

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW030719\
 Data File : VW009032.D
 Acq On : 07 Mar 2019 11:21
 Operator : SY/VA
 Sample : VSTDIC010
 Misc : 5.00G/5ML/MSVOA W/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC010

Manual Integrations
 APPROVED

MMDadoda
 3/8/2019 12:07:05 PM

Quant Time: Mar 08 03:33:37 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	292201	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	410797	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	406110	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	223171	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.31	65	27578	9.21	ug/l	0.00
Spiked Amount	50.000		Recovery	=	18.42%	
35) Dibromofluoromethane	7.88	113	22384	9.03	ug/l	0.00
Spiked Amount	50.000		Recovery	=	18.06%	
50) Toluene-d8	10.32	98	95504	9.32	ug/l	0.00
Spiked Amount	50.000		Recovery	=	18.64%	
62) 4-Bromofluorobenzene	12.62	95	37507	9.31	ug/l	0.00
Spiked Amount	50.000		Recovery	=	18.62%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.00	85	32272	10.975	ug/l	98
3) Chloromethane	2.21	50	37757	10.204	ug/l	94
4) Vinyl Chloride	2.35	62	37716	9.928	ug/l	97
5) Bromomethane	2.76	94	36696	11.342	ug/l	98
6) Chloroethane	2.91	64	26110	9.613	ug/l	99
7) Trichlorofluoromethane	3.26	101	47431	9.773	ug/l	92
8) Diethyl Ether	3.68	74	13967	9.542	ug/l	94
9) 1,1,2-Trichlorotrifluoroet	4.06	101	29864	9.894	ug/l	98
10) Methyl Iodide	4.27	142	20258	7.063	ug/l	97
11) Tert butyl alcohol	5.19	59	12127	57.956	ug/l #	91
12) 1,1-Dichloroethene	4.04	96	24947	9.495	ug/l	96
13) Acrolein	3.90	56	13750	54.891	ug/l	97
14) Allyl chloride	4.67	41	41964	9.211	ug/l	99
15) Acrylonitrile	5.37	53	33777	51.171	ug/l	96
16) Acetone	4.14	43	33580	50.165	ug/l	95
17) Carbon Disulfide	4.38	76	83829	9.521	ug/l	97
18) Methyl Acetate	4.68	43	14755	9.590	ug/l	97
19) Methyl tert-butyl Ether	5.42	73	65085	9.396	ug/l	92
20) Methylene Chloride	4.92	84	45339	11.898	ug/l	95
21) trans-1,2-Dichloroethene	5.42	96	29312	9.658	ug/l	89
22) Diisopropyl ether	6.31	45	84648	9.226	ug/l	89
23) Vinyl Acetate	6.26	43	266710	46.638	ug/l	98
24) 1,1-Dichloroethane	6.22	63	49810	9.362	ug/l #	95
25) 2-Butanone	7.17	43	45266	49.816	ug/l	95
26) 2,2-Dichloropropane	7.17	77	47798	9.832	ug/l	98
27) cis-1,2-Dichloroethene	7.17	96	30496	9.435	ug/l	98
28) Bromochloromethane	7.52	49	21239	9.645	ug/l	99
29) Tetrahydrofuran	7.54	42	27560	47.307	ug/l	98
30) Chloroform	7.68	83	50879	9.358	ug/l	100
31) Cyclohexane	7.95	56	55210	10.199	ug/l #	91
32) 1,1,1-Trichloroethane	7.87	97	48835	9.754	ug/l	99
36) 1,1-Dichloropropene	8.08	75	42341	9.962	ug/l	97
37) Ethyl Acetate	7.26	43	20633	10.333	ug/l #	97
38) Carbon Tetrachloride	8.07	117	44211	10.036	ug/l	95

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.34	83	47642	9.358	ug/l	98
40) Benzene	8.32	78	108422	9.593	ug/l	97
41) Methacrylonitrile	7.48	41	11473m	10.902	ug/l	
42) 1,2-Dichloroethane	8.40	62	35825	9.727	ug/l	100
43) Isopropyl Acetate	8.43	43	36189	9.688	ug/l	97
44) Trichloroethene	9.09	130	32020	10.077	ug/l	96
45) 1,2-Dichloropropane	9.37	63	27639	9.831	ug/l	98
46) Dibromomethane	9.46	93	15170	9.715	ug/l	94
47) Bromodichloromethane	9.64	83	39038	9.919	ug/l	92
48) Methyl methacrylate	9.44	41	16235	9.217	ug/l	95
49) 1,4-Dioxane	9.46	88	4896	213.569	ug/l #	79
51) 4-Methyl-2-Pentanone	10.21	43	93692	49.213	ug/l	100
52) Toluene	10.39	92	75046	9.736	ug/l	98
53) t-1,3-Dichloropropene	10.60	75	36579	9.346	ug/l	90
54) cis-1,3-Dichloropropene	10.07	75	42850	9.595	ug/l	98
55) 1,1,2-Trichloroethane	10.78	97	20718	9.791	ug/l	93
56) Ethyl methacrylate	10.65	69	24653	9.291	ug/l	98
57) 1,3-Dichloropropane	10.93	76	37198	9.902	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.93	63	67625	49.052	ug/l	98
59) 2-Hexanone	10.97	43	66436	49.428	ug/l	99
60) Dibromochloromethane	11.13	129	25243	9.710	ug/l	97
61) 1,2-Dibromoethane	11.23	107	20511	9.974	ug/l	97
64) Tetrachloroethene	10.86	164	29186	9.899	ug/l	94
65) Chlorobenzene	11.66	112	85932	9.822	ug/l	97
66) 1,1,1,2-Tetrachloroethane	11.73	131	27872	9.556	ug/l	99
67) Ethyl Benzene	11.73	91	148285	9.433	ug/l	98
68) m/p-Xylenes	11.84	106	118345	19.049	ug/l	97
69) o-Xylene	12.16	106	55084	9.511	ug/l	98
70) Styrene	12.18	104	85733	9.093	ug/l	99
71) Bromoform	12.35	173	14592	9.226	ug/l #	97
73) Isopropylbenzene	12.46	105	146817	9.258	ug/l	98
74) N-amyl acetate	12.27	43	33837	8.926	ug/l	94
75) 1,1,2,2-Tetrachloroethane	12.71	83	25850	10.248	ug/l	99
76) 1,2,3-Trichloropropane	12.76	75	18353m	7.386	ug/l	
77) Bromobenzene	12.75	156	35707	9.847	ug/l	96
78) n-propylbenzene	12.80	91	182205	9.359	ug/l	100
79) 2-Chlorotoluene	12.90	91	104776	9.578	ug/l	97
80) 1,3,5-Trimethylbenzene	12.94	105	127090	9.298	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.51	75	7497	9.584	ug/l	97
82) 4-Chlorotoluene	12.99	91	107953	9.261	ug/l	97
83) tert-Butylbenzene	13.21	119	107266	9.343	ug/l	98
84) 1,2,4-Trimethylbenzene	13.26	105	125336	9.084	ug/l	100
85) sec-Butylbenzene	13.38	105	158551	9.320	ug/l	99
86) p-Isopropyltoluene	13.50	119	139326	9.137	ug/l	100
87) 1,3-Dichlorobenzene	13.50	146	72146	9.488	ug/l	97
88) 1,4-Dichlorobenzene	13.58	146	74175	9.875	ug/l	98
89) n-Butylbenzene	13.83	91	129766	8.927	ug/l	99
90) Hexachloroethane	14.10	117	23942	9.115	ug/l	94
91) 1,2-Dichlorobenzene	13.87	146	66574	9.995	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.49	75	4760	10.165	ug/l	95

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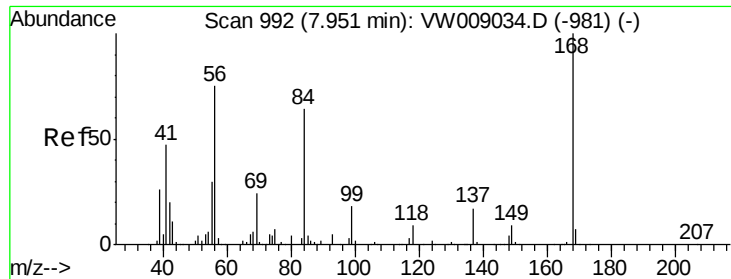
Manual Integrations
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.14	180	42376	9.304	ug/l	99
94) Hexachlorobutadiene	15.24	225	27834	9.777	ug/l	99
95) Naphthalene	15.37	128	66303	8.787	ug/l	99
96) 1,2,3-Trichlorobenzene	15.56	180	38666	9.668	ug/l	98

(#) = 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: VW009032.D

Acq: 07 Mar 2019 11:21

Instrument :

MSVOA_W

ClientSampled :

VSTDIC010

Tot Ion:168 Resp: 292201

Ion Ratio Lower Upper

168 100

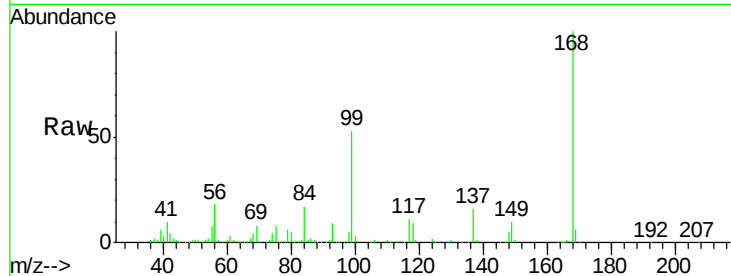
99 53.0 42.2 63.2

Manual Integrations

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW

7.95

150000

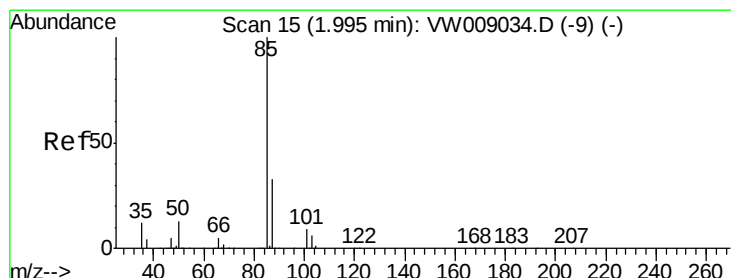
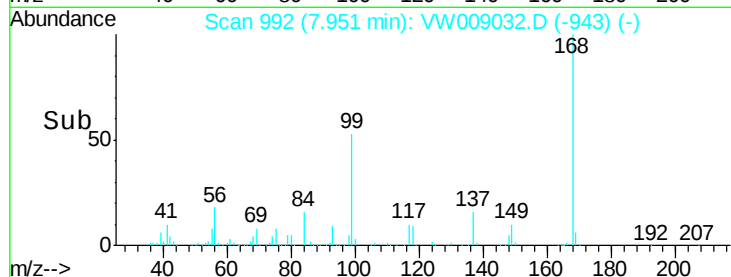
100000

50000

0

7.90 8.00

Time-->



#2

Dichlorodifluoromethane

Concen: 10.975 ug/l

RT: 2.00 min Scan# 15

Delta R.T. 0.00 min

Lab File: VW009032.D

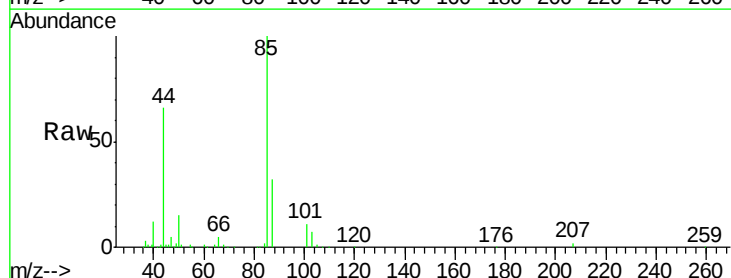
Acq: 07 Mar 2019 11:21

Tgt Ion: 85 Resp: 32272

Ion Ratio Lower Upper

85 100

87 31.6 16.3 48.9



Abundance Ion 84.90 (84.60 to 85.60): VW

Ion 86.90 (86.60 to 87.60): VW

2.00

20000

15000

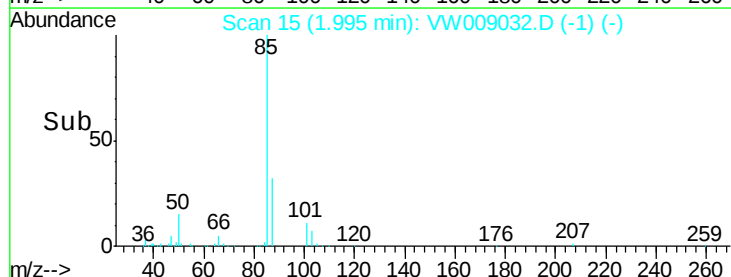
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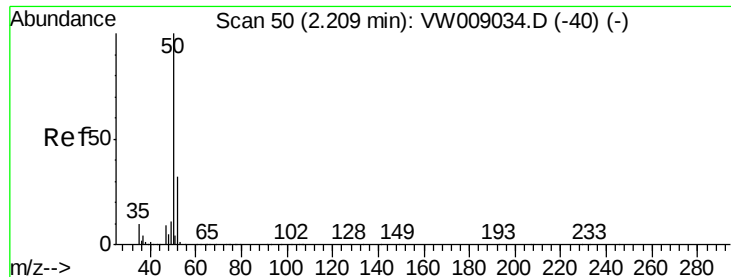
5000

0

1.90 1.95 2.00 2.05 2.10

Time-->





#3

Chloromethane

Concen: 10.204 ug/l

RT: 2.21 min Scan# 50

Delta R.T. 0.00 min

Lab File: VW009032.D

Acq: 07 Mar 2019 11:21

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC010

Tot Ion: 50 Resp: 37757

Ion Ratio Lower Upper

50 100

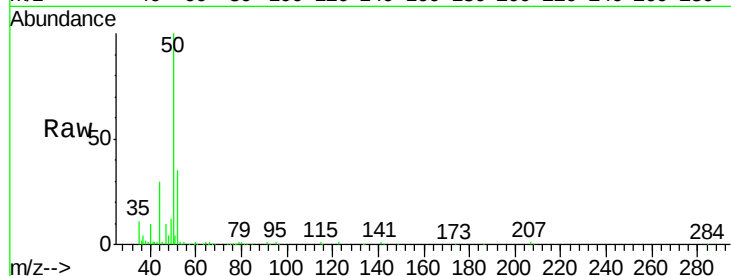
52 34.9 25.4 38.2

Manual Integrations

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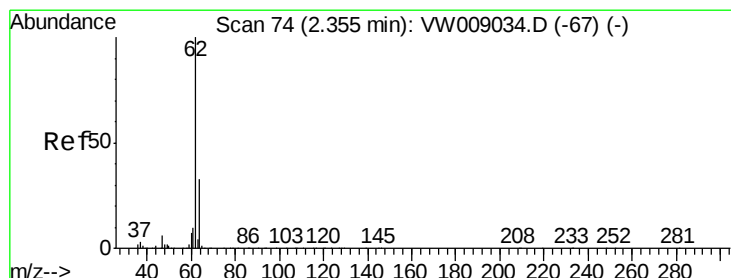
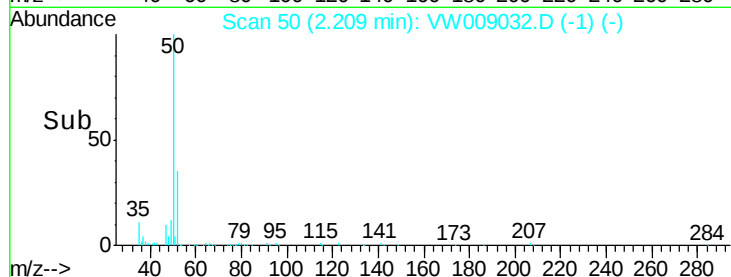
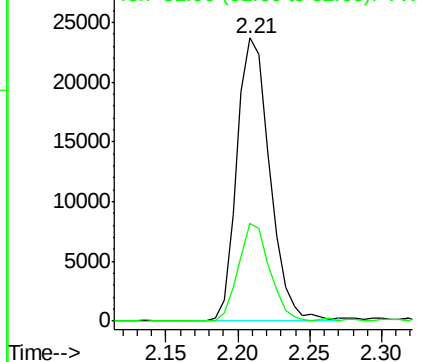
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Abundance Ion 49.90 (49.60 to 50.60): VW

Ion 51.90 (51.60 to 52.60): VW



#4

Vinyl Chloride

Concen: 9.928 ug/l

RT: 2.35 min Scan# 74

Delta R.T. 0.00 min

Lab File: VW009032.D

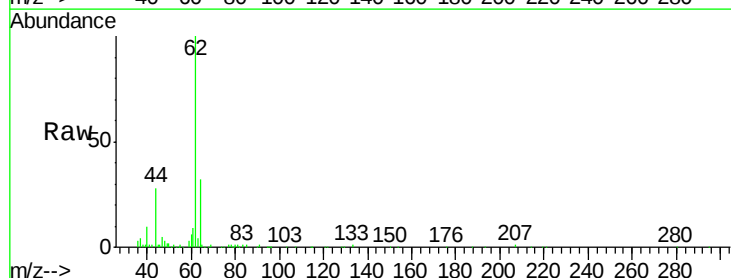
Acq: 07 Mar 2019 11:21

Tgt Ion: 62 Resp: 37716

Ion Ratio Lower Upper

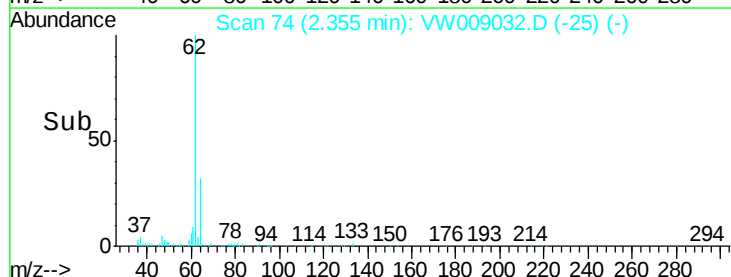
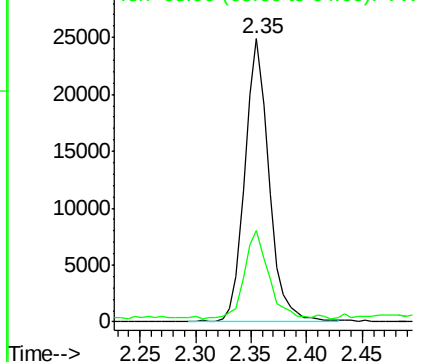
62 100

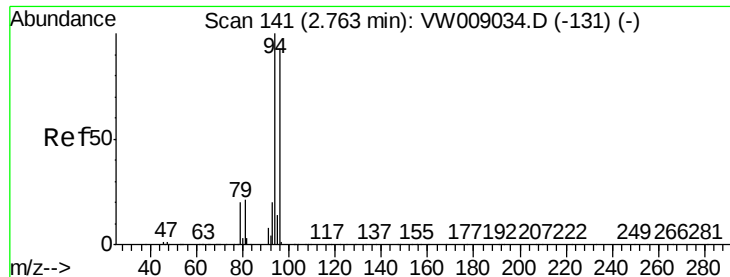
64 30.8 26.0 39.0



Abundance Ion 61.90 (61.60 to 62.60): VW

Ion 63.90 (63.60 to 64.60): VW





#5

Bromomethane

Concen: 11.342 ug/l

RT: 2.76 min Scan# 141

Delta R.T. 0.00 min

Lab File: VW009032.D

Acq: 07 Mar 2019 11:21

Instrument :

MSVOA_W

ClientSampled :

VSTDIC010

Tot Ion: 94 Resp: 36696

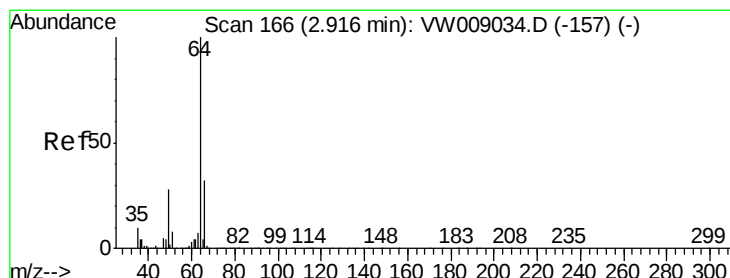
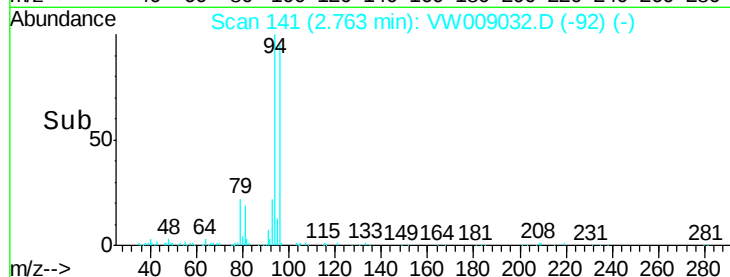
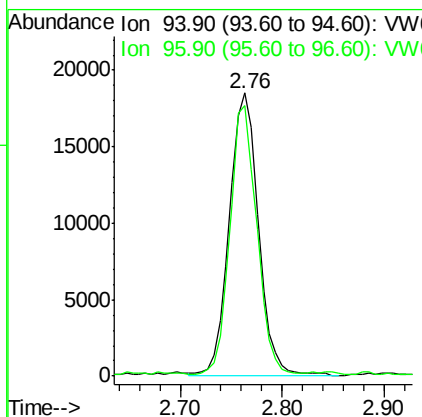
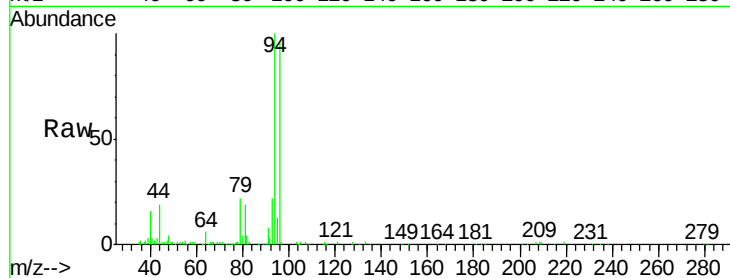
Ion Ratio Lower Upper

94 100

96 95.0 74.4 111.6

Manual Integrations
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#6

Chloroethane

Concen: 9.613 ug/l

RT: 2.91 min Scan# 165

Delta R.T. -0.01 min

Lab File: VW009032.D

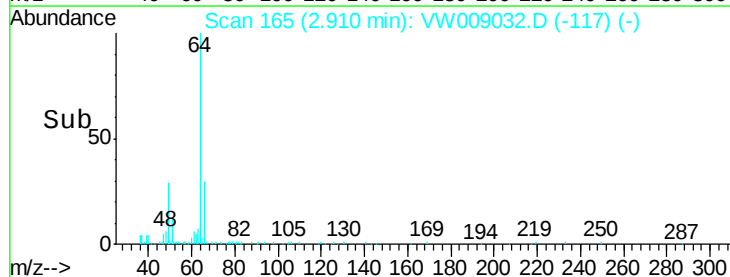
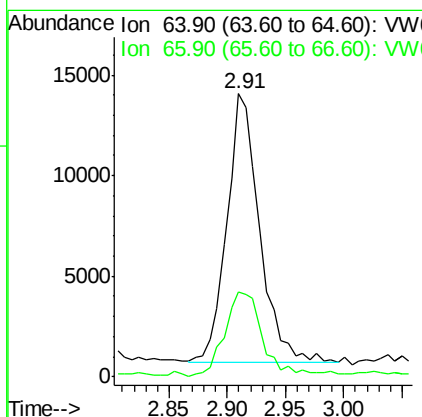
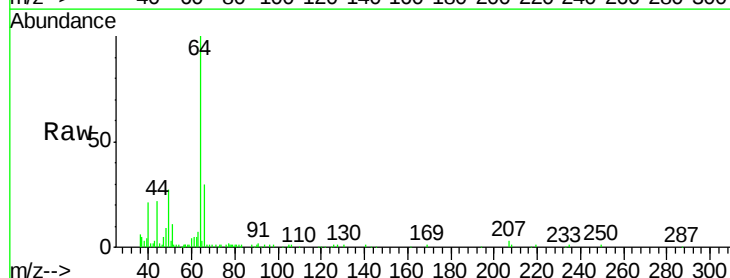
Acq: 07 Mar 2019 11:21

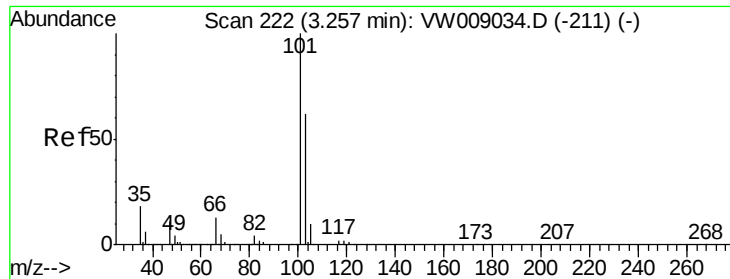
Tgt Ion: 64 Resp: 26110

Ion Ratio Lower Upper

64 100

66 31.5 25.5 38.3





#7

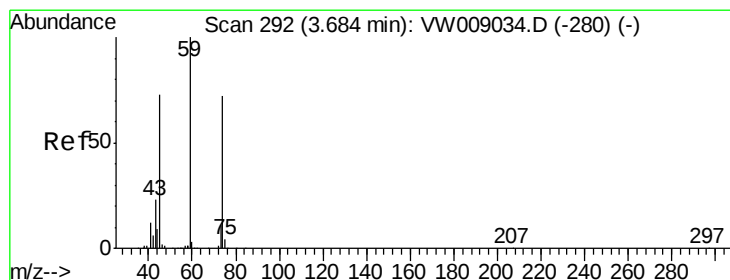
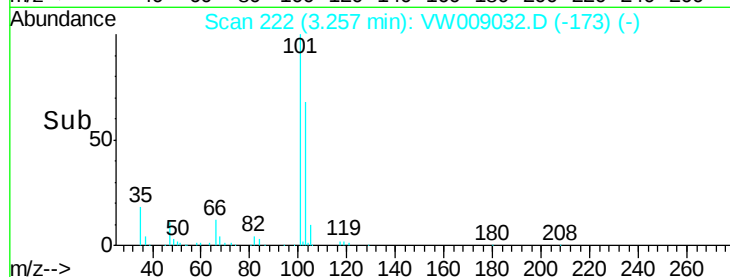
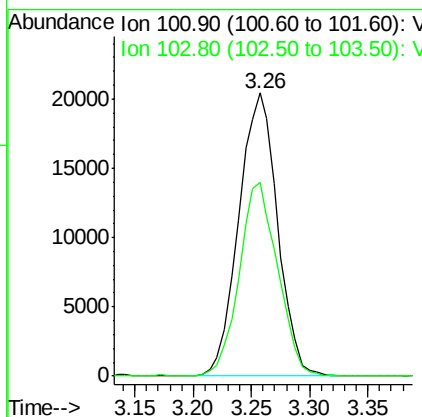
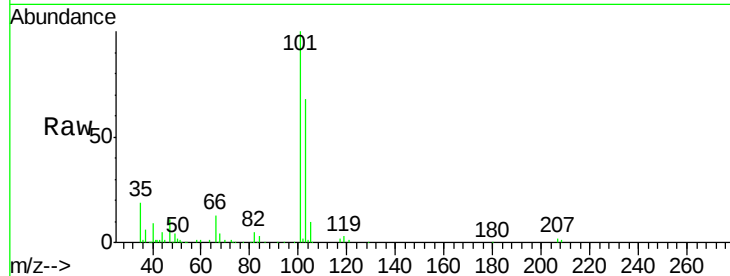
Trichlorofluoromethane
 Concen: 9.773 ug/l
 RT: 3.26 min Scan# 222
 Delta R.T. 0.00 min
 Lab File: VW009032.D
 Acq: 07 Mar 2019 11:21

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC010

Tot Ion	Ratio	Lower	Upper
101	100		
103	68.3	49.9	74.9

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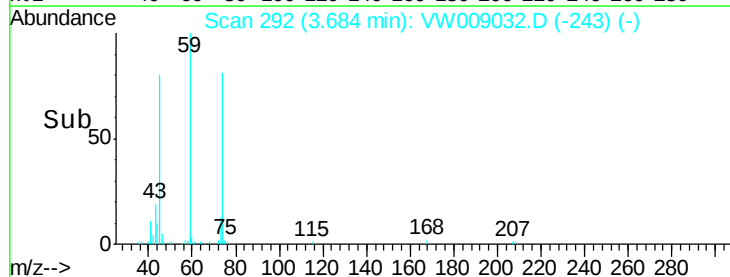
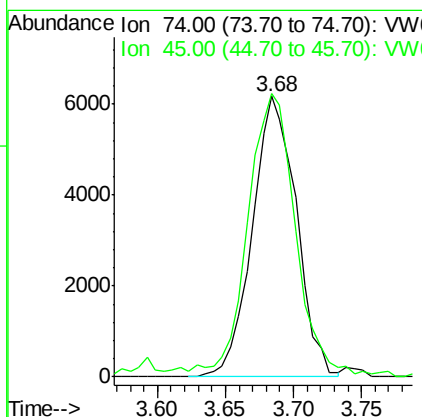
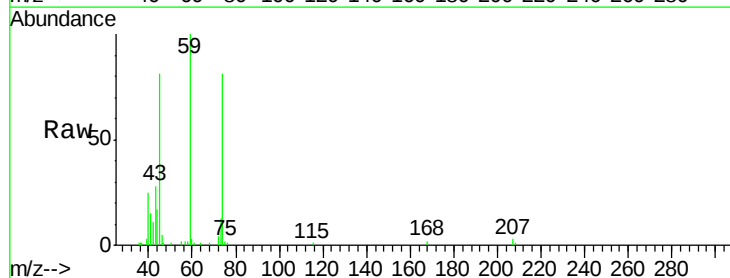
MMDadoda
 3/8/2019 12:07:05 PM

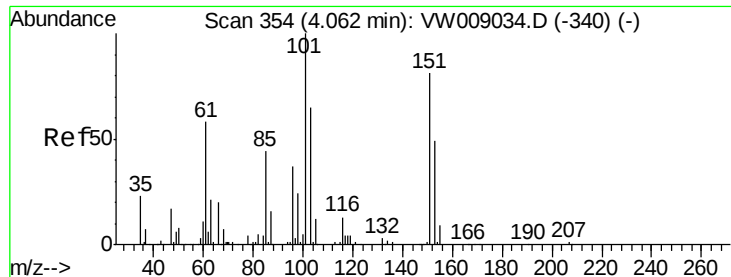


#8

Diethyl Ether
 Concen: 9.542 ug/l
 RT: 3.68 min Scan# 292
 Delta R.T. 0.00 min
 Lab File: VW009032.D
 Acq: 07 Mar 2019 11:21

Tgt Ion	Ratio	Lower	Upper
74	100		
45	110.4	52.3	157.1





#9

1,1,2-Trichlorotrifluoroethane

Concen: 9.894 ug/l

RT: 4.06 min Scan# 353

Delta R.T. -0.01 min

Lab File: VW009032.D

Acq: 07 Mar 2019 11:21

Instrument :

MSVOA_W

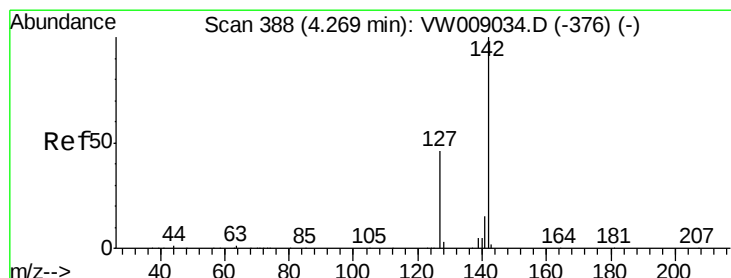
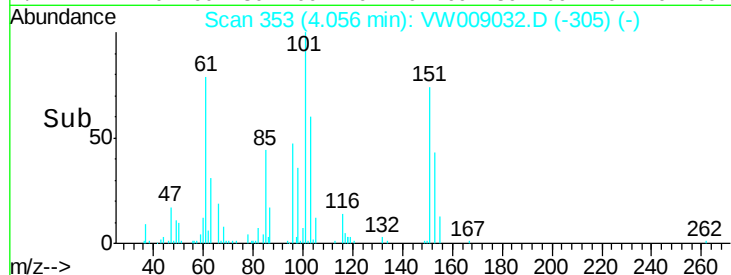
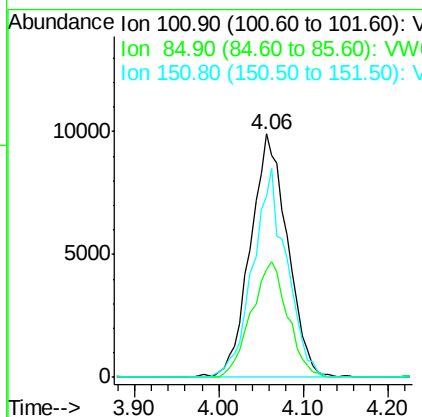
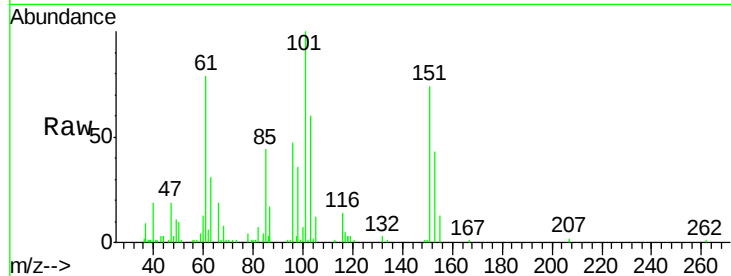
ClientSampled :

VSTDIC010

Tot Ion:	101	Resp:	29864
Ion Ratio	Lower	Upper	
101	100		
85	46.5	36.2	54.4
151	78.1	63.4	95.2

Manual Integrations
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#10

Methyl Iodide

Concen: 7.063 ug/l

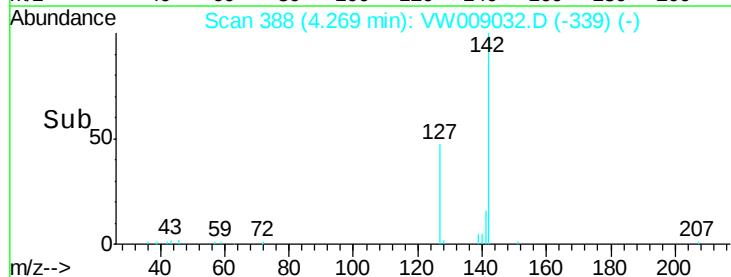
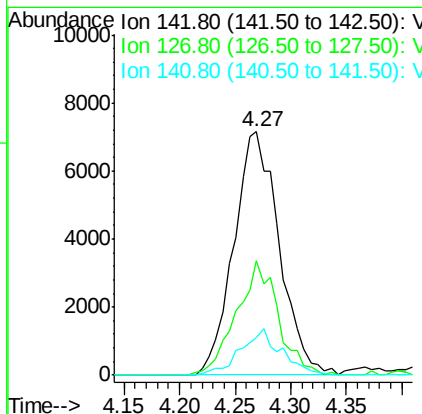
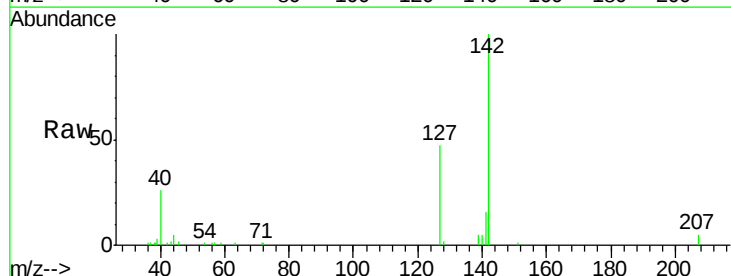
RT: 4.27 min Scan# 388

