

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW033119\
 Data File : VW009609.D
 Acq On : 31 Mar 2019 14:31
 Operator : SY/VA
 Sample : VW0331SBS01
 Misc : 5.00G/5.0ML/MSVOA W/SOIL
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0331SBS01

Manual Integrations
 APPROVED

MMDadoda
 4/1/2019 5:30:25 PM

Quant Time: Apr 01 05:18:22 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W032919S.M
 Quant Title : SW846 8260
 QLast Update : Fri Mar 29 13:24:53 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	296540	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	461148	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	424441	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	236030	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.30	65	180617	53.26	ug/l	0.00
Spiked Amount	50.000		Recovery	=	106.52%	
35) Dibromofluoromethane	7.88	113	151138	52.18	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.36%	
50) Toluene-d8	10.32	98	551283	51.50	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.00%	
62) 4-Bromofluorobenzene	12.62	95	209169	52.37	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.74%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.00	85	35359	17.910	ug/l	92
3) Chloromethane	2.21	50	45789	18.330	ug/l	98
4) Vinyl Chloride	2.36	62	65846	19.736	ug/l	92
5) Bromomethane	2.77	94	47259	18.360	ug/l	94
6) Chloroethane	2.92	64	44678	18.082	ug/l	92
7) Trichlorofluoromethane	3.24	101	38159	16.739	ug/l	98
8) Diethyl Ether	3.67	74	29963	19.575	ug/l	97
9) 1,1,2-Trichlorotrifluoroet	4.06	101	60670	19.836	ug/l	96
10) Methyl Iodide	4.27	142	76517	18.335	ug/l	96
11) Tert butyl alcohol	5.18	59	19629	99.835	ug/l	99
12) 1,1-Dichloroethene	4.03	96	55186	19.281	ug/l	99
13) Acrolein	3.89	56	14395	99.821	ug/l	96
14) Allyl chloride	4.65	41	73392	16.031	ug/l	95
15) Acrylonitrile	5.36	53	66362	94.849	ug/l	99
16) Acetone	4.12	43	72832	95.527	ug/l	97
17) Carbon Disulfide	4.37	76	149243	18.325	ug/l	99
18) Methyl Acetate	4.67	43	33439	18.144	ug/l	97
19) Methyl tert-butyl Ether	5.42	73	73734	18.522	ug/l	97
20) Methylene Chloride	4.90	84	61203	17.978	ug/l	92
21) trans-1,2-Dichloroethene	5.41	96	58554	19.268	ug/l	88
22) Diisopropyl ether	6.31	45	191942	19.414	ug/l	98
23) Vinyl Acetate	6.25	43	621573	100.777	ug/l	99
24) 1,1-Dichloroethane	6.20	63	115550	19.418	ug/l	96
25) 2-Butanone	7.16	43	107862	102.377	ug/l	92
26) 2,2-Dichloropropane	7.16	77	61275	18.010	ug/l	99
27) cis-1,2-Dichloroethene	7.16	96	66193	19.945	ug/l	99
28) Bromochloromethane	7.50	49	56691	21.985	ug/l #	94
29) Tetrahydrofuran	7.52	42	67284	102.848	ug/l	98
30) Chloroform	7.67	83	121092	19.647	ug/l	99
31) Cyclohexane	7.95	56	103824	18.610	ug/l #	94
32) 1,1,1-Trichloroethane	7.86	97	91575	18.354	ug/l	98
36) 1,1-Dichloropropene	8.08	75	94248	19.759	ug/l	99
37) Ethyl Acetate	7.25	43	47938	21.154	ug/l	99
38) Carbon Tetrachloride	8.06	117	92919	19.012	ug/l	100

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.33	83	102058	18.731	ug/l	96
40) Benzene	8.32	78	257619	19.940	ug/l	100
41) Methacrylonitrile	7.48	41	27812	21.289	ug/l	91
42) 1,2-Dichloroethane	8.40	62	88849	20.172	ug/l	100
43) Isopropyl Acetate	8.43	43	88395	19.904	ug/l	100
44) Trichloroethene	9.09	130	64551	19.299	ug/l	96
45) 1,2-Dichloropropane	9.37	63	66221	20.025	ug/l	93
46) Dibromomethane	9.46	93	35752	19.957	ug/l	97
47) Bromodichloromethane	9.64	83	89974	19.689	ug/l	98
48) Methyl methacrylate	9.43	41	40926	19.659	ug/l	100
49) 1,4-Dioxane	9.44	88	11810	442.685	ug/l	96
51) 4-Methyl-2-Pentanone	10.21	43	241465	101.621	ug/l	99
52) Toluene	10.38	92	160749	19.868	ug/l	97
53) t-1,3-Dichloropropene	10.60	75	86264	19.279	ug/l	97
54) cis-1,3-Dichloropropene	10.07	75	95783	19.307	ug/l	96
55) 1,1,2-Trichloroethane	10.79	97	48316	19.953	ug/l	92
56) Ethyl methacrylate	10.65	69	57385	19.608	ug/l	96
57) 1,3-Dichloropropane	10.93	76	85455	19.909	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.93	63	154507	106.121	ug/l	98
59) 2-Hexanone	10.97	43	168350	102.374	ug/l	99
60) Dibromochloromethane	11.13	129	57166	19.552	ug/l	98
61) 1,2-Dibromoethane	11.23	107	47312	20.375	ug/l	99
64) Tetrachloroethene	10.86	164	56579	19.633	ug/l	97
65) Chlorobenzene	11.66	112	172880	19.339	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.73	131	63360	19.453	ug/l	97
67) Ethyl Benzene	11.73	91	305034	19.368	ug/l	99
68) m/p-Xylenes	11.84	106	235517	39.383	ug/l	98
69) o-Xylene	12.16	106	108596	19.500	ug/l	100
70) Styrene	12.18	104	181808	19.545	ug/l	99
71) Bromoform	12.35	173	33931	19.358	ug/l #	97
73) Isopropylbenzene	12.46	105	308068	18.755	ug/l	99
74) N-amyl acetate	12.27	43	86351	19.941	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.71	83	61586	19.826	ug/l	99
76) 1,2,3-Trichloropropane	12.77	75	52496m	23.651	ug/l	
77) Bromobenzene	12.74	156	72400	19.140	ug/l	98
78) n-propylbenzene	12.80	91	390789	19.294	ug/l	99
79) 2-Chlorotoluene	12.89	91	218498	18.982	ug/l	98
80) 1,3,5-Trimethylbenzene	12.94	105	268796	19.431	ug/l	97
81) trans-1,4-Dichloro-2-buten	12.51	75	18833	19.731	ug/l	94
82) 4-Chlorotoluene	12.99	91	231537	19.113	ug/l	99
83) tert-Butylbenzene	13.21	119	221425	18.804	ug/l	97
84) 1,2,4-Trimethylbenzene	13.25	105	273156	19.208	ug/l	99
85) sec-Butylbenzene	13.38	105	340306	19.156	ug/l	98
86) p-Isopropyltoluene	13.50	119	293547	18.997	ug/l	100
87) 1,3-Dichlorobenzene	13.50	146	150060	19.213	ug/l	97
88) 1,4-Dichlorobenzene	13.58	146	148518	19.038	ug/l	97
89) n-Butylbenzene	13.83	91	290198	19.027	ug/l	98
90) Hexachloroethane	14.09	117	57721	19.507	ug/l	98
91) 1,2-Dichlorobenzene	13.87	146	135359	19.381	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.49	75	11415	20.129	ug/l	98

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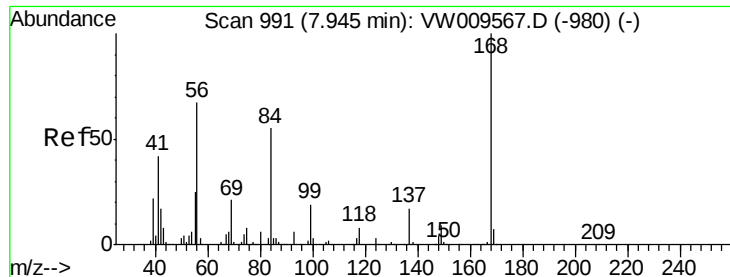
Manual Integrations
APPROVED

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.13	180	89033	19.795	ug/l	97
94) Hexachlorobutadiene	15.24	225	55259	19.131	ug/l	98
95) Naphthalene	15.37	128	158286	19.095	ug/l	99
96) 1,2,3-Trichlorobenzene	15.56	180	79969	19.901	ug/l	97

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.00 min

Lab File: VW009609.D

Acq: 31 Mar 2019 14:31

Instrument :

MSVOA_W

ClientSampleId :

VW0331SBSD01

Tot Ion:168 Resp: 296540

Ion Ratio Lower Upper

168 100

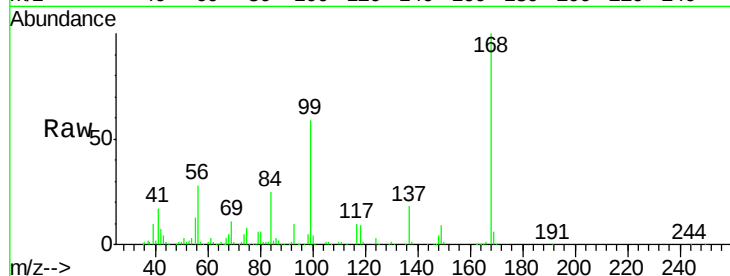
99 59.4 45.4 68.0

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

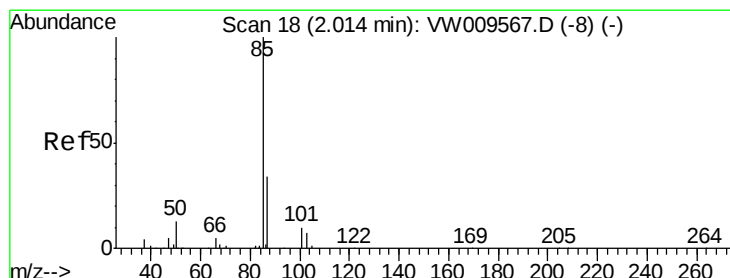
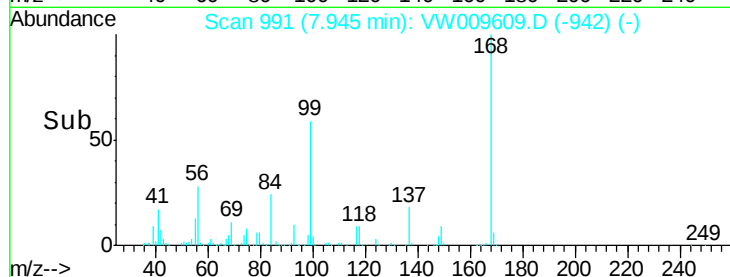
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50000

0

7.90 8.00

Time-->



#2

Dichlorodifluoromethane

Concen: 17.910 ug/l

RT: 2.00 min Scan# 16

Delta R.T. -0.01 min

Lab File: VW009609.D

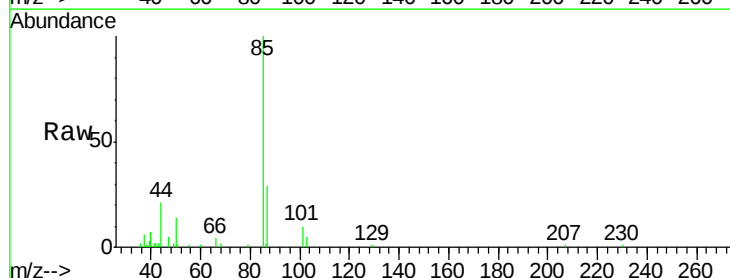
Acq: 31 Mar 2019 14:31

Tgt Ion: 85 Resp: 35359

Ion Ratio Lower Upper

85 100

87 29.1 16.7 50.1



Abundance Ion 84.90 (84.60 to 85.60): VW

Ion 86.90 (86.60 to 87.60): VW

2.00

12000

10000

8000

6000

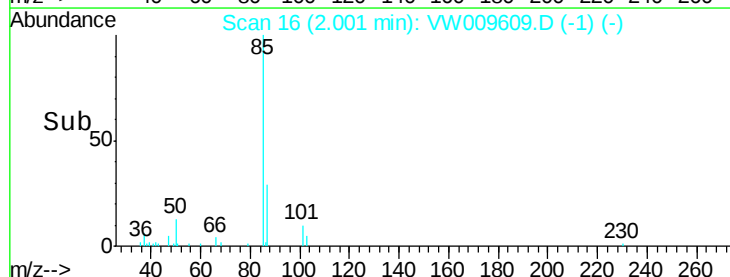
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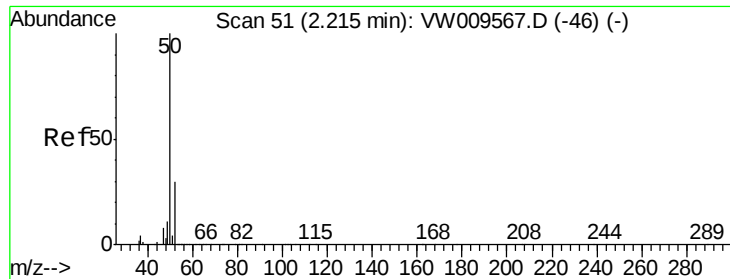
2000

0

1.90 2.00 2.10

Time-->





#3

Chloromethane

Concen: 18.330 ug/l

RT: 2.21 min Scan# 50

Delta R.T. -0.01 min

Lab File: VW009609.D

Acq: 31 Mar 2019 14:31

Instrument :

MSVOA_W

ClientSampleId :

VW0331SBSD01

Tot Ion: 50 Resp: 45789

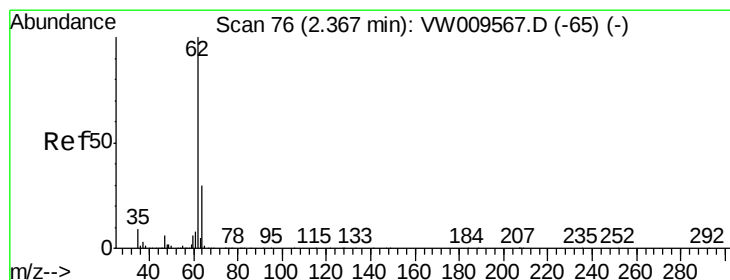
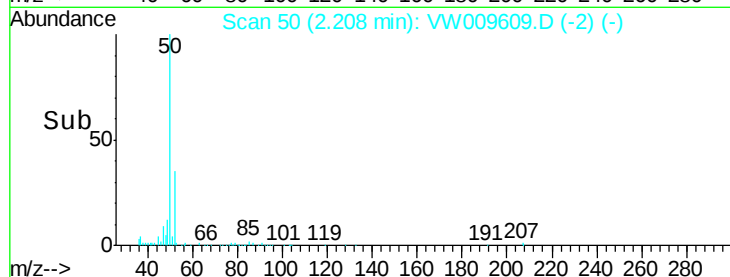
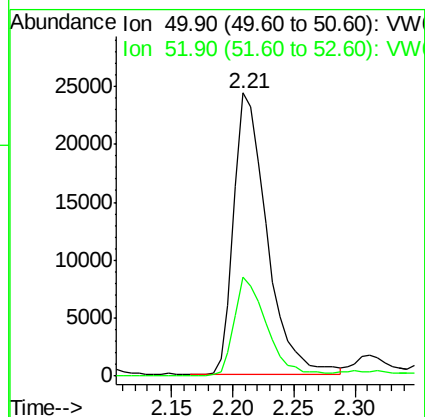
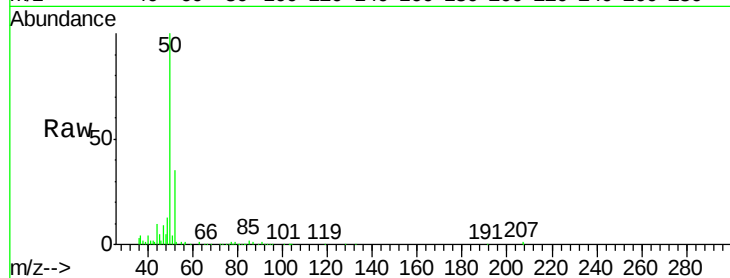
Ion Ratio Lower Upper

50 100

52 35.1 27.2 40.8

Manual Integrations
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#4

Vinyl Chloride

Concen: 19.736 ug/l

RT: 2.36 min Scan# 75

Delta R.T. -0.01 min

Lab File: VW009609.D

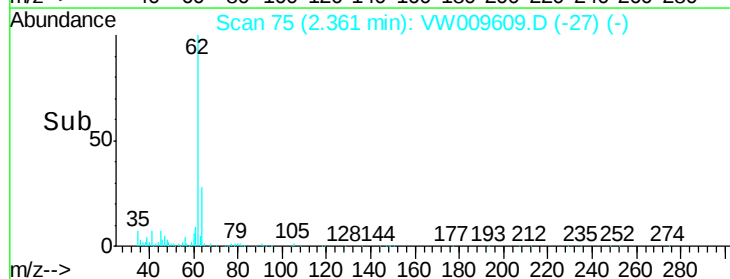
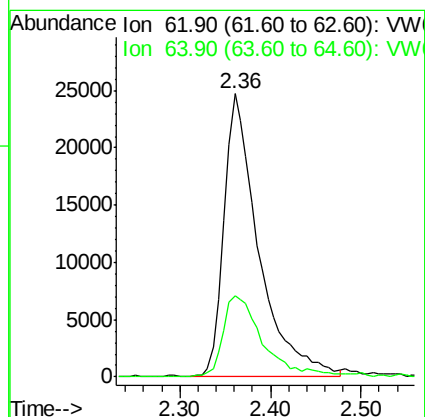
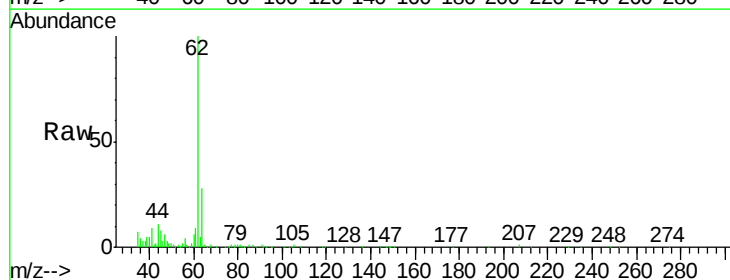
Acq: 31 Mar 2019 14:31

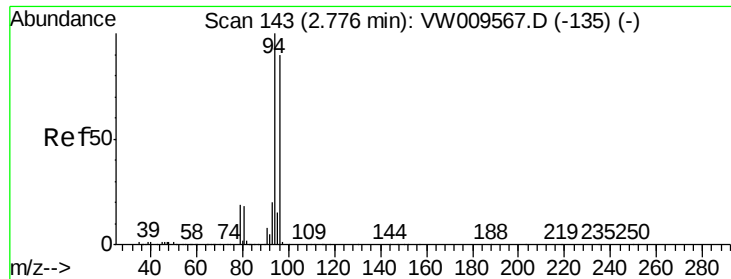
Tgt Ion: 62 Resp: 65846

Ion Ratio Lower Upper

62 100

64 28.2 26.2 39.2





#5

Bromomethane

Concen: 18.360 ug/l

RT: 2.77 min Scan# 142

Delta R.T. -0.01 min

Lab File: VW009609.D

Acq: 31 Mar 2019 14:31

Instrument :

MSVOA_W

ClientSampleId :

VW0331SBS01

Tot Ion: 94 Resp: 47259

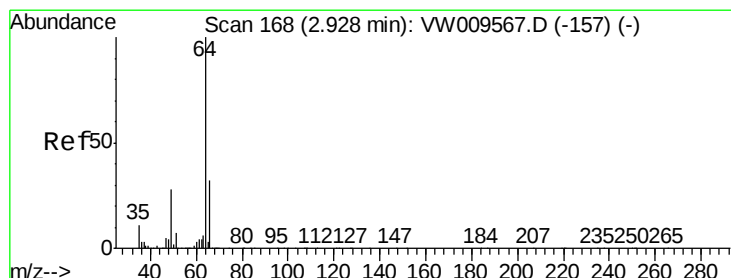
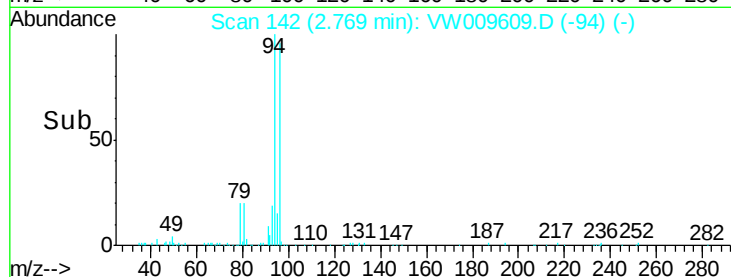
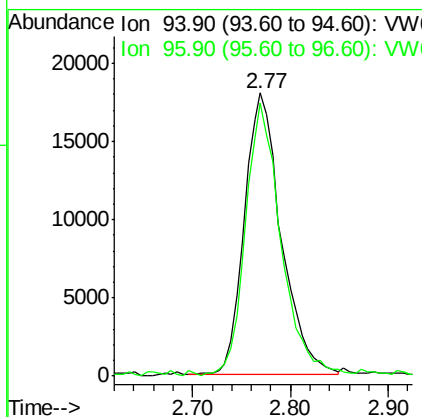
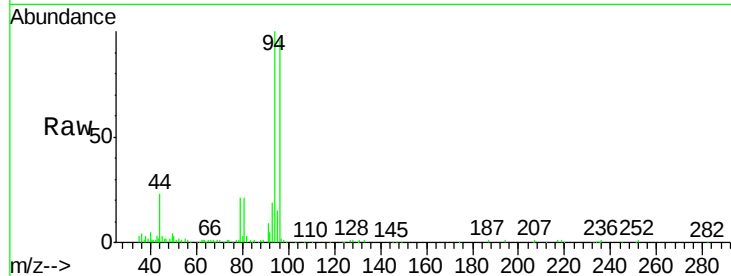
Ion Ratio Lower Upper

94 100

96 94.9 71.4 107.2

Manual Integrations
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#6

Chloroethane

Concen: 18.082 ug/l

RT: 2.92 min Scan# 166

Delta R.T. -0.01 min

Lab File: VW009609.D

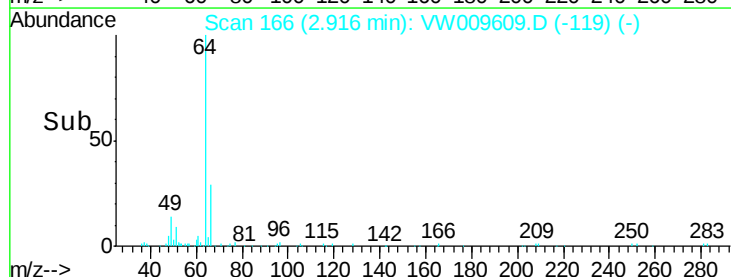
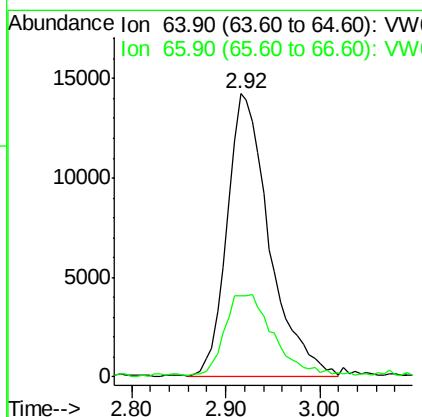
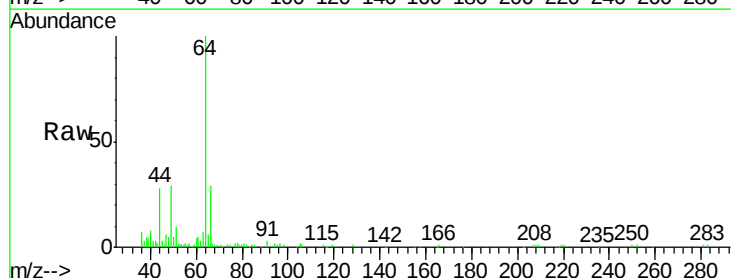
Acq: 31 Mar 2019 14:31

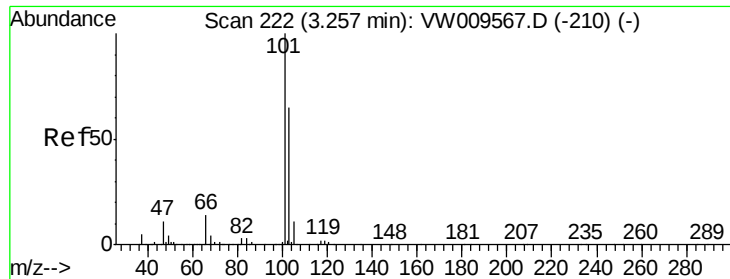
Tgt Ion: 64 Resp: 44678

Ion Ratio Lower Upper

64 100

66 28.0 26.2 39.2





#7

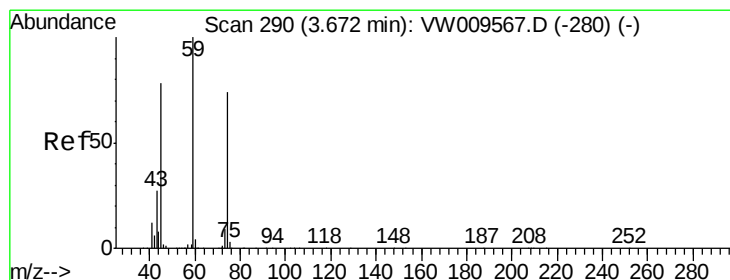
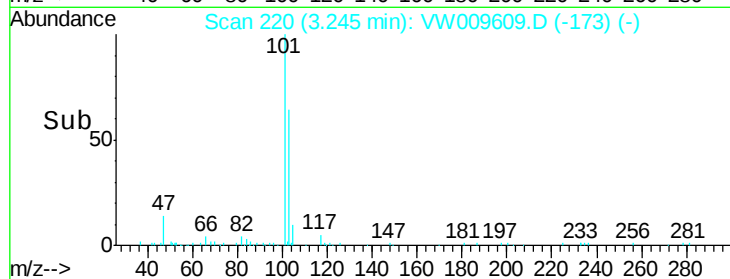
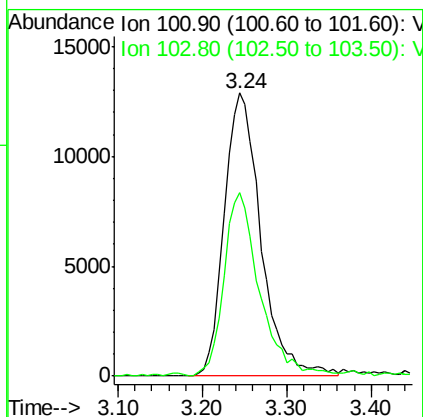
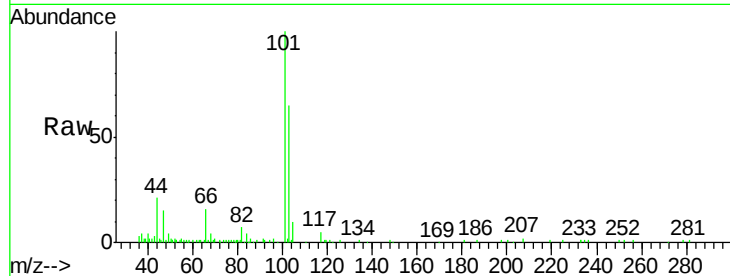
Trichlorofluoromethane
Concen: 16.739 ug/l
RT: 3.24 min Scan# 220
Delta R.T. -0.01 min
Lab File: VW009609.D
Acq: 31 Mar 2019 14:31

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ClientSampleId :
VW0331SBS01

Tot Ion	Ratio	Lower	Upper
101	100		
103	64.8	50.5	75.7

Manual Integrations
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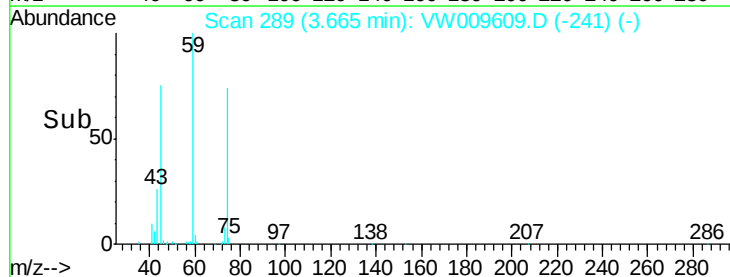
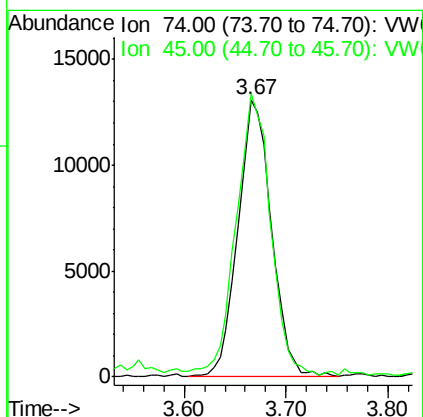
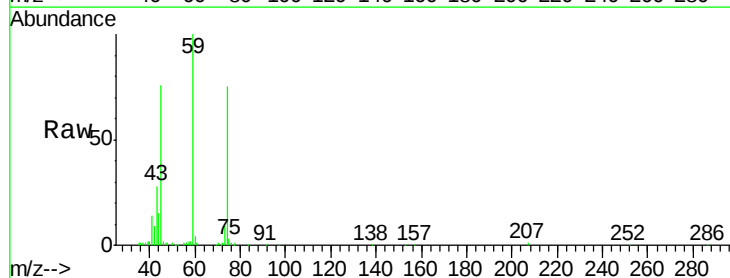
MMDadoda
4/1/2019 5:30:25 PM

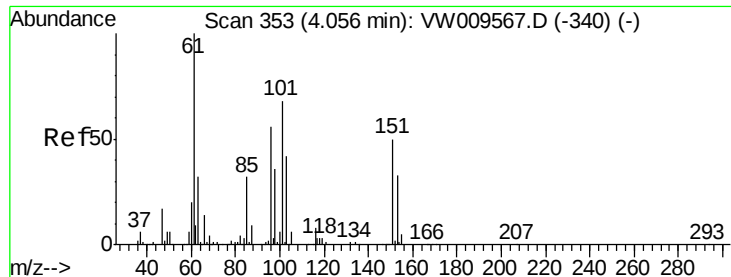


#8

Diethyl Ether
Concen: 19.575 ug/l
RT: 3.67 min Scan# 289
Delta R.T. -0.01 min
Lab File: VW009609.D
Acq: 31 Mar 2019 14:31

Tgt Ion	Ratio	Lower	Upper
74	100		
45	104.3	50.6	151.9





#9

1,1,2-Trichlorotrifluoroethane

Concen: 19.836 ug/l

RT: 4.06 min Scan# 353

Delta R.T. -0.00 min

Lab File: VW009609.D

Acq: 31 Mar 2019 14:31

Instrument :

MSVOA_W

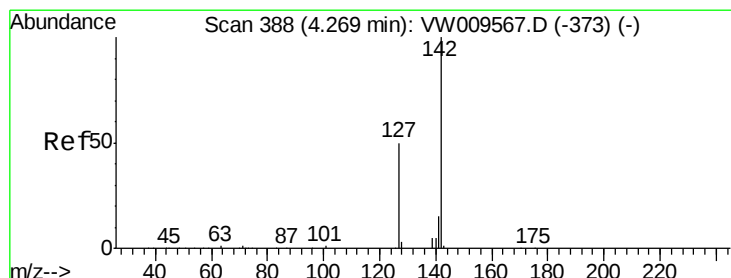
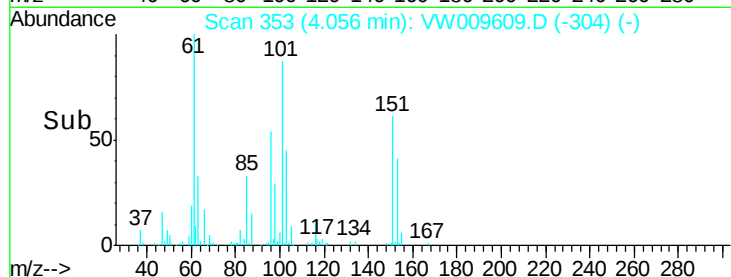
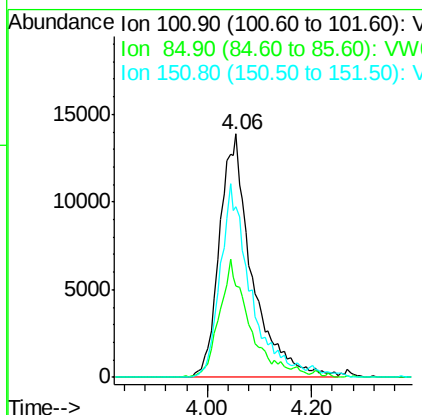
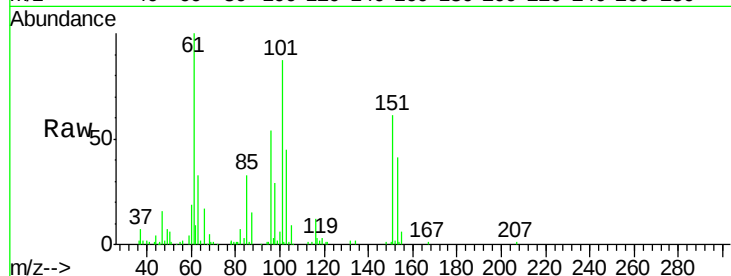
ClientSampleId :

VW0331SBS01

Tot Ion:	101	Resp:	60670
Ion Ratio	Lower	Upper	
101	100		
85	44.1	35.1	52.7
151	74.0	62.9	94.3

Manual Integrations
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4/1/2019 5:30:25 PM



#10

Methyl Iodide

Concen: 18.335 ug/l

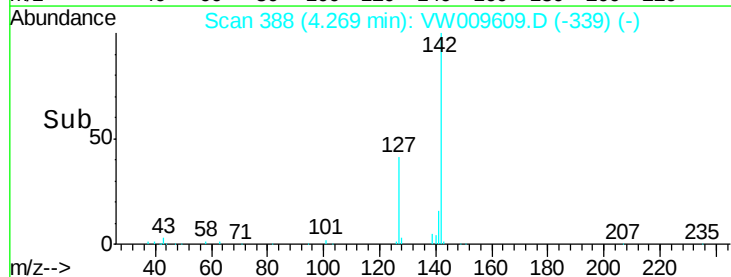
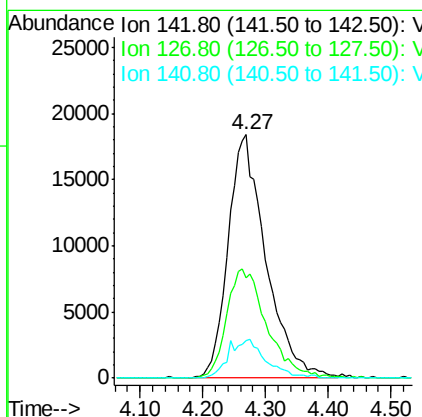
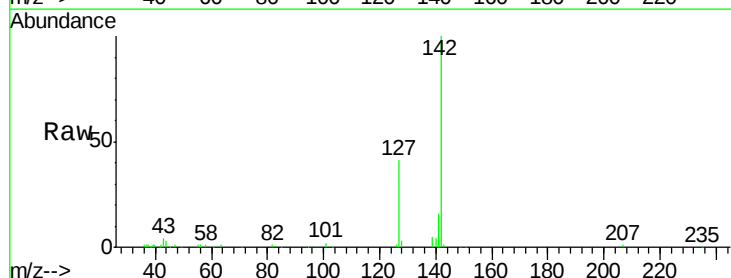
RT: 4.27 min Scan# 388

