

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW011719\
 Data File : VW008331.D
 Acq On : 17 Jan 2019 16:39
 Operator : SY/VA
 Sample : VW0117SBS01
 Misc : 5.00G/5ML/MSVOA W/SOIL
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0117SBS01

Manual Integrations
 APPROVED

MMDadoda
 1/18/2019 2:10:03 PM

Quant Time: Jan 18 01:28:24 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W011719S.M
 Quant Title : SW846 8260
 QLast Update : Fri Jan 18 00:57:07 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	109855	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	179115	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	163807	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	82717	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.31	65	54403	47.61	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.22%	
35) Dibromofluoromethane	7.88	113	56847	49.72	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.44%	
50) Toluene-d8	10.32	98	233438	51.97	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.94%	
62) 4-Bromofluorobenzene	12.62	95	80126	49.74	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.48%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.01	85	13004	18.787	ug/l	99
3) Chloromethane	2.21	50	18422	18.155	ug/l	95
4) Vinyl Chloride	2.37	62	25512	19.678	ug/l	90
5) Bromomethane	2.78	94	18783	19.117	ug/l	92
6) Chloroethane	2.93	64	16810	19.809	ug/l	89
7) Trichlorofluoromethane	3.26	101	16824	17.673	ug/l	92
8) Diethyl Ether	3.67	74	11807	17.886	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	4.06	101	21683	19.564	ug/l	94
10) Methyl Iodide	4.26	142	32651	18.267	ug/l	99
11) Tert butyl alcohol	5.17	59	7356	95.605	ug/l	100
12) 1,1-Dichloroethene	4.03	96	21692	19.244	ug/l	90
13) Acrolein	3.89	56	4694	64.851	ug/l	96
14) Allyl chloride	4.67	41	34473	18.294	ug/l	99
15) Acrylonitrile	5.37	53	22041	86.922	ug/l	98
16) Acetone	4.12	43	22862	86.146	ug/l	98
17) Carbon Disulfide	4.37	76	60069	17.513	ug/l	100
18) Methyl Acetate	4.67	43	12387	17.473	ug/l	97
19) Methyl tert-butyl Ether	5.42	73	30116	17.453	ug/l	94
20) Methylene Chloride	4.91	84	25689	18.636	ug/l	98
21) trans-1,2-Dichloroethene	5.42	96	23312	18.414	ug/l	87
22) Diisopropyl ether	6.31	45	69591	18.916	ug/l	99
23) Vinyl Acetate	6.26	43	172730	87.832	ug/l	100
24) 1,1-Dichloroethane	6.21	63	41938	18.722	ug/l	98
25) 2-Butanone	7.17	43	28679	84.373	ug/l	97
26) 2,2-Dichloropropane	7.17	77	28209	19.733	ug/l	98
27) cis-1,2-Dichloroethene	7.17	96	25704	18.739	ug/l	98
28) Bromochloromethane	7.51	49	15884	17.211	ug/l #	97
29) Tetrahydrofuran	7.53	42	17958	84.746	ug/l	99
30) Chloroform	7.67	83	42500	19.176	ug/l	98
31) Cyclohexane	7.95	56	39412	18.466	ug/l	93
32) 1,1,1-Trichloroethane	7.87	97	36055	19.384	ug/l	97
36) 1,1-Dichloropropene	8.08	75	33994	18.864	ug/l	100
37) Ethyl Acetate	7.25	43	12400	16.686	ug/l	97
38) Carbon Tetrachloride	8.07	117	32122	18.052	ug/l	95

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Manual Integrations
 APPROVED

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Quant Time: Jan 18 01:28:24 2019
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 Quant Title : SW846 8260
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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.34	83	39232	18.302	ug/l	94
40) Benzene	8.32	78	95693	18.746	ug/l	99
41) Methacrylonitrile	7.48	41	7322	16.926	ug/l	95
42) 1,2-Dichloroethane	8.40	62	26234	18.379	ug/l	100
43) Isopropyl Acetate	8.42	43	23528	16.761	ug/l	99
44) Trichloroethene	9.09	130	26224	18.751	ug/l	96
45) 1,2-Dichloropropane	9.37	63	23628	18.634	ug/l	99
46) Dibromomethane	9.46	93	11917	18.033	ug/l	95
47) Bromodichloromethane	9.64	83	30352	18.620	ug/l	98
48) Methyl methacrylate	9.43	41	10686	16.171	ug/l	94
49) 1,4-Dioxane	9.45	88	3673	345.254	ug/l	92
51) 4-Methyl-2-Pentanone	10.21	43	59304	83.436	ug/l	100
52) Toluene	10.39	92	61026	18.891	ug/l	100
53) t-1,3-Dichloropropene	10.60	75	28481	17.506	ug/l	94
54) cis-1,3-Dichloropropene	10.07	75	35173	18.339	ug/l	97
55) 1,1,2-Trichloroethane	10.79	97	16535	18.039	ug/l	94
56) Ethyl methacrylate	10.65	69	18030	16.749	ug/l	94
57) 1,3-Dichloropropane	10.93	76	29007	18.226	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.92	63	48808	93.997	ug/l	100
59) 2-Hexanone	10.97	43	41139	82.606	ug/l	98
60) Dibromochloromethane	11.13	129	19702	18.010	ug/l	98
61) 1,2-Dibromoethane	11.23	107	15299	17.236	ug/l	96
64) Tetrachloroethene	10.86	164	20757	18.072	ug/l	99
65) Chlorobenzene	11.66	112	66664	18.658	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.73	131	22657	18.424	ug/l	98
67) Ethyl Benzene	11.73	91	117731	18.977	ug/l	97
68) m/p-Xylenes	11.84	106	93549	38.849	ug/l	98
69) o-Xylene	12.17	106	42097	18.712	ug/l	99
70) Styrene	12.18	104	68785	19.035	ug/l	99
71) Bromoform	12.35	173	10567	17.249	ug/l #	97
73) Isopropylbenzene	12.47	105	116782	19.377	ug/l	100
74) N-amyl acetate	12.27	43	21824	16.897	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.72	83	18336	17.886	ug/l	99
76) 1,2,3-Trichloropropane	12.77	75	13450m	17.856	ug/l	
77) Bromobenzene	12.75	156	26733	18.466	ug/l	97
78) n-propylbenzene	12.80	91	141593	19.410	ug/l	100
79) 2-Chlorotoluene	12.90	91	79965	19.185	ug/l	99
80) 1,3,5-Trimethylbenzene	12.94	105	98327	19.551	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.52	75	5586	17.697	ug/l	96
82) 4-Chlorotoluene	12.99	91	84503	19.402	ug/l	98
83) tert-Butylbenzene	13.21	119	85924	19.411	ug/l	99
84) 1,2,4-Trimethylbenzene	13.26	105	100969	19.707	ug/l	99
85) sec-Butylbenzene	13.39	105	123601	19.448	ug/l	100
86) p-Isopropyltoluene	13.50	119	107766	19.414	ug/l	98
87) 1,3-Dichlorobenzene	13.50	146	54641	18.996	ug/l	98
88) 1,4-Dichlorobenzene	13.58	146	53411	18.534	ug/l	96
89) n-Butylbenzene	13.83	91	104143	19.559	ug/l	100
90) Hexachloroethane	14.10	117	18781	18.282	ug/l	97
91) 1,2-Dichlorobenzene	13.88	146	47361	18.649	ug/l	97
92) 1,2-Dibromo-3-Chloropropan	14.48	75	2698	16.095	ug/l	93

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ClientSampleId :
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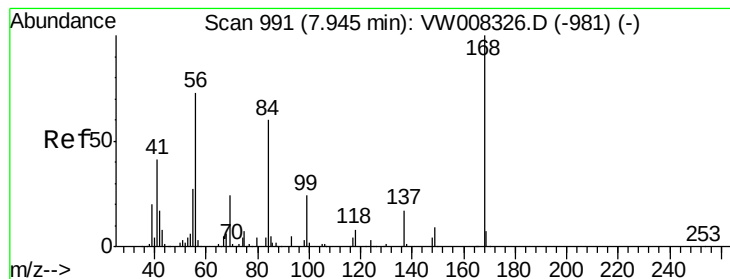
Manual Integrations
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Quant Title : SW846 8260
QLast Update : Fri Jan 18 00:57:07 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.14	180	31666	18.420	ug/l	98
94) Hexachlorobutadiene	15.24	225	18340	18.929	ug/l	98
95) Naphthalene	15.38	128	49053	17.059	ug/l	97
96) 1,2,3-Trichlorobenzene	15.56	180	27014	18.041	ug/l	96

(#) = 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: VW008331.D

Acq: 17 Jan 2019 16:39

Instrument :

MSVOA_W

ClientSampled :

VW0117SBS01

Tot Ion:168 Resp: 109855

Ion Ratio Lower Upper

168 100

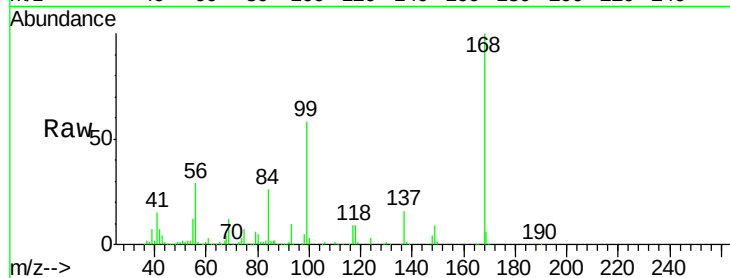
99 58.0 44.6 66.8

Manual Integrations

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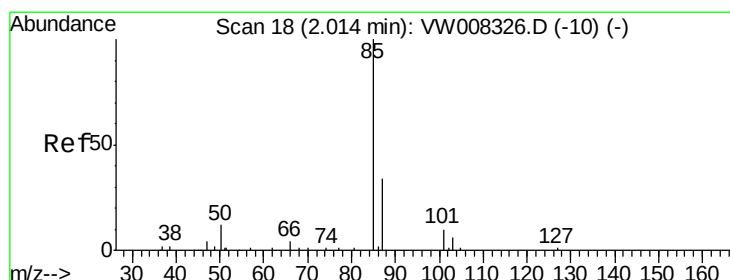
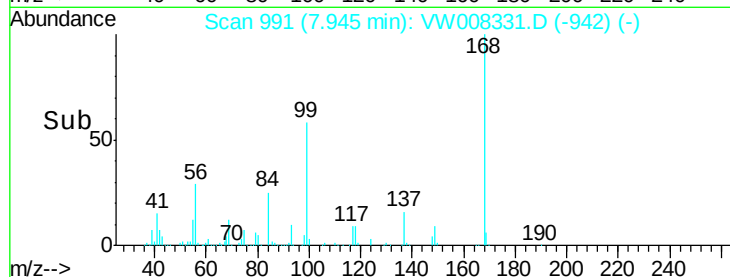
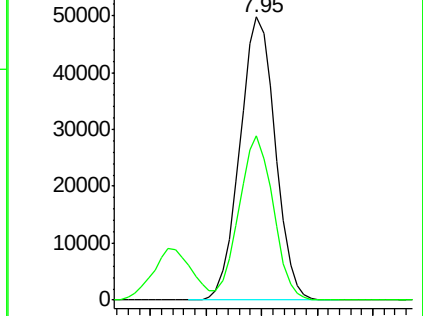
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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW



#2

Dichlorodifluoromethane

Concen: 18.787 ug/l

RT: 2.01 min Scan# 17

Delta R.T. -0.01 min

Lab File: VW008331.D

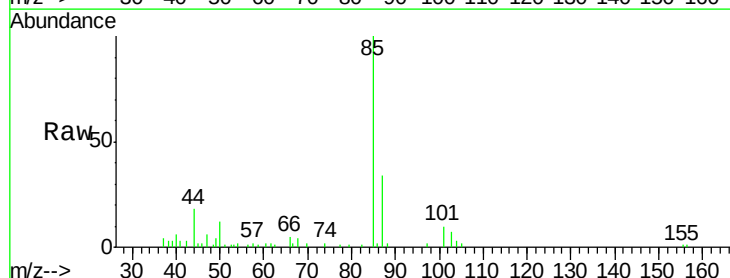
Acq: 17 Jan 2019 16:39

Tgt Ion: 85 Resp: 13004

Ion Ratio Lower Upper

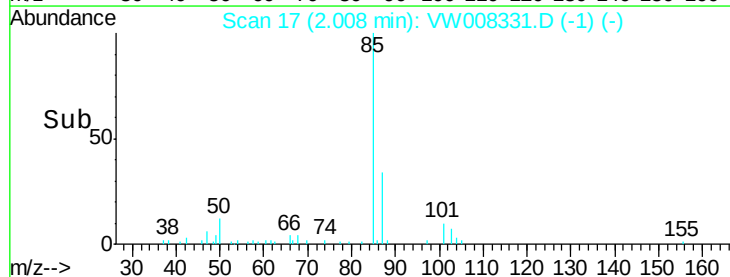
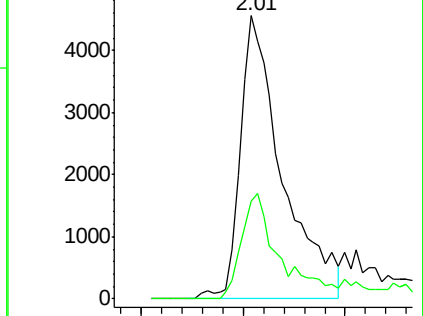
85 100

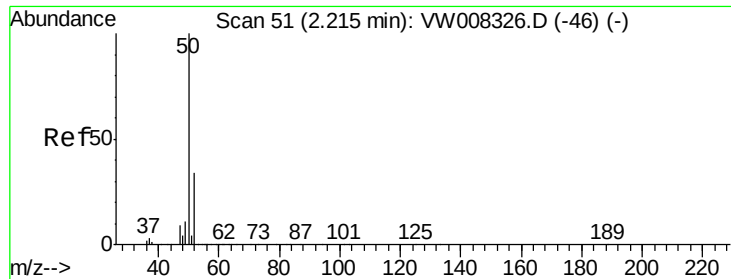
87 34.5 16.9 50.6



Abundance Ion 84.90 (84.60 to 85.60): VW

Ion 86.90 (86.60 to 87.60): VW





#3

Chloromethane

Concen: 18.155 ug/l

RT: 2.21 min Scan# 51

Delta R.T. 0.00 min

Lab File: VW008331.D

Acq: 17 Jan 2019 16:39

Instrument :

MSVOA_W

ClientSampleId :

VW0117SBS01

Tot Ion: 50 Resp: 18422

Ion Ratio Lower Upper

50 100

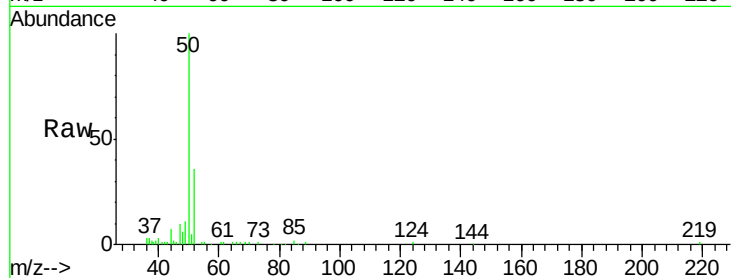
52 36.4 26.7 40.1

Manual Integrations

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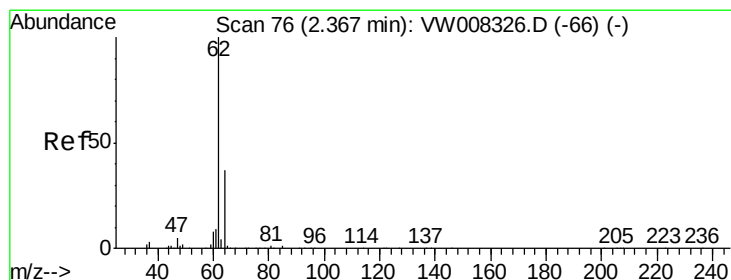
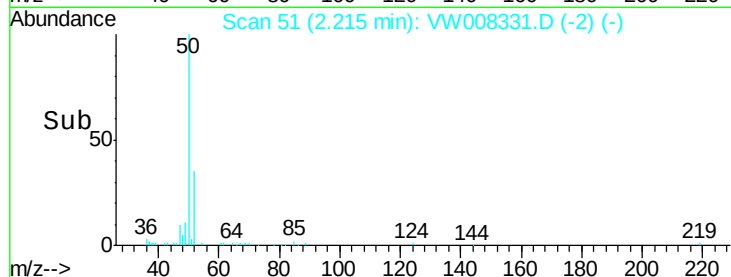
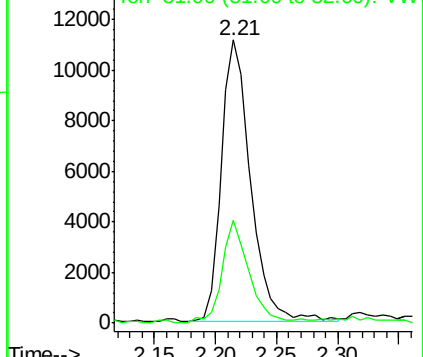
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Abundance Ion 49.90 (49.60 to 50.60): VW

Ion 51.90 (51.60 to 52.60): VW



#4

Vinyl Chloride

Concen: 19.678 ug/l

RT: 2.37 min Scan# 76

Delta R.T. 0.00 min

Lab File: VW008331.D

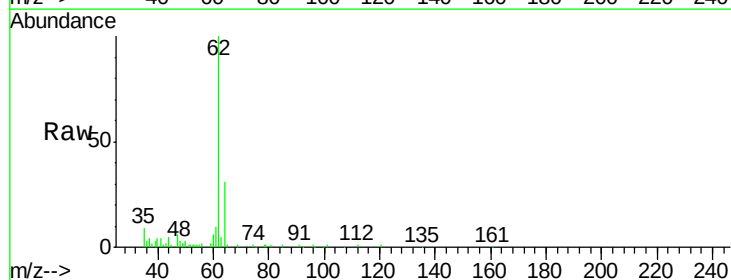
Acq: 17 Jan 2019 16:39

Tgt Ion: 62 Resp: 25512

Ion Ratio Lower Upper

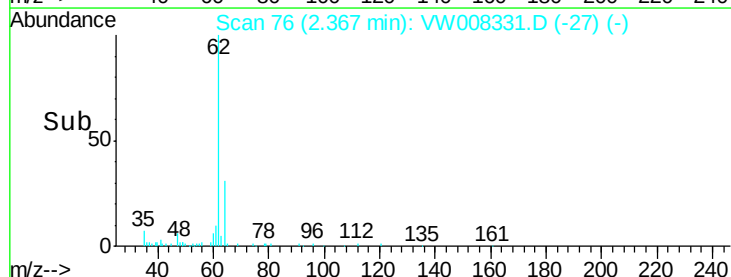
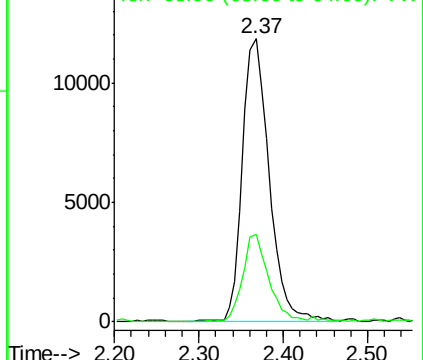
62 100

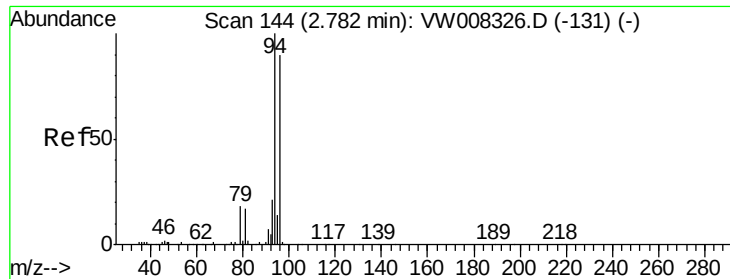
64 31.1 29.4 44.2



Abundance Ion 61.90 (61.60 to 62.60): VW

Ion 63.90 (63.60 to 64.60): VW





#5

Bromomethane

Concen: 19.117 ug/l

RT: 2.78 min Scan# 144

Delta R.T. 0.00 min

Lab File: VW008331.D

Acq: 17 Jan 2019 16:39

Instrument :

MSVOA_W

ClientSampleId :

VW0117SBS01

Tot Ion: 94 Resp: 18783

Ion Ratio Lower Upper

94 100

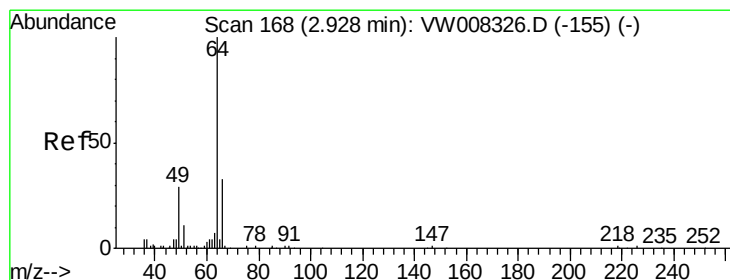
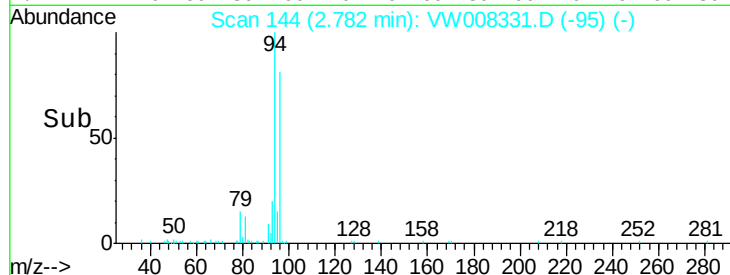
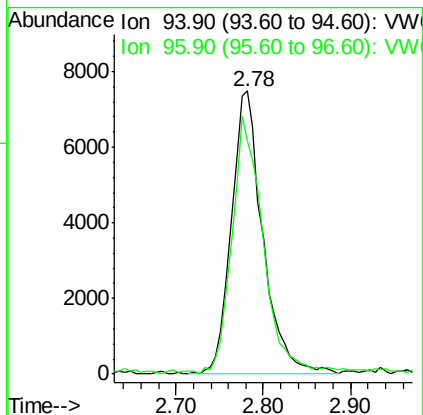
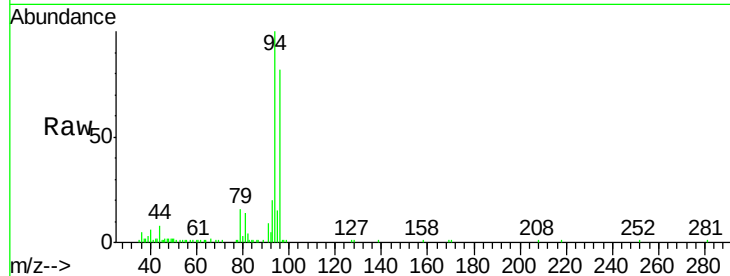
96 81.3 71.4 107.0

Manual Integrations

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#6

Chloroethane

Concen: 19.809 ug/l

RT: 2.93 min Scan# 168

Delta R.T. 0.00 min

Lab File: VW008331.D

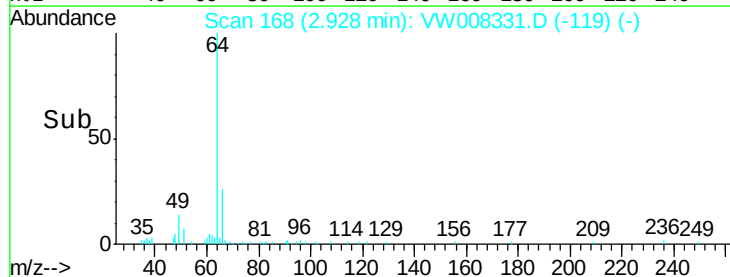
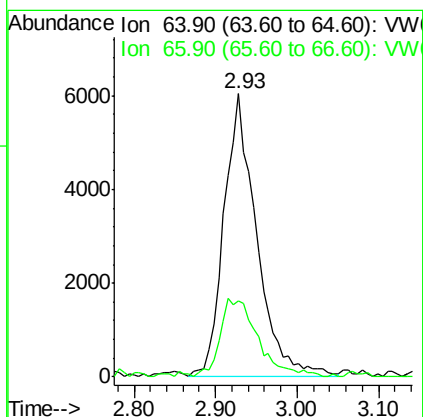
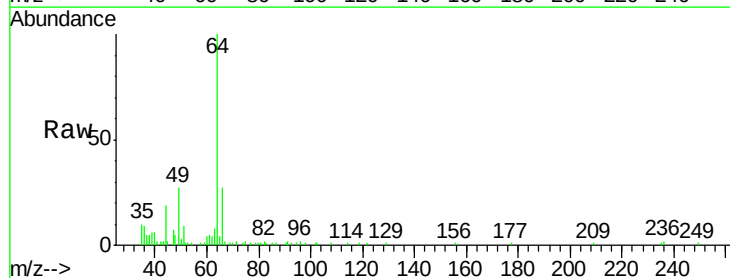
Acq: 17 Jan 2019 16:39

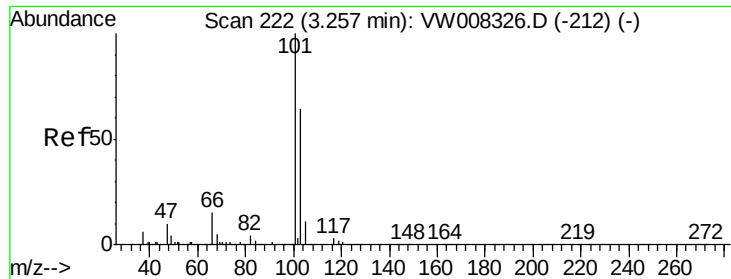
Tgt Ion: 64 Resp: 16810

Ion Ratio Lower Upper

64 100

66 26.7 26.2 39.4





#7

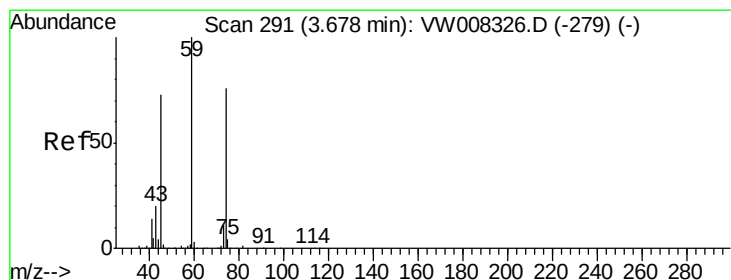
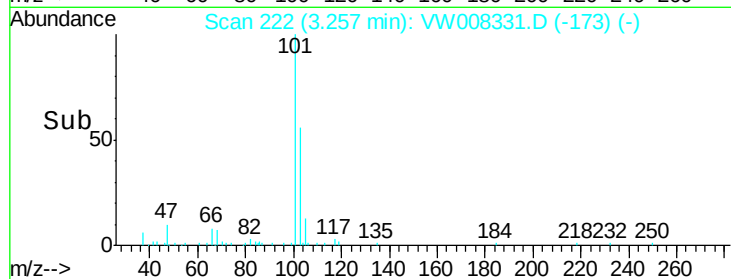
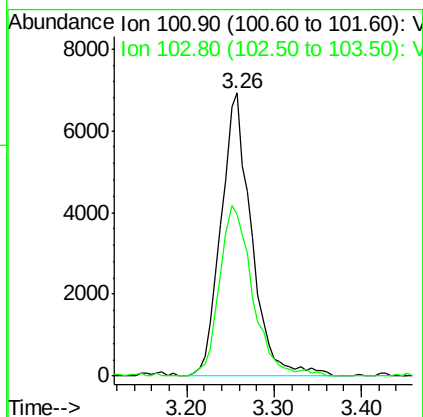
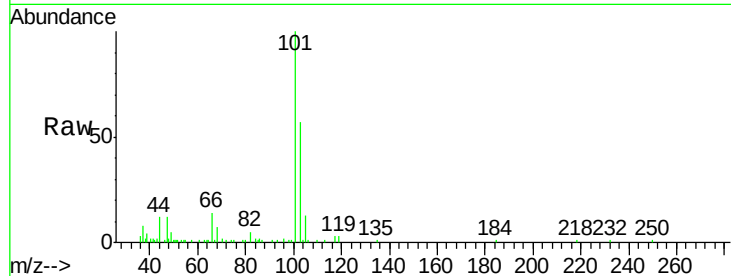
Trichlorofluoromethane
Concen: 17.673 ug/l
RT: 3.26 min Scan# 222
Delta R.T. 0.00 min
Lab File: VW008331.D
Acq: 17 Jan 2019 16:39

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MSVOA_W
ClientSampleId :
VW0117SBS01

Tot Ion	Ratio	Lower	Upper
101	100		
103	57.2	50.9	76.3

Manual Integrations
APPROVED

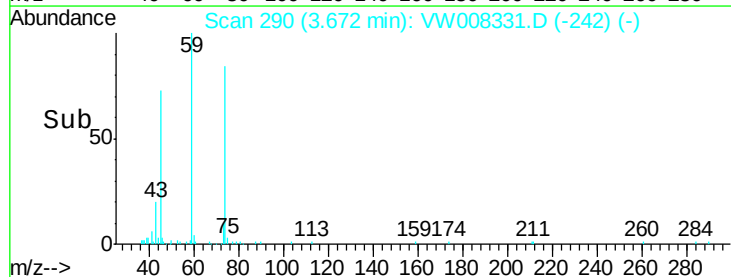
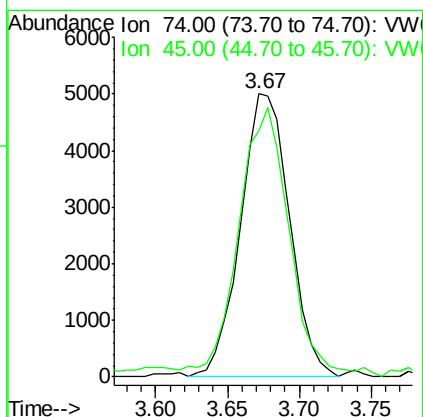
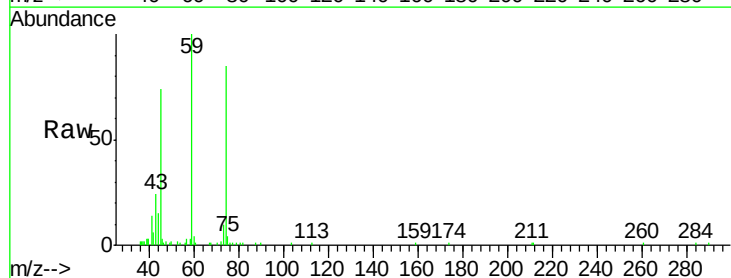
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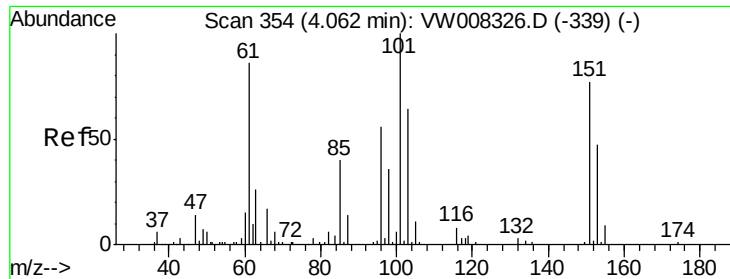


#8

Diethyl Ether
Concen: 17.886 ug/l
RT: 3.67 min Scan# 290
Delta R.T. -0.01 min
Lab File: VW008331.D
Acq: 17 Jan 2019 16:39

Tgt Ion	Ratio	Lower	Upper
74	100		
45	99.2	50.1	150.3





#9

1,1,2-Trichlorotrifluoroethane

Concen: 19.564 ug/l

RT: 4.06 min Scan# 353

Delta R.T. -0.01 min

Lab File: VW008331.D

Acq: 17 Jan 2019 16:39

Instrument :

MSVOA_W

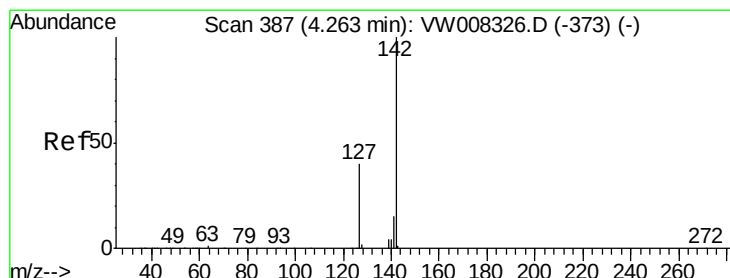
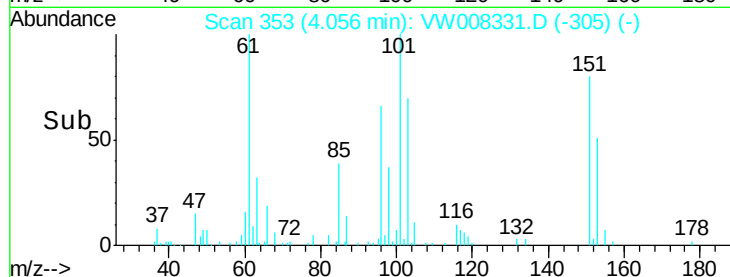
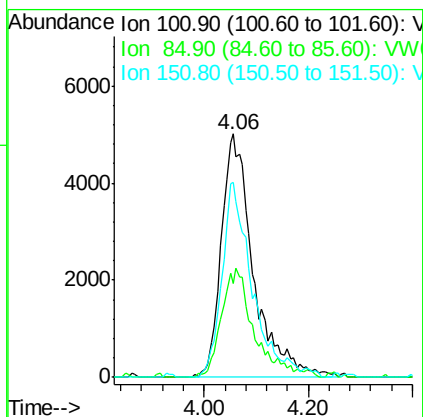
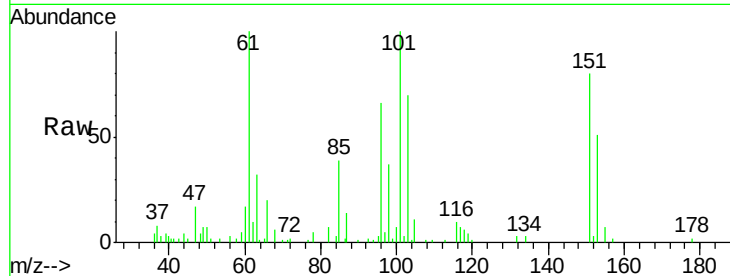
ClientSampleId :

VW0117SBS01

Tot Ion:	101	Resp:	21683
Ion Ratio	Lower	Upper	
101	100		
85	41.6	36.0	54.0
151	72.6	62.3	93.5

