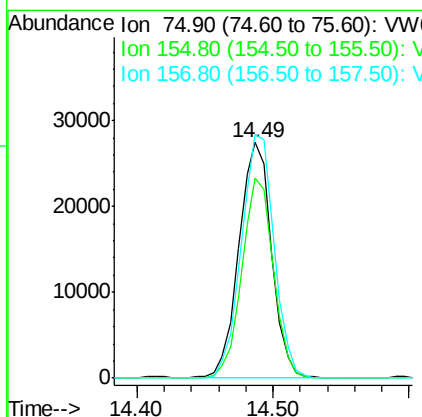
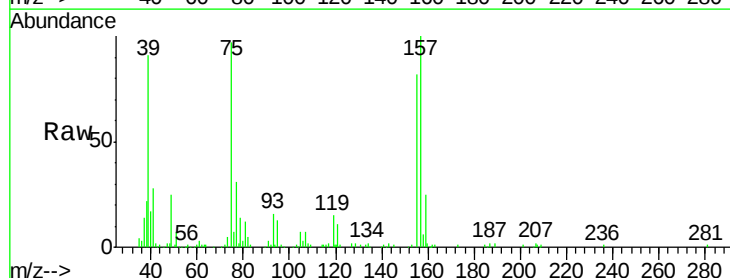
Manual Integrations
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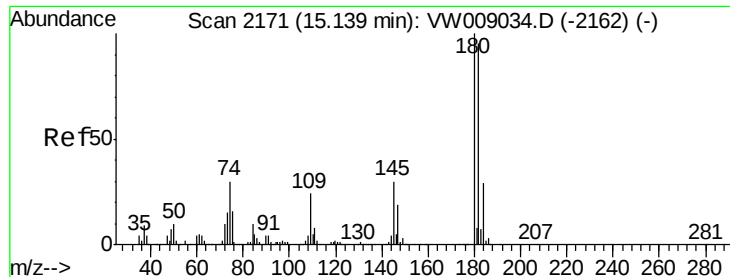
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 95.455 ug/l
 RT: 14.49 min Scan# 2064
 Delta R.T. -0.00 min
 Lab File: VW009035.D
 Acq: 07 Mar 2019 12:38

Tgt Ion	Ratio	Lower	Upper
75	100		
155	81.9	40.8	122.4
157	104.2	52.4	157.3





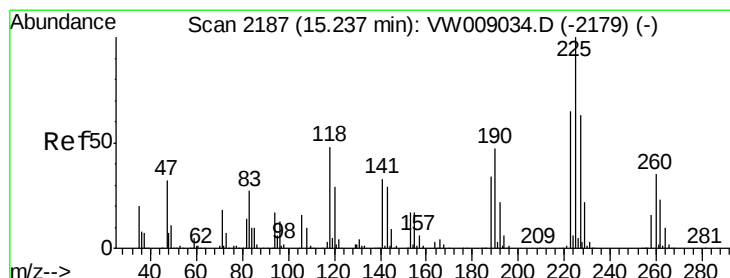
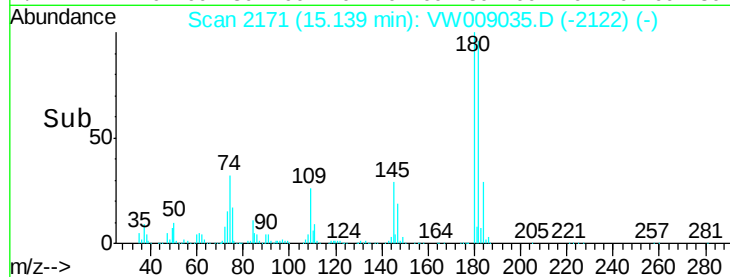
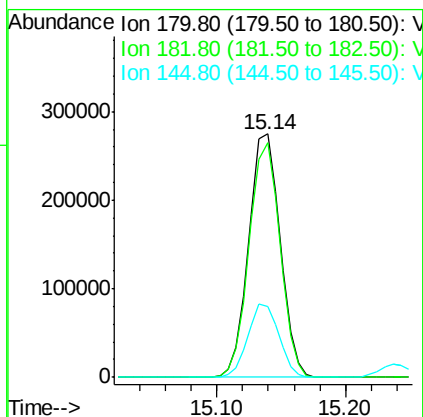
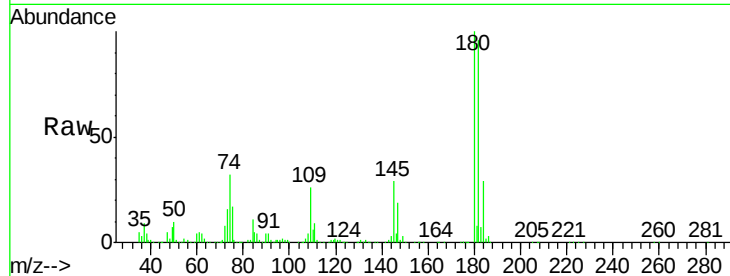
#93
 1,2,4-Trichlorobenzene
 Concen: 99.033 ug/l
 RT: 15.14 min Scan# 2171
 Delta R.T. -0.00 min
 Lab File: VW009035.D
 Acq: 07 Mar 2019 12:38