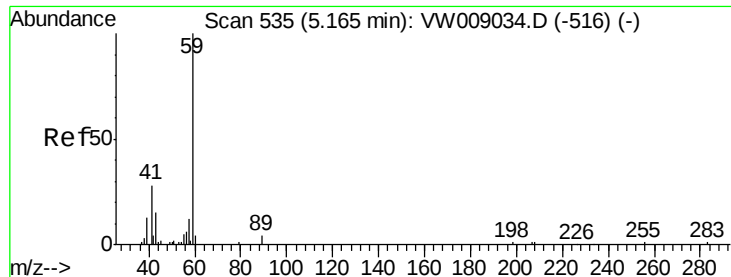
Delta R.T. 0.00 min

Lab File: VW009032.D

Acq: 07 Mar 2019 11:21

Tgt Ion:	142	Resp:	20258
Ion Ratio	Lower	Upper	
142	100		
127	43.1	35.8	53.6
141	16.9	11.8	17.8





#11

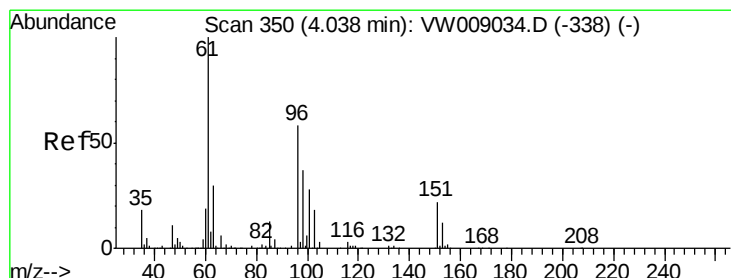
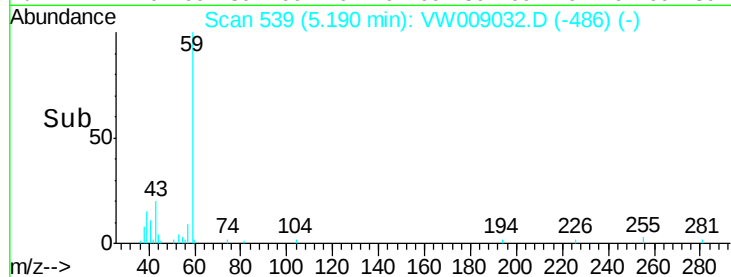
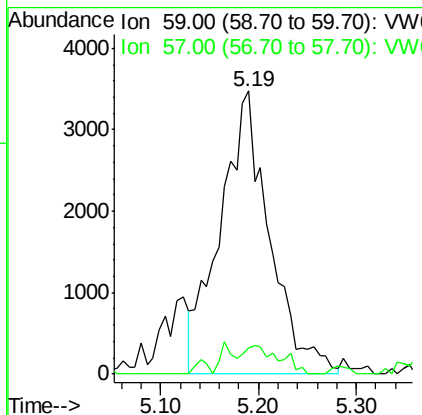
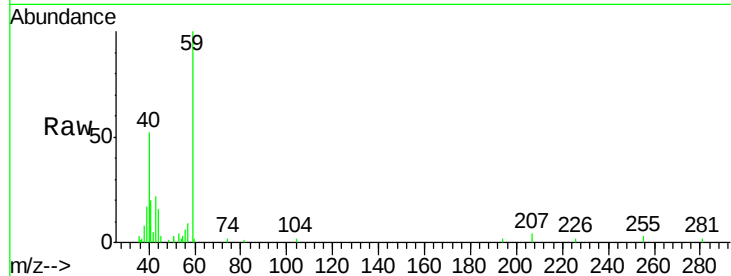
Tert butyl alcohol
Concen: 57.956 ug/l
RT: 5.19 min Scan# 539
Delta R.T. 0.02 min
Lab File: VW009032.D
Acq: 07 Mar 2019 11:21

Instrument :
MSVOA_W
ClientSampled :
VSTDIC010

Tot Ion	Ratio	Lower	Upper
59	100		
57	7.4	8.6	12.8#

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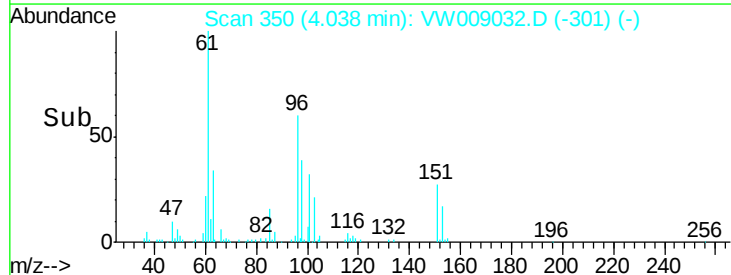
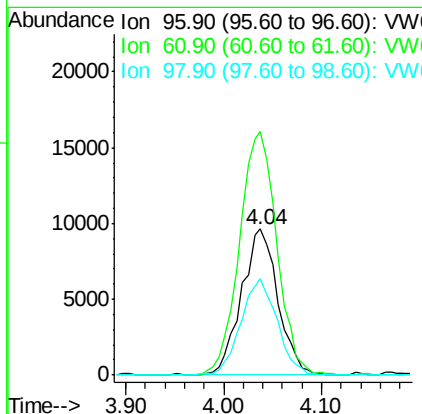
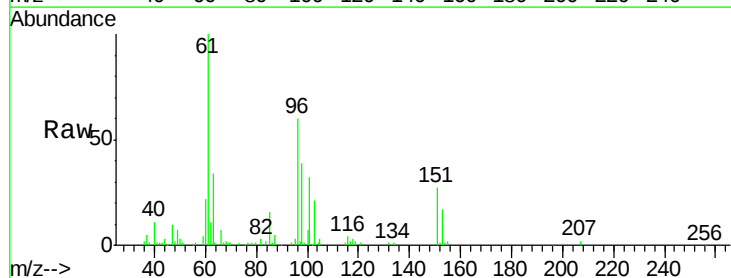
MMDadoda
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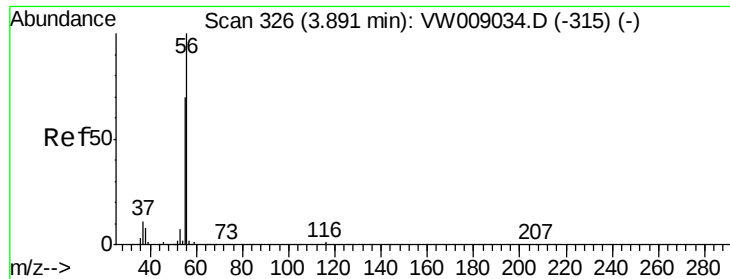


#12

1,1-Dichloroethene
Concen: 9.495 ug/l
RT: 4.04 min Scan# 350
Delta R.T. 0.00 min
Lab File: VW009032.D
Acq: 07 Mar 2019 11:21

Tgt Ion	Ratio	Lower	Upper
96	100		
61	166.7	138.2	207.2
98	65.8	51.3	76.9





#13

Acrolein

Concen: 54.891 ug/l

RT: 3.90 min Scan# 327

Delta R.T. 0.01 min

Lab File: VW009032.D

Acq: 07 Mar 2019 11:21

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC010

Tot Ion: 56 Resp: 13750

Ion Ratio Lower Upper

56 100

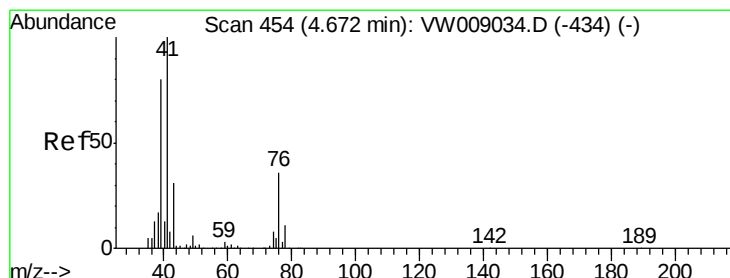
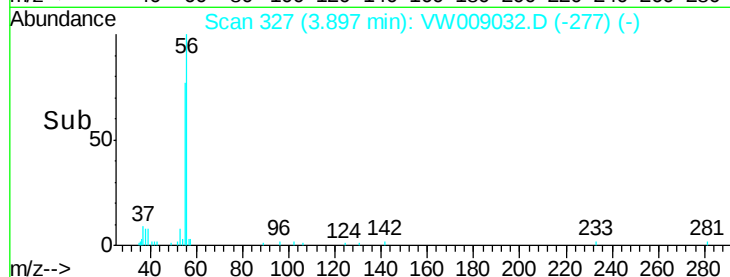
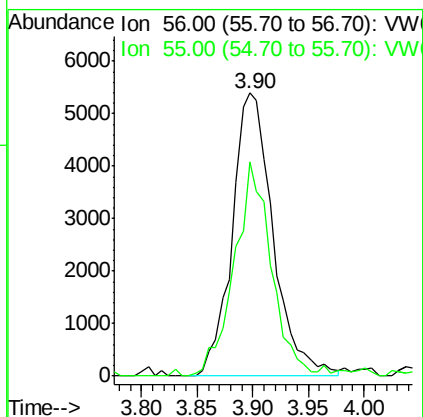
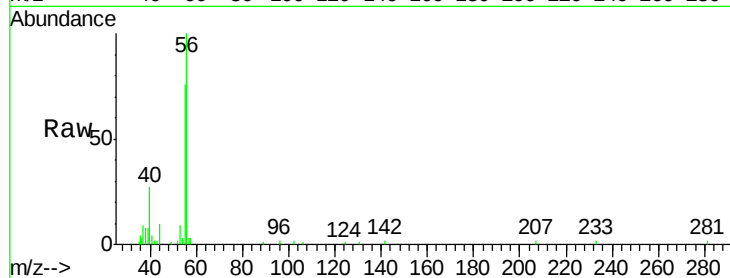
55 68.5 56.6 84.8

Manual Integrations

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#14

Allyl chloride

Concen: 9.211 ug/l

RT: 4.67 min Scan# 453

Delta R.T. -0.01 min

Lab File: VW009032.D

Acq: 07 Mar 2019 11:21

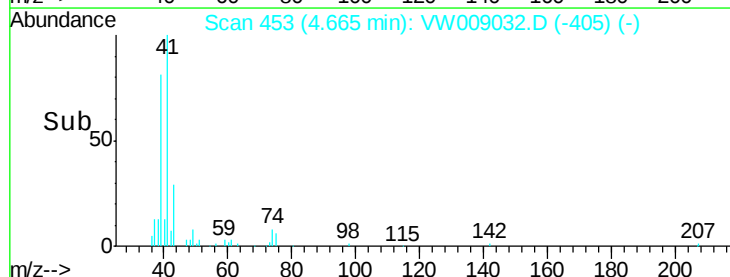
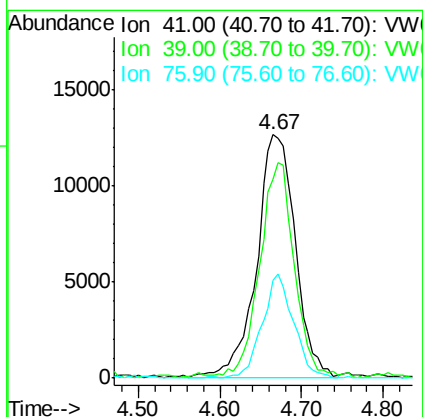
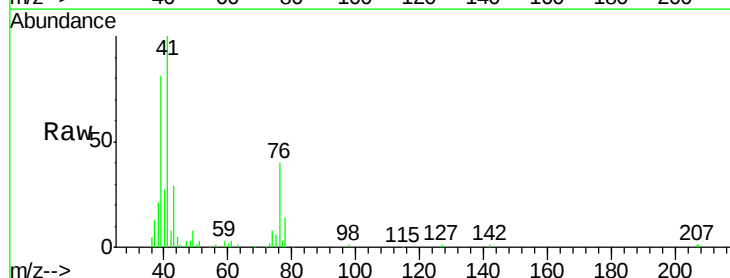
Tgt Ion: 41 Resp: 41964

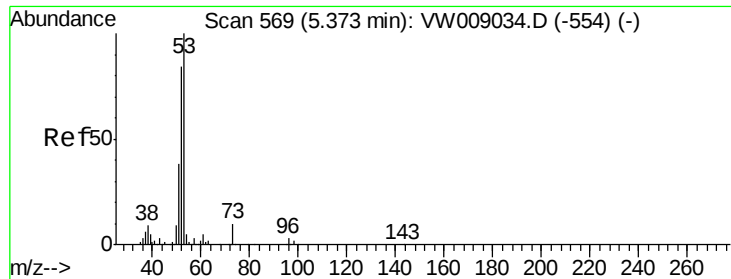
Ion Ratio Lower Upper

41 100

39 79.5 63.0 94.4

76 34.2 28.2 42.2





#15

Acrylonitrile

Concen: 51.171 ug/l

RT: 5.37 min Scan# 569

Delta R.T. 0.00 min

Lab File: VW009032.D

Acq: 07 Mar 2019 11:21

Instrument :

MSVOA_W

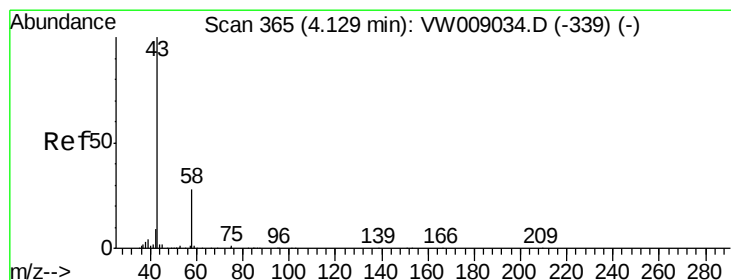
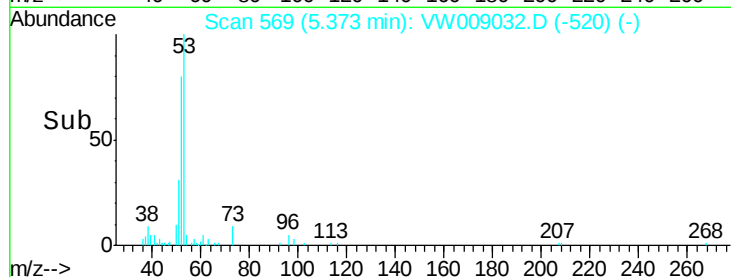
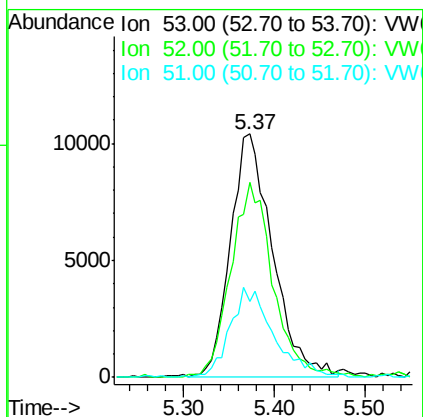
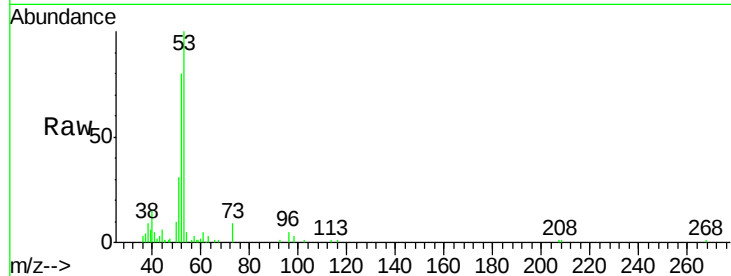
ClientSampled :

VSTDIC010

Tot Ion:	53	Resp:	33777
Ion	Ratio	Lower	Upper
53	100		
52	79.9	67.2	100.8
51	38.1	31.8	47.6

Manual Integrations
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#16

Acetone

Concen: 50.165 ug/l

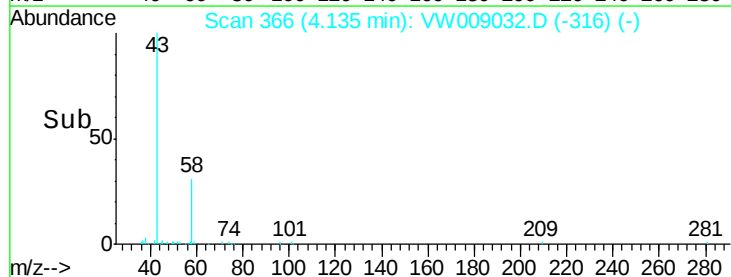
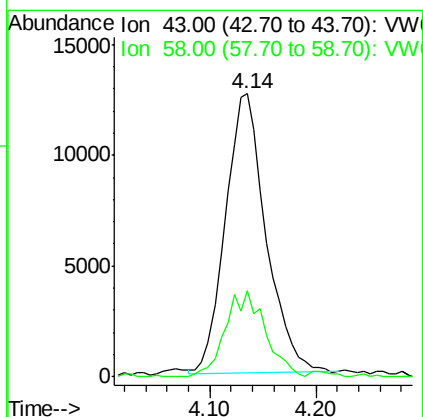
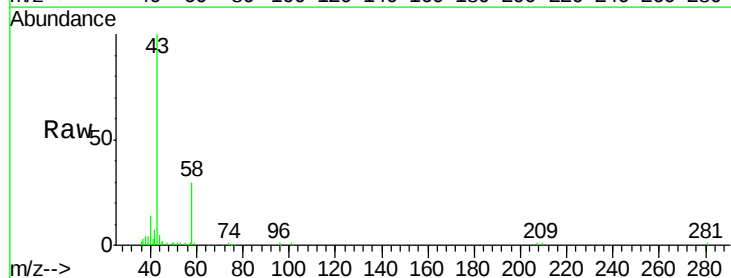
RT: 4.14 min Scan# 366

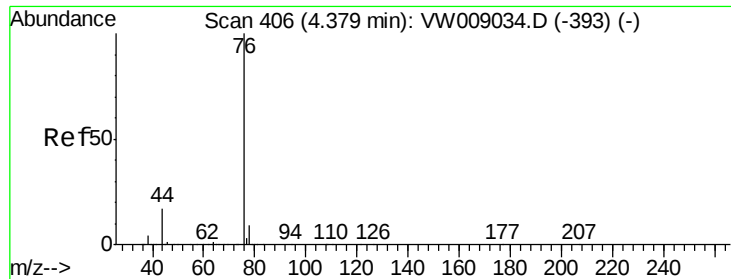
Delta R.T. 0.01 min

Lab File: VW009032.D

Acq: 07 Mar 2019 11:21

Tgt Ion:	43	Resp:	33580
Ion	Ratio	Lower	Upper
43	100		
58	30.9	22.5	33.7





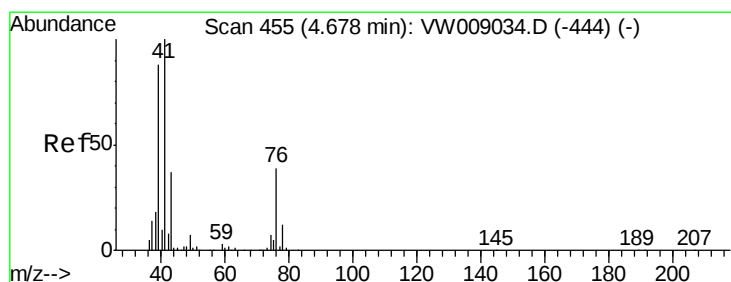
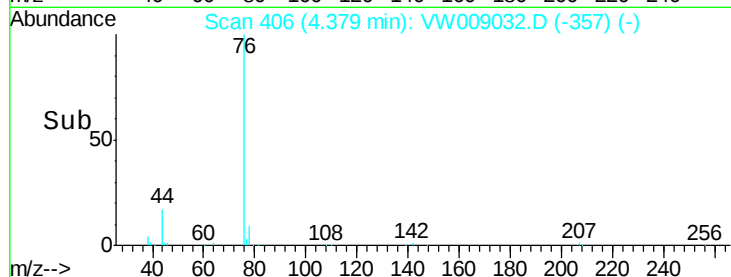
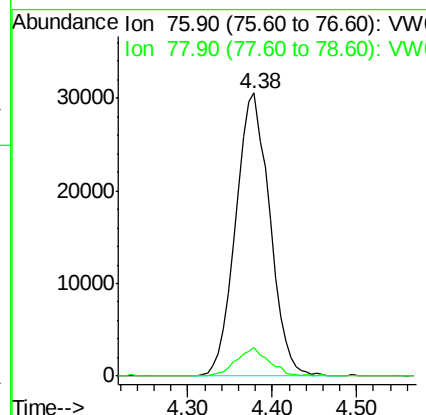
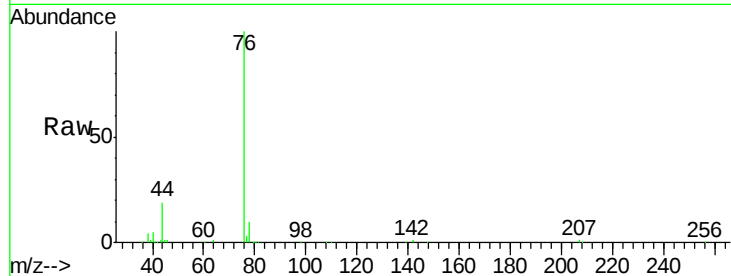
#17
Carbon Disulfide
Concen: 9.521 ug/l
RT: 4.38 min Scan# 406
Delta R.T. 0.00 min
Lab File: VW009032.D
Acq: 07 Mar 2019 11:21

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC010

Tot Ion	Ratio	Lower	Upper
76	100		
78	10.0	7.0	10.6

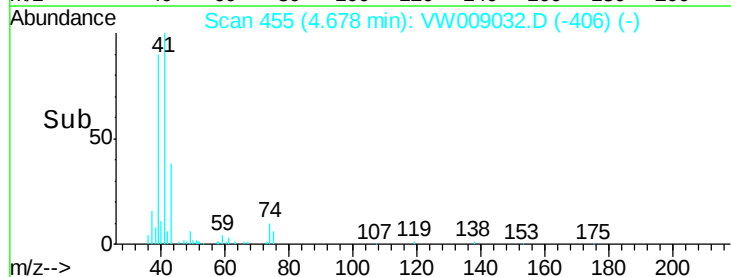
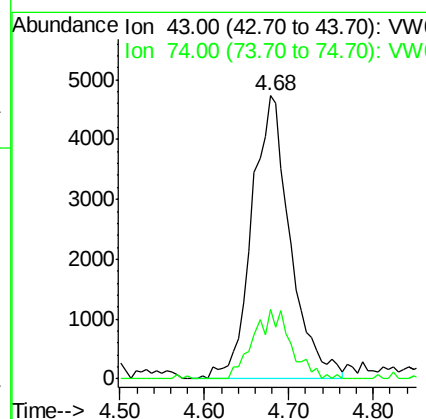
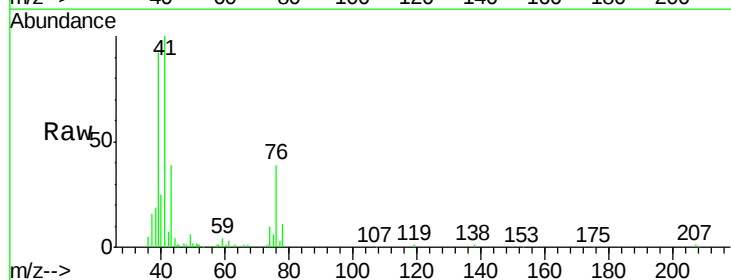
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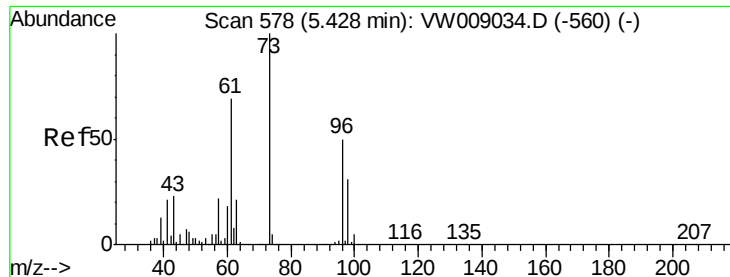
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#18
Methyl Acetate
Concen: 9.590 ug/l
RT: 4.68 min Scan# 455
Delta R.T. 0.00 min
Lab File: VW009032.D
Acq: 07 Mar 2019 11:21

Tgt Ion	Ratio	Lower	Upper
43	100		
74	23.7	17.6	26.4





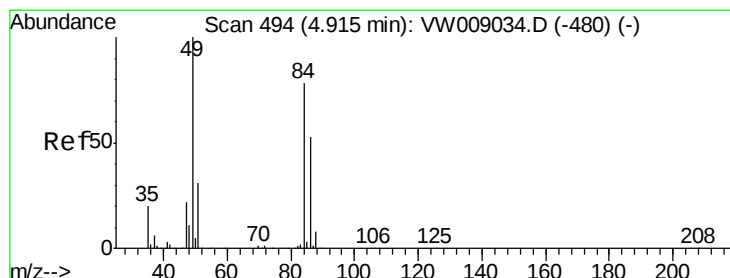
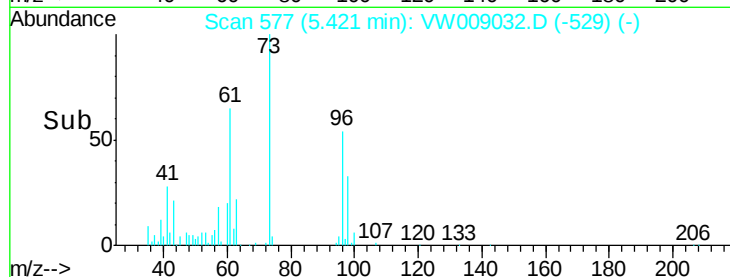
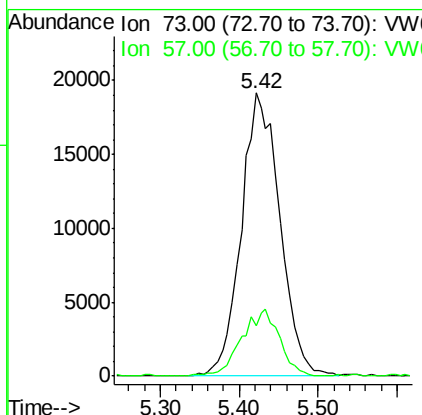
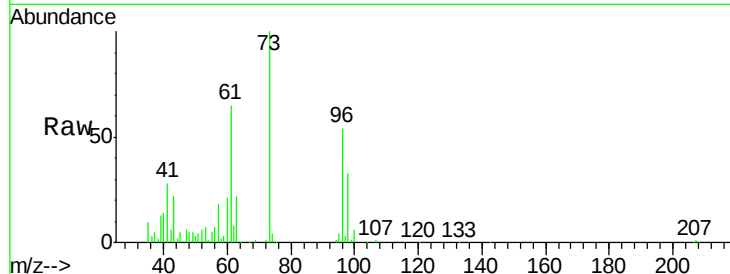
#19
Methvl tert-butvl Ether
Concen: 9.396 ug/l
RT: 5.42 min Scan# 577
Delta R.T. -0.01 min
Lab File: VW009032.D
Acq: 07 Mar 2019 11:21

Instrument :
MSVOA_W
ClientSampled :
VSTDIC010

Tot Ion: 73 Resp: 65085
Ion Ratio Lower Upper
73 100
57 17.6 17.3 25.9

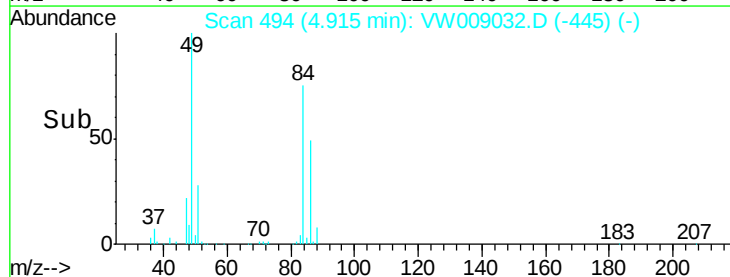
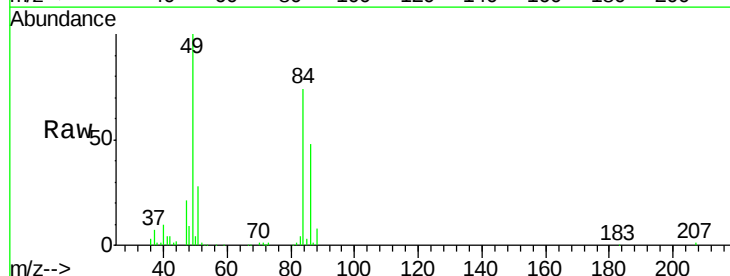
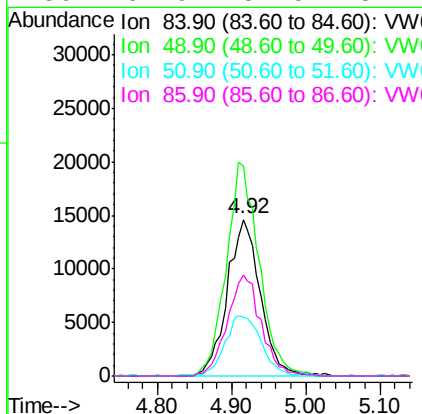
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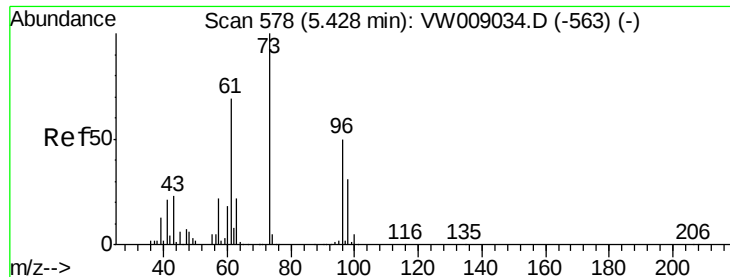
MMDadoda
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#20
Methylene Chloride
Concen: 11.898 ug/l
RT: 4.92 min Scan# 494
Delta R.T. 0.00 min
Lab File: VW009032.D
Acq: 07 Mar 2019 11:21

Tgt Ion: 84 Resp: 45339
Ion Ratio Lower Upper
84 100
49 134.6 102.4 153.6
51 37.3 31.6 47.4
86 64.9 54.5 81.7





#21

trans-1,2-Dichloroethene

Concen: 9.658 ug/l

RT: 5.42 min Scan# 577

Delta R.T. -0.01 min

Lab File: VW009032.D

Acq: 07 Mar 2019 11:21

Instrument :

MSVOA_W

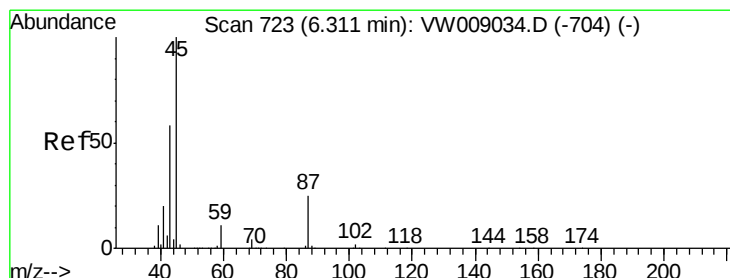
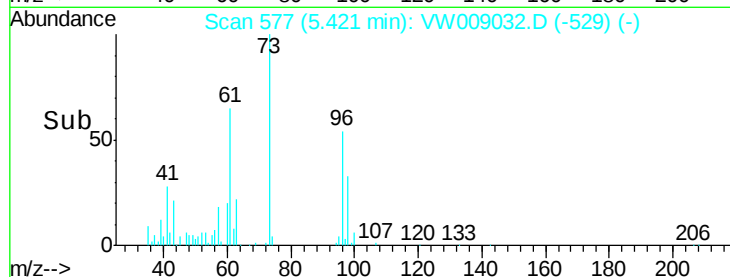
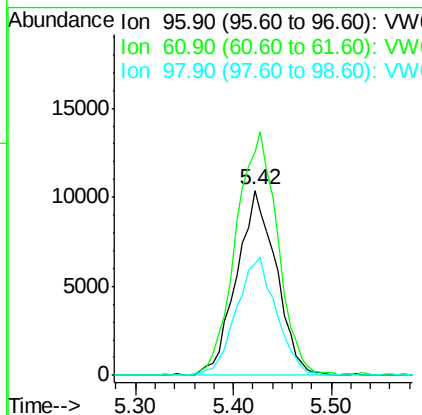
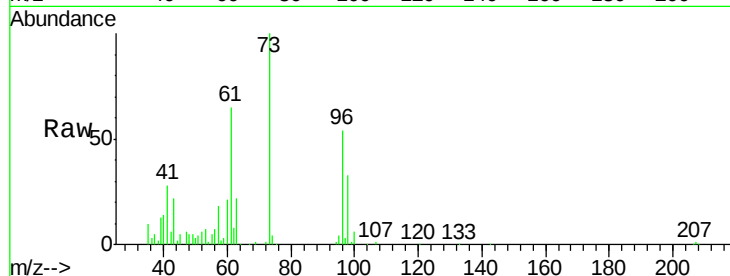
ClientSampleId :

VSTDIC010

Tot Ion:	96	Resp:	29312
Ion	Ratio	Lower	Upper
96	100		
61	120.1	111.0	166.6
98	60.5	49.4	74.0

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#22

Diisopropyl ether

Concen: 9.226 ug/l

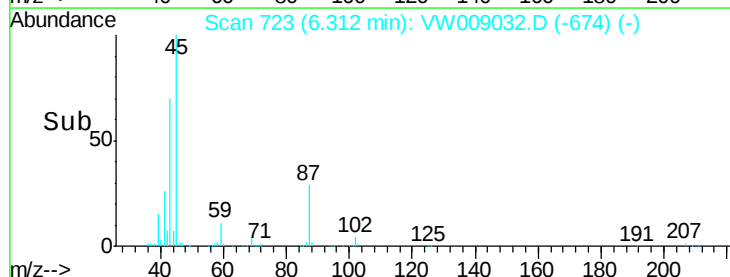
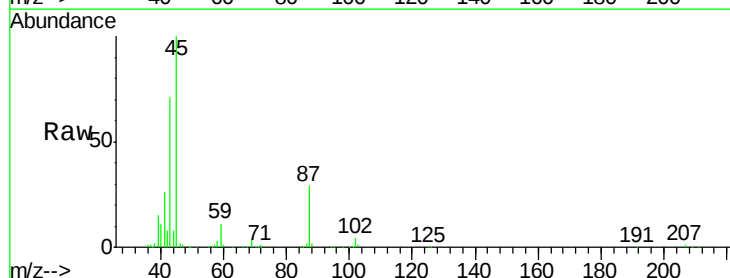
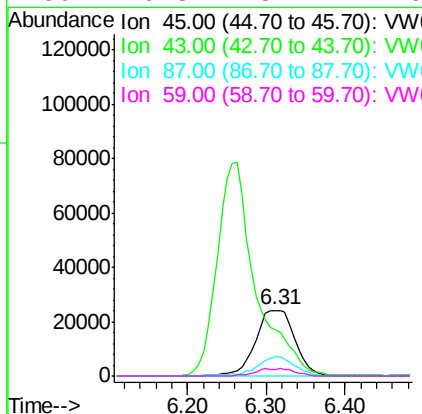
RT: 6.31 min Scan# 723

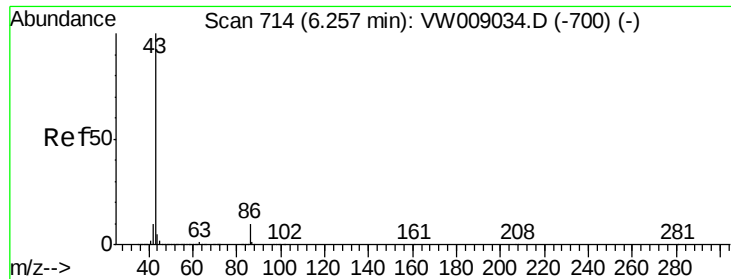
Delta R.T. 0.00 min

Lab File: VW009032.D

Acq: 07 Mar 2019 11:21

Tgt Ion:	45	Resp:	84648
Ion	Ratio	Lower	Upper
45	100		
43	68.8	46.2	69.4
87	29.1	20.1	30.1
59	10.3	8.4	12.6