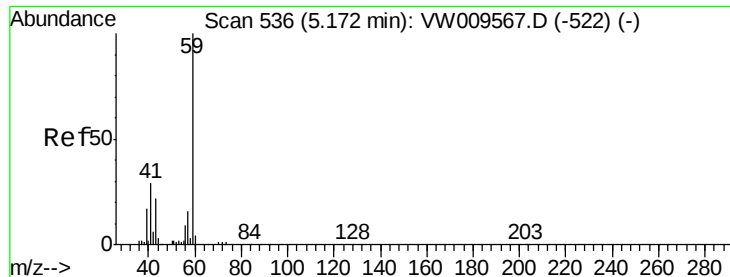
Delta R.T. -0.00 min

Lab File: VW009609.D

Acq: 31 Mar 2019 14:31

Tgt Ion:	142	Resp:	76517
Ion Ratio	Lower	Upper	
142	100		
127	47.7	35.9	53.9
141	15.9	11.4	17.2





#11

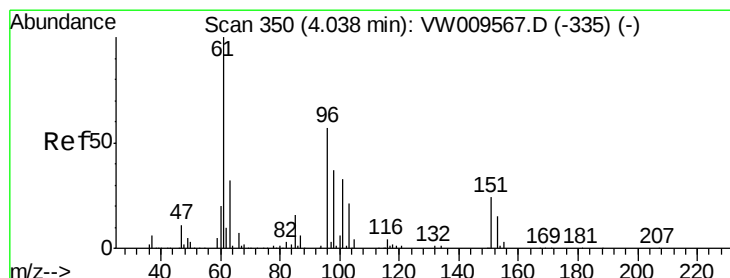
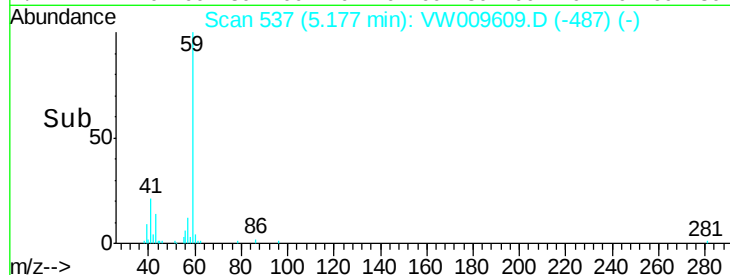
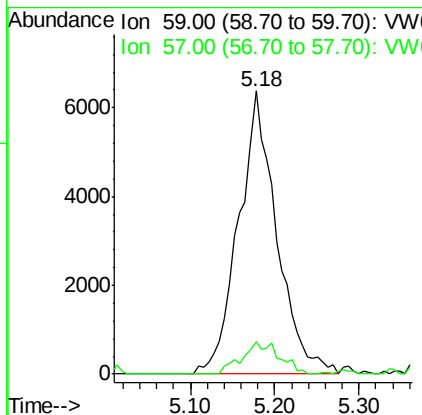
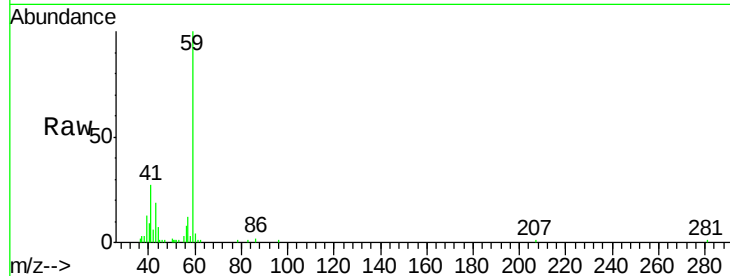
Tert butyl alcohol
 Concen: 99.835 ug/l
 RT: 5.18 min Scan# 537
 Delta R.T. 0.01 min
 Lab File: VW009609.D
 Acq: 31 Mar 2019 14:31

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0331SBS01

Tot Ion	59	Resp	19629
Ion Ratio	100	Lower	Upper
57	11.2	9.4	14.0

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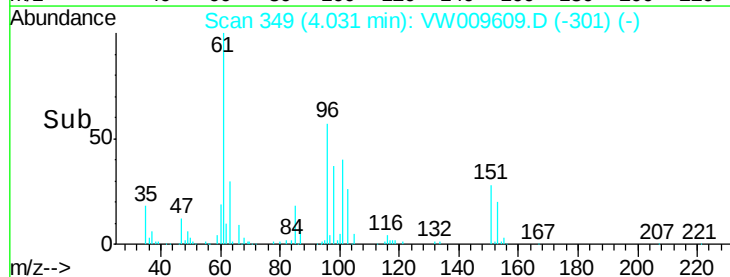
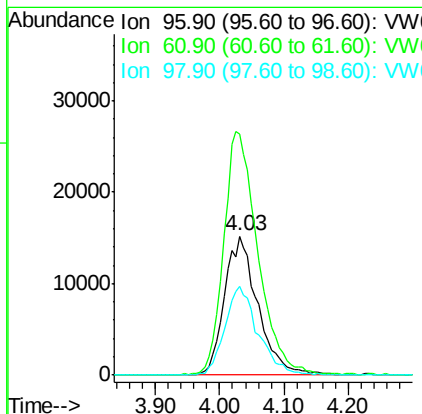
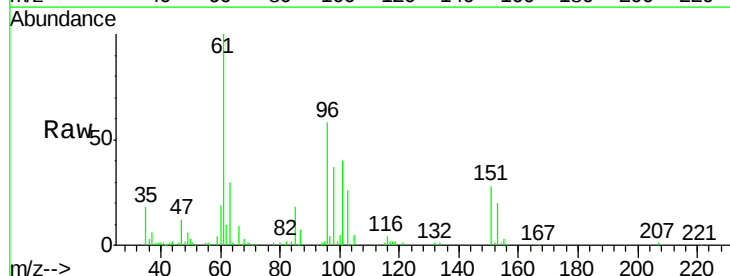
MMDadoda
 4/1/2019 5:30:25 PM

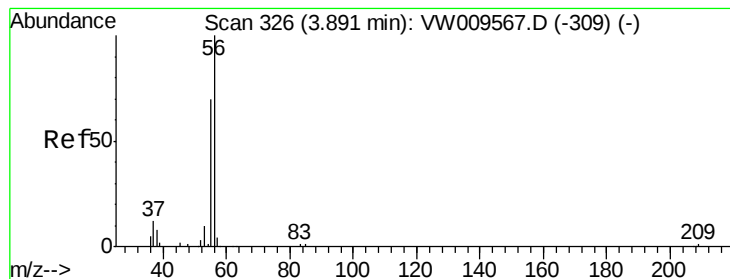


#12

1,1-Dichloroethene
 Concen: 19.281 ug/l
 RT: 4.03 min Scan# 349
 Delta R.T. -0.01 min
 Lab File: VW009609.D
 Acq: 31 Mar 2019 14:31

Tgt Ion	96	Resp	55186
Ion Ratio	100	Lower	Upper
61	173.5	138.0	207.0
98	64.0	49.8	74.8





#13

Acrolein

Concen: 99.821 ug/l

RT: 3.89 min Scan# 326

Delta R.T. -0.00 min

Lab File: VW009609.D

Acq: 31 Mar 2019 14:31

Instrument :

MSVOA_W

ClientSampleId :

VW0331SBS01

Tot Ion: 56 Resp: 14395

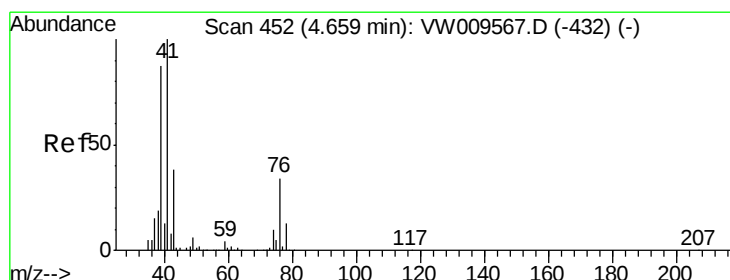
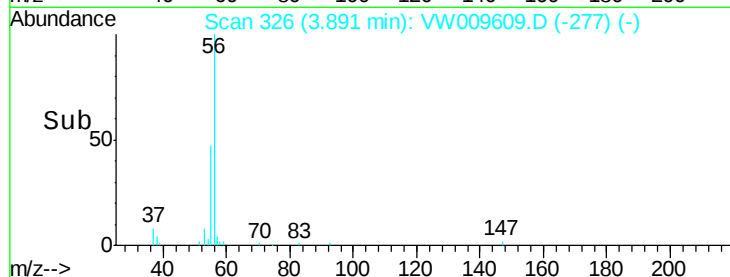
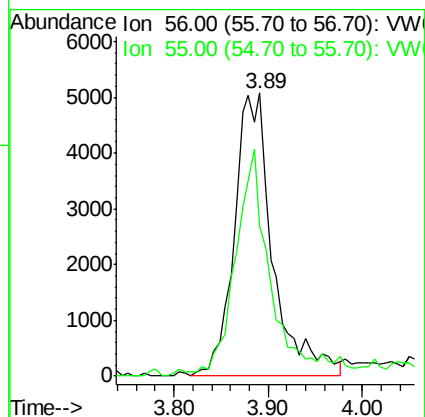
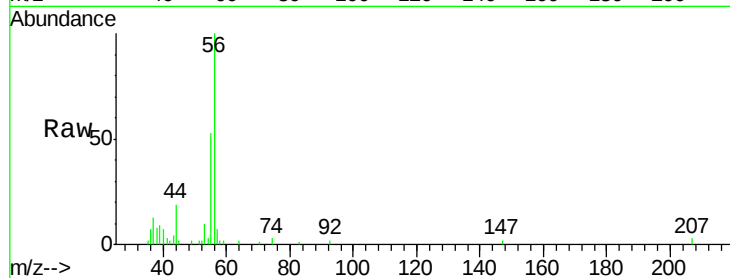
Ion Ratio Lower Upper

56 100

55 65.5 55.2 82.8

Manual Integrations
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#14

Allyl chloride

Concen: 16.031 ug/l

RT: 4.65 min Scan# 451

Delta R.T. -0.01 min

Lab File: VW009609.D

Acq: 31 Mar 2019 14:31

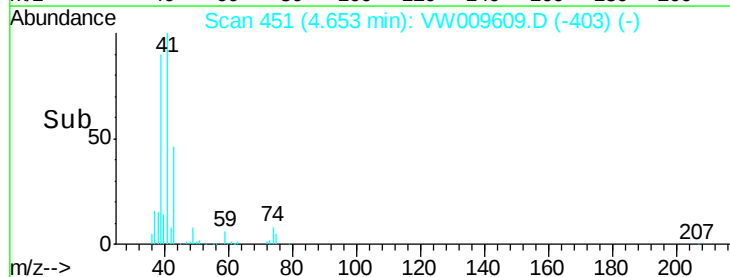
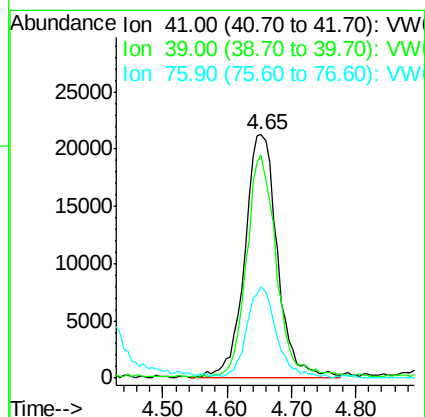
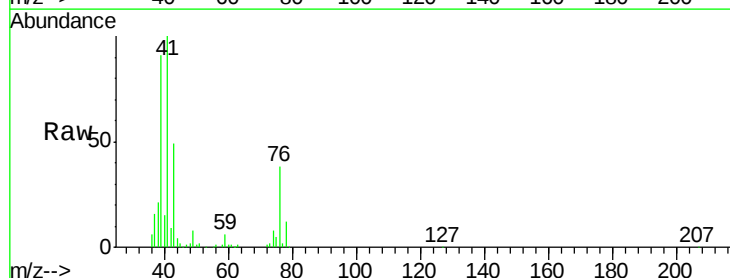
Tgt Ion: 41 Resp: 73392

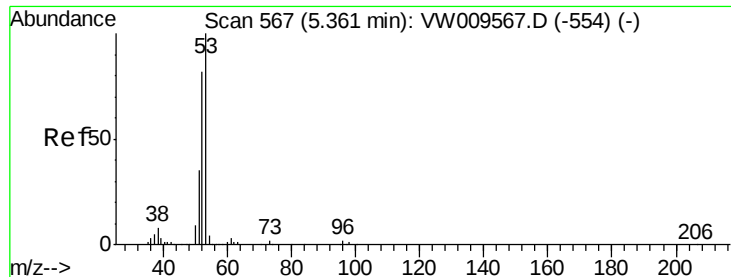
Ion Ratio Lower Upper

41 100

39 84.5 63.8 95.6

76 33.3 27.8 41.6





#15

Acrylonitrile

Concen: 94.849 ug/l

RT: 5.36 min Scan# 567

Delta R.T. -0.00 min

Lab File: VW009609.D

Acq: 31 Mar 2019 14:31

Instrument :

MSVOA_W

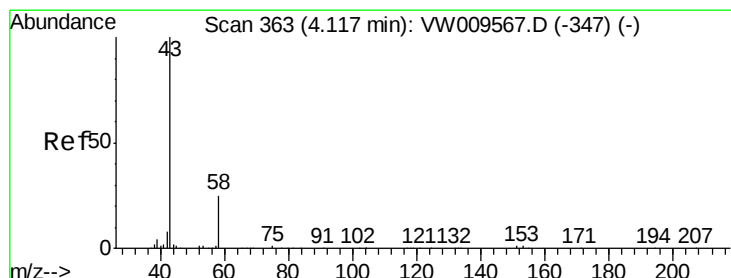
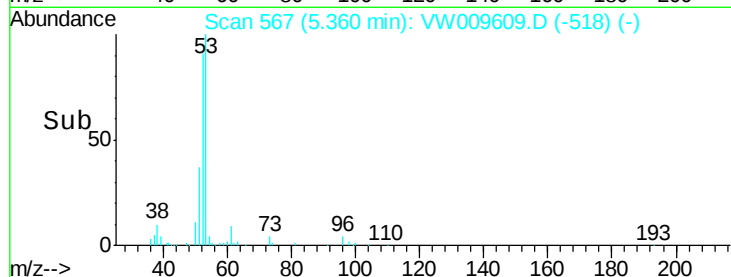
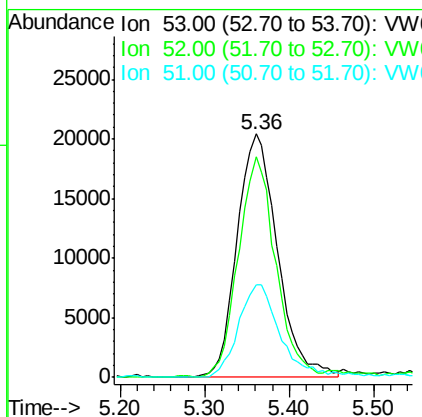
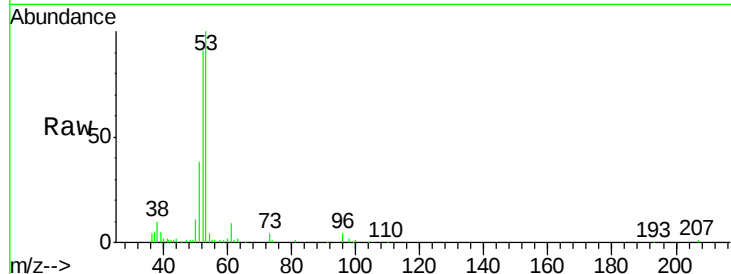
ClientSampleId :

VW0331SBS01

Tot Ion:	53	Resp:	66362
Ion	Ratio	Lower	Upper
53	100		
52	83.6	67.6	101.4
51	39.6	30.6	45.8

Manual Integrations
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#16

Acetone

Concen: 95.527 ug/l

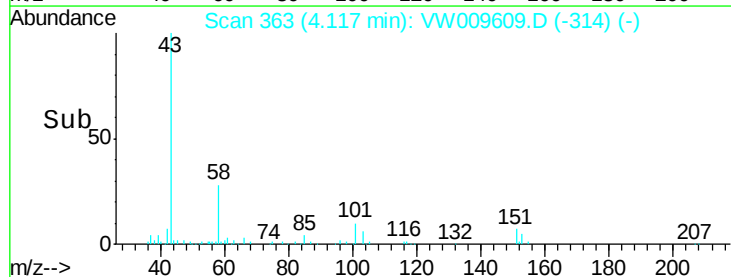
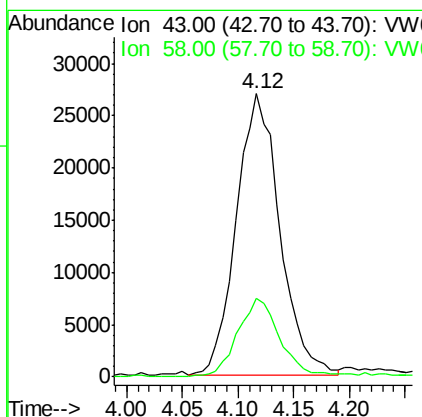
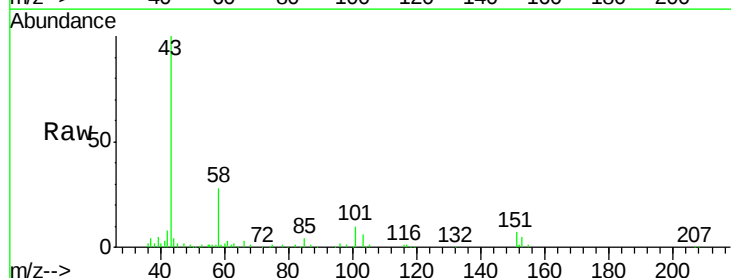
RT: 4.12 min Scan# 363

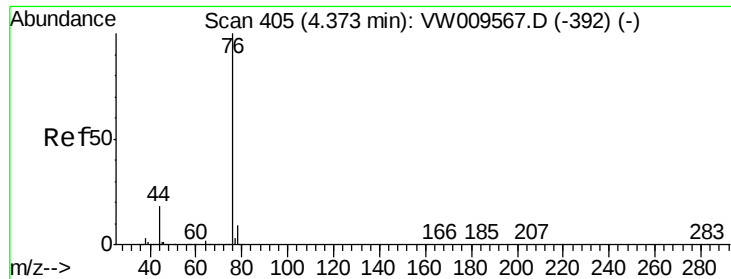
Delta R.T. -0.00 min

Lab File: VW009609.D

Acq: 31 Mar 2019 14:31

Tgt Ion:	43	Resp:	72832
Ion	Ratio	Lower	Upper
43	100		
58	28.1	23.6	35.4





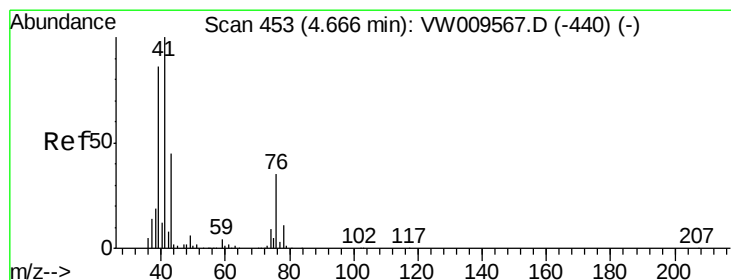
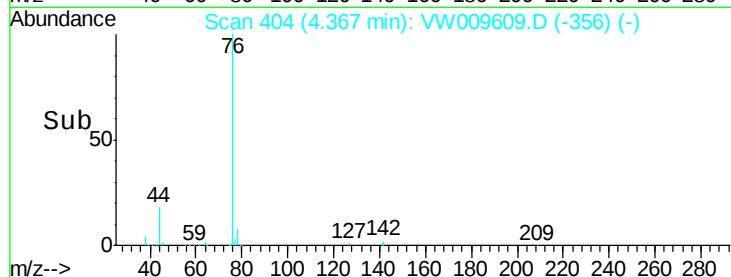
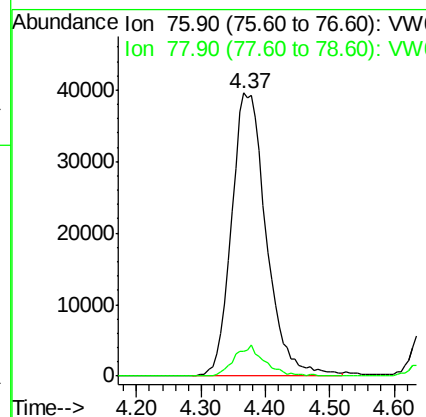
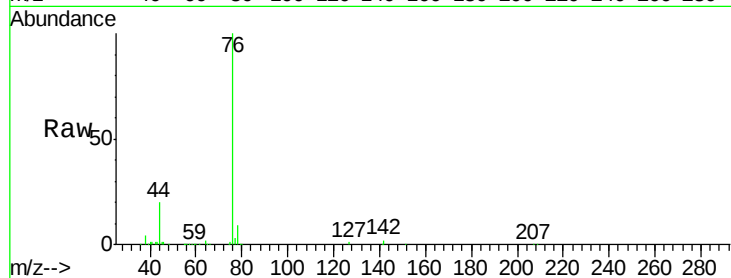
#17
Carbon Disulfide
Concen: 18.325 ug/l
RT: 4.37 min Scan# 404
Delta R.T. -0.01 min
Lab File: VW009609.D
Acq: 31 Mar 2019 14:31

Instrument :
MSVOA_W
ClientSampleId :
VW0331SBSD01

Tot Ion	Ratio	Lower	Upper
76	100		
78	8.6	6.6	9.8

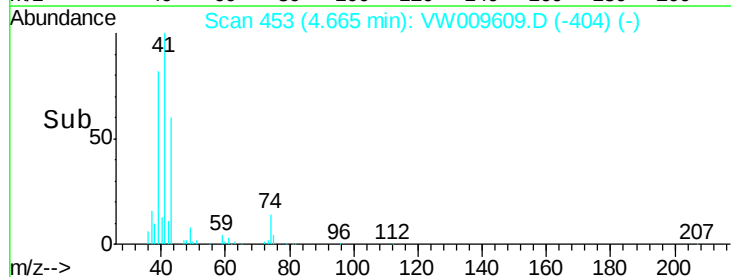
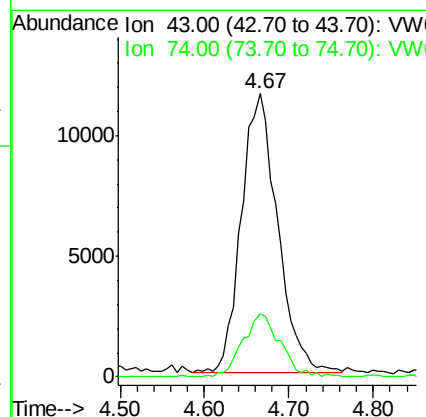
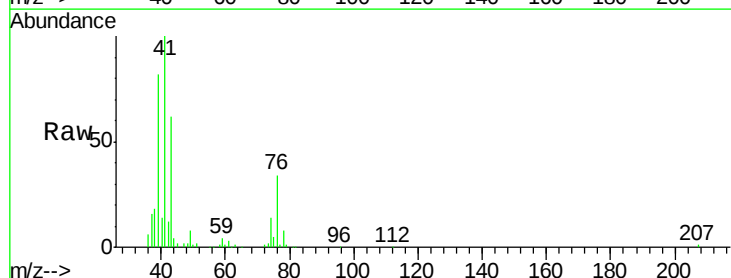
Manual Integrations
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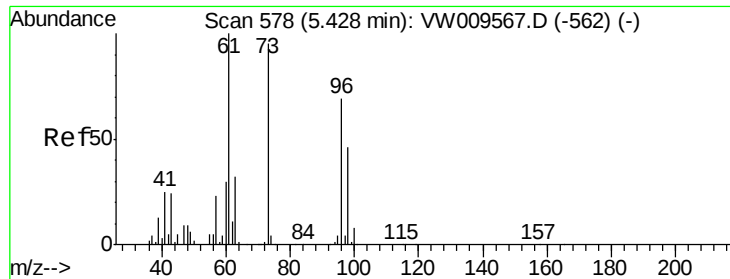
MMDadoda
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#18
Methyl Acetate
Concen: 18.144 ug/l
RT: 4.67 min Scan# 453
Delta R.T. -0.00 min
Lab File: VW009609.D
Acq: 31 Mar 2019 14:31

Tgt Ion	Ratio	Lower	Upper
43	100		
74	23.7	17.7	26.5





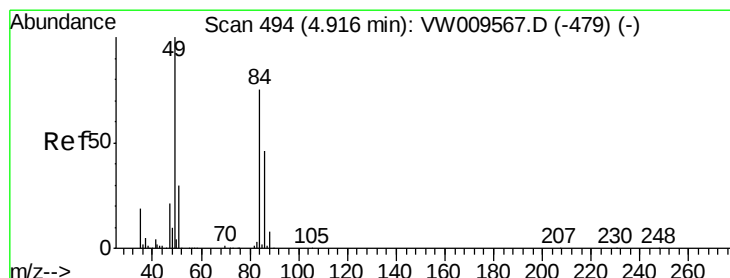
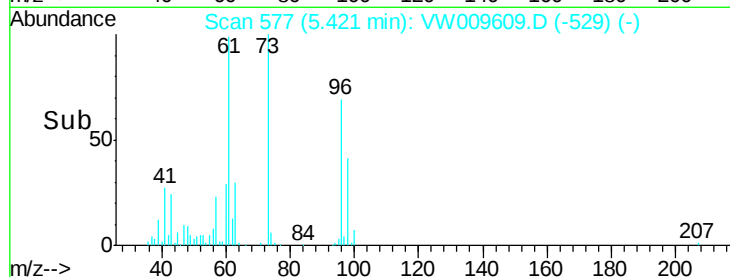
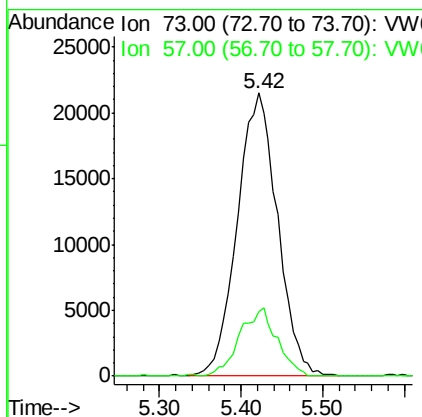
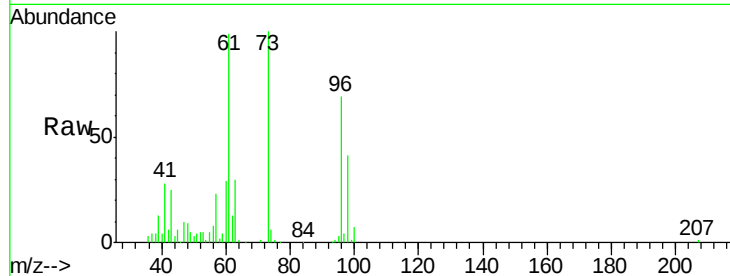
#19
Methyl tert-butyl Ether
Concen: 18.522 ug/l
RT: 5.42 min Scan# 577
Delta R.T. -0.01 min
Lab File: VW009609.D
Acq: 31 Mar 2019 14:31

Instrument :
MSVOA_W
ClientSampleId :
VW0331SBS01

Tot Ion: 73 Resp: 73734
Ion Ratio Lower Upper
73 100
57 22.6 17.0 25.6

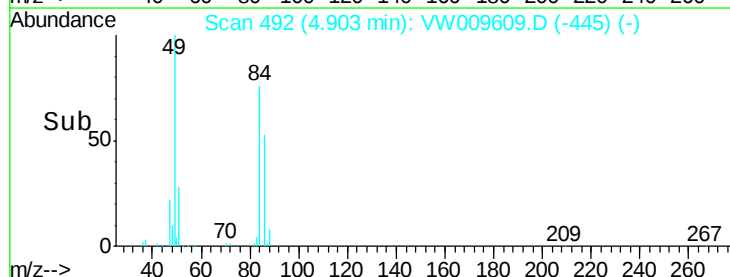
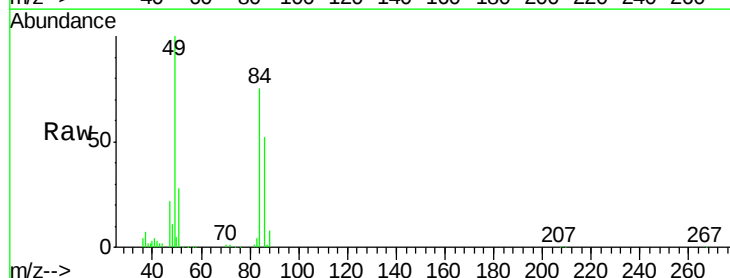
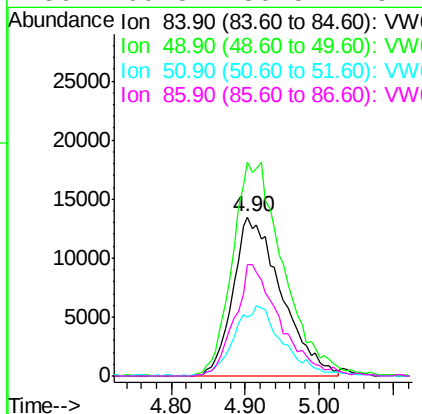
Manual Integrations
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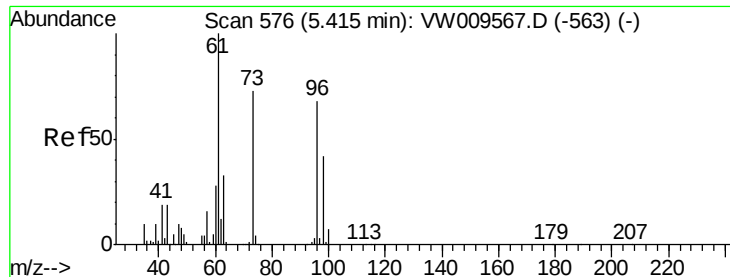
MMDadoda
4/1/2019 5:30:25 PM



#20
Methylene Chloride
Concen: 17.978 ug/l
RT: 4.90 min Scan# 492
Delta R.T. -0.01 min
Lab File: VW009609.D
Acq: 31 Mar 2019 14:31

Tgt Ion: 84 Resp: 61203
Ion Ratio Lower Upper
84 100
49 134.2 99.1 148.7
51 37.4 28.7 43.1
86 69.8 50.5 75.7





#21

trans-1,2-Dichloroethene

Concen: 19.268 ug/l

RT: 5.41 min Scan# 575

Delta R.T. -0.01 min

Lab File: VW009609.D

Acq: 31 Mar 2019 14:31

Instrument :

MSVOA_W

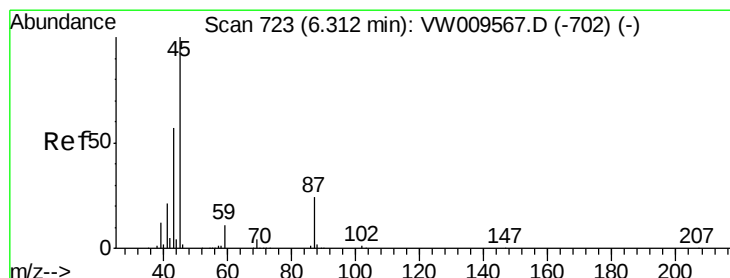
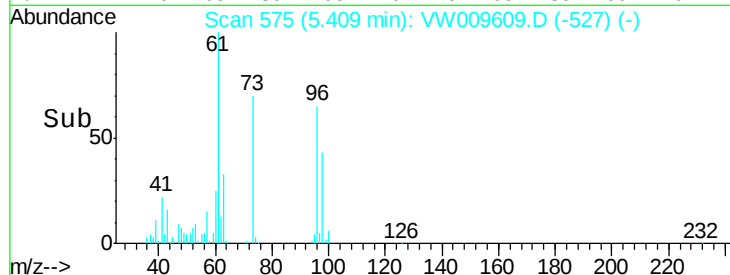
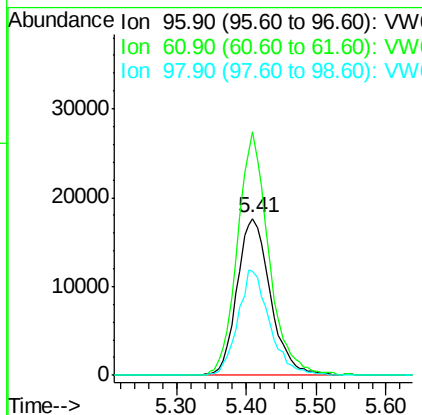
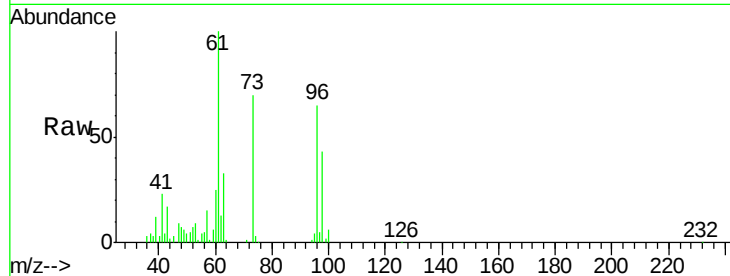
ClientSampleId :

VW0331SBS01

Tot Ion:	96	Resp:	58554
Ion	Ratio	Lower	Upper
96	100		
61	154.9	108.2	162.4
98	66.3	50.9	76.3

Manual Integrations
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#22

Diisopropyl ether

Concen: 19.414 ug/l

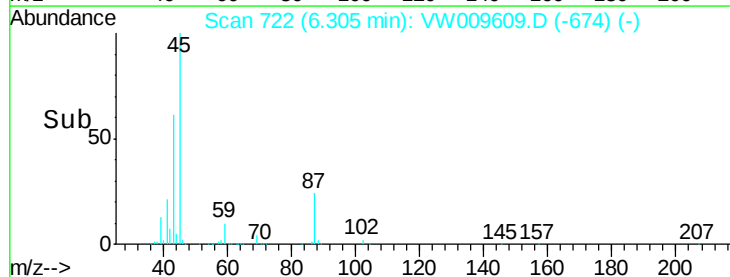
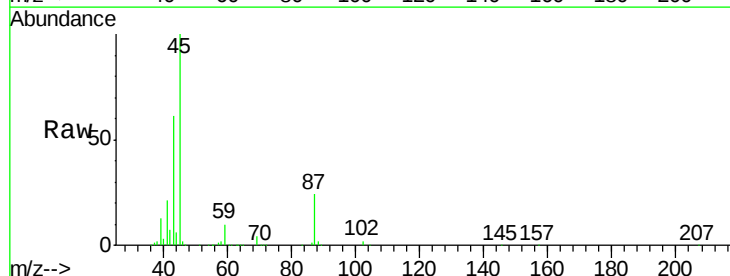
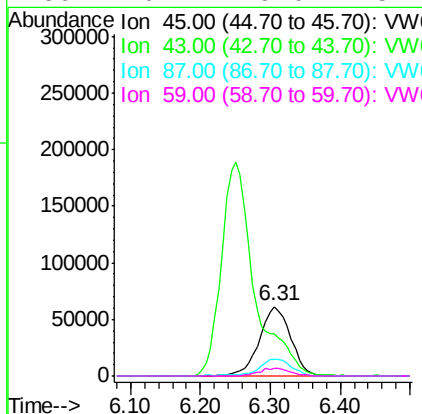
RT: 6.31 min Scan# 722