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC100

Tot Ion	Ratio	Resp	Lower	Upper
180	100	463251		
182	94.8	48.1	144.3	
145	29.9	15.4	46.1	

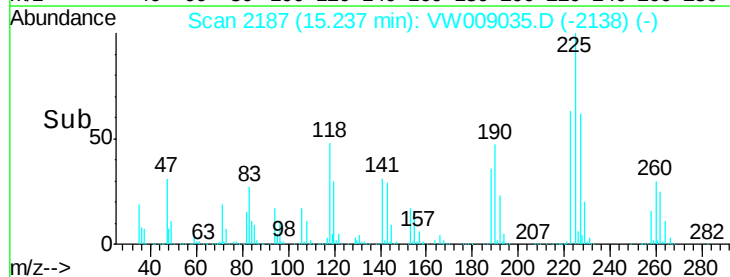
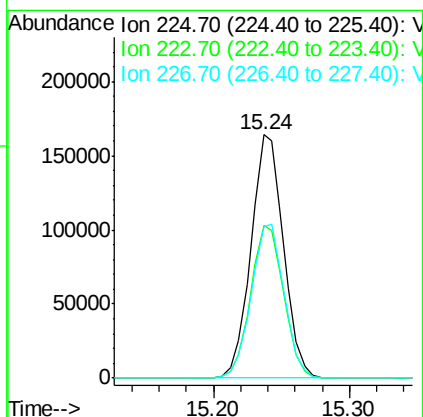
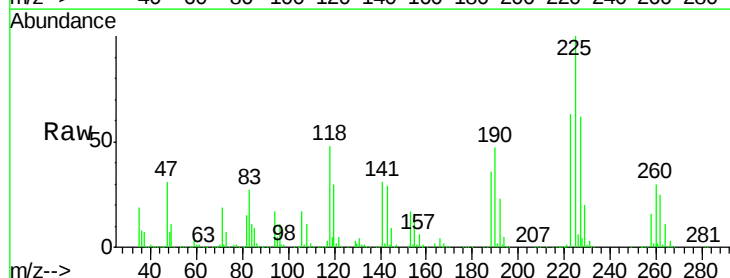
Manual Integrations
 APPROVED

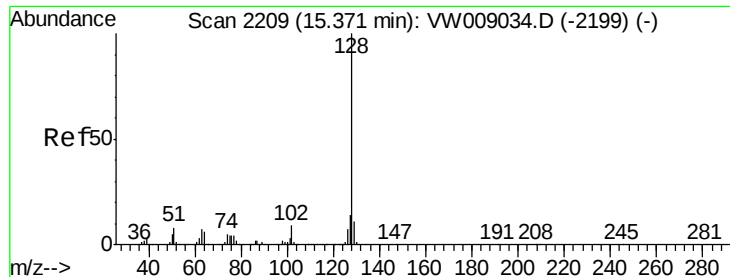
MMDadoda
 3/8/2019 12:06:53 PM



#94
 Hexachlorobutadiene
 Concen: 93.832 ug/l
 RT: 15.24 min Scan# 2187
 Delta R.T. -0.00 min
 Lab File: VW009035.D
 Acq: 07 Mar 2019 12:38