Manual Integrations
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#10

Methyl Iodide

Concen: 18.267 ug/l

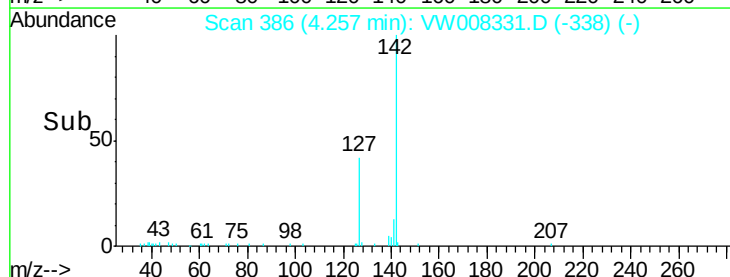
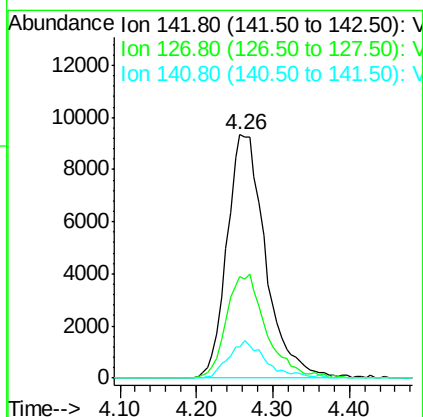
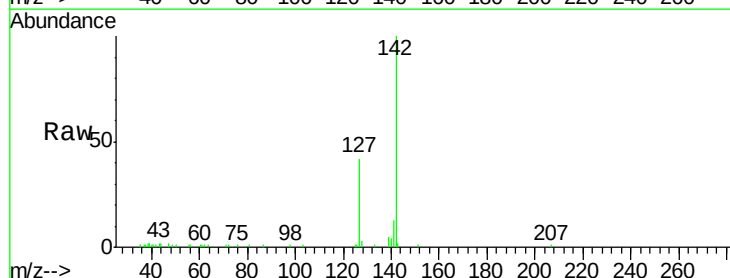
RT: 4.26 min Scan# 386

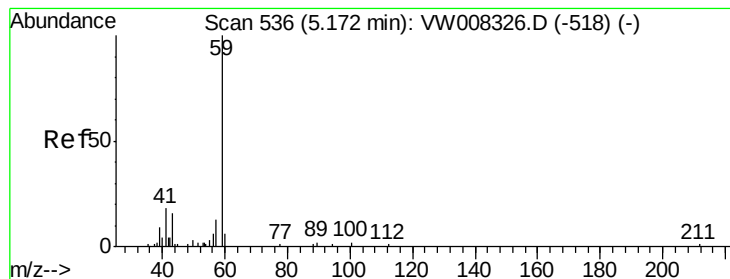
Delta R.T. -0.01 min

Lab File: VW008331.D

Acq: 17 Jan 2019 16:39

Tgt Ion:	142	Resp:	32651
Ion Ratio	Lower	Upper	
142	100		
127	43.8	34.3	51.5
141	14.5	12.2	18.2





#11

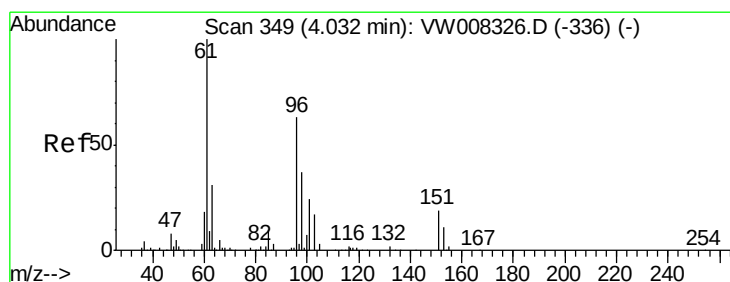
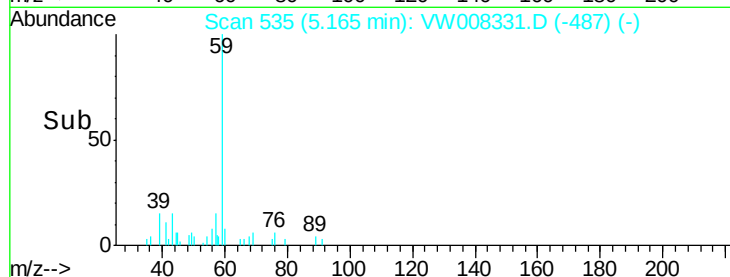
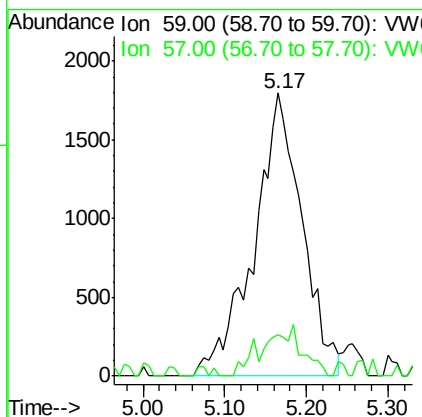
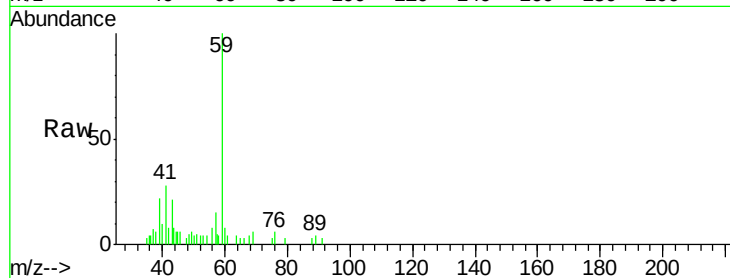
Tert butyl alcohol
 Concen: 95.605 ug/l
 RT: 5.17 min Scan# 535
 Delta R.T. -0.01 min
 Lab File: VW008331.D
 Acq: 17 Jan 2019 16:39

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0117SBS01

Tot Ion	Ratio	Lower	Upper
59	100		
57	11.7	9.4	14.2

Manual Integrations
 APPROVED

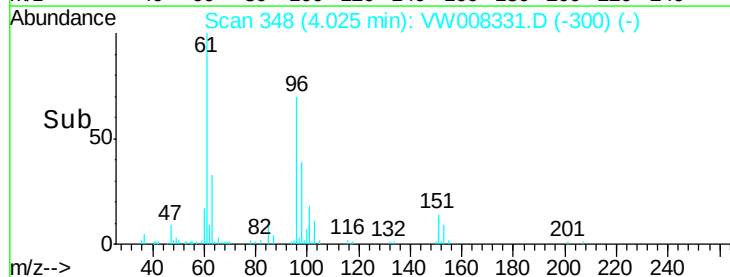
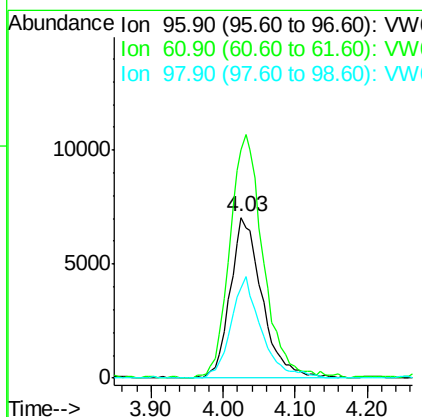
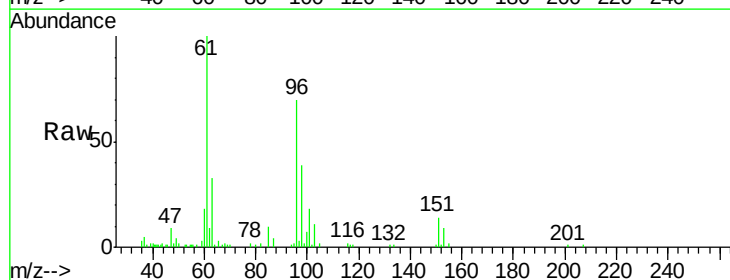
MMDadoda
 1/18/2019 2:10:03 PM

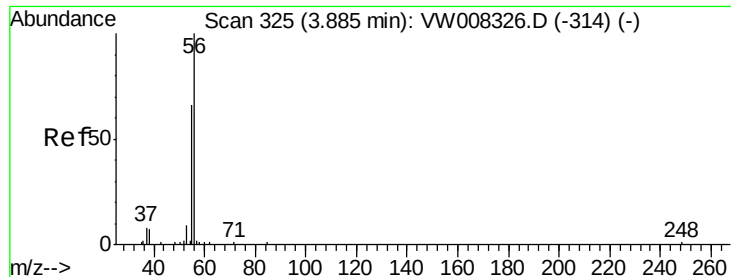


#12

1,1-Dichloroethene
 Concen: 19.244 ug/l
 RT: 4.03 min Scan# 348
 Delta R.T. -0.01 min
 Lab File: VW008331.D
 Acq: 17 Jan 2019 16:39

Tgt Ion	Ratio	Lower	Upper
96	100		
61	142.1	126.4	189.6
98	56.1	46.7	70.1





#13

Acrolein

Concen: 64.851 ug/l

RT: 3.89 min Scan# 325

Delta R.T. 0.00 min

Lab File: VW008331.D

Acq: 17 Jan 2019 16:39

Instrument :

MSVOA_W

ClientSampleId :

VW0117SBS01

Tot Ion: 56 Resp: 4694

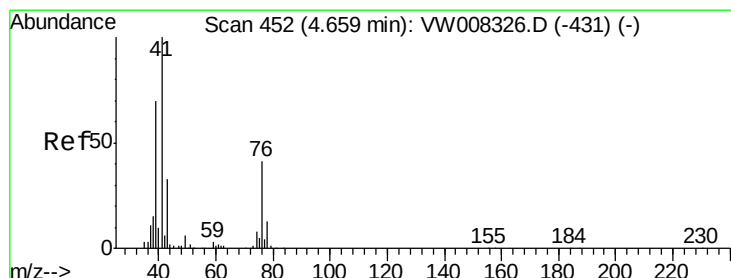
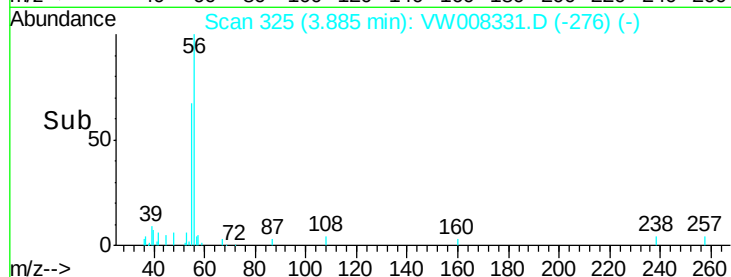
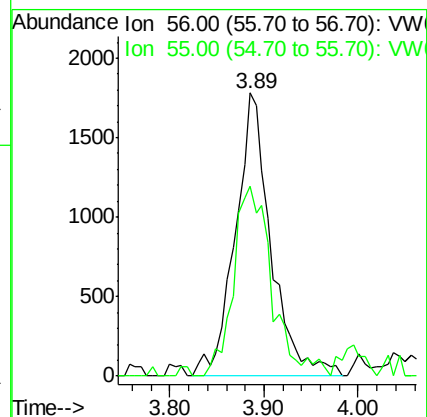
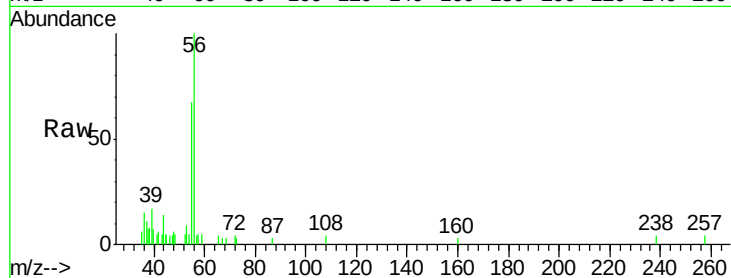
Ion Ratio Lower Upper

56 100

55 69.2 52.9 79.3

Manual Integrations
APPROVED

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#14

Allyl chloride

Concen: 18.294 ug/l

RT: 4.67 min Scan# 453

Delta R.T. 0.01 min

Lab File: VW008331.D

Acq: 17 Jan 2019 16:39

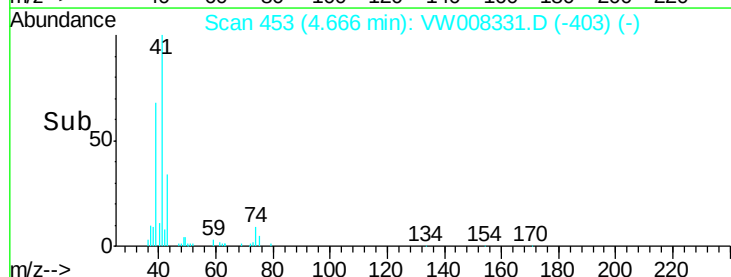
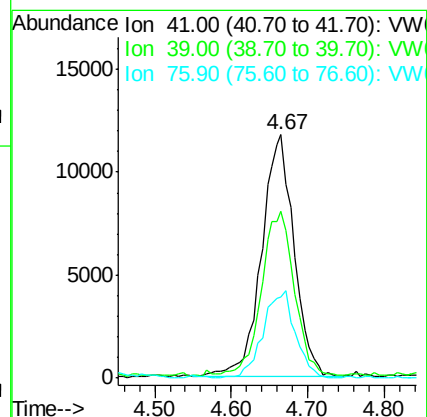
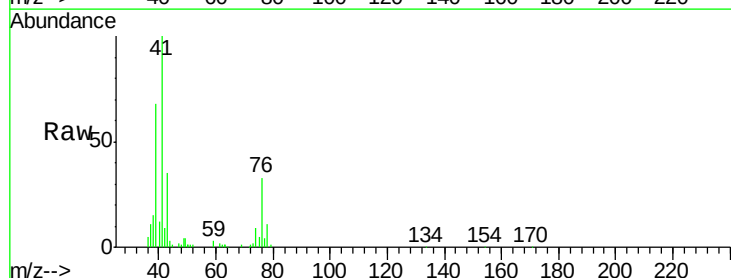
Tgt Ion: 41 Resp: 34473

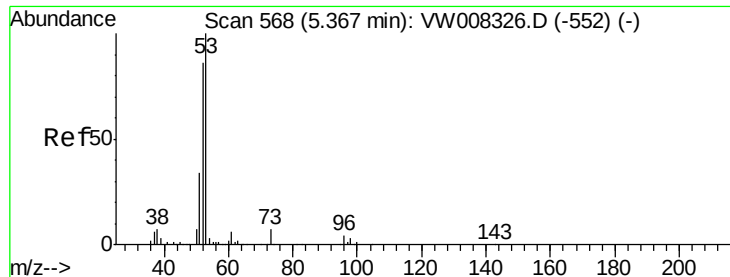
Ion Ratio Lower Upper

41 100

39 68.5 54.1 81.1

76 36.0 29.5 44.3





#15

Acrylonitrile

Concen: 86.922 ug/l

RT: 5.37 min Scan# 569

Delta R.T. 0.01 min

Lab File: VW008331.D

Acq: 17 Jan 2019 16:39

Instrument :

MSVOA_W

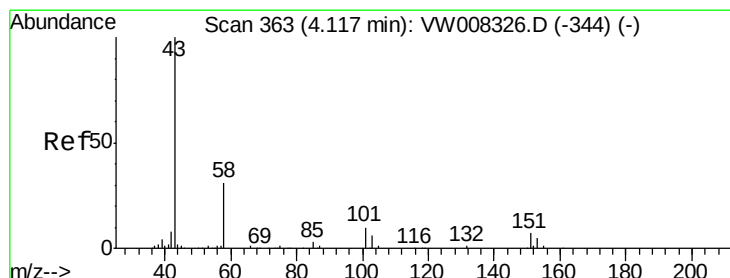
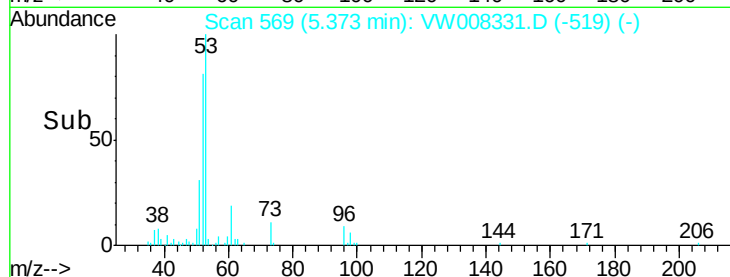
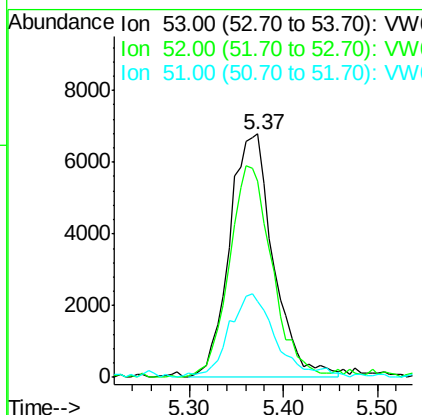
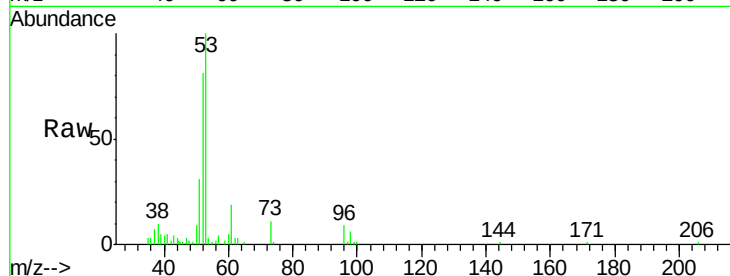
ClientSampleId :

VW0117SBS01

Tot Ion:	53	Resp:	22041
Ion	Ratio	Lower	Upper
53	100		
52	85.0	66.4	99.6
51	35.5	29.6	44.4

Manual Integrations
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MMDadoda
1/18/2019 2:10:03 PM



#16

Acetone

Concen: 86.146 ug/l

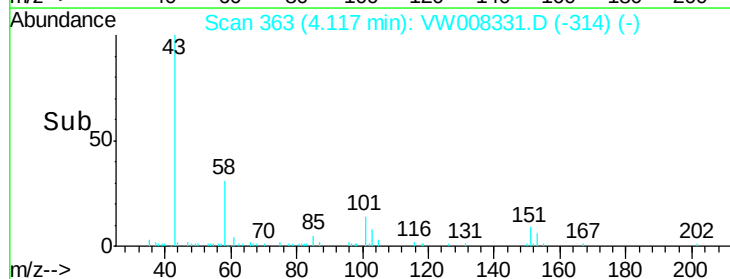
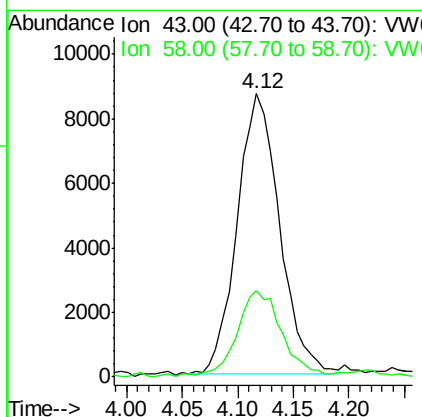
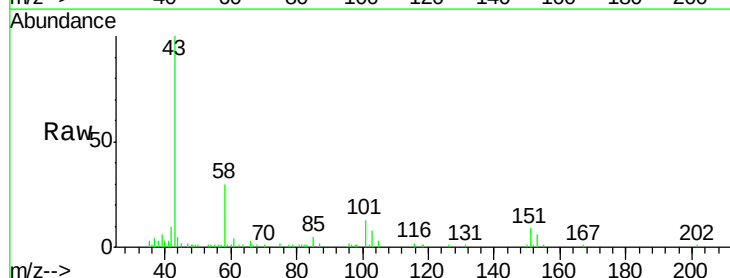
RT: 4.12 min Scan# 363

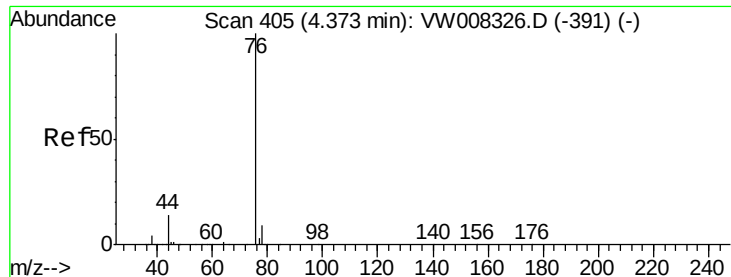
Delta R.T. 0.00 min

Lab File: VW008331.D

Acq: 17 Jan 2019 16:39

Tgt Ion:	43	Resp:	22862
Ion	Ratio	Lower	Upper
43	100		
58	29.6	24.7	37.1





#17

Carbon Disulfide

Concen: 17.513 ug/l

RT: 4.37 min Scan# 405

Delta R.T. 0.00 min

Lab File: VW008331.D

Acq: 17 Jan 2019 16:39

Instrument :

MSVOA_W

ClientSampleId :

VW0117SBS01

Tot Ion: 76 Resp: 60069

Ion Ratio Lower Upper

76 100

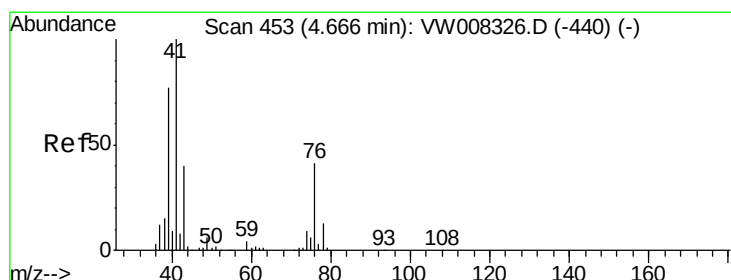
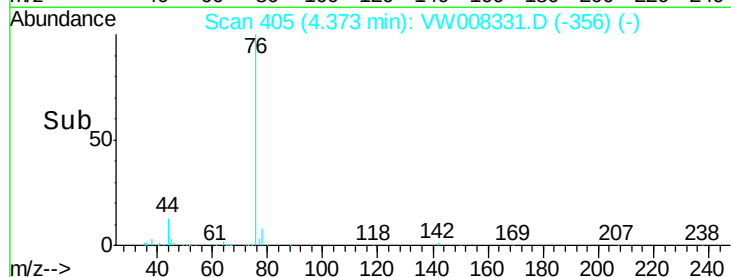
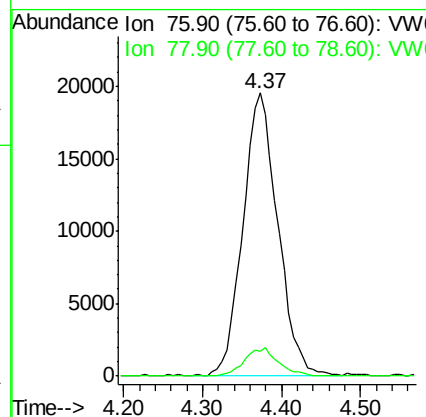
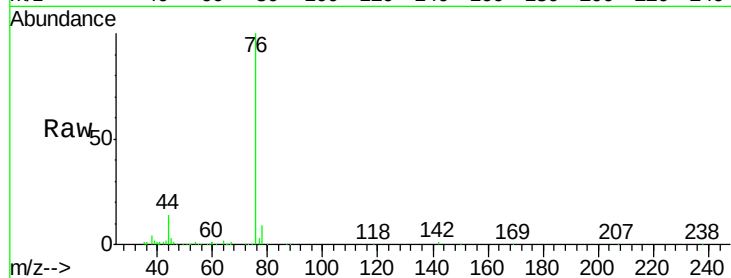
78 8.6 7.0 10.4

Manual Integrations

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#18

Methyl Acetate

Concen: 17.473 ug/l

RT: 4.67 min Scan# 453

Delta R.T. 0.00 min

Lab File: VW008331.D

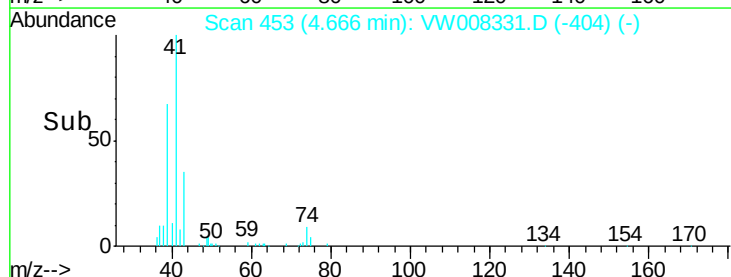
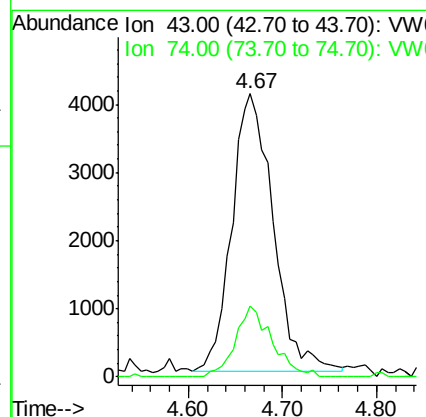
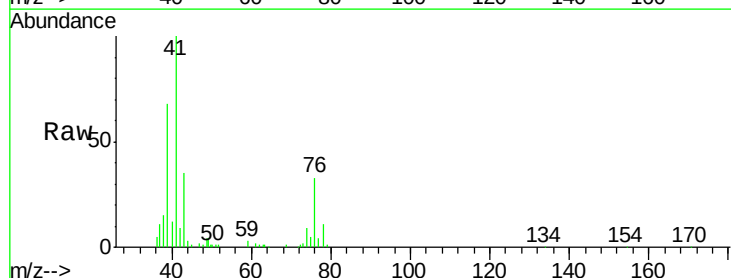
Acq: 17 Jan 2019 16:39

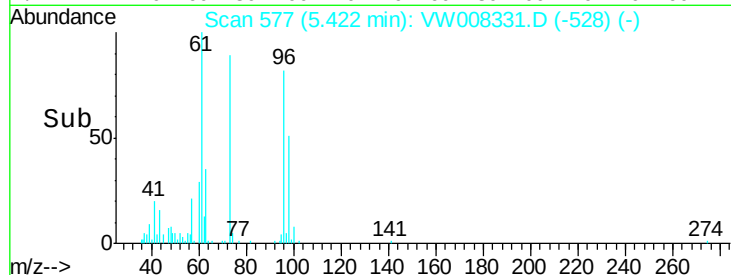
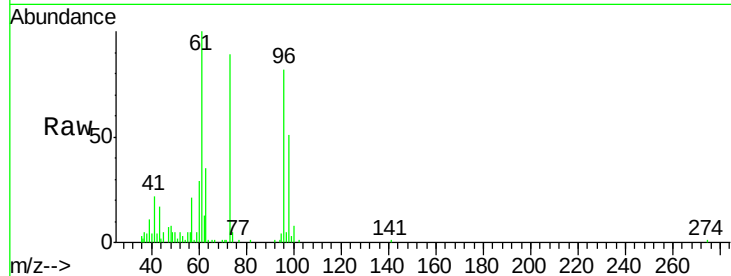
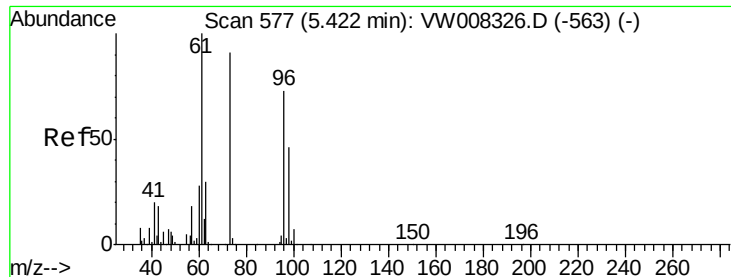
Tgt Ion: 43 Resp: 12387

Ion Ratio Lower Upper

43 100

74 22.7 19.4 29.0





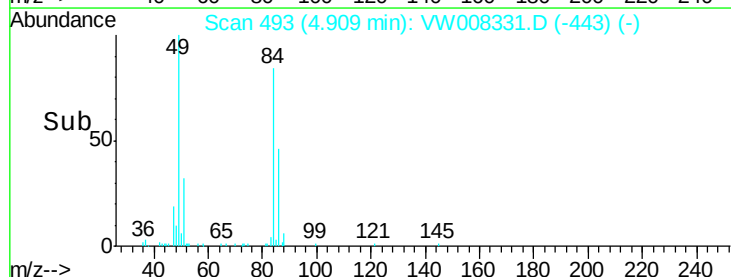
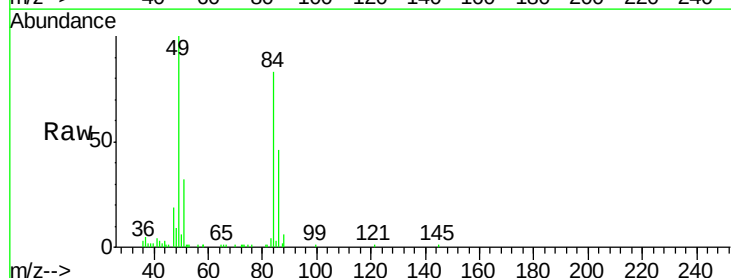
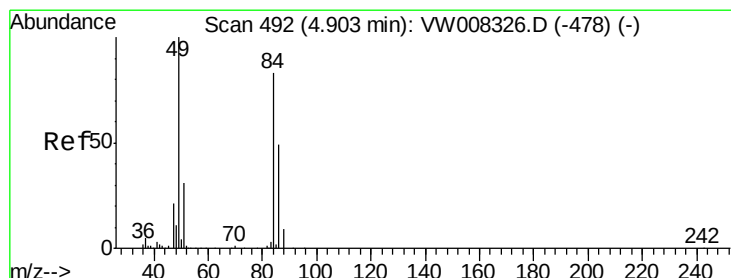
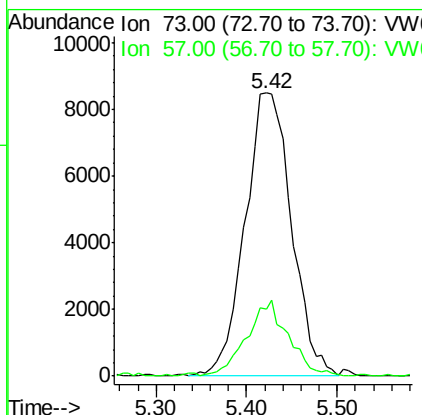
#19
Methyl tert-butyl Ether
Concen: 17.453 ug/l
RT: 5.42 min Scan# 577
Delta R.T. 0.00 min
Lab File: VW008331.D
Acq: 17 Jan 2019 16:39

Tot Ion	Ratio	Lower	Upper
73	100		
57	23.2	16.3	24.5

Instrument :
MSVOA_W
ClientSampleId :
VW0117SBS01

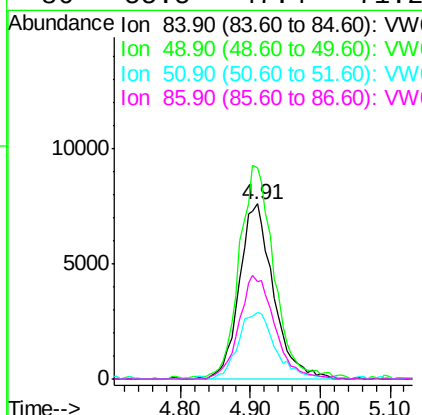
Manual Integrations
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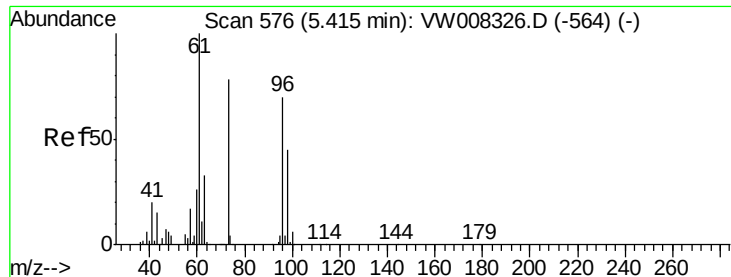
MMDadoda
1/18/2019 2:10:03 PM



#20
Methylene Chloride
Concen: 18.636 ug/l
RT: 4.91 min Scan# 493
Delta R.T. 0.01 min
Lab File: VW008331.D
Acq: 17 Jan 2019 16:39

Tgt Ion	Ratio	Lower	Upper
84	100		
49	119.0	95.9	143.9
51	37.4	29.3	43.9
86	55.5	47.4	71.2





#21

trans-1,2-Dichloroethene

Concen: 18.414 ug/l

RT: 5.42 min Scan# 577

Delta R.T. 0.01 min

Lab File: VW008331.D

Acq: 17 Jan 2019 16:39

Instrument :

MSVOA_W

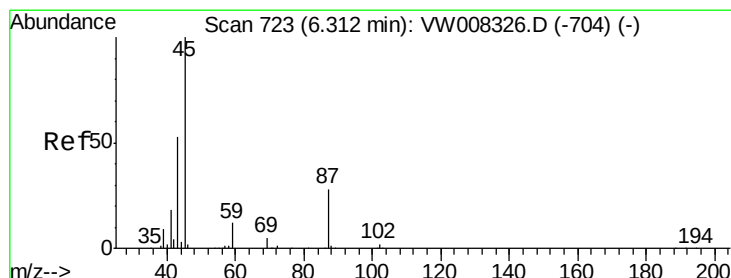
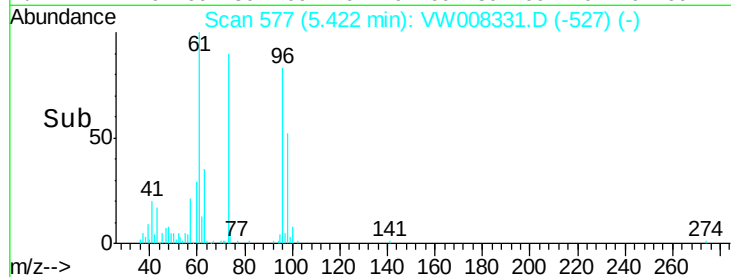
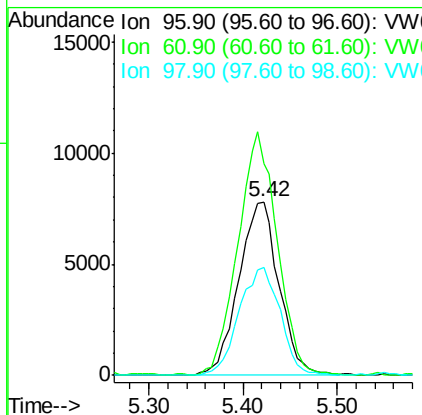
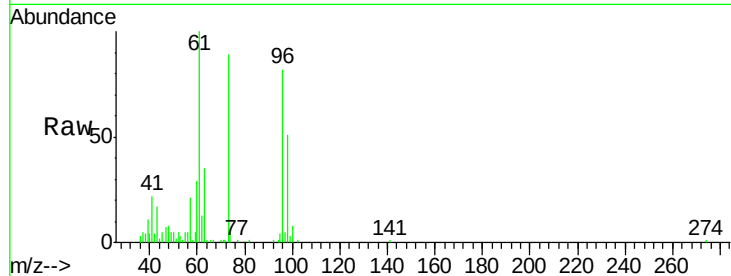
ClientSampleId :

VW0117SBS01

Tot Ion:	96	Resp:	23312
Ion	Ratio	Lower	Upper
96	100		
61	121.8	114.5	171.7
98	62.3	52.0	78.0