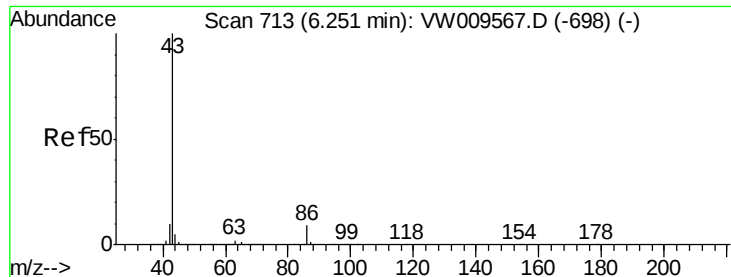
Delta R.T. -0.01 min

Lab File: VW009609.D

Acq: 31 Mar 2019 14:31

Tgt Ion:	45	Resp:	191942
Ion	Ratio	Lower	Upper
45	100		
43	60.5	47.9	71.9
87	24.4	20.6	30.8
59	10.1	9.0	13.4





#23

Vinyl Acetate

Concen: 100.777 ug/l

RT: 6.25 min Scan# 713

Delta R.T. -0.00 min

Lab File: VW009609.D

Acq: 31 Mar 2019 14:31

Instrument :

MSVOA_W

ClientSampleId :

VW0331SBS01

Tot Ion: 43 Resp: 621573

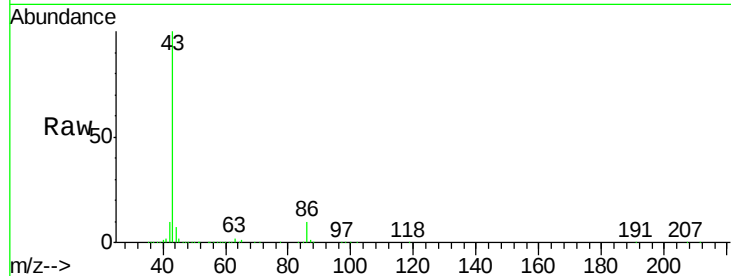
Ion Ratio Lower Upper

43 100

86 9.8 7.7 11.5

Manual Integrations
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Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 86.00 (85.70 to 86.70): VW

6.25

200000

150000

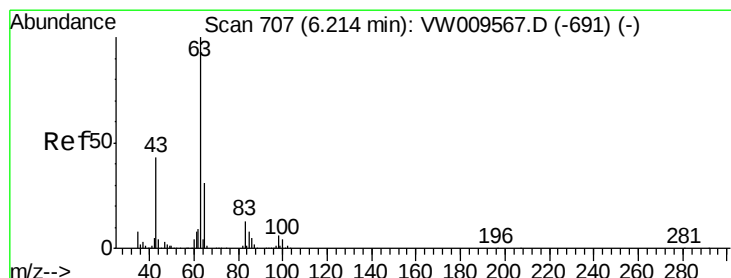
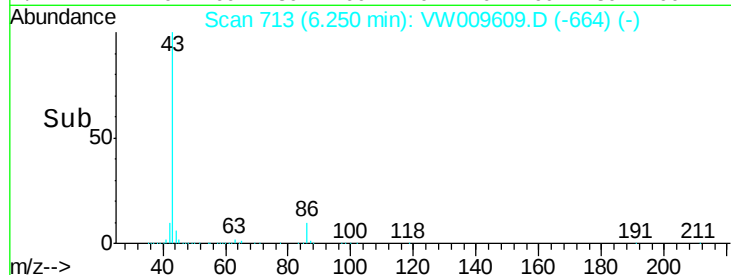
100000

50000

0

Time-->

6.10 6.20 6.30 6.40



#24

1,1-Dichloroethane

Concen: 19.418 ug/l

RT: 6.20 min Scan# 705

Delta R.T. -0.01 min

Lab File: VW009609.D

Acq: 31 Mar 2019 14:31

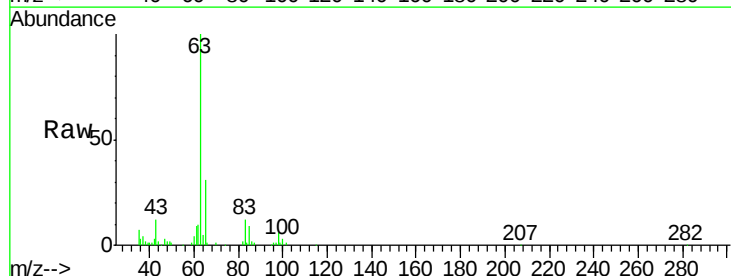
Tgt Ion: 63 Resp: 115550

Ion Ratio Lower Upper

63 100

98 6.3 3.7 11.1

100 3.2 2.4 7.1



Abundance Ion 62.90 (62.60 to 63.60): VW

Ion 97.90 (97.60 to 98.60): VW

Ion 99.90 (99.60 to 100.60): VW

6.20

50000

40000

30000

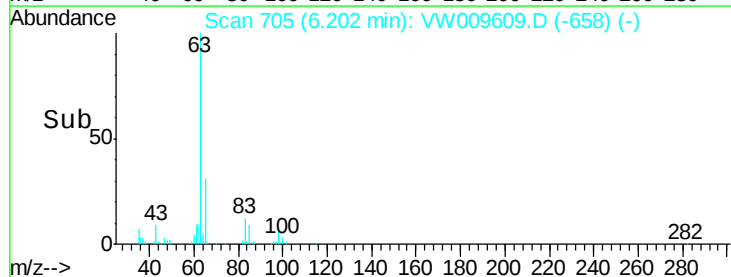
20000

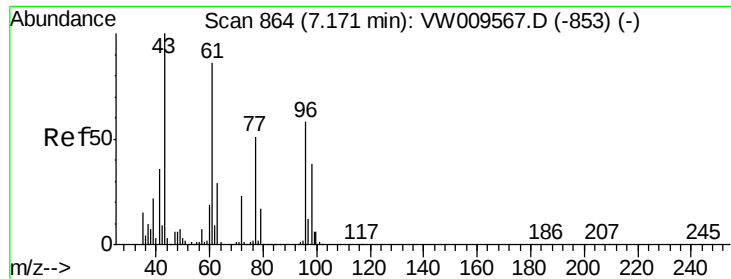
10000

0

Time-->

6.10 6.20 6.30





#25

2-Butanone

Concen: 102.377 ug/l

RT: 7.16 min Scan# 863

Delta R.T. -0.01 min

Lab File: VW009609.D

Acq: 31 Mar 2019 14:31

Instrument :

MSVOA_W

ClientSampleId :

VW0331SBS01

Tot Ion: 43 Resp: 107862

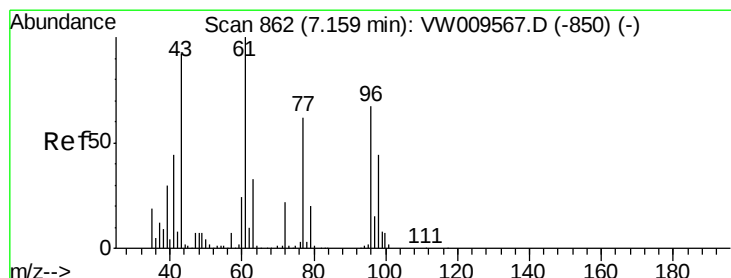
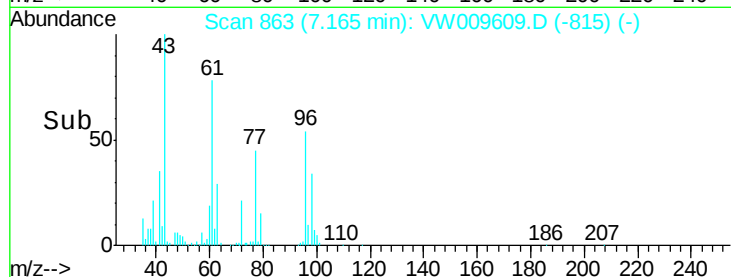
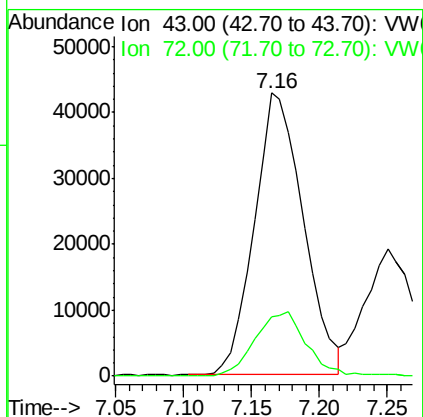
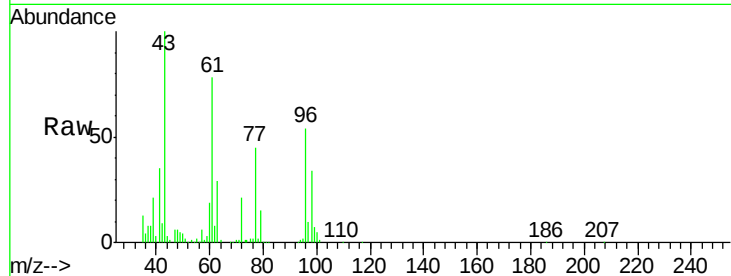
Ion Ratio Lower Upper

43 100

72 20.9 20.0 30.0

Manual Integrations
APPROVED

MMDadoda
4/1/2019 5:30:25 PM



#26

2,2-Dichloropropane

Concen: 18.010 ug/l

RT: 7.16 min Scan# 862

Delta R.T. -0.00 min

Lab File: VW009609.D

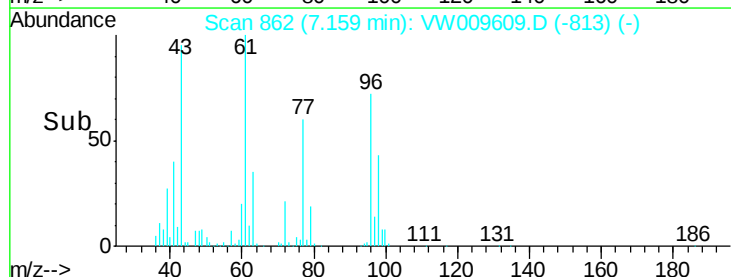
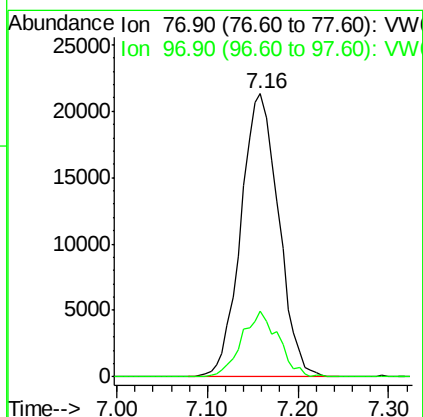
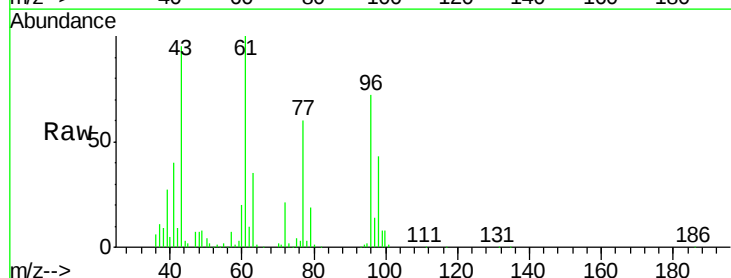
Acq: 31 Mar 2019 14:31

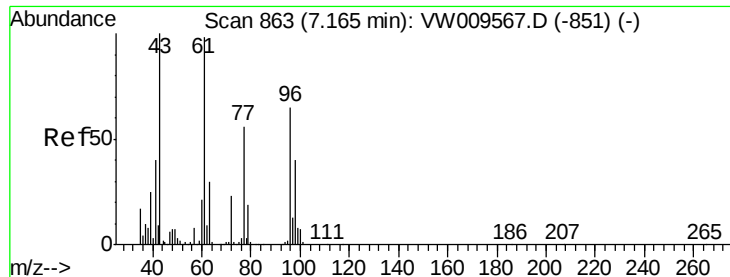
Tgt Ion: 77 Resp: 61275

Ion Ratio Lower Upper

77 100

97 22.4 11.6 34.7





#27

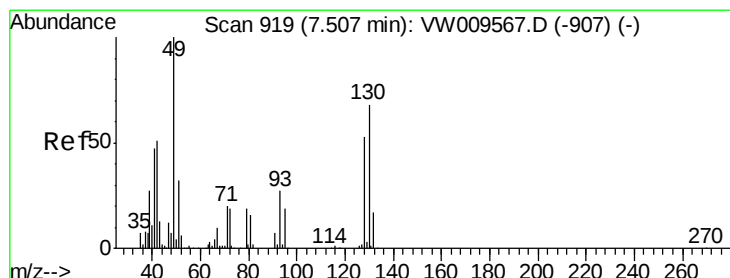
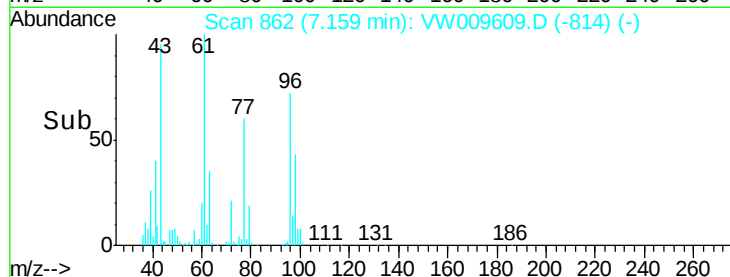
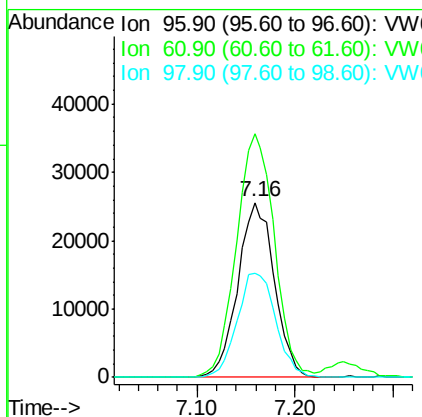
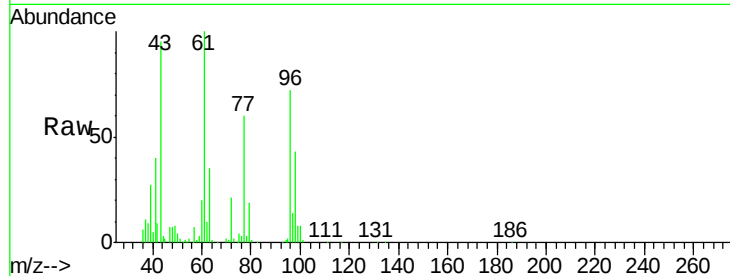
cis-1,2-Dichloroethene
Concen: 19.945 ug/l
RT: 7.16 min Scan# 862
Delta R.T. -0.01 min
Lab File: VW009609.D
Acq: 31 Mar 2019 14:31

Instrument :
MSVOA_W
ClientSampleId :
VW0331SBS01

Tot Ion	Ratio	Lower	Upper
96	100		
61	144.6	0.0	289.8
98	62.8	0.0	130.8

Manual Integrations
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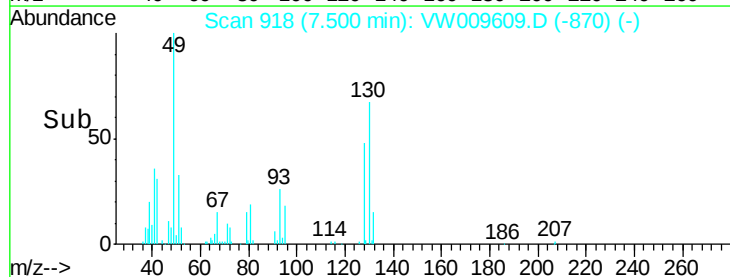
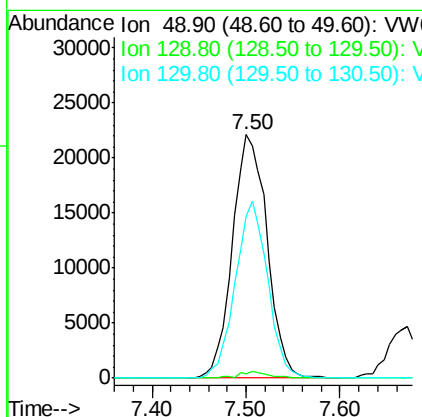
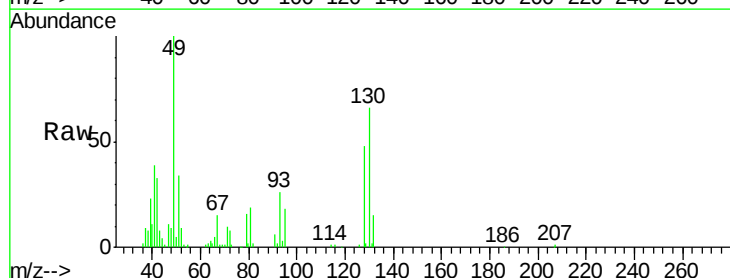
MMDadoda
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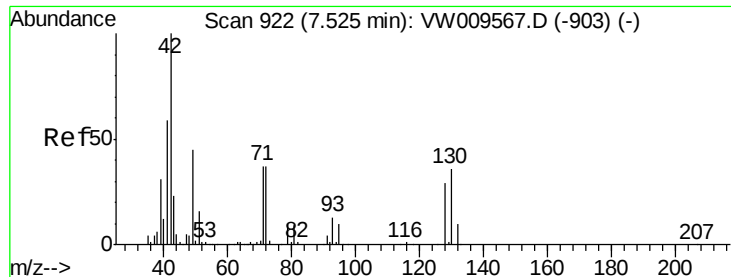


#28

Bromochloromethane
Concen: 21.985 ug/l
RT: 7.50 min Scan# 918
Delta R.T. -0.01 min
Lab File: VW009609.D
Acq: 31 Mar 2019 14:31

Tgt Ion	Ratio	Lower	Upper
49	100		
129	2.2	0.0	1.4#
130	68.1	58.6	88.0





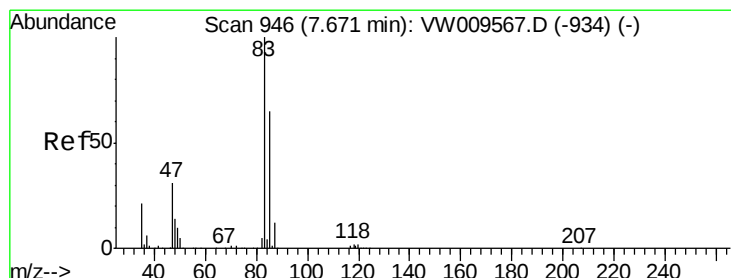
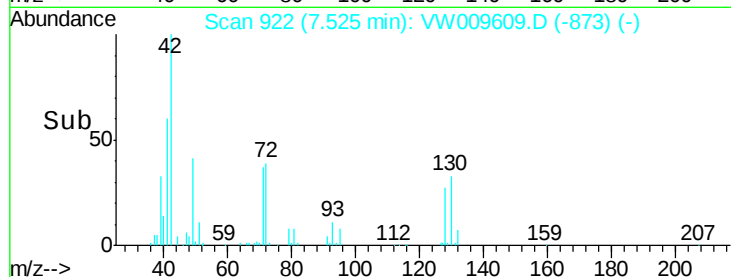
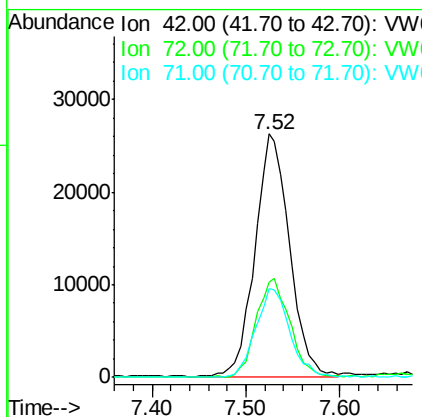
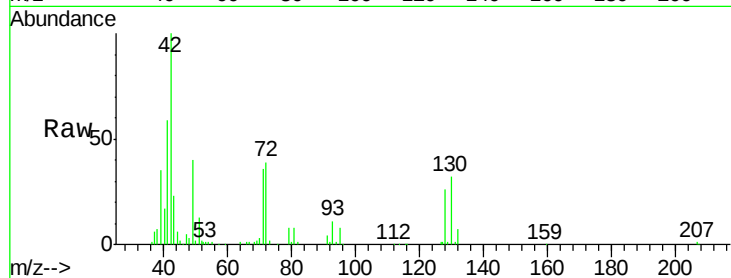
#29
Tetrahydrofuran
Concen: 102.848 ug/l
RT: 7.52 min Scan# 922
Delta R.T. -0.00 min
Lab File: VW009609.D
Acq: 31 Mar 2019 14:31

Instrument :
MSVOA_W
ClientSampleId :
VW0331SBS01

Tot Ion	Ratio	Lower	Upper
42	100		
72	39.9	32.4	48.6
71	36.3	30.1	45.1

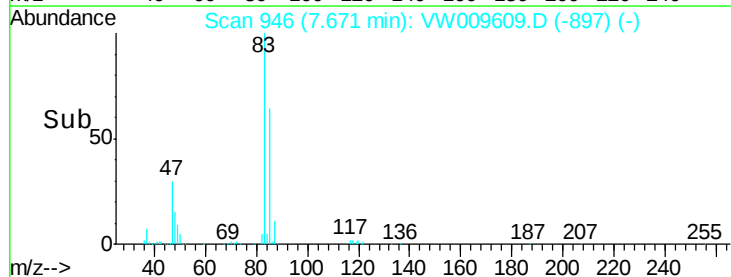
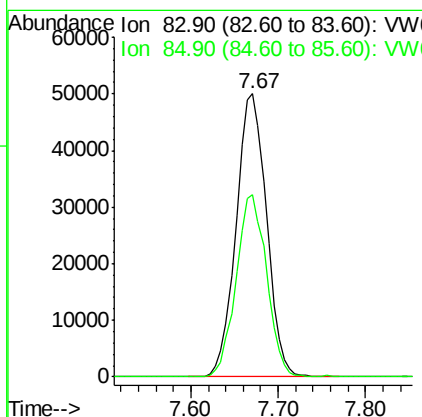
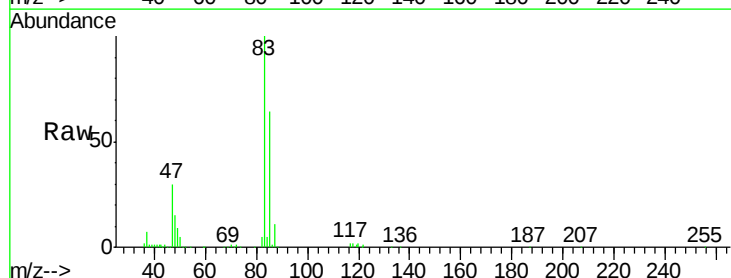
Manual Integrations
APPROVED

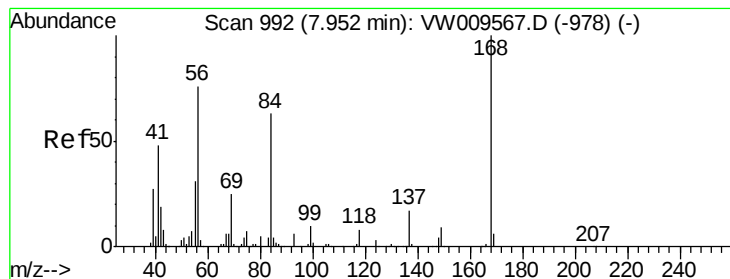
MMDadoda
4/1/2019 5:30:25 PM



#30
Chloroform
Concen: 19.647 ug/l
RT: 7.67 min Scan# 946
Delta R.T. -0.00 min
Lab File: VW009609.D
Acq: 31 Mar 2019 14:31

Tgt Ion	Ratio	Lower	Upper
83	100		
85	64.5	51.0	76.6





#31

Cyclohexane

Concen: 18.610 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.01 min

Lab File: VW009609.D

Acq: 31 Mar 2019 14:31

Instrument :

MSVOA_W

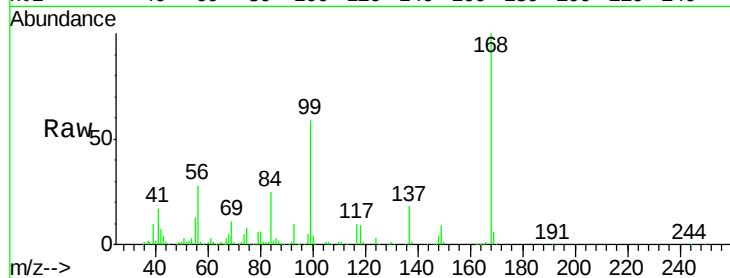
ClientSampled :

VW0331SBS01

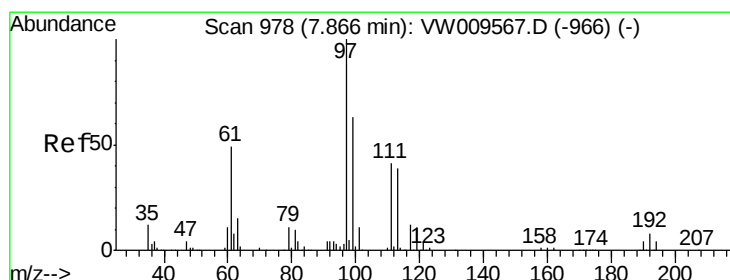
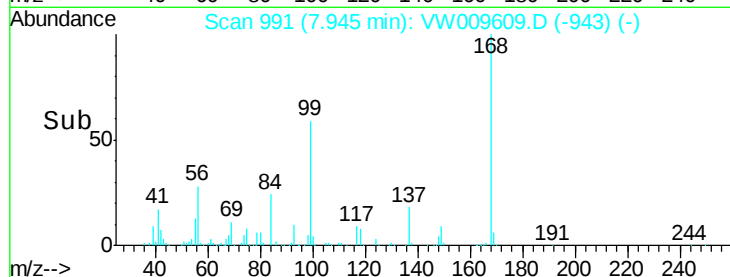
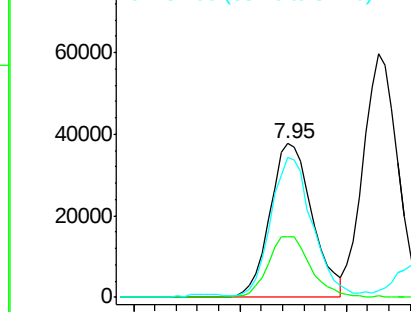
Tot Ion:	56	Resp:	103824
Ion Ratio	Lower	Upper	
56	100		
69	39.6	26.1	39.1#
84	89.1	68.6	103.0

Manual Integrations
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4/1/2019 5:30:25 PM



Abundance Ion 56.00 (55.70 to 56.70): VW
Ion 69.00 (68.70 to 69.70): VW
Ion 84.00 (83.70 to 84.70): VW



#32

1,1,1-Trichloroethane

Concen: 18.354 ug/l

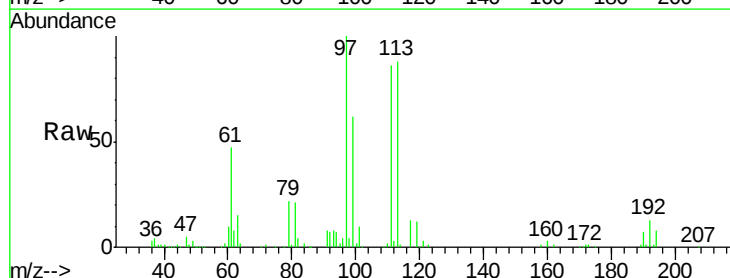
RT: 7.86 min Scan# 977

Delta R.T. -0.01 min

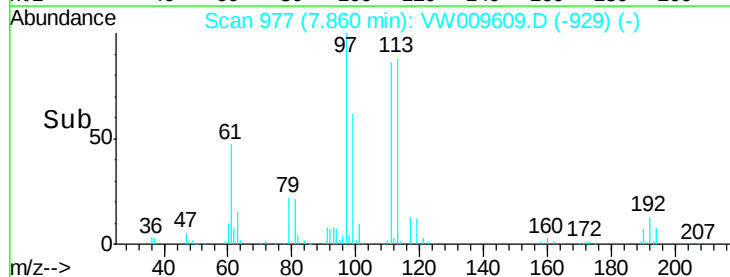
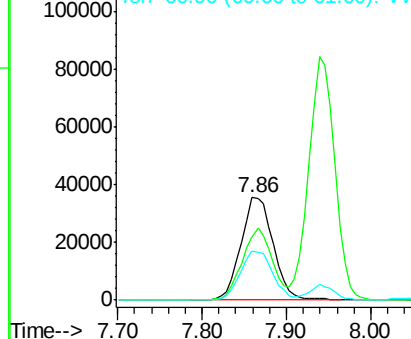
Lab File: VW009609.D

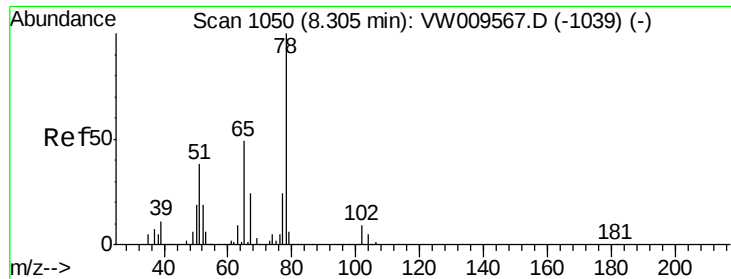
Acq: 31 Mar 2019 14:31

Tgt Ion:	97	Resp:	91575
Ion Ratio	Lower	Upper	
97	100		
99	65.8	51.9	77.9
61	48.0	36.8	55.2



Abundance Ion 96.90 (96.60 to 97.60): VW
Ion 98.90 (98.60 to 99.60): VW
Ion 60.90 (60.60 to 61.60): VW





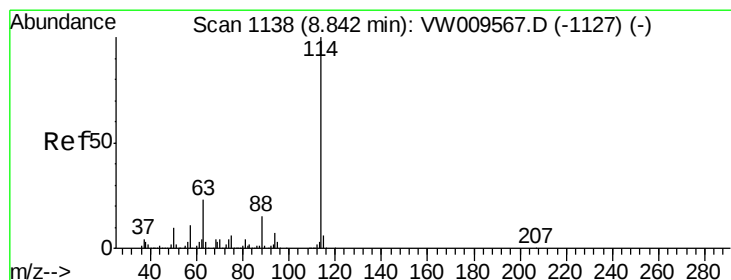
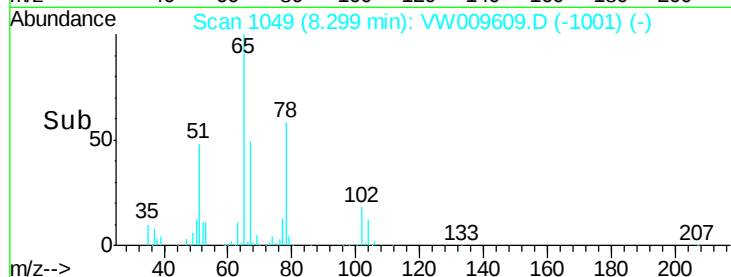
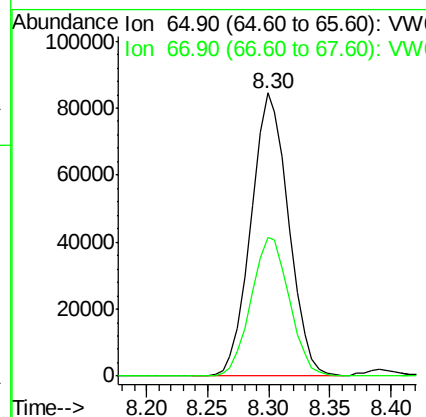
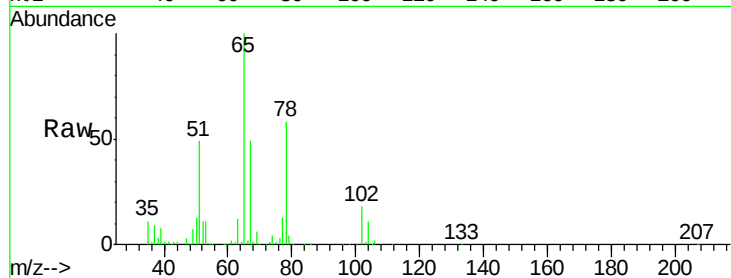
#33
 1,2-Dichloroethane-d4
 Concen: 53.263 ug/l
 RT: 8.30 min Scan# 1049
 Delta R.T. -0.01 min
 Lab File: VW009609.D
 Acq: 31 Mar 2019 14:31

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0331SBS01

Tot Ion	Ratio	Resp	Lower	Upper
65	100	180617		
67	50.1	0.0	102.4	

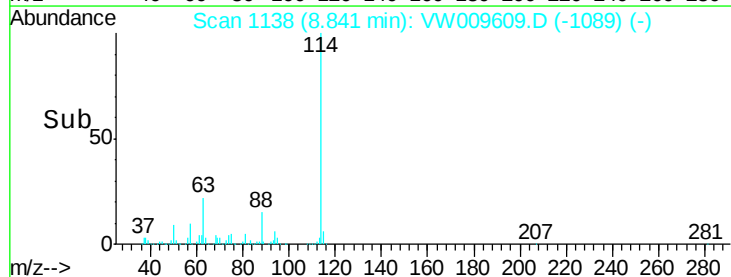
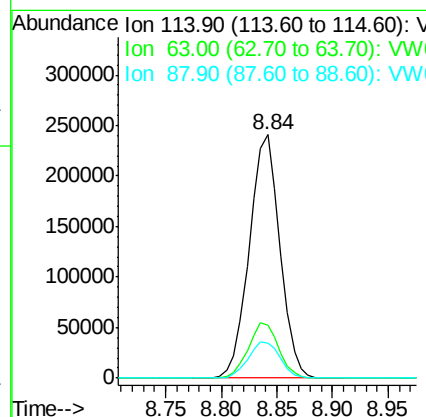
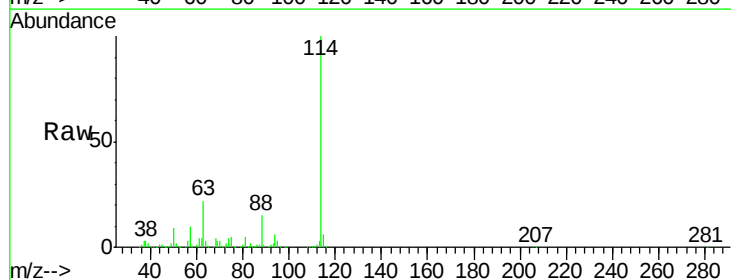
Manual Integrations
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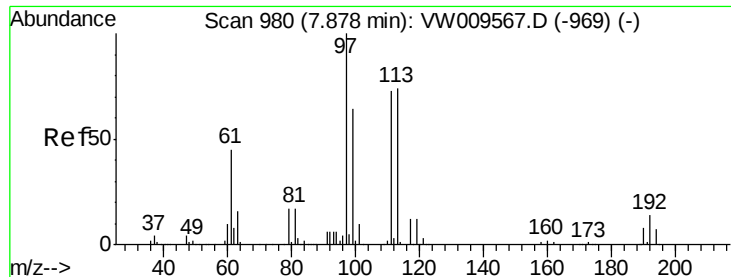
MMDadoda
 4/1/2019 5:30:25 PM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1138
 Delta R.T. -0.00 min
 Lab File: VW009609.D
 Acq: 31 Mar 2019 14:31

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	461148		
63	21.6	0.0	42.2	
88	14.6	0.0	30.8	