#23

Vinyl Acetate

Concen: 46.638 ug/l

RT: 6.26 min Scan# 715

Delta R.T. 0.01 min

Lab File: VW009032.D

Acq: 07 Mar 2019 11:21

Instrument :

MSVOA_W

ClientSampled :

VSTDIC010

Tot Ion: 43 Resp: 266710

Ion Ratio Lower Upper

43 100

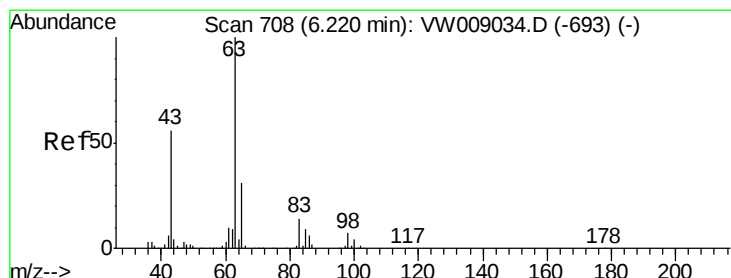
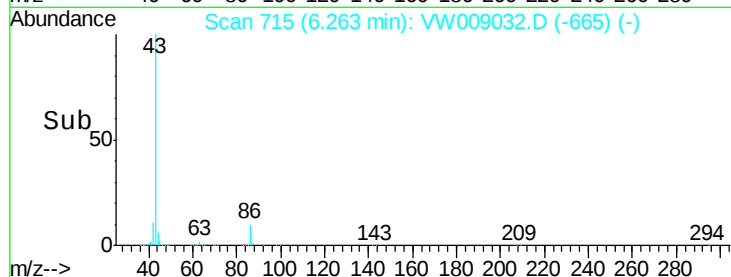
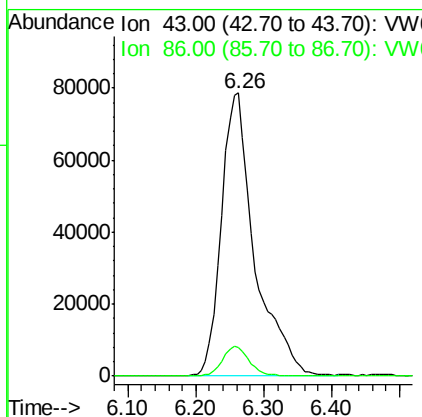
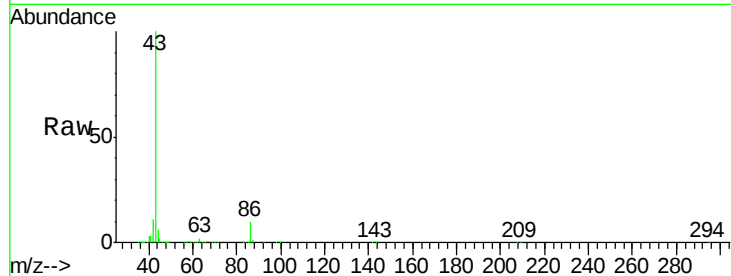
86 10.1 7.6 11.4

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3/8/2019 12:07:05 PM



#24

1,1-Dichloroethane

Concen: 9.362 ug/l

RT: 6.22 min Scan# 708

Delta R.T. 0.00 min

Lab File: VW009032.D

Acq: 07 Mar 2019 11:21

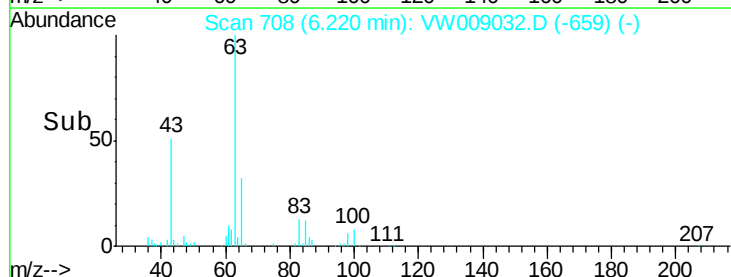
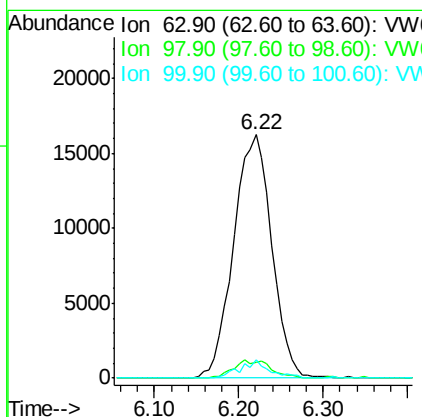
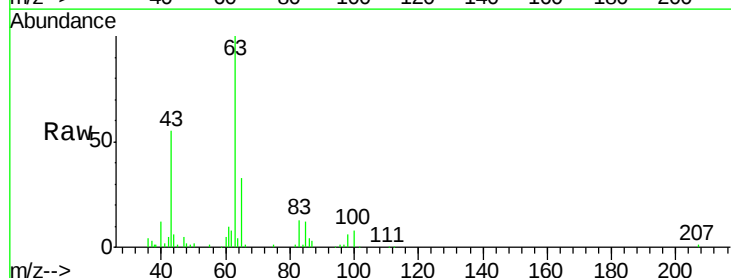
Tgt Ion: 63 Resp: 49810

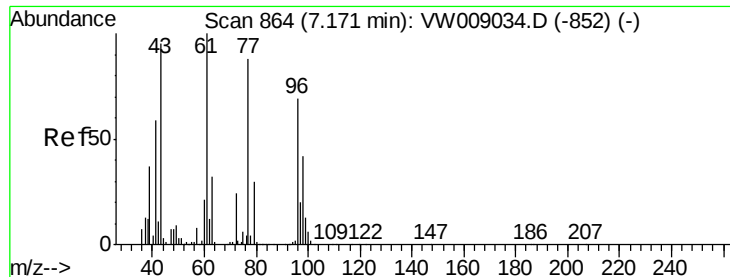
Ion Ratio Lower Upper

63 100

98 6.4 3.4 10.2

100 7.7 2.1 6.2#





#25

2-Butanone

Concen: 49.816 ug/l

RT: 7.17 min Scan# 864

Delta R.T. 0.00 min

Lab File: VW009032.D

Acq: 07 Mar 2019 11:21

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC010

Tot Ion: 43 Resp: 45266

Ion Ratio Lower Upper

43 100

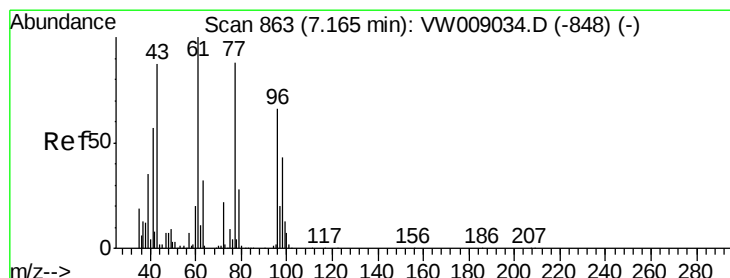
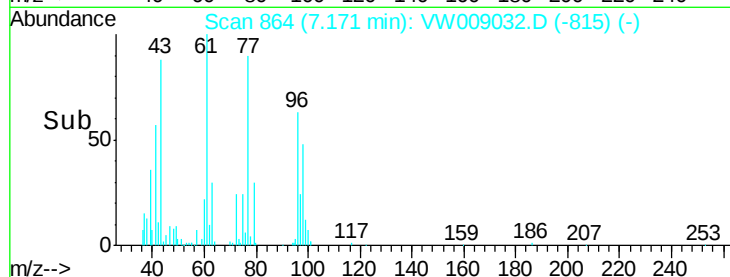
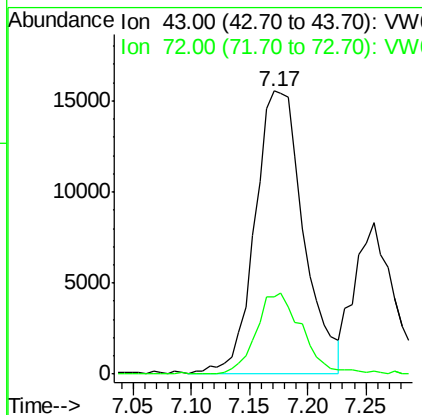
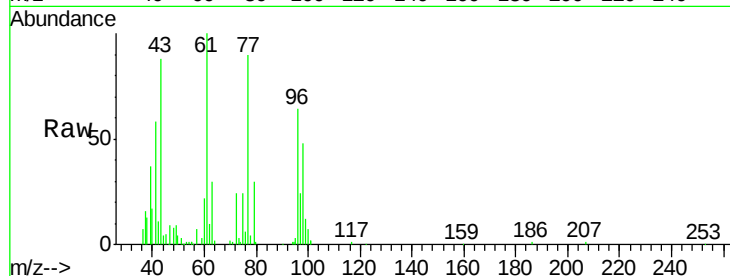
72 27.3 20.0 30.0

Manual Integrations

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3/8/2019 12:07:05 PM



#26

2,2-Dichloropropane

Concen: 9.832 ug/l

RT: 7.17 min Scan# 863

Delta R.T. 0.00 min

Lab File: VW009032.D

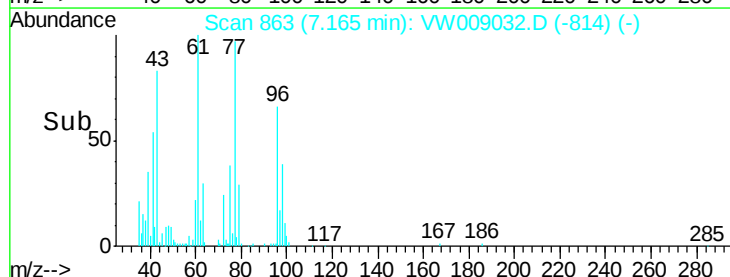
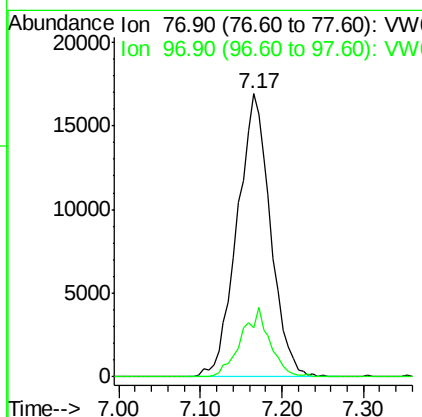
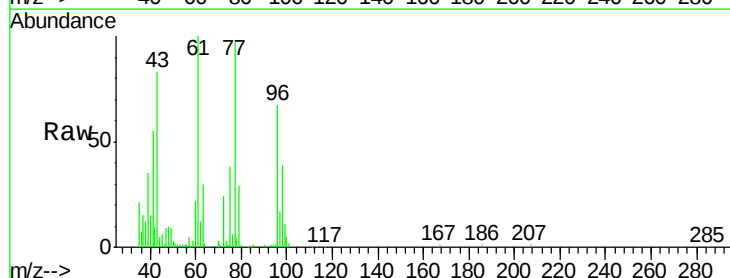
Acq: 07 Mar 2019 11:21

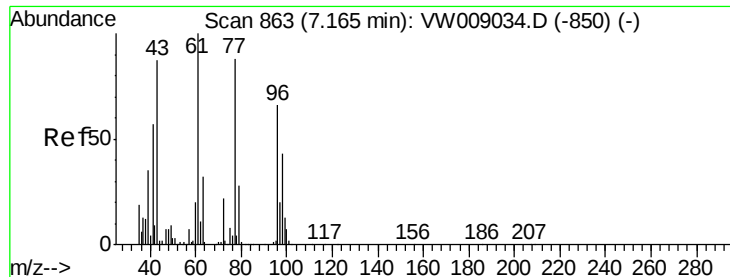
Tgt Ion: 77 Resp: 47798

Ion Ratio Lower Upper

77 100

97 21.1 10.9 32.9





#27

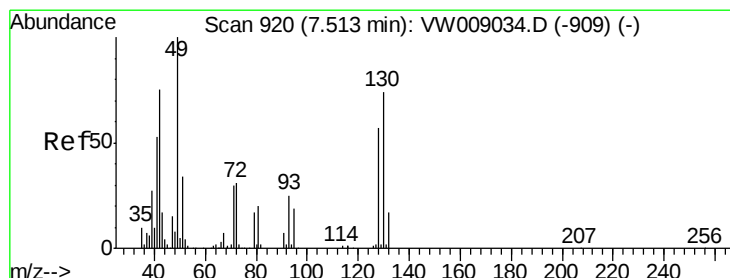
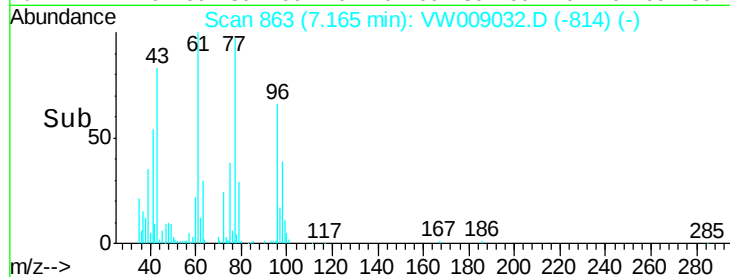
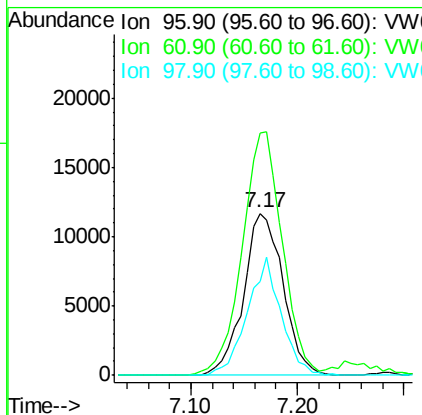
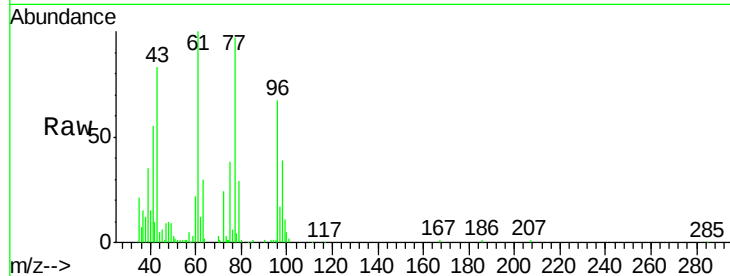
cis-1,2-Dichloroethene
Concen: 9.435 ug/l
RT: 7.17 min Scan# 863
Delta R.T. 0.00 min
Lab File: VW009032.D
Acq: 07 Mar 2019 11:21

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC010

Tot Ion	Ratio	Lower	Upper
96	100		
61	152.8	0.0	299.8
98	62.3	0.0	127.2

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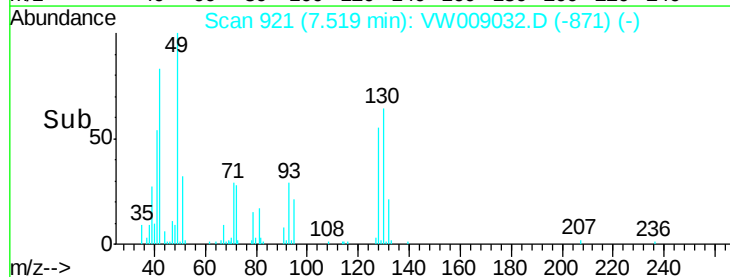
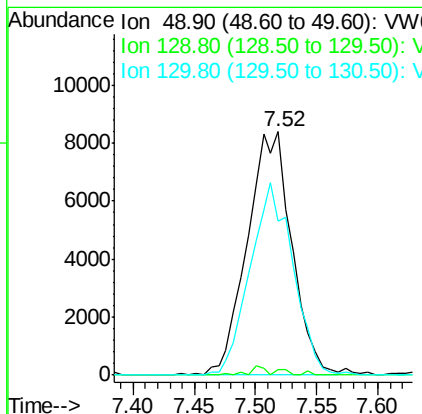
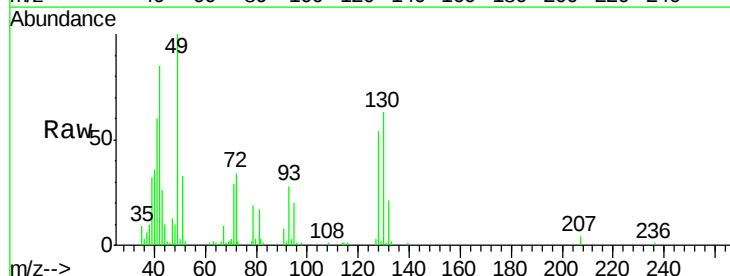
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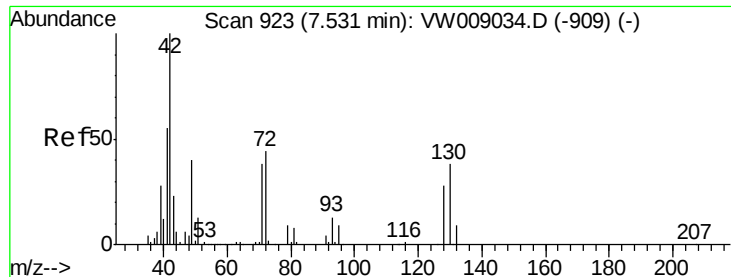


#28

Bromochloromethane
Concen: 9.645 ug/l
RT: 7.52 min Scan# 921
Delta R.T. 0.01 min
Lab File: VW009032.D
Acq: 07 Mar 2019 11:21

Tgt Ion	Ratio	Lower	Upper
49	100		
129	0.6	0.0	4.6
130	76.4	60.4	90.6





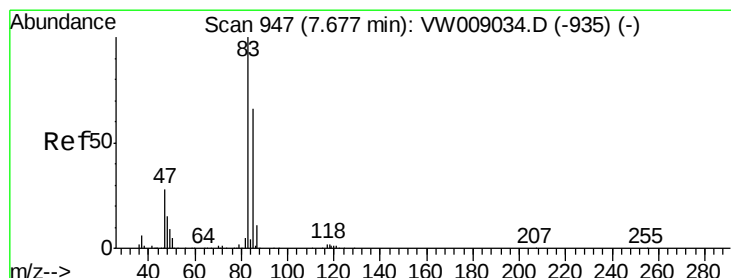
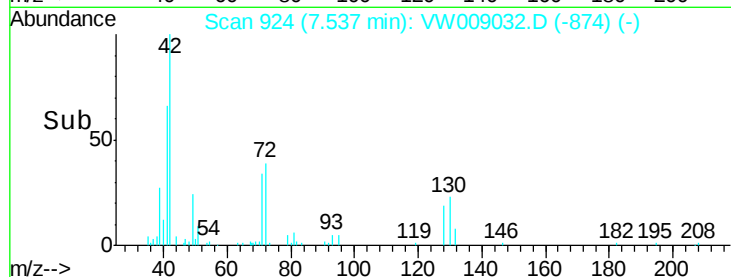
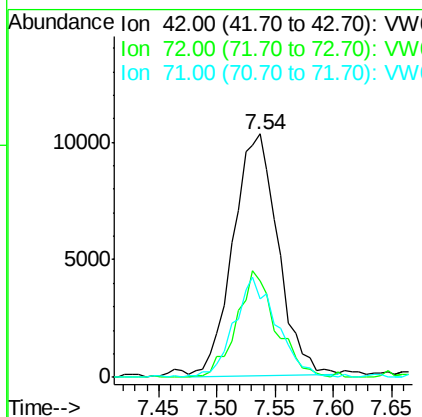
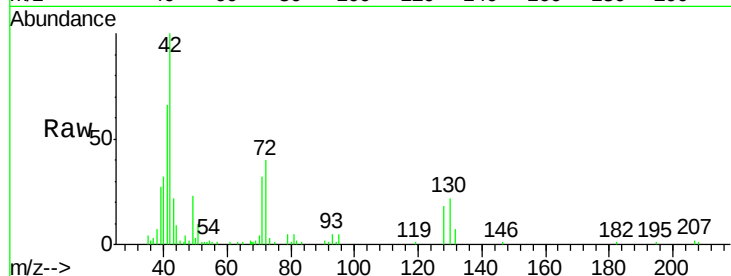
#29
Tetrahydrofuran
Concen: 47.307 ug/l
RT: 7.54 min Scan# 924
Delta R.T. 0.01 min
Lab File: VW009032.D
Acq: 07 Mar 2019 11:21

Instrument :
MSVOA_W
ClientSampled :
VSTDIC010

Tot Ion	Ratio	Lower	Upper
42	100		
72	38.7	32.2	48.4
71	39.2	30.7	46.1

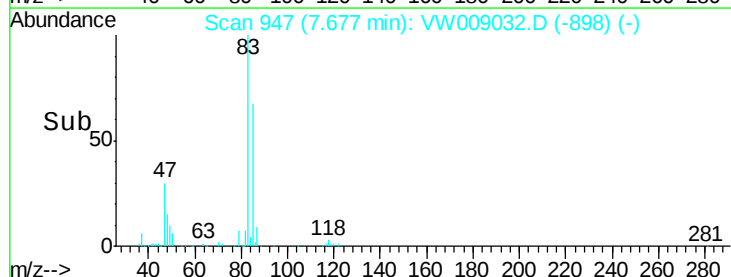
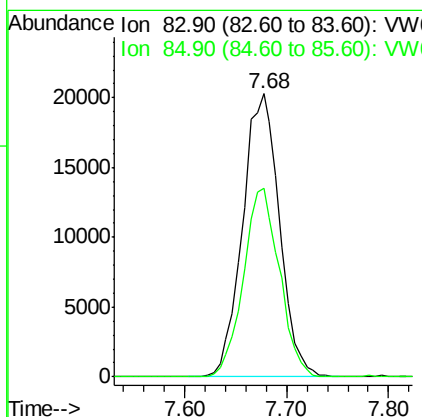
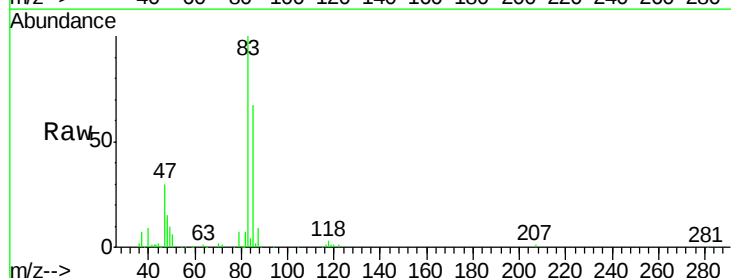
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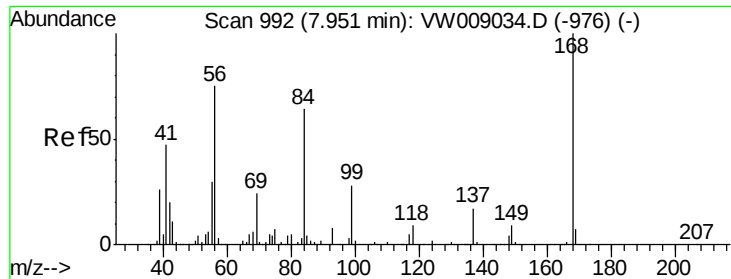
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#30
Chloroform
Concen: 9.358 ug/l
RT: 7.68 min Scan# 947
Delta R.T. 0.00 min
Lab File: VW009032.D
Acq: 07 Mar 2019 11:21

Tgt Ion	Ratio	Lower	Upper
83	100		
85	66.7	53.0	79.6





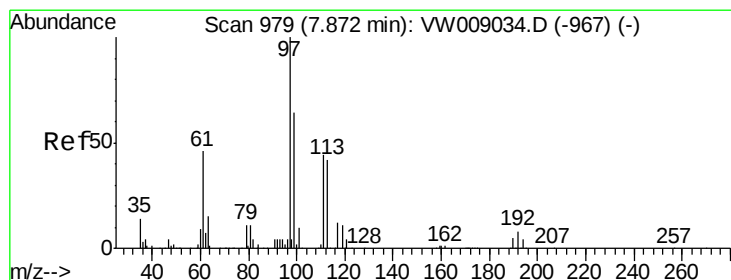
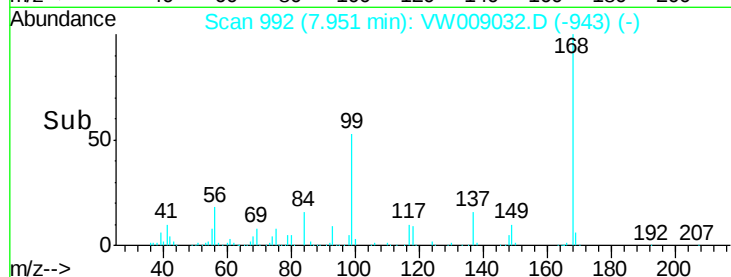
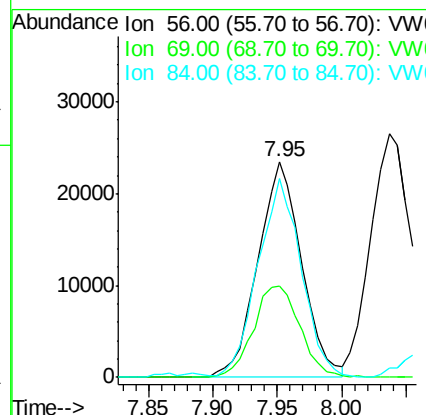
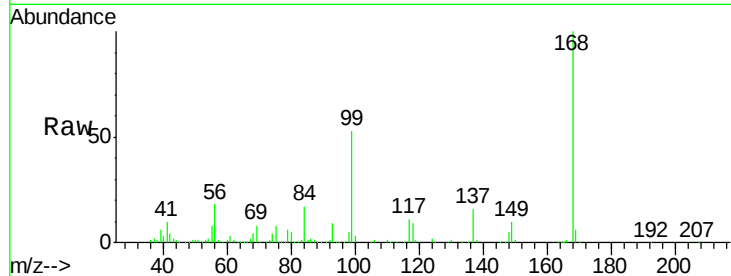
#31
Cyclohexane
Concen: 10.199 ug/l
RT: 7.95 min Scan# 992
Delta R.T. 0.00 min
Lab File: VW009032.D
Acq: 07 Mar 2019 11:21

Instrument :
MSVOA_W
ClientSampled :
VSTDIC010

Tot Ion	Ratio	Lower	Upper
56	100		
69	42.4	25.5	38.3#
84	90.8	68.6	103.0

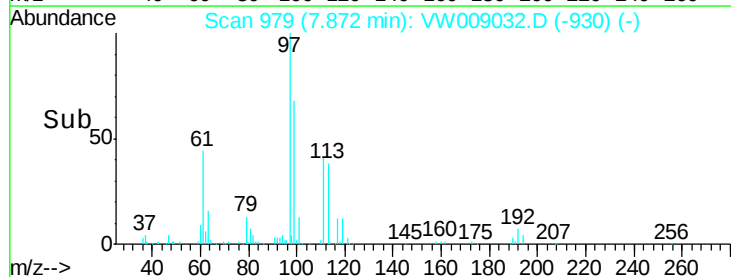
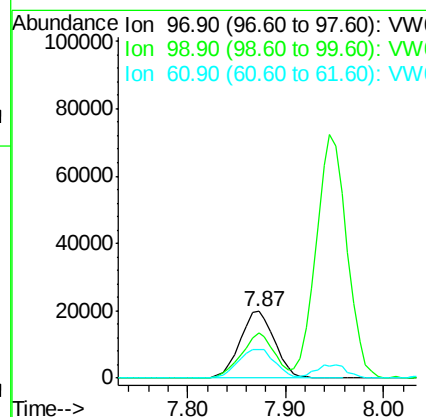
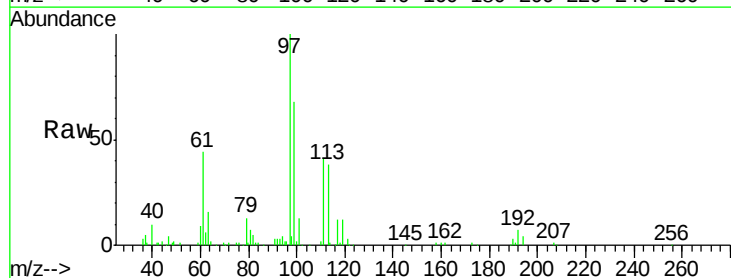
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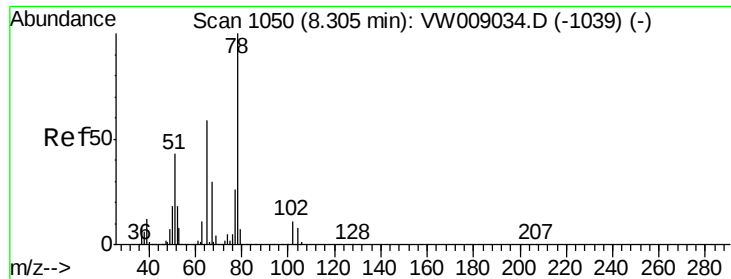
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3/8/2019 12:07:05 PM



#32
1,1,1-Trichloroethane
Concen: 9.754 ug/l
RT: 7.87 min Scan# 979
Delta R.T. 0.00 min
Lab File: VW009032.D
Acq: 07 Mar 2019 11:21

Tgt Ion	Ratio	Lower	Upper
97	100		
99	64.1	51.8	77.8
61	45.9	37.3	55.9





#33

1,2-Dichloroethane-d4

Concen: 9.208 ug/l

RT: 8.31 min Scan# 1050

Delta R.T. 0.00 min

Lab File: VW009032.D

Acq: 07 Mar 2019 11:21

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC010

Tot Ion: 65 Resp: 27578

Ion Ratio Lower Upper

65 100

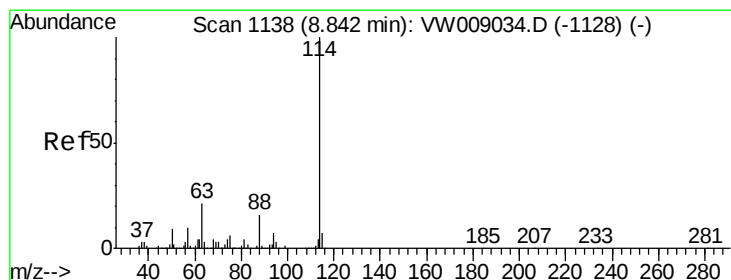
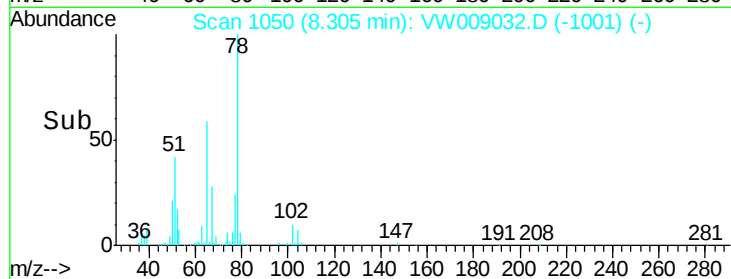
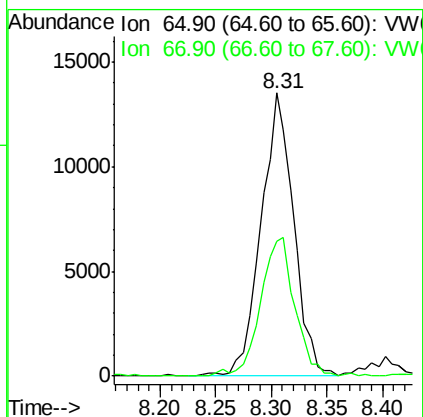
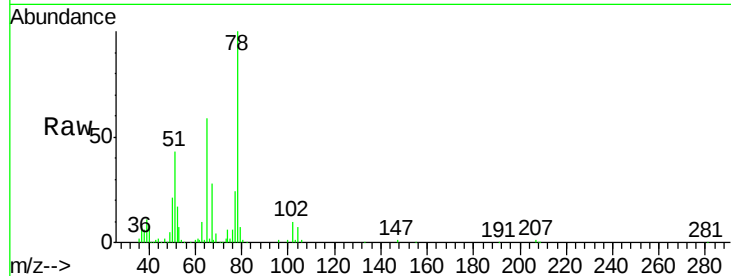
67 51.3 0.0 103.0

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3/8/2019 12:07:05 PM



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.84 min Scan# 1138

Delta R.T. 0.00 min

Lab File: VW009032.D

Acq: 07 Mar 2019 11:21

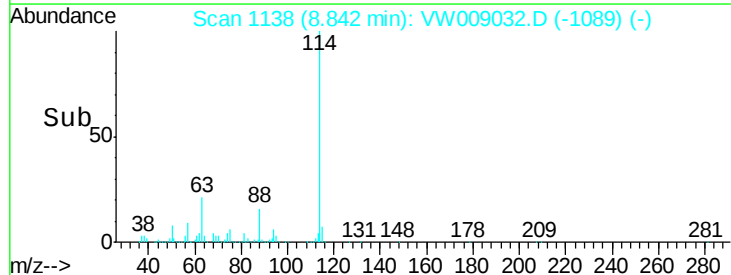
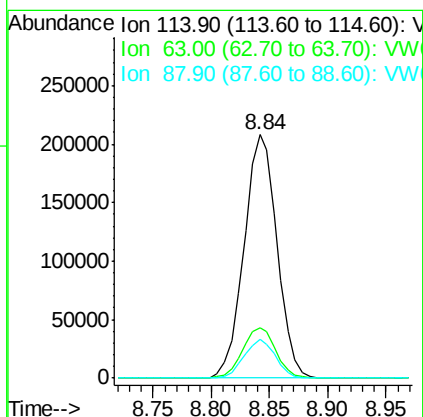
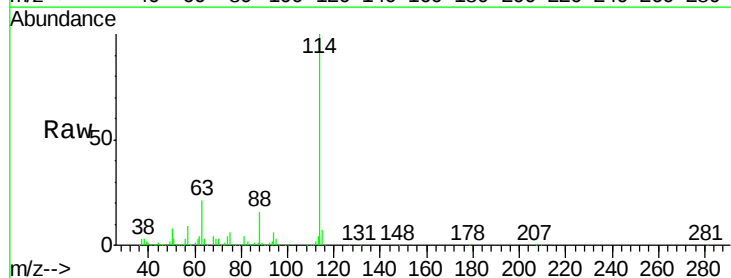
Tgt Ion: 114 Resp: 410797

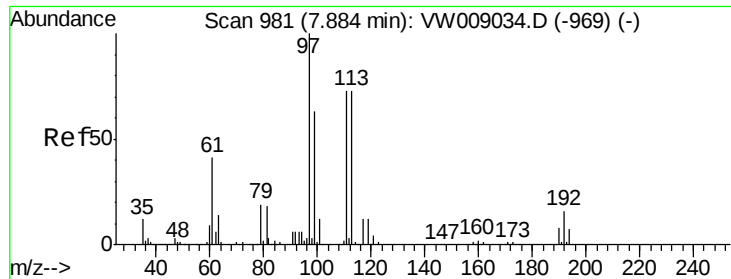
Ion Ratio Lower Upper

114 100

63 20.7 0.0 41.2

88 15.7 0.0 31.2





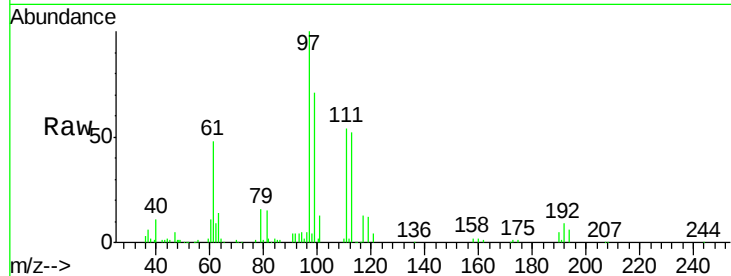
#35
 Dibromofluoromethane
 Concen: 9.035 ug/l
 RT: 7.88 min Scan# 980
 Delta R.T. -0.01 min
 Lab File: VW009032.D
 Acq: 07 Mar 2019 11:21