Manual Integrations
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#22

Diisopropyl ether

Concen: 18.916 ug/l

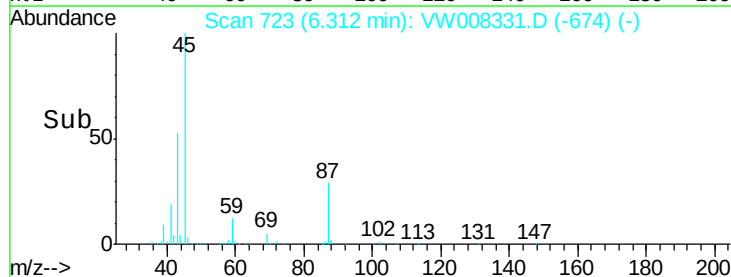
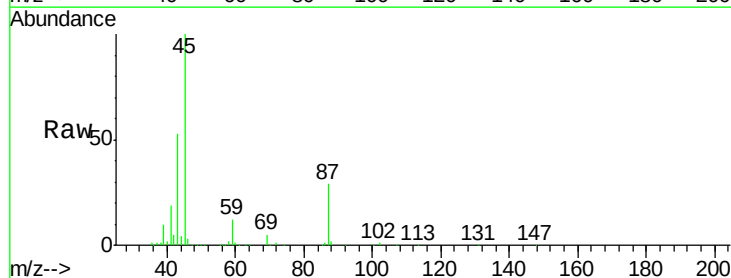
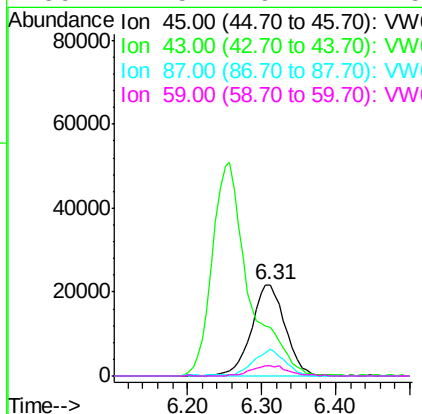
RT: 6.31 min Scan# 723

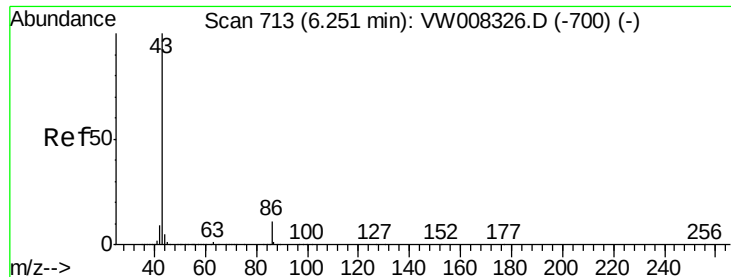
Delta R.T. 0.00 min

Lab File: VW008331.D

Acq: 17 Jan 2019 16:39

Tgt Ion:	45	Resp:	69591
Ion	Ratio	Lower	Upper
45	100		
43	52.7	42.5	63.7
87	28.9	22.2	33.2
59	11.5	9.7	14.5





#23

Vinyl Acetate

Concen: 87.832 ug/l

RT: 6.26 min Scan# 714

Delta R.T. 0.01 min

Lab File: VW008331.D

Acq: 17 Jan 2019 16:39

Instrument :

MSVOA_W

ClientSampled :

VW0117SBS01

Tot Ion: 43 Resp: 172730

Ion Ratio Lower Upper

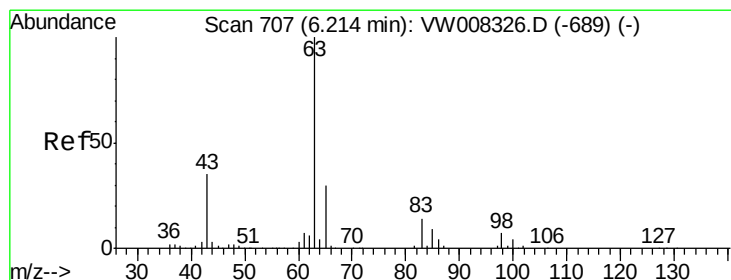
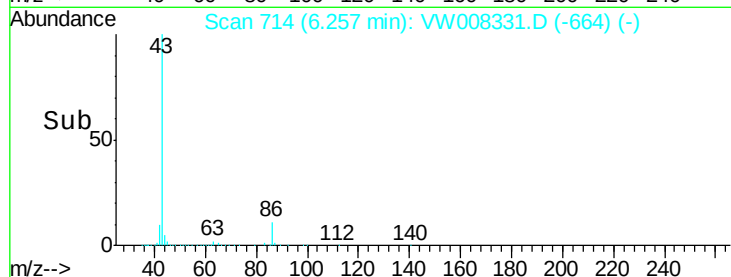
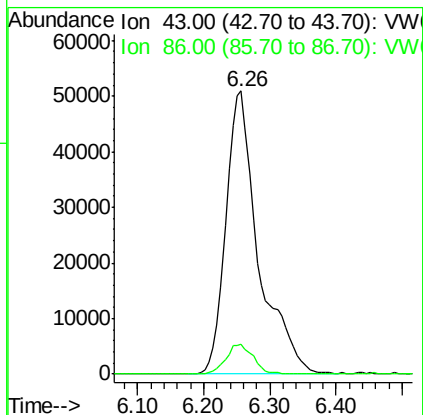
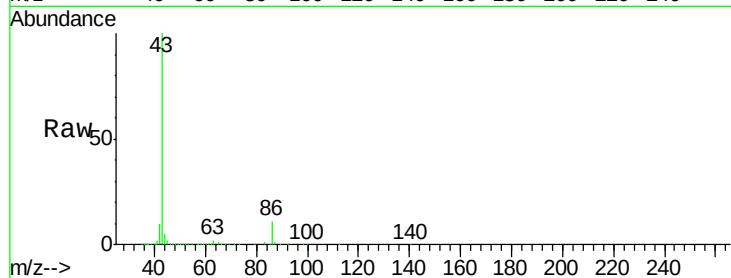
43 100

86 10.8 8.6 13.0

Manual Integrations
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MMDadoda

1/18/2019 2:10:03 PM



#24

1,1-Dichloroethane

Concen: 18.722 ug/l

RT: 6.21 min Scan# 707

Delta R.T. 0.00 min

Lab File: VW008331.D

Acq: 17 Jan 2019 16:39

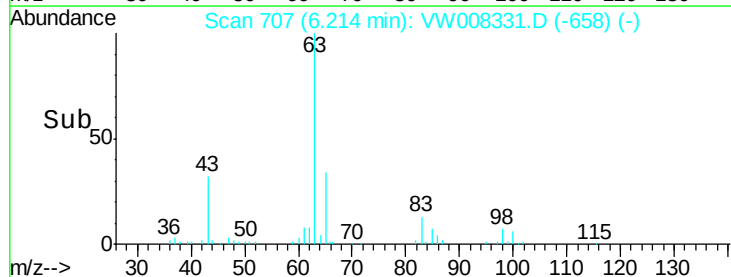
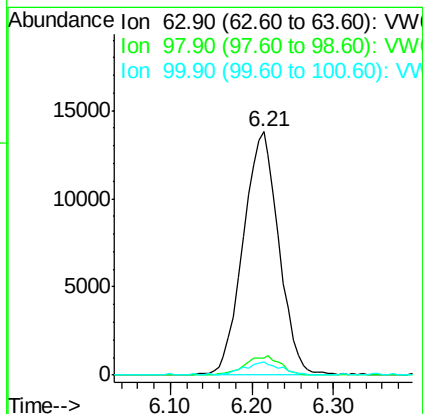
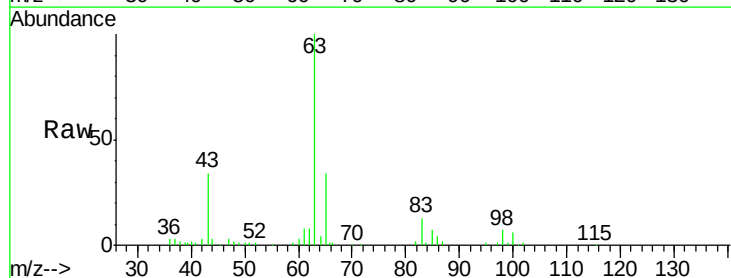
Tgt Ion: 63 Resp: 41938

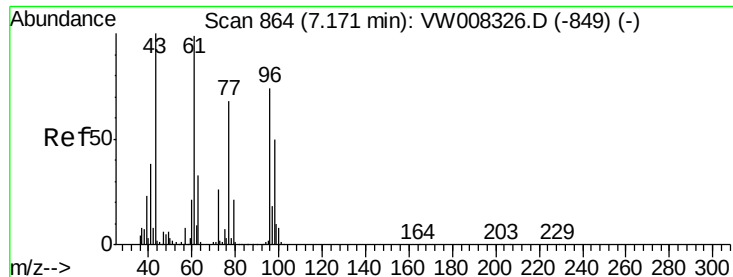
Ion Ratio Lower Upper

63 100

98 7.0 3.5 10.6

100 5.5 2.1 6.3





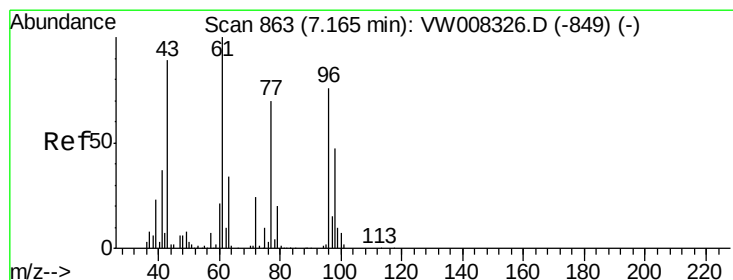
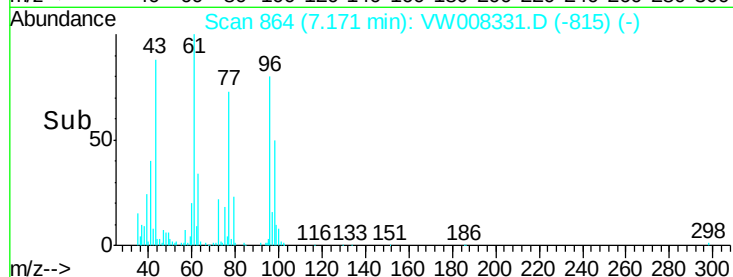
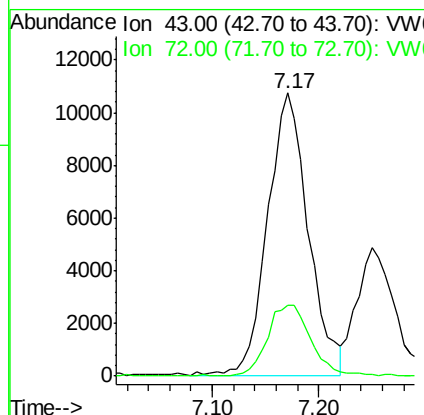
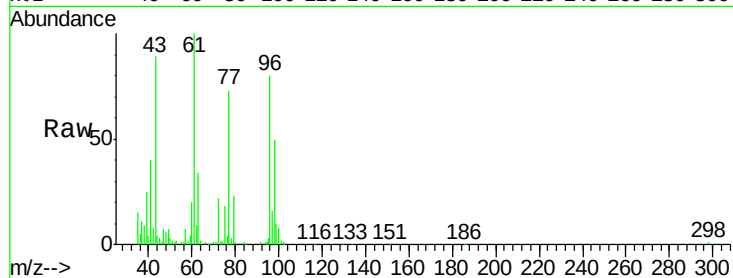
#25
2-Butanone
Concen: 84.373 ug/l
RT: 7.17 min Scan# 864
Delta R.T. 0.00 min
Lab File: VW008331.D
Acq: 17 Jan 2019 16:39

Instrument :
MSVOA_W
ClientSampleId :
VW0117SBS01

Tot Ion	Ratio	Lower	Upper
43	100		
72	24.9	21.2	31.8

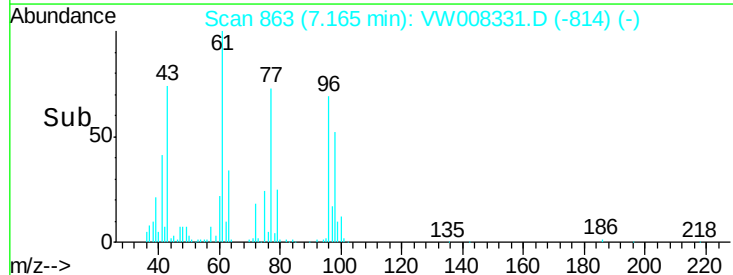
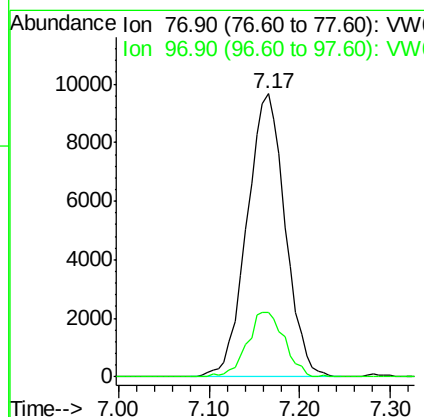
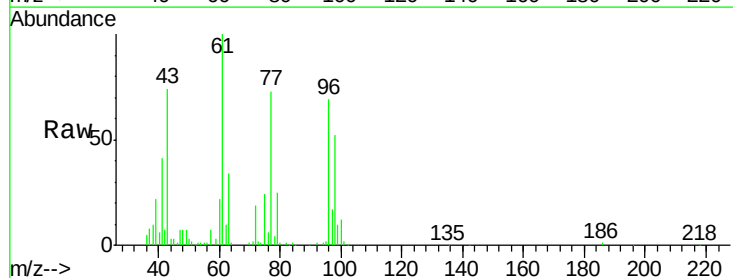
Manual Integrations
APPROVED

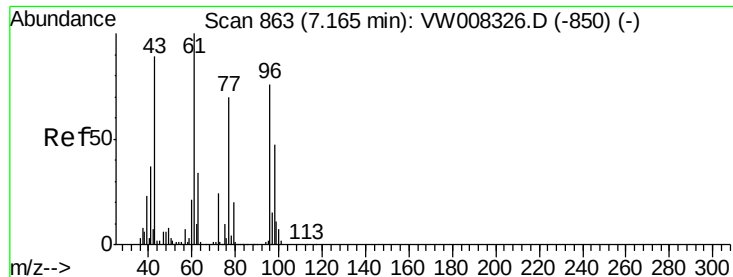
MMDadoda
1/18/2019 2:10:03 PM



#26
2,2-Dichloropropane
Concen: 19.733 ug/l
RT: 7.17 min Scan# 863
Delta R.T. 0.00 min
Lab File: VW008331.D
Acq: 17 Jan 2019 16:39

Tgt Ion	Ratio	Lower	Upper
77	100		
97	22.2	11.7	35.1





#27

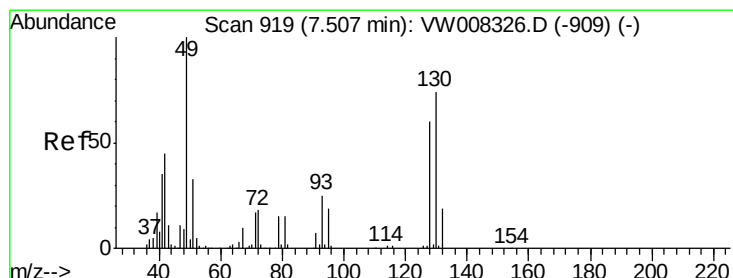
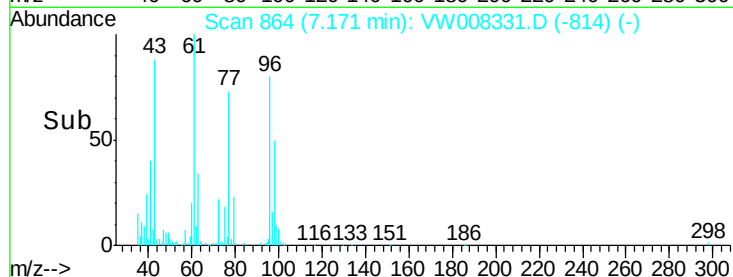
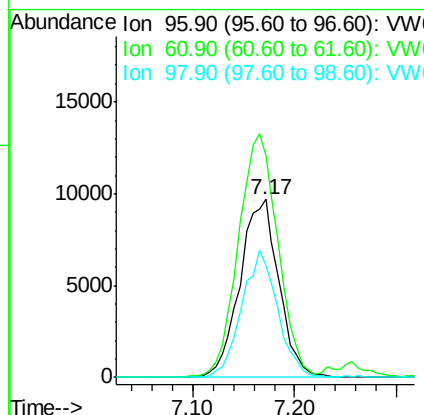
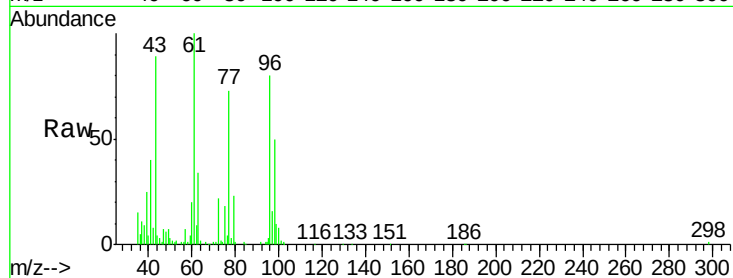
cis-1,2-Dichloroethene
Concen: 18.739 ug/l
RT: 7.17 min Scan# 864
Delta R.T. 0.01 min
Lab File: VW008331.D
Acq: 17 Jan 2019 16:39

Instrument :
MSVOA_W
ClientSampleId :
VW0117SBS01

Tot Ion	Ratio	Lower	Upper
96	100		
61	138.8	0.0	272.2
98	65.5	0.0	129.4

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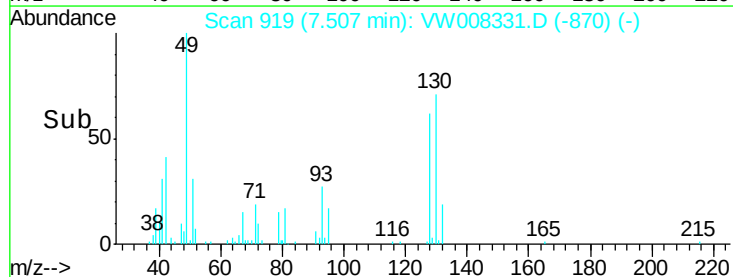
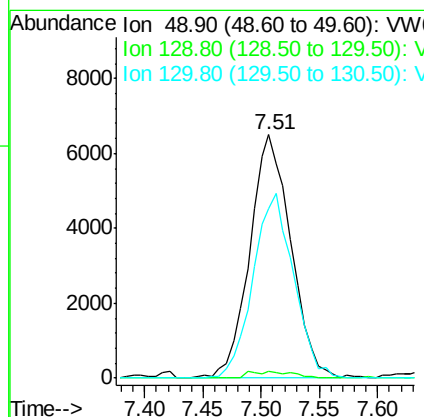
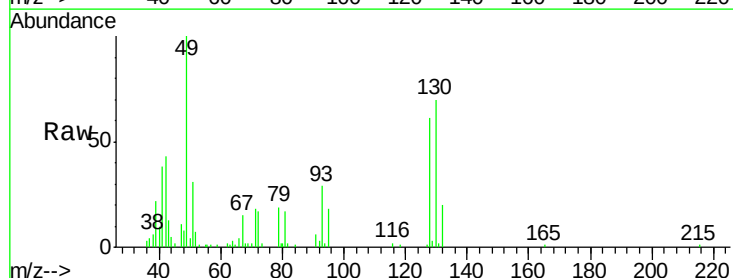
MMDadoda
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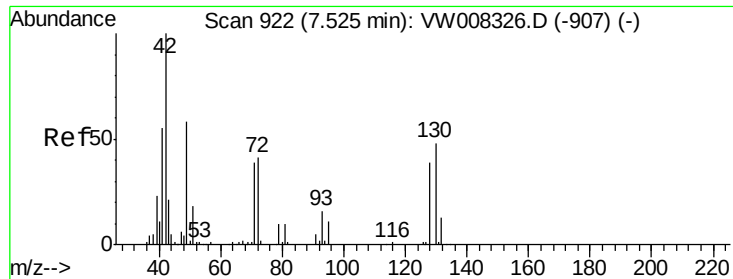


#28

Bromochloromethane
Concen: 17.211 ug/l
RT: 7.51 min Scan# 919
Delta R.T. 0.00 min
Lab File: VW008331.D
Acq: 17 Jan 2019 16:39

Tgt Ion	Ratio	Lower	Upper
49	100		
129	0.0	0.0	2.6
130	75.2	0.0	0.0#





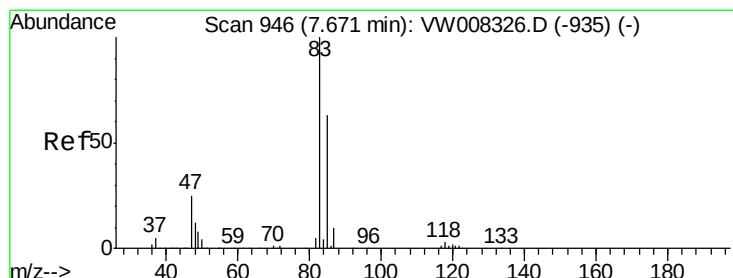
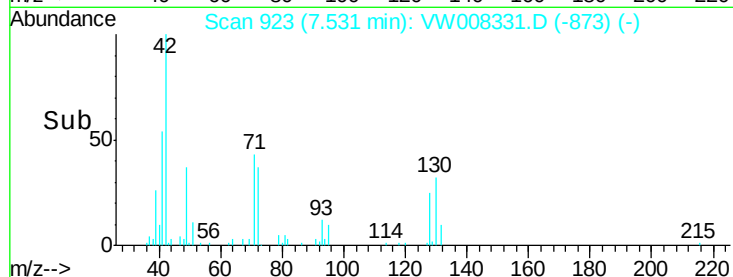
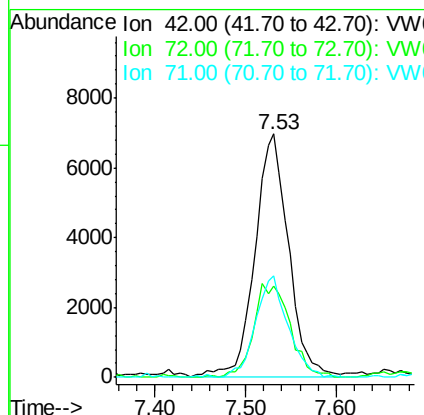
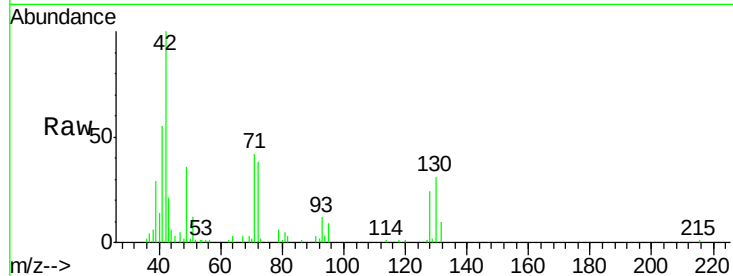
#29
Tetrahydrofuran
Concen: 84.746 ug/l
RT: 7.53 min Scan# 923
Delta R.T. 0.01 min
Lab File: VW008331.D
Acq: 17 Jan 2019 16:39

Instrument :
MSVOA_W
ClientSampleId :
VW0117SBS01

Tot Ion	Ratio	Lower	Upper
42	100		
72	41.7	34.0	51.0
71	40.0	32.0	48.0

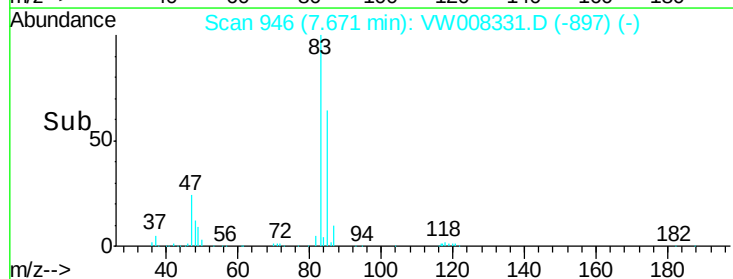
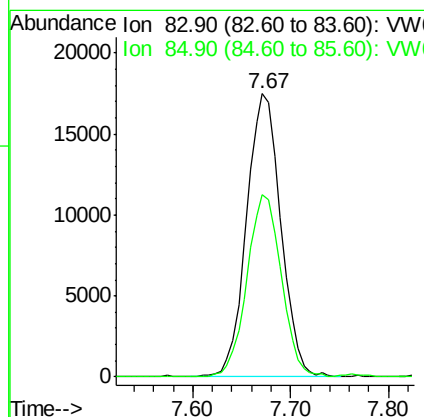
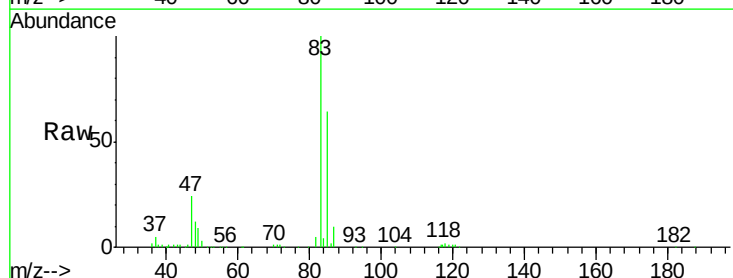
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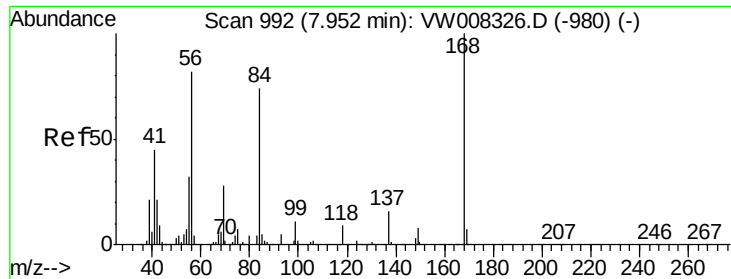
MMDadoda
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#30
Chloroform
Concen: 19.176 ug/l
RT: 7.67 min Scan# 946
Delta R.T. 0.00 min
Lab File: VW008331.D
Acq: 17 Jan 2019 16:39

Tgt Ion	Ratio	Lower	Upper
83	100		
85	64.4	50.2	75.2





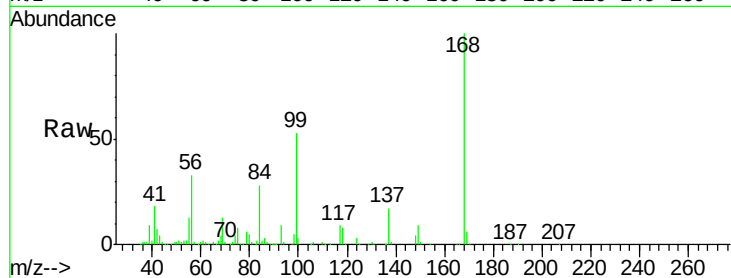
#31
Cyclohexane
Concen: 18.466 ug/l
RT: 7.95 min Scan# 992
Delta R.T. 0.00 min
Lab File: VW008331.D
Acq: 17 Jan 2019 16:39

Instrument :
MSVOA_W
ClientSampleId :
VW0117SBS01

Tot Ion	Ratio	Lower	Upper
56	100		
69	40.2	27.0	40.6
84	85.5	72.5	108.7

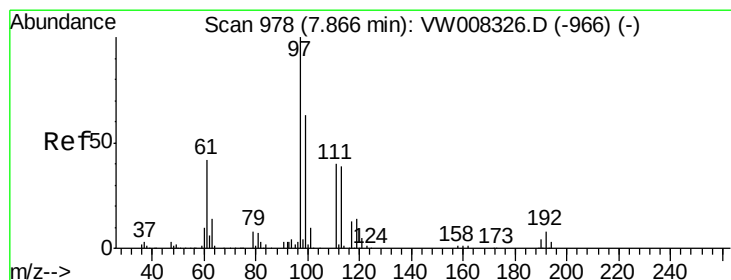
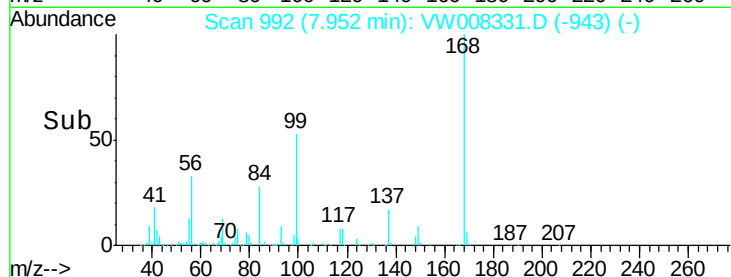
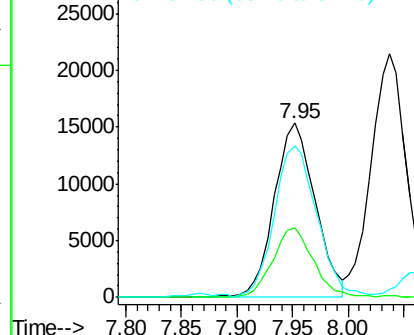
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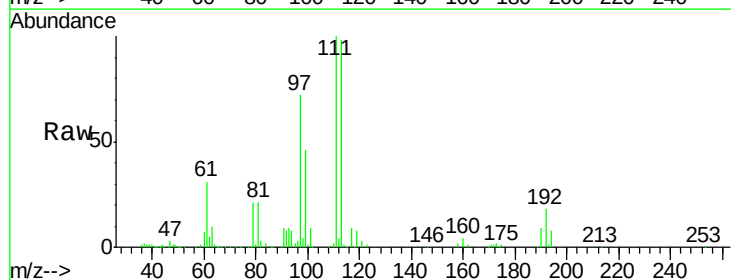
Abundance

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



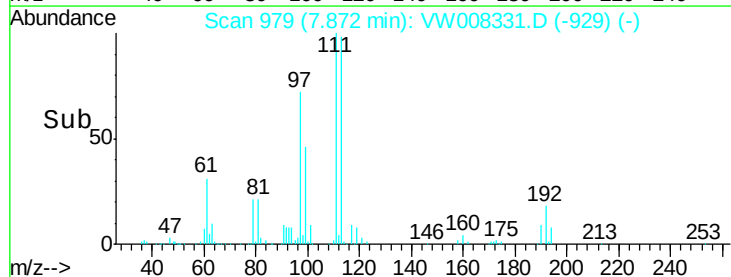
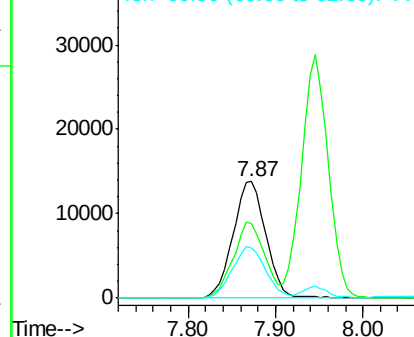
#32
1,1,1-Trichloroethane
Concen: 19.384 ug/l
RT: 7.87 min Scan# 979
Delta R.T. 0.01 min
Lab File: VW008331.D
Acq: 17 Jan 2019 16:39

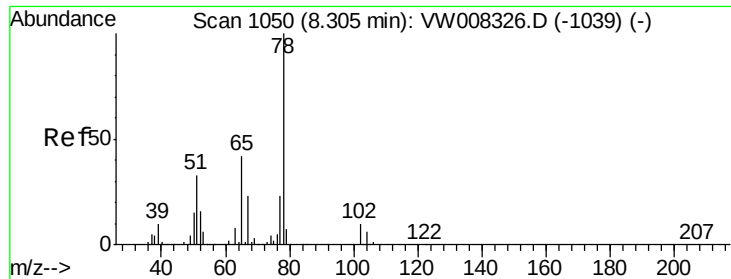
Tgt Ion	Ratio	Lower	Upper
97	100		
99	62.2	51.1	76.7
61	45.0	34.0	51.0



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





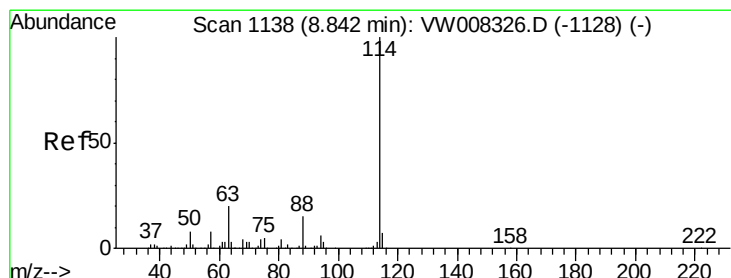
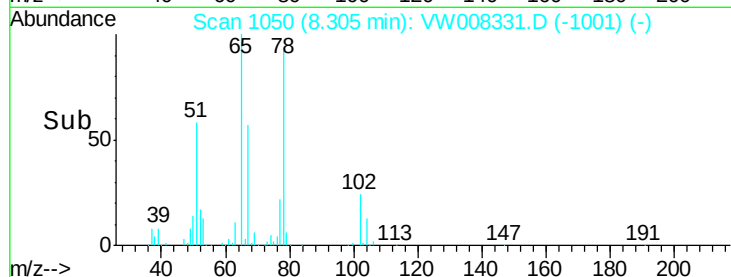
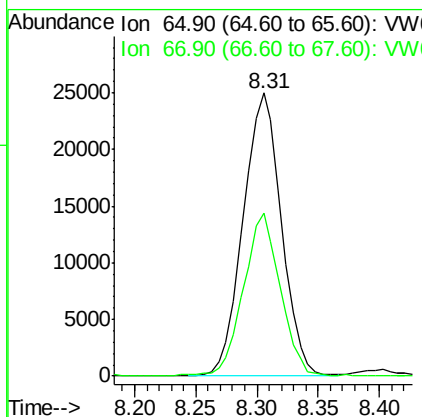
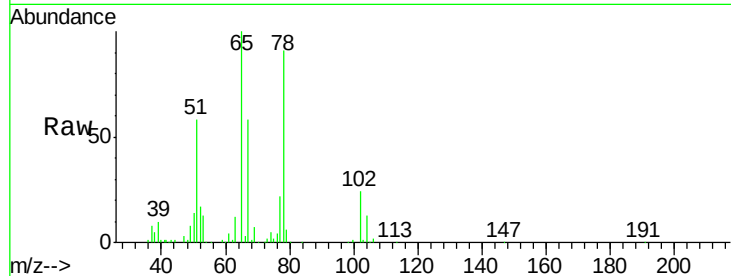
#33
 1,2-Dichloroethane-d4
 Concen: 47.607 ug/l
 RT: 8.31 min Scan# 1050
 Delta R.T. 0.00 min
 Lab File: VW008331.D
 Acq: 17 Jan 2019 16:39