#35

Dibromofluoromethane

Concen: 52.182 ug/l

RT: 7.88 min Scan# 980

Delta R.T. -0.00 min

Lab File: VW009609.D

Acq: 31 Mar 2019 14:31

Instrument :

MSVOA_W

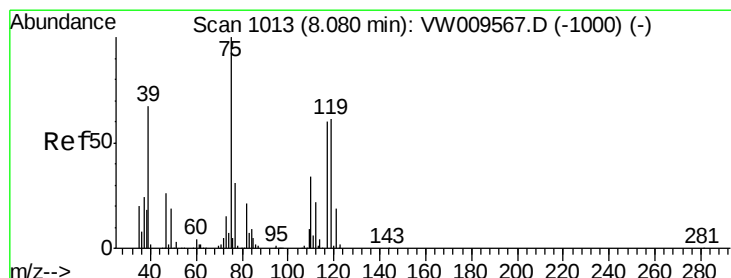
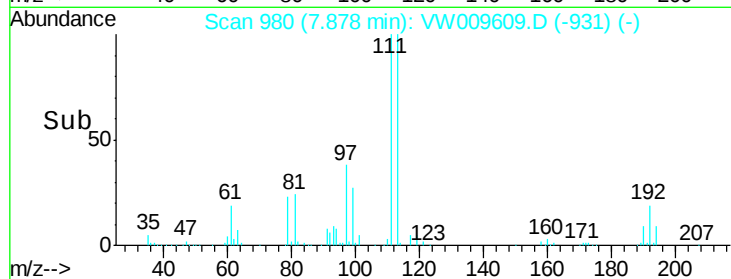
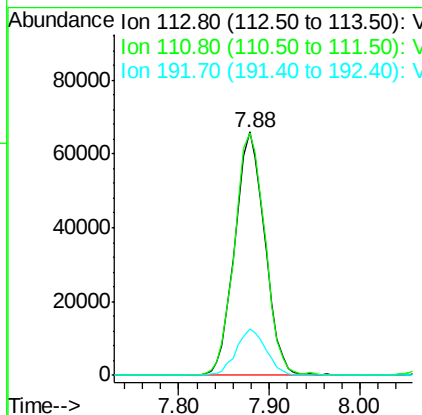
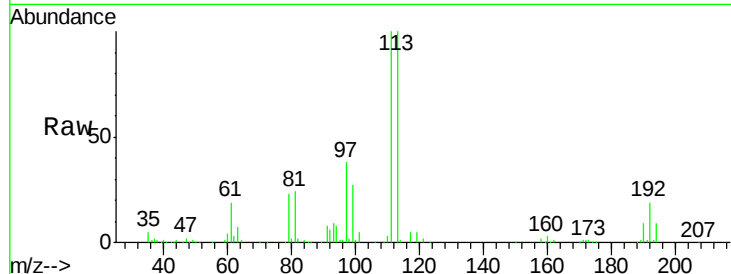
ClientSampleId :

VW0331SBS01

Tot Ion:	113	Resp:	151138
Ion Ratio	Lower	Upper	
113	100		
111	101.1	82.6	124.0
192	19.0	16.4	24.6

Manual Integrations
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4/1/2019 5:30:25 PM



#36

1,1-Dichloropropene

Concen: 19.759 ug/l

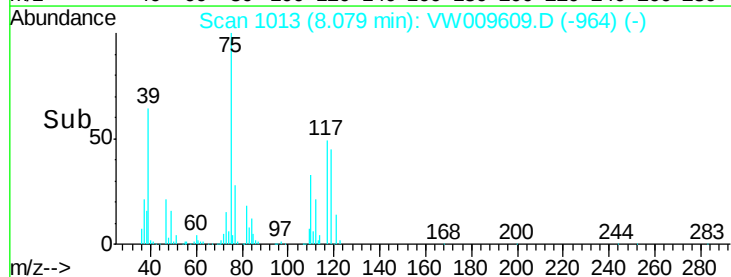
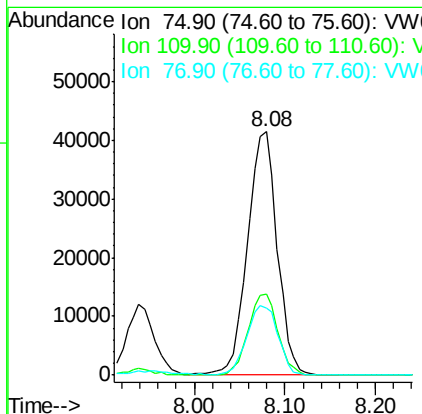
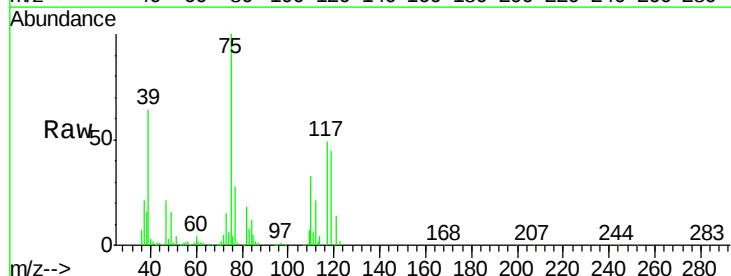
RT: 8.08 min Scan# 1013

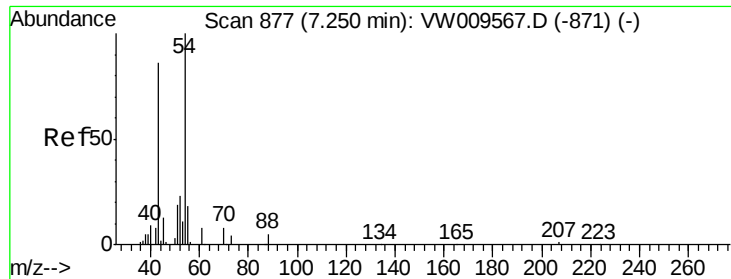
Delta R.T. -0.00 min

Lab File: VW009609.D

Acq: 31 Mar 2019 14:31

Tgt Ion:	75	Resp:	94248
Ion Ratio	Lower	Upper	
75	100		
110	33.1	16.8	50.4
77	30.0	24.6	36.8





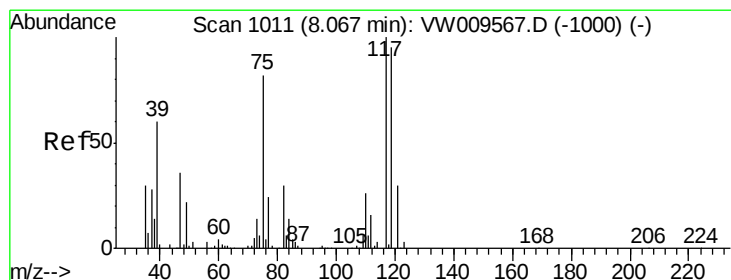
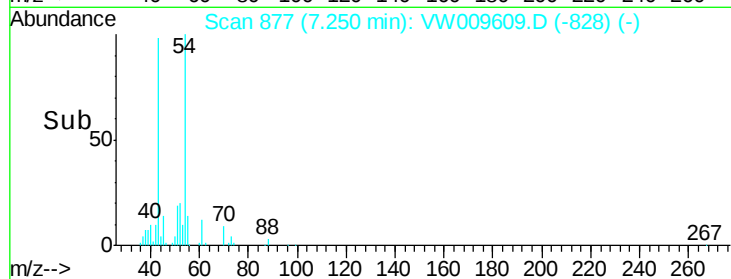
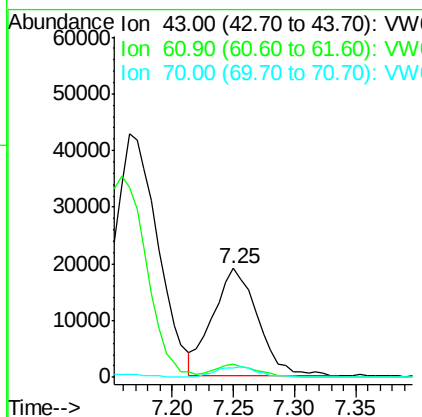
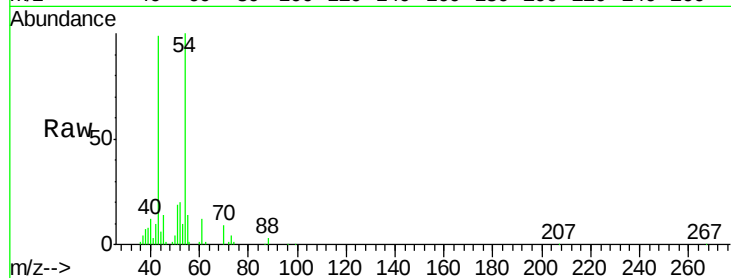
#37
Ethyl Acetate
Concen: 21.154 ug/l
RT: 7.25 min Scan# 877
Delta R.T. -0.00 min
Lab File: VW009609.D
Acq: 31 Mar 2019 14:31

Instrument :
MSVOA_W
ClientSampleId :
VW0331SBS01

Tot Ion	Ratio	Lower	Upper
43	100		
61	12.3	10.0	15.0
70	9.4	7.3	10.9

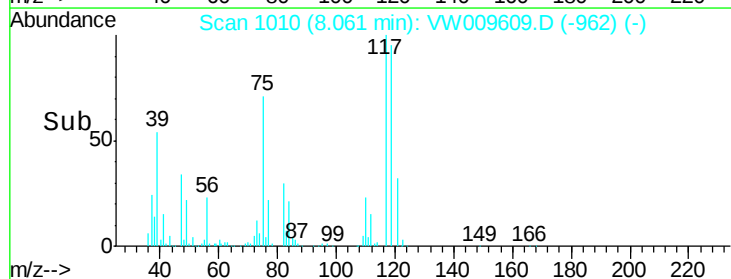
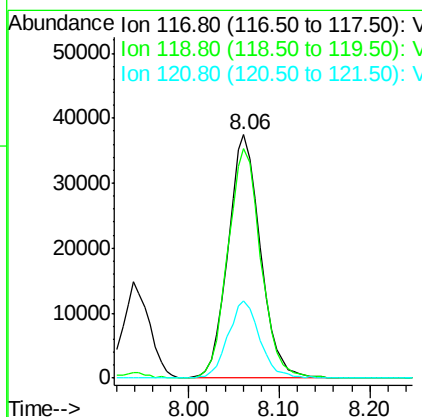
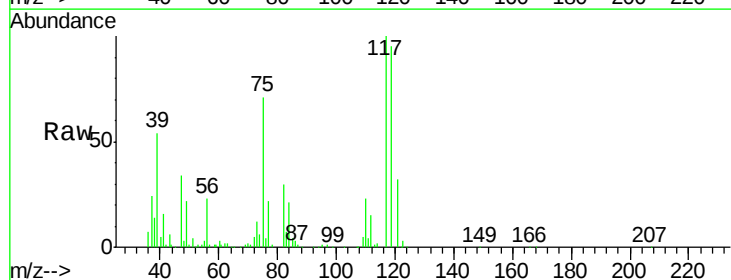
Manual Integrations
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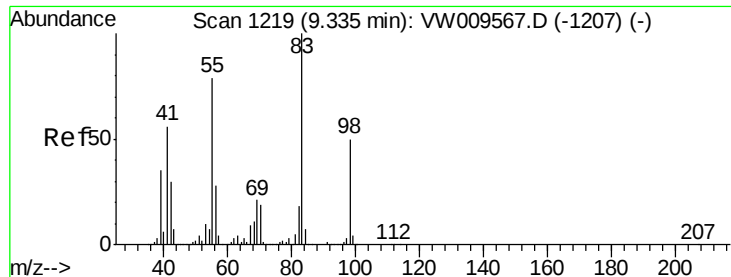
MMDadoda
4/1/2019 5:30:25 PM



#38
Carbon Tetrachloride
Concen: 19.012 ug/l
RT: 8.06 min Scan# 1010
Delta R.T. -0.01 min
Lab File: VW009609.D
Acq: 31 Mar 2019 14:31

Tgt Ion	Ratio	Lower	Upper
117	100		
119	94.5	75.4	113.0
121	31.6	24.9	37.3





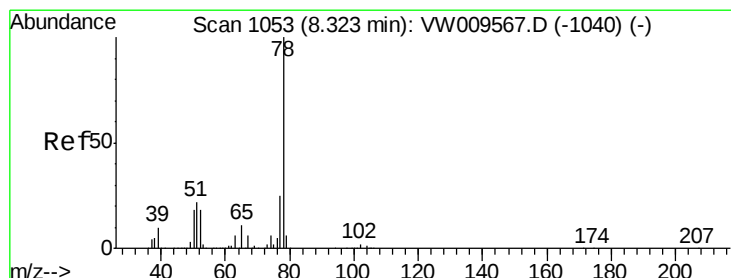
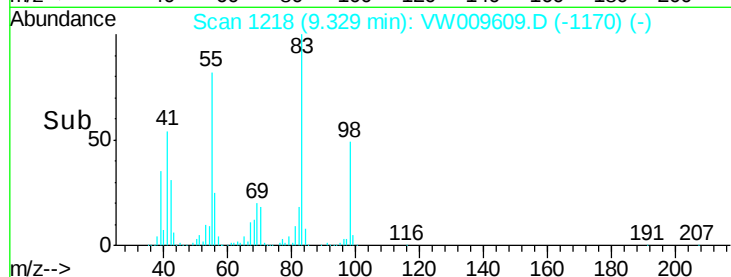
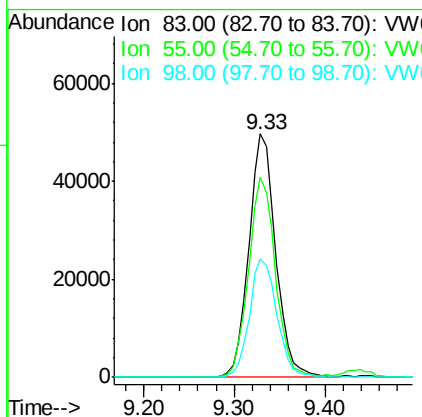
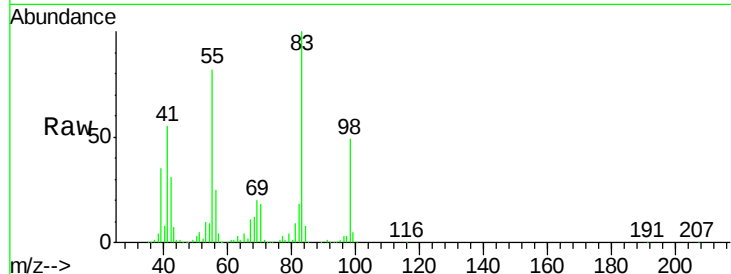
#39
Methvlcvclohexane
Concen: 18.731 ug/l
RT: 9.33 min Scan# 1218
Delta R.T. -0.01 min
Lab File: VW009609.D
Acq: 31 Mar 2019 14:31

Instrument :
MSVOA_W
ClientSampleId :
VW0331SBSD01

Tot Ion	Ratio	Resp	Lower	Upper
83	100			
55	82.2	61.1	91.7	
98	48.6	39.0	58.4	

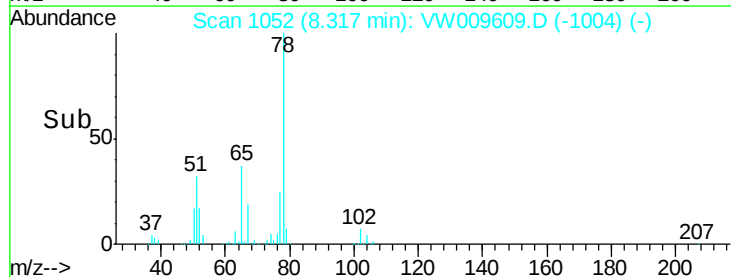
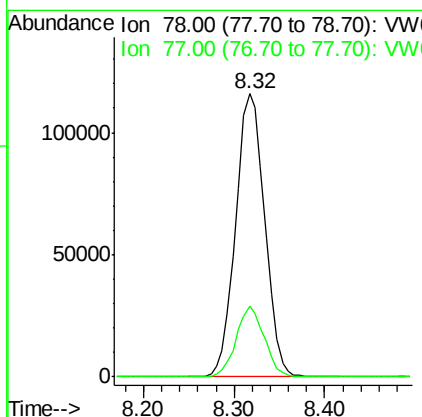
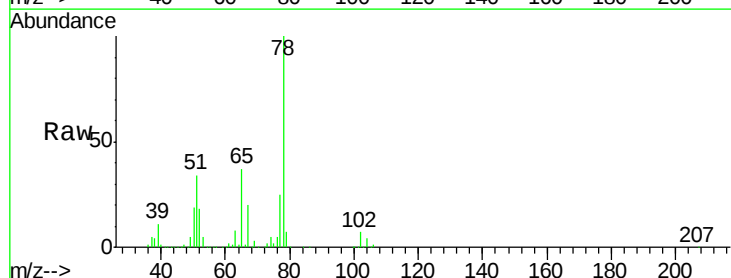
Manual Integrations
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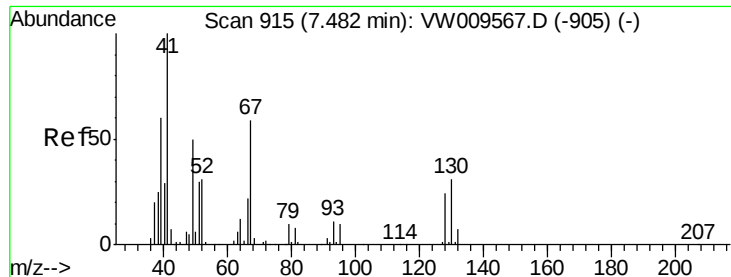
MMDadoda
4/1/2019 5:30:25 PM



#40
Benzene
Concen: 19.940 ug/l
RT: 8.32 min Scan# 1052
Delta R.T. -0.01 min
Lab File: VW009609.D
Acq: 31 Mar 2019 14:31

Tgt Ion	Ratio	Resp	Lower	Upper
78	100			
77	24.9	19.8	29.6	





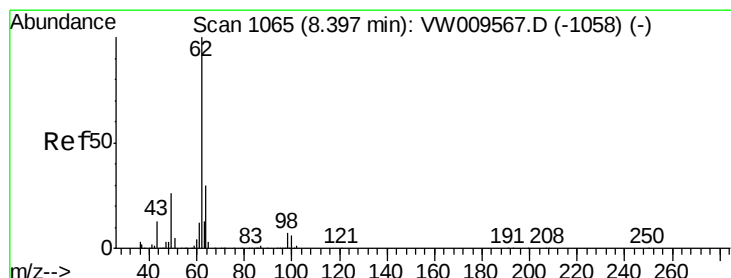
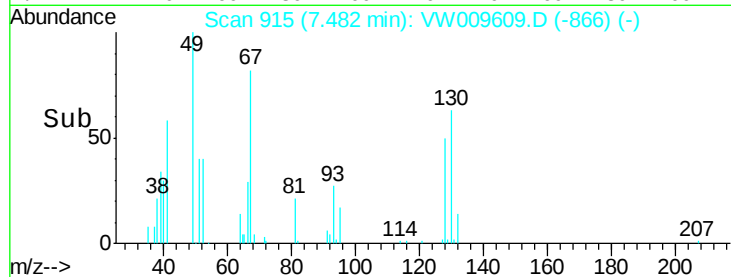
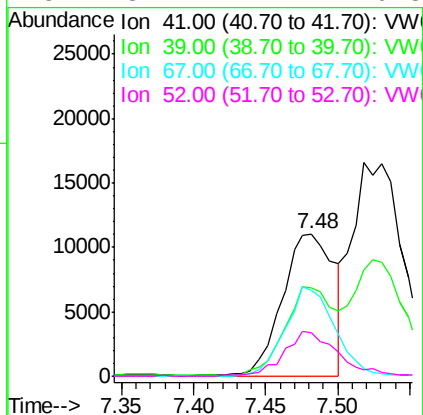
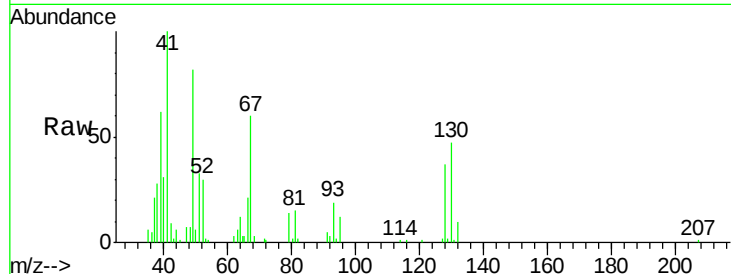
#41
Methacrylonitrile
Concen: 21.289 ug/l
RT: 7.48 min Scan# 915
Delta R.T. -0.00 min
Lab File: VW009609.D
Acq: 31 Mar 2019 14:31

Instrument :
MSVOA_W
ClientSampleId :
VW0331SBS01

Tot Ion	41	Resp:	27812
Ion	Ratio	Lower	Upper
41	100		
39	59.1	52.5	78.7
67	60.5	56.6	84.8
52	32.4	27.2	40.8

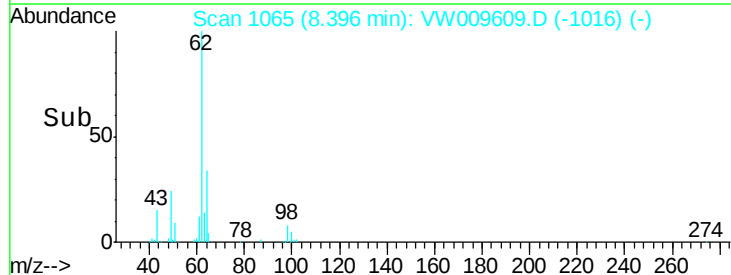
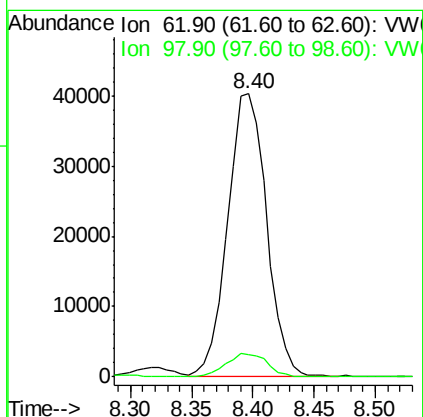
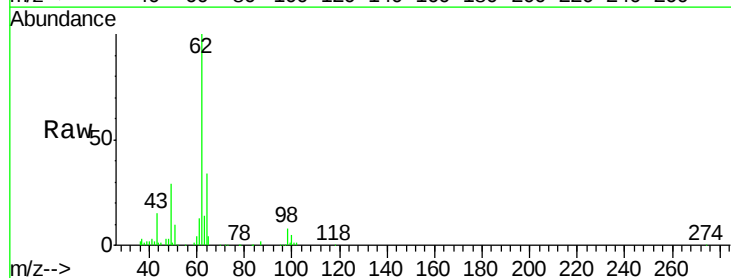
Manual Integrations
APPROVED

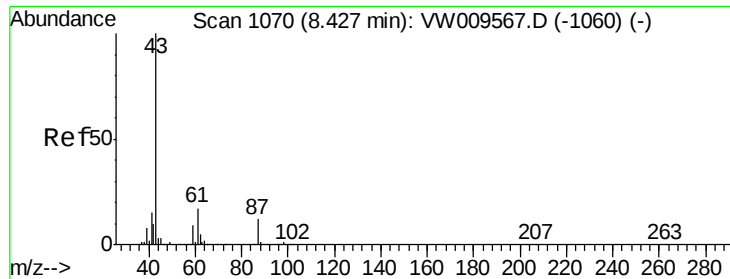
MMDadoda
4/1/2019 5:30:25 PM



#42
1,2-Dichloroethane
Concen: 20.172 ug/l
RT: 8.40 min Scan# 1065
Delta R.T. -0.00 min
Lab File: VW009609.D
Acq: 31 Mar 2019 14:31

Tgt Ion	62	Resp:	88849
Ion	Ratio	Lower	Upper
62	100		
98	8.7	0.0	17.4





#43

Isopropyl Acetate

Concen: 19.904 ug/l

RT: 8.43 min Scan# 1070

Delta R.T. -0.00 min

Lab File: VW009609.D

Acq: 31 Mar 2019 14:31

Instrument :

MSVOA_W

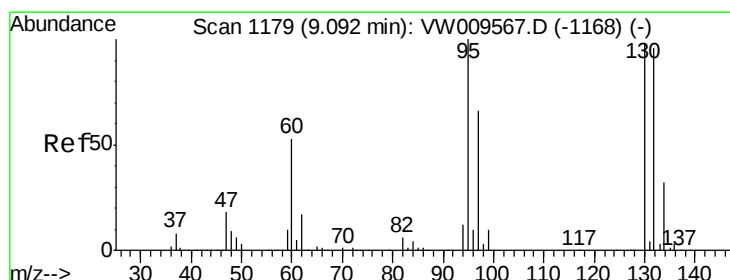
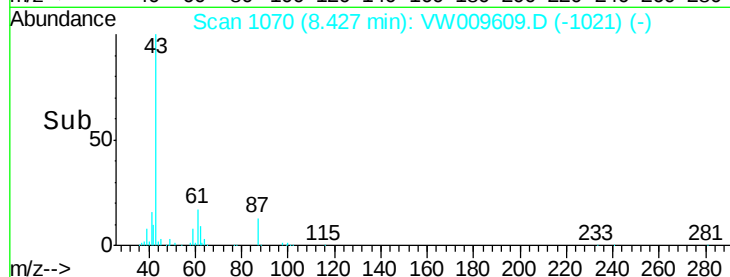
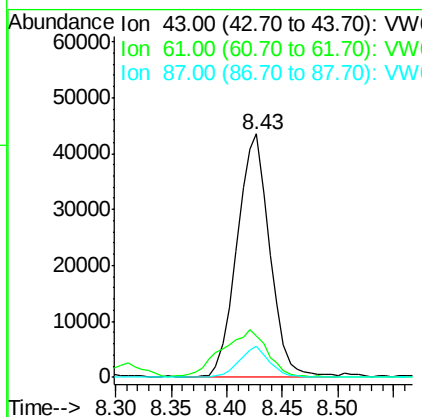
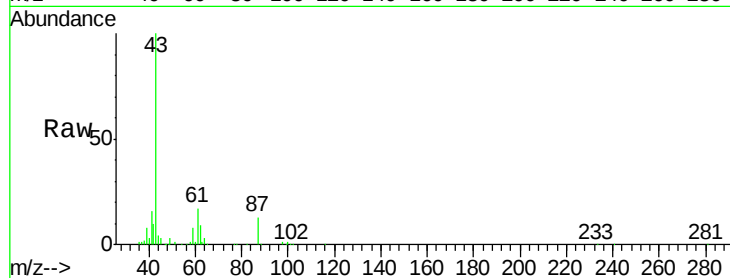
ClientSampleId :

VW0331SBS01

Tot Ion:	43	Resp:	88395
Ion	Ratio	Lower	Upper
43	100		
61	27.8	22.2	33.2
87	11.8	9.6	14.4

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#44

Trichloroethene

Concen: 19.299 ug/l

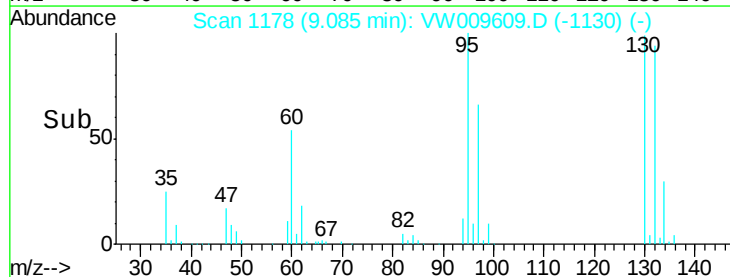
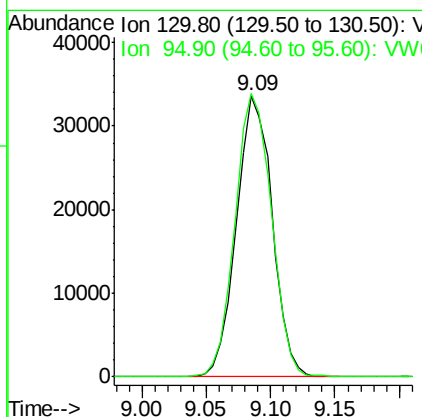
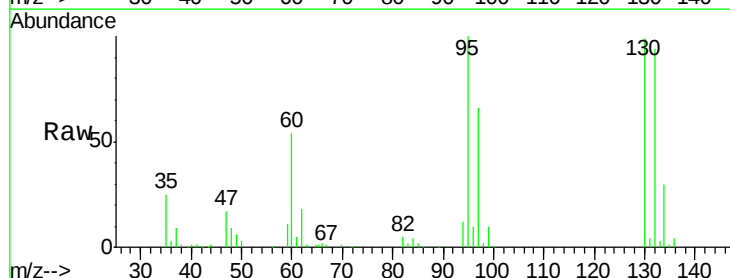
RT: 9.09 min Scan# 1178

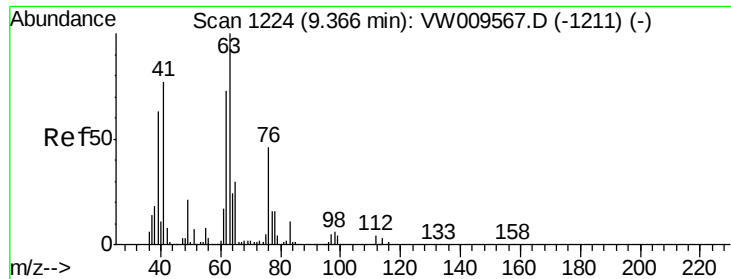
Delta R.T. -0.01 min

Lab File: VW009609.D

Acq: 31 Mar 2019 14:31

Tgt Ion:	130	Resp:	64551
Ion	Ratio	Lower	Upper
130	100		
95	100.6	0.0	192.6





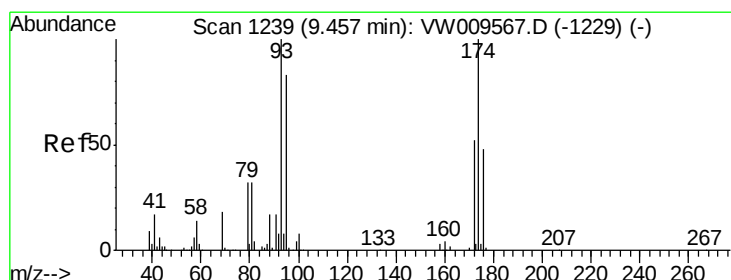
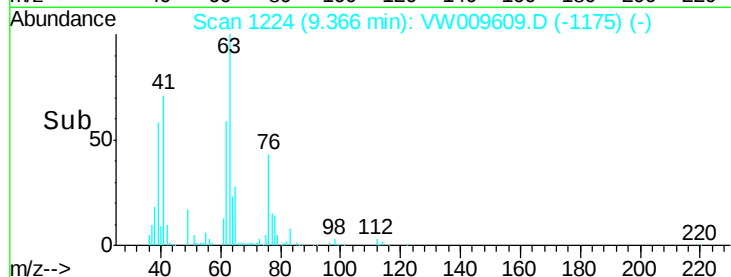
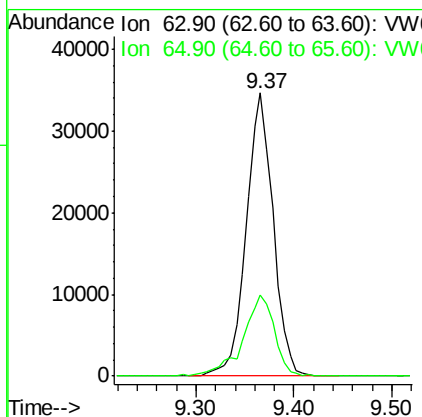
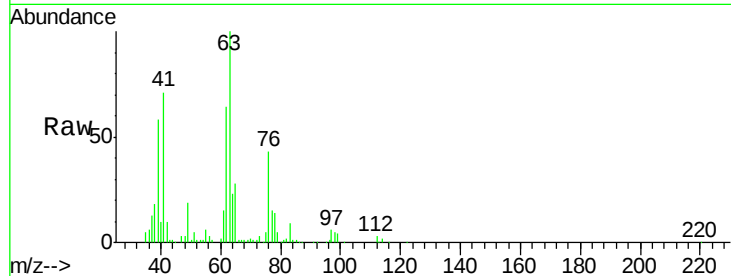
#45
 1,2-Dichloropropane
 Concen: 20.025 ug/l
 RT: 9.37 min Scan# 1224
 Delta R.T. -0.00 min
 Lab File: VW009609.D
 Acq: 31 Mar 2019 14:31

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0331SBS01

Tot Ion	Ratio	Lower	Upper
63	100		
65	28.5	25.8	38.8

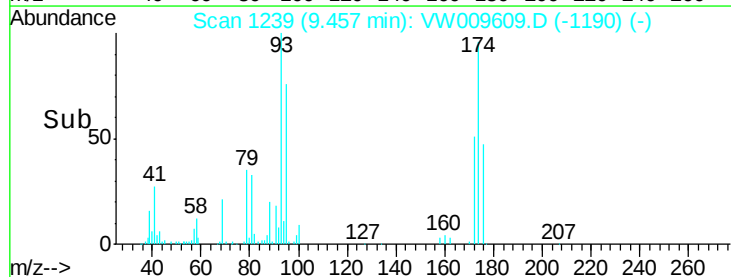
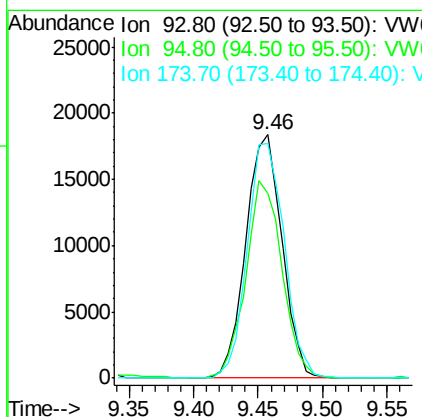
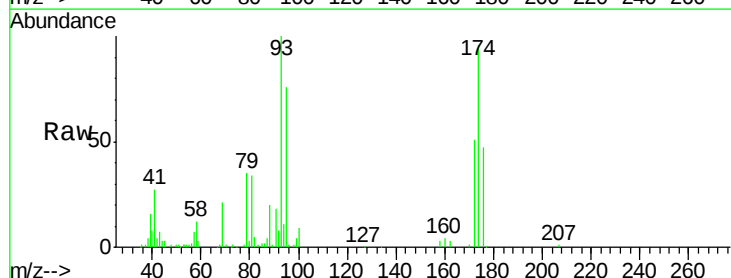
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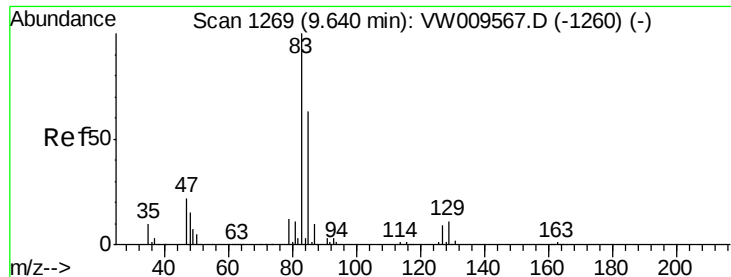
MMDadoda
 4/1/2019 5:30:25 PM



#46
 Dibromomethane
 Concen: 19.957 ug/l
 RT: 9.46 min Scan# 1239
 Delta R.T. -0.00 min
 Lab File: VW009609.D
 Acq: 31 Mar 2019 14:31