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC010

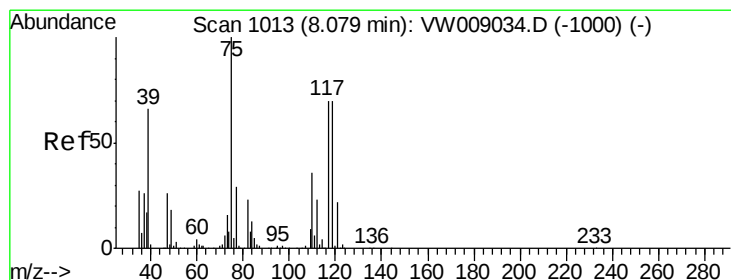
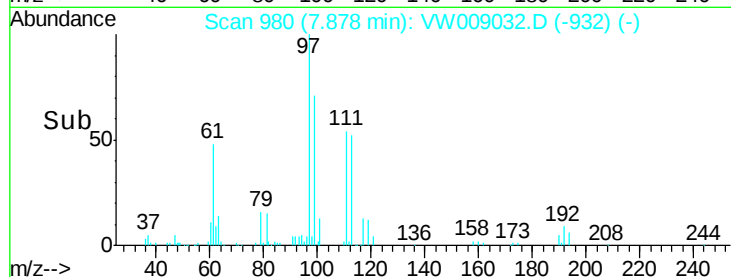
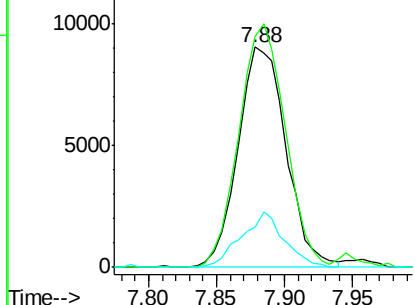
Tot Ion	Ratio	Lower	Upper
113	100		
111	106.5	81.0	121.4
192	22.2	17.1	25.7

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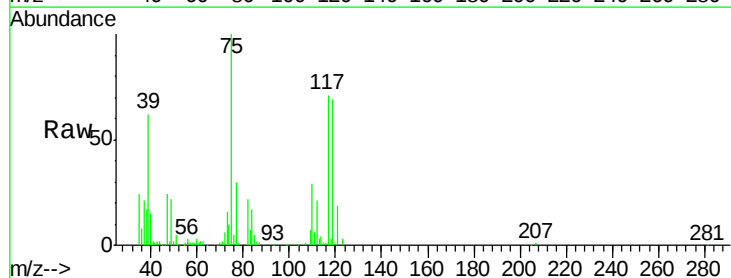


Abundance Ion 112.80 (112.50 to 113.50): V
 Ion 110.80 (110.50 to 111.50): V
 Ion 191.70 (191.40 to 192.40): V

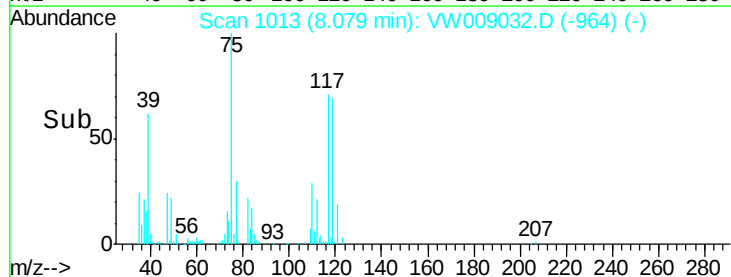
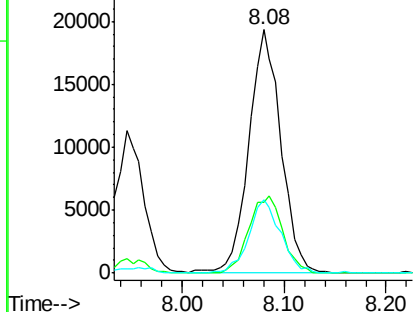


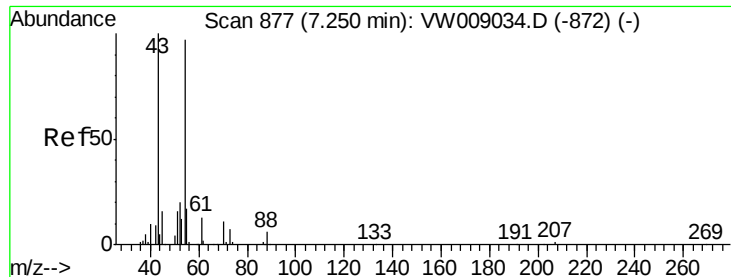
#36
 1,1-Dichloropropene
 Concen: 9.962 ug/l
 RT: 8.08 min Scan# 1013
 Delta R.T. 0.00 min
 Lab File: VW009032.D
 Acq: 07 Mar 2019 11:21

Tgt Ion	Ratio	Lower	Upper
75	100		
110	33.5	17.6	52.9
77	30.0	25.1	37.7



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





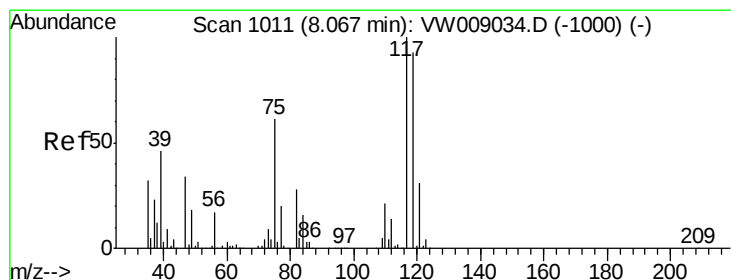
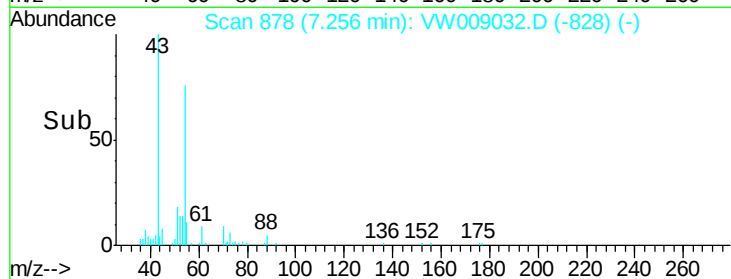
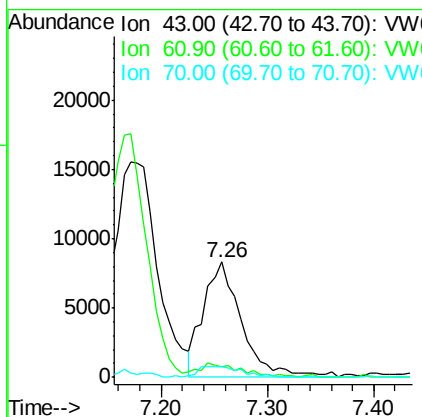
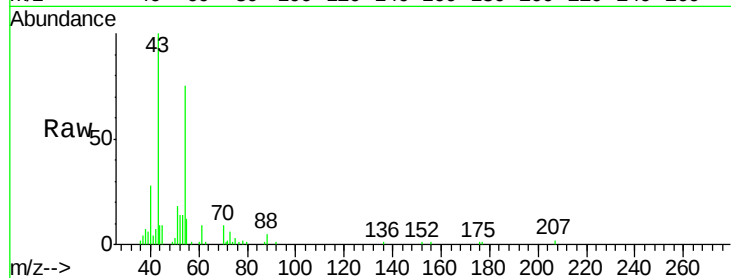
#37
Ethyl Acetate
Concen: 10.333 ug/l
RT: 7.26 min Scan# 878
Delta R.T. 0.01 min
Lab File: VW009032.D
Acq: 07 Mar 2019 11:21

Instrument :
MSVOA_W
ClientSampleID :
VSTDIC010

Tot Ion	Ratio	Lower	Upper
43	100		
61	12.1	9.8	14.6
70	11.2	7.2	10.8

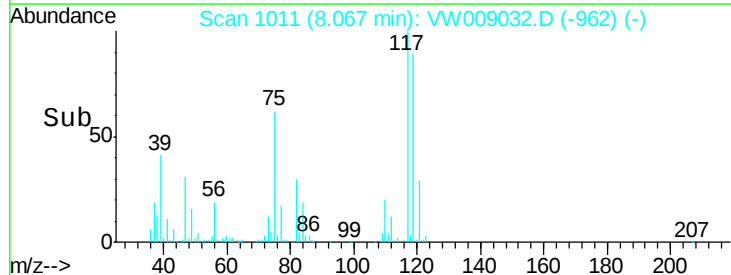
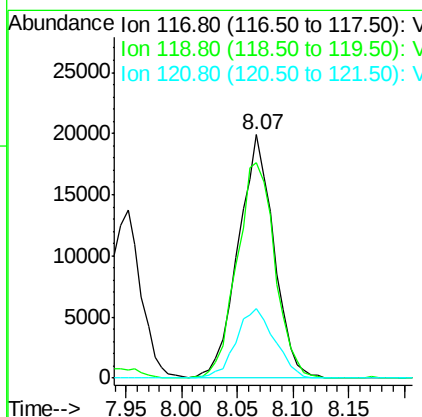
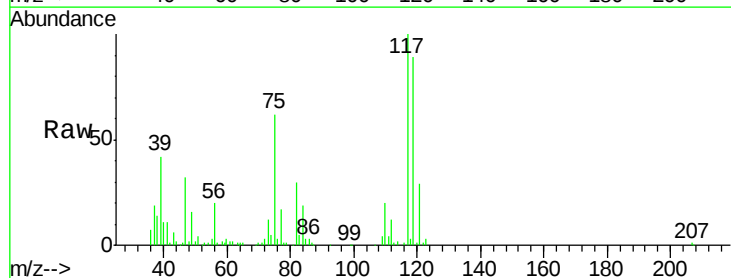
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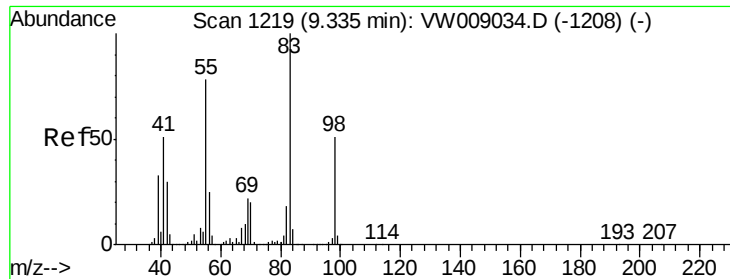
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#38
Carbon Tetrachloride
Concen: 10.036 ug/l
RT: 8.07 min Scan# 1011
Delta R.T. 0.00 min
Lab File: VW009032.D
Acq: 07 Mar 2019 11:21

Tgt Ion	Ratio	Lower	Upper
117	100		
119	88.8	74.6	112.0
121	28.7	24.7	37.1





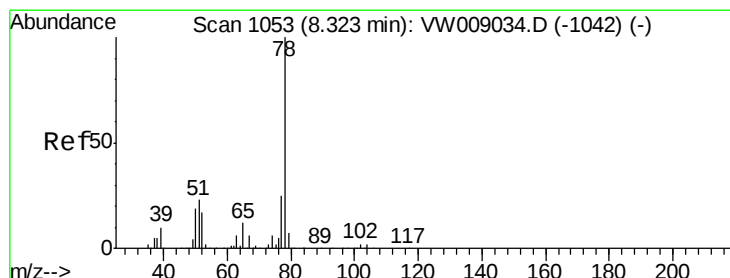
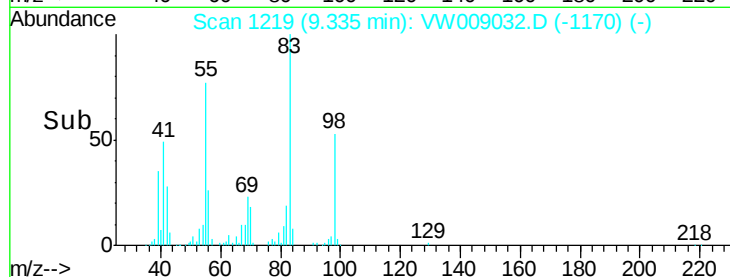
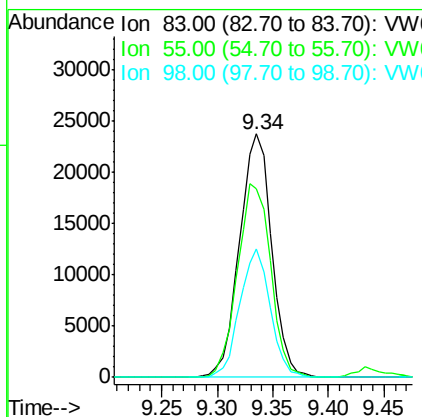
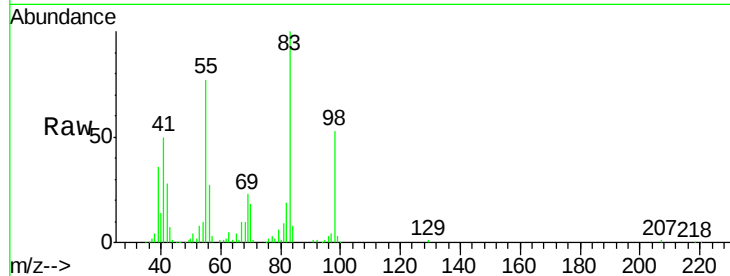
#39
Methvlcvclohexane
Concen: 9.358 ug/l
RT: 9.34 min Scan# 1219
Delta R.T. 0.00 min
Lab File: VW009032.D
Acq: 07 Mar 2019 11:21

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC010

Tot Ion	Ratio	Lower	Upper
83	100		
55	77.3	62.7	94.1
98	52.7	40.8	61.2

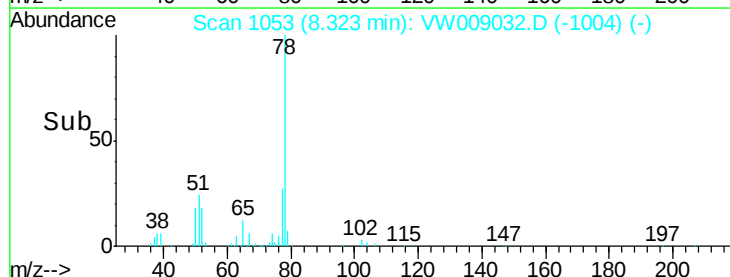
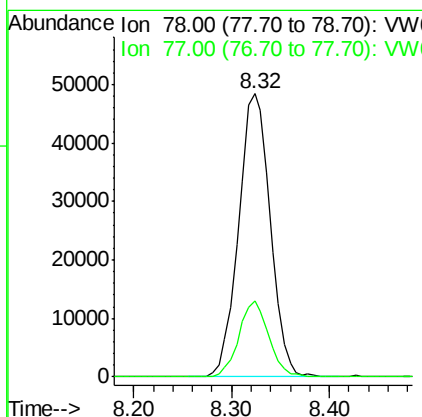
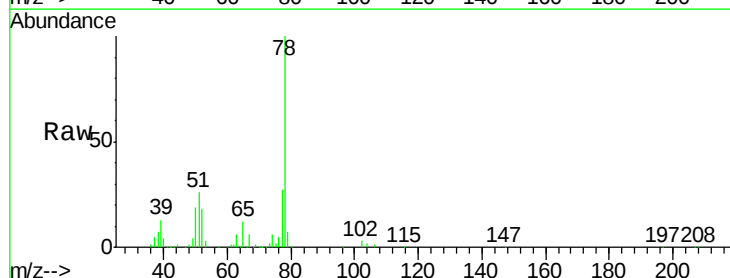
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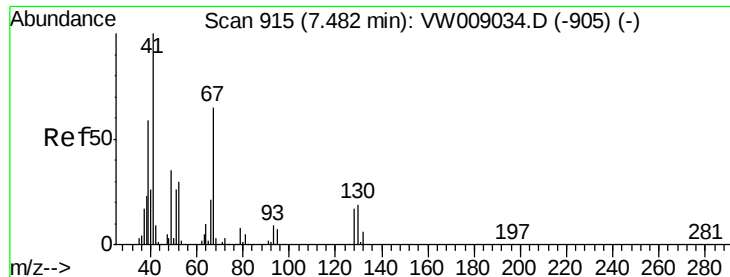
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#40
Benzene
Concen: 9.593 ug/l
RT: 8.32 min Scan# 1053
Delta R.T. 0.00 min
Lab File: VW009032.D
Acq: 07 Mar 2019 11:21

Tgt Ion	Ratio	Lower	Upper
78	100		
77	26.9	20.2	30.4





#41

Methacrylonitrile

Concen: 10.902 ug/l m

RT: 7.48 min Scan# 915

Delta R.T. 0.00 min

Lab File: VW009032.D

Acq: 07 Mar 2019 11:21

Instrument :

MSVOA_W

ClientSampled :

VSTDIC010

Tot Ion: 41 Resp: 11473

Ion Ratio Lower Upper

41 100

39 64.6 53.6 80.4

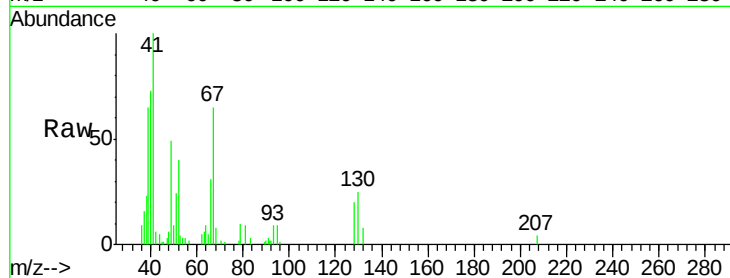
67 67.6 57.6 86.4

52 34.1 26.0 39.0

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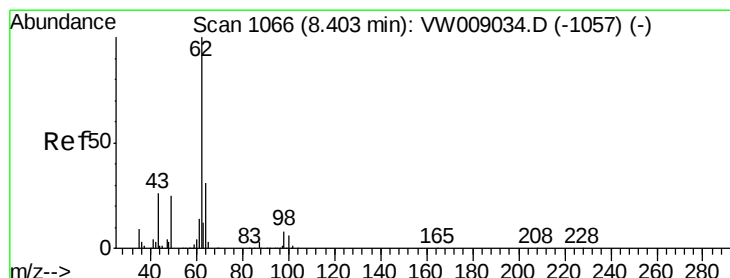
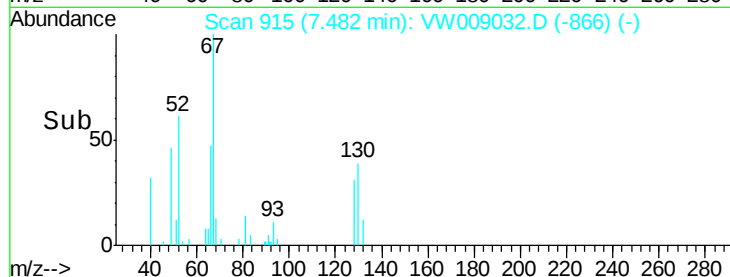
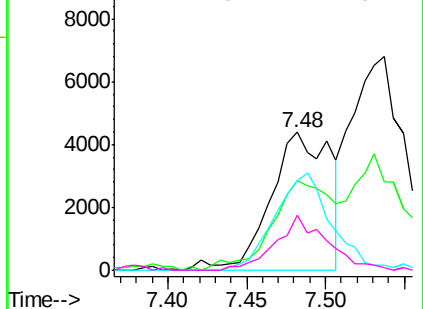


Abundance Ion 41.00 (40.70 to 41.70): VW

Ion 39.00 (38.70 to 39.70): VW

Ion 67.00 (66.70 to 67.70): VW

Ion 52.00 (51.70 to 52.70): VW



#42

1,2-Dichloroethane

Concen: 9.727 ug/l

RT: 8.40 min Scan# 1065

Delta R.T. -0.01 min

Lab File: VW009032.D

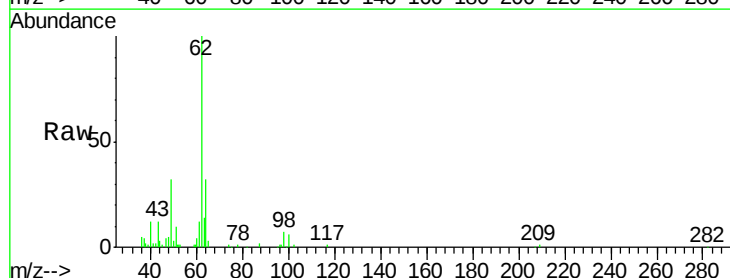
Acq: 07 Mar 2019 11:21

Tgt Ion: 62 Resp: 35825

Ion Ratio Lower Upper

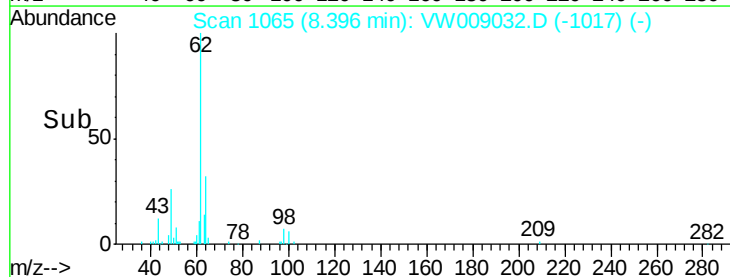
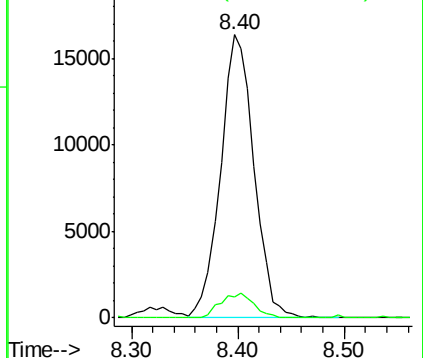
62 100

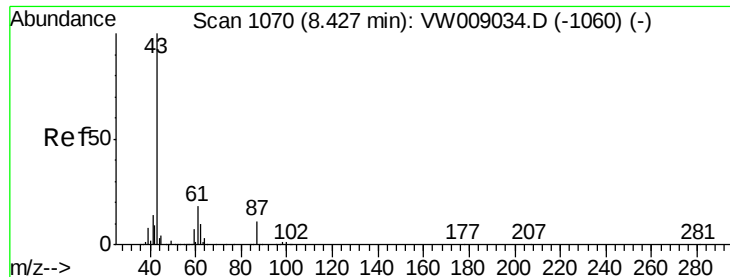
98 8.9 0.0 17.6



Abundance Ion 61.90 (61.60 to 62.60): VW

Ion 97.90 (97.60 to 98.60): VW





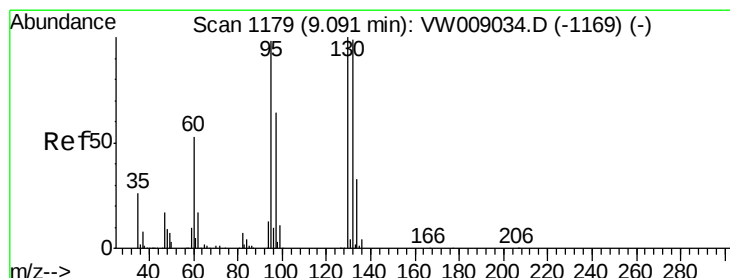
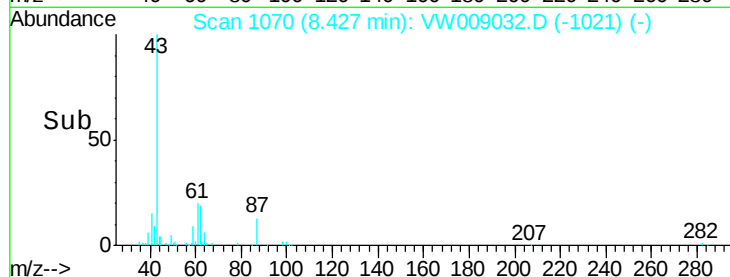
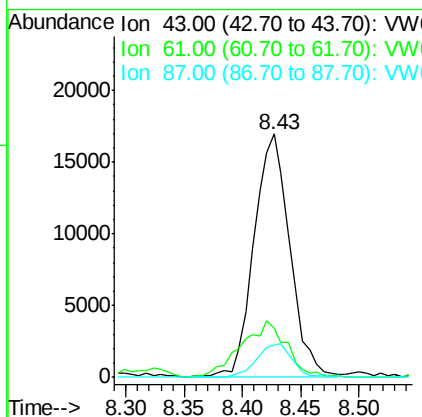
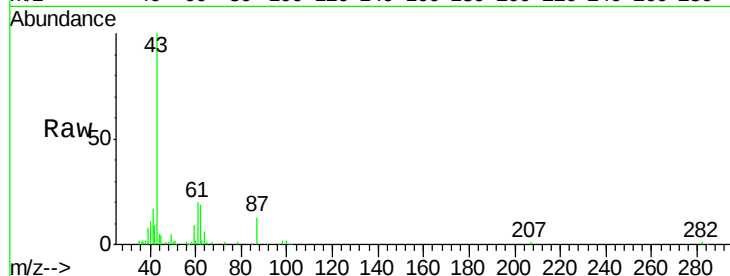
#43
Isopropyl Acetate
Concen: 9.688 ug/l
RT: 8.43 min Scan# 1070
Delta R.T. 0.00 min
Lab File: VW009032.D
Acq: 07 Mar 2019 11:21

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC010

Tot Ion:	43	Resp:	36189
Ion	Ratio	Lower	Upper
43	100		
61	29.8	22.8	34.2
87	13.3	9.4	14.2

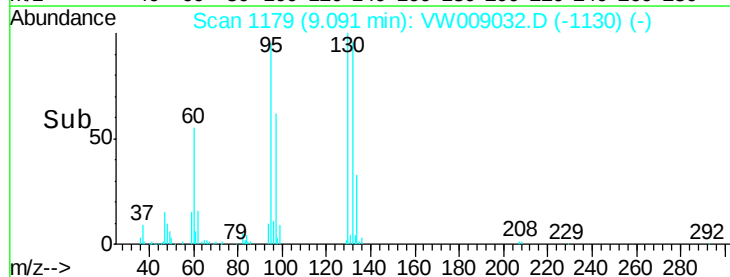
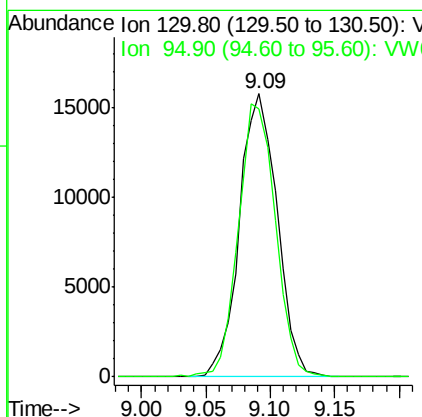
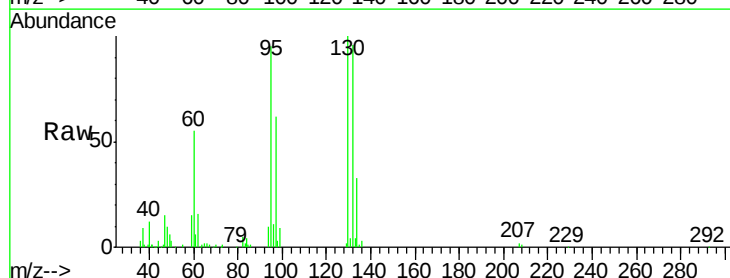
Manual Integrations
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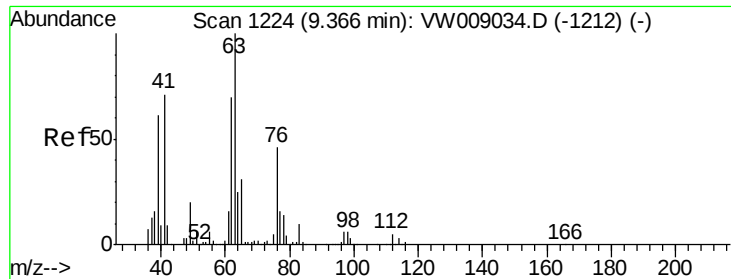
MMDadoda
3/8/2019 12:07:05 PM



#44
Trichloroethene
Concen: 10.077 ug/l
RT: 9.09 min Scan# 1179
Delta R.T. 0.00 min
Lab File: VW009032.D
Acq: 07 Mar 2019 11:21

Tgt Ion:	130	Resp:	32020
Ion	Ratio	Lower	Upper
130	100		
95	94.8	0.0	197.0





#45

1,2-Dichloropropane

Concen: 9.831 ug/l

RT: 9.37 min Scan# 1225

Delta R.T. 0.01 min

Lab File: VW009032.D

Acq: 07 Mar 2019 11:21

Instrument :

MSVOA_W

ClientSampled :

VSTDIC010

Tot Ion: 63 Resp: 27639

Ion Ratio Lower Upper

63 100

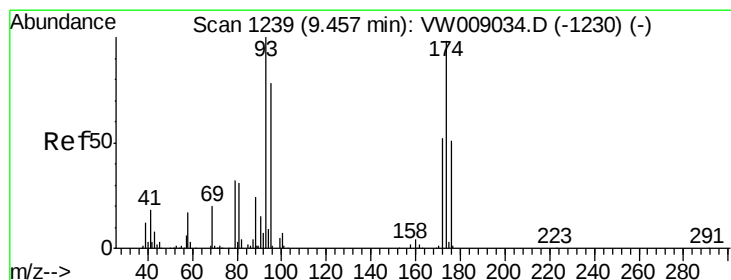
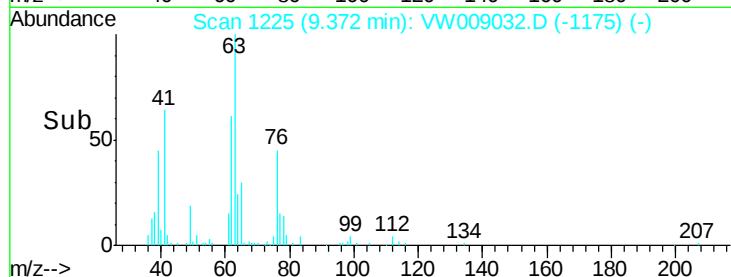
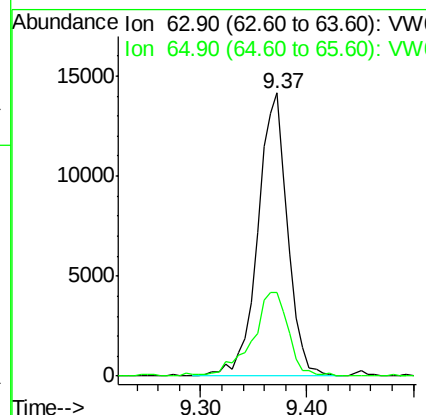
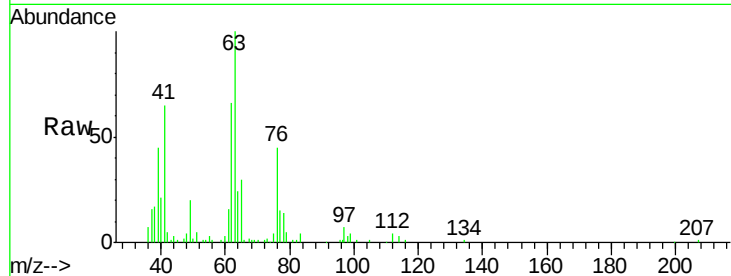
65 29.8 24.9 37.3

Manual Integrations

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3/8/2019 12:07:05 PM



#46

Dibromomethane

Concen: 9.715 ug/l

RT: 9.46 min Scan# 1239

Delta R.T. 0.00 min

Lab File: VW009032.D

Acq: 07 Mar 2019 11:21

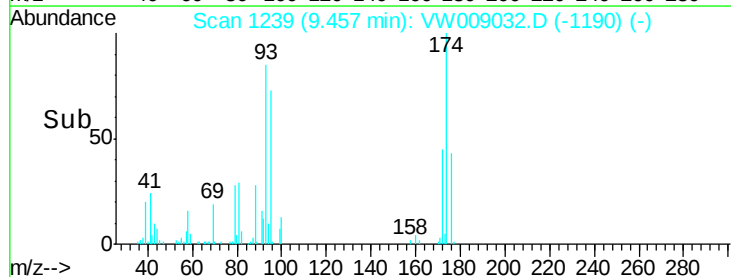
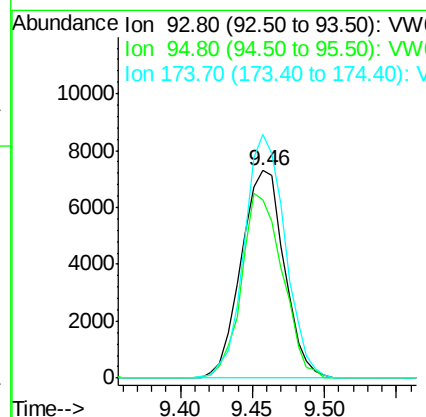
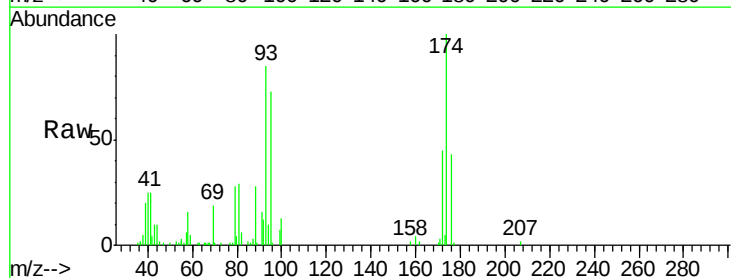
Tgt Ion: 93 Resp: 15170

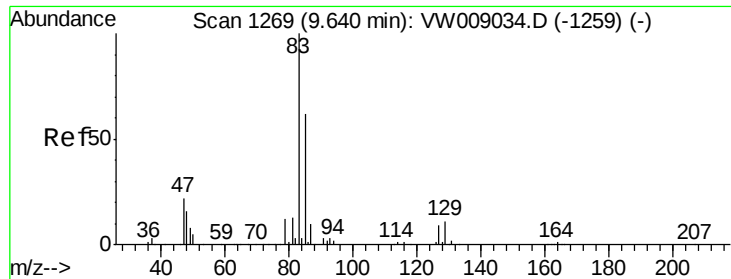
Ion Ratio Lower Upper

93 100

95 84.4 65.0 97.6

174 110.8 81.8 122.6





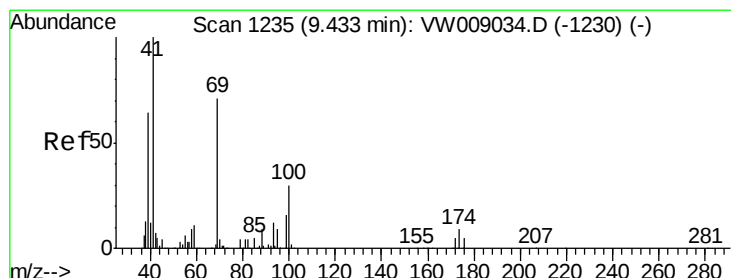
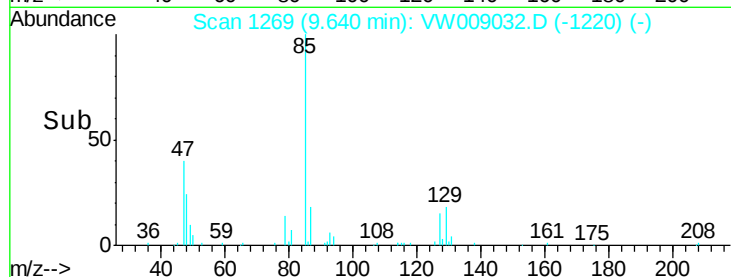
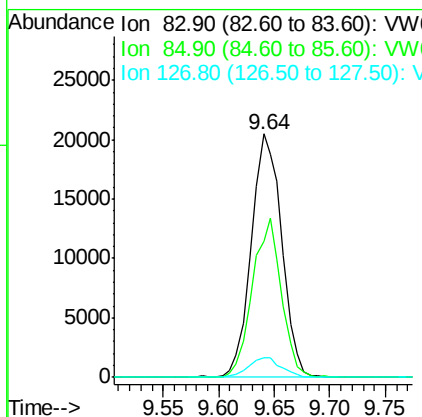
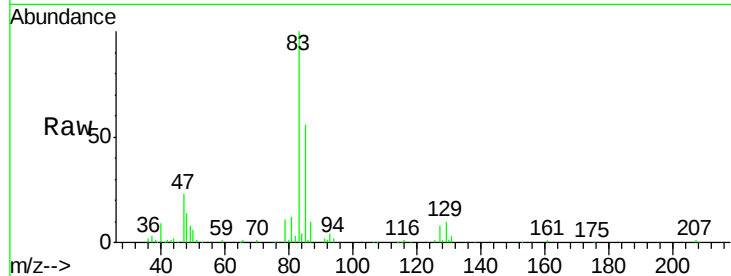
#47
Bromodichloromethane
Concen: 9.919 ug/l
RT: 9.64 min Scan# 1269
Delta R.T. 0.00 min
Lab File: VW009032.D
Acq: 07 Mar 2019 11:21