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0117SBS01

Tot Ion	Ratio	Resp	Lower	Upper
65	100			
67	55.5	0.0	106.2	

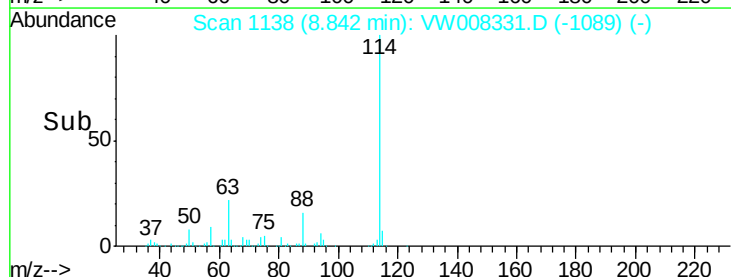
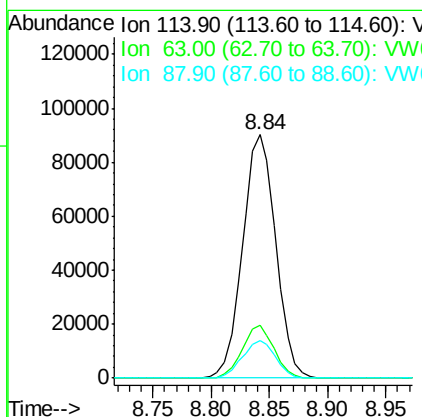
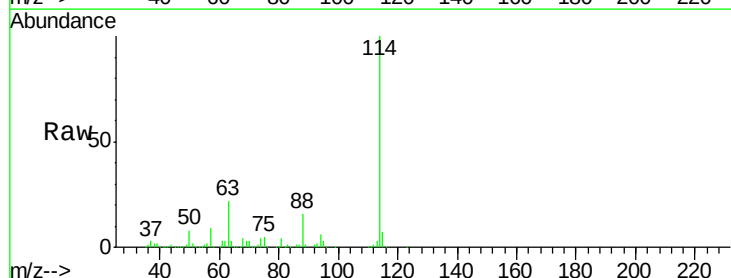
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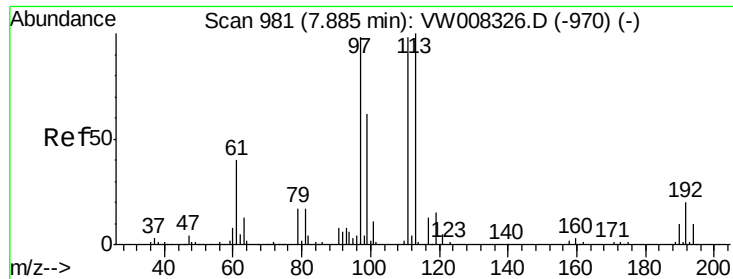
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1138
 Delta R.T. 0.00 min
 Lab File: VW008331.D
 Acq: 17 Jan 2019 16:39

Tgt Ion	Ratio	Resp	Lower	Upper
114	100			
63	21.7	0.0	40.8	
88	15.6	0.0	30.4	





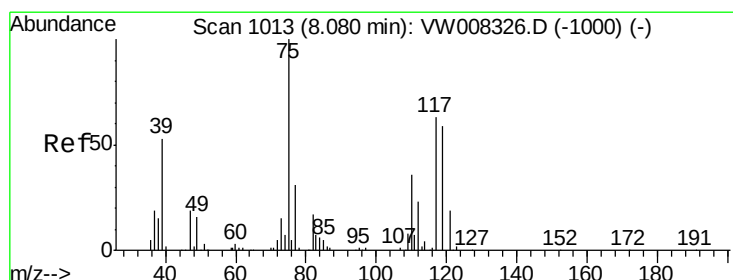
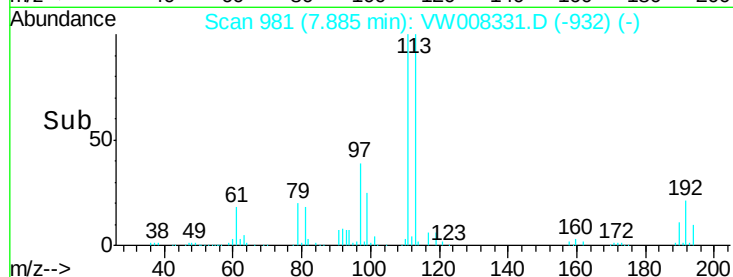
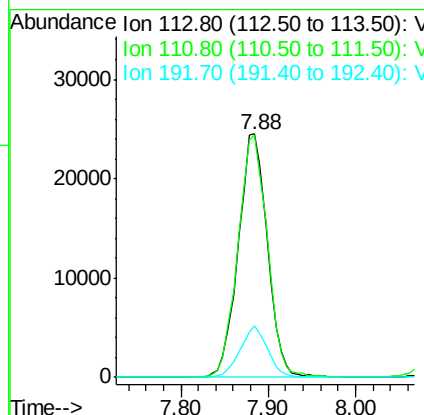
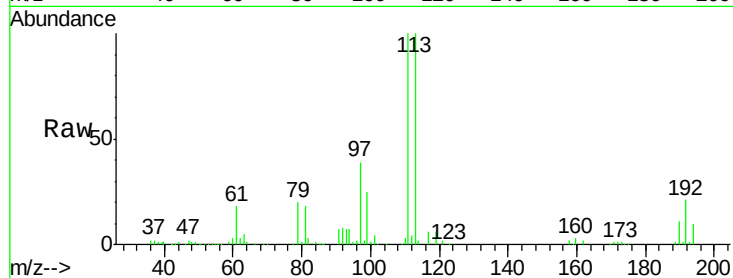
#35
 Dibromofluoromethane
 Concen: 49.720 ug/l
 RT: 7.88 min Scan# 981
 Delta R.T. 0.00 min
 Lab File: VW008331.D
 Acq: 17 Jan 2019 16:39

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0117SBS01

Tot Ion	Ratio	Lower	Upper
113	100		
111	100.5	81.8	122.8
192	19.9	16.3	24.5

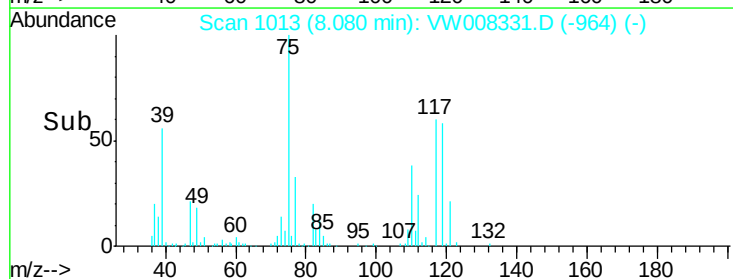
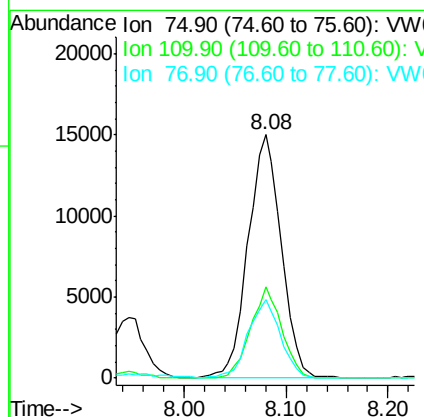
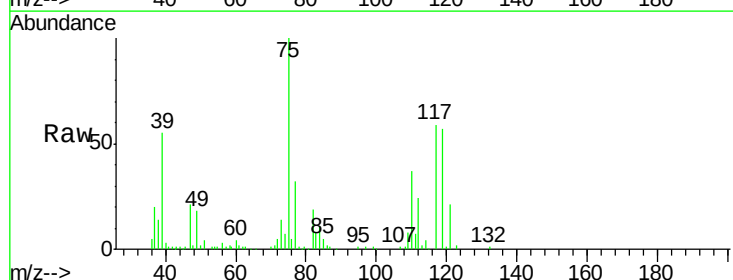
Manual Integrations
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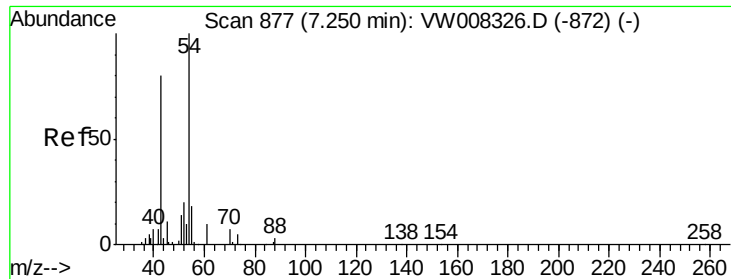
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#36
 1,1-Dichloropropene
 Concen: 18.864 ug/l
 RT: 8.08 min Scan# 1013
 Delta R.T. 0.00 min
 Lab File: VW008331.D
 Acq: 17 Jan 2019 16:39

Tgt Ion	Ratio	Lower	Upper
75	100		
110	35.0	17.5	52.6
77	31.5	25.0	37.6





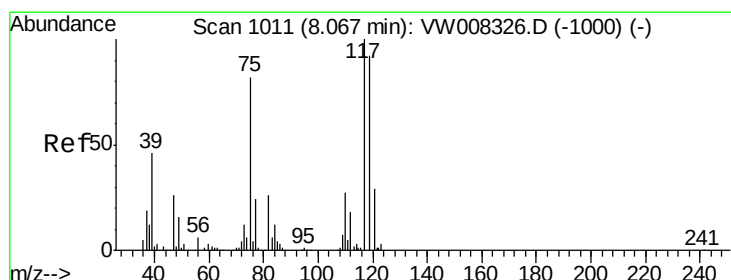
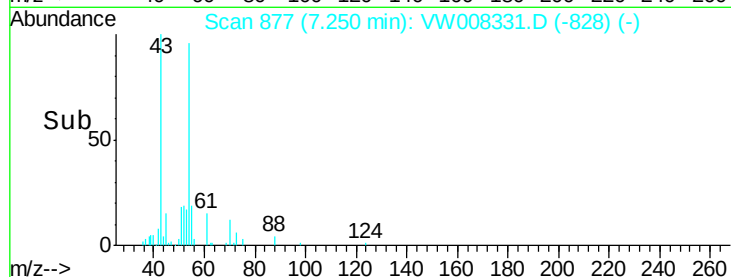
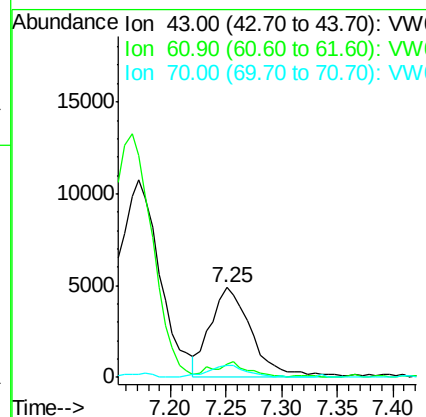
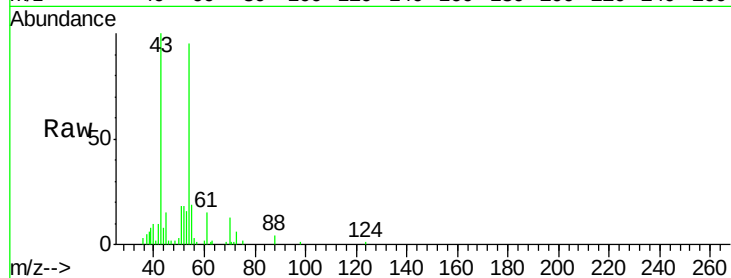
#37
Ethyl Acetate
Concen: 16.686 ug/l
RT: 7.25 min Scan# 877
Delta R.T. 0.00 min
Lab File: VW008331.D
Acq: 17 Jan 2019 16:39

Instrument :
MSVOA_W
ClientSampleId :
VW0117SBS01

Tot Ion	Ratio	Lower	Upper
43	100		
61	14.8	11.5	17.3
70	12.9	8.8	13.2

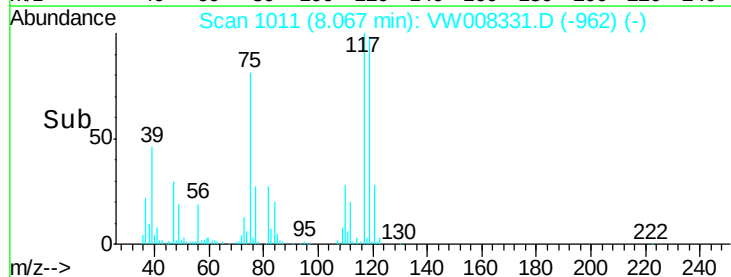
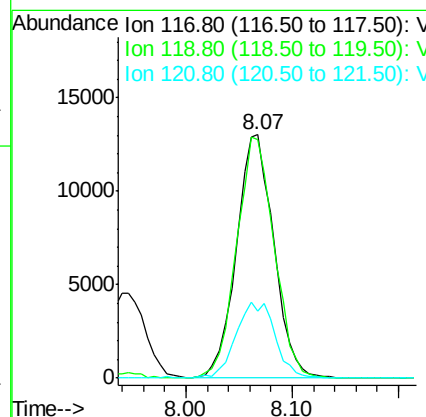
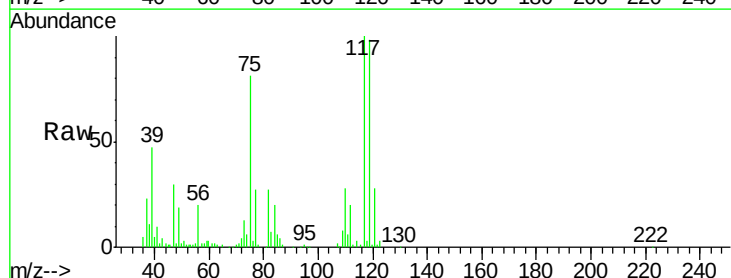
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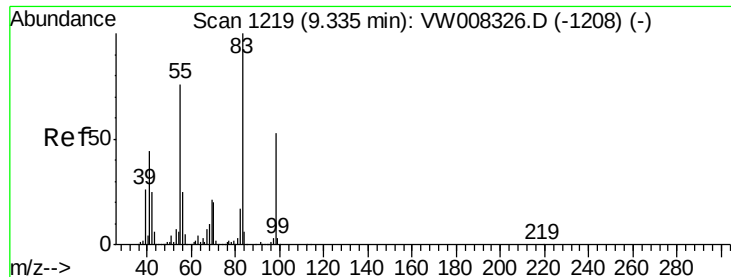
MMDadoda
1/18/2019 2:10:03 PM



#38
Carbon Tetrachloride
Concen: 18.052 ug/l
RT: 8.07 min Scan# 1011
Delta R.T. 0.00 min
Lab File: VW008331.D
Acq: 17 Jan 2019 16:39

Tgt Ion	Ratio	Lower	Upper
117	100		
119	98.0	73.8	110.6
121	27.6	23.4	35.0





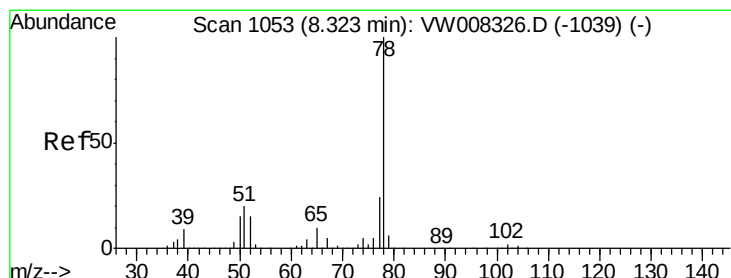
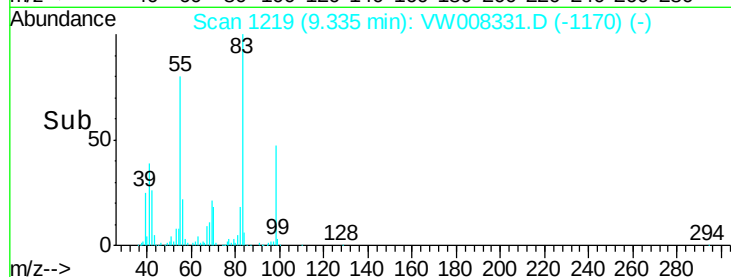
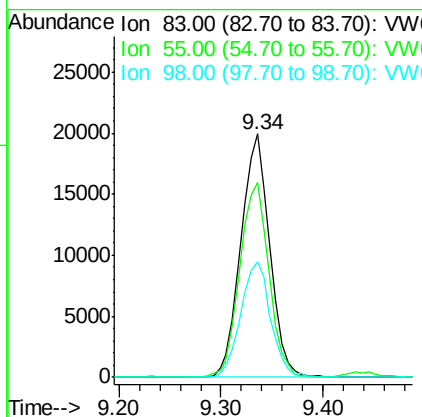
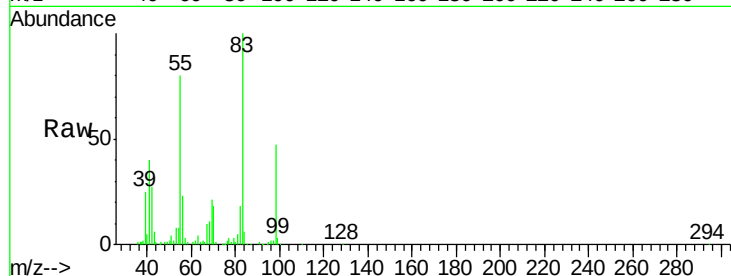
#39
Methylvlcyclohexane
Concen: 18.302 ug/l
RT: 9.34 min Scan# 1219
Delta R.T. 0.00 min
Lab File: VW008331.D
Acq: 17 Jan 2019 16:39

Instrument :
MSVOA_W
ClientSampleId :
VW0117SBS01

Tot Ion	83	Resp	39232
Ion Ratio	Lower	Upper	
83	100		
55	80.1	61.1	91.7
98	47.3	42.5	63.7

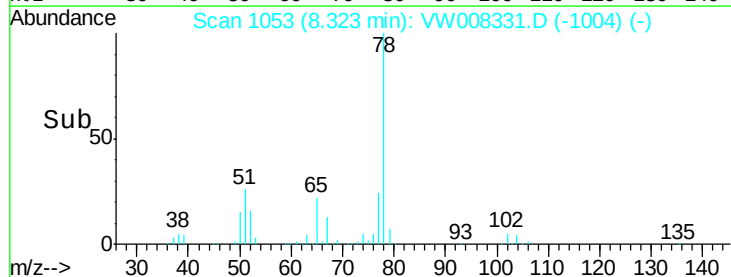
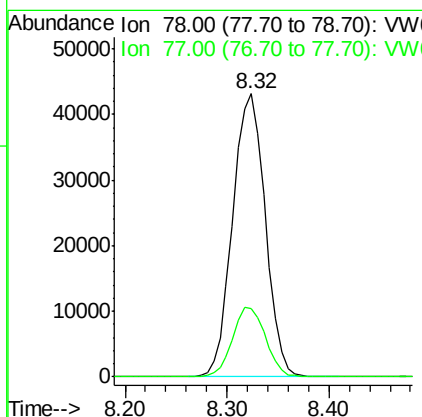
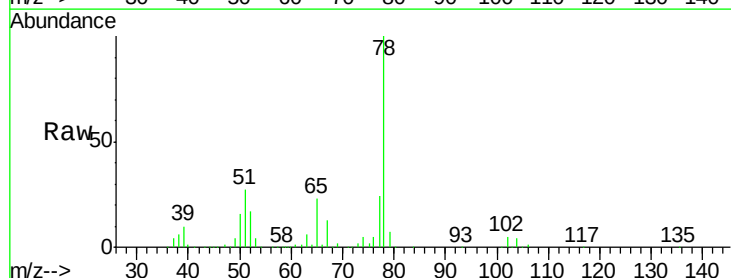
Manual Integrations
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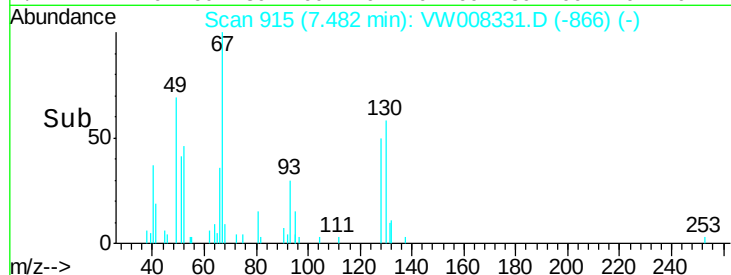
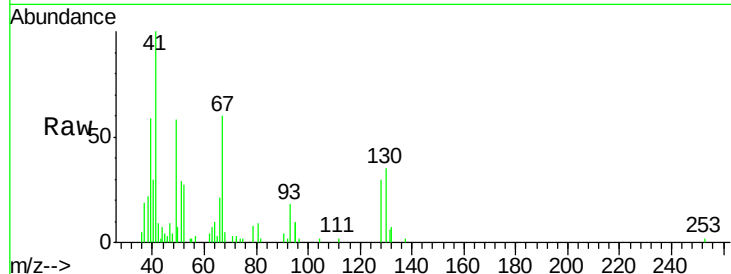
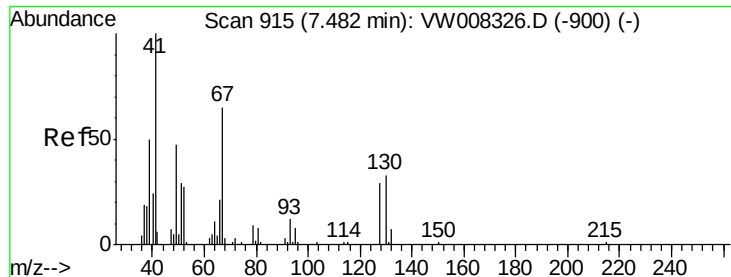
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1/18/2019 2:10:03 PM



#40
Benzene
Concen: 18.746 ug/l
RT: 8.32 min Scan# 1053
Delta R.T. 0.00 min
Lab File: VW008331.D
Acq: 17 Jan 2019 16:39

Tgt Ion	78	Resp	95693
Ion Ratio	Lower	Upper	
78	100		
77	23.9	19.4	29.0





#41

Methacrylonitrile

Concen: 16.926 ug/l

RT: 7.48 min Scan# 915

Delta R.T. 0.00 min

Lab File: VW008331.D

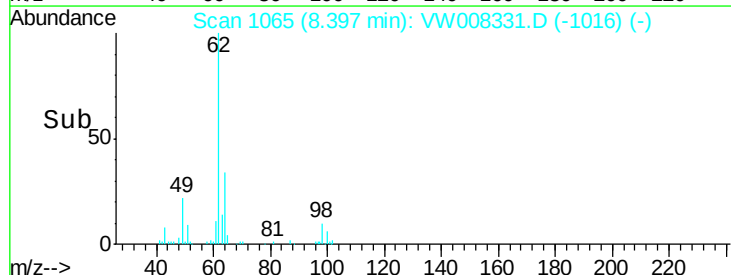
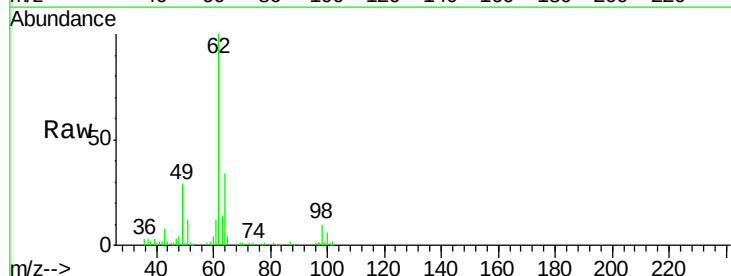
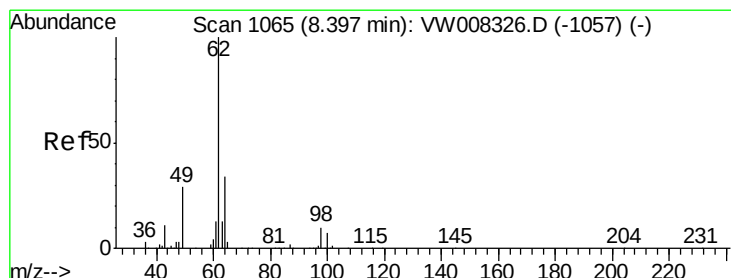
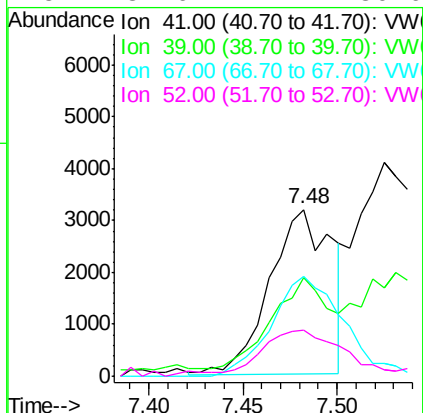
Acq: 17 Jan 2019 16:39

Tot Ion	41	Resp:	7322
Ion	Ratio	Lower	Upper
41	100		
39	51.1	44.9	67.3
67	69.3	56.9	85.3
52	34.6	24.4	36.6

Instrument :
MSVOA_W
ClientSampleId :
VW0117SBS01

Manual Integrations
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1/18/2019 2:10:03 PM



#42

1,2-Dichloroethane

Concen: 18.379 ug/l

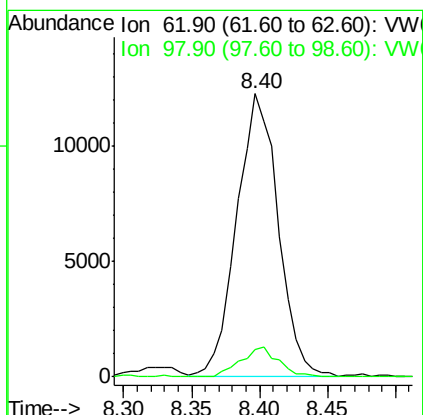
RT: 8.40 min Scan# 1065

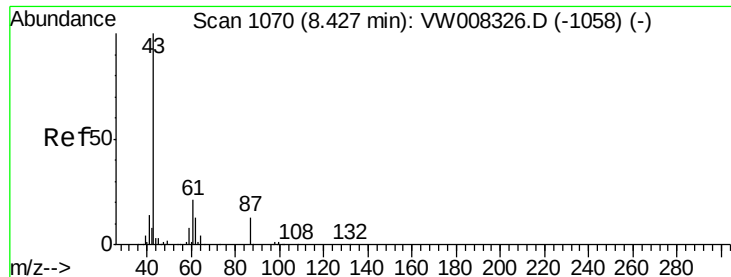
Delta R.T. 0.00 min

Lab File: VW008331.D

Acq: 17 Jan 2019 16:39

Tgt Ion	62	Resp:	26234
Ion	Ratio	Lower	Upper
62	100		
98	9.6	0.0	19.0





#43

Isopropyl Acetate

Concen: 16.761 ug/l

RT: 8.42 min Scan# 1069

Delta R.T. -0.01 min

Lab File: VW008331.D

Acq: 17 Jan 2019 16:39

Instrument :

MSVOA_W

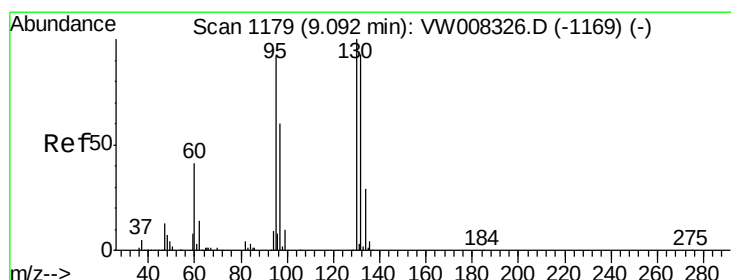
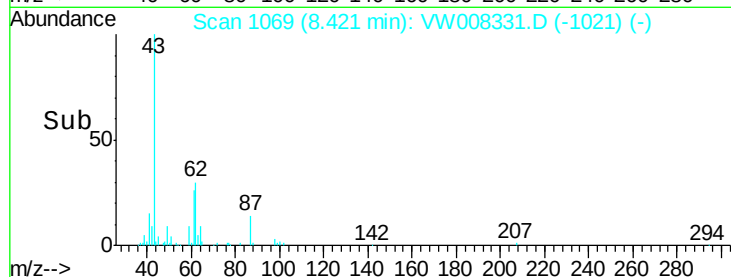
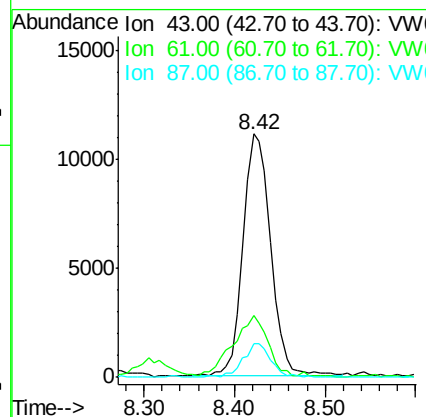
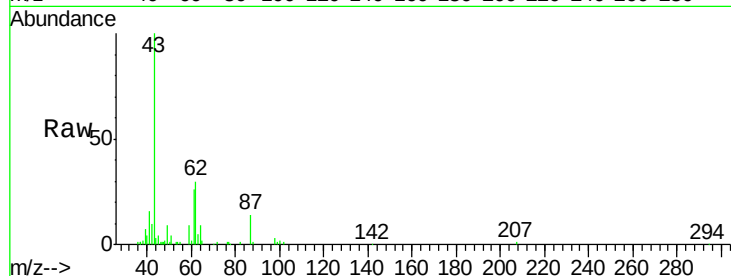
ClientSampleId :

VW0117SBS01

Tot Ion:	43	Resp:	23528
Ion	Ratio	Lower	Upper
43	100		
61	30.9	24.8	37.2
87	14.3	10.7	16.1

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#44

Trichloroethene

Concen: 18.751 ug/l

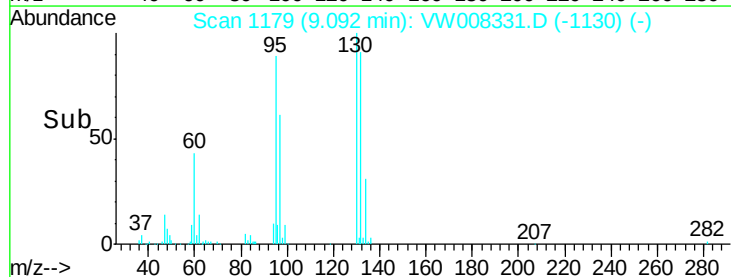
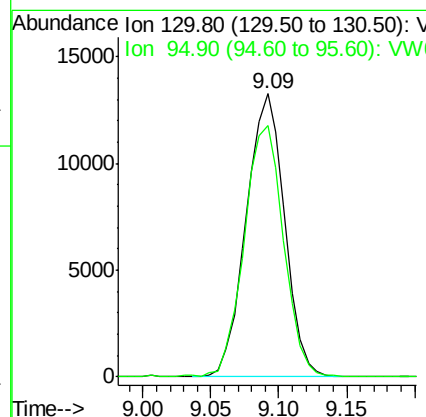
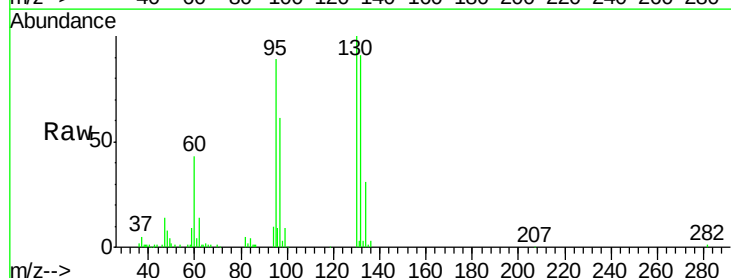
RT: 9.09 min Scan# 1179

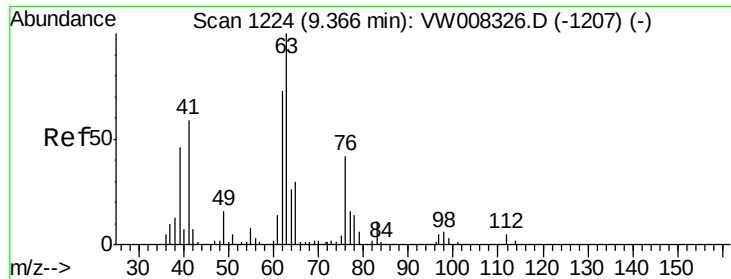
Delta R.T. 0.00 min

Lab File: VW008331.D

Acq: 17 Jan 2019 16:39

Tgt Ion:	130	Resp:	26224
Ion	Ratio	Lower	Upper
130	100		
95	88.8	0.0	184.8





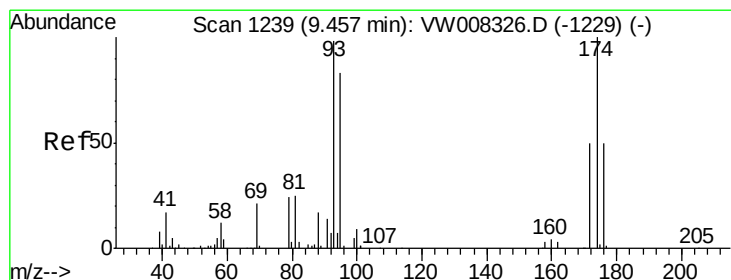
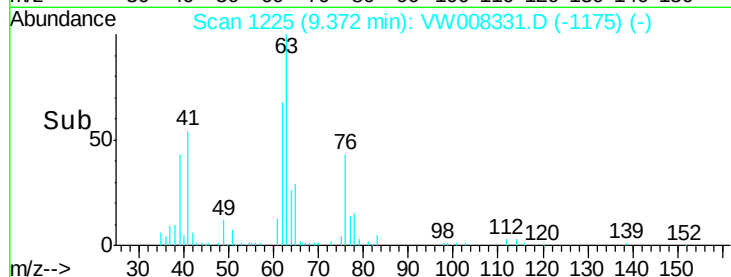
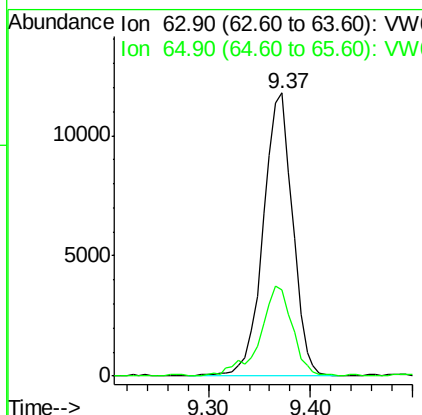
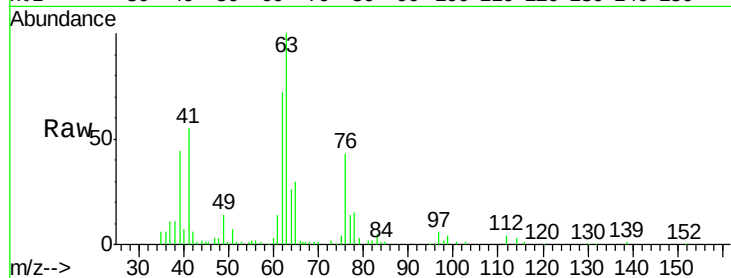
#45
 1,2-Dichloropropane
 Concen: 18.634 ug/l
 RT: 9.37 min Scan# 1225
 Delta R.T. 0.01 min
 Lab File: VW008331.D
 Acq: 17 Jan 2019 16:39