Tgt Ion	Ratio	Lower	Upper
93	100		
95	80.9	66.9	100.3
174	98.7	80.8	121.2





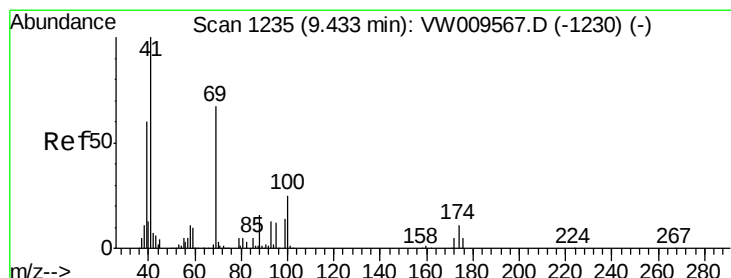
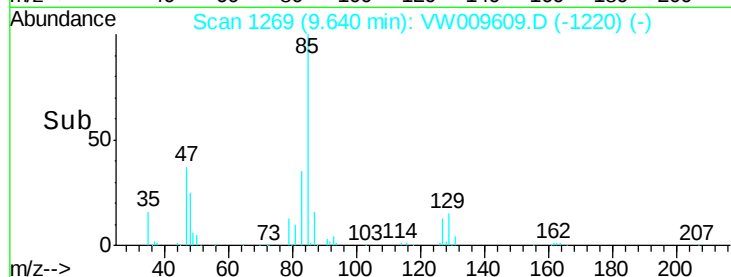
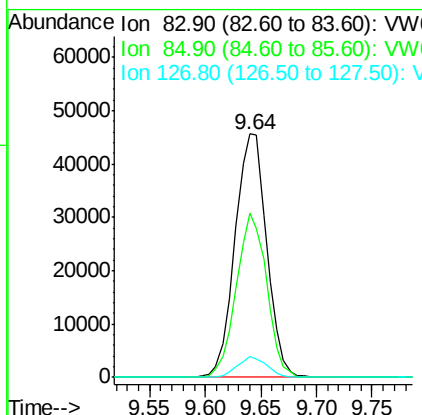
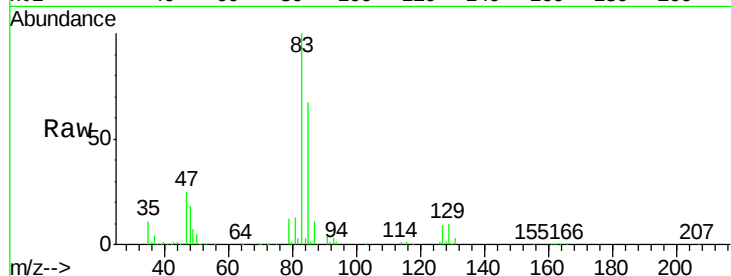
#47
Bromodichloromethane
Concen: 19.689 ug/l
RT: 9.64 min Scan# 1269
Delta R.T. -0.00 min
Lab File: VW009609.D
Acq: 31 Mar 2019 14:31

Instrument :
MSVOA_W
ClientSampleId :
VW0331SBS01

Tot Ion	83	Resp	89974
Ion Ratio	100	Lower	Upper
83	100		
85	67.1	52.6	79.0
127	8.8	6.5	9.7

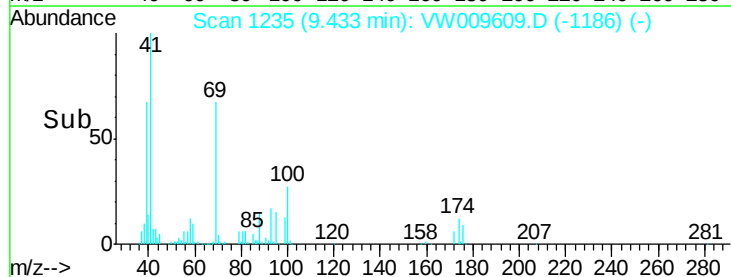
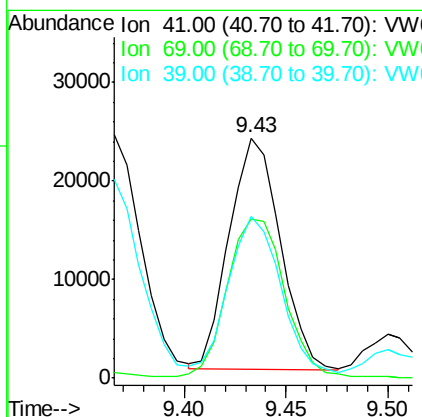
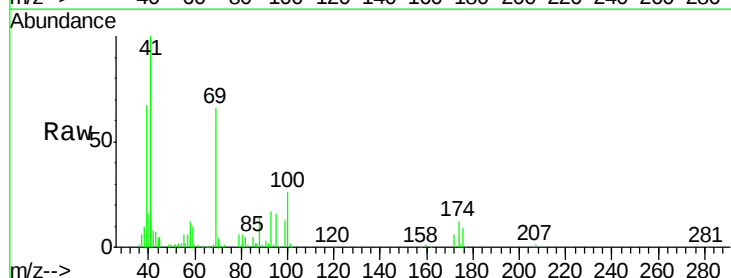
Manual Integrations
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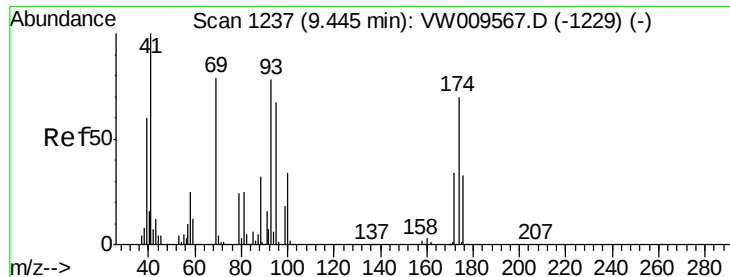
MMDadoda
4/1/2019 5:30:25 PM



#48
Methyl methacrylate
Concen: 19.659 ug/l
RT: 9.43 min Scan# 1235
Delta R.T. -0.00 min
Lab File: VW009609.D
Acq: 31 Mar 2019 14:31

Tgt Ion	41	Resp	40926
Ion Ratio	100	Lower	Upper
41	100		
69	78.8	63.0	94.6
39	72.3	57.2	85.8





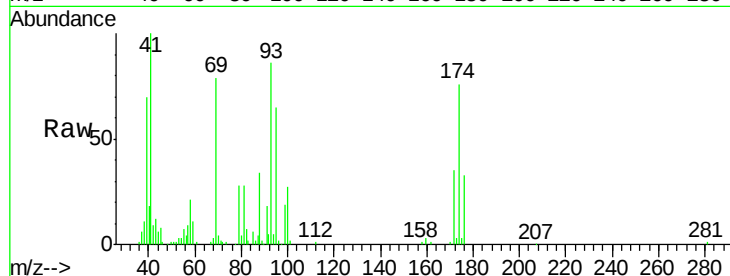
#49
1,4-Dioxane
Concen: 442.685 ug/l
RT: 9.44 min Scan# 1237
Delta R.T. -0.00 min
Lab File: VW009609.D
Acq: 31 Mar 2019 14:31

Instrument :
MSVOA_W
ClientSampleId :
VW0331SBS01

Tot Ion	88	Resp	11810
Ion Ratio	Lower	Upper	
88	100		
43	35.2	29.7	44.5
58	68.5	58.1	87.1

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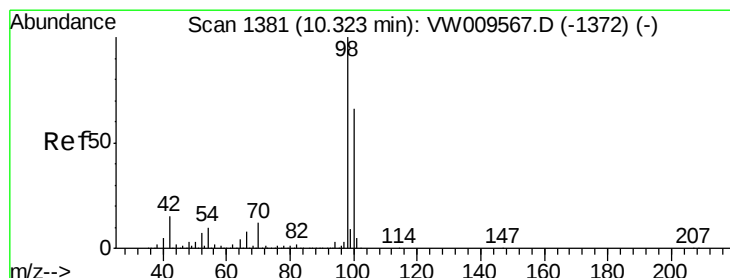
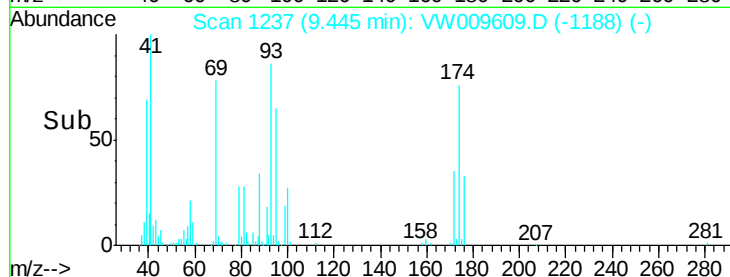
Abundance

Ion 88.00 (87.70 to 88.70): VW

Ion 43.00 (42.70 to 43.70): VW

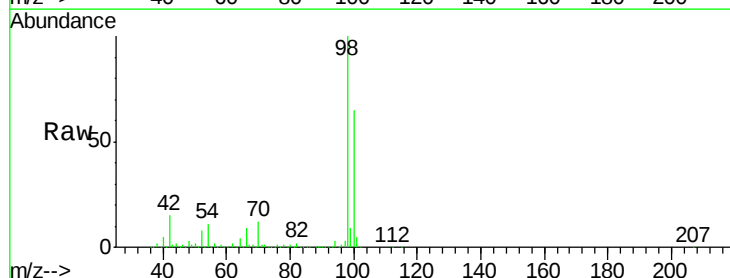
Ion 58.00 (57.70 to 58.70): VW

Time-->



#50
Toluene-d8
Concen: 51.496 ug/l
RT: 10.32 min Scan# 1381
Delta R.T. -0.00 min
Lab File: VW009609.D
Acq: 31 Mar 2019 14:31

Tgt Ion	98	Resp	551283
Ion Ratio	Lower	Upper	
98	100		
100	65.3	52.6	79.0

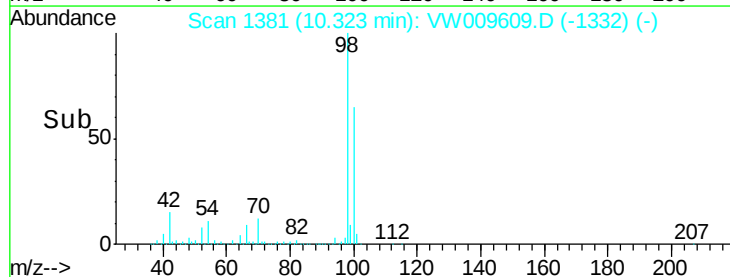


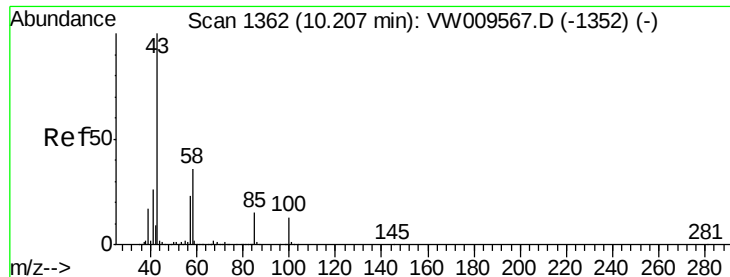
Abundance

Ion 98.00 (97.70 to 98.70): VW

Ion 100.00 (99.70 to 100.70): VW

Time-->





#51

4-Methyl-2-Pentanone

Concen: 101.621 ug/l

RT: 10.21 min Scan# 1362

Delta R.T. -0.00 min

Lab File: VW009609.D

Acq: 31 Mar 2019 14:31

Instrument :

MSVOA_W

ClientSampleId :

VW0331SBS01

Tot Ion: 43 Resp: 241465

Ion Ratio Lower Upper

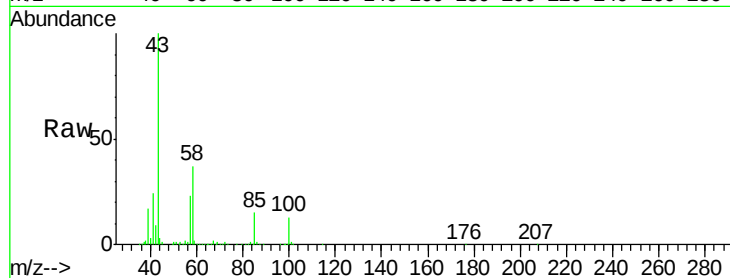
43 100

58 35.2 28.6 42.8

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Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW

10.21

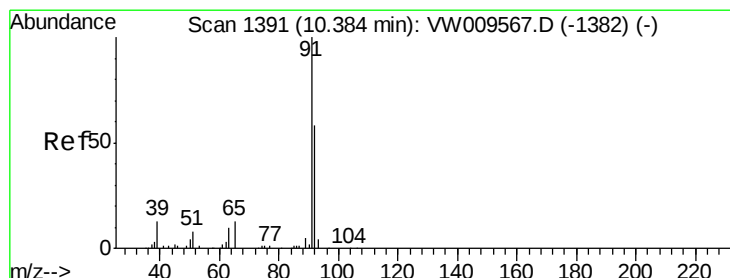
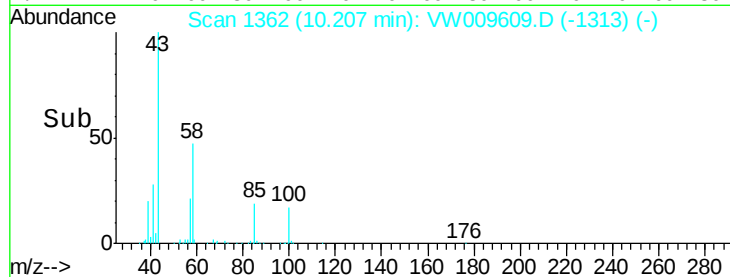
150000

100000

50000

0

Time--> 10.10 10.20 10.30



#52

Toluene

Concen: 19.868 ug/l

RT: 10.38 min Scan# 1391

Delta R.T. -0.00 min

Lab File: VW009609.D

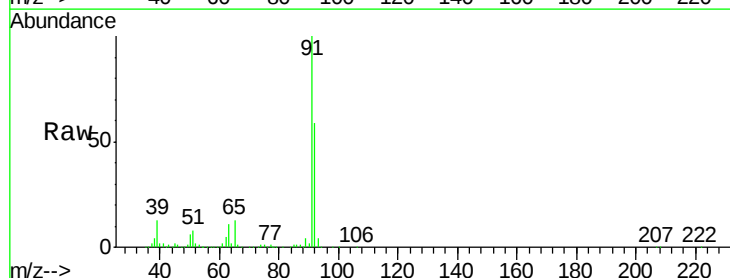
Acq: 31 Mar 2019 14:31

Tgt Ion: 92 Resp: 160749

Ion Ratio Lower Upper

92 100

91 170.6 140.1 210.1



Abundance Ion 92.00 (91.70 to 92.70): VW

Ion 91.00 (90.70 to 91.70): VW

10.38

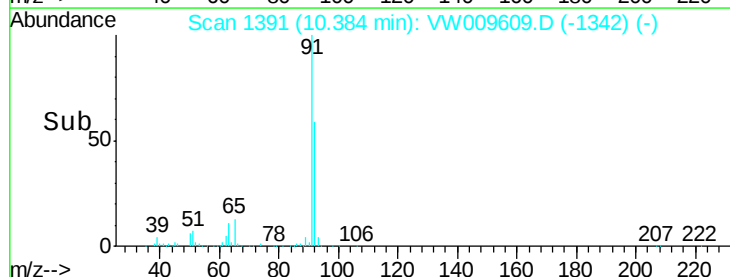
150000

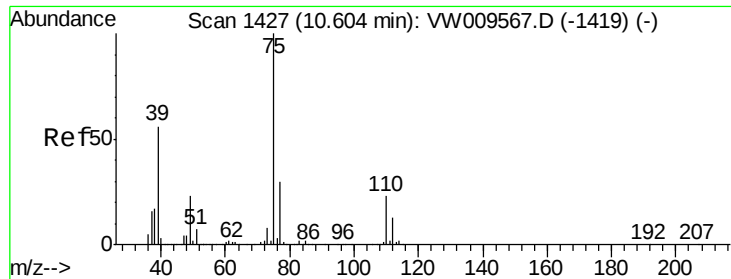
100000

50000

0

Time--> 10.30 10.40 10.50





#53

t-1,3-Dichloropropene

Concen: 19.279 ug/l

RT: 10.60 min Scan# 1427

Delta R.T. -0.00 min

Lab File: VW009609.D

Acq: 31 Mar 2019 14:31

Instrument :

MSVOA_W

ClientSampleId :

VW0331SBS01

Tot Ion: 75 Resp: 86264

Ion Ratio Lower Upper

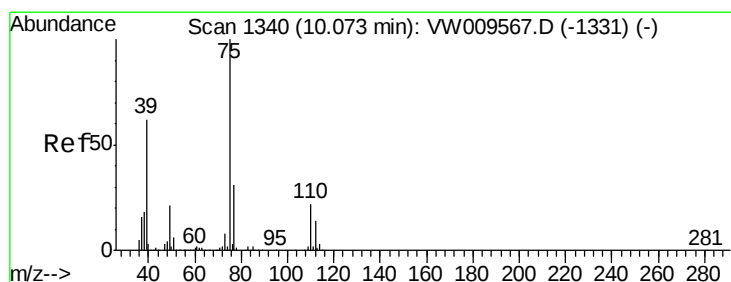
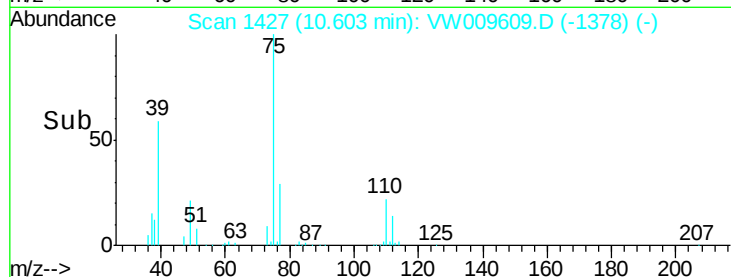
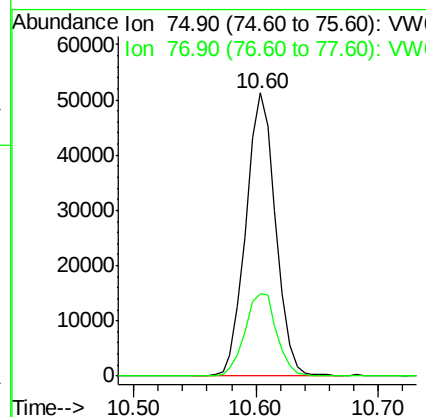
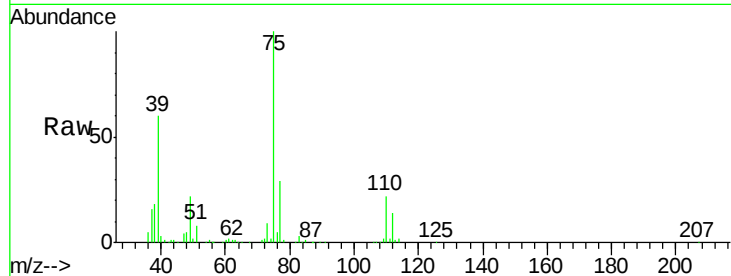
75 100

77 29.3 24.8 37.2

Manual Integrations
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#54

cis-1,3-Dichloropropene

Concen: 19.307 ug/l

RT: 10.07 min Scan# 1339

Delta R.T. -0.01 min

Lab File: VW009609.D

Acq: 31 Mar 2019 14:31

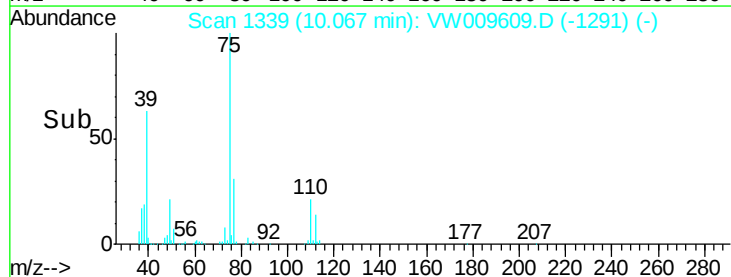
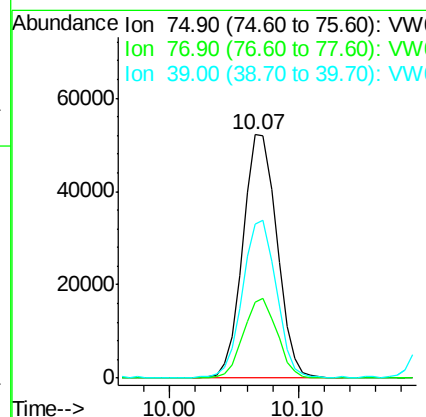
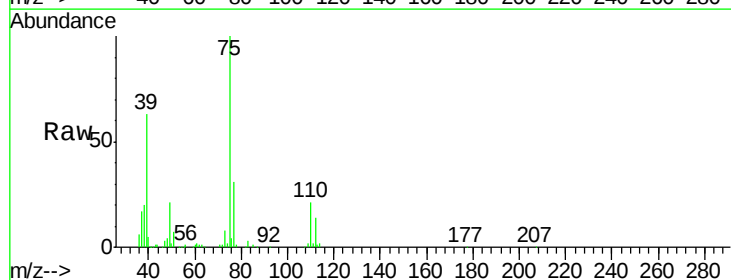
Tgt Ion: 75 Resp: 95783

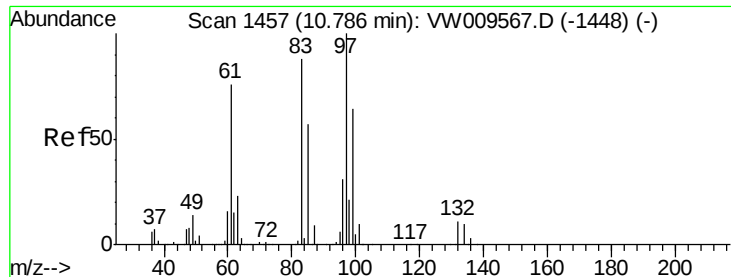
Ion Ratio Lower Upper

75 100

77 31.2 25.9 38.9

39 62.9 46.8 70.2





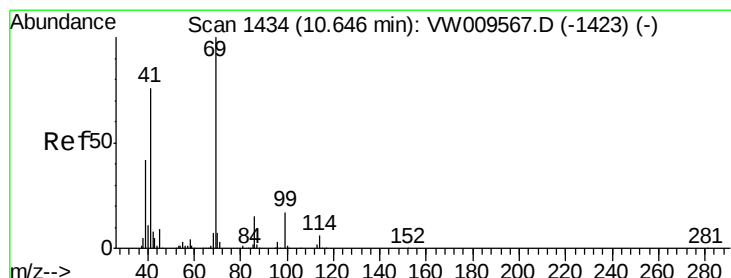
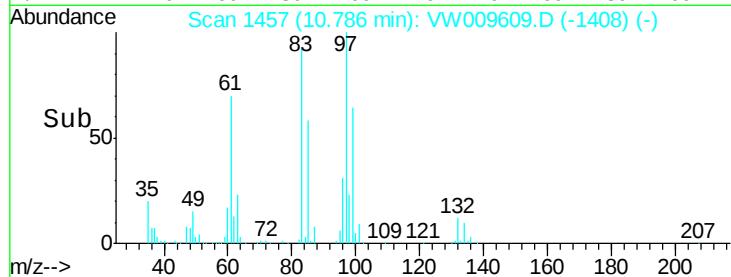
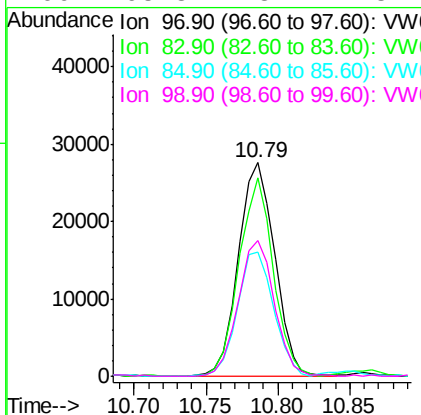
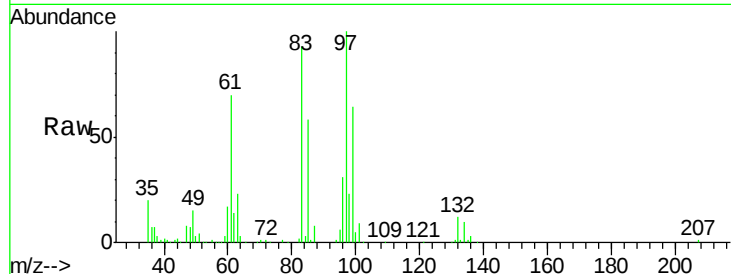
#55
 1,1,2-Trichloroethane
 Concen: 19.953 ug/l
 RT: 10.79 min Scan# 1457
 Delta R.T. -0.00 min
 Lab File: VW009609.D
 Acq: 31 Mar 2019 14:31

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0331SBS01

Tot Ion	Ion	Ratio	Resp	Lower	Upper
97	100		48316		
83	92.7	66.3	99.5		
85	58.2	41.4	62.2		
99	63.8	48.7	73.1		

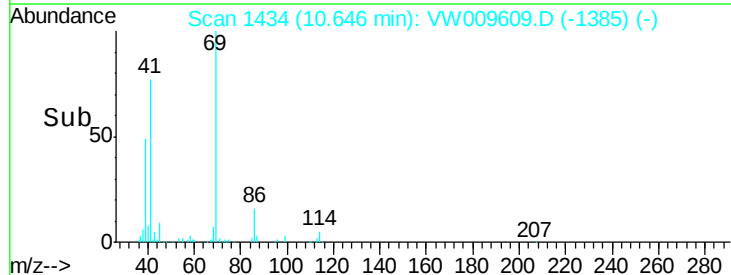
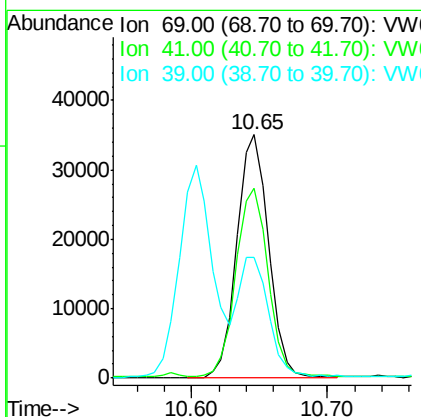
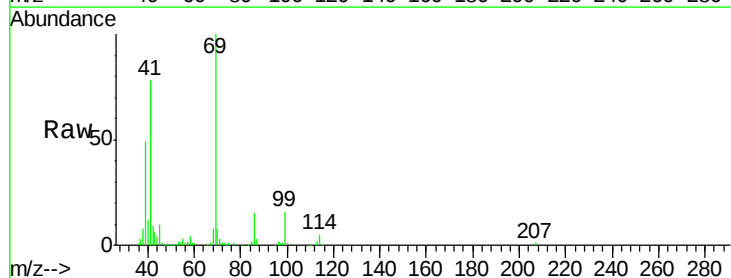
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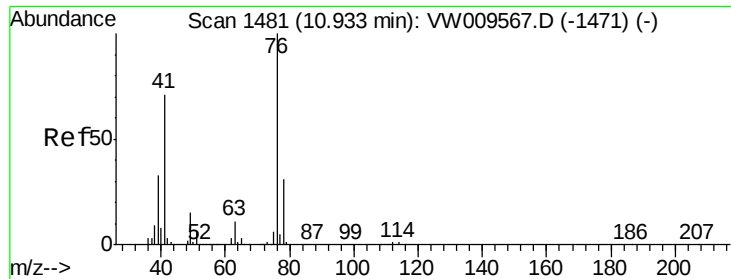
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 4/1/2019 5:30:25 PM



#56
 Ethyl methacrylate
 Concen: 19.608 ug/l
 RT: 10.65 min Scan# 1434
 Delta R.T. -0.00 min
 Lab File: VW009609.D
 Acq: 31 Mar 2019 14:31

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
69	100		57385		
41	78.4	59.3	88.9		
39	46.4	36.2	54.2		





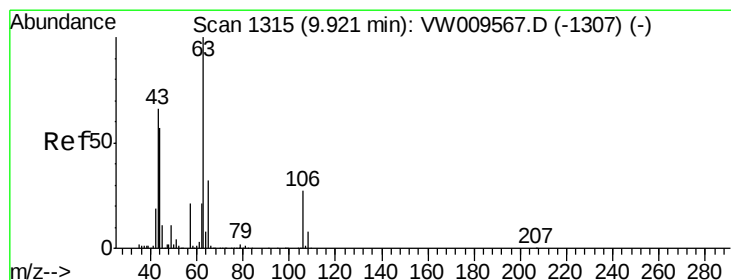
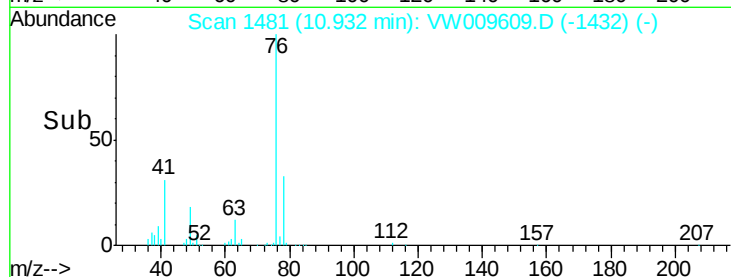
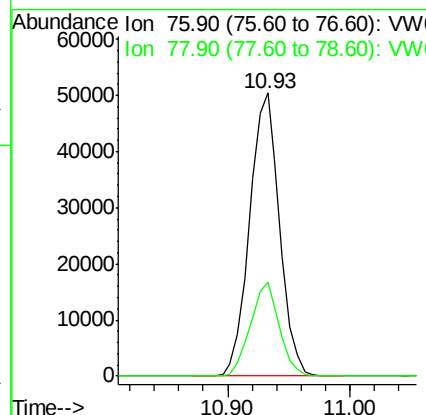
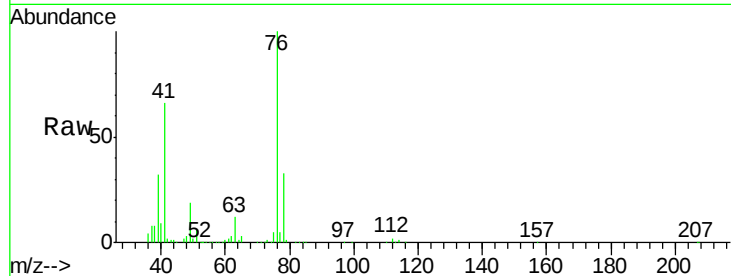
#57
 1,3-Dichloropropane
 Concen: 19.909 ug/l
 RT: 10.93 min Scan# 1481
 Delta R.T. -0.00 min
 Lab File: VW009609.D
 Acq: 31 Mar 2019 14:31

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0331SBSD01

Tot Ion	Ratio	Lower	Upper
76	100		
78	32.3	25.8	38.6

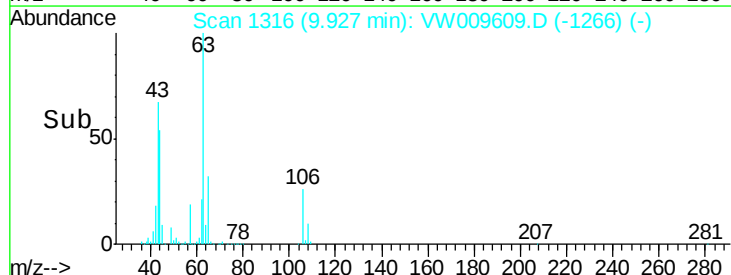
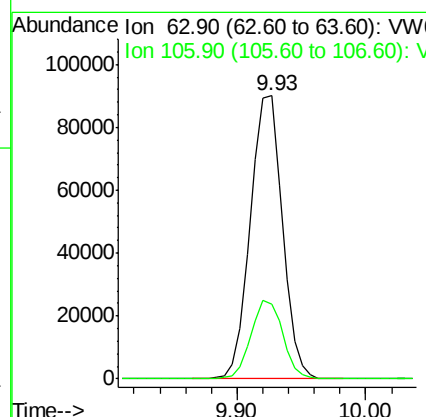
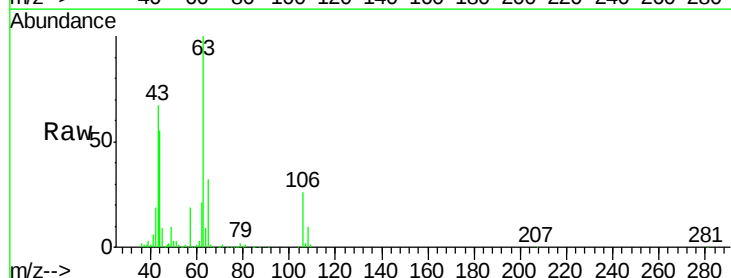
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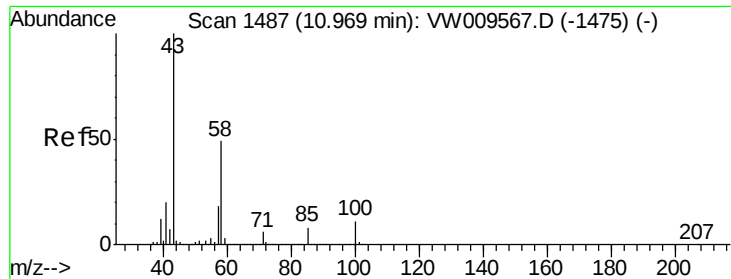
MMDadoda
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#58
 2-Chloroethyl Vinyl ether
 Concen: 106.121 ug/l
 RT: 9.93 min Scan# 1316
 Delta R.T. 0.01 min
 Lab File: VW009609.D
 Acq: 31 Mar 2019 14:31

Tgt Ion	Ratio	Lower	Upper
63	100		
106	27.5	22.9	34.3





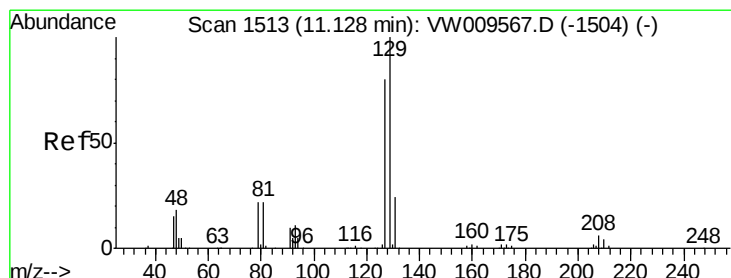
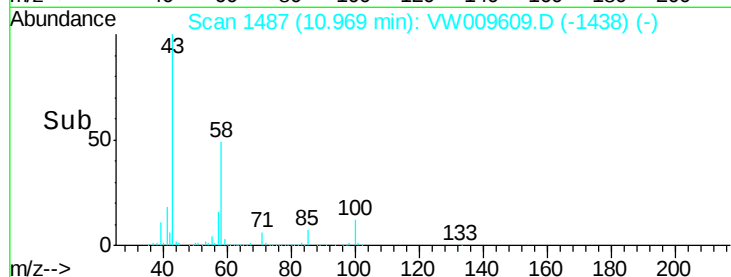
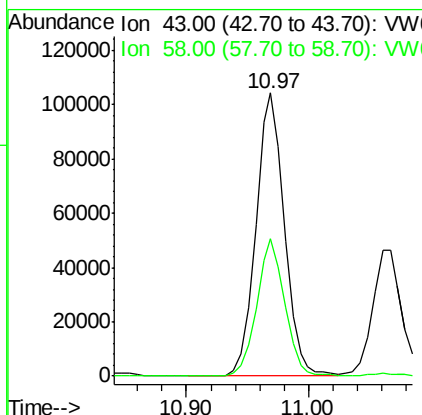
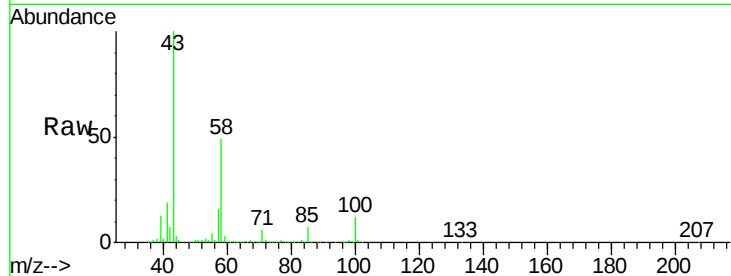
#59
2-Hexanone
Concen: 102.374 ug/l
RT: 10.97 min Scan# 1487
Delta R.T. -0.00 min
Lab File: VW009609.D
Acq: 31 Mar 2019 14:31