Instrument :
MSVOA_W
ClientSampled :
VSTDIC010

Tot Ion	Ratio	Lower	Upper
83	100		
85	55.7	49.9	74.9
127	8.2	7.1	10.7

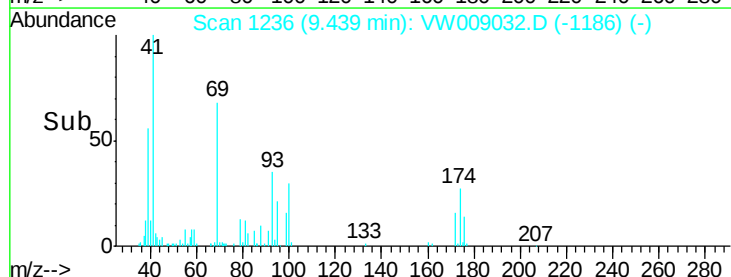
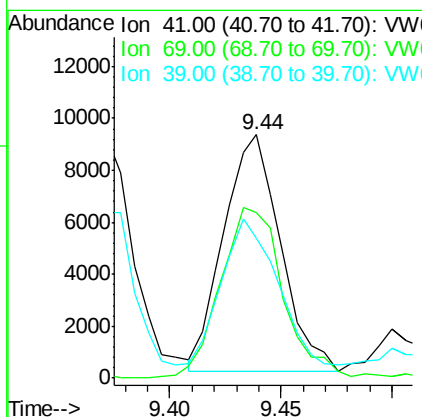
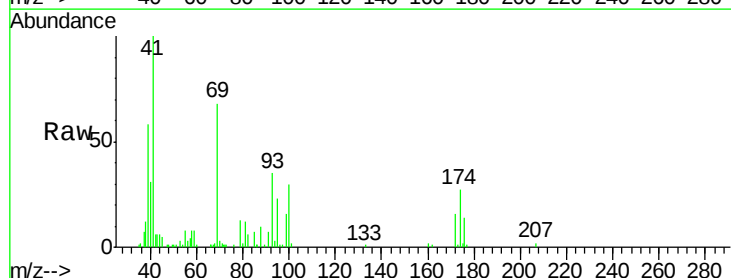
Manual Integrations
APPROVED

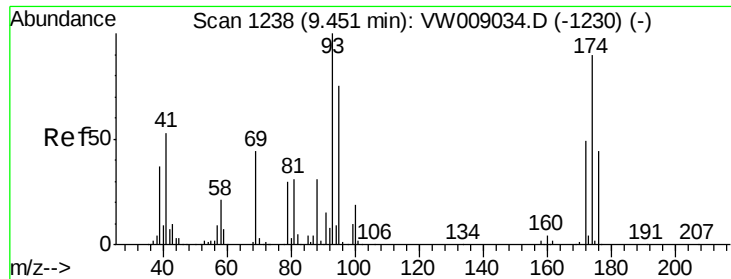
MMDadoda
3/8/2019 12:07:05 PM



#48
Methyl methacrylate
Concen: 9.217 ug/l
RT: 9.44 min Scan# 1236
Delta R.T. 0.01 min
Lab File: VW009032.D
Acq: 07 Mar 2019 11:21

Tgt Ion	Ratio	Lower	Upper
41	100		
69	80.1	59.1	88.7
39	62.6	48.9	73.3





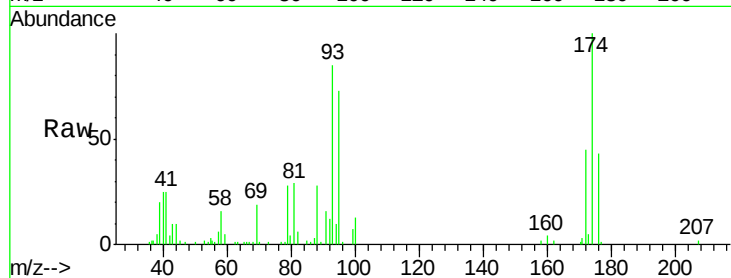
#49
1,4-Dioxane
Concen: 213.569 ug/l
RT: 9.46 min Scan# 1239
Delta R.T. 0.01 min
Lab File: VW009032.D
Acq: 07 Mar 2019 11:21

Instrument :
MSVOA_W
ClientSampled :
VSTDIC010

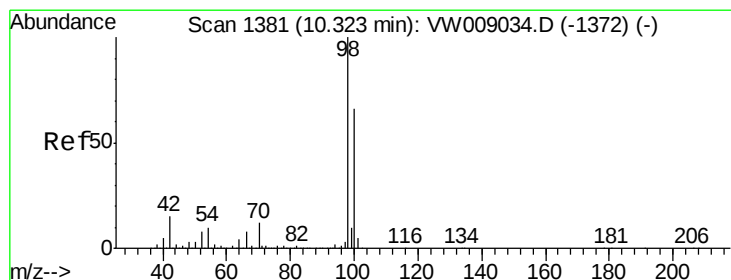
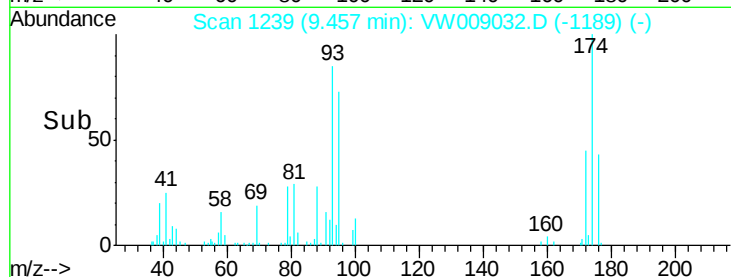
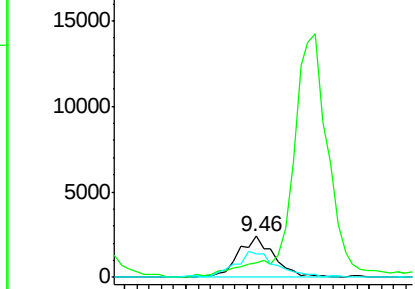
Tot Ion	88	Resp	4896
Ion	Ratio	Lower	Upper
88	100		
43	0.0	29.0	43.4#
58	73.2	59.2	88.8

Manual Integrations
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3/8/2019 12:07:05 PM

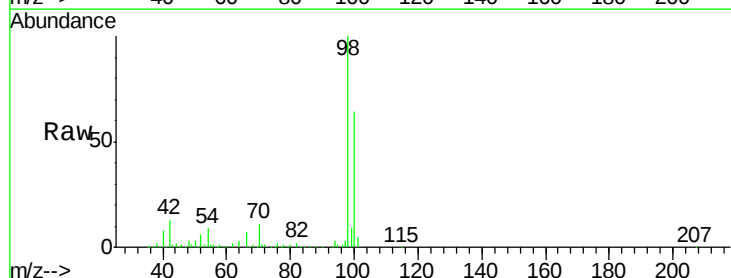


Abundance Ion 88.00 (87.70 to 88.70): VW
Ion 43.00 (42.70 to 43.70): VW
Ion 58.00 (57.70 to 58.70): VW

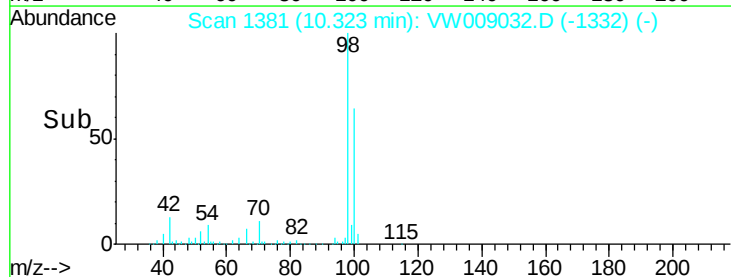
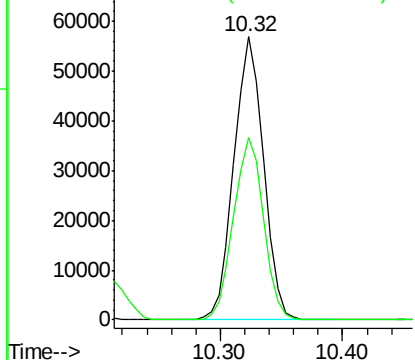


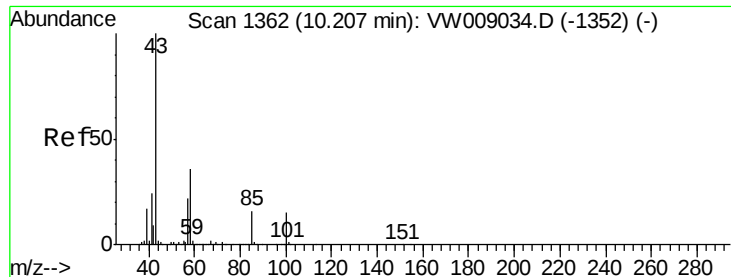
#50
Toluene-d8
Concen: 9.321 ug/l
RT: 10.32 min Scan# 1381
Delta R.T. 0.00 min
Lab File: VW009032.D
Acq: 07 Mar 2019 11:21

Tgt Ion	98	Resp	95504
Ion	Ratio	Lower	Upper
98	100		
100	65.4	51.9	77.9



Abundance Ion 98.00 (97.70 to 98.70): VW
Ion 100.00 (99.70 to 100.70): VW





#51

4-Methyl-2-Pentanone

Concen: 49.213 ug/l

RT: 10.21 min Scan# 1363

Delta R.T. 0.01 min

Lab File: VW009032.D

Acq: 07 Mar 2019 11:21

Instrument :

MSVOA_W

ClientSampled :

VSTDIC010

Tot Ion: 43 Resp: 93692

Ion Ratio Lower Upper

43 100

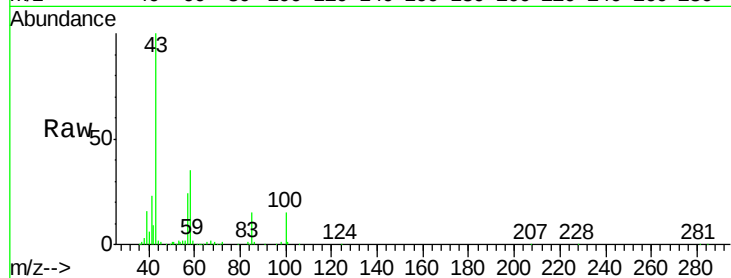
58 35.9 28.8 43.2

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3/8/2019 12:07:05 PM



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW

10.21

60000

50000

40000

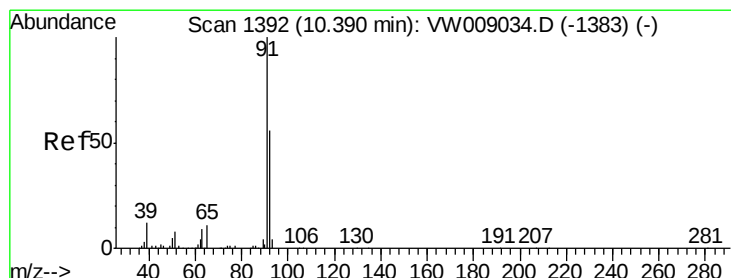
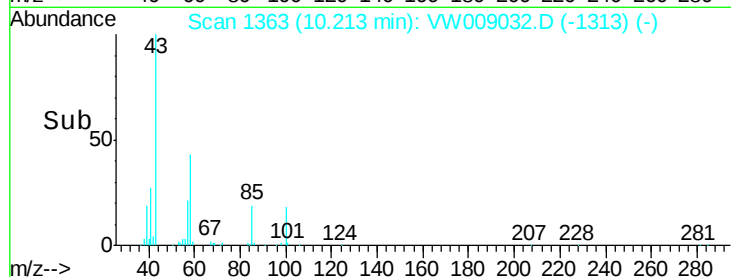
30000

20000

10000

0

Time--> 10.10 10.20 10.30



#52

Toluene

Concen: 9.736 ug/l

RT: 10.39 min Scan# 1392

Delta R.T. 0.00 min

Lab File: VW009032.D

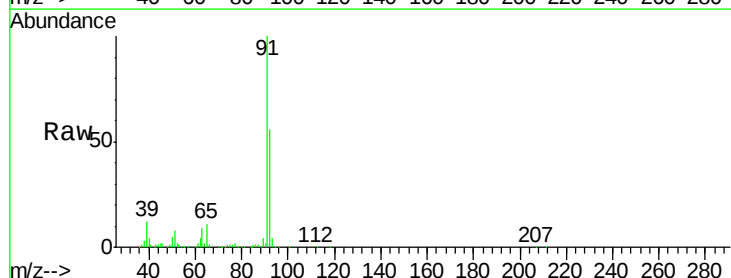
Acq: 07 Mar 2019 11:21

Tgt Ion: 92 Resp: 75046

Ion Ratio Lower Upper

92 100

91 172.2 139.9 209.9



Abundance Ion 92.00 (91.70 to 92.70): VW

Ion 91.00 (90.70 to 91.70): VW

10.39

80000

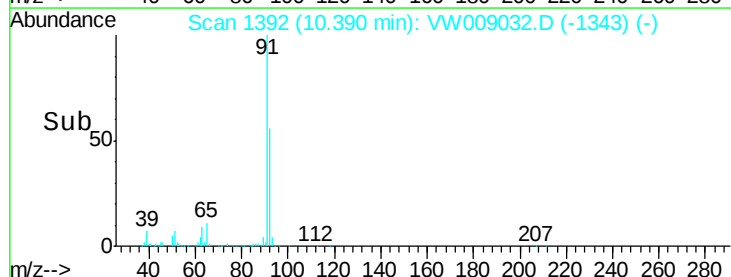
60000

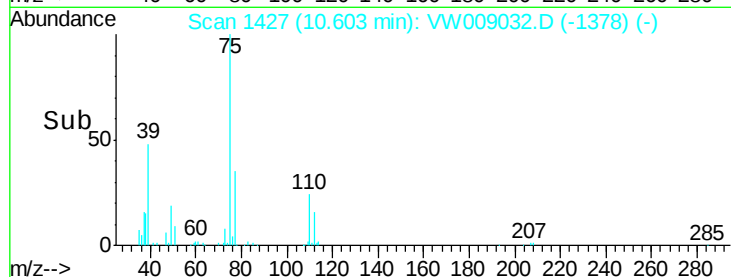
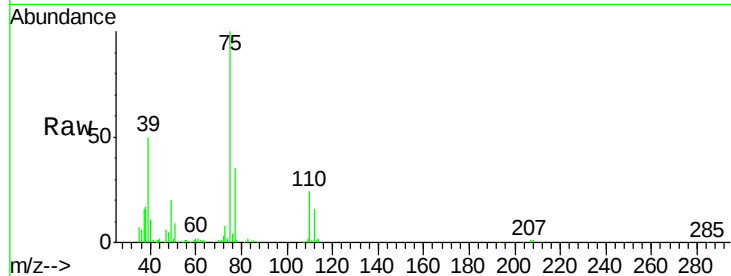
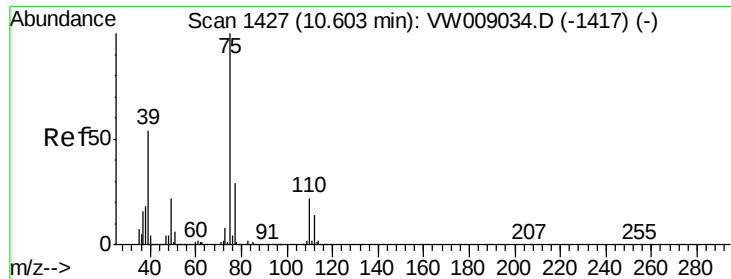
40000

20000

0

Time--> 10.30 10.40





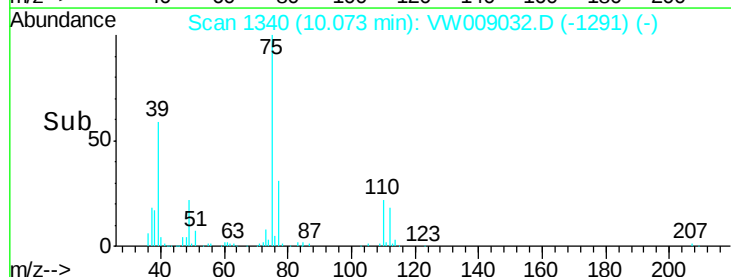
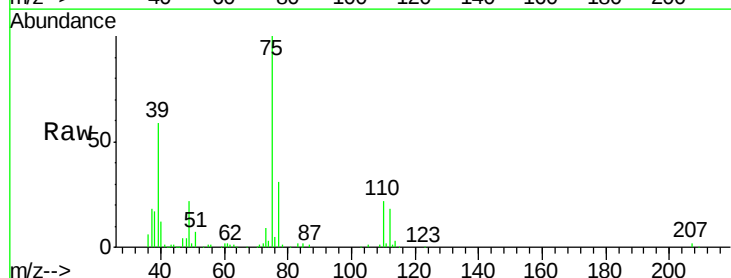
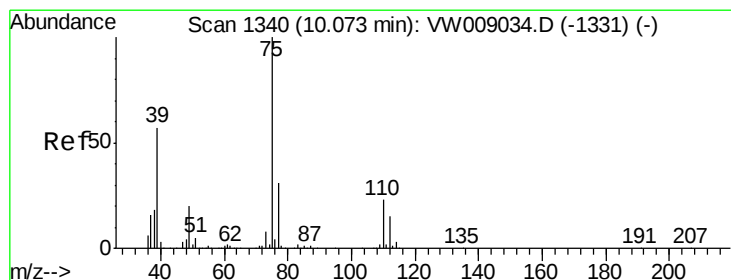
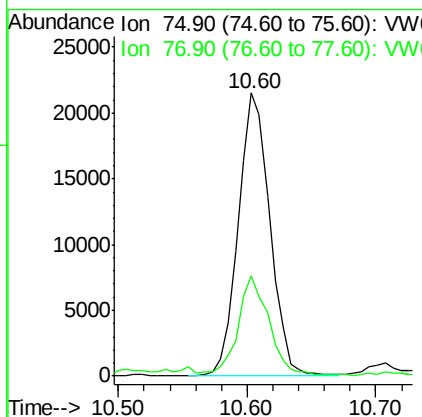
#53
t-1,3-Dichloropropene
Concen: 9.346 ug/l
RT: 10.60 min Scan# 1427
Delta R.T. 0.00 min
Lab File: VW009032.D
Acq: 07 Mar 2019 11:21

Tot Ion: 75 Resp: 36579
Ion Ratio Lower Upper
75 100
77 34.9 23.6 35.4

Instrument :
MSVOA_W
ClientSampled :
VSTDIC010

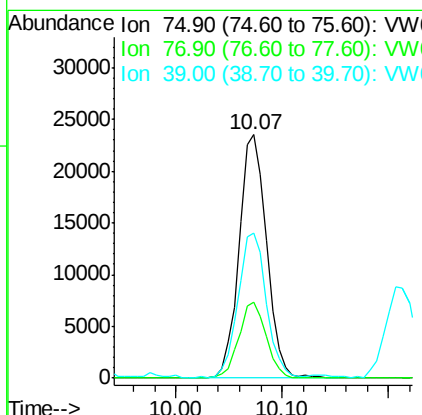
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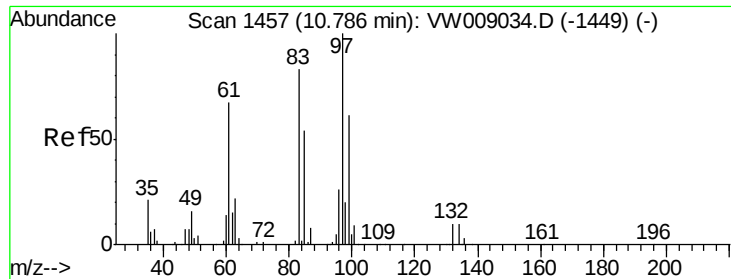
MMDadoda
3/8/2019 12:07:05 PM



#54
cis-1,3-Dichloropropene
Concen: 9.595 ug/l
RT: 10.07 min Scan# 1340
Delta R.T. 0.00 min
Lab File: VW009032.D
Acq: 07 Mar 2019 11:21

Tgt Ion: 75 Resp: 42850
Ion Ratio Lower Upper
75 100
77 31.0 24.6 36.8
39 59.4 45.9 68.9





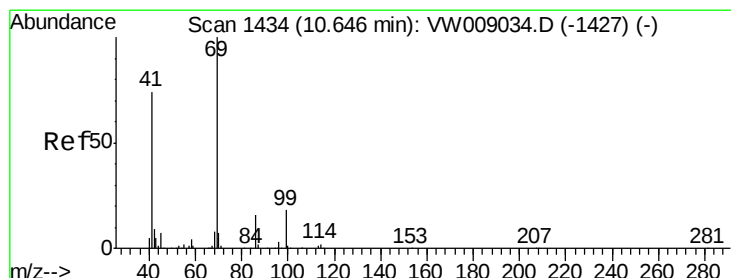
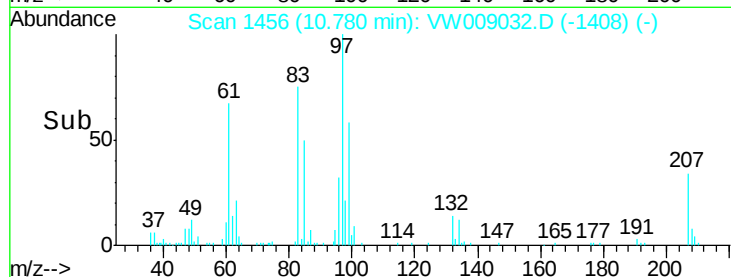
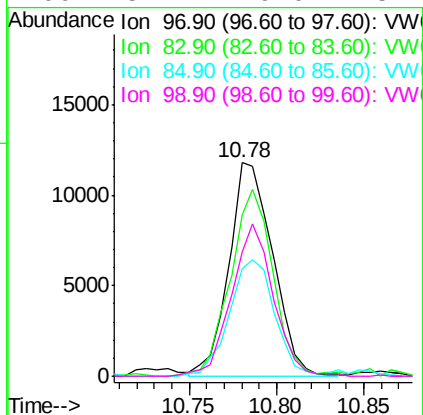
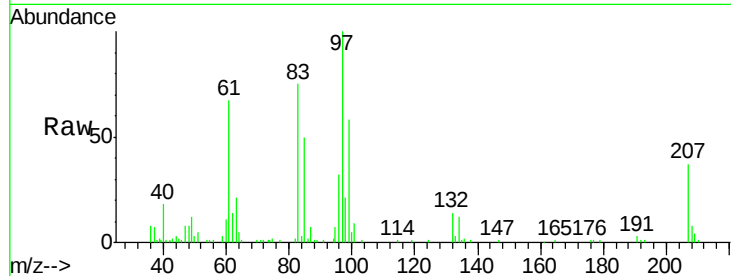
#55
 1,1,2-Trichloroethane
 Concen: 9.791 ug/l
 RT: 10.78 min Scan# 1456
 Delta R.T. -0.01 min
 Lab File: VW009032.D
 Acq: 07 Mar 2019 11:21

Instrument :
 MSVOA_W
 ClientSampled :
 VSTDIC010

Tot Ion:	97	Resp:	20718
Ion	Ratio	Lower	Upper
97	100		
83	74.1	66.2	99.2
85	49.5	43.6	65.4
99	57.2	49.0	73.4

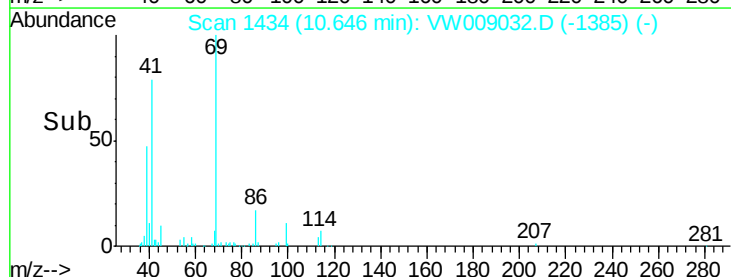
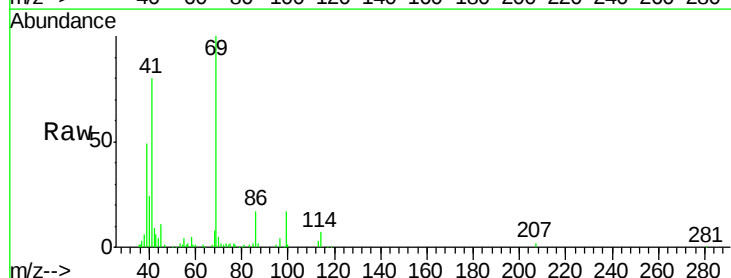
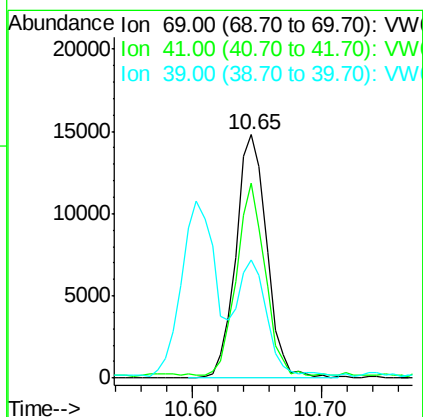
Manual Integrations
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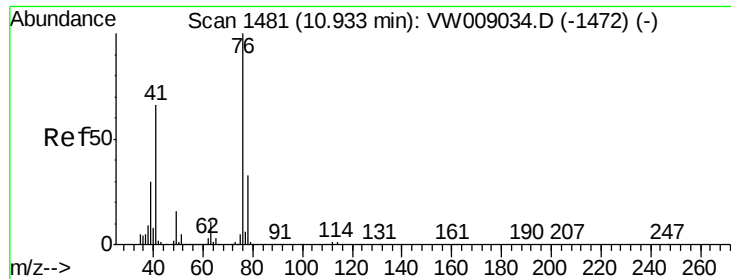
MMDadoda
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#56
 Ethyl methacrylate
 Concen: 9.291 ug/l
 RT: 10.65 min Scan# 1434
 Delta R.T. 0.00 min
 Lab File: VW009032.D
 Acq: 07 Mar 2019 11:21

Tgt Ion:	69	Resp:	24653
Ion	Ratio	Lower	Upper
69	100		
41	73.1	59.4	89.2
39	45.3	38.5	57.7





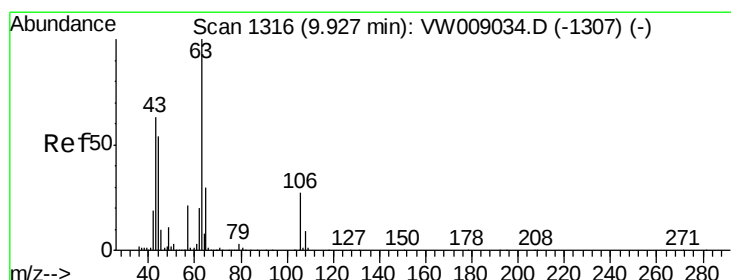
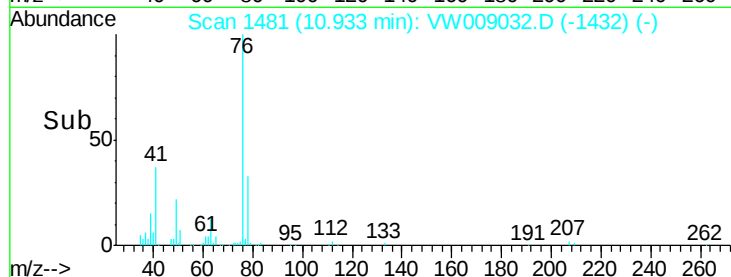
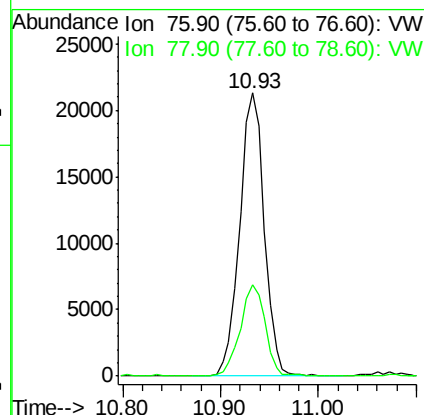
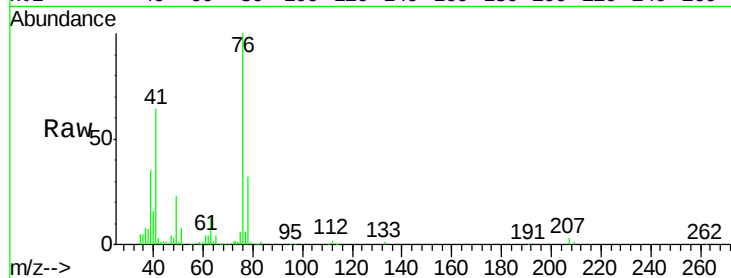
#57
 1,3-Dichloropropane
 Concen: 9.902 ug/l
 RT: 10.93 min Scan# 1481
 Delta R.T. 0.00 min
 Lab File: VW009032.D
 Acq: 07 Mar 2019 11:21

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC010

Tot Ion	Ratio	Lower	Upper
76	100		
78	32.8	25.7	38.5

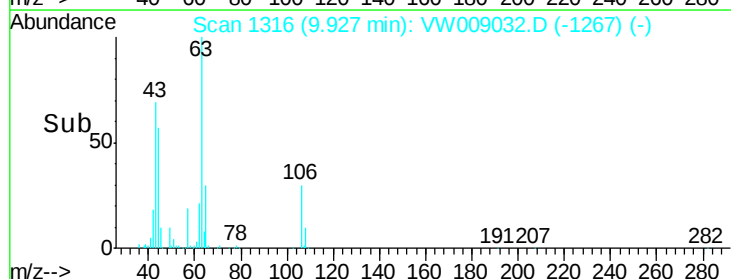
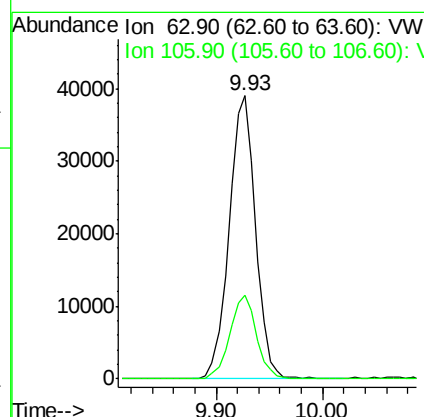
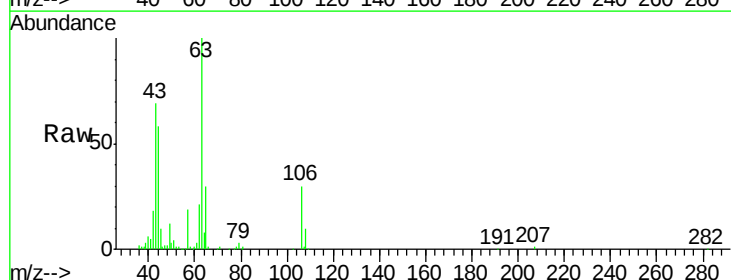
Manual Integrations
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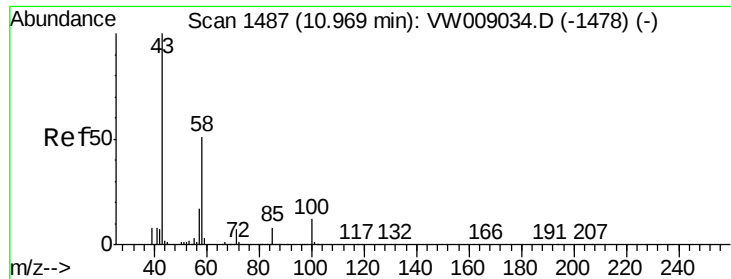
MMDadoda
 3/8/2019 12:07:05 PM



#58
 2-Chloroethyl Vinyl ether
 Concen: 49.052 ug/l
 RT: 9.93 min Scan# 1316
 Delta R.T. 0.00 min
 Lab File: VW009032.D
 Acq: 07 Mar 2019 11:21

Tgt Ion	Ratio	Lower	Upper
63	100		
106	29.6	23.0	34.6





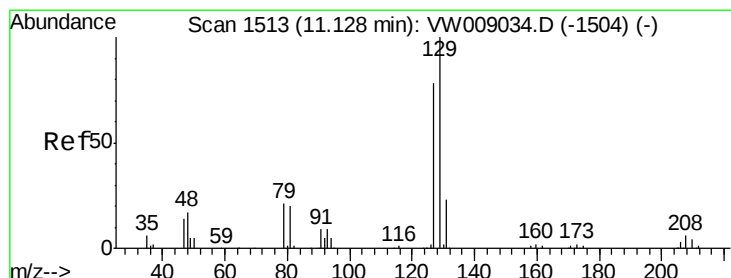
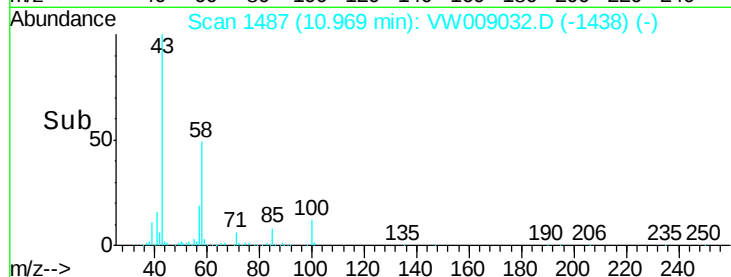
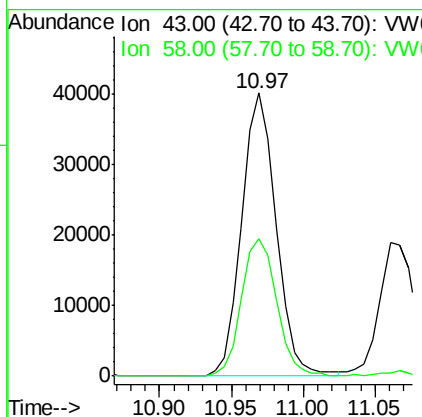
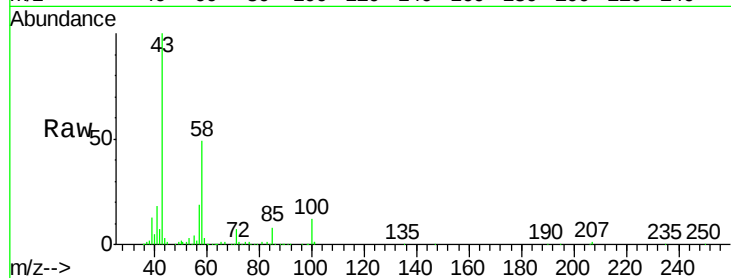
#59
2-Hexanone
Concen: 49.428 ug/l
RT: 10.97 min Scan# 1487
Delta R.T. 0.00 min
Lab File: VW009032.D
Acq: 07 Mar 2019 11:21