Instrument :
 MSVOA_W
 ClientSampled :
 VW0117SBS01

Tot Ion	Ratio	Lower	Upper
63	100		
65	30.3	23.9	35.9

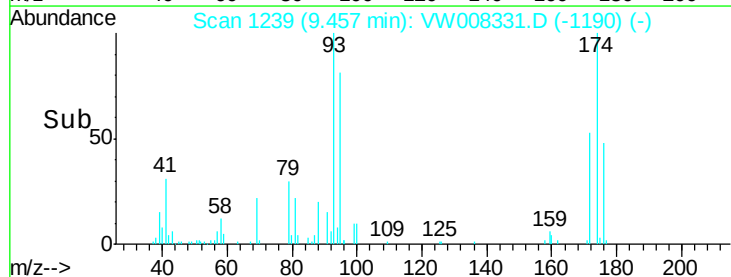
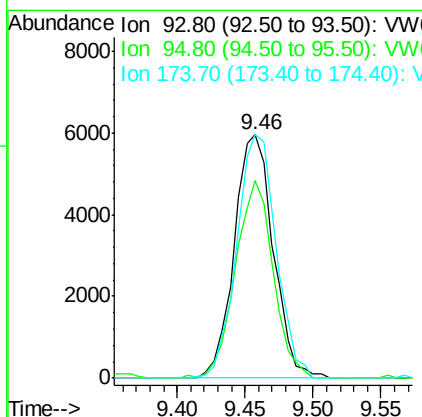
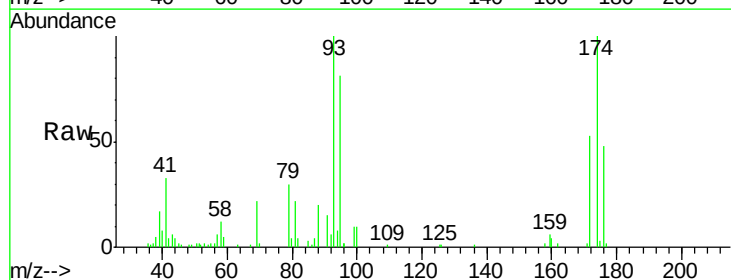
Manual Integrations
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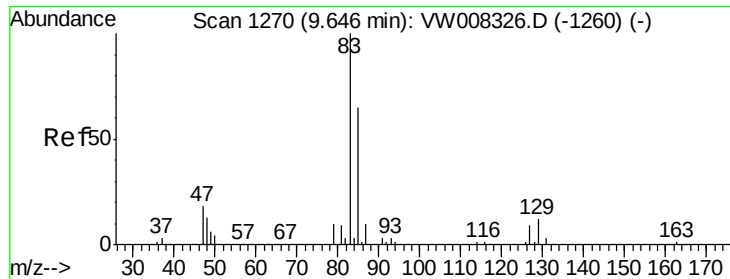
MMDadoda
 1/18/2019 2:10:03 PM



#46
 Dibromomethane
 Concen: 18.033 ug/l
 RT: 9.46 min Scan# 1239
 Delta R.T. 0.00 min
 Lab File: VW008331.D
 Acq: 17 Jan 2019 16:39

Tgt Ion	Ratio	Lower	Upper
93	100		
95	78.5	67.8	101.8
174	101.1	84.4	126.6





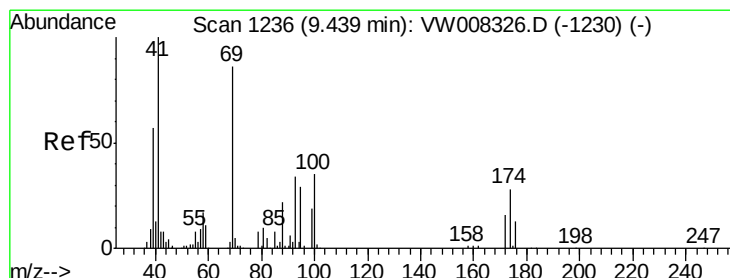
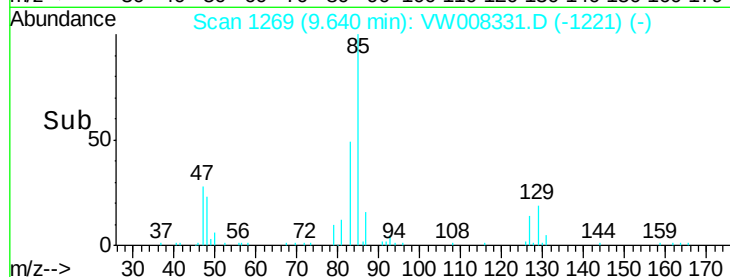
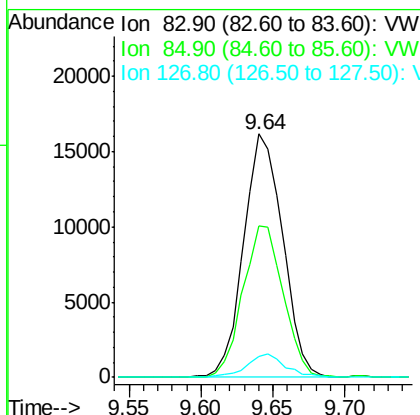
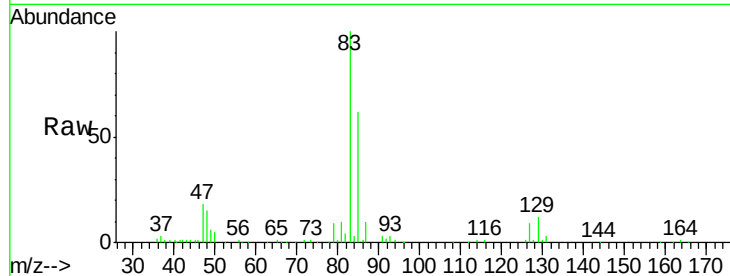
#47
Bromodichloromethane
Concen: 18.620 ug/l
RT: 9.64 min Scan# 1269
Delta R.T. -0.01 min
Lab File: VW008331.D
Acq: 17 Jan 2019 16:39

Instrument :
MSVOA_W
ClientSampleId :
VW0117SBS01

Tot Ion	83	Resp	30352
Ion Ratio	100	Lower	Upper
85	62.4	51.6	77.4
127	8.8	6.8	10.2

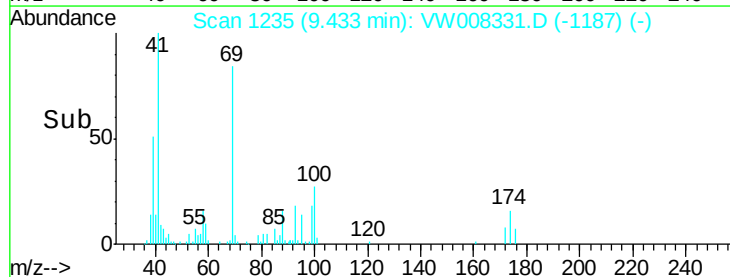
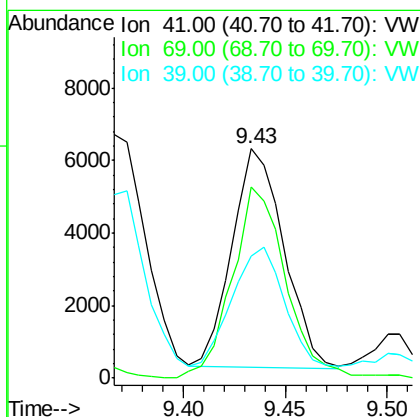
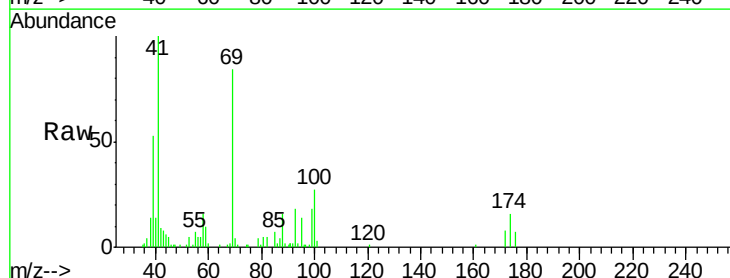
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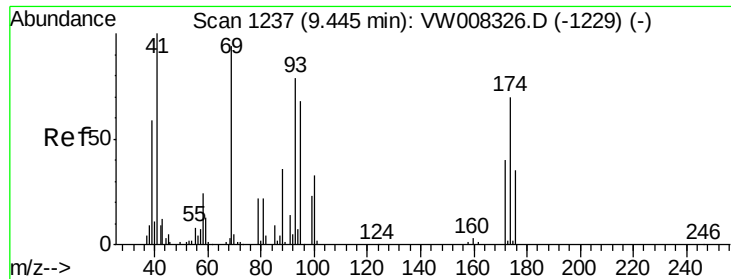
MMDadoda
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#48
Methyl methacrylate
Concen: 16.171 ug/l
RT: 9.43 min Scan# 1235
Delta R.T. -0.01 min
Lab File: VW008331.D
Acq: 17 Jan 2019 16:39

Tgt Ion	41	Resp	10686
Ion Ratio	100	Lower	Upper
69	90.7	68.2	102.4
39	62.0	46.0	69.0





#49

1,4-Dioxane

Concen: 345.254 ug/l

RT: 9.45 min Scan# 1237

Delta R.T. 0.00 min

Lab File: VW008331.D

Acq: 17 Jan 2019 16:39

Instrument :

MSVOA_W

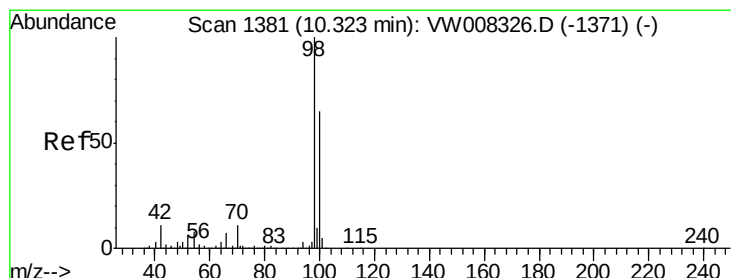
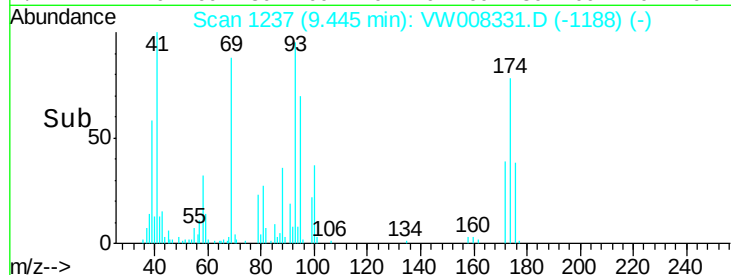
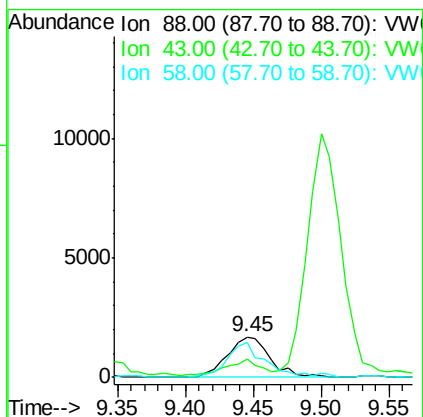
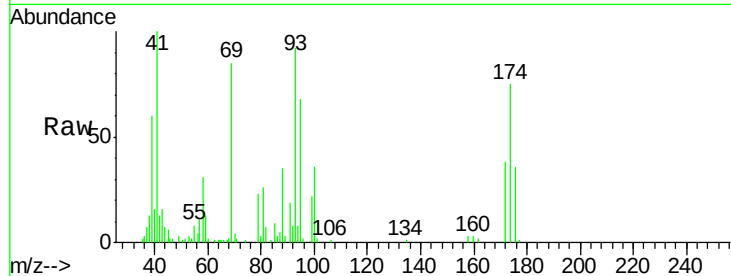
ClientSampled :

VW0117SBS01

Tot Ion:	88	Resp:	3673
Ion	Ratio	Lower	Upper
88	100		
43	39.0	27.1	40.7
58	78.4	57.9	86.9

Manual Integrations
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#50

Toluene-d8

Concen: 51.971 ug/l

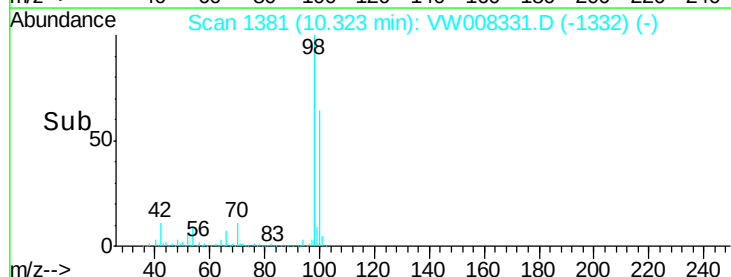
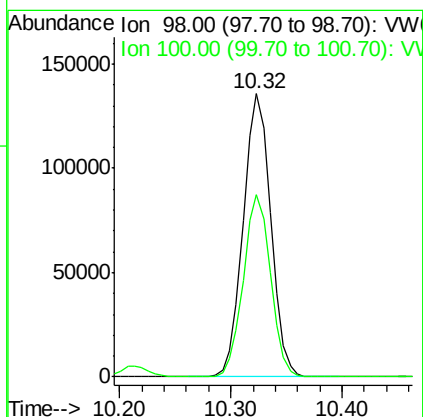
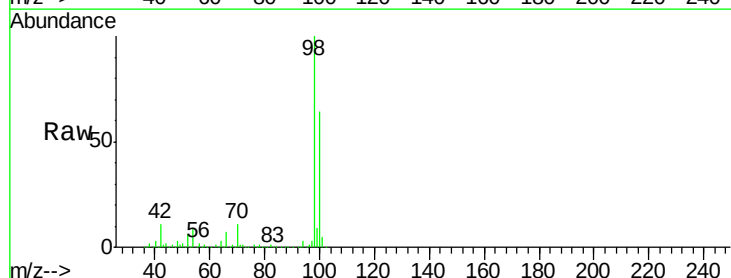
RT: 10.32 min Scan# 1381

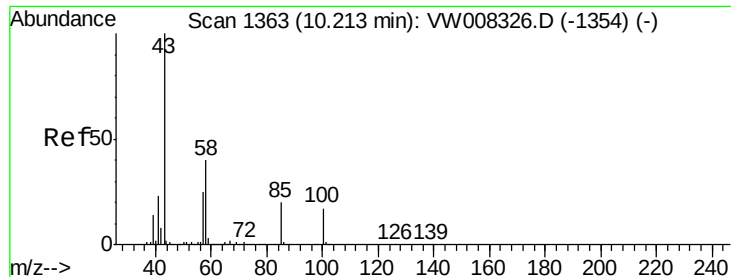
Delta R.T. 0.00 min

Lab File: VW008331.D

Acq: 17 Jan 2019 16:39

Tgt Ion:	98	Resp:	233438
Ion	Ratio	Lower	Upper
98	100		
100	63.9	51.8	77.8





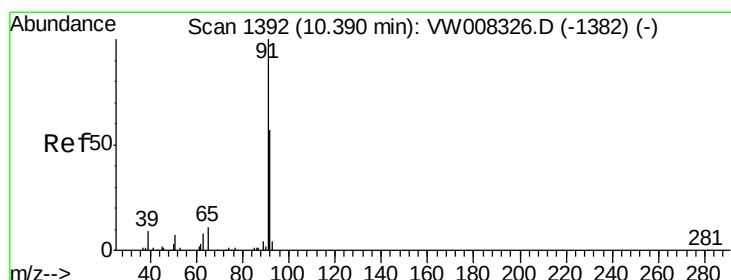
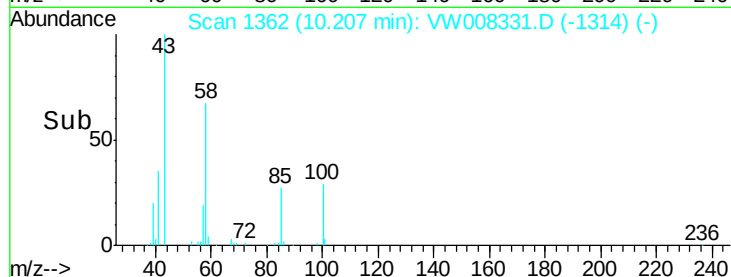
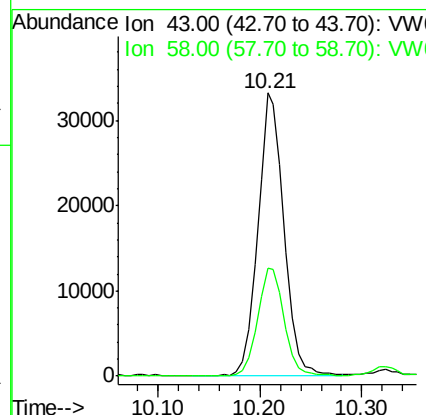
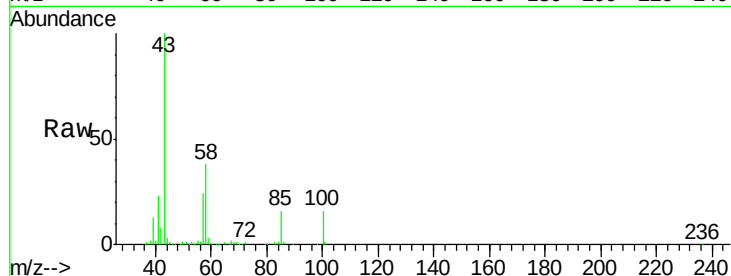
#51
4-Methyl-2-Pentanone
Concen: 83.436 ug/l
RT: 10.21 min Scan# 1362
Delta R.T. -0.01 min
Lab File: VW008331.D
Acq: 17 Jan 2019 16:39

Instrument :
MSVOA_W
ClientSampleId :
VW0117SBS01

Tot Ion	43	Resp	59304
Ion Ratio	100	Lower	Upper
43	100		
58	39.0	31.4	47.0

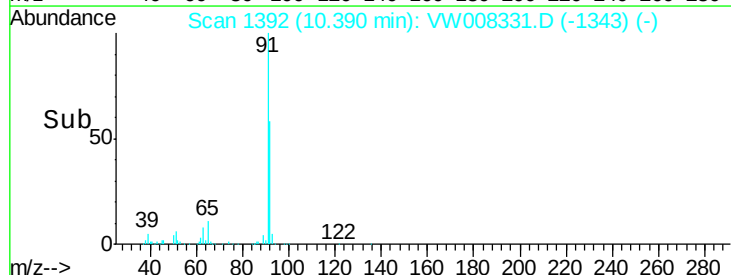
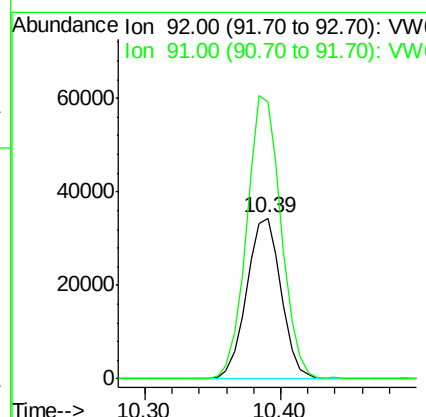
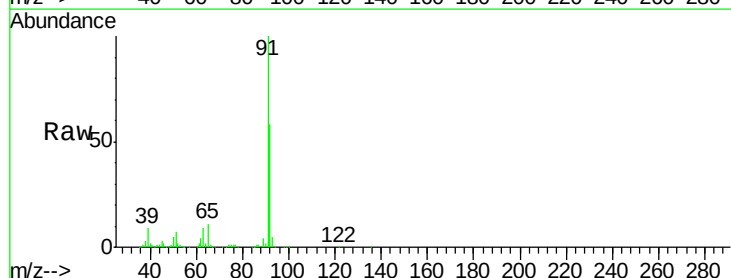
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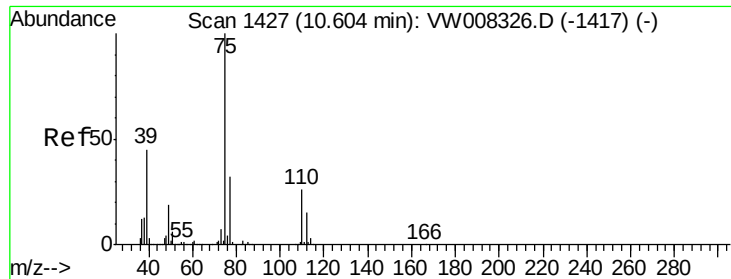
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#52
Toluene
Concen: 18.891 ug/l
RT: 10.39 min Scan# 1392
Delta R.T. 0.00 min
Lab File: VW008331.D
Acq: 17 Jan 2019 16:39

Tgt Ion	92	Resp	61026
Ion Ratio	100	Lower	Upper
92	100		
91	175.3	140.2	210.2





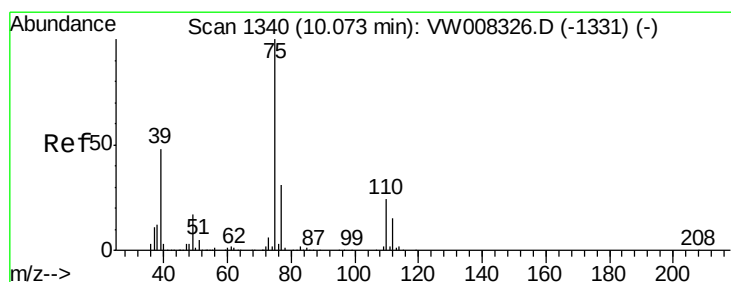
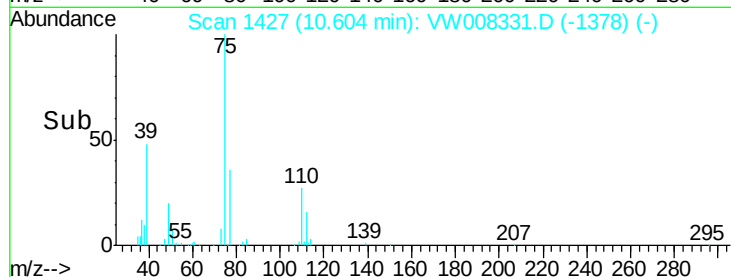
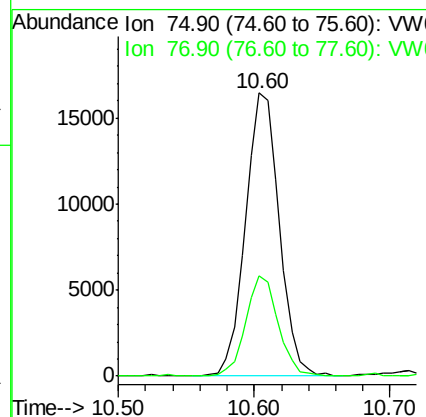
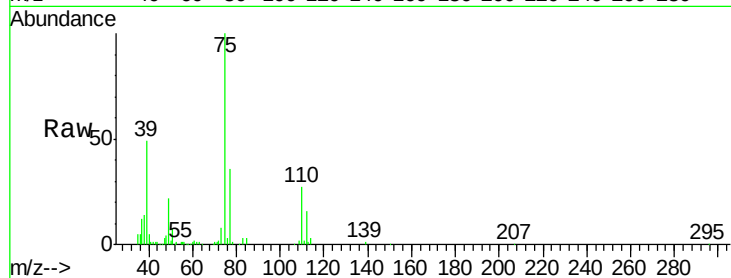
#53
 t-1,3-Dichloropropene
 Concen: 17.506 ug/l
 RT: 10.60 min Scan# 1427
 Delta R.T. 0.00 min
 Lab File: VW008331.D
 Acq: 17 Jan 2019 16:39

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0117SBS01

Tot Ion	75	Resp	28481
Ion Ratio	Lower	Upper	
75	100		
77	35.6	25.8	38.8

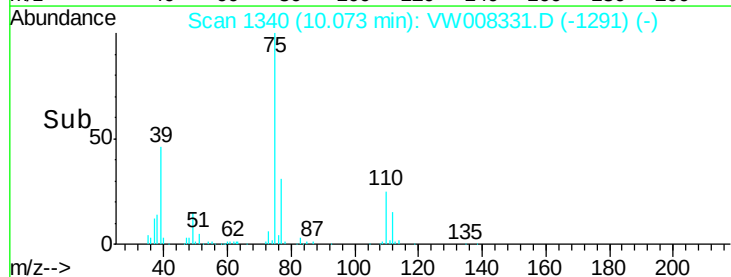
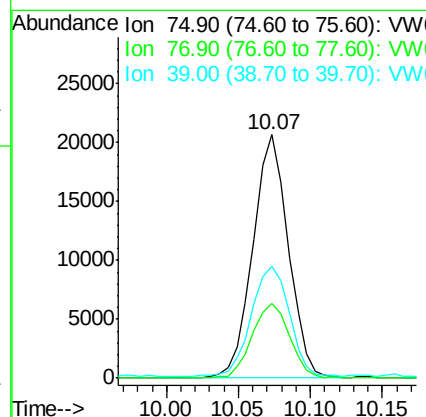
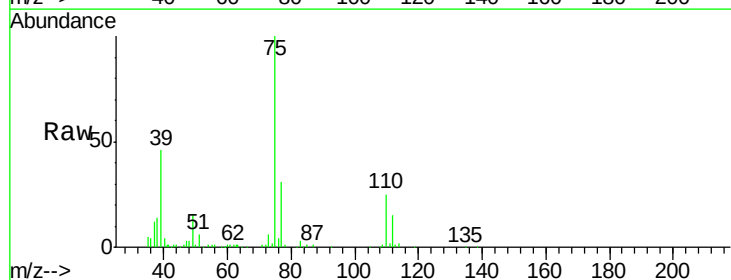
Manual Integrations
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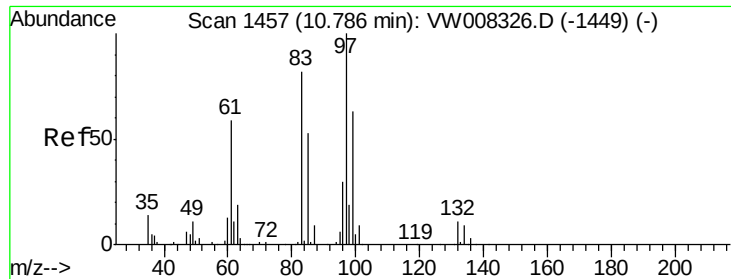
MMDadoda
 1/18/2019 2:10:03 PM



#54
 cis-1,3-Dichloropropene
 Concen: 18.339 ug/l
 RT: 10.07 min Scan# 1340
 Delta R.T. 0.00 min
 Lab File: VW008331.D
 Acq: 17 Jan 2019 16:39

Tgt Ion	75	Resp	35173
Ion Ratio	Lower	Upper	
75	100		
77	30.6	24.4	36.6
39	44.9	38.6	57.8





#55

1,1,2-Trichloroethane

Concen: 18.039 ug/l

RT: 10.79 min Scan# 1457

Delta R.T. 0.00 min

Lab File: VW008331.D

Acq: 17 Jan 2019 16:39

Instrument :

MSVOA_W

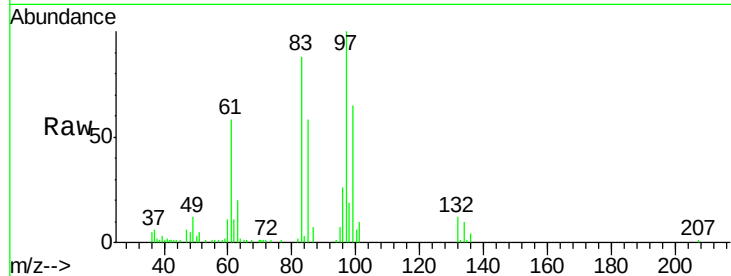
ClientSampled :

VW0117SBS01

Tot Ion	97	Resp:	16535
Ion	Ratio	Lower	Upper
97	100		
83	87.5	65.3	97.9
85	58.5	42.6	64.0
99	65.4	50.2	75.2

Manual Integrations
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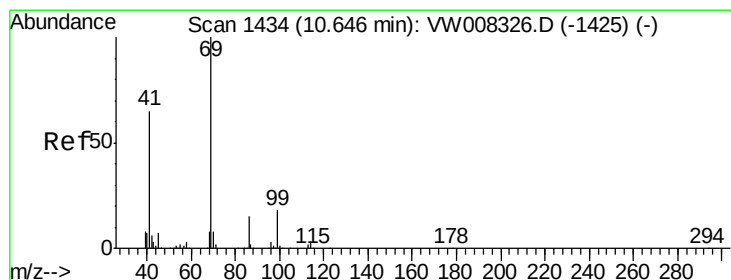
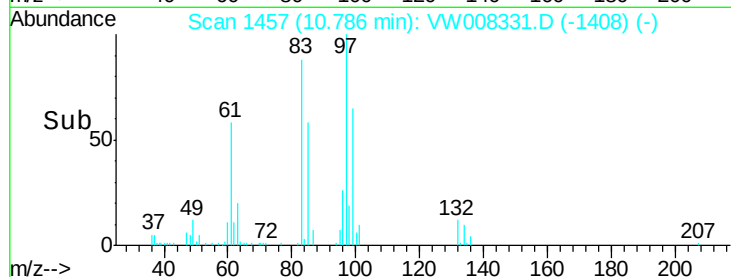
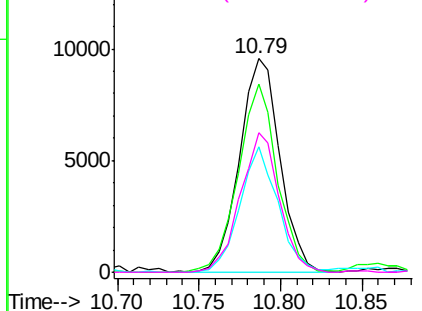


Abundance Ion 96.90 (96.60 to 97.60): VW

Ion 82.90 (82.60 to 83.60): VW

Ion 84.90 (84.60 to 85.60): VW

Ion 98.90 (98.60 to 99.60): VW



#56

Ethyl methacrylate

Concen: 16.749 ug/l

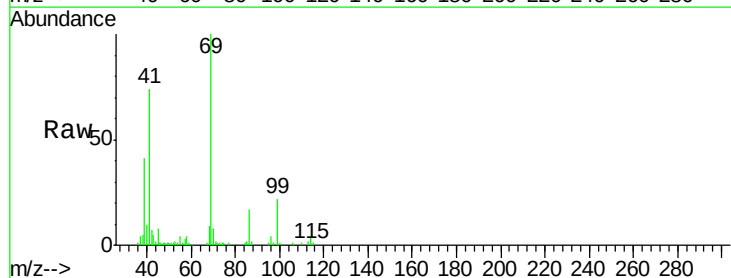
RT: 10.65 min Scan# 1434

Delta R.T. 0.00 min

Lab File: VW008331.D

Acq: 17 Jan 2019 16:39

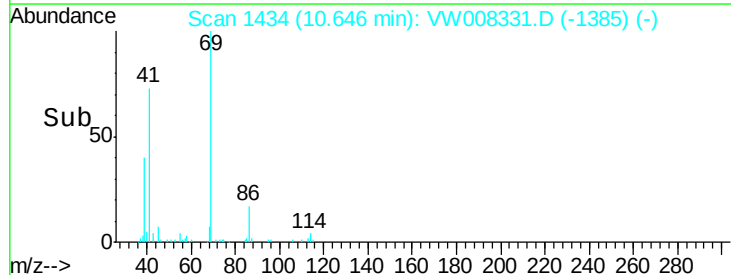
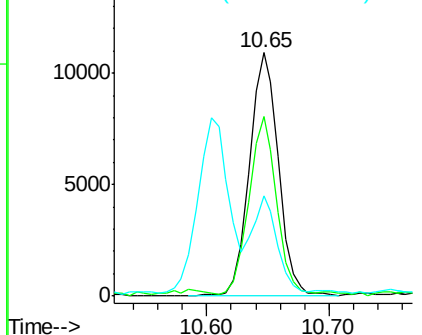
Tgt Ion	69	Resp:	18030
Ion	Ratio	Lower	Upper
69	100		
41	73.0	52.9	79.3
39	34.1	28.4	42.6

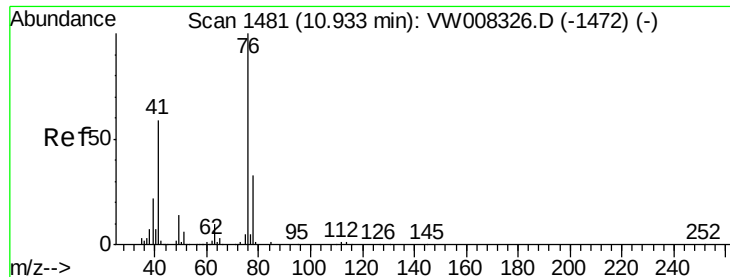


Abundance Ion 69.00 (68.70 to 69.70): VW

Ion 41.00 (40.70 to 41.70): VW

Ion 39.00 (38.70 to 39.70): VW





#57

1,3-Dichloropropane

Concen: 18.226 ug/l

RT: 10.93 min Scan# 1481

Delta R.T. 0.00 min

Lab File: VW008331.D

Acq: 17 Jan 2019 16:39

Instrument :

MSVOA_W

ClientSampleId :

VW0117SBS01

Tot Ion: 76 Resp: 29007

Ion Ratio Lower Upper

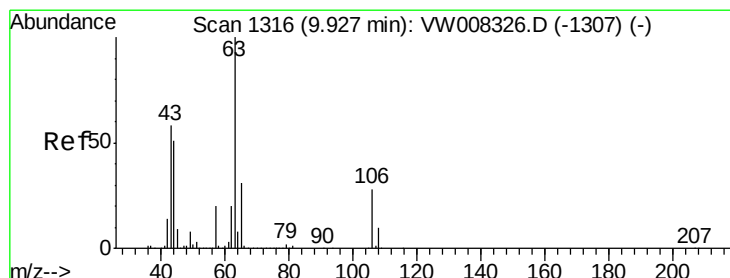
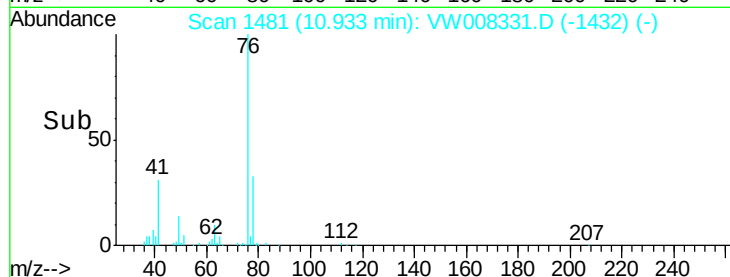
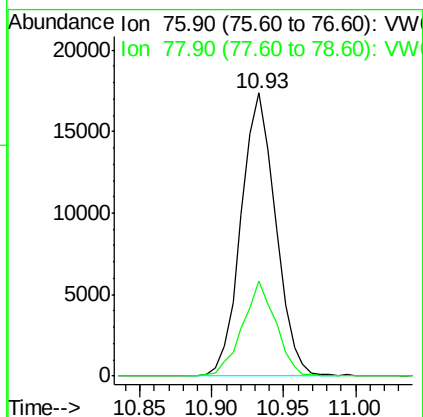
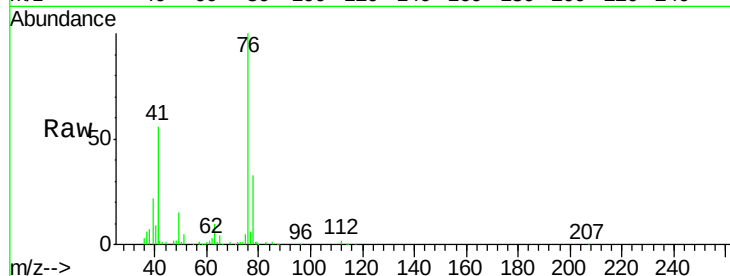
76 100