Instrument :
MSVOA_W
ClientSampleId :
VW0331SBS01

Tot Ion: 43 Resp: 168350
Ion Ratio Lower Upper
43 100
58 47.8 24.2 72.6

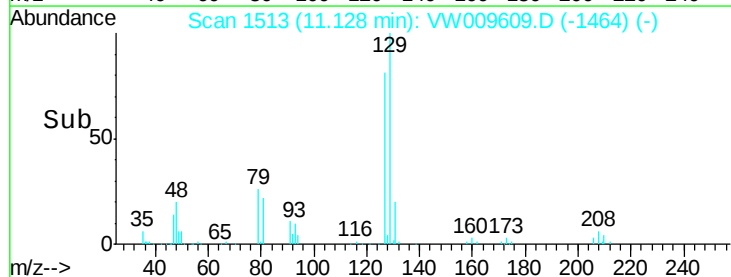
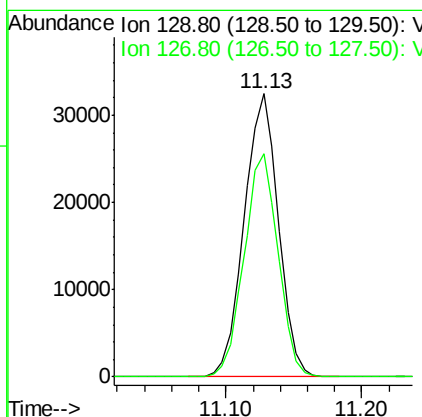
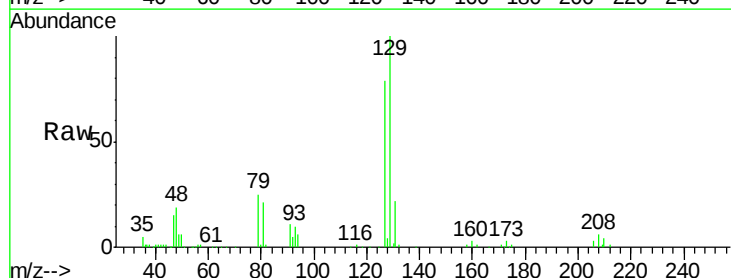
Manual Integrations
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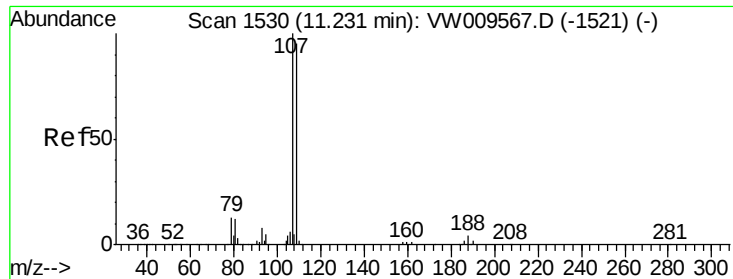
MMDadoda
4/1/2019 5:30:25 PM



#60
Dibromochloromethane
Concen: 19.552 ug/l
RT: 11.13 min Scan# 1513
Delta R.T. -0.00 min
Lab File: VW009609.D
Acq: 31 Mar 2019 14:31

Tgt Ion: 129 Resp: 57166
Ion Ratio Lower Upper
129 100
127 78.1 38.1 114.5





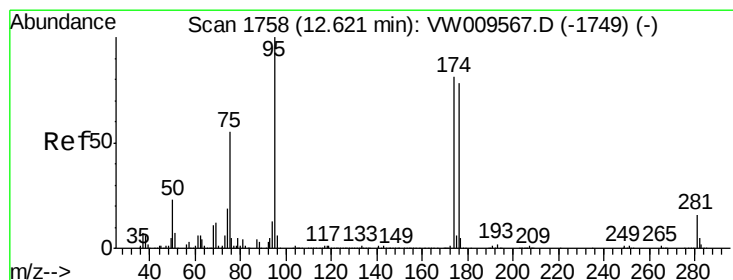
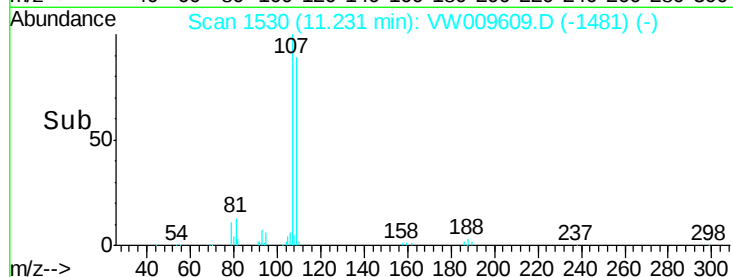
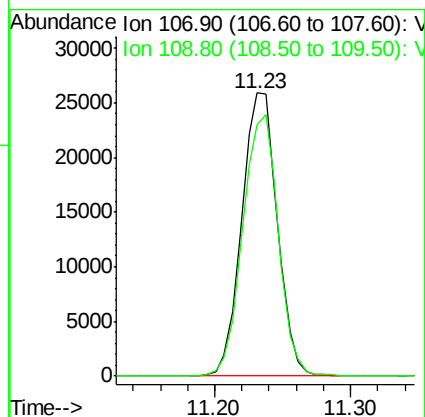
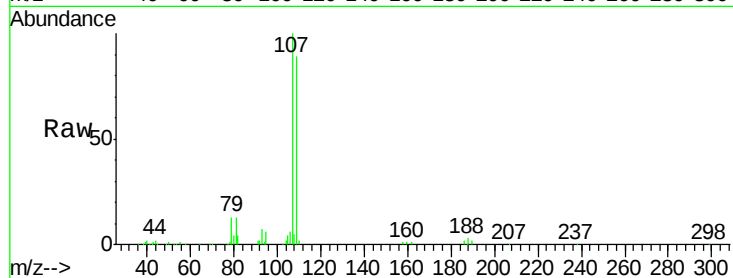
#61
 1,2-Dibromoethane
 Concen: 20.375 ug/l
 RT: 11.23 min Scan# 1530
 Delta R.T. -0.00 min
 Lab File: VW009609.D
 Acq: 31 Mar 2019 14:31

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0331SBSD01

Tot Ion	Ratio	Lower	Upper
107	100		
109	92.5	75.1	112.7

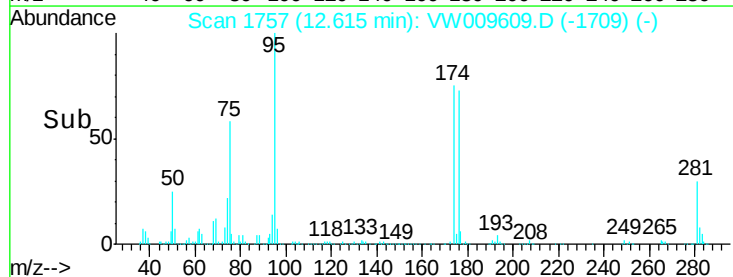
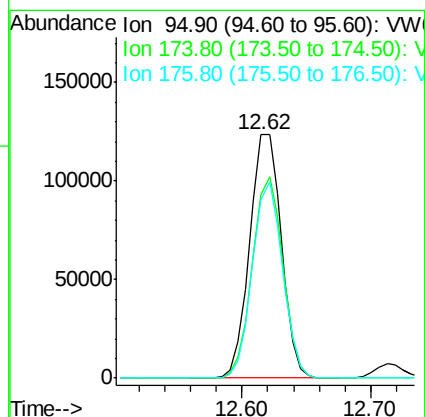
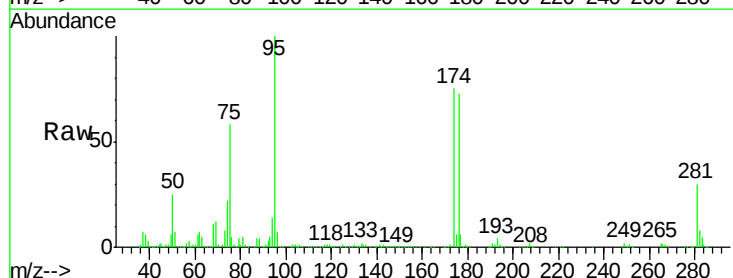
Manual Integrations
 APPROVED

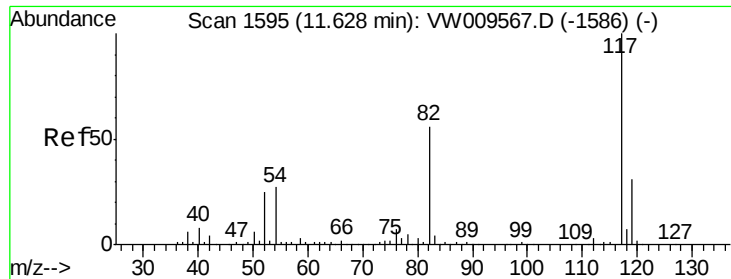
MMDadoda
 4/1/2019 5:30:25 PM



#62
 4-Bromofluorobenzene
 Concen: 52.375 ug/l
 RT: 12.62 min Scan# 1757
 Delta R.T. -0.01 min
 Lab File: VW009609.D
 Acq: 31 Mar 2019 14:31

Tgt Ion	Ratio	Lower	Upper
95	100		
174	80.1	0.0	168.4
176	77.0	0.0	161.6





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.63 min Scan# 1595

Delta R.T. -0.00 min

Lab File: VW009609.D

Acq: 31 Mar 2019 14:31

Instrument :

MSVOA_W

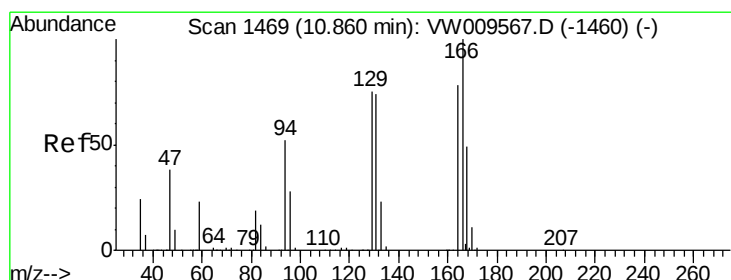
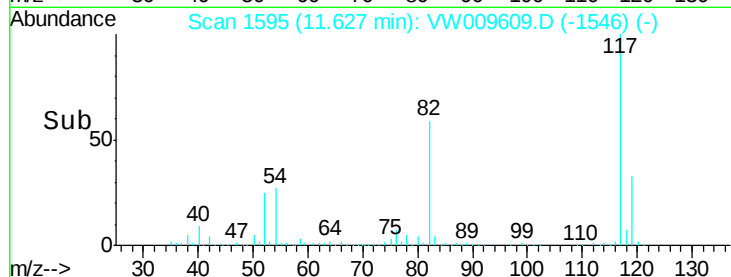
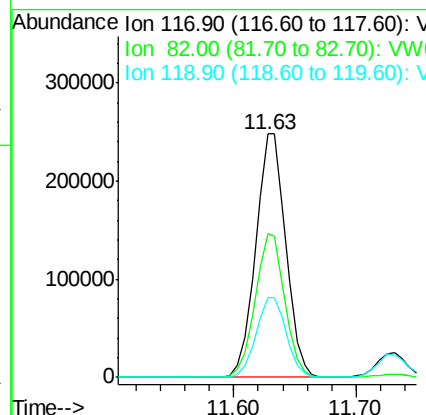
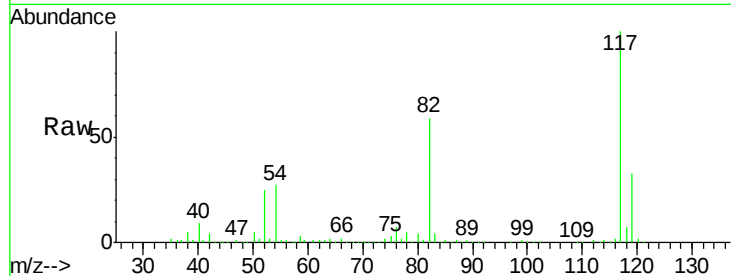
ClientSampleId :

VW0331SBS01

Tot Ion:	117	Resp:	424441
Ion Ratio	Lower	Upper	
117	100		
82	58.9	43.6	65.4
119	32.7	26.0	39.0

Manual Integrations
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#64

Tetrachloroethene

Concen: 19.633 ug/l

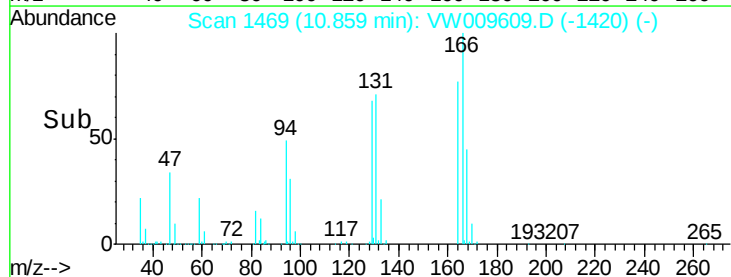
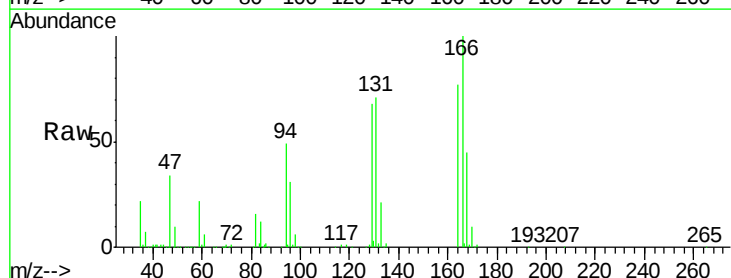
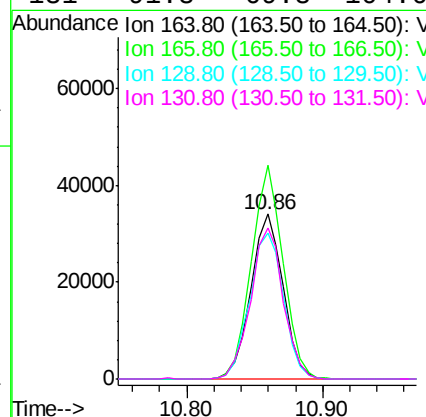
RT: 10.86 min Scan# 1469

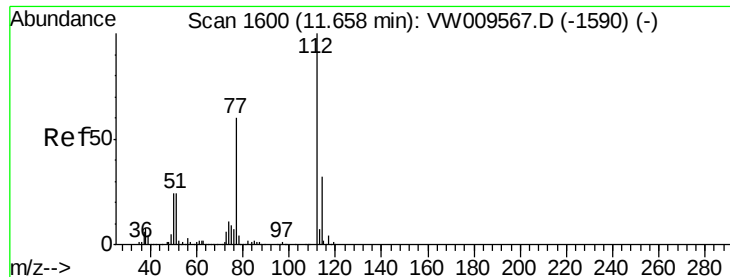
Delta R.T. -0.00 min

Lab File: VW009609.D

Acq: 31 Mar 2019 14:31

Tgt Ion:	164	Resp:	56579
Ion Ratio	Lower	Upper	
164	100		
166	129.8	100.9	151.3
129	88.5	72.0	108.0
131	91.8	69.8	104.6





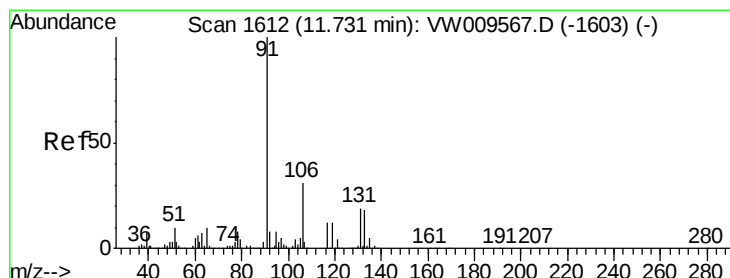
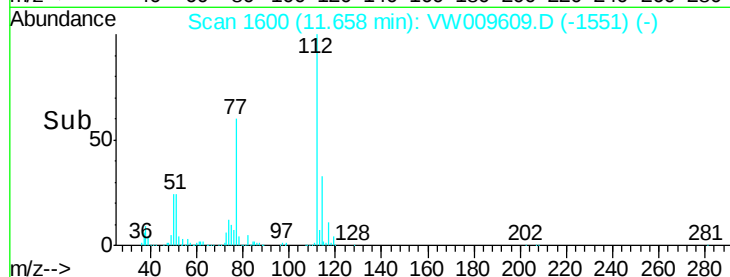
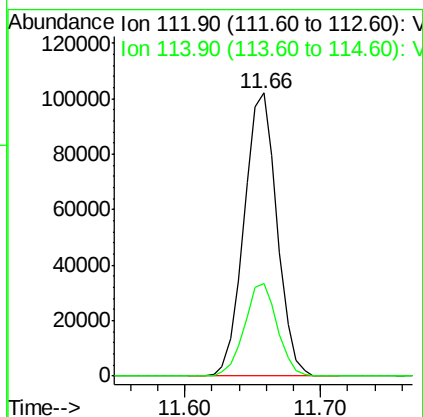
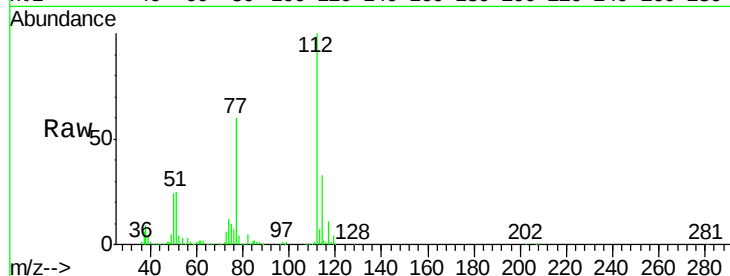
#65
Chlorobenzene
Concen: 19.339 ug/l
RT: 11.66 min Scan# 1600
Delta R.T. -0.00 min
Lab File: VW009609.D
Acq: 31 Mar 2019 14:31

Instrument :
MSVOA_W
ClientSampleId :
VW0331SBS01

Tot Ion	Ratio	Lower	Upper
112	100		
114	32.6	25.6	38.4

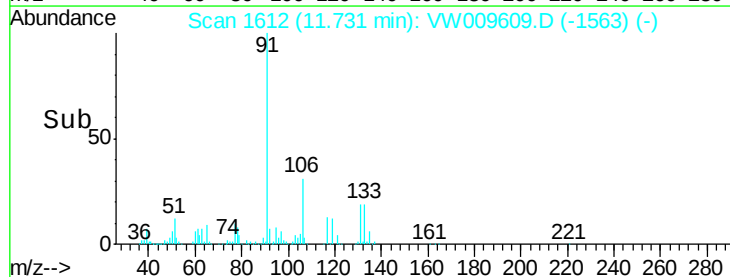
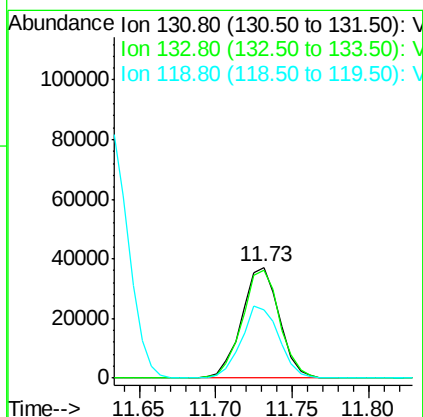
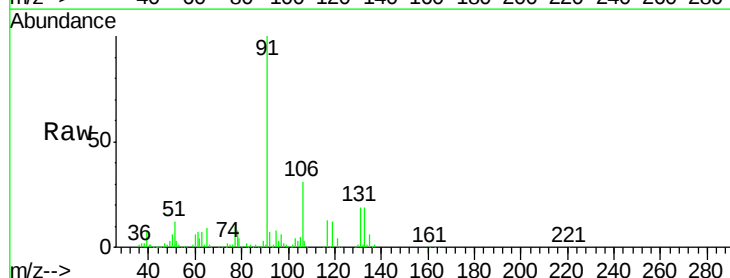
Manual Integrations
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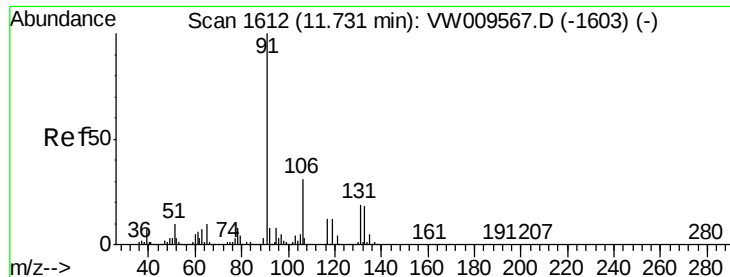
MMDadoda
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#66
1,1,1,2-Tetrachloroethane
Concen: 19.453 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. -0.00 min
Lab File: VW009609.D
Acq: 31 Mar 2019 14:31

Tgt Ion	Ratio	Lower	Upper
131	100		
133	97.3	47.3	141.8
119	64.9	31.6	95.0





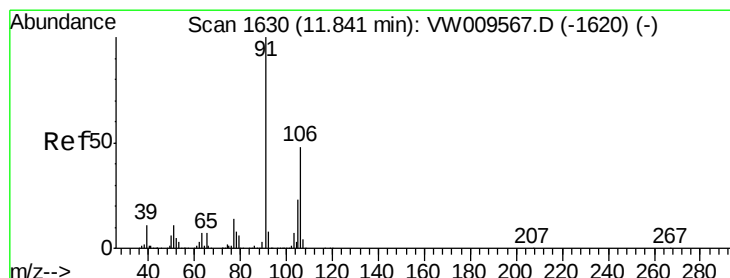
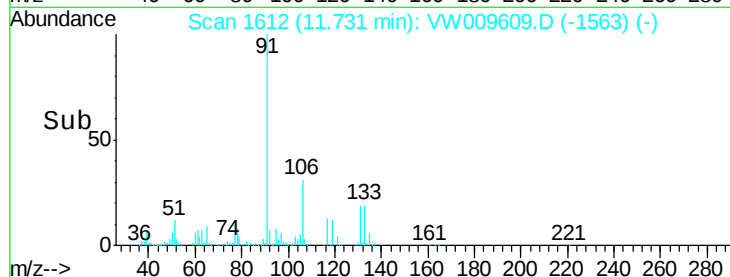
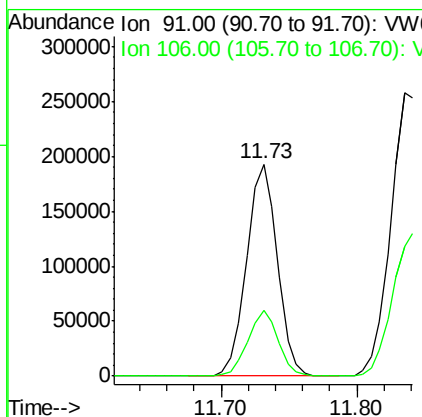
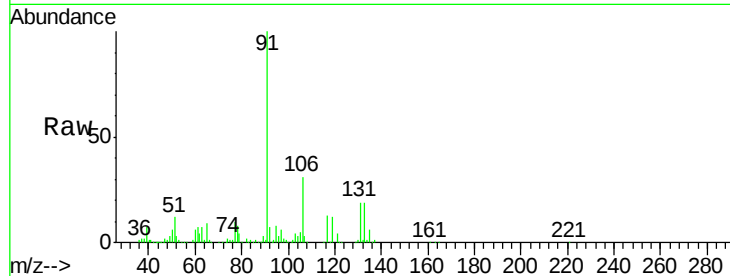
#67
Ethyl Benzene
Concen: 19.368 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. -0.00 min
Lab File: VW009609.D
Acq: 31 Mar 2019 14:31

Instrument :
MSVOA_W
ClientSampleId :
VW0331SBS01

Tot Ion: 91 Resp: 305034
Ion Ratio Lower Upper
91 100
106 31.3 24.6 36.8

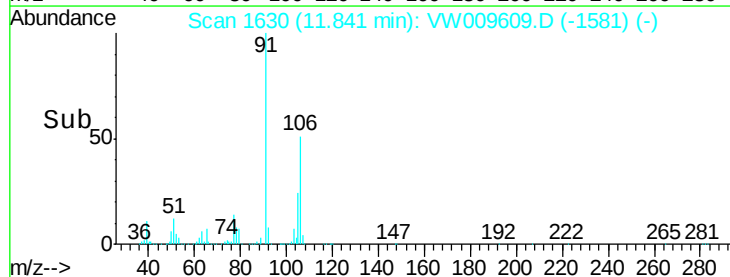
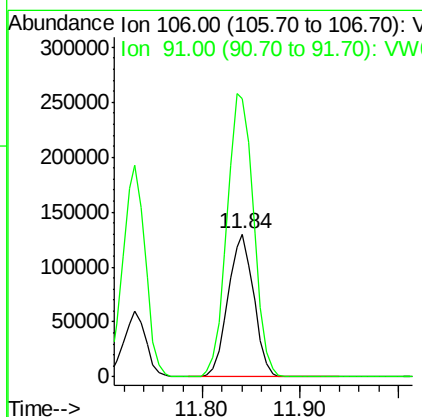
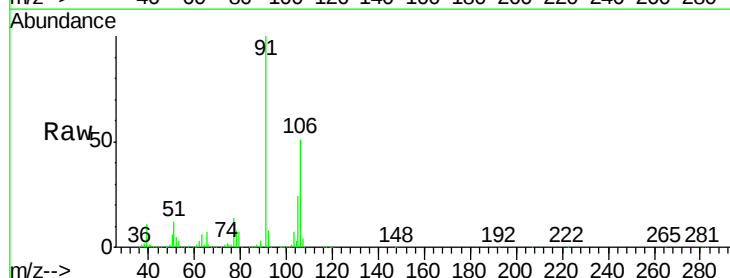
Manual Integrations
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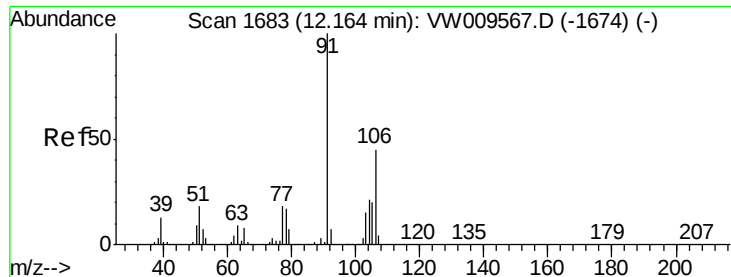
MMDadoda
4/1/2019 5:30:25 PM



#68
m/p-Xylenes
Concen: 39.383 ug/l
RT: 11.84 min Scan# 1630
Delta R.T. -0.00 min
Lab File: VW009609.D
Acq: 31 Mar 2019 14:31

Tgt Ion: 106 Resp: 235517
Ion Ratio Lower Upper
106 100
91 206.4 163.1 244.7





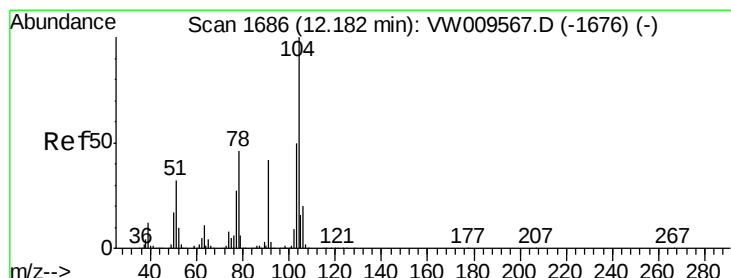
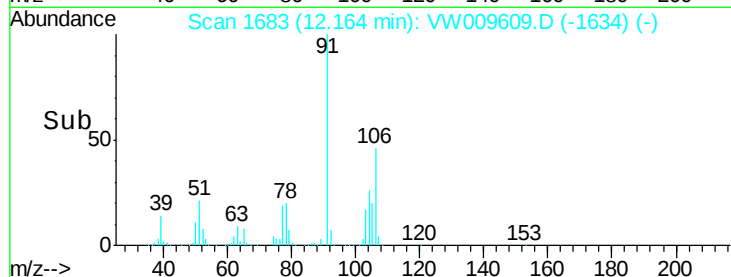
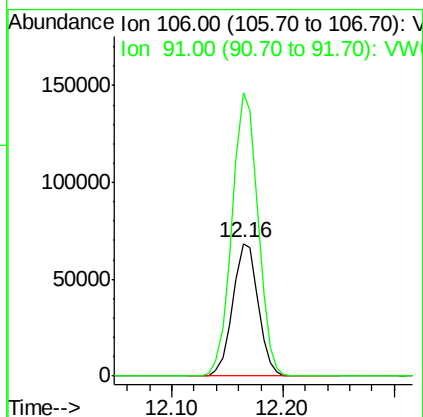
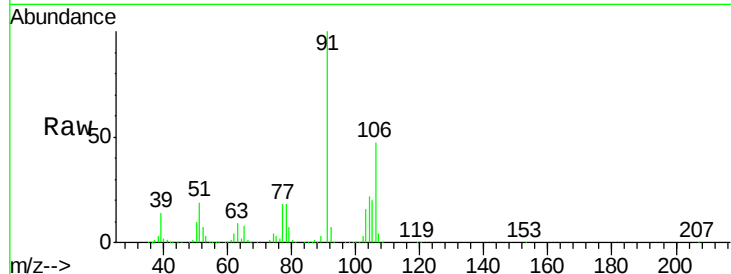
#69
o-Xylene
Concen: 19.500 ug/l
RT: 12.16 min Scan# 1683
Delta R.T. -0.00 min
Lab File: VW009609.D
Acq: 31 Mar 2019 14:31

Instrument :
MSVOA_W
ClientSampleId :
VW0331SBS01

Tot Ion	Ion	Ratio	Resp	Lower	Upper
106	100		108596		
91	217.7	108.6	325.8		

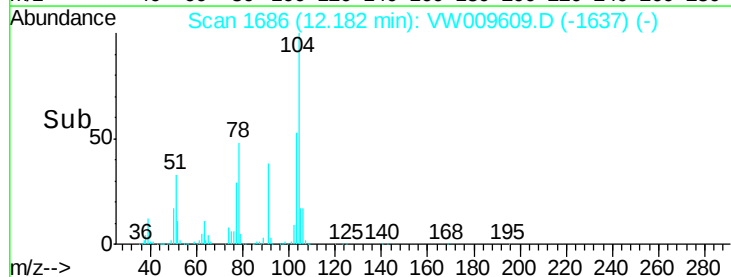
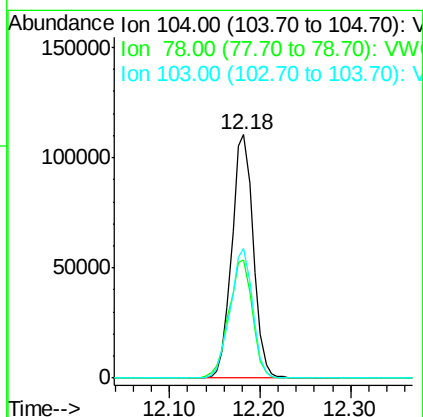
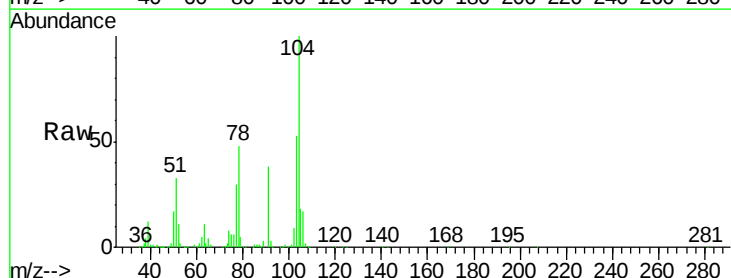
Manual Integrations
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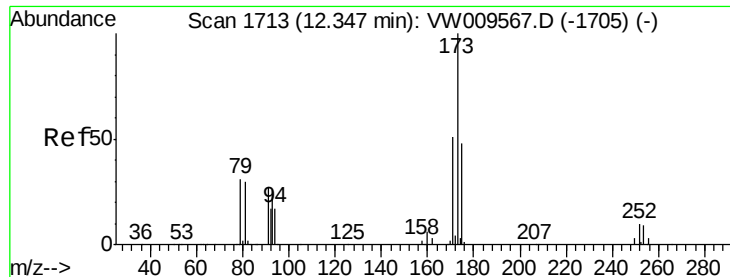
MMDadoda
4/1/2019 5:30:25 PM



#70
Styrene
Concen: 19.545 ug/l
RT: 12.18 min Scan# 1686
Delta R.T. -0.00 min
Lab File: VW009609.D
Acq: 31 Mar 2019 14:31

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
104	100		181808		
78	53.4	42.2	63.4		
103	55.6	44.6	66.8		





#71

Bromoform

Concen: 19.358 ug/l

RT: 12.35 min Scan# 1713

Delta R.T. -0.00 min

Lab File: VW009609.D

Acq: 31 Mar 2019 14:31

Instrument :

MSVOA_W

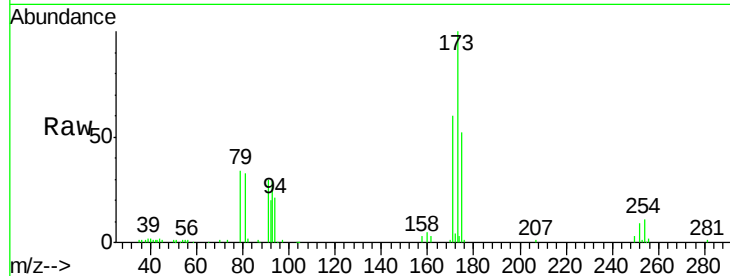
ClientSampleId :

VW0331SBS01

Tot Ion	Ratio	Lower	Upper
173	100		
175	50.3	24.1	72.4
254	0.1	0.2	0.4

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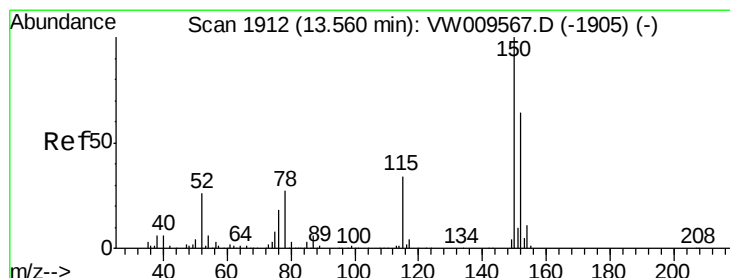
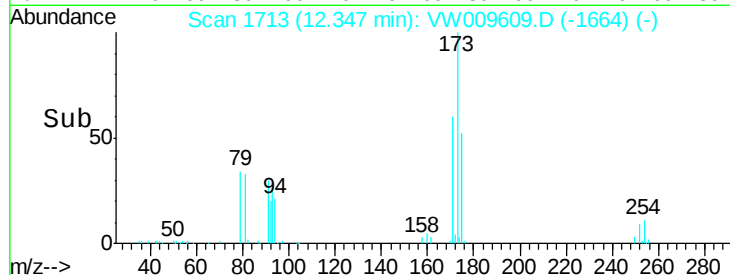
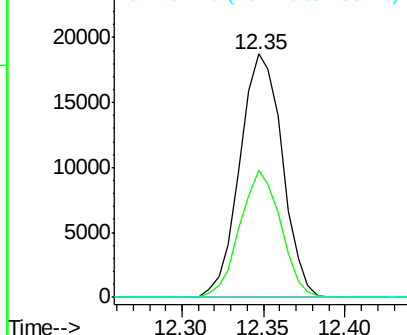