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC010

Tot Ion: 43 Resp: 66436
Ion Ratio Lower Upper
43 100
58 49.7 25.3 75.9

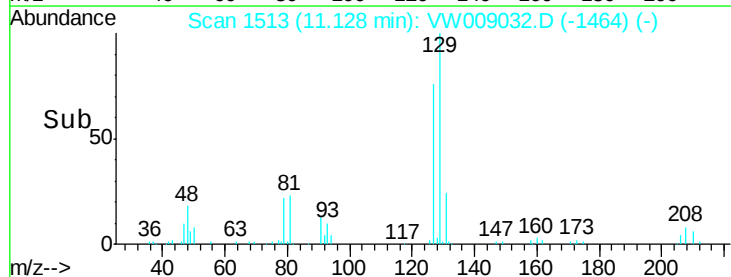
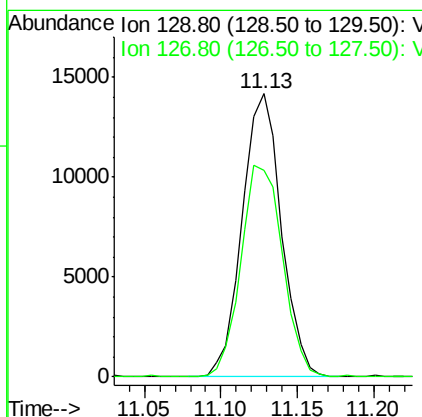
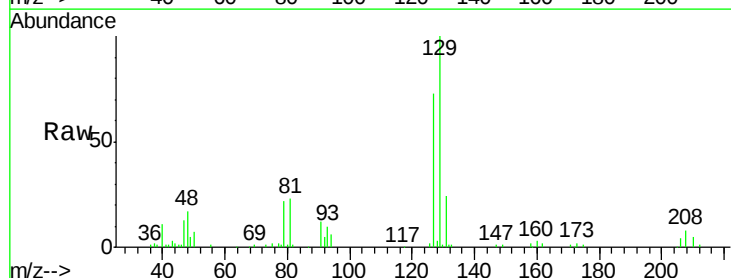
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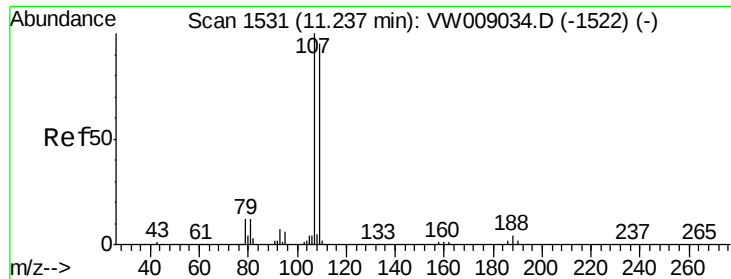
MMDadoda
3/8/2019 12:07:05 PM



#60
Dibromochloromethane
Concen: 9.710 ug/l
RT: 11.13 min Scan# 1513
Delta R.T. 0.00 min
Lab File: VW009032.D
Acq: 07 Mar 2019 11:21

Tgt Ion:129 Resp: 25243
Ion Ratio Lower Upper
129 100
127 79.7 38.4 115.1





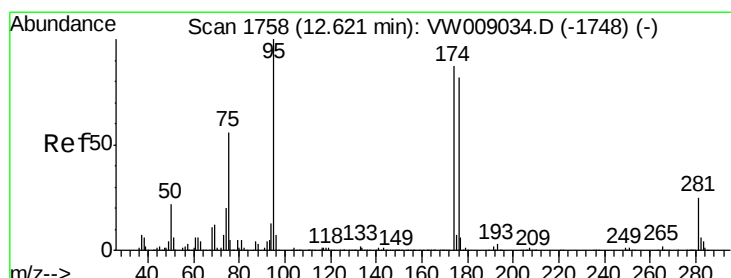
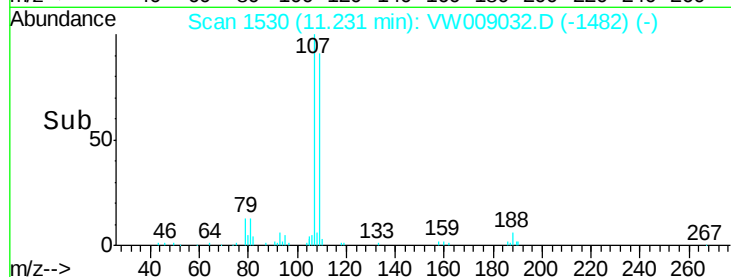
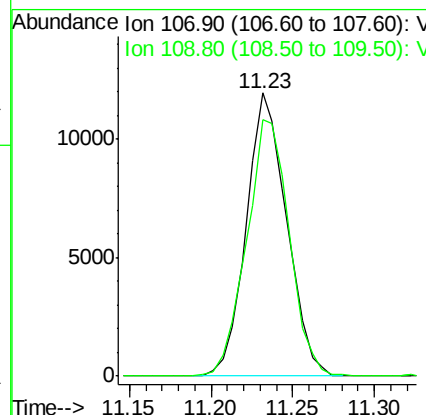
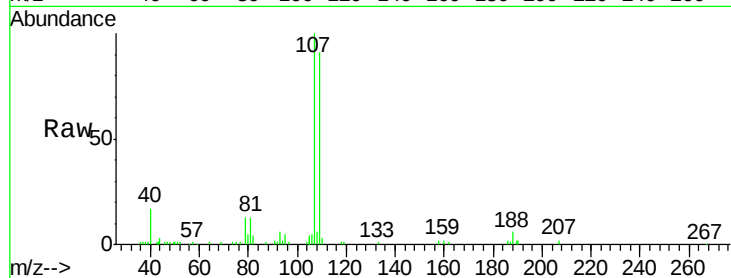
#61
 1,2-Dibromoethane
 Concen: 9.974 ug/l
 RT: 11.23 min Scan# 1530
 Delta R.T. -0.01 min
 Lab File: VW009032.D
 Acq: 07 Mar 2019 11:21

Instrument :
 MSVOA_W
 ClientSampled :
 VSTDIC010

Tot Ion: 107 Resp: 20511
 Ion Ratio Lower Upper
 107 100
 109 96.0 74.7 112.1

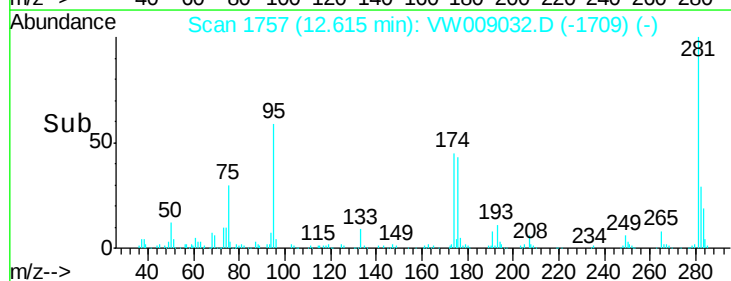
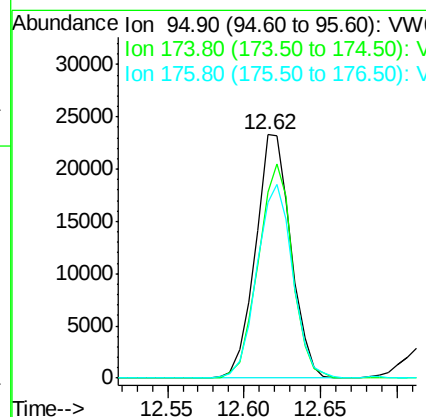
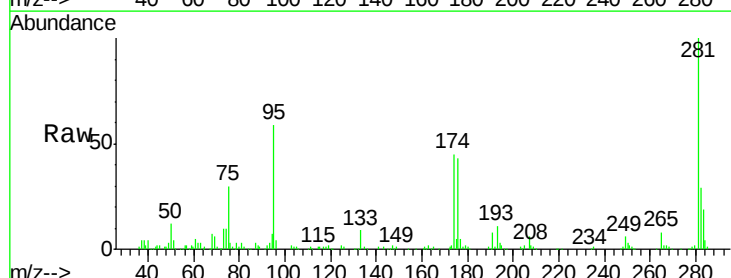
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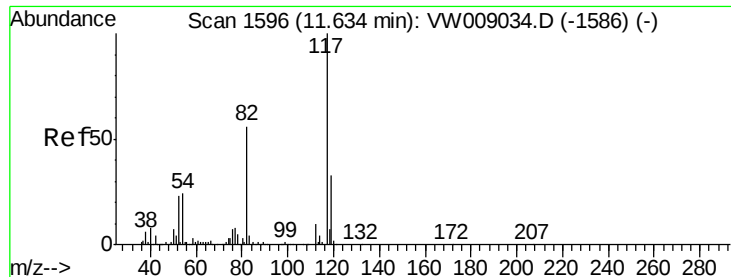
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 3/8/2019 12:07:05 PM



#62
 4-Bromofluorobenzene
 Concen: 9.312 ug/l
 RT: 12.62 min Scan# 1757
 Delta R.T. -0.01 min
 Lab File: VW009032.D
 Acq: 07 Mar 2019 11:21

Tgt Ion: 95 Resp: 37507
 Ion Ratio Lower Upper
 95 100
 174 85.1 0.0 167.0
 176 80.6 0.0 159.4





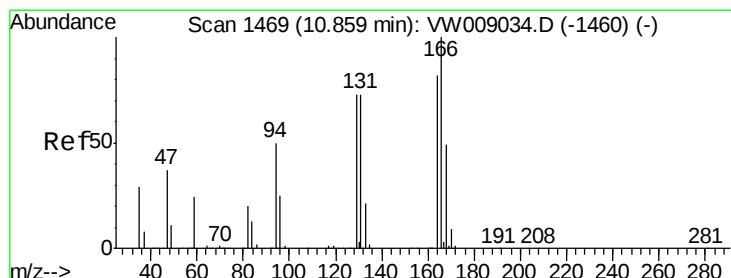
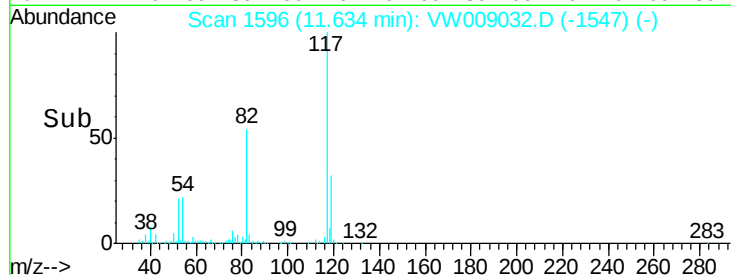
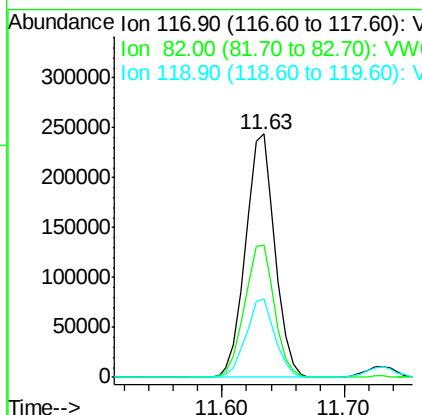
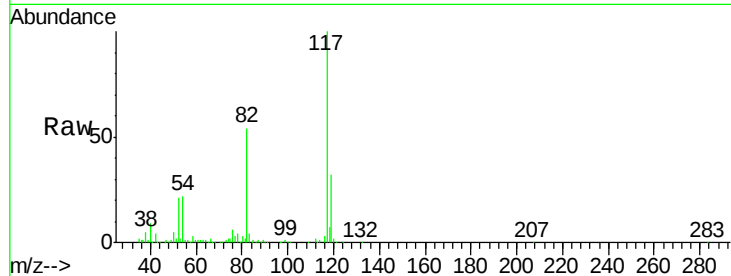
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1596
Delta R.T. 0.00 min
Lab File: VW009032.D
Acq: 07 Mar 2019 11:21

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC010

Tot Ion	Ratio	Resp	Lower	Upper
117	100	406110		
82	54.1	45.0	67.6	
119	32.4	26.6	39.8	

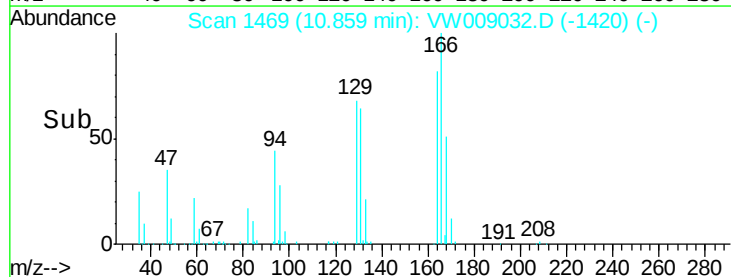
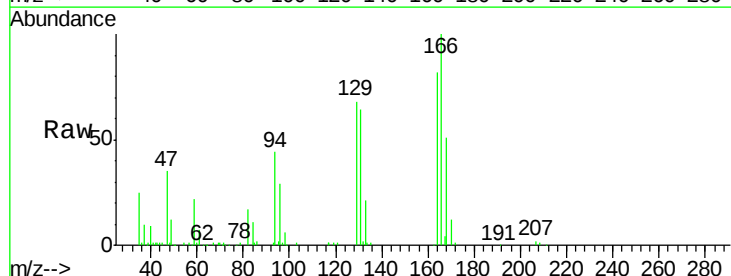
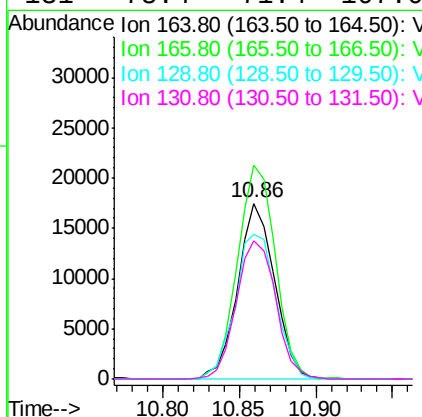
Manual Integrations
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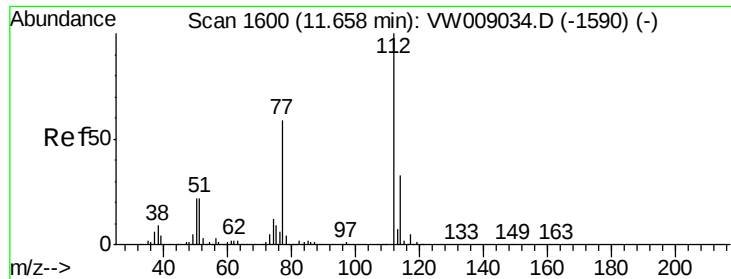
MMDadoda
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#64
Tetrachloroethene
Concen: 9.899 ug/l
RT: 10.86 min Scan# 1469
Delta R.T. 0.00 min
Lab File: VW009032.D
Acq: 07 Mar 2019 11:21

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	29186		
166	121.5	97.8	146.6	
129	82.3	71.6	107.4	
131	78.4	71.4	107.0	





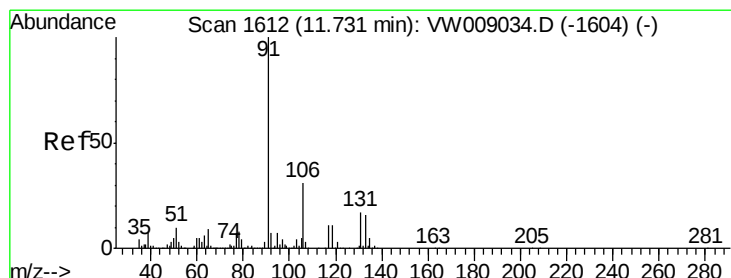
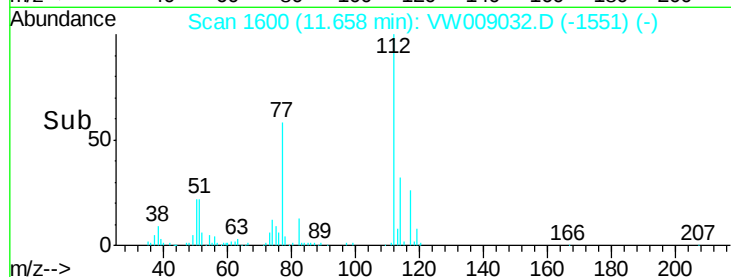
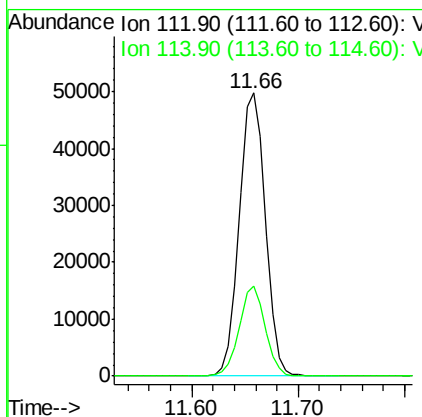
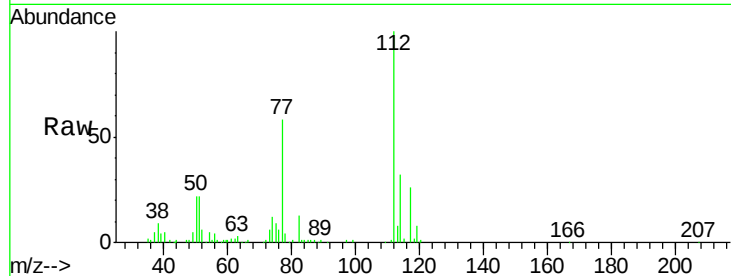
#65
Chlorobenzene
Concen: 9.822 ug/l
RT: 11.66 min Scan# 1600
Delta R.T. 0.00 min
Lab File: VW009032.D
Acq: 07 Mar 2019 11:21

Instrument :
MSVOA_W
ClientSampled :
VSTDIC010

Tot Ion	Ratio	Lower	Upper
112	100		
114	31.7	26.6	40.0

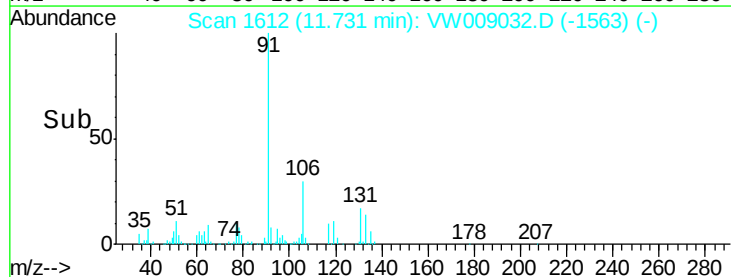
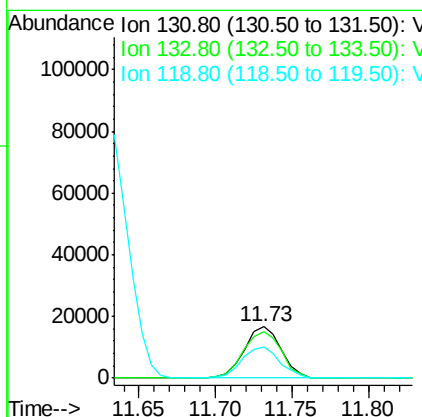
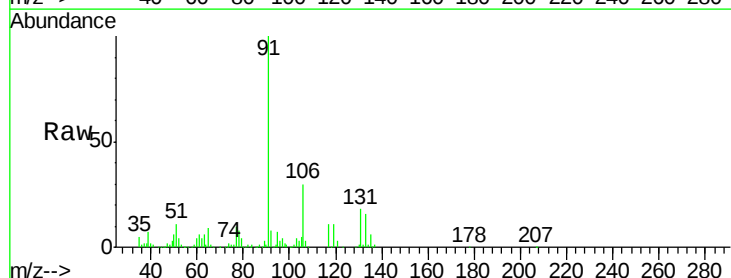
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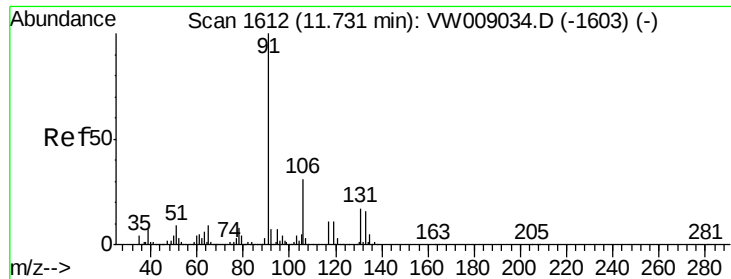
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#66
1,1,1,2-Tetrachloroethane
Concen: 9.556 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. 0.00 min
Lab File: VW009032.D
Acq: 07 Mar 2019 11:21

Tgt Ion	Ratio	Lower	Upper
131	100		
133	95.1	47.6	142.8
119	63.8	31.3	93.8





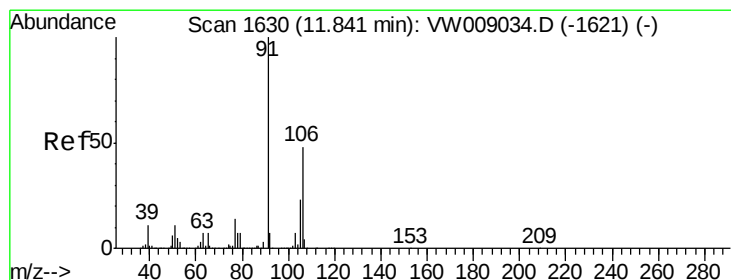
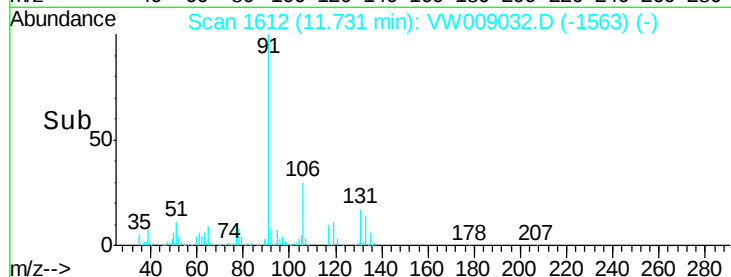
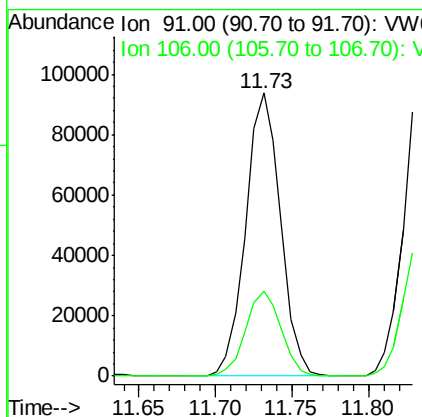
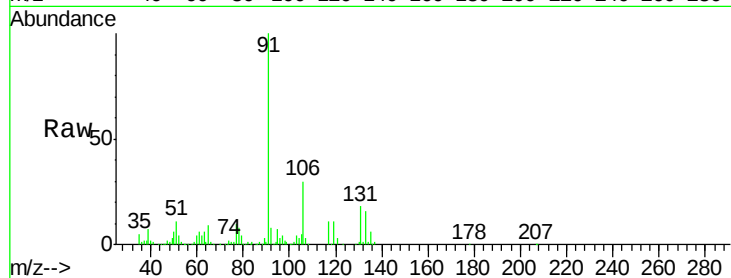
#67
Ethyl Benzene
Concen: 9.433 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. 0.00 min
Lab File: VW009032.D
Acq: 07 Mar 2019 11:21

Instrument :
MSVOA_W
ClientSampled :
VSTDIC010

Tot Ion: 91 Resp: 148285
Ion Ratio Lower Upper
91 100
106 30.1 25.0 37.4

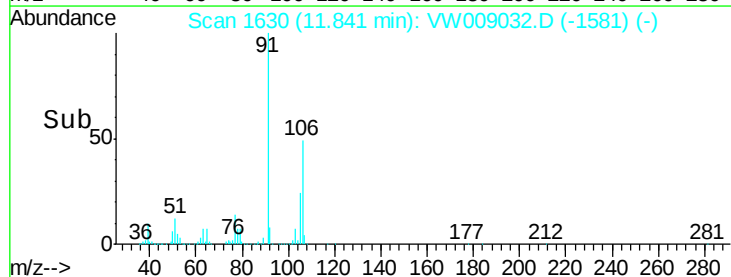
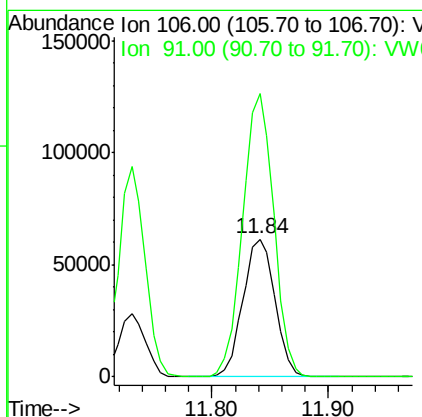
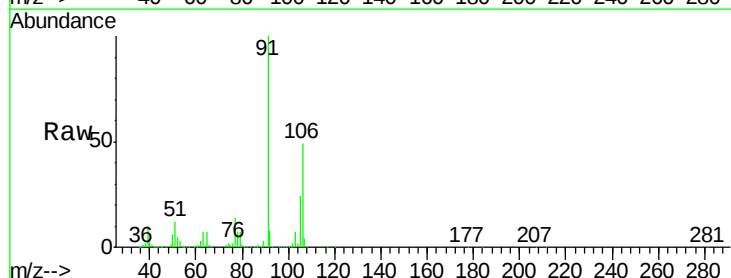
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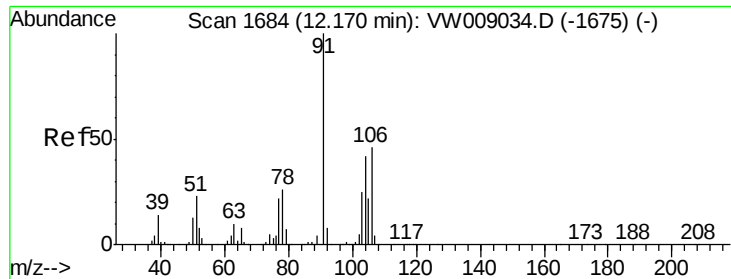
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#68
m/p-Xylenes
Concen: 19.049 ug/l
RT: 11.84 min Scan# 1630
Delta R.T. 0.00 min
Lab File: VW009032.D
Acq: 07 Mar 2019 11:21

Tgt Ion: 106 Resp: 118345
Ion Ratio Lower Upper
106 100
91 199.1 163.2 244.8





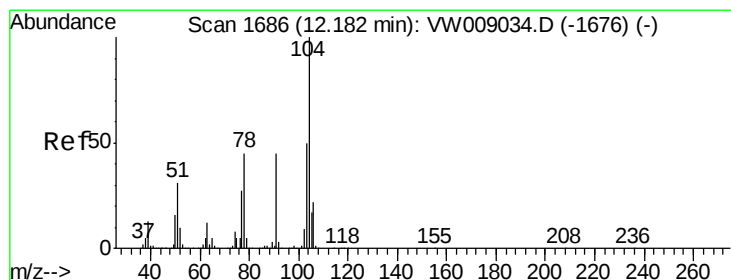
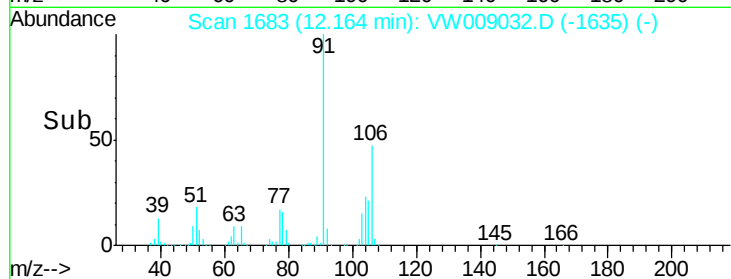
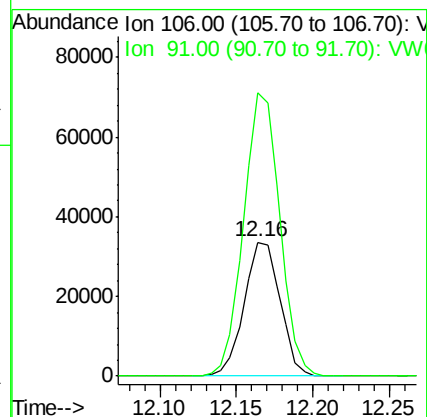
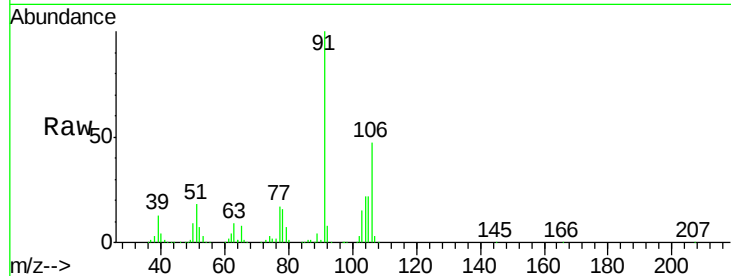
#69
o-Xylene
Concen: 9.511 ug/l
RT: 12.16 min Scan# 1683
Delta R.T. -0.01 min
Lab File: VW009032.D
Acq: 07 Mar 2019 11:21

Instrument :
MSVOA_W
ClientSampled :
VSTDIC010

Tot Ion	Ion	Ratio	Lower	Upper
106	100			
91	213.7	108.6	325.6	

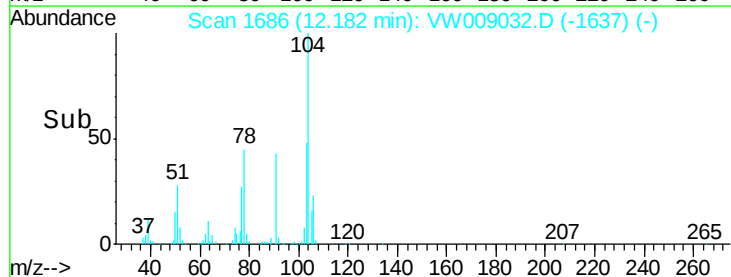
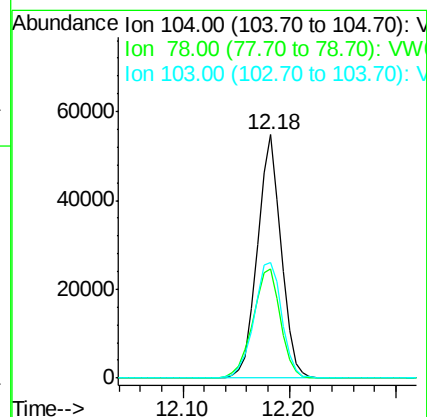
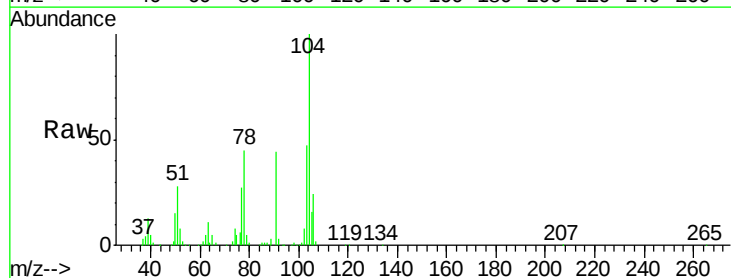
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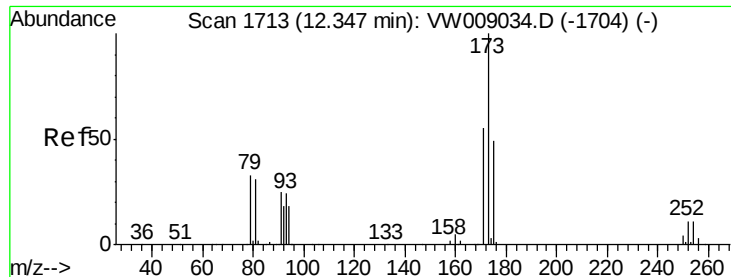
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3/8/2019 12:07:05 PM



#70
Styrene
Concen: 9.093 ug/l
RT: 12.18 min Scan# 1686
Delta R.T. 0.00 min
Lab File: VW009032.D
Acq: 07 Mar 2019 11:21

Tgt Ion	Ion	Ratio	Lower	Upper
104	100			
78	52.3	42.1	63.1	
103	55.9	43.9	65.9	





#71

Bromoform

Concen: 9.226 ug/l

RT: 12.35 min Scan# 1714

Delta R.T. 0.01 min

Lab File: VW009032.D

Acq: 07 Mar 2019 11:21

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC010

Tot Ion:173 Resp: 14592

Ion Ratio Lower Upper

173 100

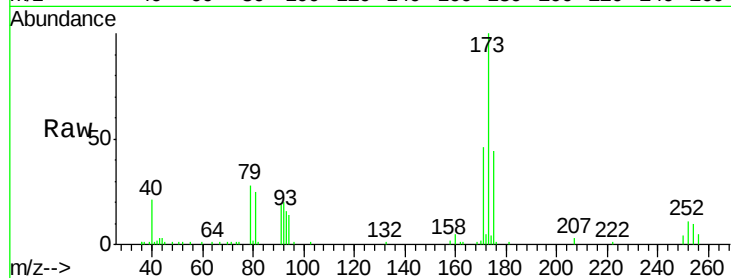
175 51.7 24.6 74.0

254 0.0 0.0 0.0

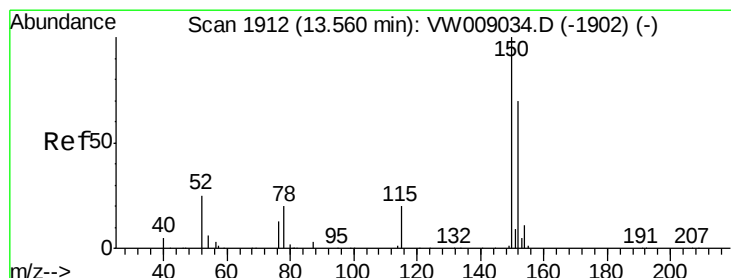
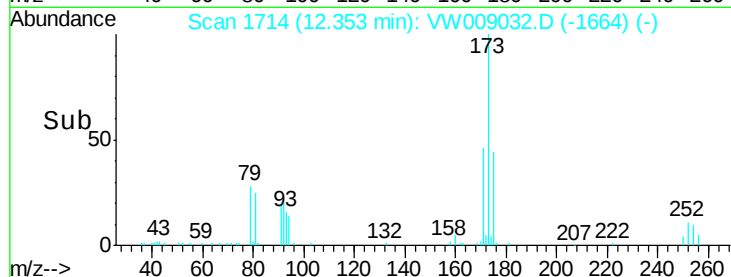
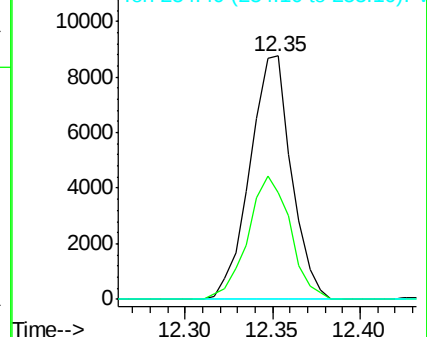
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Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.56 min Scan# 1912