78 32.2 26.1 39.1

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#58

2-Chloroethyl Vinyl ether

Concen: 93.997 ug/l

RT: 9.92 min Scan# 1315

Delta R.T. -0.01 min

Lab File: VW008331.D

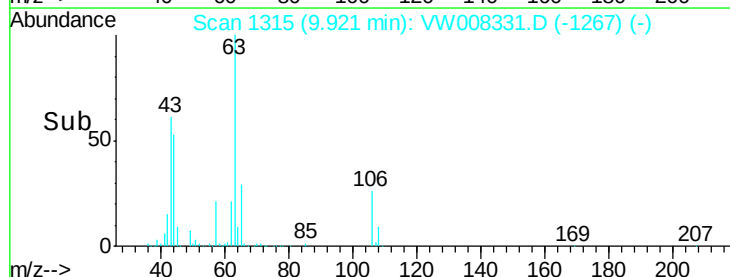
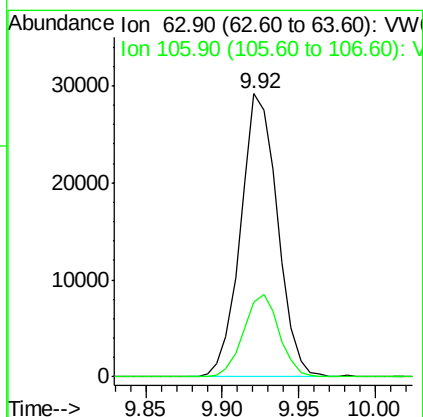
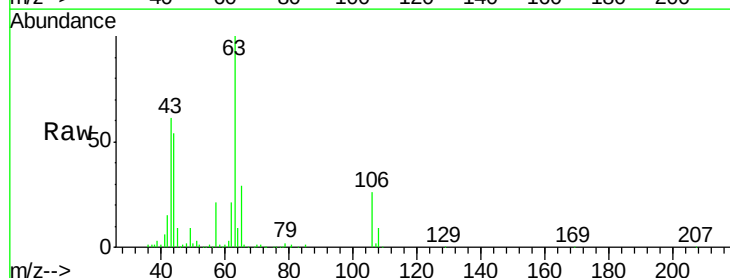
Acq: 17 Jan 2019 16:39

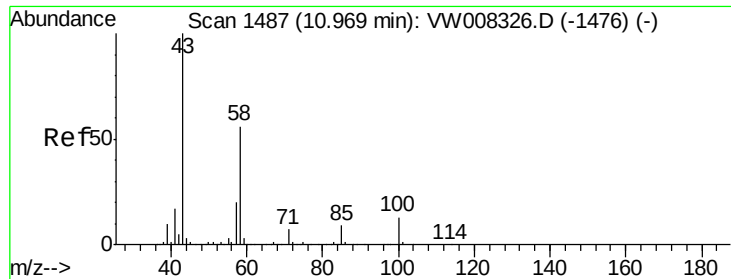
Tgt Ion: 63 Resp: 48808

Ion Ratio Lower Upper

63 100

106 28.4 22.9 34.3





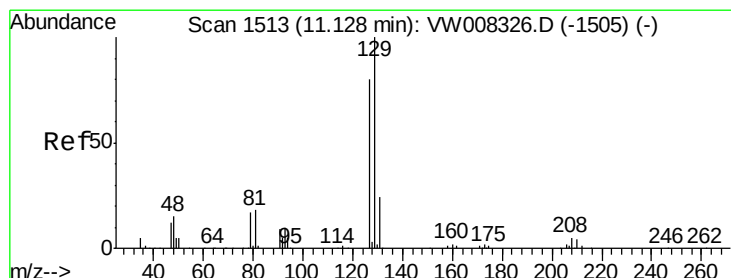
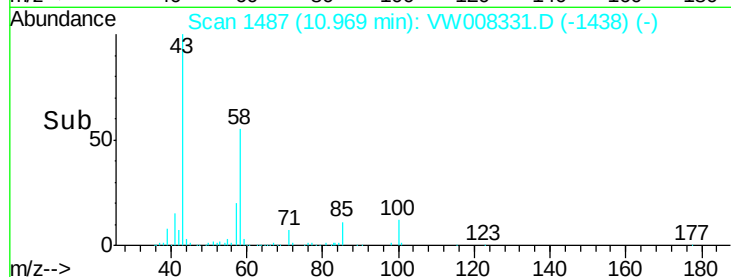
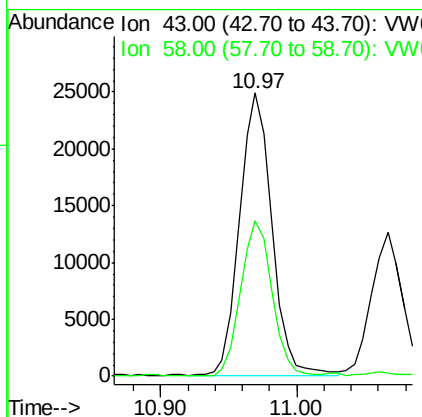
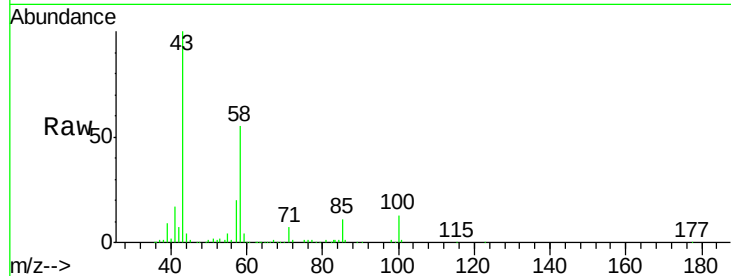
#59
2-Hexanone
Concen: 82.606 ug/l
RT: 10.97 min Scan# 1487
Delta R.T. 0.00 min
Lab File: VW008331.D
Acq: 17 Jan 2019 16:39

Instrument :
MSVOA_W
ClientSampleId :
VW0117SBS01

Tot Ion: 43 Resp: 41139
Ion Ratio Lower Upper
43 100
58 53.7 27.5 82.5

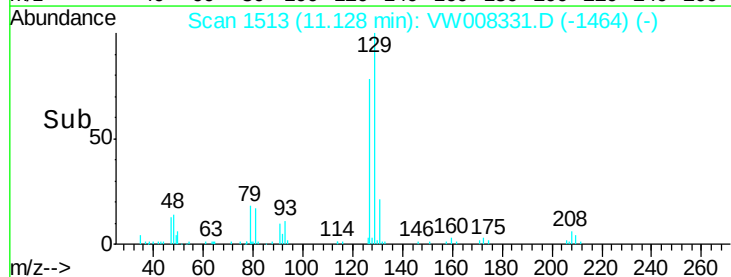
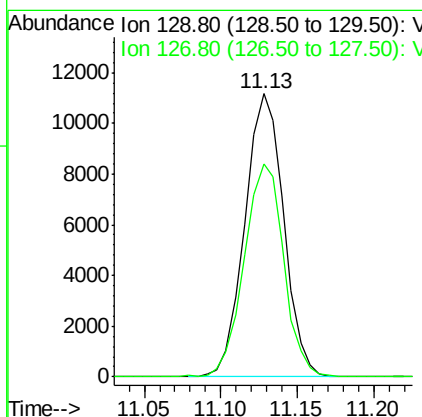
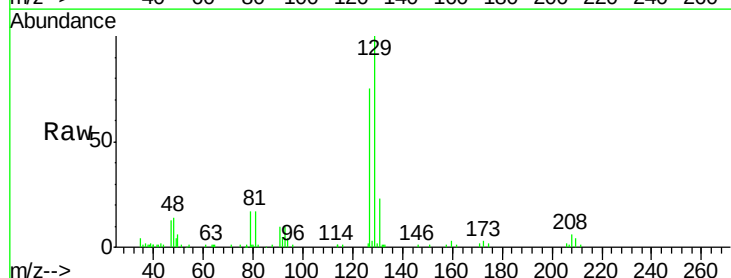
Manual Integrations
APPROVED

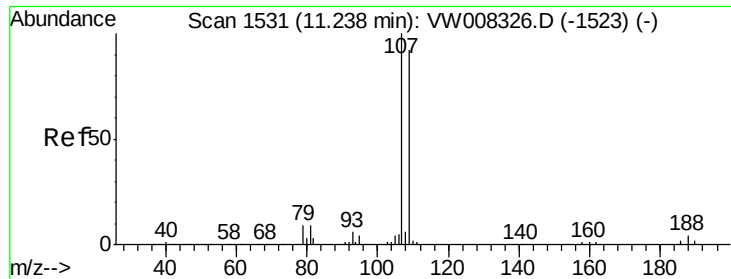
MMDadoda
1/18/2019 2:10:03 PM



#60
Dibromochloromethane
Concen: 18.010 ug/l
RT: 11.13 min Scan# 1513
Delta R.T. 0.00 min
Lab File: VW008331.D
Acq: 17 Jan 2019 16:39

Tgt Ion: 129 Resp: 19702
Ion Ratio Lower Upper
129 100
127 76.6 39.1 117.2





#61

1,2-Dibromoethane

Concen: 17.236 ug/l

RT: 11.23 min Scan# 1530

Delta R.T. -0.01 min

Lab File: VW008331.D

Acq: 17 Jan 2019 16:39

Instrument :

MSVOA_W

ClientSampleId :

VW0117SBS01

Tot Ion: 107 Resp: 15299

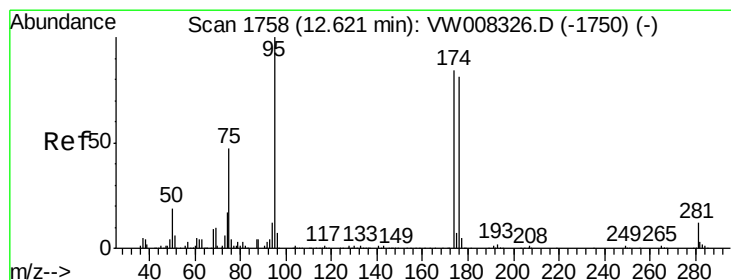
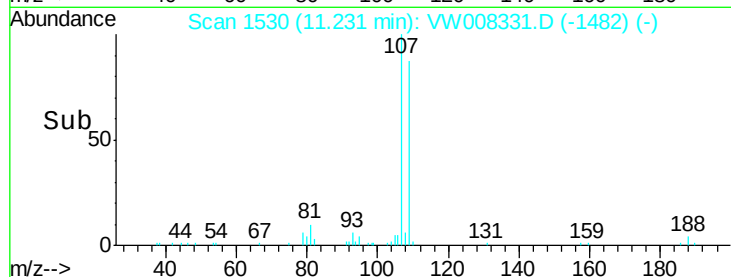
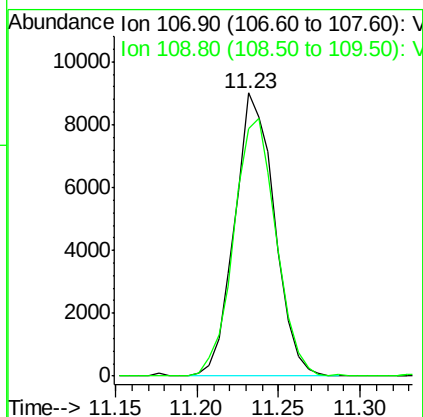
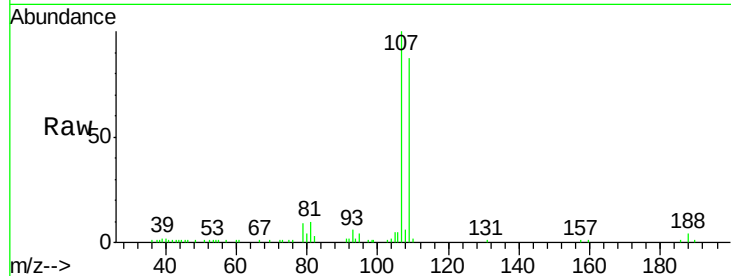
Ion Ratio Lower Upper

107 100

109 96.6 74.0 111.0

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#62

4-Bromofluorobenzene

Concen: 49.738 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. 0.00 min

Lab File: VW008331.D

Acq: 17 Jan 2019 16:39

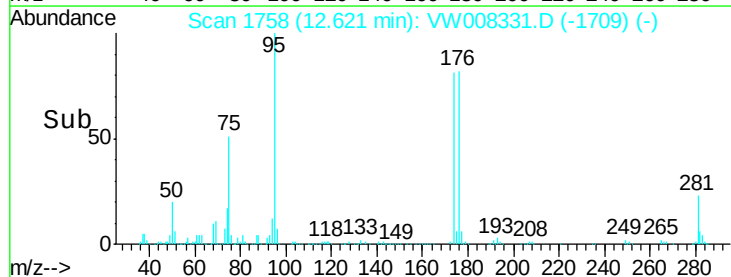
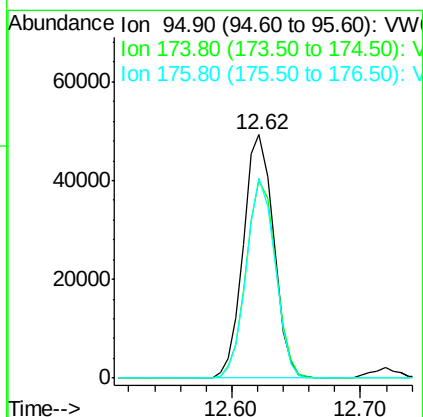
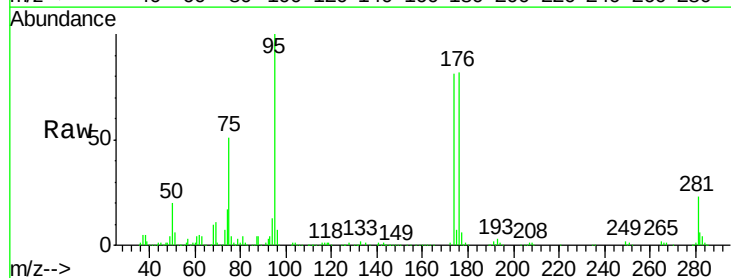
Tgt Ion: 95 Resp: 80126

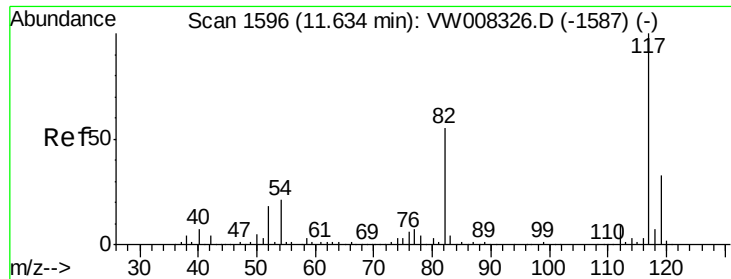
Ion Ratio Lower Upper

95 100

174 79.8 0.0 166.0

176 77.9 0.0 160.0





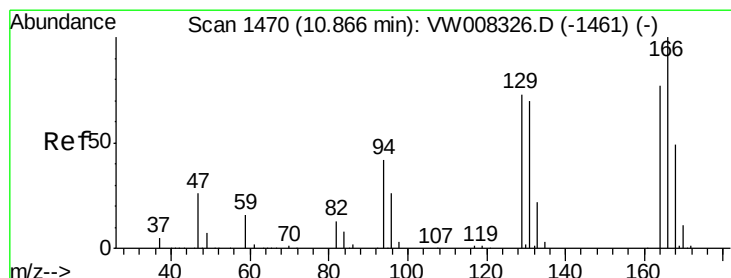
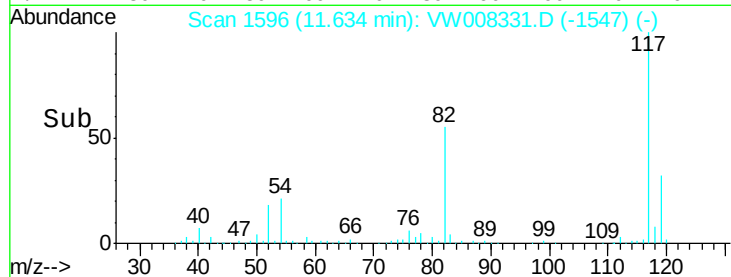
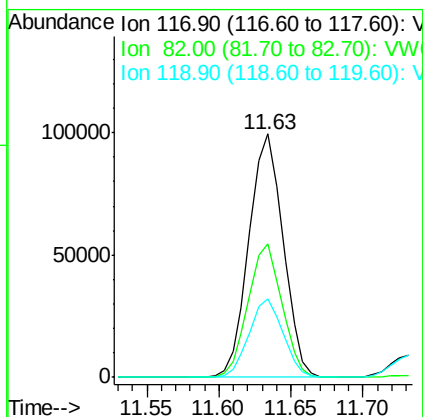
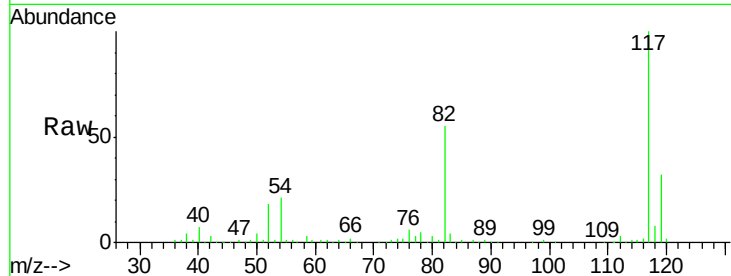
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1596
Delta R.T. 0.00 min
Lab File: VW008331.D
Acq: 17 Jan 2019 16:39

Instrument :
MSVOA_W
ClientSampleId :
VW0117SBS01

Tot Ion	Ratio	Resp	Lower	Upper
117	100	163807		
82	54.7	44.3	66.5	
119	32.1	26.3	39.5	

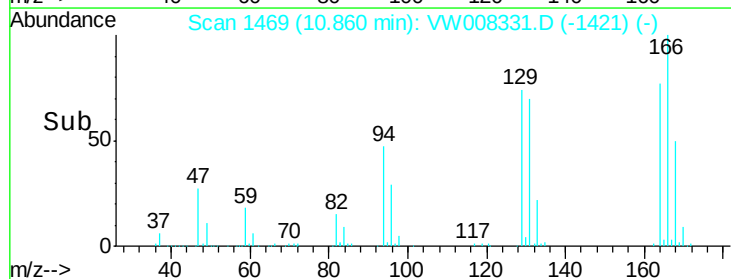
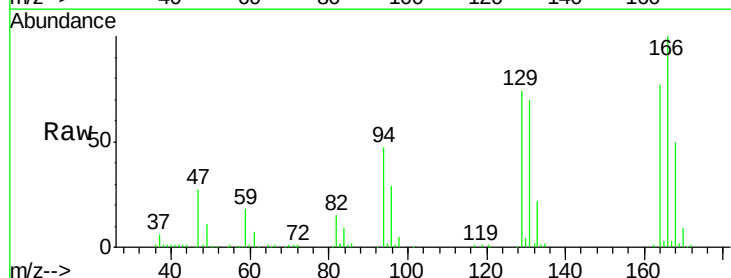
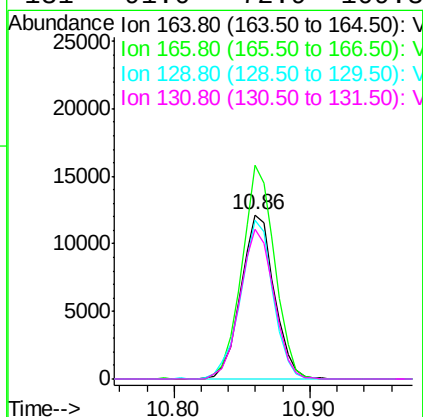
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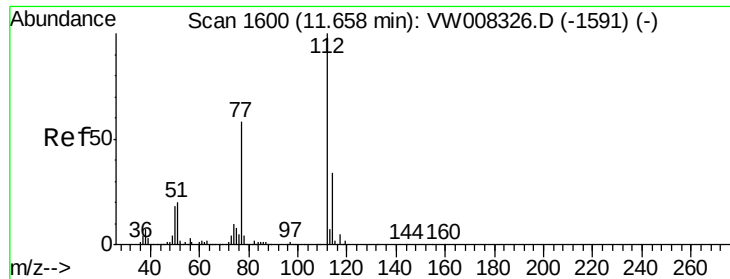
MMDadoda
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#64
Tetrachloroethene
Concen: 18.072 ug/l
RT: 10.86 min Scan# 1469
Delta R.T. -0.01 min
Lab File: VW008331.D
Acq: 17 Jan 2019 16:39

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	20757		
166	130.0	103.4	155.2	
129	96.5	75.0	112.6	
131	91.0	72.9	109.3	





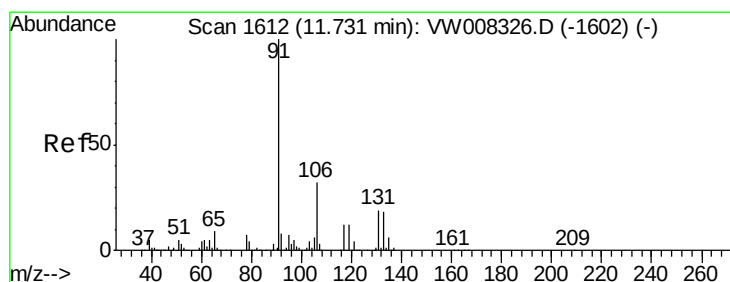
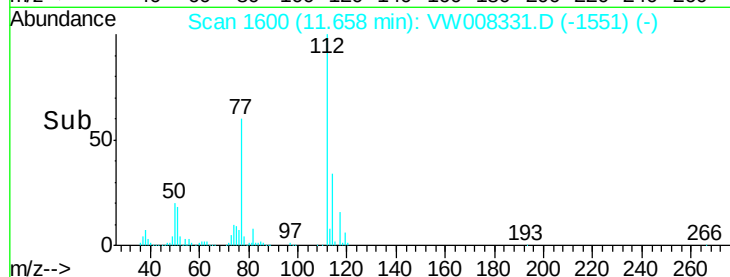
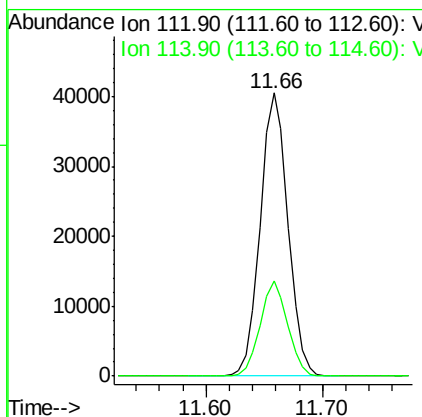
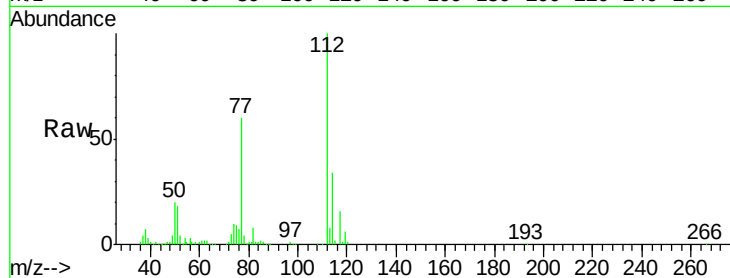
#65
Chlorobenzene
Concen: 18.658 ug/l
RT: 11.66 min Scan# 1600
Delta R.T. 0.00 min
Lab File: VW008331.D
Acq: 17 Jan 2019 16:39

Instrument :
MSVOA_W
ClientSampleId :
VW0117SBS01

Tot Ion:112 Resp: 66664
Ion Ratio Lower Upper
112 100
114 33.6 26.9 40.3

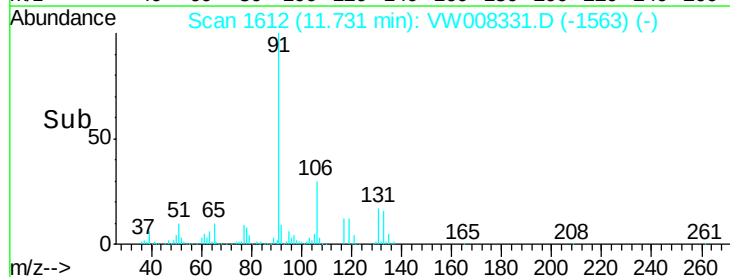
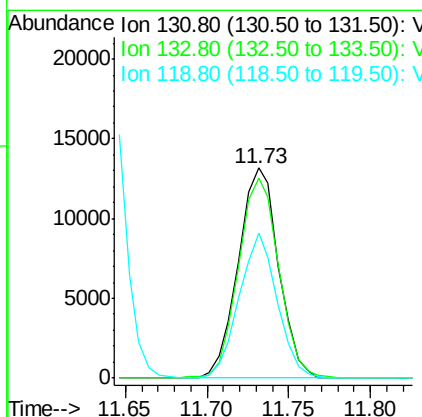
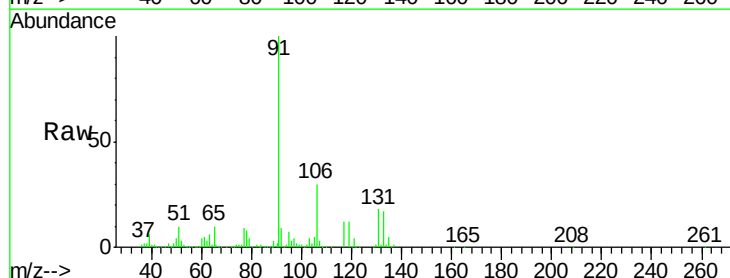
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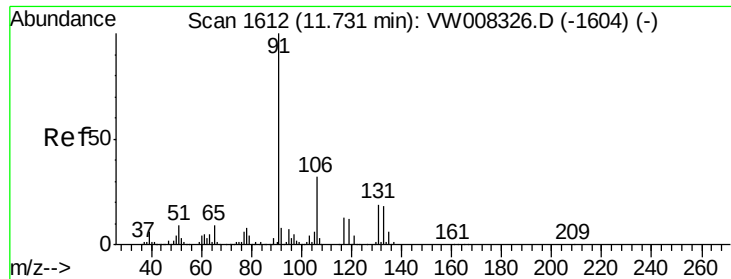
MMDadoda
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#66
1,1,1,2-Tetrachloroethane
Concen: 18.424 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. 0.00 min
Lab File: VW008331.D
Acq: 17 Jan 2019 16:39

Tgt Ion:131 Resp: 22657
Ion Ratio Lower Upper
131 100
133 95.5 48.2 144.6
119 65.0 31.6 94.7





#67

Ethyl Benzene

Concen: 18.977 ug/l

RT: 11.73 min Scan# 1612

Delta R.T. 0.00 min

Lab File: VW008331.D

Acq: 17 Jan 2019 16:39

Instrument :

MSVOA_W

ClientSampleId :

VW0117SBS01

Tot Ion: 91 Resp: 117731

Ion Ratio Lower Upper

91 100

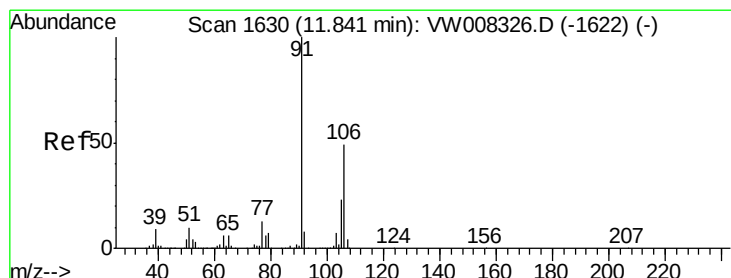
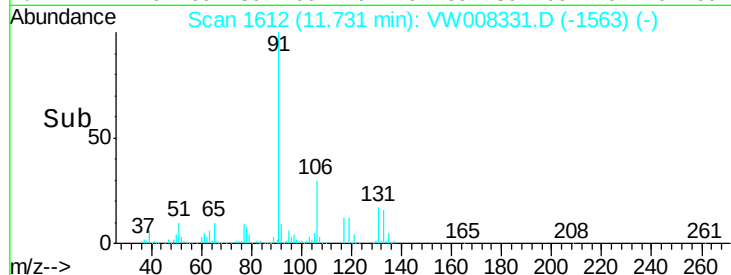
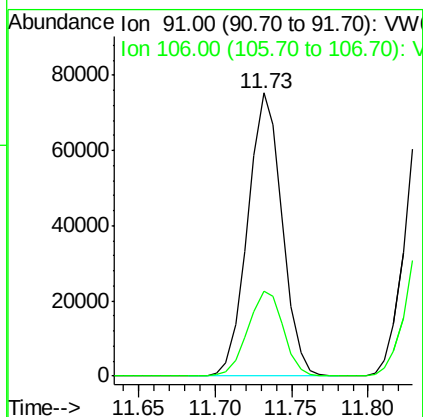
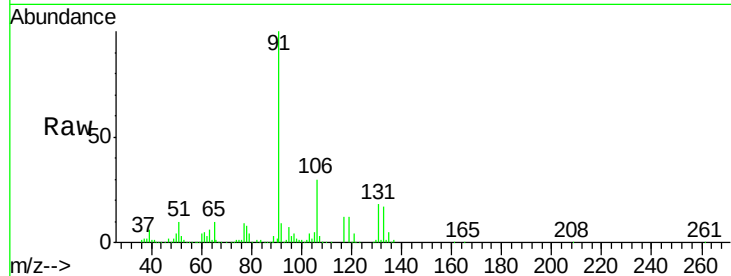
106 30.2 25.4 38.2

Manual Integrations

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#68

m/p-Xylenes

Concen: 38.849 ug/l

RT: 11.84 min Scan# 1630

Delta R.T. 0.00 min

Lab File: VW008331.D

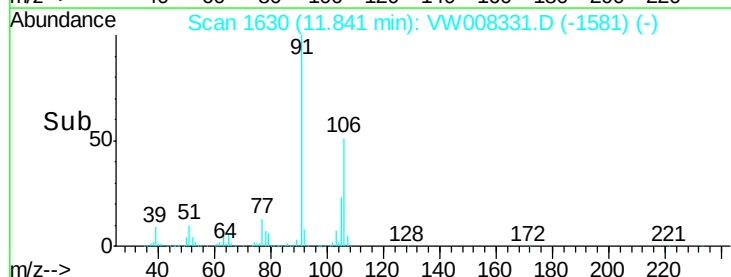
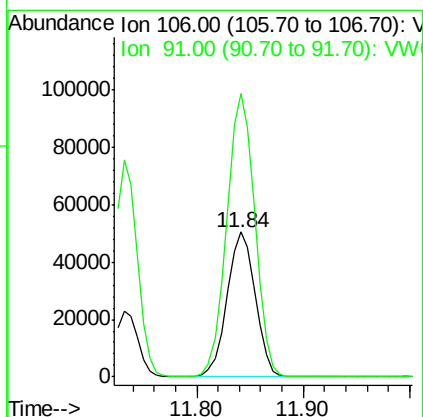
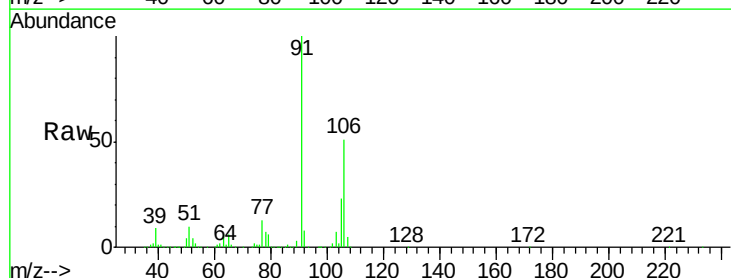
Acq: 17 Jan 2019 16:39

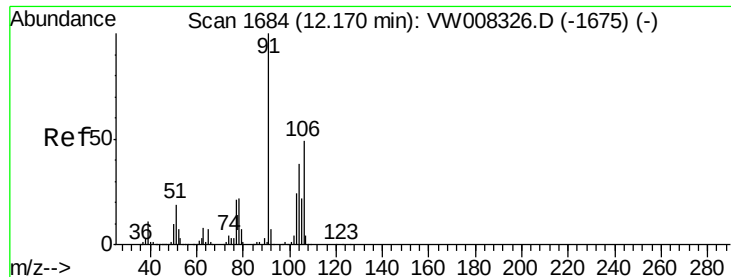
Tgt Ion: 106 Resp: 93549

Ion Ratio Lower Upper

106 100

91 195.1 158.4 237.6





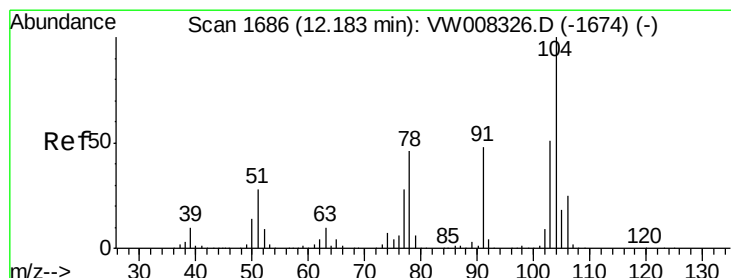
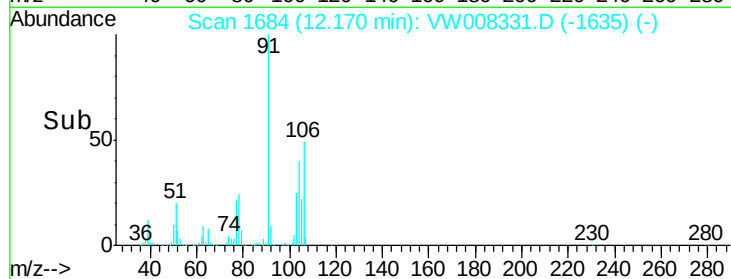
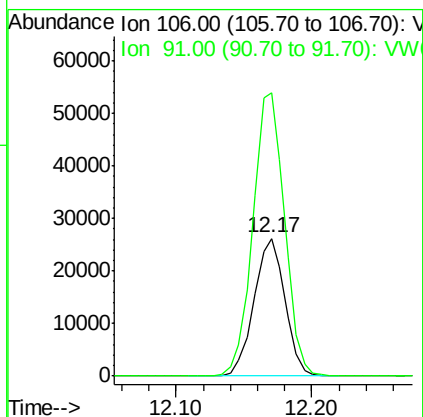
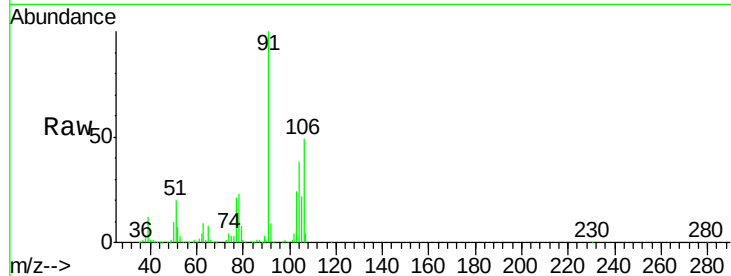
#69
o-Xylene
Concen: 18.712 ug/l
RT: 12.17 min Scan# 1684
Delta R.T. 0.00 min
Lab File: VW008331.D
Acq: 17 Jan 2019 16:39