Abundance

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

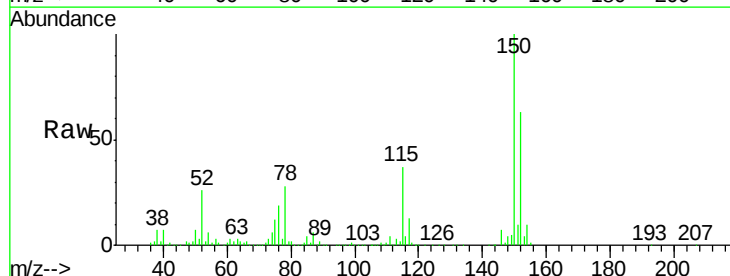
RT: 13.56 min Scan# 1912

Delta R.T. -0.00 min

Lab File: VW009609.D

Acq: 31 Mar 2019 14:31

Tgt Ion	Ratio	Lower	Upper
152	100		
115	58.8	29.6	88.8
150	163.2	0.0	349.2

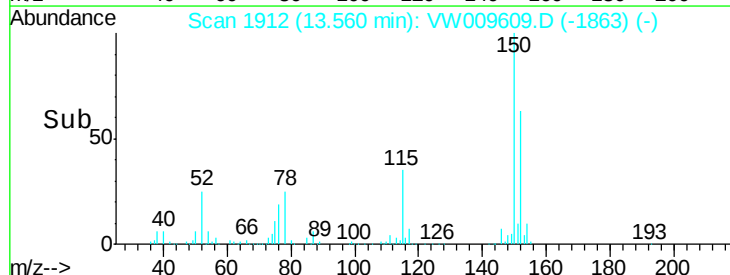
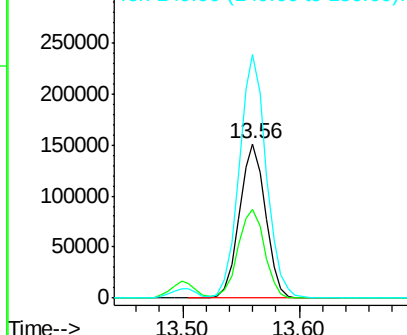


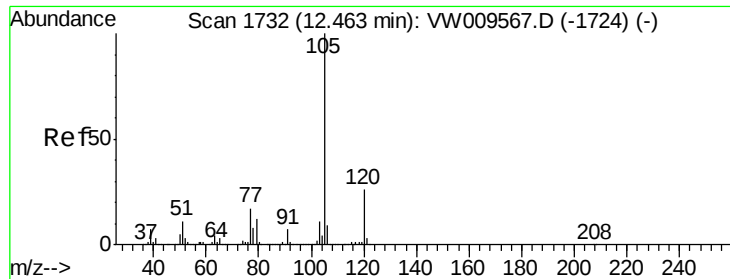
Abundance

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: 18.755 ug/l

RT: 12.46 min Scan# 1732

Delta R.T. -0.00 min

Lab File: VW009609.D

Acq: 31 Mar 2019 14:31

Instrument :

MSVOA_W

ClientSampleId :

VW0331SBS01

Tot Ion: 105 Resp: 308068

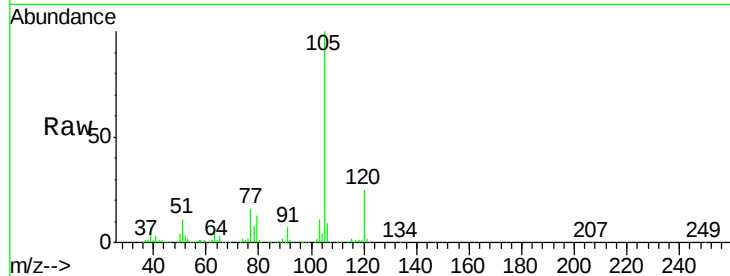
Ion Ratio Lower Upper

105 100

120 25.6 13.0 39.0

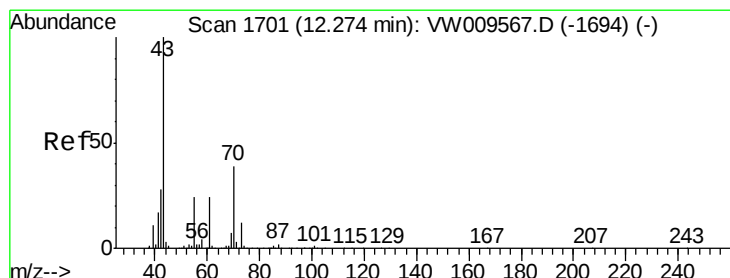
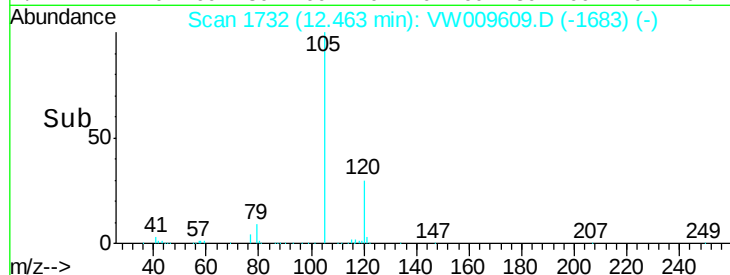
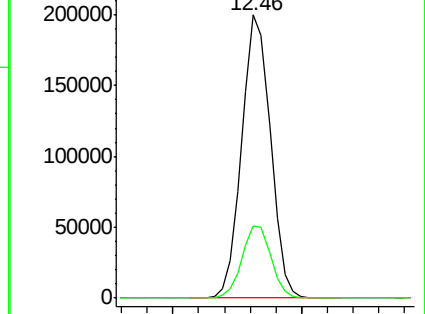
Manual Integrations
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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 19.941 ug/l

RT: 12.27 min Scan# 1701

Delta R.T. -0.00 min

Lab File: VW009609.D

Acq: 31 Mar 2019 14:31

Tgt Ion: 43 Resp: 86351

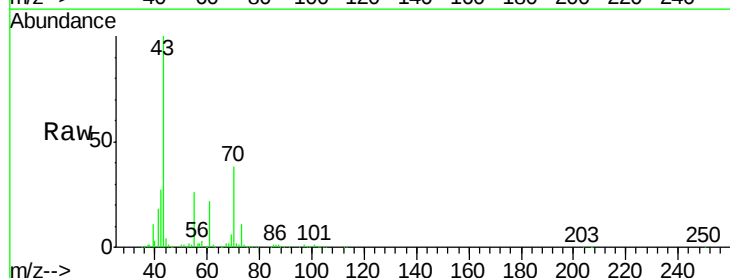
Ion Ratio Lower Upper

43 100

70 38.2 30.6 46.0

55 25.6 19.3 28.9

61 21.5 17.0 25.4

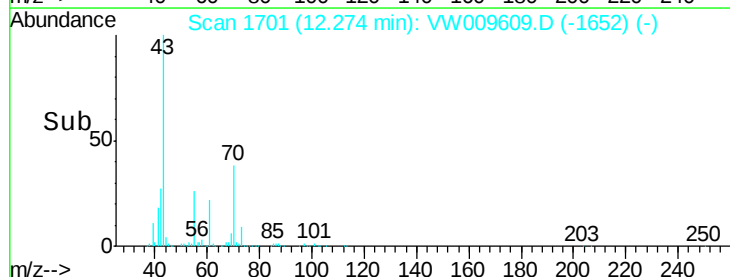
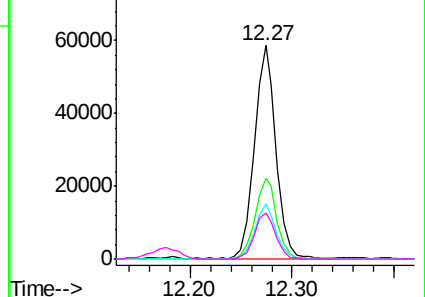


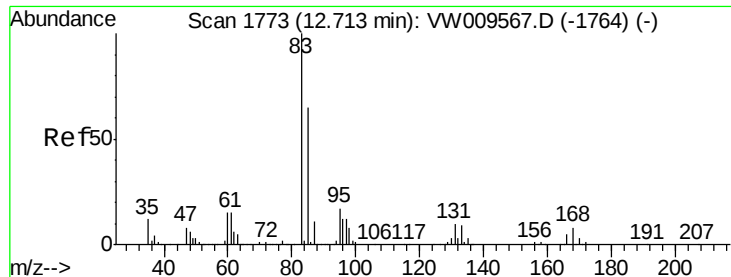
Abundance Ion 43.00 (42.70 to 43.70): VV

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: 19.826 ug/l

RT: 12.71 min Scan# 1773

Delta R.T. -0.00 min

Lab File: VW009609.D

Acq: 31 Mar 2019 14:31

Instrument :

MSVOA_W

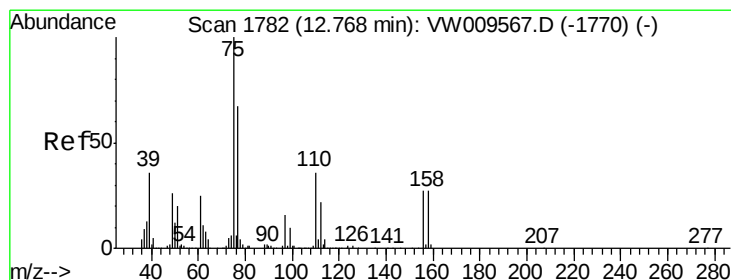
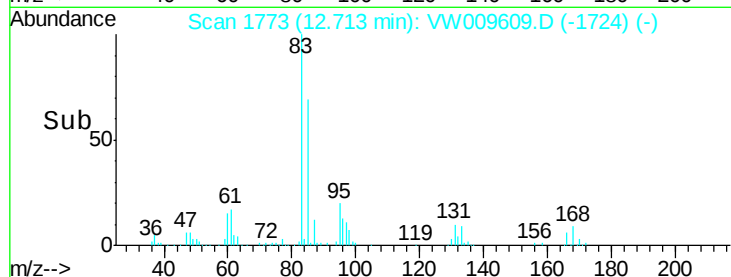
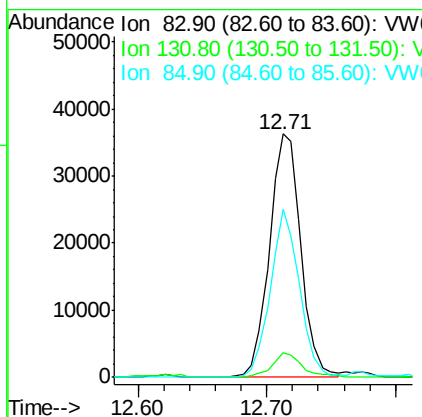
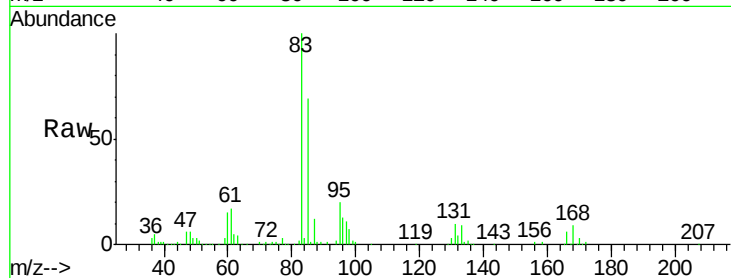
ClientSampleId :

VW0331SBSD01

Tot Ion:	83	Resp:	61586
Ion Ratio	Lower	Upper	
83	100		
131	9.8	5.3	16.1
85	64.2	32.6	97.8

Manual Integrations
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#76

1,2,3-Trichloropropane

Concen: 23.651 ug/l m

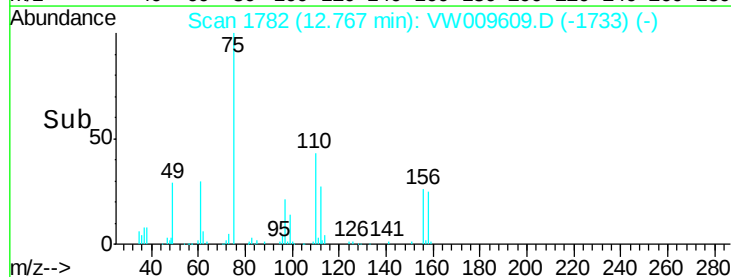
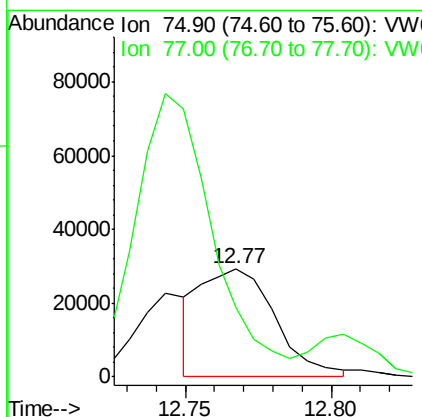
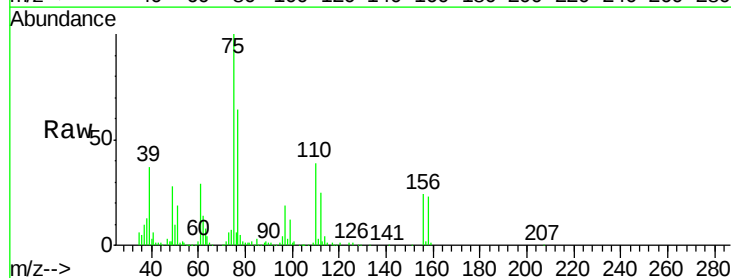
RT: 12.77 min Scan# 1782

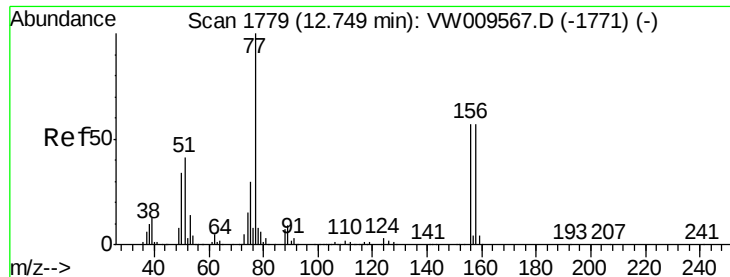
Delta R.T. -0.00 min

Lab File: VW009609.D

Acq: 31 Mar 2019 14:31

Tgt Ion:	75	Resp:	52496
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





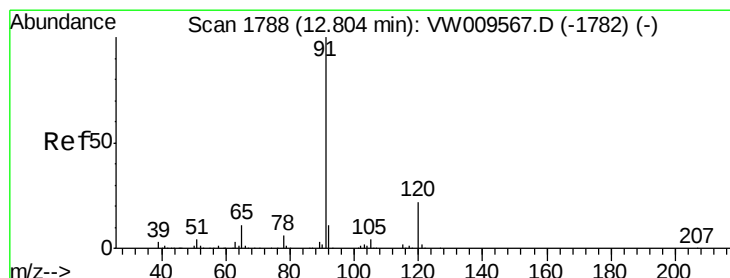
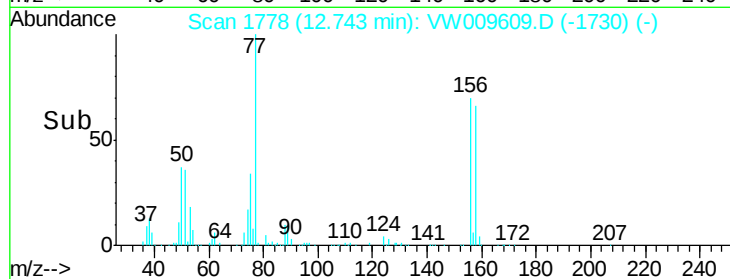
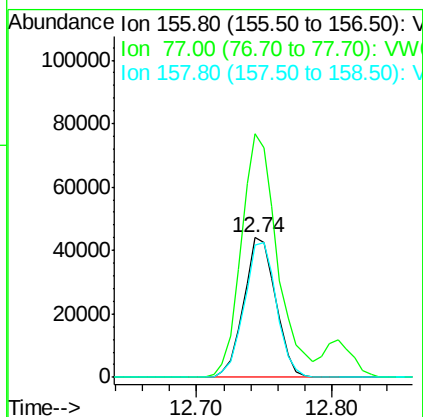
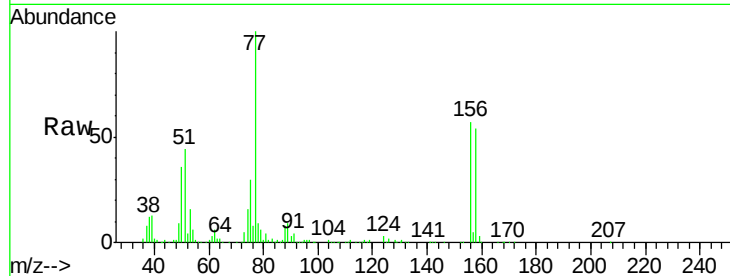
#77
Bromobenzene
Concen: 19.140 ug/l
RT: 12.74 min Scan# 1778
Delta R.T. -0.01 min
Lab File: VW009609.D
Acq: 31 Mar 2019 14:31

Instrument :
MSVOA_W
ClientSampled :
VW0331SBS01

Tot Ion	Ratio	Lower	Upper
156	100		
77	196.5	96.0	288.0
158	97.6	49.1	147.3

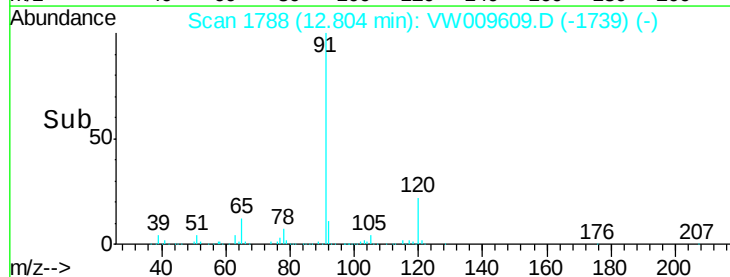
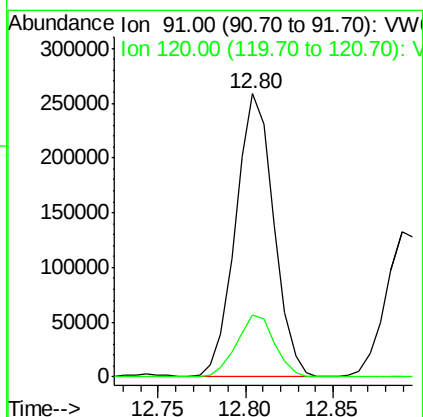
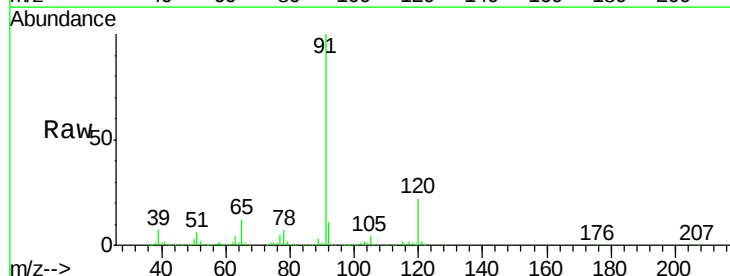
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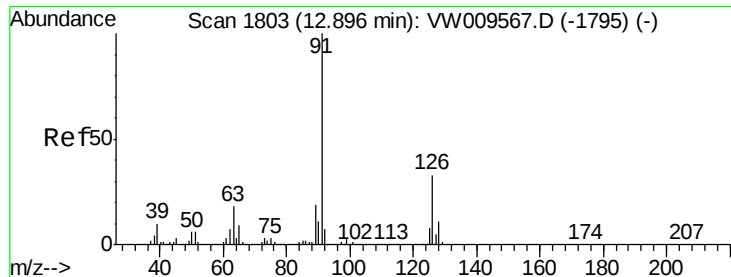
MMDadoda
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#78
n-propylbenzene
Concen: 19.294 ug/l
RT: 12.80 min Scan# 1788
Delta R.T. -0.00 min
Lab File: VW009609.D
Acq: 31 Mar 2019 14:31

Tgt Ion	Ratio	Lower	Upper
91	100		
120	21.9	11.1	33.3





#79

2-Chlorotoluene

Concen: 18.982 ug/l

RT: 12.89 min Scan# 1802

Delta R.T. -0.01 min

Lab File: VW009609.D

Acq: 31 Mar 2019 14:31

Instrument :

MSVOA_W

ClientSampleId :

VW0331SBS01

Tot Ion: 91 Resp: 218498

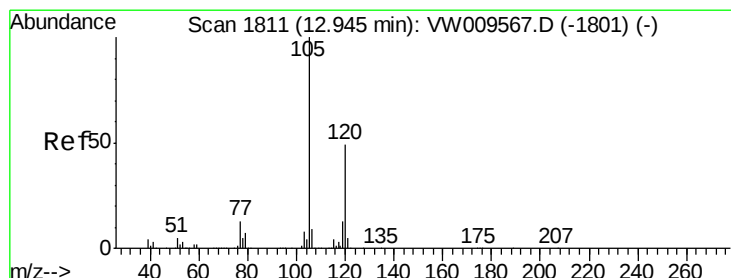
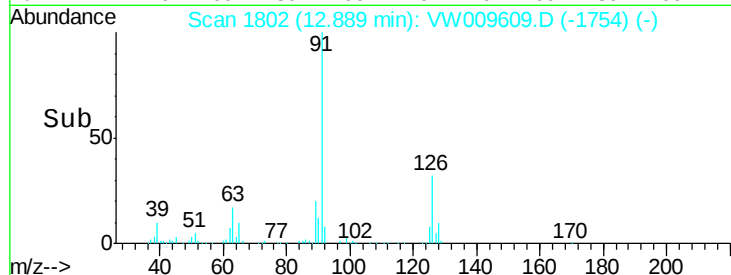
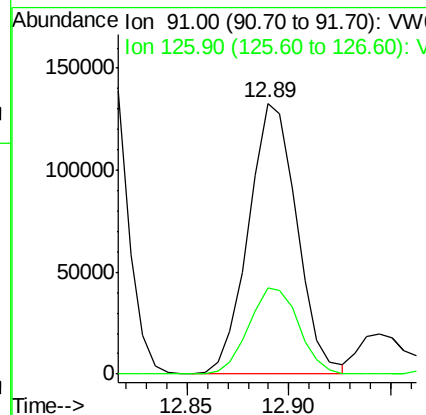
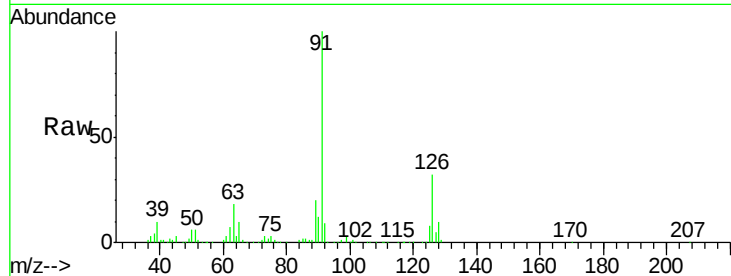
Ion Ratio Lower Upper

91 100

126 33.0 17.0 51.0

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#80

1,3,5-Trimethylbenzene

Concen: 19.431 ug/l

RT: 12.94 min Scan# 1811

Delta R.T. -0.00 min

Lab File: VW009609.D

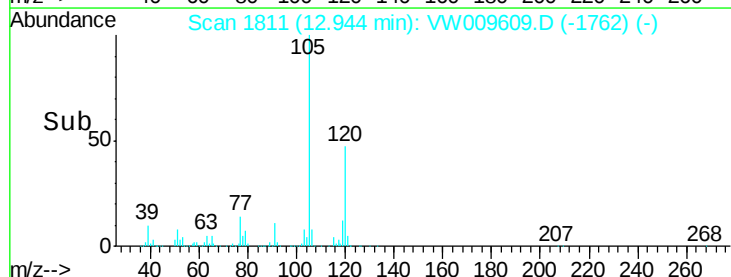
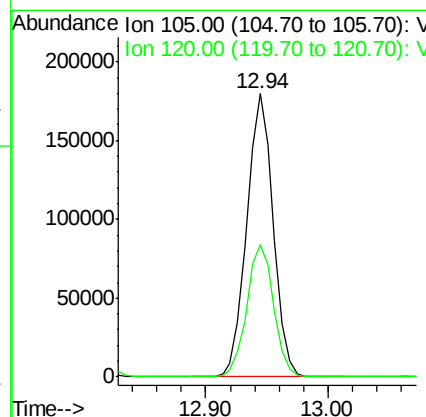
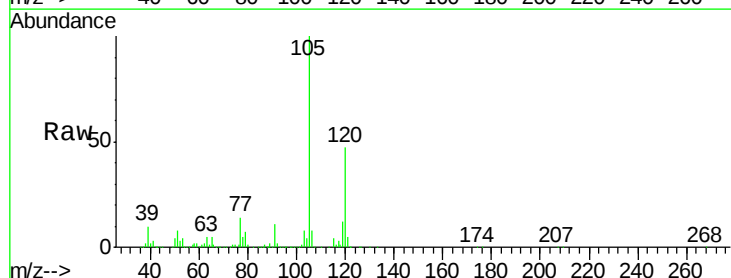
Acq: 31 Mar 2019 14:31

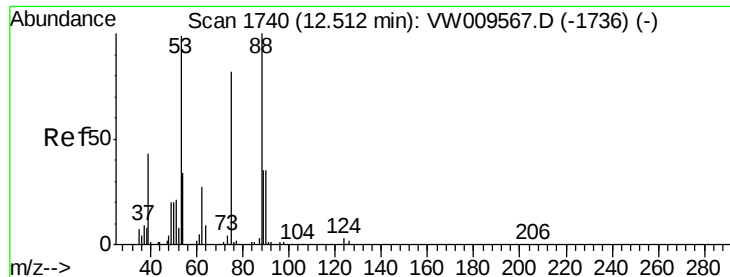
Tgt Ion: 105 Resp: 268796

Ion Ratio Lower Upper

105 100

120 47.3 24.6 74.0





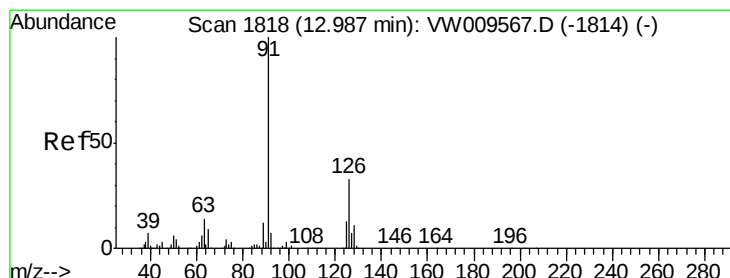
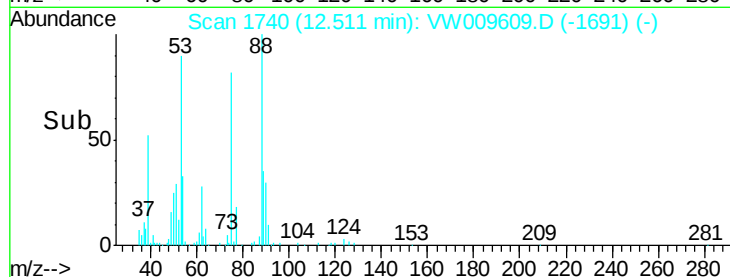
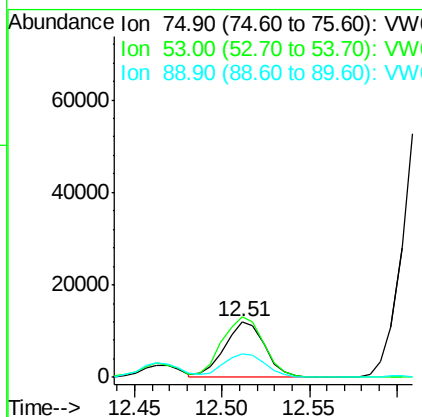
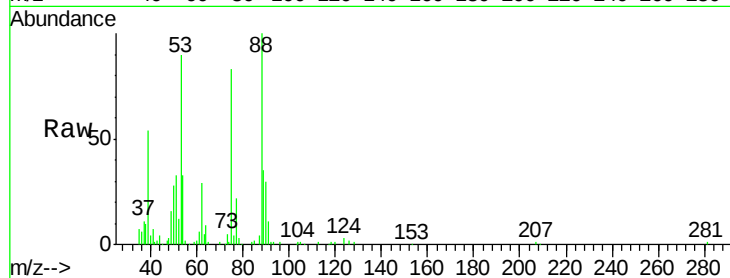
#81
trans-1,4-Dichloro-2-butene
Concen: 19.731 ug/l
RT: 12.51 min Scan# 1740
Delta R.T. -0.00 min
Lab File: VW009609.D
Acq: 31 Mar 2019 14:31

Instrument :
MSVOA_W
ClientSampleId :
VW0331SBSD01

Tot Ion	Ratio	Lower	Upper
75	100		
53	116.7	86.7	130.1
89	45.0	36.4	54.6

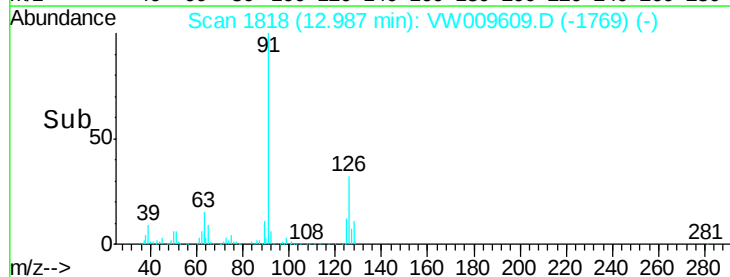
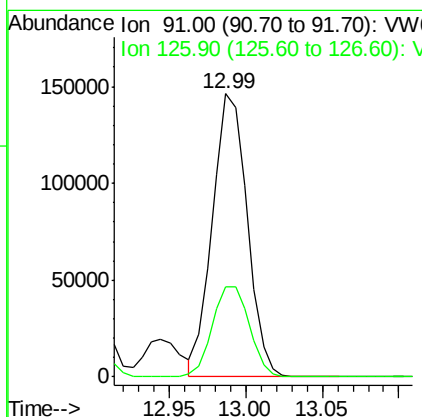
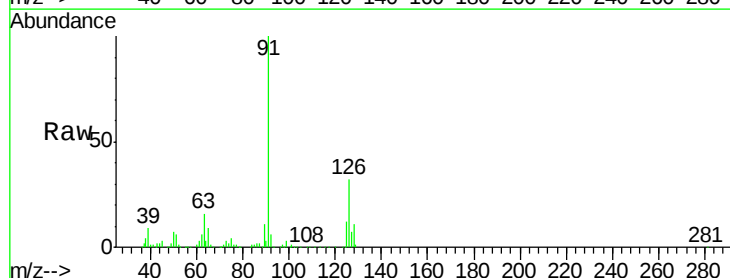
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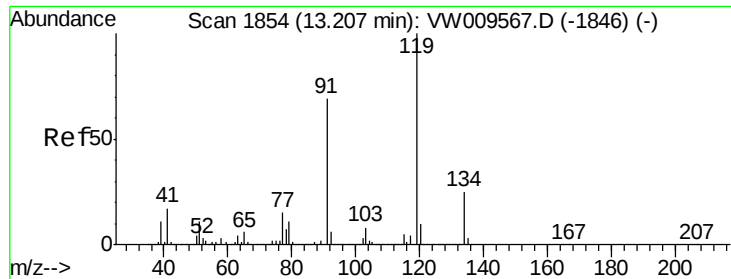
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#82
4-Chlorotoluene
Concen: 19.113 ug/l
RT: 12.99 min Scan# 1818
Delta R.T. -0.00 min
Lab File: VW009609.D
Acq: 31 Mar 2019 14:31

Tgt Ion	Ratio	Lower	Upper
91	100		
126	34.2	16.9	50.6





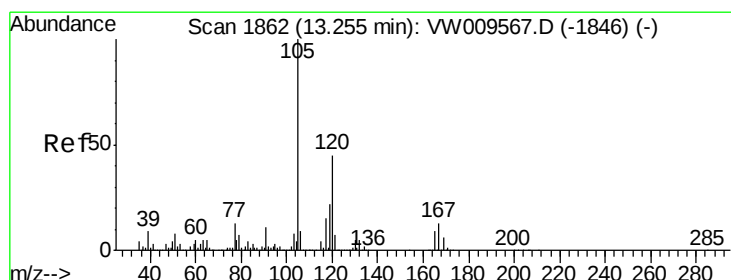
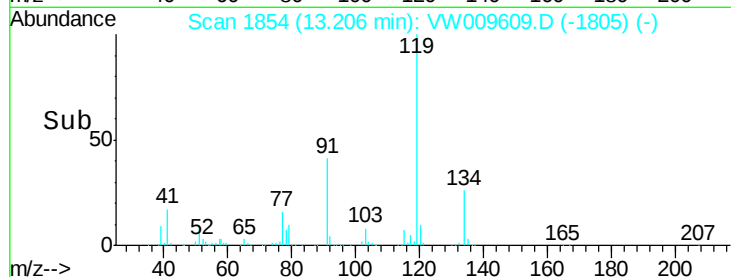
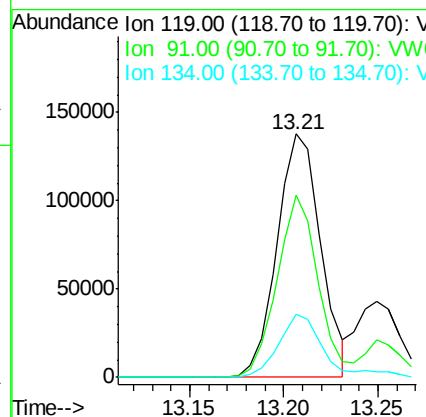
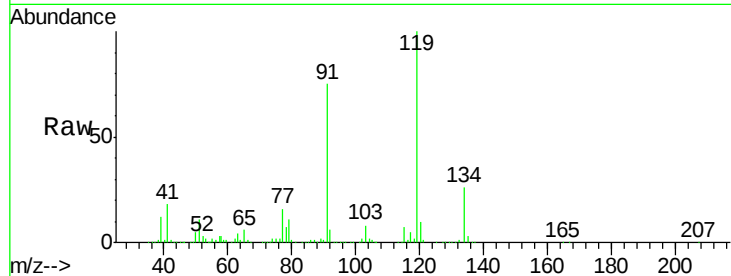
#83
 tert-Butylbenzene
 Concen: 18.804 ug/l
 RT: 13.21 min Scan# 1854
 Delta R.T. -0.00 min
 Lab File: VW009609.D
 Acq: 31 Mar 2019 14:31