Delta R.T. 0.00 min

Lab File: VW009032.D

Acq: 07 Mar 2019 11:21

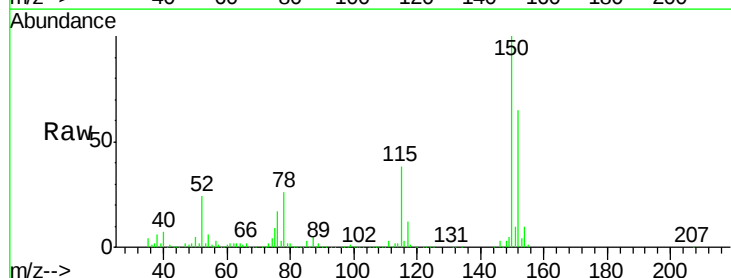
Tgt Ion:152 Resp: 223171

Ion Ratio Lower Upper

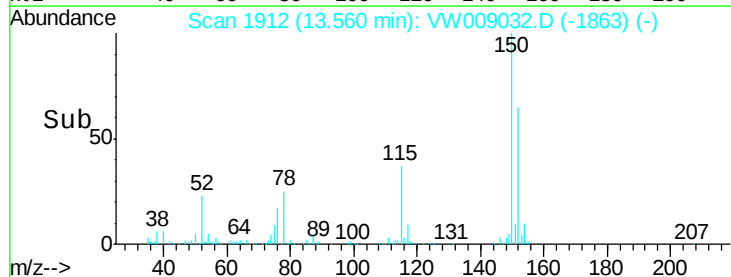
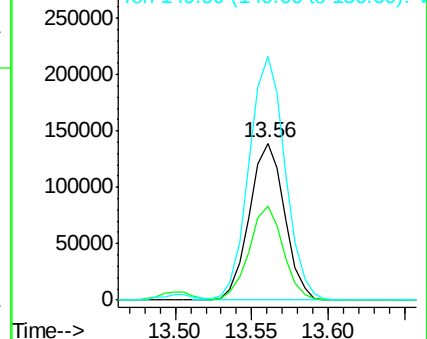
152 100

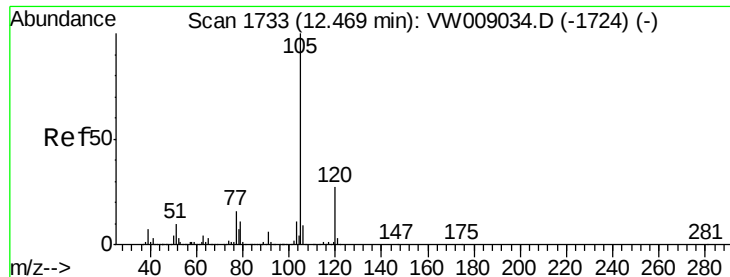
115 57.4 28.9 86.7

150 159.4 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: 9.258 ug/l

RT: 12.46 min Scan# 1732

Delta R.T. -0.01 min

Lab File: VW009032.D

Acq: 07 Mar 2019 11:21

Instrument :

MSVOA_W

ClientSampled :

VSTDIC010

Tot Ion: 105 Resp: 146817

Ion Ratio Lower Upper

105 100

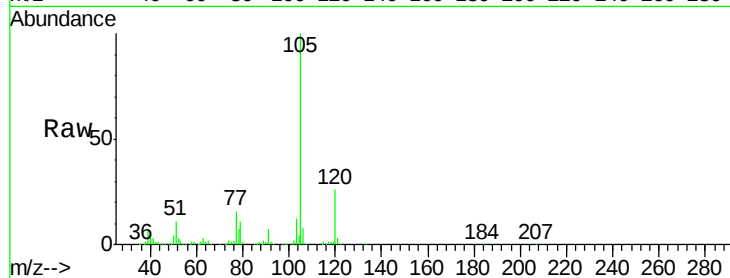
120 27.3 13.2 39.6

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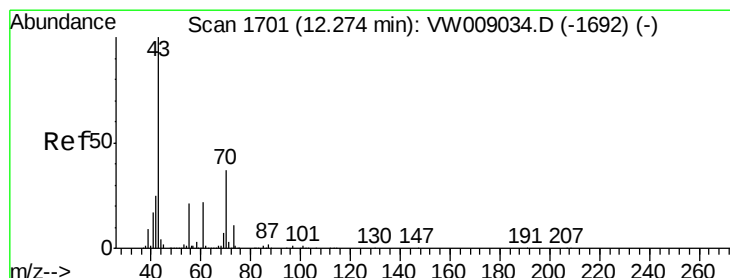
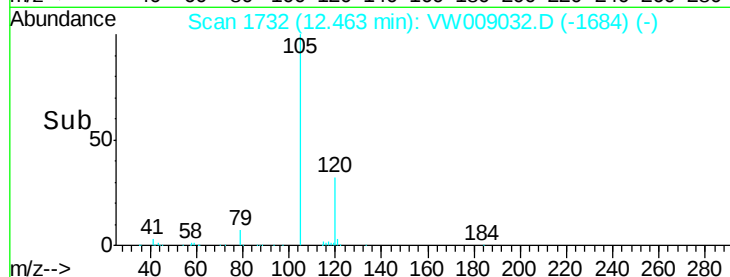
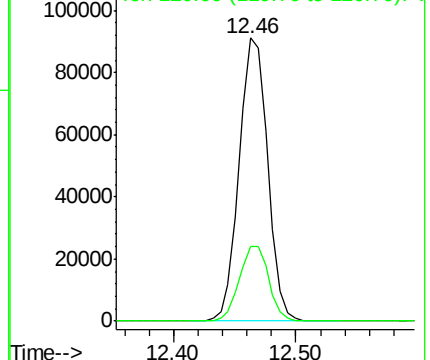
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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 8.926 ug/l

RT: 12.27 min Scan# 1701

Delta R.T. 0.00 min

Lab File: VW009032.D

Acq: 07 Mar 2019 11:21

Tgt Ion: 43 Resp: 33837

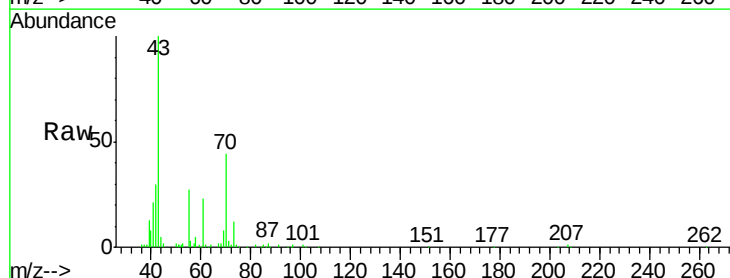
Ion Ratio Lower Upper

43 100

70 41.8 30.8 46.2

55 26.7 17.8 26.8

61 23.6 17.4 26.2

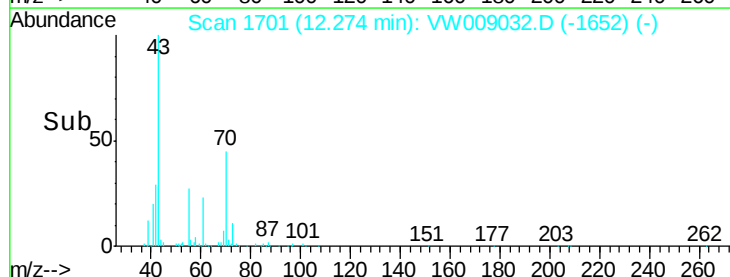
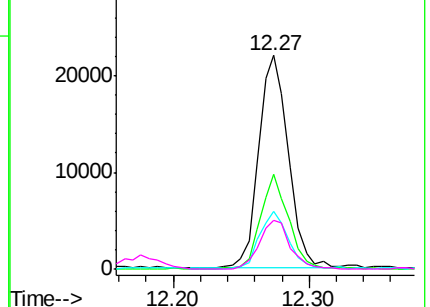


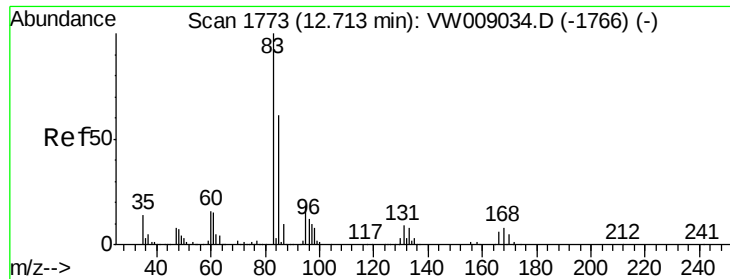
Abundance Ion 43.00 (42.70 to 43.70): VV

Ion 70.00 (69.70 to 70.70): VV

Ion 55.00 (54.70 to 55.70): VV

Ion 61.00 (60.70 to 61.70): VV





#75

1,1,2,2-Tetrachloroethane

Concen: 10.248 ug/l

RT: 12.71 min Scan# 1773

Delta R.T. 0.00 min

Lab File: VW009032.D

Acq: 07 Mar 2019 11:21

Instrument :

MSVOA_W

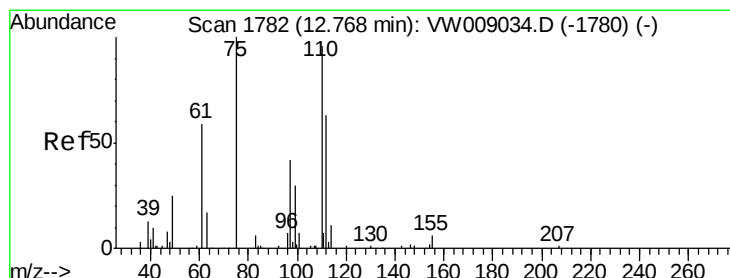
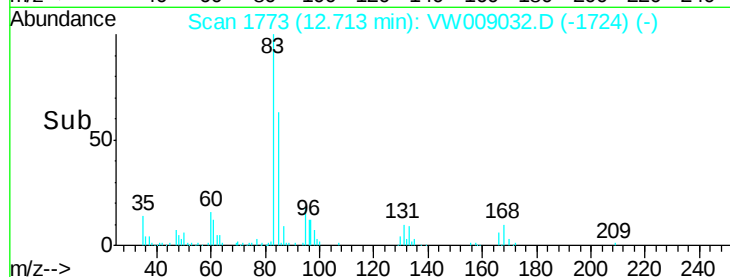
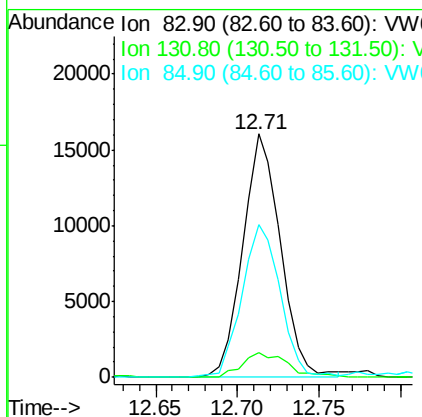
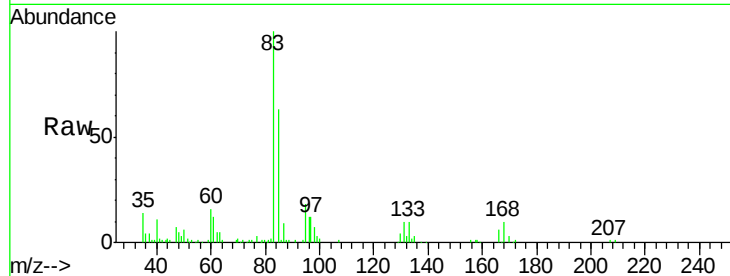
ClientSampleId :

VSTDIC010

Tot Ion:	83	Resp:	25850
Ion Ratio	Lower	Upper	
83	100		
131	12.1	5.5	16.7
85	63.9	31.7	95.1

Manual Integrations
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#76

1,2,3-Trichloropropane

Concen: 7.386 ug/l m

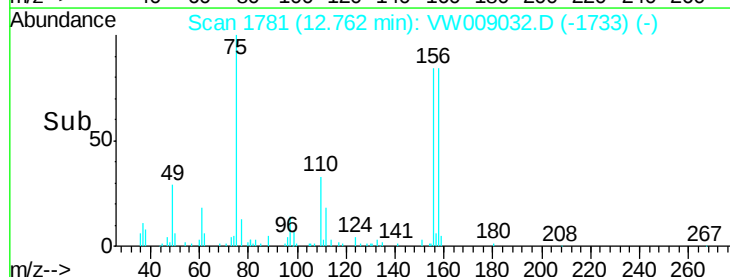
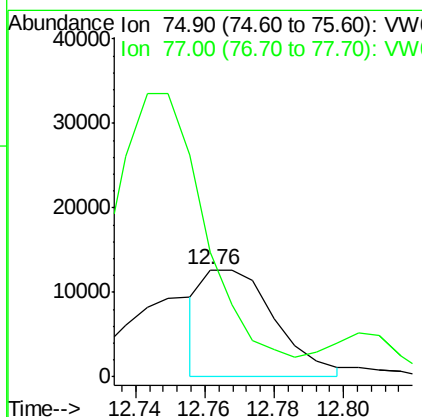
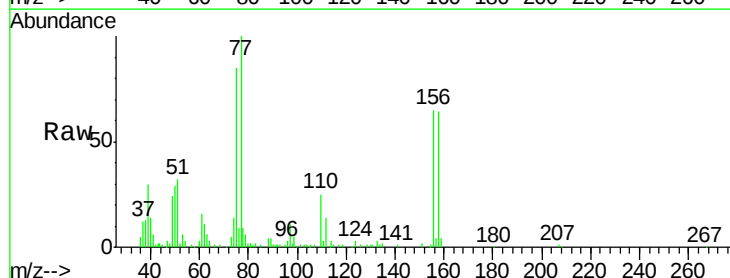
RT: 12.76 min Scan# 1781

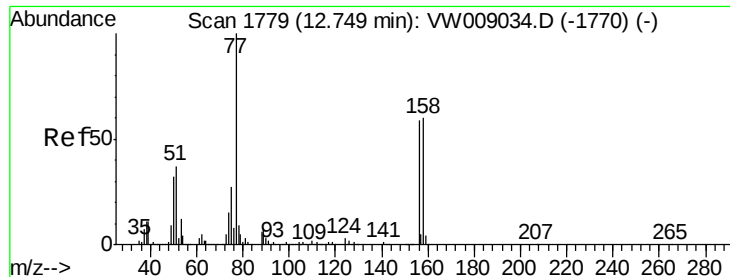
Delta R.T. -0.01 min

Lab File: VW009032.D

Acq: 07 Mar 2019 11:21

Tgt Ion:	75	Resp:	18353
Ion Ratio	Lower	Upper	
75	100		
77	347.1	186.7	560.0





#77

Bromobenzene

Concen: 9.847 ug/l

RT: 12.75 min Scan# 1779

Delta R.T. 0.00 min

Lab File: VW009032.D

Acq: 07 Mar 2019 11:21

Instrument :

MSVOA_W

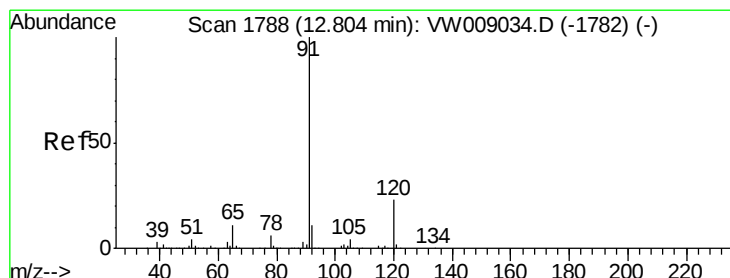
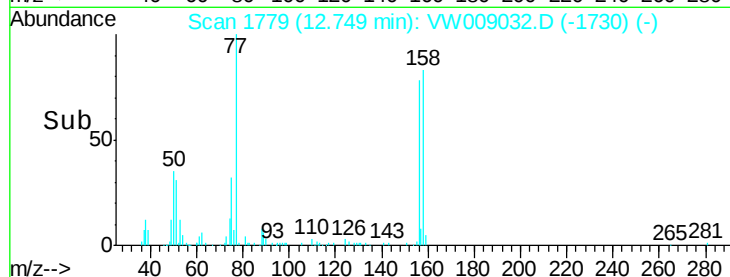
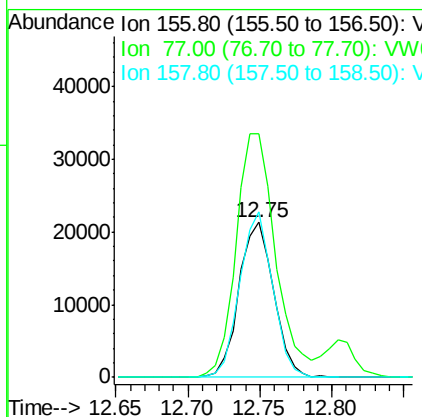
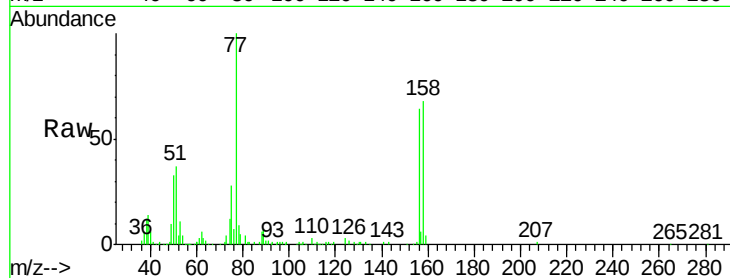
ClientSampled :

VSTDIC010

Tot Ion:	156	Resp:	35707
Ion	Ratio	Lower	Upper
156	100		
77	178.4	93.0	279.2
158	101.3	50.0	149.8

Manual Integrations
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#78

n-propylbenzene

Concen: 9.359 ug/l

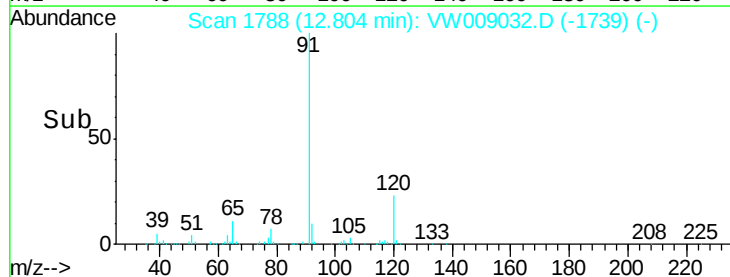
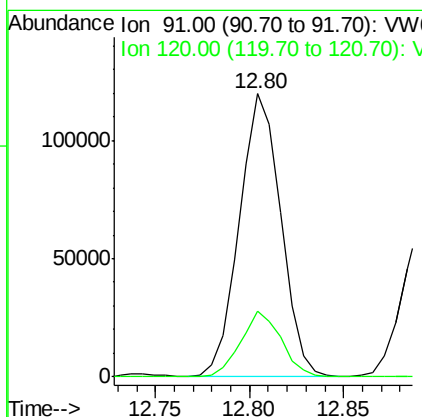
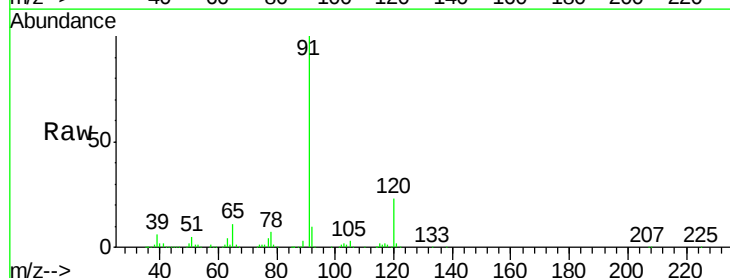
RT: 12.80 min Scan# 1788

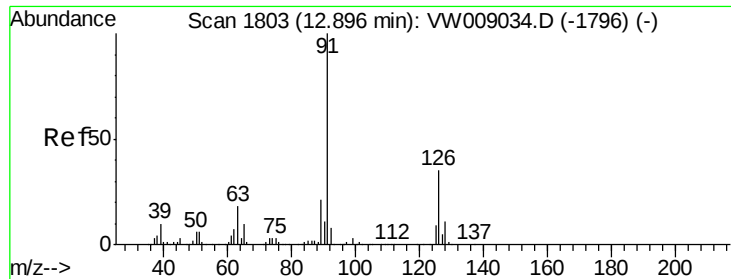
Delta R.T. 0.00 min

Lab File: VW009032.D

Acq: 07 Mar 2019 11:21

Tgt Ion:	91	Resp:	182205
Ion	Ratio	Lower	Upper
91	100		
120	22.7	11.4	34.2





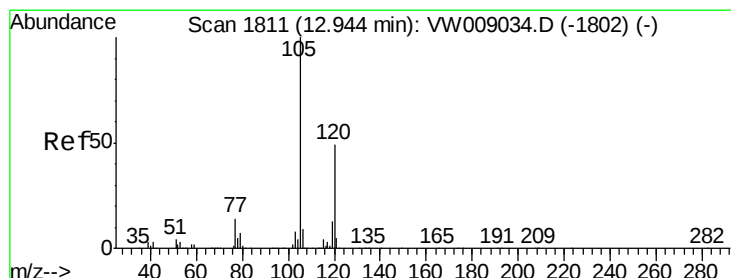
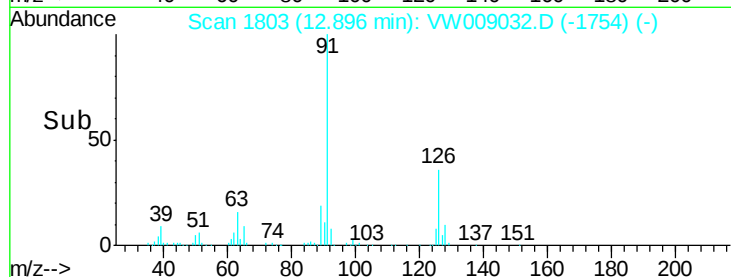
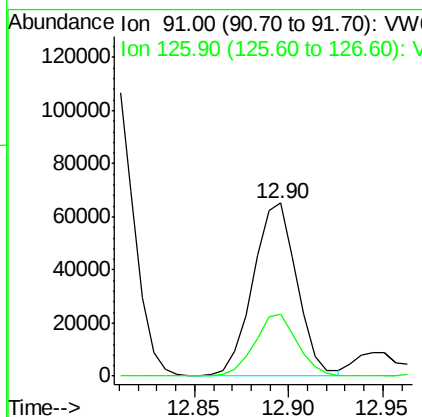
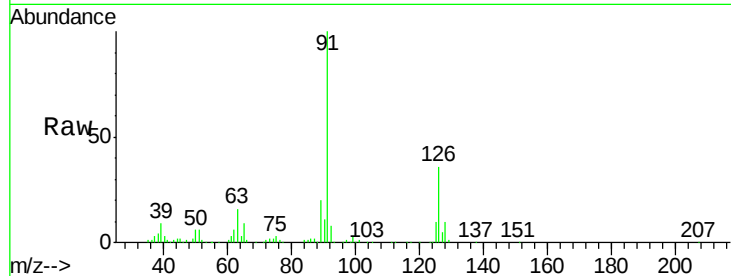
#79
2-Chlorotoluene
Concen: 9.578 ug/l
RT: 12.90 min Scan# 1803
Delta R.T. 0.00 min
Lab File: VW009032.D
Acq: 07 Mar 2019 11:21

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC010

Tot Ion: 91 Resp: 104776
Ion Ratio Lower Upper
91 100
126 35.3 16.8 50.4

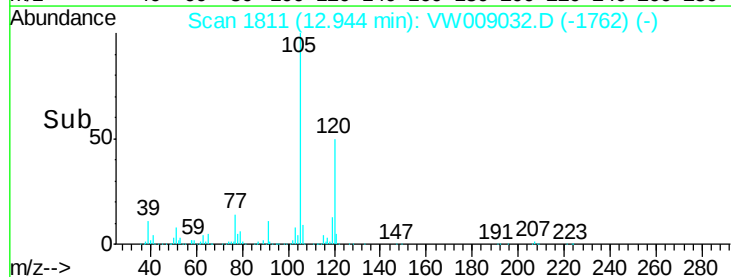
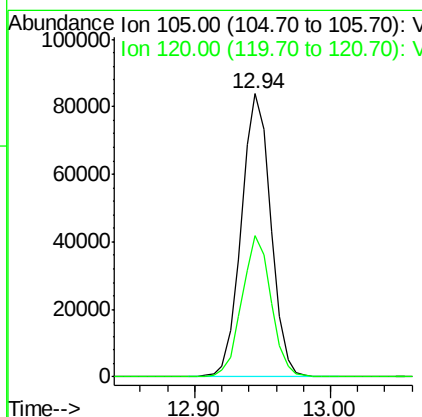
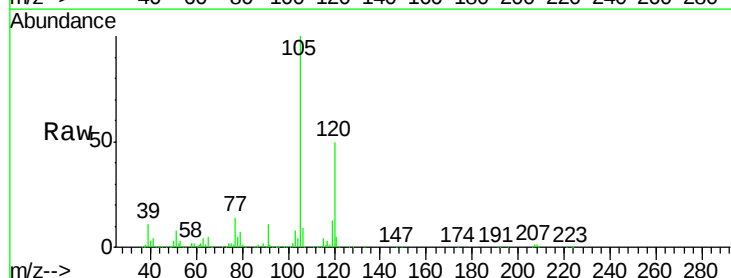
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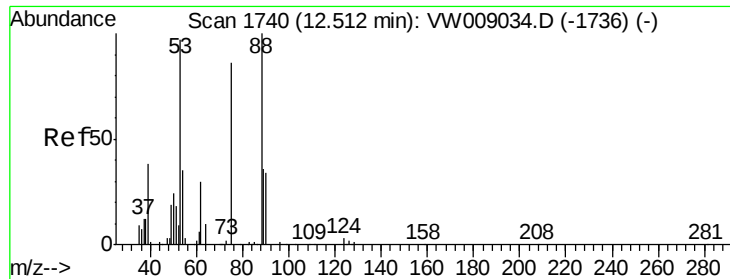
MMDadoda
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#80
1,3,5-Trimethylbenzene
Concen: 9.298 ug/l
RT: 12.94 min Scan# 1811
Delta R.T. 0.00 min
Lab File: VW009032.D
Acq: 07 Mar 2019 11:21

Tgt Ion: 105 Resp: 127090
Ion Ratio Lower Upper
105 100
120 49.6 24.4 73.2





#81

trans-1,4-Dichloro-2-butene

Concen: 9.584 ug/l

RT: 12.51 min Scan# 1740

Delta R.T. 0.00 min

Lab File: VW009032.D

Acq: 07 Mar 2019 11:21

Instrument :

MSVOA_W

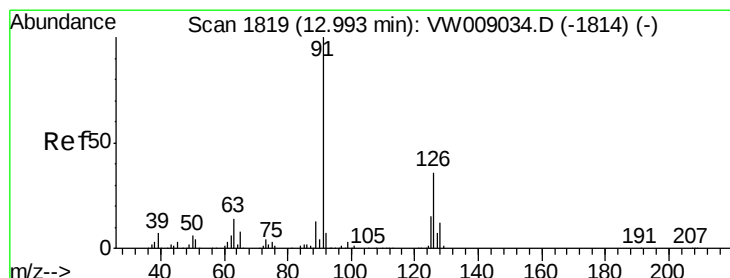
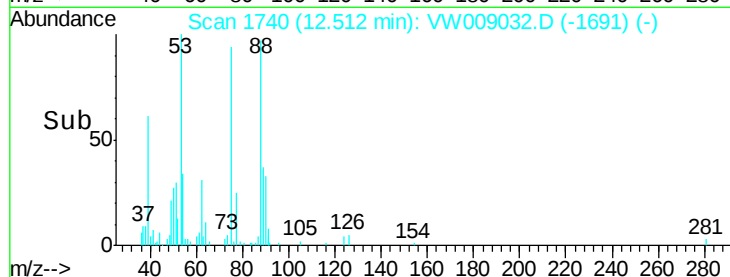
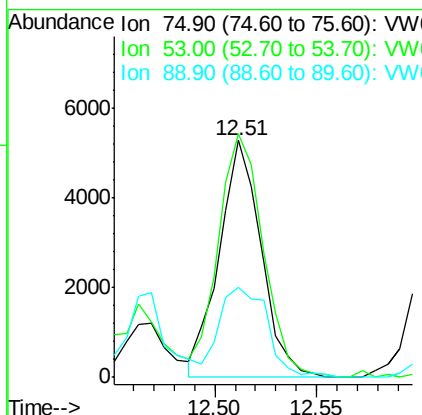
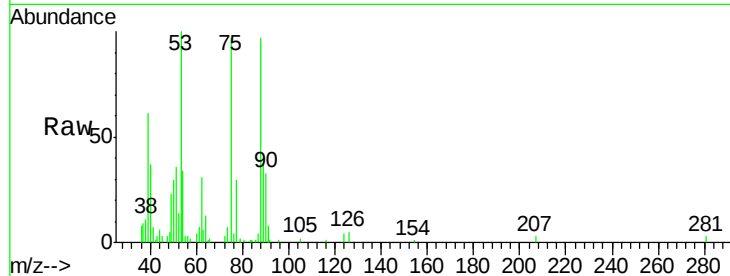
ClientSampled :

VSTDIC010

Tot Ion:	75	Resp:	7497
Ion	Ratio	Lower	Upper
75	100		
53	110.2	90.5	135.7
89	43.5	37.5	56.3

Manual Integrations
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3/8/2019 12:07:05 PM



#82

4-Chlorotoluene

Concen: 9.261 ug/l

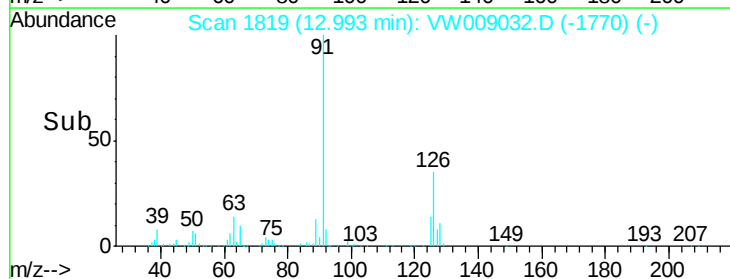
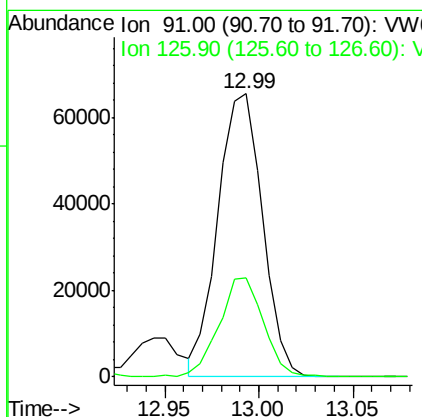
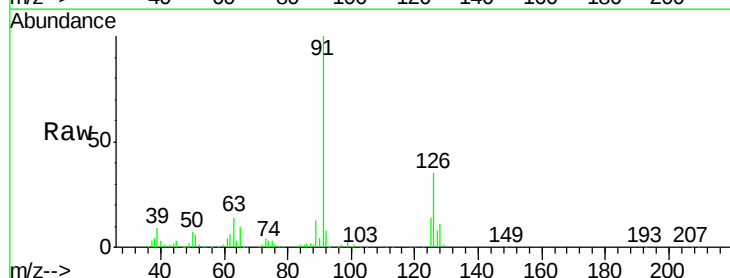
RT: 12.99 min Scan# 1819

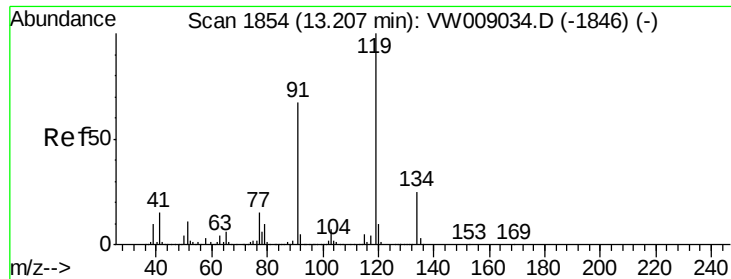
Delta R.T. 0.00 min

Lab File: VW009032.D

Acq: 07 Mar 2019 11:21

Tgt Ion:	91	Resp:	107953
Ion	Ratio	Lower	Upper
91	100		
126	34.9	16.6	49.8





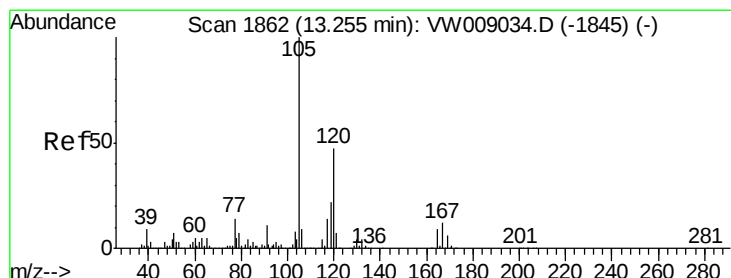
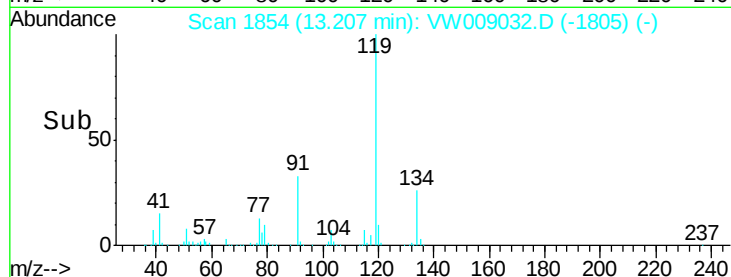
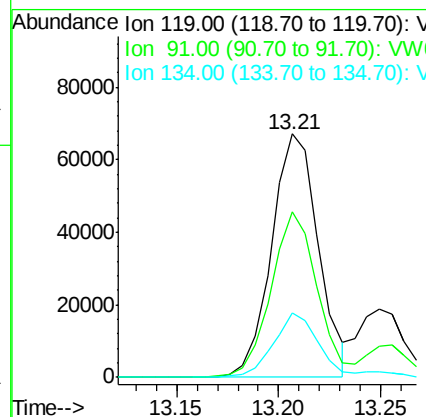
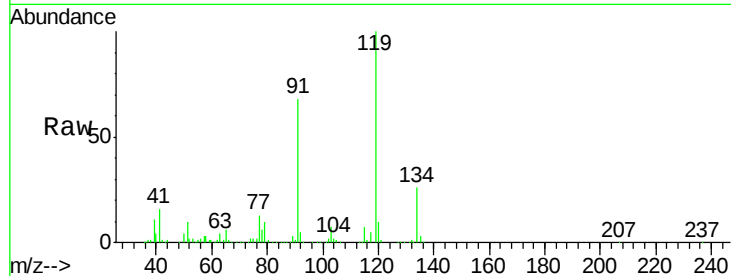
#83
 tert-Butylbenzene
 Concen: 9.343 ug/l
 RT: 13.21 min Scan# 1854
 Delta R.T. 0.00 min
 Lab File: VW009032.D
 Acq: 07 Mar 2019 11:21