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	274348		
223	63.8	31.6	94.8	
227	64.4	32.0	96.2	





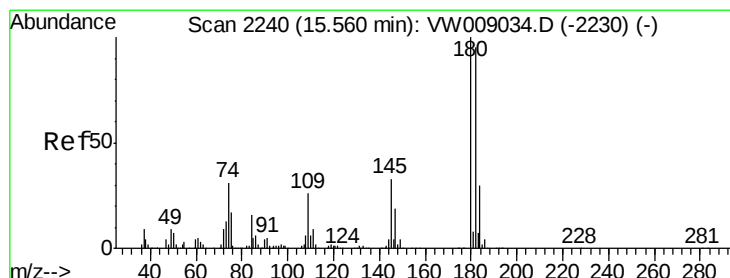
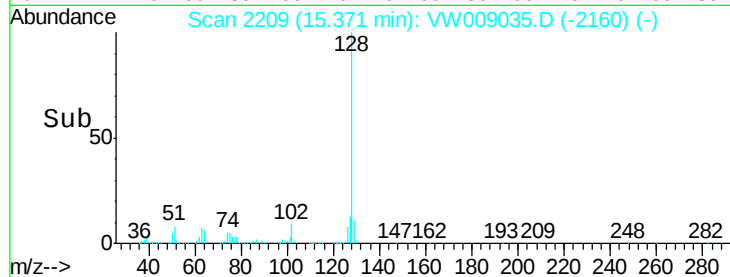
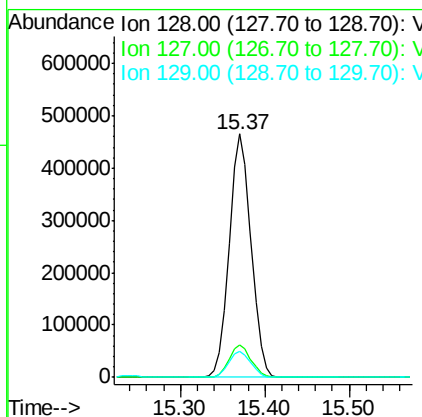
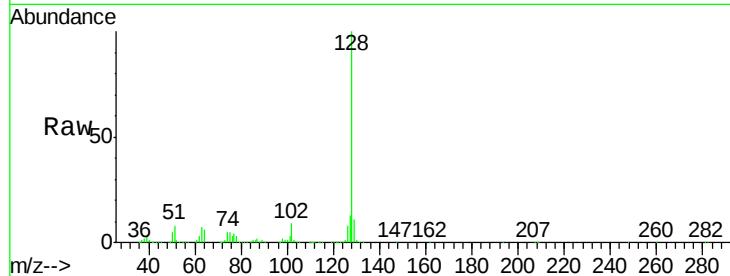
#95
Naphthalene
Concen: 105.643 ug/l
RT: 15.37 min Scan# 2209
Delta R.T. -0.00 min
Lab File: VW009035.D
Acq: 07 Mar 2019 12:38

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Resp	Lower	Upper
128	100	818713		
127	13.5		11.0	16.6
129	10.8		8.8	13.2

Manual Integrations
APPROVED

MMDadoda
3/8/2019 12:06:53 PM



#96
1,2,3-Trichlorobenzene
Concen: 95.916 ug/l
RT: 15.56 min Scan# 2240
Delta R.T. -0.00 min
Lab File: VW009035.D
Acq: 07 Mar 2019 12:38

Tgt Ion	Ratio	Resp	Lower	Upper
180	100	393973		
182	95.1		48.1	144.3
145	31.9		15.8	47.3