Instrument :
MSVOA_W
ClientSampleId :
VW0117SBS01

Tot Ion:106 Resp: 42097
Ion Ratio Lower Upper
106 100
91 209.0 104.1 312.3

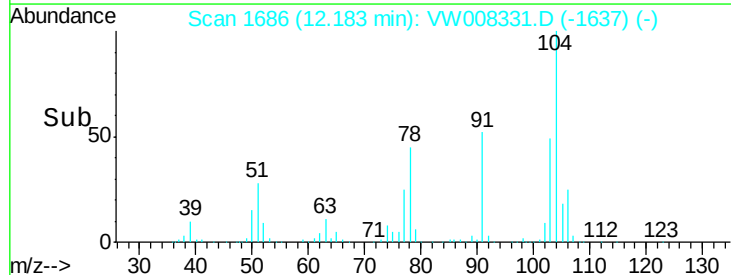
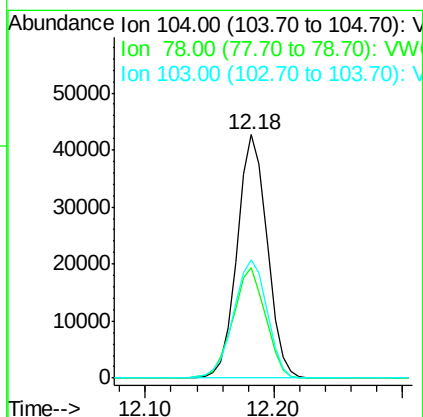
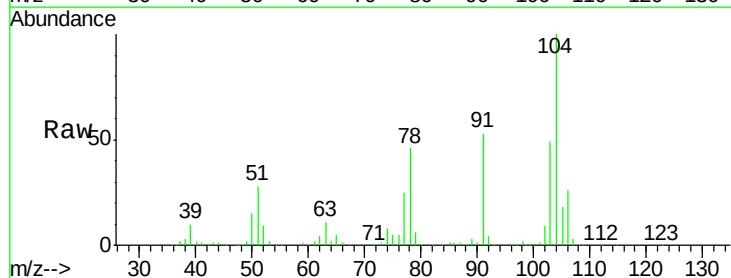
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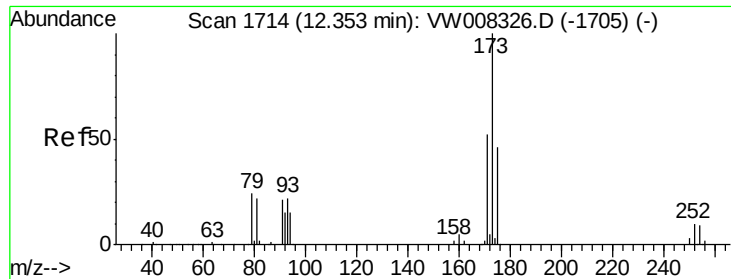
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#70
Styrene
Concen: 19.035 ug/l
RT: 12.18 min Scan# 1686
Delta R.T. 0.00 min
Lab File: VW008331.D
Acq: 17 Jan 2019 16:39

Tgt Ion:104 Resp: 68785
Ion Ratio Lower Upper
104 100
78 50.1 39.8 59.6
103 54.3 44.0 66.0





#71

Bromoform

Concen: 17.249 ug/l

RT: 12.35 min Scan# 1714

Delta R.T. 0.00 min

Lab File: VW008331.D

Acq: 17 Jan 2019 16:39

Instrument :

MSVOA_W

ClientSampleId :

VW0117SBS01

Tot Ion:173 Resp: 10567

Ion Ratio Lower Upper

173 100

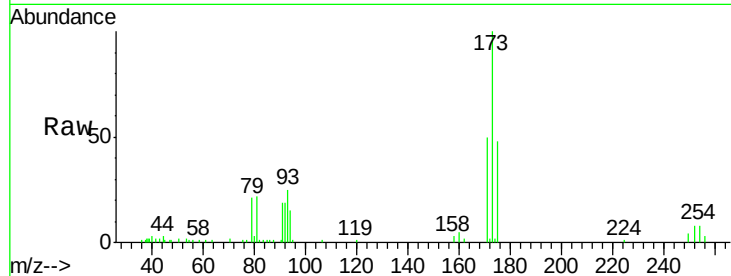
175 49.0 23.6 70.8

254 0.0 0.2 0.2#

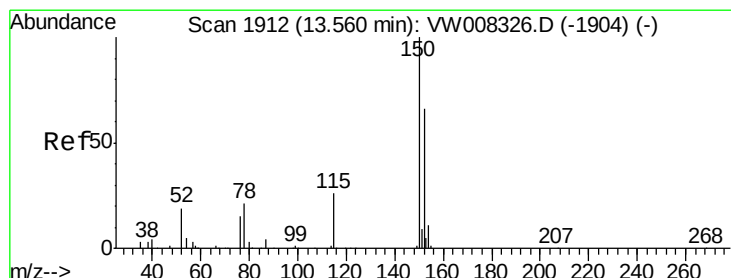
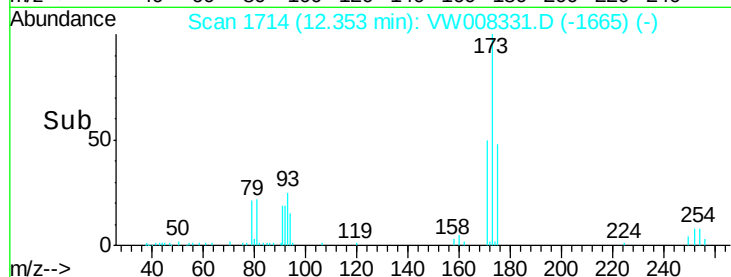
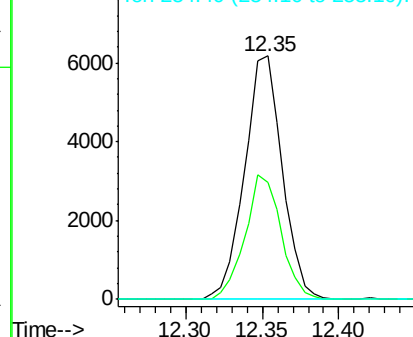
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Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.56 min Scan# 1912

Delta R.T. 0.00 min

Lab File: VW008331.D

Acq: 17 Jan 2019 16:39

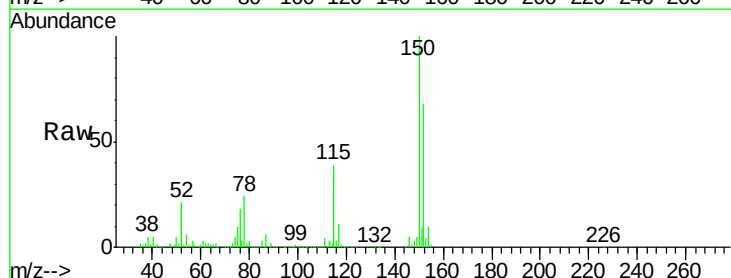
Tgt Ion:152 Resp: 82717

Ion Ratio Lower Upper

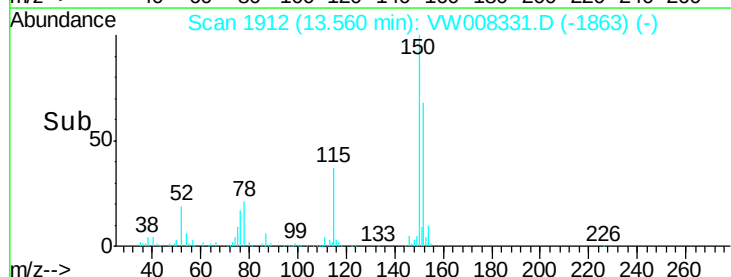
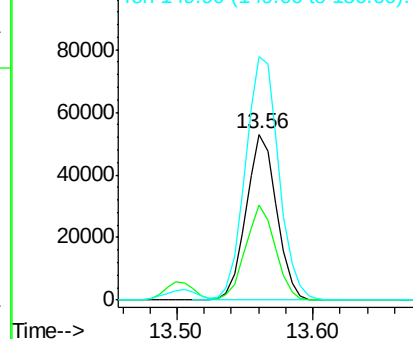
152 100

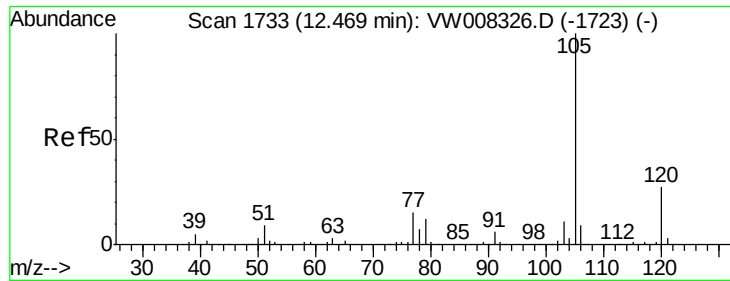
115 56.2 28.8 86.4

150 161.4 0.0 351.4



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: 19.377 ug/l

RT: 12.47 min Scan# 1733

Delta R.T. 0.00 min

Lab File: VW008331.D

Acq: 17 Jan 2019 16:39

Instrument :

MSVOA_W

ClientSampleId :

VW0117SBS01

Tot Ion:105 Resp: 116782

Ion Ratio Lower Upper

105 100

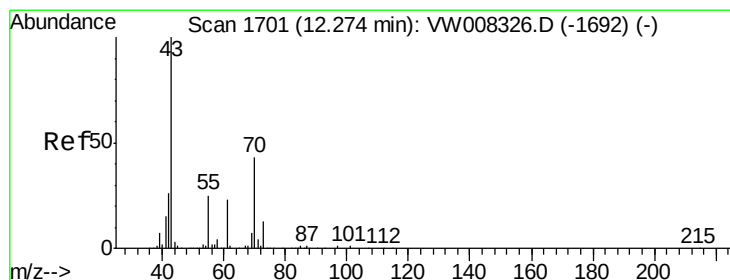
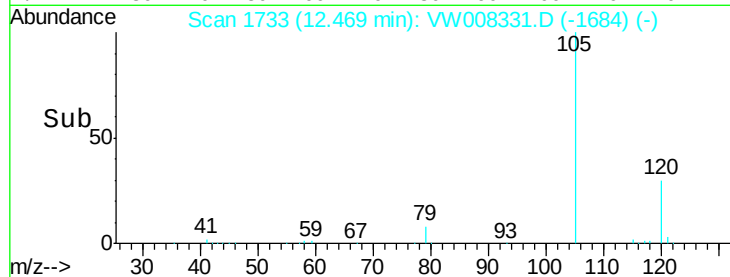
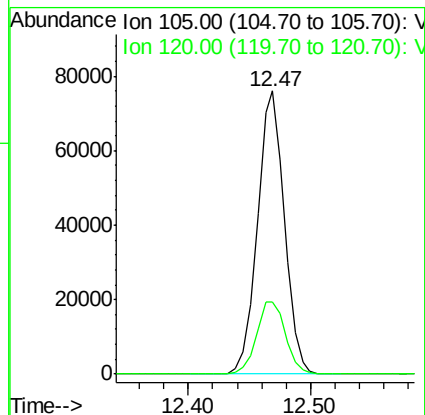
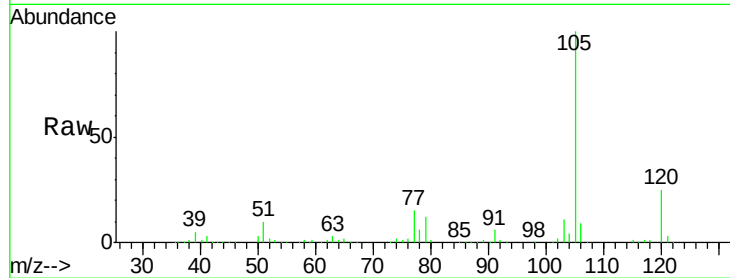
120 27.4 13.6 40.8

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#74

N-ethyl acetate

Concen: 16.897 ug/l

RT: 12.27 min Scan# 1701

Delta R.T. 0.00 min

Lab File: VW008331.D

Acq: 17 Jan 2019 16:39

Tgt Ion: 43 Resp: 21824

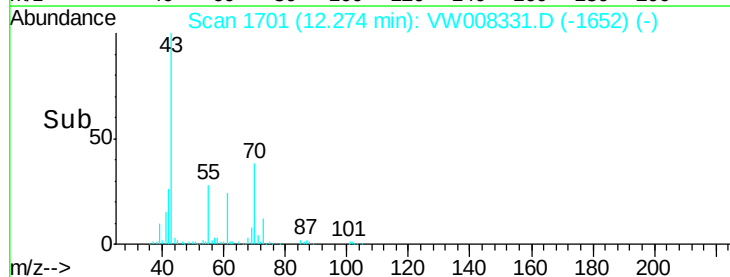
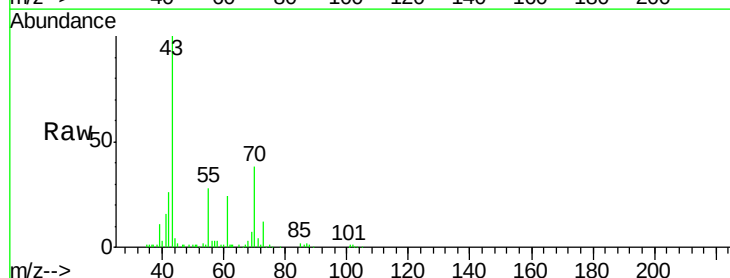
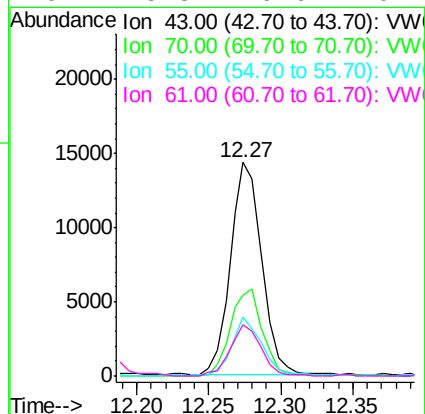
Ion Ratio Lower Upper

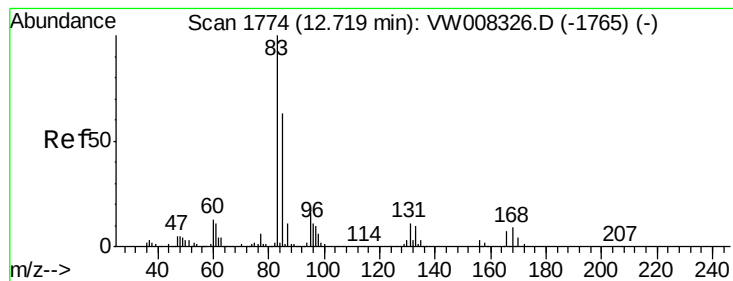
43 100

70 42.0 34.6 52.0

55 27.0 20.0 30.0

61 23.8 19.6 29.4





#75

1,1,2,2-Tetrachloroethane

Concen: 17.886 ug/l

RT: 12.72 min Scan# 1774

Delta R.T. 0.00 min

Lab File: VW008331.D

Acq: 17 Jan 2019 16:39

Instrument :

MSVOA_W

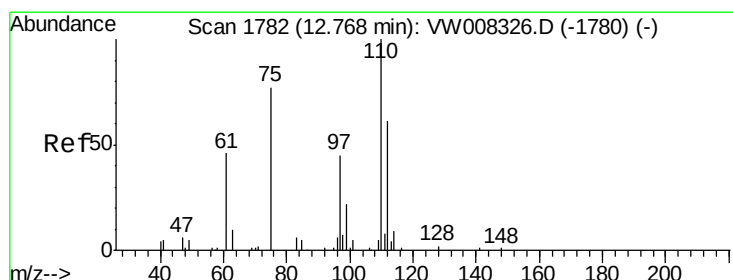
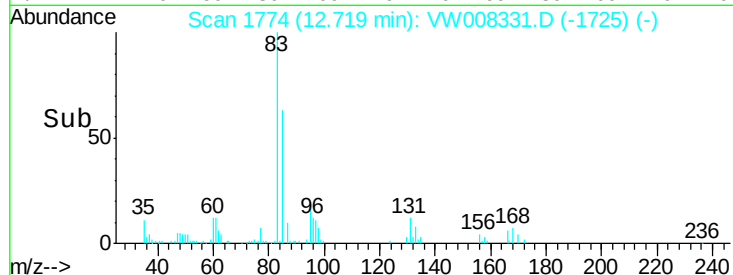
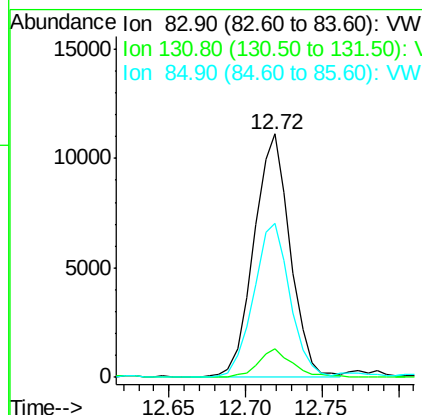
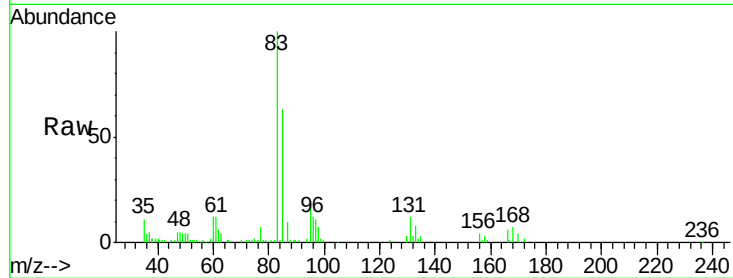
ClientSampleId :

VW0117SBS01

Tot Ion:	83	Resp:	18336
Ion Ratio	Lower	Upper	
83	100		
131	11.3	5.5	16.5
85	63.7	31.6	94.7

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#76

1,2,3-Trichloropropane

Concen: 17.856 ug/l m

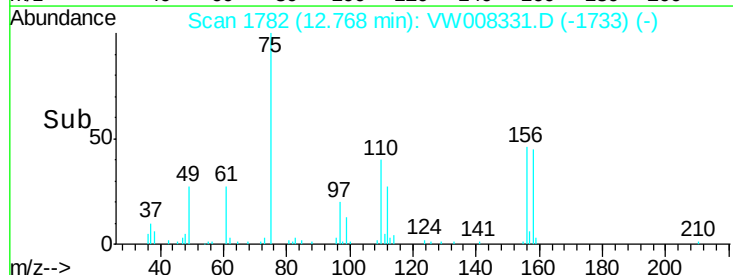
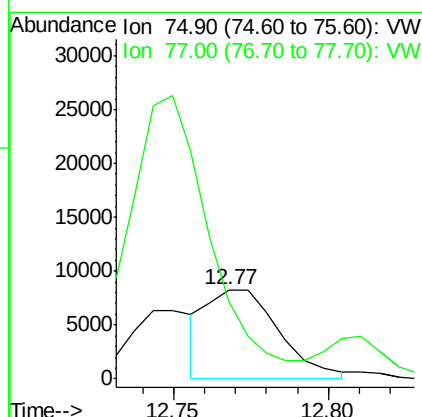
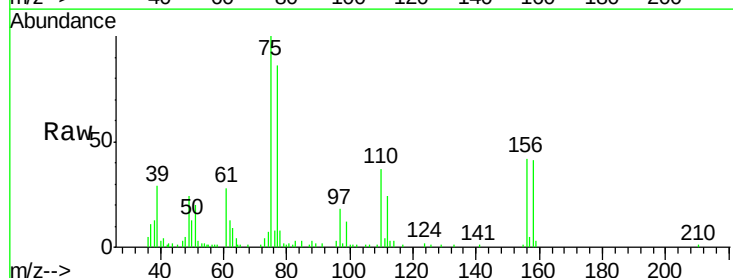
RT: 12.77 min Scan# 1782

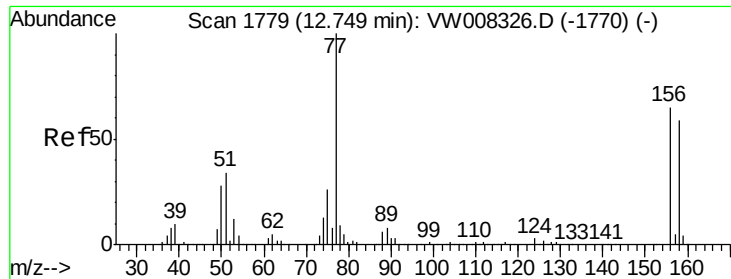
Delta R.T. 0.00 min

Lab File: VW008331.D

Acq: 17 Jan 2019 16:39

Tgt Ion:	75	Resp:	13450
Ion Ratio	Lower	Upper	
75	100		
77	361.3	175.3	526.1





#77

Bromobenzene

Concen: 18.466 ug/l

RT: 12.75 min Scan# 1779

Delta R.T. 0.00 min

Lab File: VW008331.D

Acq: 17 Jan 2019 16:39

Instrument :

MSVOA_W

ClientSampleId :

VW0117SBS01

Tot Ion:156 Resp: 26733

Ion Ratio Lower Upper

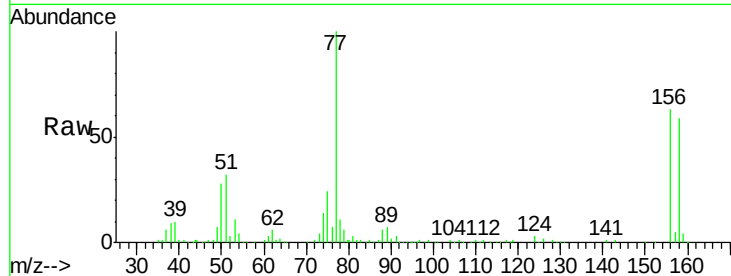
156 100

77 181.8 88.3 264.9

158 94.8 47.6 142.8

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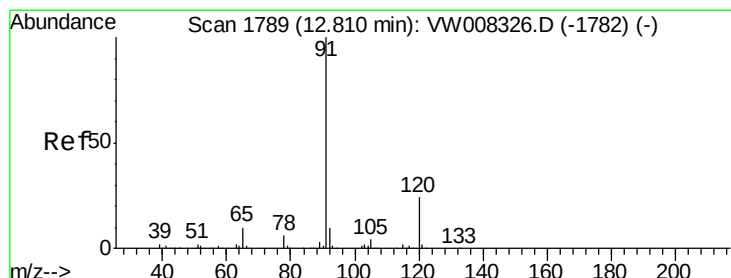
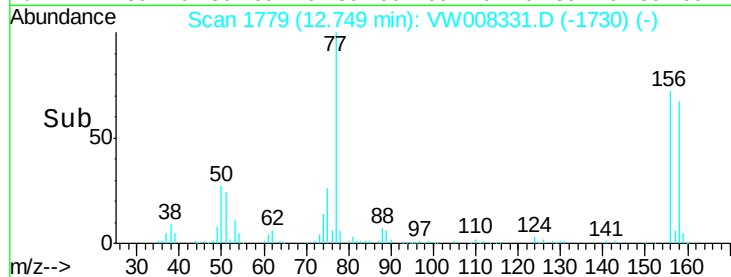
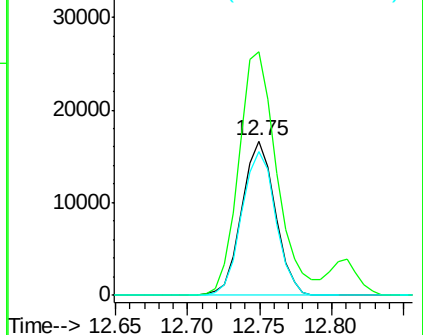
MMDadoda
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Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VW

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 19.410 ug/l

RT: 12.80 min Scan# 1788

Delta R.T. -0.01 min

Lab File: VW008331.D

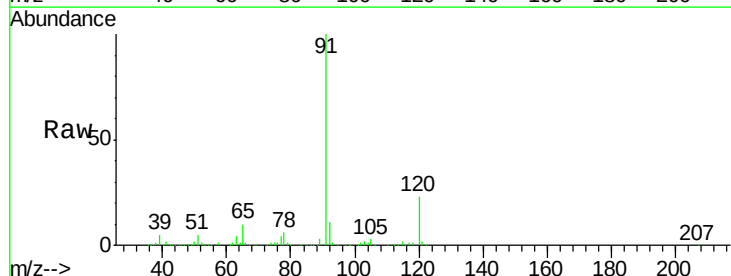
Acq: 17 Jan 2019 16:39

Tgt Ion: 91 Resp: 141593

Ion Ratio Lower Upper

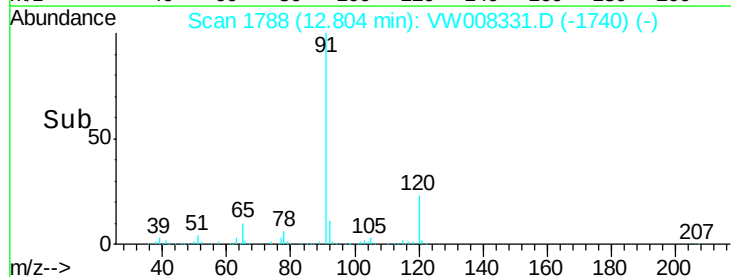
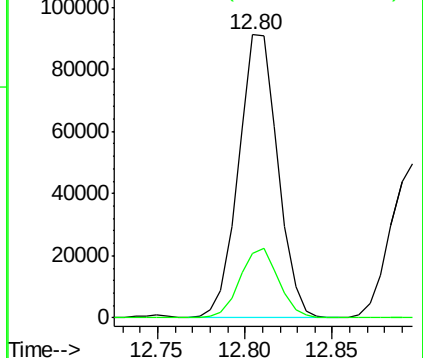
91 100

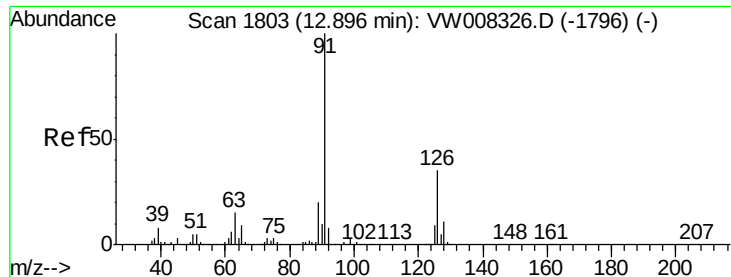
120 24.0 11.9 35.7



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 19.185 ug/l

RT: 12.90 min Scan# 1803

Delta R.T. 0.00 min

Lab File: VW008331.D

Acq: 17 Jan 2019 16:39

Instrument :

MSVOA_W

ClientSampleId :

VW0117SBS01

Tot Ion: 91 Resp: 79965

Ion Ratio Lower Upper

91 100

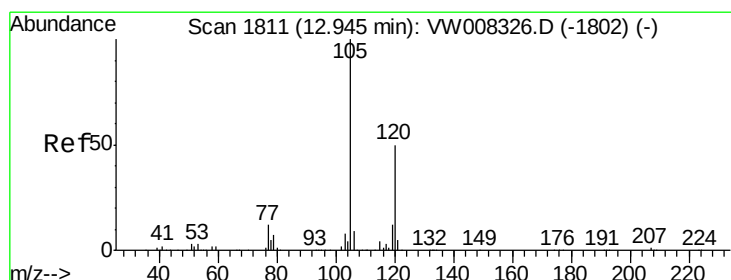
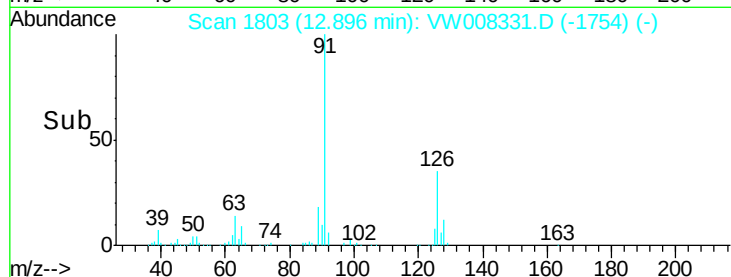
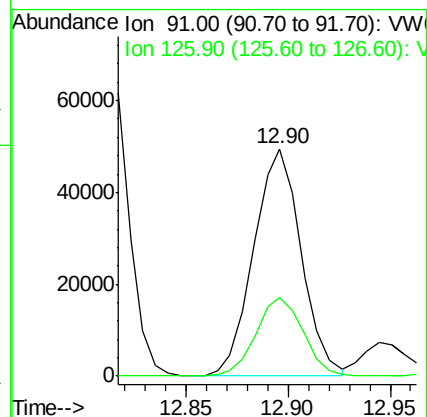
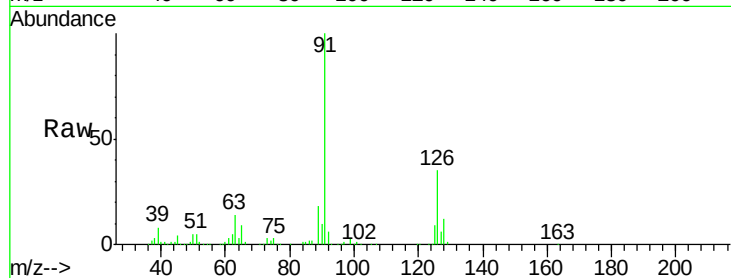
126 34.6 17.5 52.6

Manual Integrations

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#80

1,3,5-Trimethylbenzene

Concen: 19.551 ug/l

RT: 12.94 min Scan# 1811

Delta R.T. 0.00 min

Lab File: VW008331.D

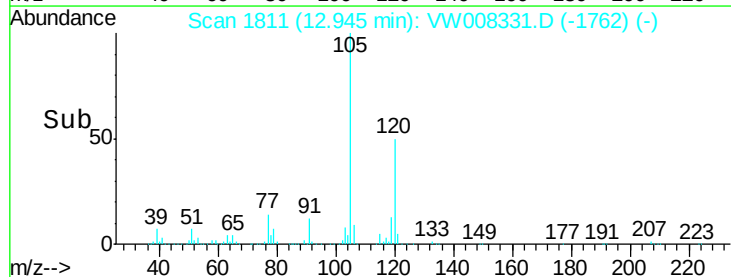
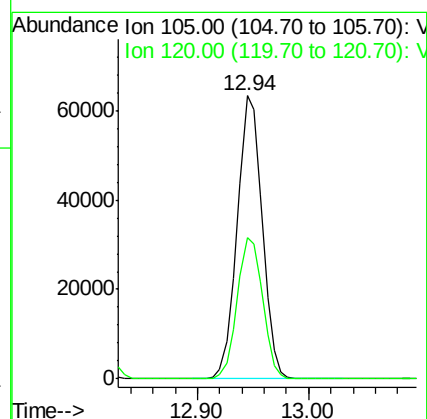
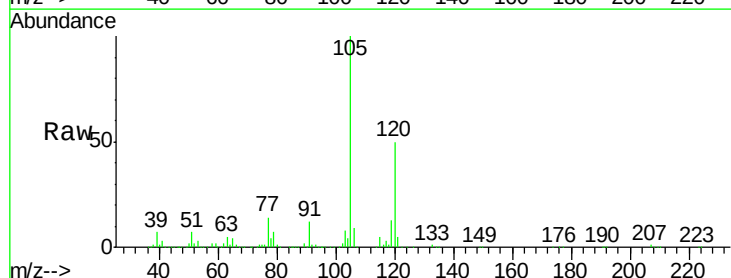
Acq: 17 Jan 2019 16:39

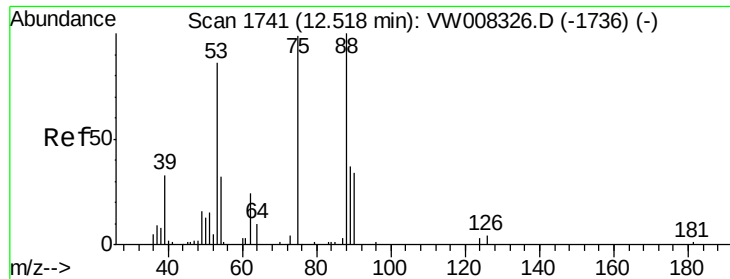
Tgt Ion:105 Resp: 98327

Ion Ratio Lower Upper

105 100

120 50.9 25.6 76.8





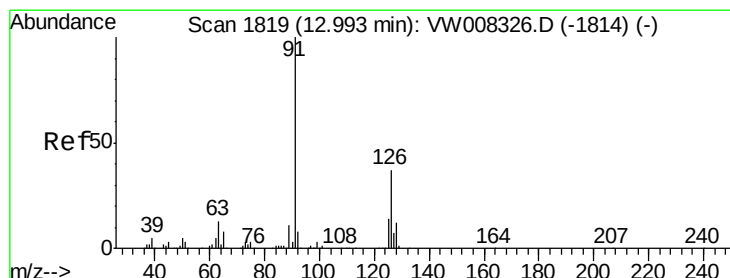
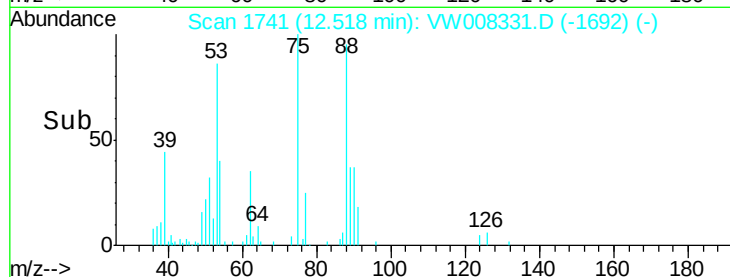
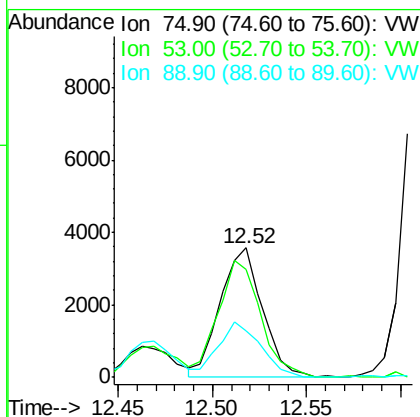
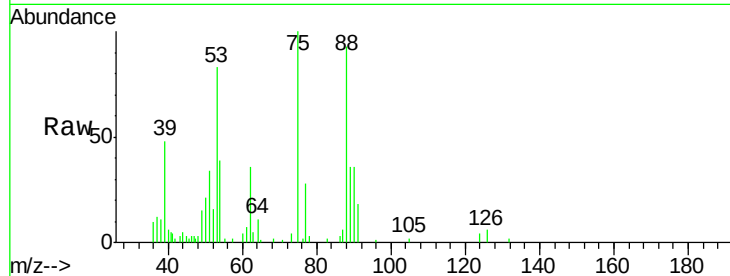
#81
trans-1,4-Dichloro-2-butene
Concen: 17.697 ug/l
RT: 12.52 min Scan# 1741
Delta R.T. 0.00 min
Lab File: VW008331.D
Acq: 17 Jan 2019 16:39