Instrument :
 MSVOA_W
 ClientSampled :
 VSTDIC010

Tot Ion	Ratio	Lower	Upper
119	100		
91	67.6	34.2	102.5
134	25.4	13.9	41.6

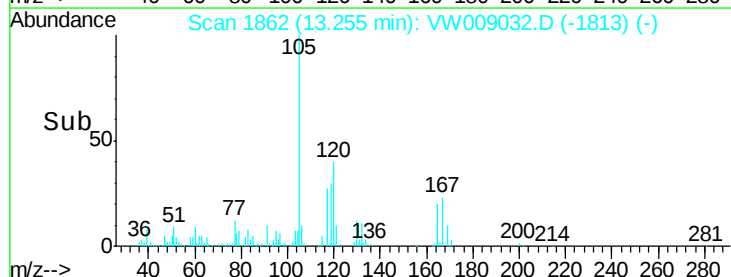
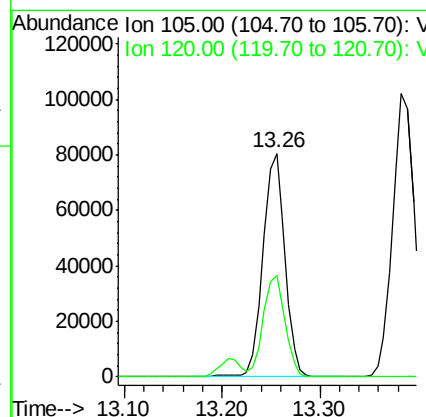
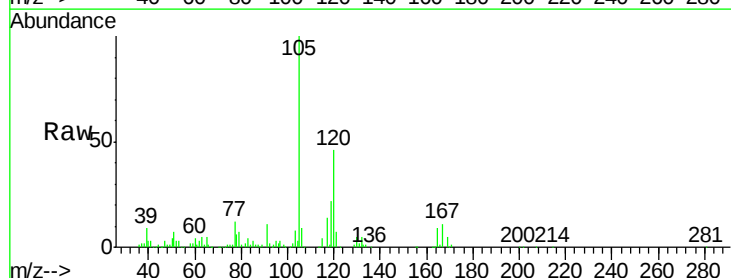
Manual Integrations
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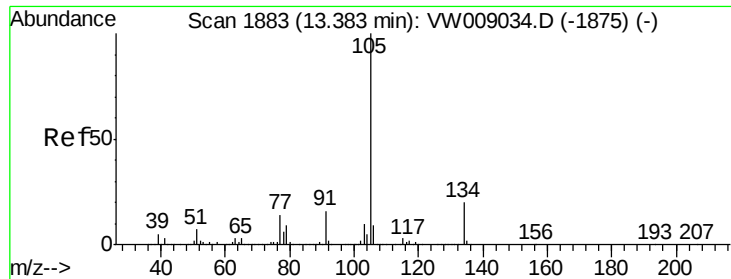
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#84
 1,2,4-Trimethylbenzene
 Concen: 9.084 ug/l
 RT: 13.26 min Scan# 1862
 Delta R.T. 0.00 min
 Lab File: VW009032.D
 Acq: 07 Mar 2019 11:21

Tgt Ion	Ratio	Lower	Upper
105	100		
120	45.3	22.8	68.4





#85

sec-Butylbenzene

Concen: 9.320 ug/l

RT: 13.38 min Scan# 1883

Delta R.T. 0.00 min

Lab File: VW009032.D

Acq: 07 Mar 2019 11:21

Instrument :

MSVOA_W

ClientSampled :

VSTDIC010

Tot Ion:105 Resp: 158551

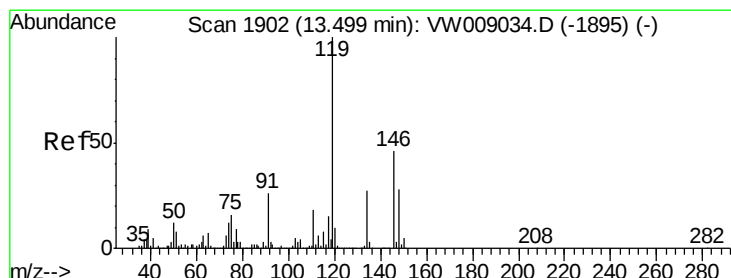
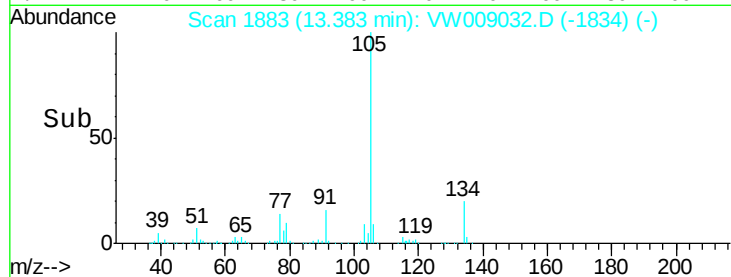
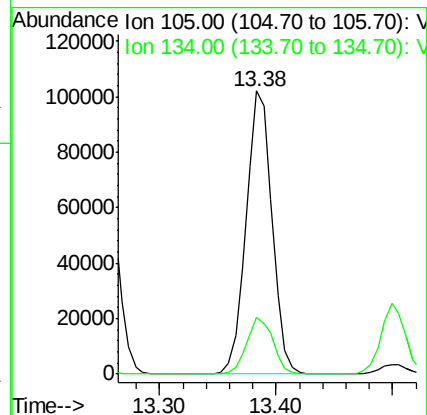
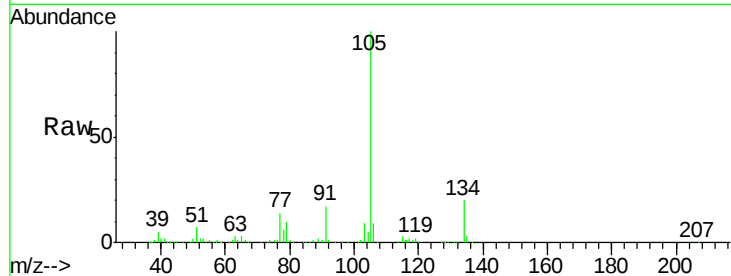
Ion Ratio Lower Upper

105 100

134 20.3 10.0 30.0

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#86

p-Isopropyltoluene

Concen: 9.137 ug/l

RT: 13.50 min Scan# 1902

Delta R.T. 0.00 min

Lab File: VW009032.D

Acq: 07 Mar 2019 11:21

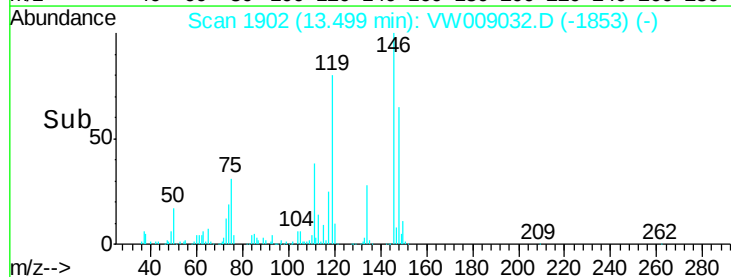
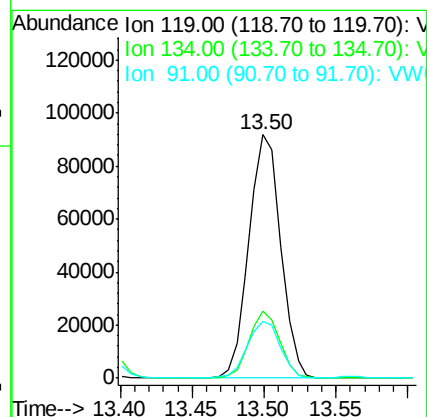
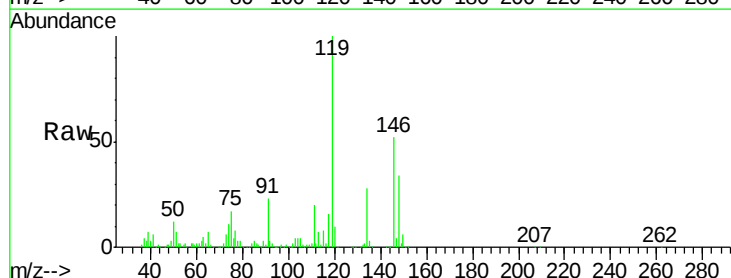
Tgt Ion:119 Resp: 139326

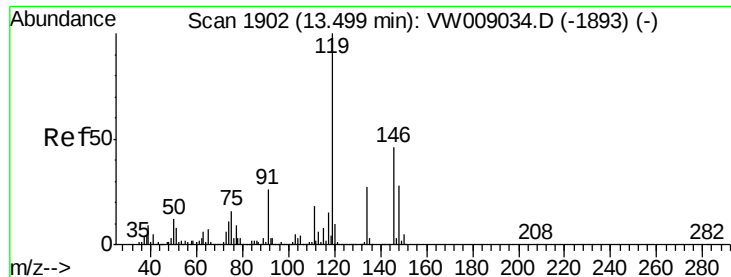
Ion Ratio Lower Upper

119 100

134 26.7 13.3 39.9

91 24.6 12.3 36.9





#87

1,3-Dichlorobenzene

Concen: 9.488 ug/l

RT: 13.50 min Scan# 1902

Delta R.T. 0.00 min

Lab File: VW009032.D

Acq: 07 Mar 2019 11:21

Instrument :

MSVOA_W

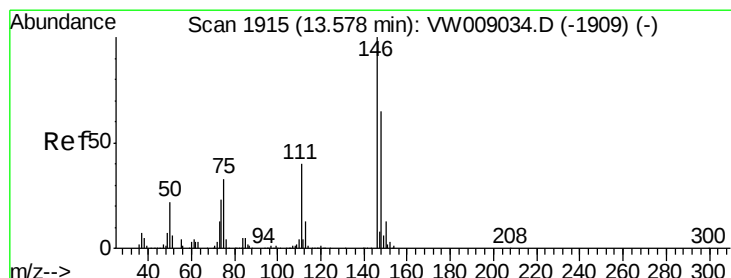
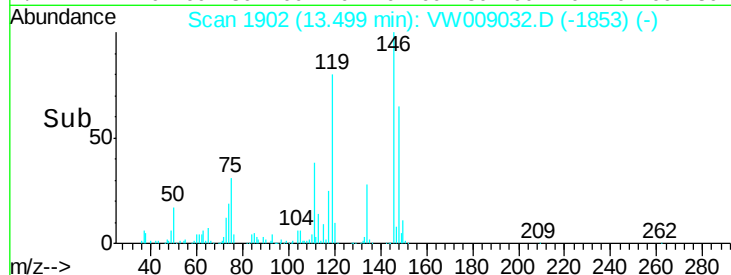
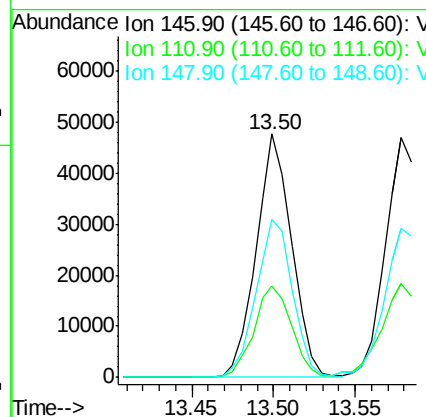
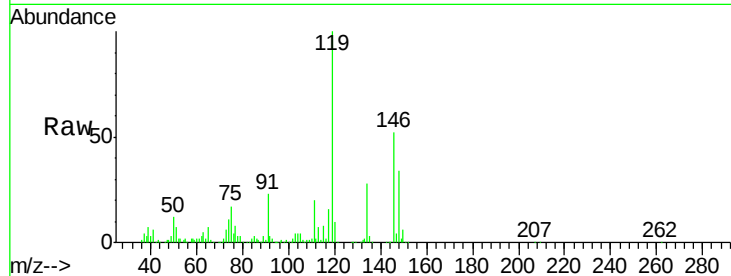
ClientSampled :

VSTDIC010

Tot Ion:	146	Resp:	72146
Ion	Ratio	Lower	Upper
146	100		
111	40.0	19.8	59.4
148	66.7	31.6	94.8

Manual Integrations
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#88

1,4-Dichlorobenzene

Concen: 9.875 ug/l

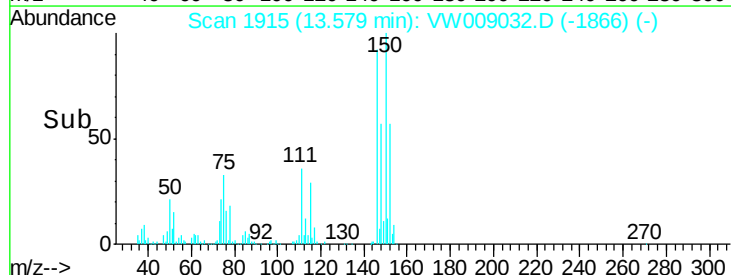
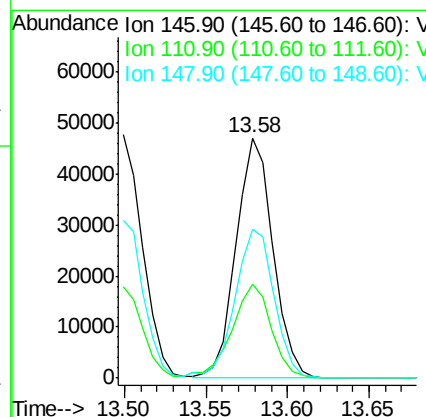
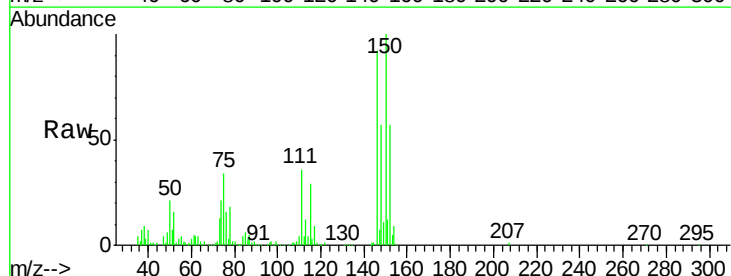
RT: 13.58 min Scan# 1915

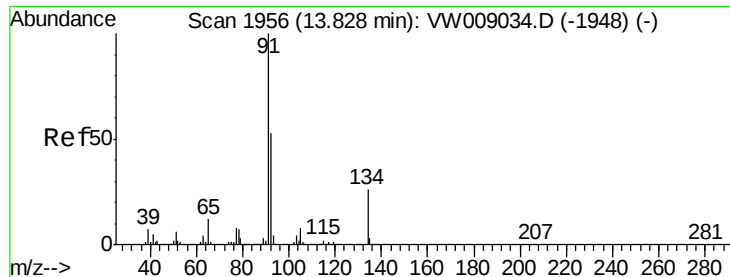
Delta R.T. 0.00 min

Lab File: VW009032.D

Acq: 07 Mar 2019 11:21

Tgt Ion:	146	Resp:	74175
Ion	Ratio	Lower	Upper
146	100		
111	41.7	19.7	59.0
148	65.6	32.2	96.6





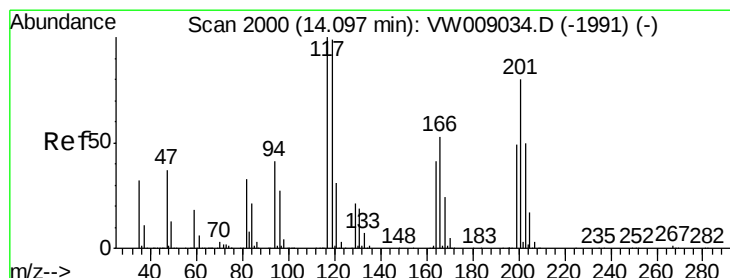
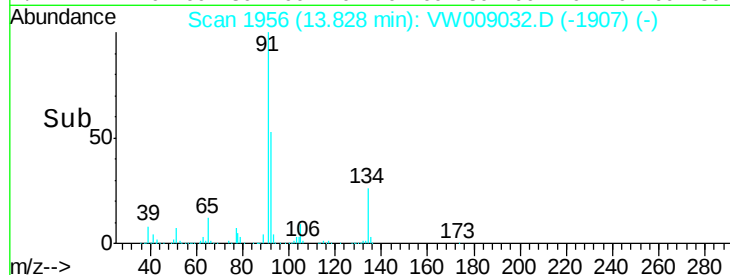
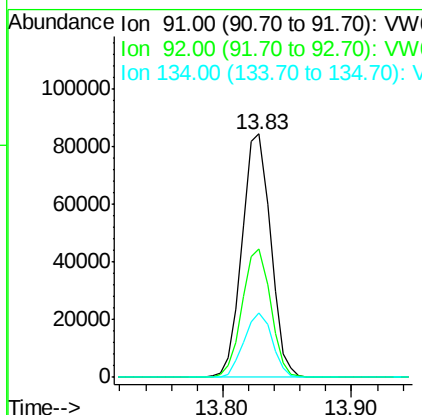
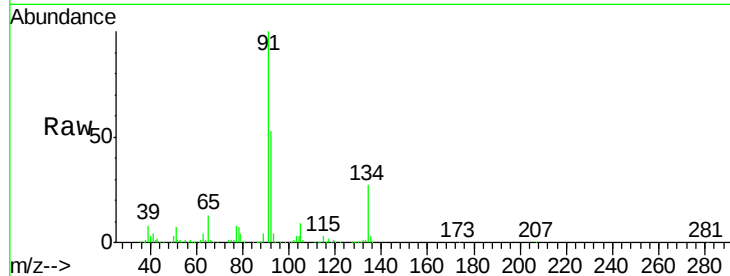
#89
n-Butylbenzene
Concen: 8.927 ug/l
RT: 13.83 min Scan# 1956
Delta R.T. 0.00 min
Lab File: VW009032.D
Acq: 07 Mar 2019 11:21

Instrument :
MSVOA_W
ClientSampled :
VSTDIC010

Tot Ion	Ratio	Lower	Upper
91	100		
92	52.5	26.8	80.3
134	26.2	12.9	38.7

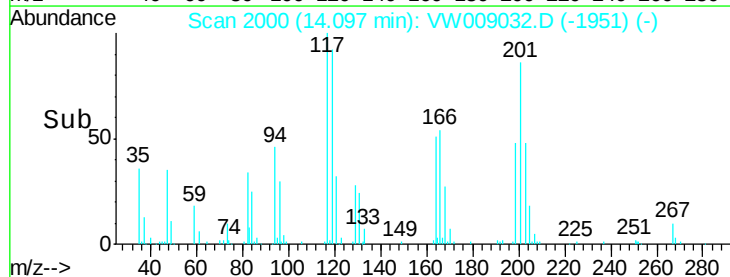
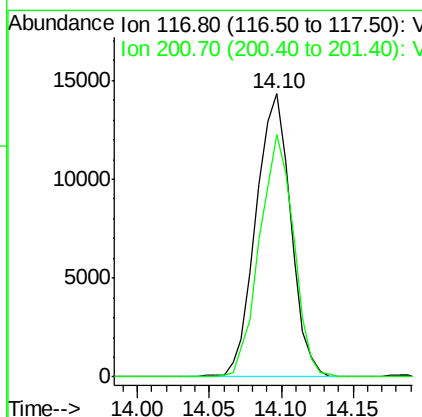
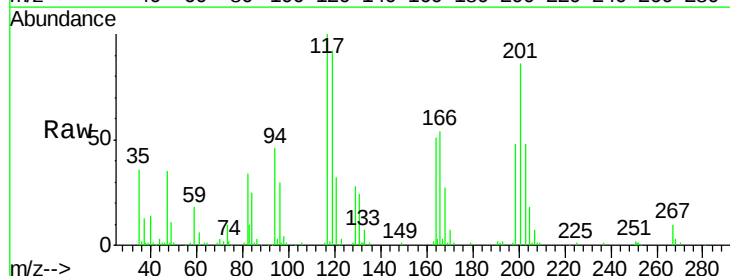
Manual Integrations
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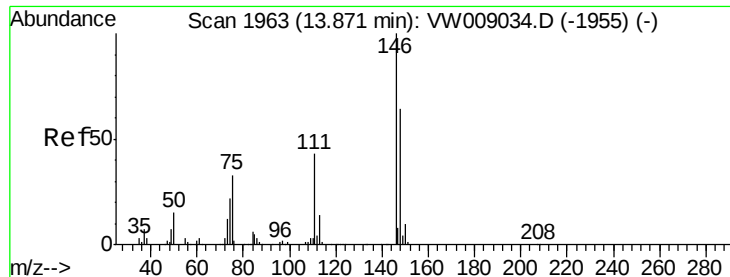
MMDadoda
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#90
Hexachloroethane
Concen: 9.115 ug/l
RT: 14.10 min Scan# 2000
Delta R.T. 0.00 min
Lab File: VW009032.D
Acq: 07 Mar 2019 11:21

Tgt Ion	Ratio	Lower	Upper
117	100		
201	83.8	39.1	117.5





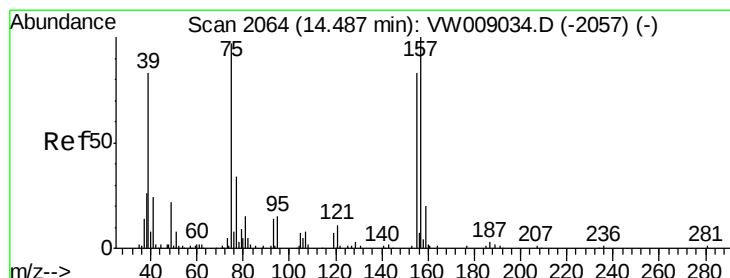
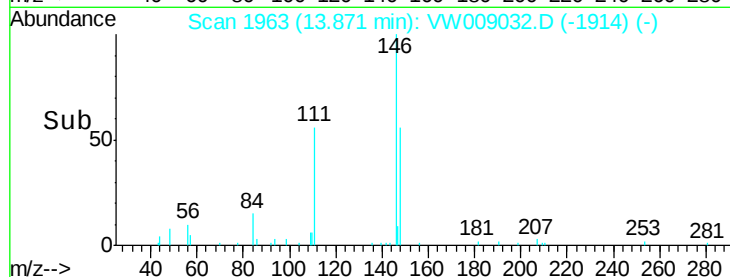
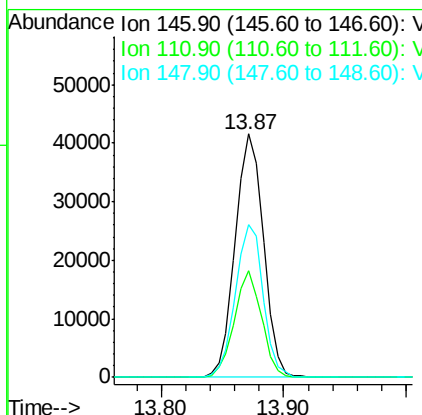
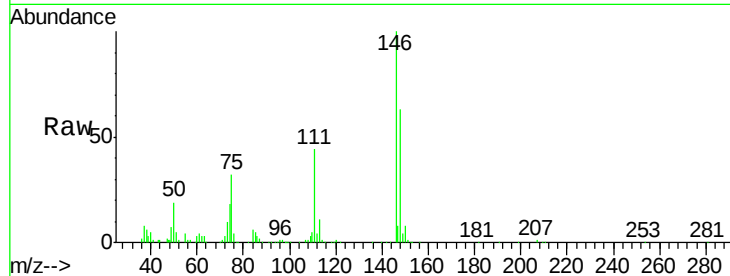
#91
 1,2-Dichlorobenzene
 Concen: 9.995 ug/l
 RT: 13.87 min Scan# 1963
 Delta R.T. 0.00 min
 Lab File: VW009032.D
 Acq: 07 Mar 2019 11:21

Instrument :
 MSVOA_W
 ClientSampled :
 VSTDIC010

Tot Ion	Ratio	Lower	Upper
146	100		
111	42.2	21.1	63.1
148	61.5	32.3	96.9

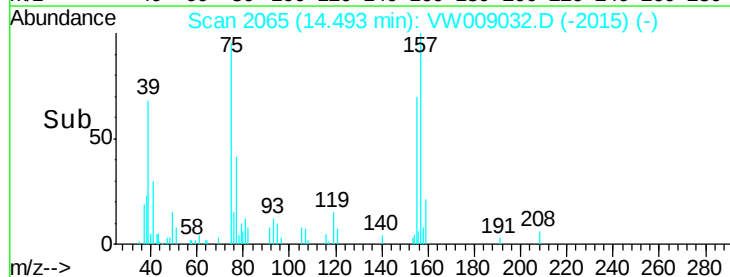
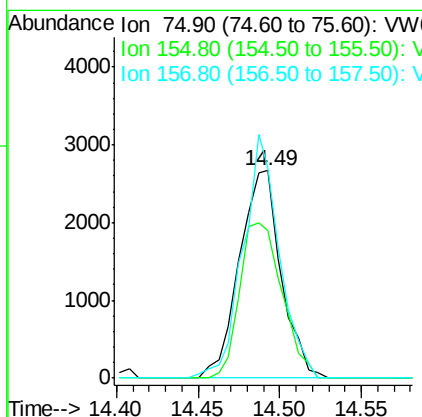
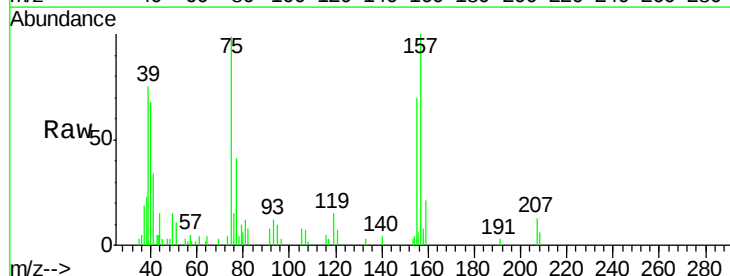
Manual Integrations
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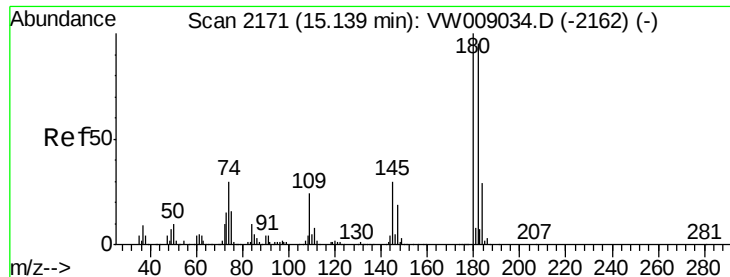
MMDadoda
 3/8/2019 12:07:05 PM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 10.165 ug/l
 RT: 14.49 min Scan# 2065
 Delta R.T. 0.01 min
 Lab File: VW009032.D
 Acq: 07 Mar 2019 11:21

Tgt Ion	Ratio	Lower	Upper
75	100		
155	75.7	40.8	122.4
157	101.9	52.4	157.3





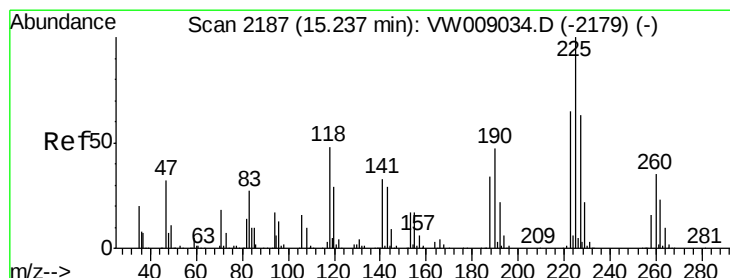
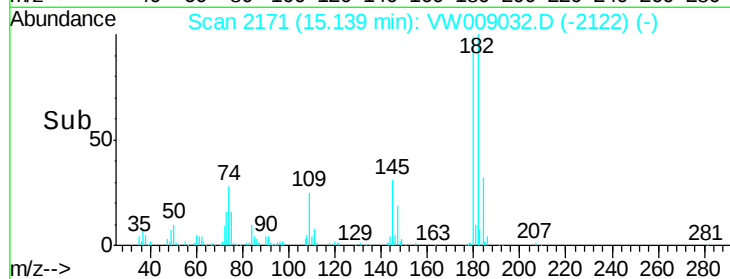
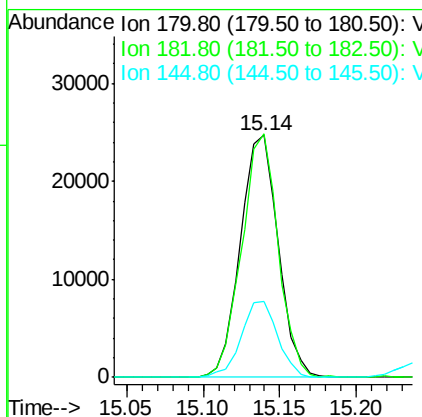
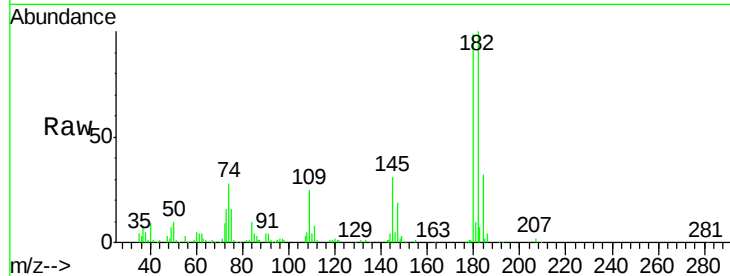
#93
 1,2,4-Trichlorobenzene
 Concen: 9.304 ug/l
 RT: 15.14 min Scan# 2171
 Delta R.T. 0.00 min
 Lab File: VW009032.D
 Acq: 07 Mar 2019 11:21

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC010

Tot Ion	Ratio	Resp	Lower	Upper
180	100	42376		
182	97.0	48.1	144.3	
145	30.3	15.4	46.1	

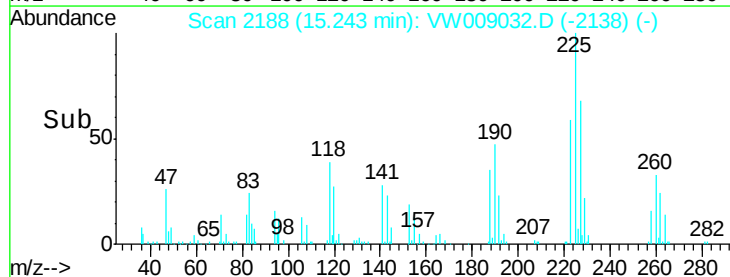
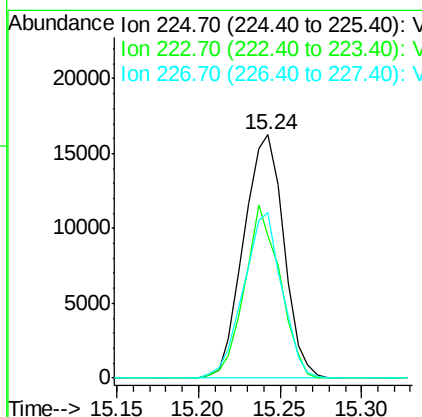
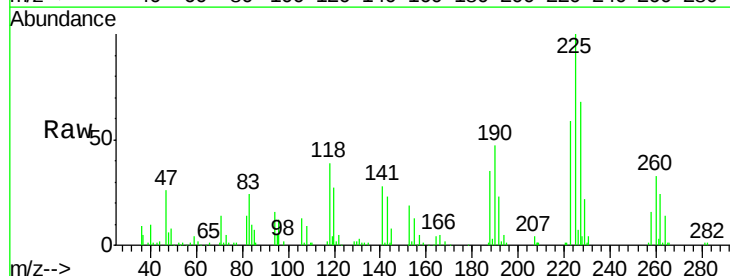
Manual Integrations
 APPROVED

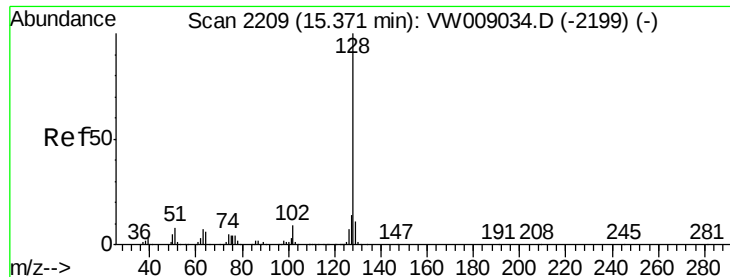
MMDadoda
 3/8/2019 12:07:05 PM



#94
 Hexachlorobutadiene
 Concen: 9.777 ug/l
 RT: 15.24 min Scan# 2188
 Delta R.T. 0.01 min
 Lab File: VW009032.D
 Acq: 07 Mar 2019 11:21

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	27834		
223	63.2	31.6	94.8	
227	65.3	32.0	96.2	





#95

Naphthalene

Concen: 8.787 ug/l

RT: 15.37 min Scan# 2209

Delta R.T. 0.00 min

Lab File: VW009032.D

Acq: 07 Mar 2019 11:21

Instrument :

MSVOA_W

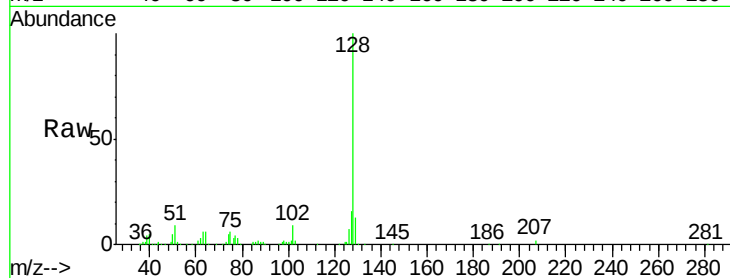
ClientSampleId :

VSTDIC010

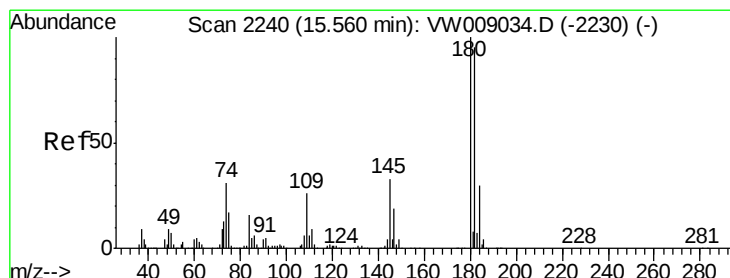
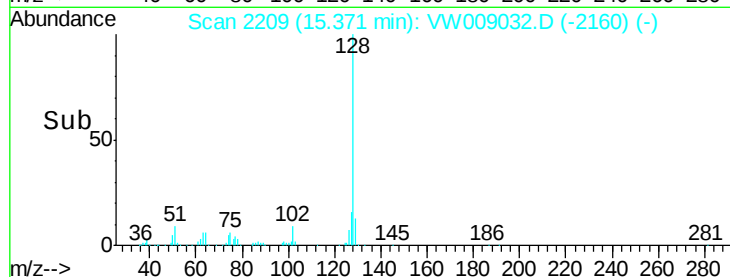
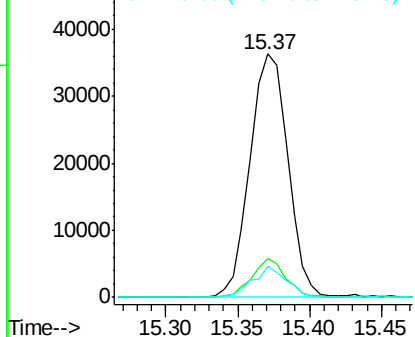
Tot Ion:	128	Resp:	66303
Ion Ratio	Lower	Upper	
128	100		
127	14.1	11.0	16.6
129	11.3	8.8	13.2

Manual Integrations
APPROVED

MMDadoda
3/8/2019 12:07:05 PM



Abundance Ion 128.00 (127.70 to 128.70): V
Ion 127.00 (126.70 to 127.70): V
Ion 129.00 (128.70 to 129.70): V



#96

1,2,3-Trichlorobenzene

Concen: 9.668 ug/l

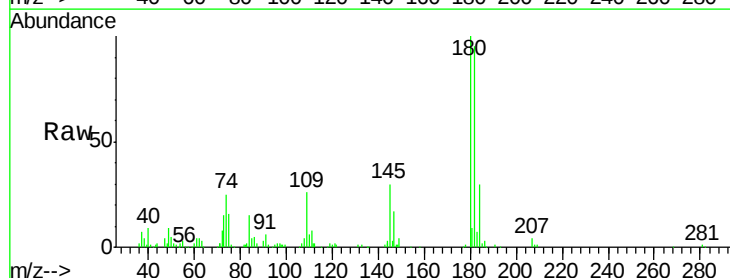
RT: 15.56 min Scan# 2240

Delta R.T. 0.00 min

Lab File: VW009032.D

Acq: 07 Mar 2019 11:21

Tgt Ion:	180	Resp:	38666
Ion Ratio	Lower	Upper	
180	100		
182	95.2	48.1	144.3
145	29.8	15.8	47.3



Abundance Ion 179.80 (179.50 to 180.50): V
Ion 181.80 (181.50 to 182.50): V
Ion 144.90 (144.60 to 145.60): V