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0331SBS01

Tot Ion	Ratio	Lower	Upper
119	100		
91	70.9	34.4	103.2
134	27.0	12.7	38.1

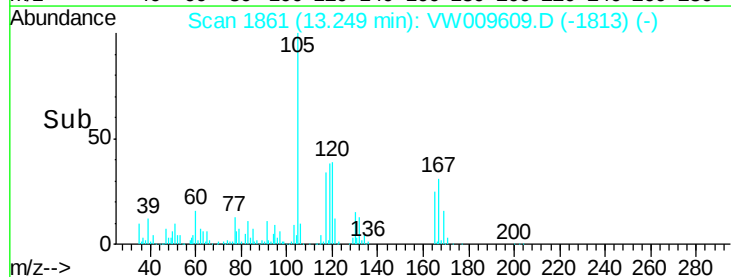
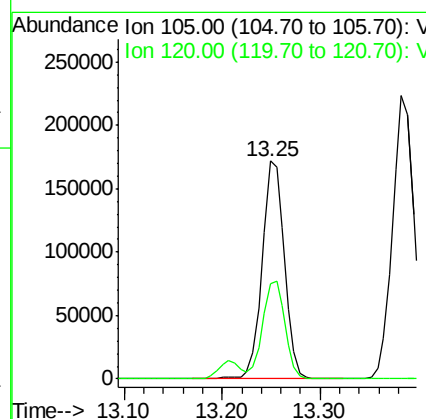
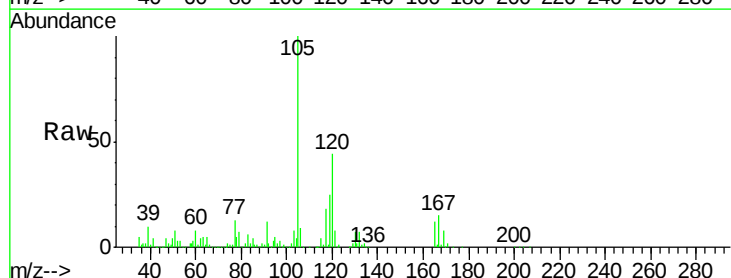
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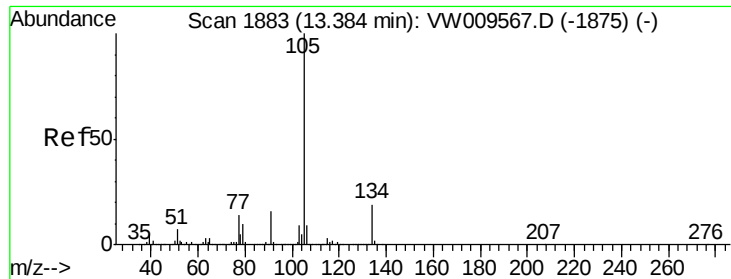
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#84
 1,2,4-Trimethylbenzene
 Concen: 19.208 ug/l
 RT: 13.25 min Scan# 1861
 Delta R.T. -0.01 min
 Lab File: VW009609.D
 Acq: 31 Mar 2019 14:31

Tgt Ion	Ratio	Lower	Upper
105	100		
120	45.1	22.8	68.3





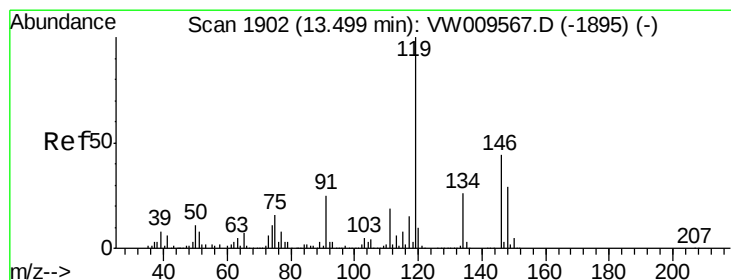
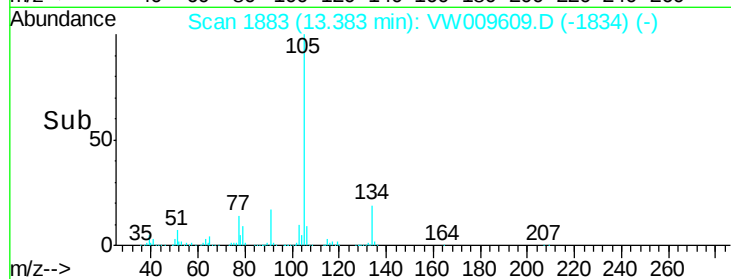
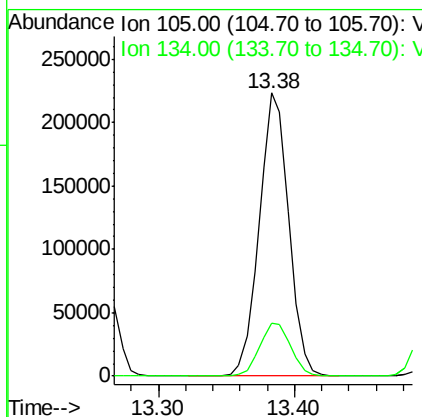
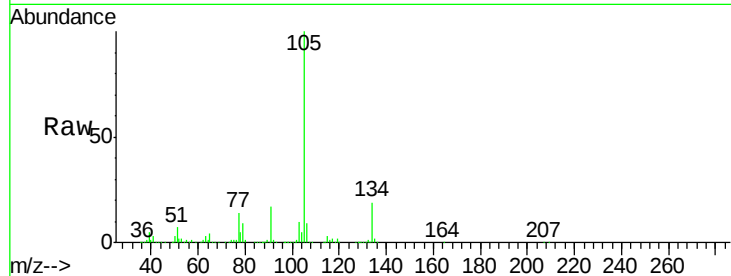
#85
 sec-Butylbenzene
 Concen: 19.156 ug/l
 RT: 13.38 min Scan# 1883
 Delta R.T. -0.00 min
 Lab File: VW009609.D
 Acq: 31 Mar 2019 14:31

Instrument :
 MSVOA_W
 ClientSampleID :
 VW0331SBS01

Tot Ion	Ratio	Lower	Upper
105	100		
134	19.7	10.2	30.6

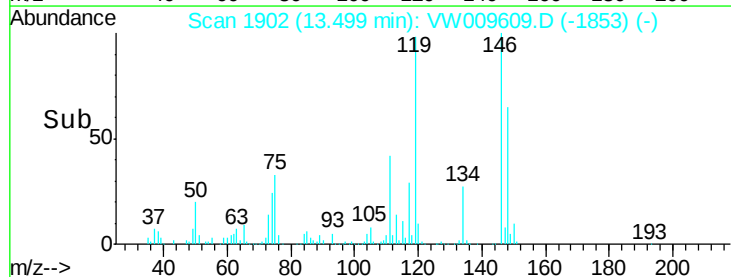
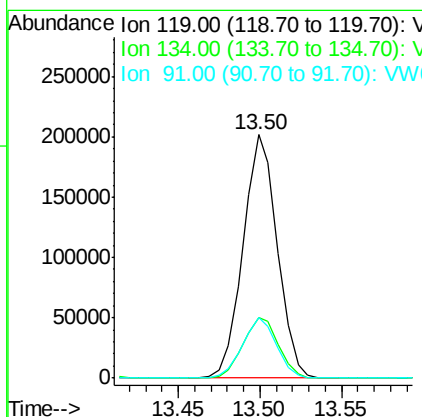
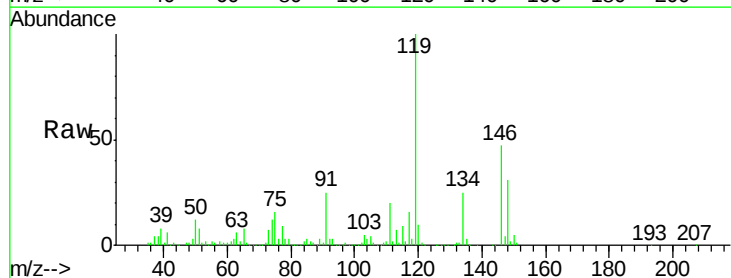
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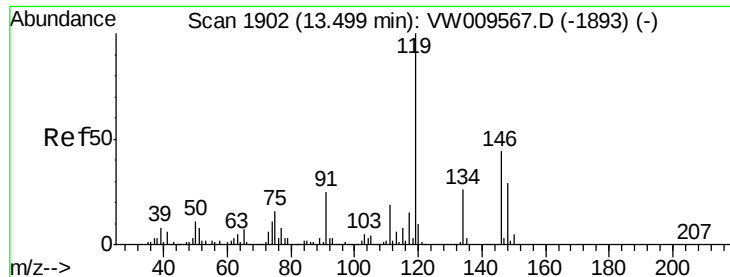
MMDadoda
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#86
 p-Isopropyltoluene
 Concen: 18.997 ug/l
 RT: 13.50 min Scan# 1902
 Delta R.T. -0.00 min
 Lab File: VW009609.D
 Acq: 31 Mar 2019 14:31

Tgt Ion	Ratio	Lower	Upper
119	100		
134	26.0	13.1	39.3
91	24.5	12.3	36.8





#87

1,3-Dichlorobenzene

Concen: 19.213 ug/l

RT: 13.50 min Scan# 1902

Delta R.T. -0.00 min

Lab File: VW009609.D

Acq: 31 Mar 2019 14:31

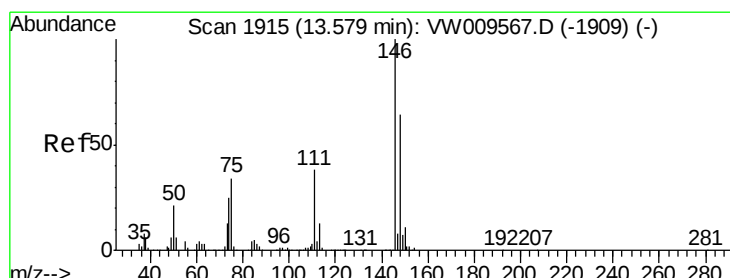
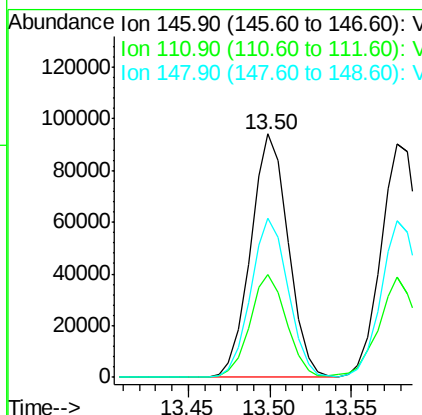
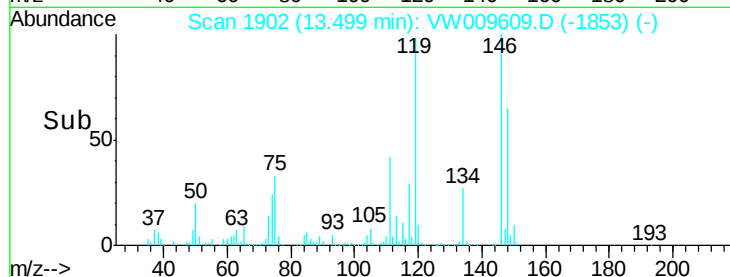
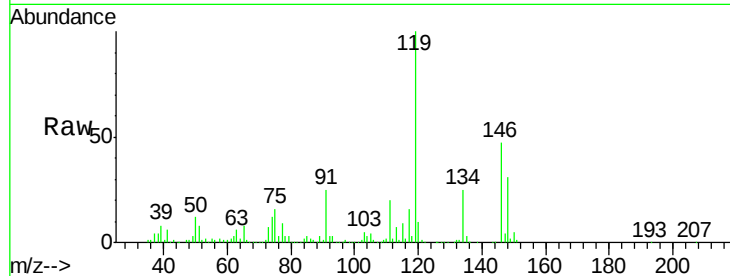
Instrument :
MSVOA_W

ClientSampleId :
VW0331SBSD01

Tot Ion	Ratio	Resp	Lower	Upper
146	100	150060		
111	41.3	20.1	60.2	
148	65.2	31.4	94.3	

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#88

1,4-Dichlorobenzene

Concen: 19.038 ug/l

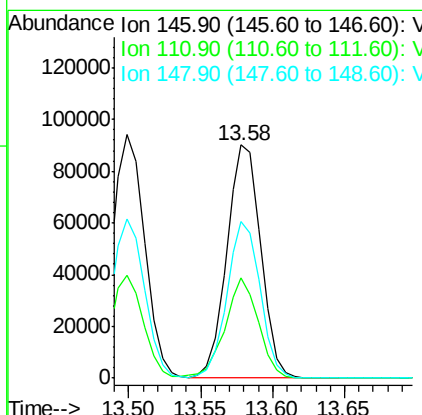
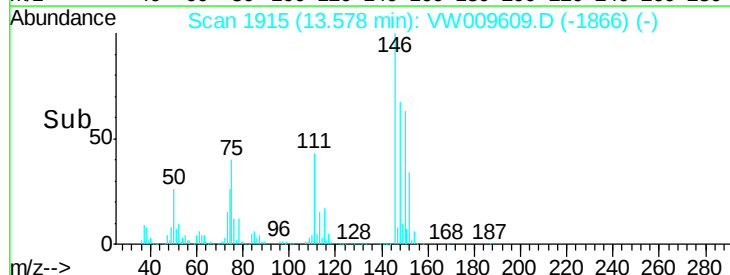
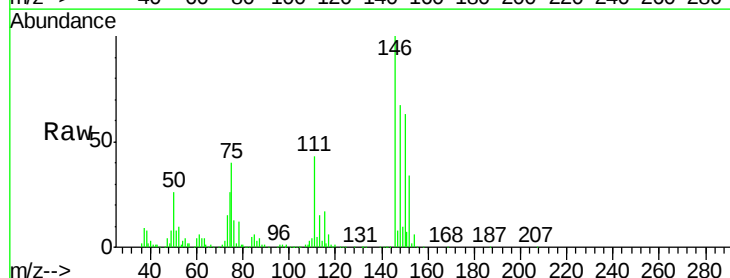
RT: 13.58 min Scan# 1915

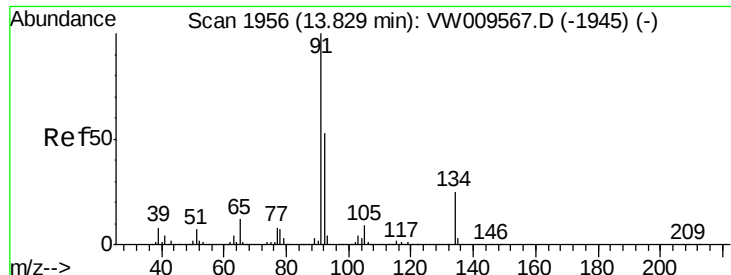
Delta R.T. -0.00 min

Lab File: VW009609.D

Acq: 31 Mar 2019 14:31

Tgt Ion	Ratio	Resp	Lower	Upper
146	100	148518		
111	42.3	19.9	59.6	
148	65.9	32.2	96.6	





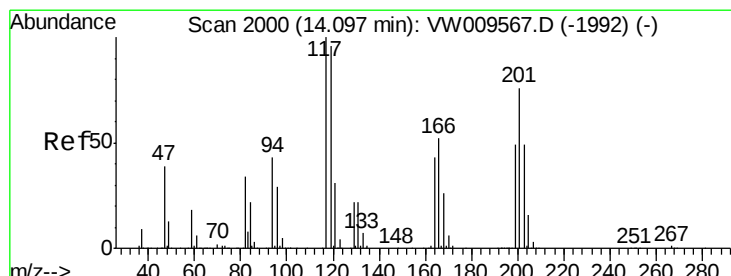
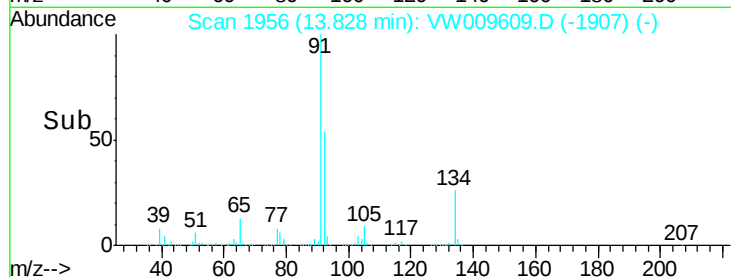
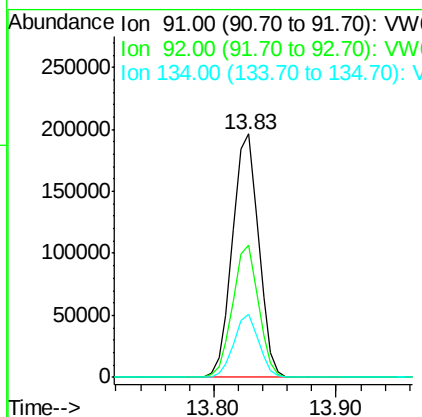
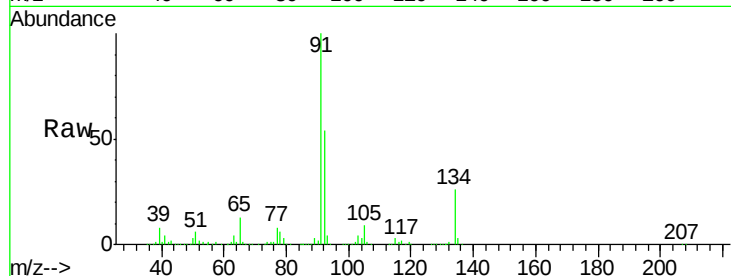
#89
n-Butylbenzene
Concen: 19.027 ug/l
RT: 13.83 min Scan# 1956
Delta R.T. -0.00 min
Lab File: VW009609.D
Acq: 31 Mar 2019 14:31

Instrument :
MSVOA_W
ClientSampleId :
VW0331SBS01

Tot Ion	Ratio	Lower	Upper
91	100		
92	53.6	26.4	79.0
134	24.7	12.9	38.6

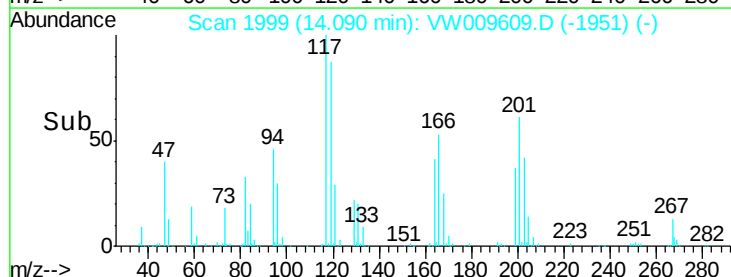
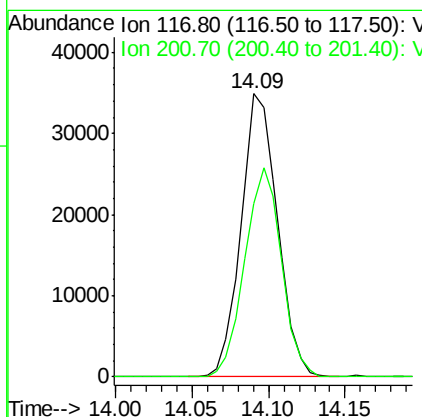
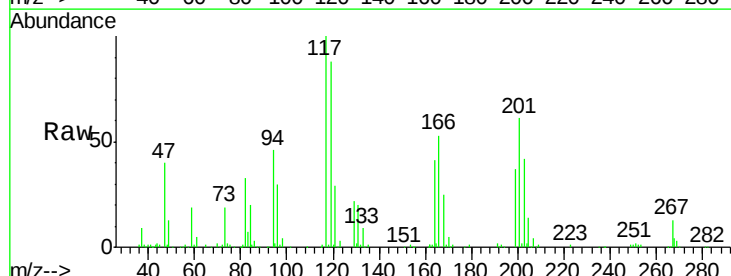
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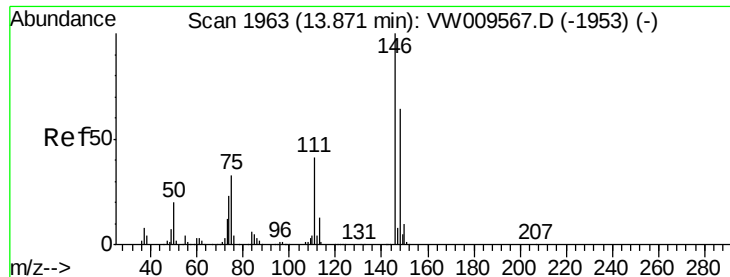
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#90
Hexachloroethane
Concen: 19.507 ug/l
RT: 14.09 min Scan# 1999
Delta R.T. -0.01 min
Lab File: VW009609.D
Acq: 31 Mar 2019 14:31

Tgt Ion	Ratio	Lower	Upper
117	100		
201	74.5	38.2	114.6





#91

1,2-Dichlorobenzene

Concen: 19.381 ug/l

RT: 13.87 min Scan# 1963

Delta R.T. -0.00 min

Lab File: VW009609.D

Acq: 31 Mar 2019 14:31

Instrument :

MSVOA_W

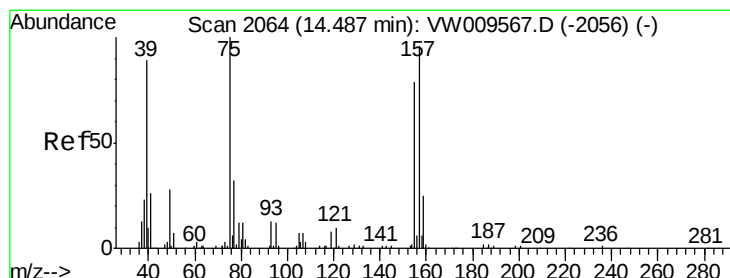
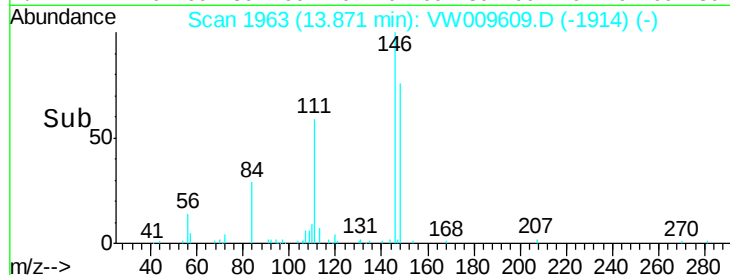
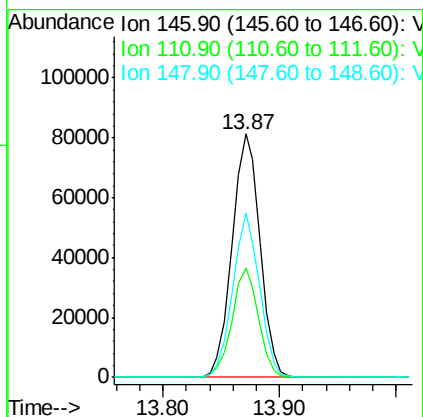
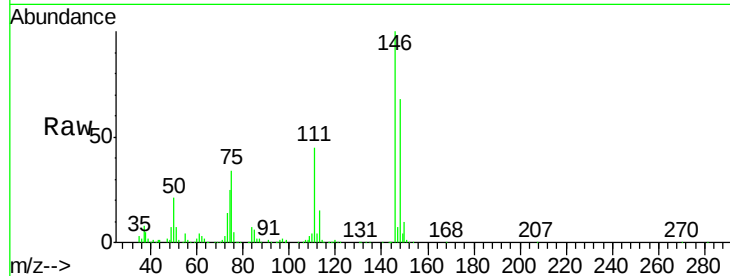
ClientSampleId :

VW0331SBS01

Tot Ion:	146	Resp:	135359
Ion Ratio	Lower	Upper	
146	100		
111	42.6	20.4	61.2
148	64.7	31.9	95.9

Manual Integrations
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#92

1,2-Dibromo-3-Chloropropane

Concen: 20.129 ug/l

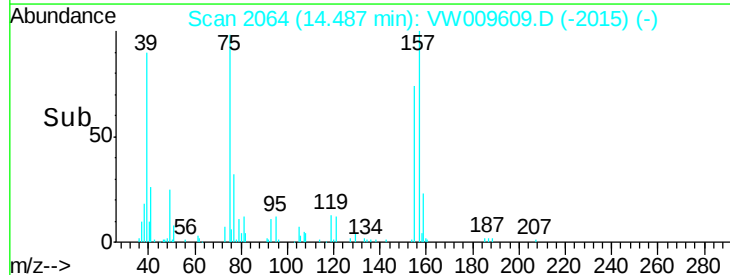
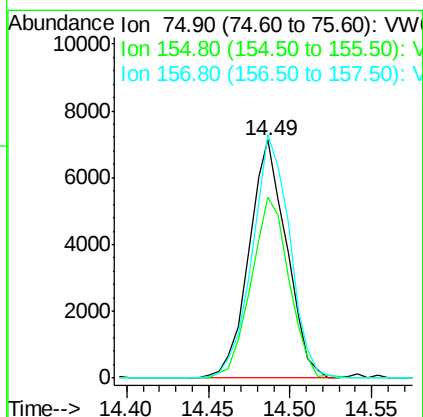
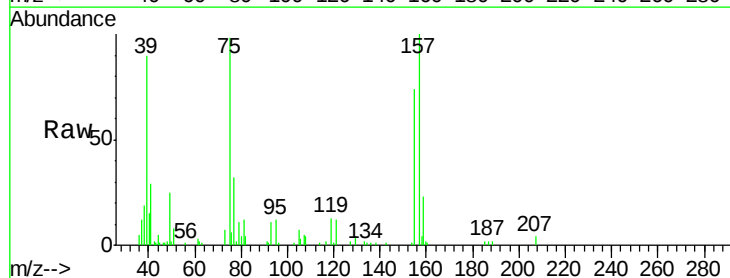
RT: 14.49 min Scan# 2064

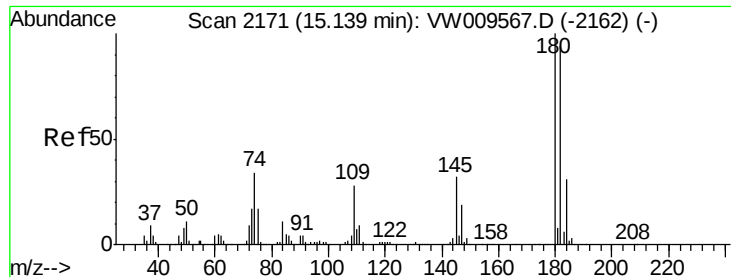
Delta R.T. -0.00 min

Lab File: VW009609.D

Acq: 31 Mar 2019 14:31

Tgt Ion:	75	Resp:	11415
Ion Ratio	Lower	Upper	
75	100		
155	76.7	39.3	117.8
157	101.7	49.5	148.5





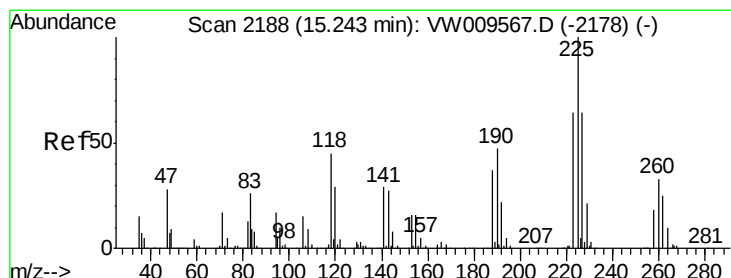
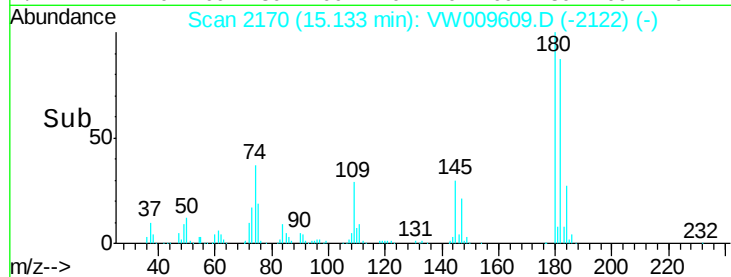
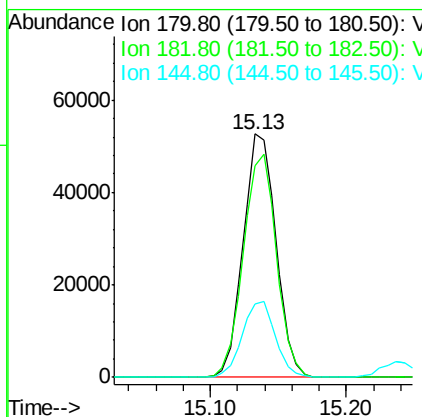
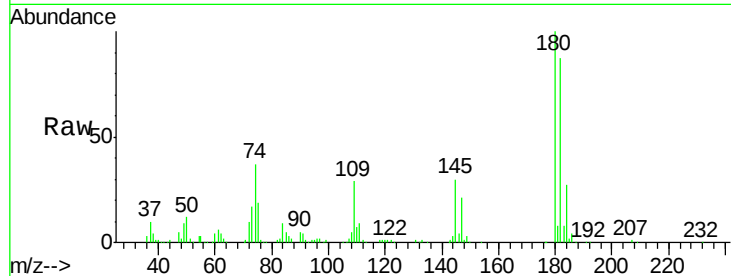
#93
 1,2,4-Trichlorobenzene
 Concen: 19.795 ug/l
 RT: 15.13 min Scan# 2170
 Delta R.T. -0.01 min
 Lab File: VW009609.D
 Acq: 31 Mar 2019 14:31

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0331SBSD01

Tot Ion	Ratio	Lower	Upper
180	100		
182	92.6	47.9	143.7
145	31.5	15.0	45.0

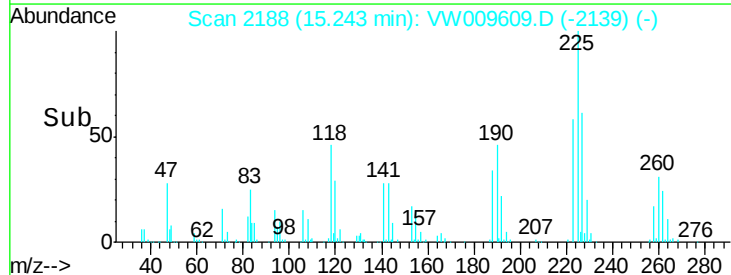
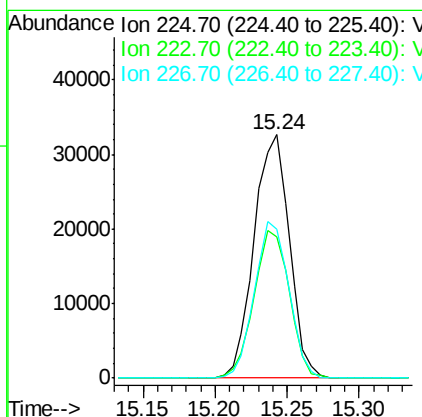
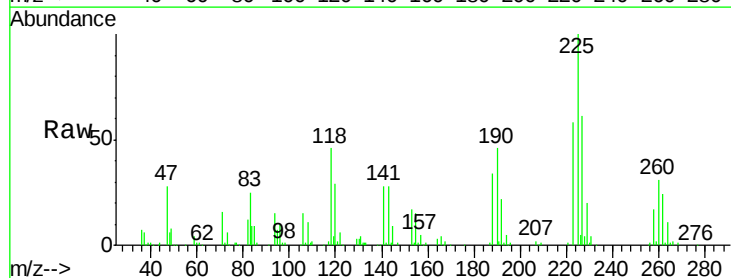
Manual Integrations
 APPROVED

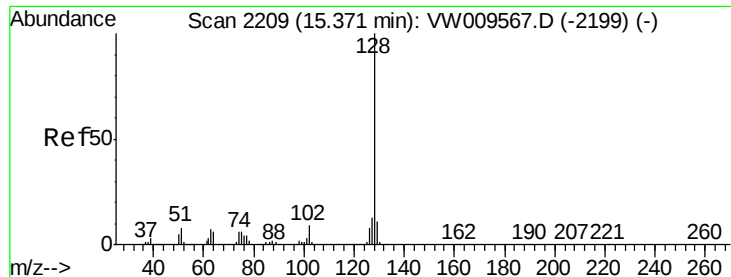
MMDadoda
 4/1/2019 5:30:25 PM



#94
 Hexachlorobutadiene
 Concen: 19.131 ug/l
 RT: 15.24 min Scan# 2188
 Delta R.T. -0.00 min
 Lab File: VW009609.D
 Acq: 31 Mar 2019 14:31

Tgt Ion	Ratio	Lower	Upper
225	100		
223	61.2	31.4	94.3
227	62.6	32.1	96.5





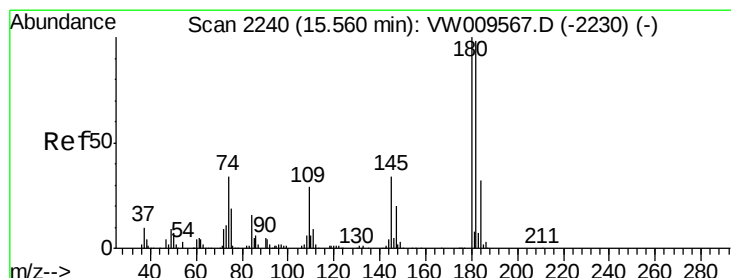
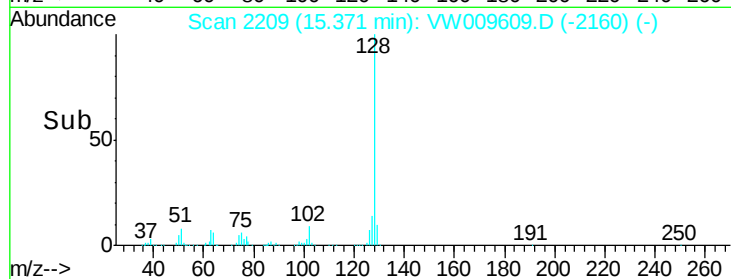
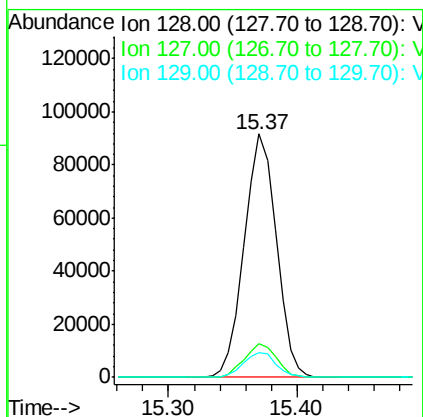
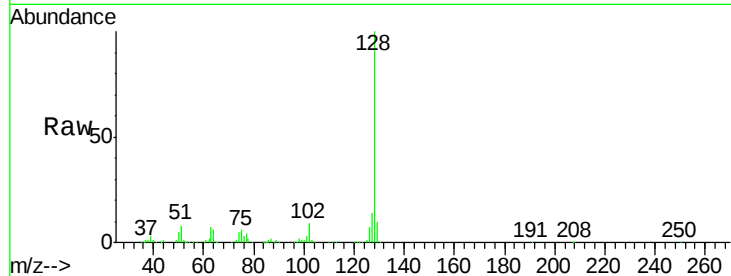
#95
Naphthalene
Concen: 19.095 ug/l
RT: 15.37 min Scan# 2209
Delta R.T. 0.00 min
Lab File: VW009609.D
Acq: 31 Mar 2019 14:31

Instrument :
MSVOA_W
ClientSampleId :
VW0331SBS01

Tot Ion	Ratio	Lower	Upper
128	100		
127	14.0	10.8	16.2
129	10.3	8.7	13.1

Manual Integrations
APPROVED

MMDadoda
4/1/2019 5:30:25 PM



#96
1,2,3-Trichlorobenzene
Concen: 19.901 ug/l
RT: 15.56 min Scan# 2240
Delta R.T. -0.00 min
Lab File: VW009609.D
Acq: 31 Mar 2019 14:31

Tgt Ion	Ratio	Lower	Upper
180	100		
182	97.4	47.3	141.9
145	33.4	16.0	48.0