Instrument :
MSVOA_W
ClientSampleId :
VW0117SBS01

Tot Ion	Ratio	Lower	Upper
75	100		
53	90.6	76.2	114.4
89	43.4	36.7	55.1

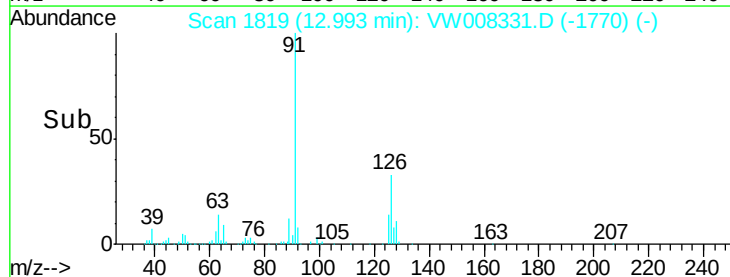
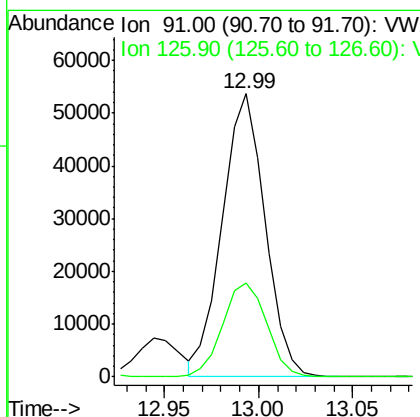
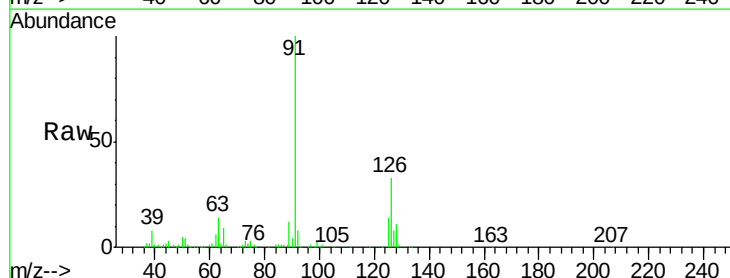
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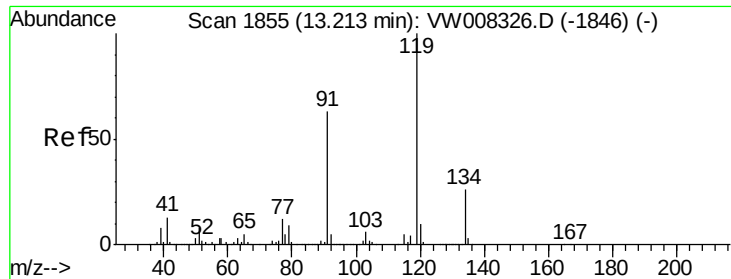
MMDadoda
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#82
4-Chlorotoluene
Concen: 19.402 ug/l
RT: 12.99 min Scan# 1819
Delta R.T. 0.00 min
Lab File: VW008331.D
Acq: 17 Jan 2019 16:39

Tgt Ion	Ratio	Lower	Upper
91	100		
126	34.4	17.8	53.3





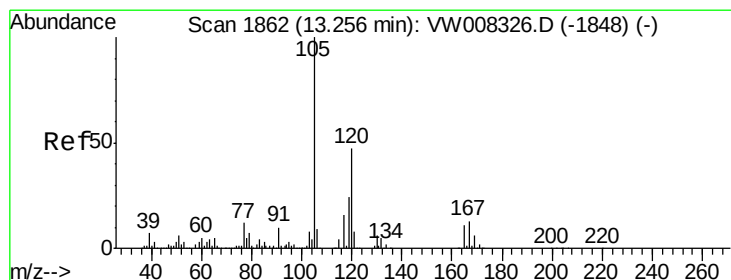
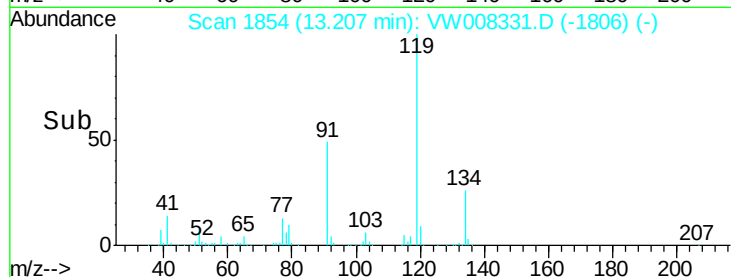
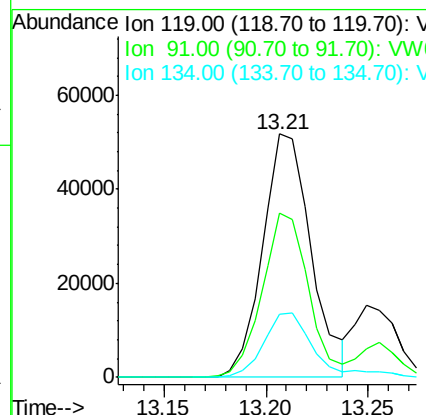
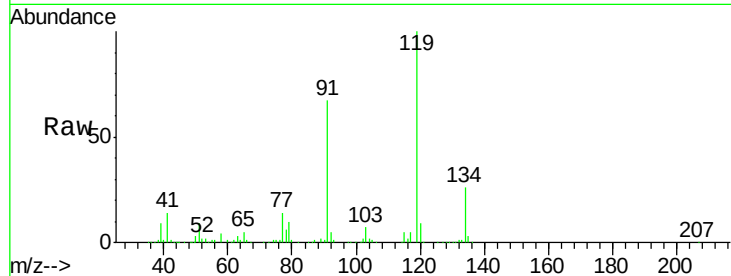
#83
tert-Butylbenzene
Concen: 19.411 ug/l
RT: 13.21 min Scan# 1854
Delta R.T. -0.01 min
Lab File: VW008331.D
Acq: 17 Jan 2019 16:39

Instrument :
MSVOA_W
ClientSampleId :
VW0117SBS01

Tot Ion	Ratio	Lower	Upper
119	100		
91	64.2	32.4	97.0
134	27.6	13.9	41.7

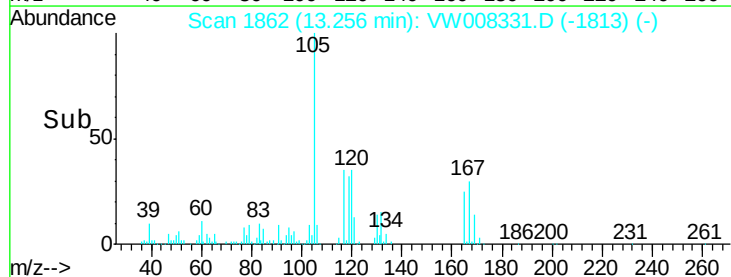
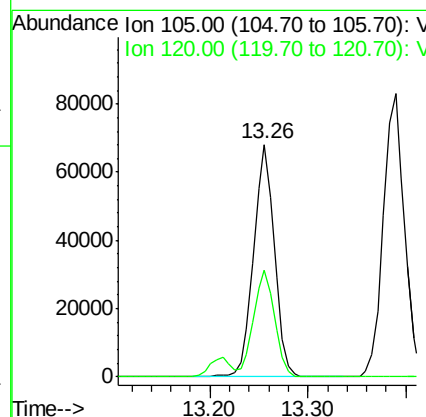
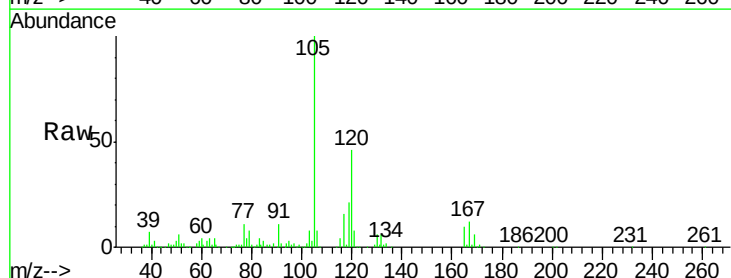
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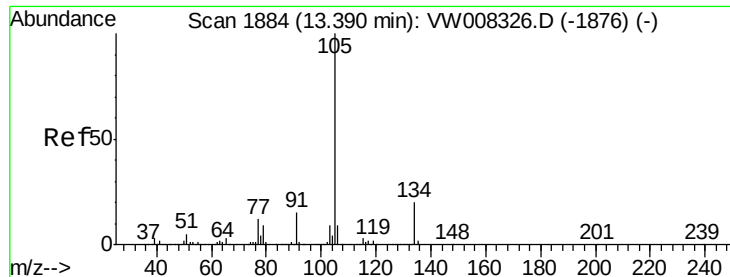
MMDadoda
1/18/2019 2:10:03 PM



#84
1,2,4-Trimethylbenzene
Concen: 19.707 ug/l
RT: 13.26 min Scan# 1862
Delta R.T. 0.00 min
Lab File: VW008331.D
Acq: 17 Jan 2019 16:39

Tgt Ion	Ratio	Lower	Upper
105	100		
120	46.3	23.5	70.6





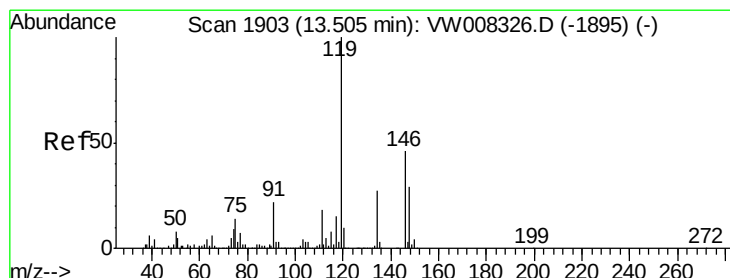
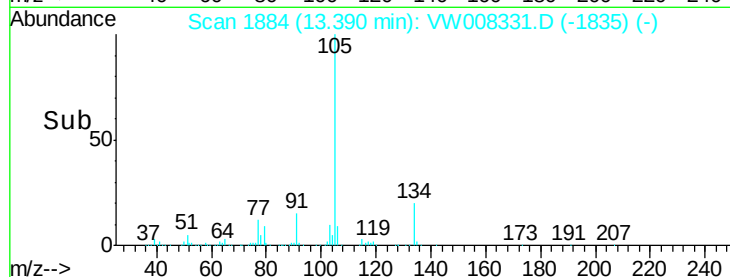
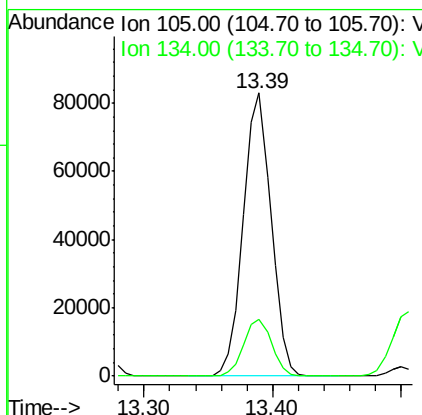
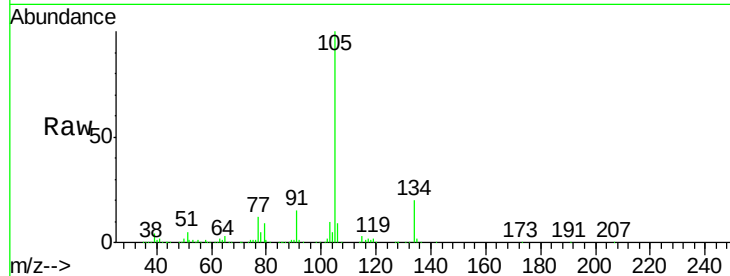
#85
 sec-Butylbenzene
 Concen: 19.448 ug/l
 RT: 13.39 min Scan# 1884
 Delta R.T. 0.00 min
 Lab File: VW008331.D
 Acq: 17 Jan 2019 16:39

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0117SBS01

Tot Ion	Ratio	Lower	Upper
105	100		
134	20.3	10.1	30.3

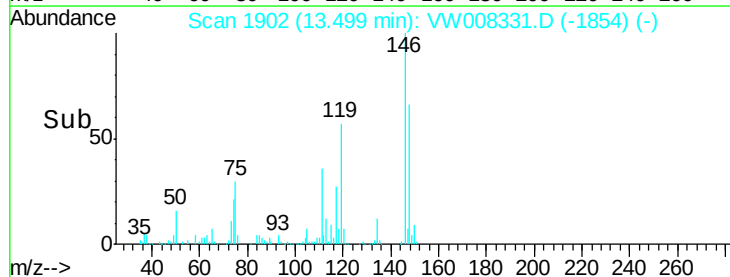
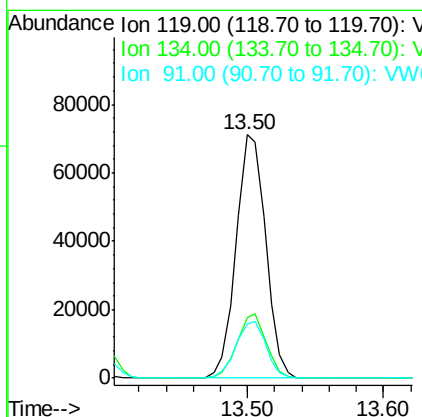
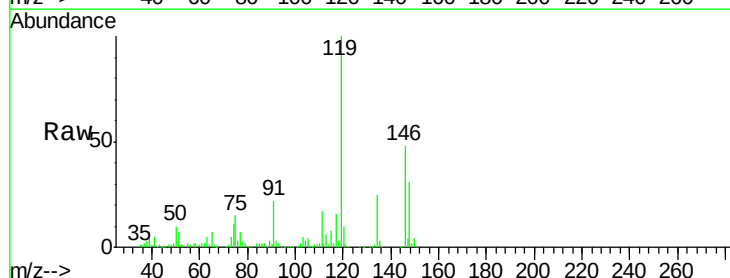
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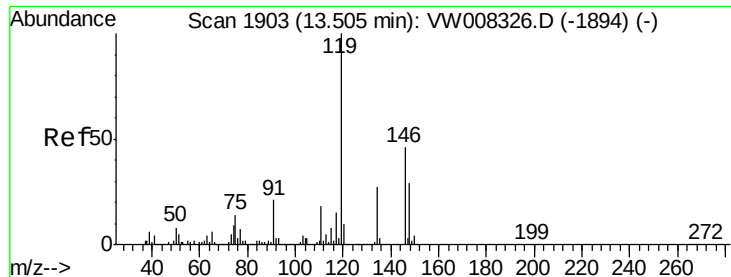
MMDadoda
 1/18/2019 2:10:03 PM



#86
 p-Isopropyltoluene
 Concen: 19.414 ug/l
 RT: 13.50 min Scan# 1902
 Delta R.T. -0.01 min
 Lab File: VW008331.D
 Acq: 17 Jan 2019 16:39

Tgt Ion	Ratio	Lower	Upper
119	100		
134	26.1	13.7	41.0
91	24.0	11.4	34.2





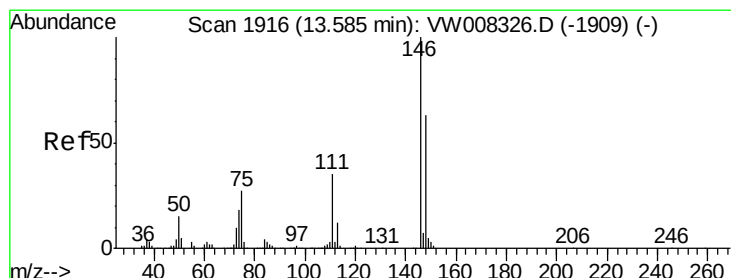
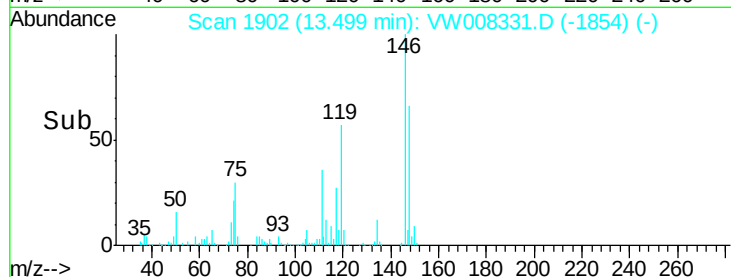
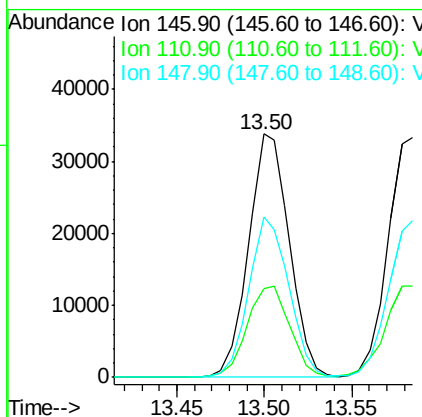
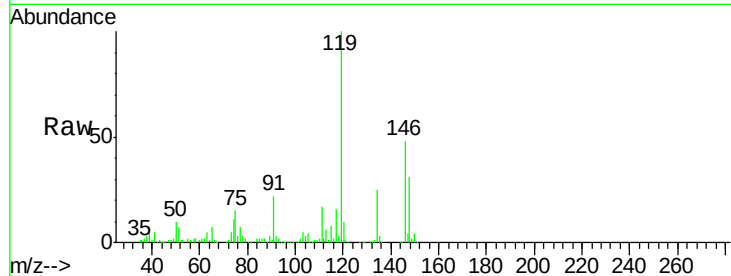
#87
 1,3-Dichlorobenzene
 Concen: 18.996 ug/l
 RT: 13.50 min Scan# 1902
 Delta R.T. -0.01 min
 Lab File: VW008331.D
 Acq: 17 Jan 2019 16:39

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0117SBS01

Tot Ion	Ratio	Lower	Upper
146	100		
111	39.5	19.9	59.7
148	64.9	31.4	94.3

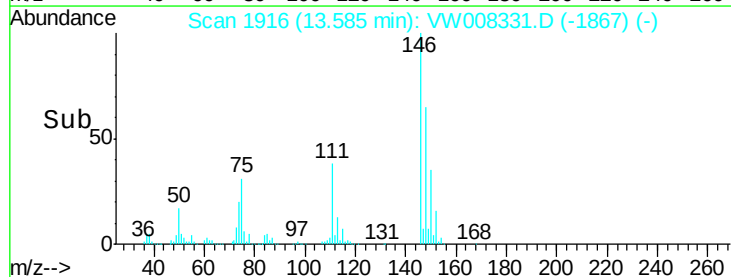
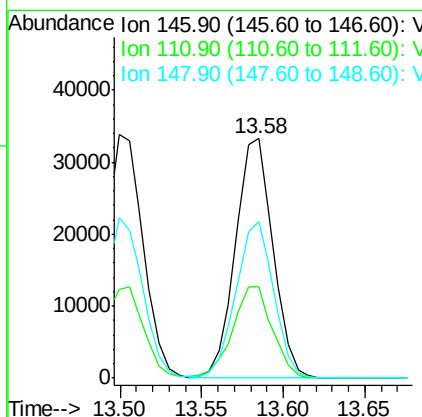
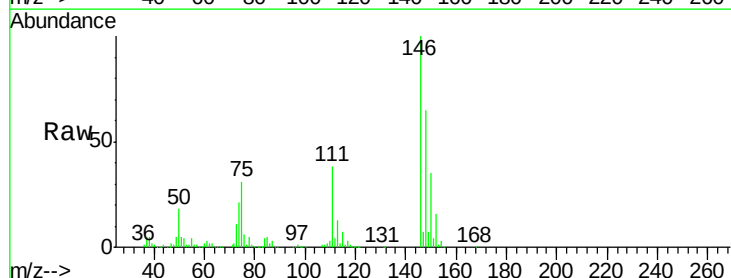
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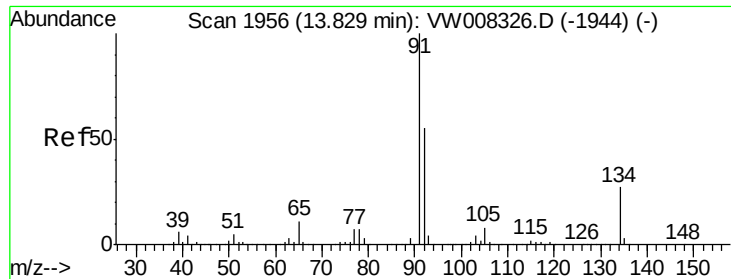
MMDadoda
 1/18/2019 2:10:03 PM



#88
 1,4-Dichlorobenzene
 Concen: 18.534 ug/l
 RT: 13.58 min Scan# 1916
 Delta R.T. 0.00 min
 Lab File: VW008331.D
 Acq: 17 Jan 2019 16:39

Tgt Ion	Ratio	Lower	Upper
146	100		
111	40.4	18.9	56.5
148	65.9	31.6	94.8





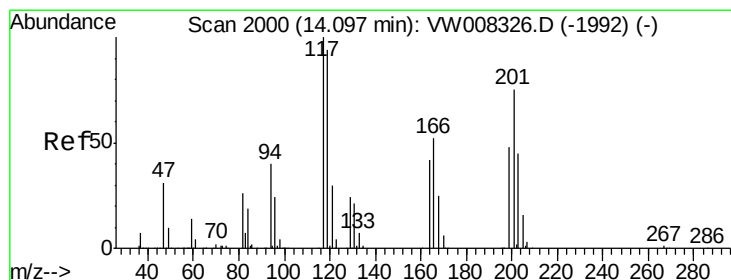
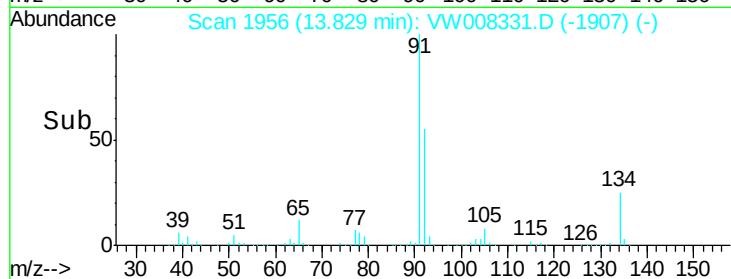
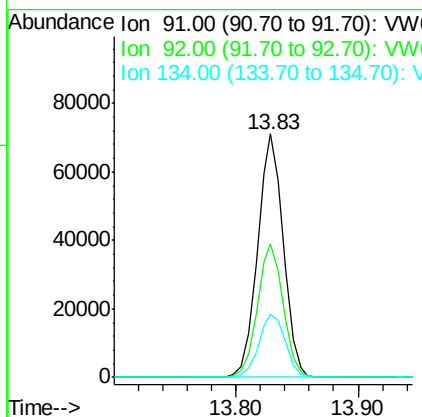
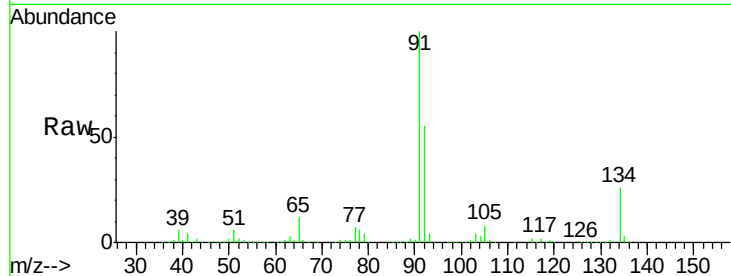
#89
n-Butylbenzene
Concen: 19.559 ug/l
RT: 13.83 min Scan# 1956
Delta R.T. 0.00 min
Lab File: VW008331.D
Acq: 17 Jan 2019 16:39

Instrument :
MSVOA_W
ClientSampleId :
VW0117SBS01

Tot Ion	Ratio	Resp	Lower	Upper
91	100			
92	54.7	27.2	81.6	
134	26.9	13.4	40.1	

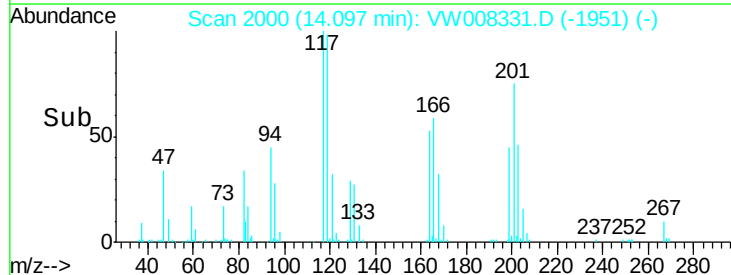
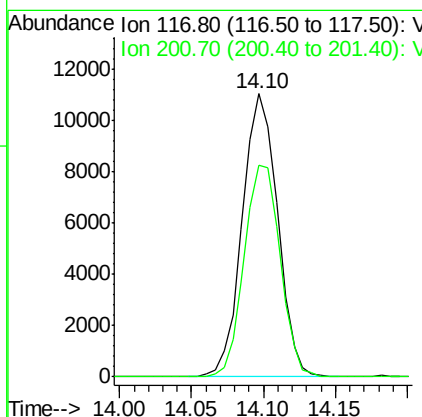
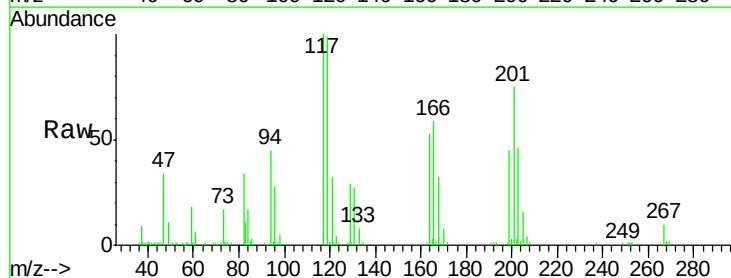
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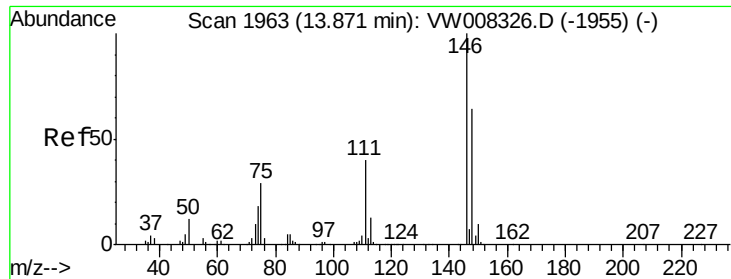
MMDadoda
1/18/2019 2:10:03 PM



#90
Hexachloroethane
Concen: 18.282 ug/l
RT: 14.10 min Scan# 2000
Delta R.T. 0.00 min
Lab File: VW008331.D
Acq: 17 Jan 2019 16:39

Tgt Ion	Ratio	Resp	Lower	Upper
117	100			
201	76.1	39.3	117.9	





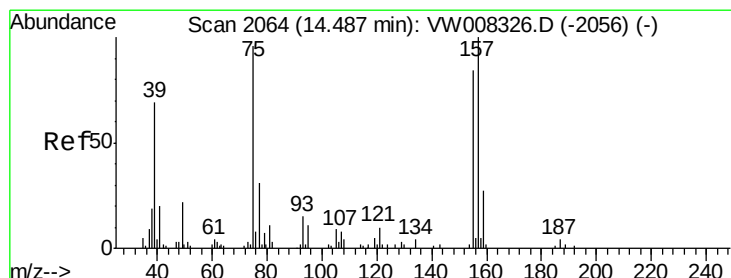
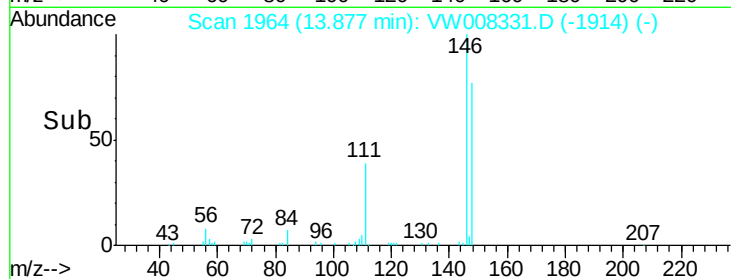
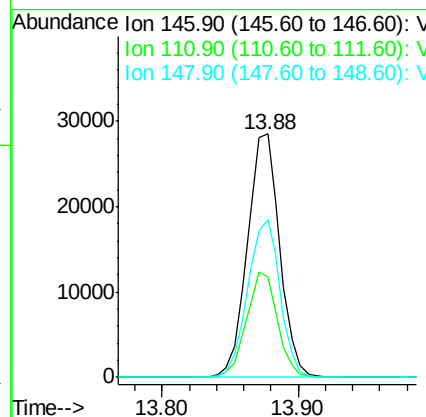
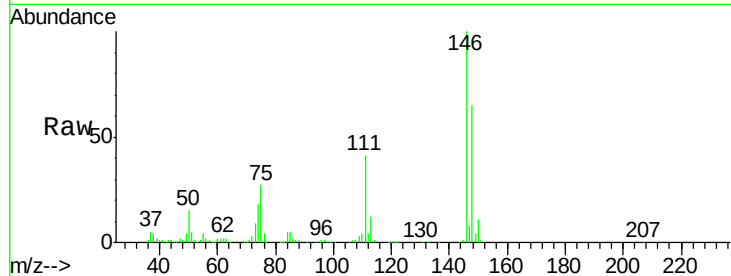
#91
 1,2-Dichlorobenzene
 Concen: 18.649 ug/l
 RT: 13.88 min Scan# 1964
 Delta R.T. 0.01 min
 Lab File: VW008331.D
 Acq: 17 Jan 2019 16:39

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0117SBS01

Tot Ion	Ratio	Lower	Upper
146	100		
111	41.6	19.6	58.8
148	64.7	31.7	95.1

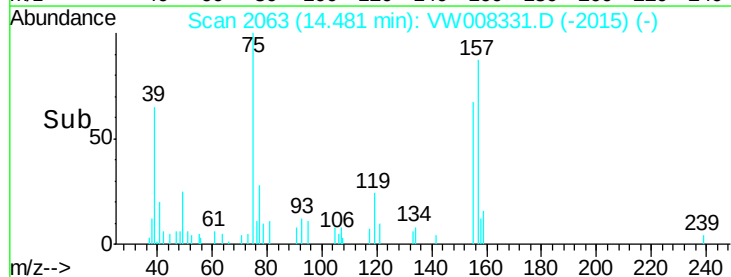
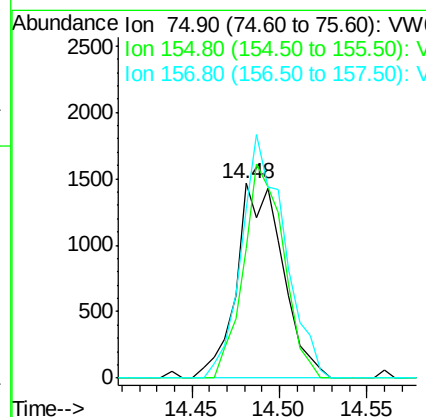
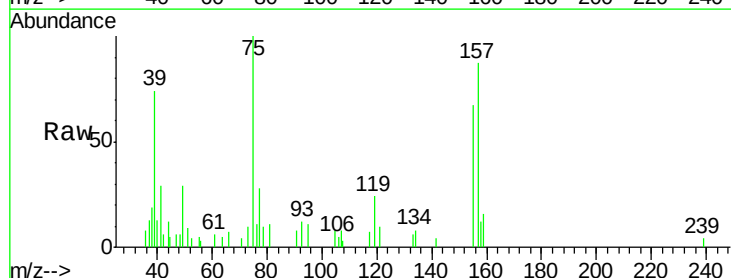
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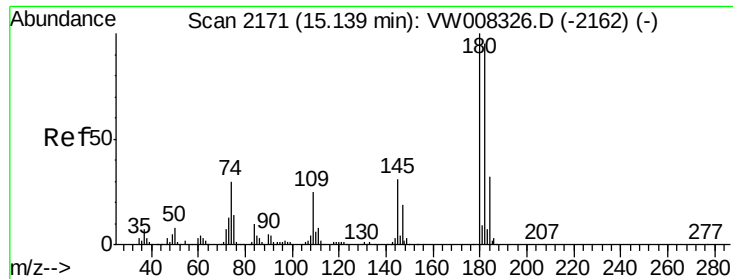
MMDadoda
 1/18/2019 2:10:03 PM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 16.095 ug/l
 RT: 14.48 min Scan# 2063
 Delta R.T. -0.01 min
 Lab File: VW008331.D
 Acq: 17 Jan 2019 16:39

Tgt Ion	Ratio	Lower	Upper
75	100		
155	94.7	44.7	134.1
157	116.0	53.9	161.8





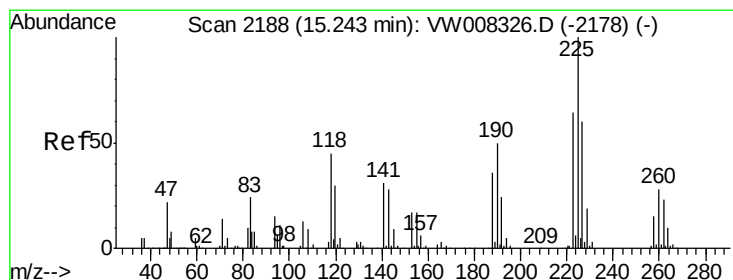
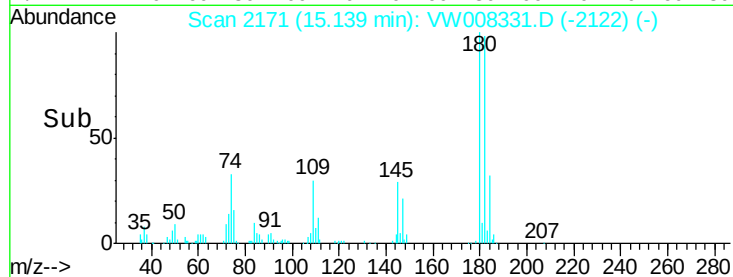
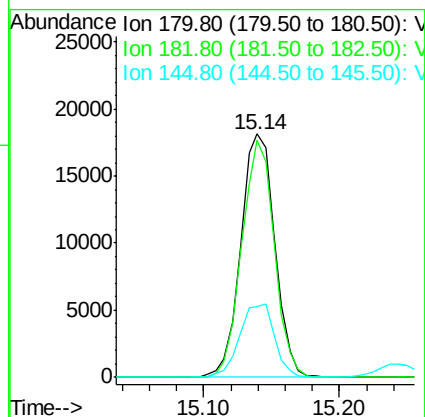
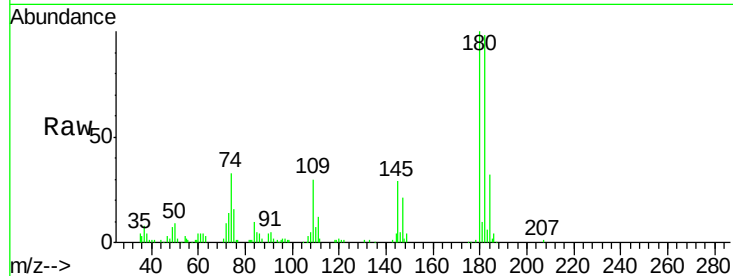
#93
 1,2,4-Trichlorobenzene
 Concen: 18.420 ug/l
 RT: 15.14 min Scan# 2171
 Delta R.T. 0.00 min
 Lab File: VW008331.D
 Acq: 17 Jan 2019 16:39

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0117SBS01

Tot Ion	Ratio	Resp	Lower	Upper
180	100	31666		
182	93.4	47.6	142.8	
145	31.0	14.8	44.4	

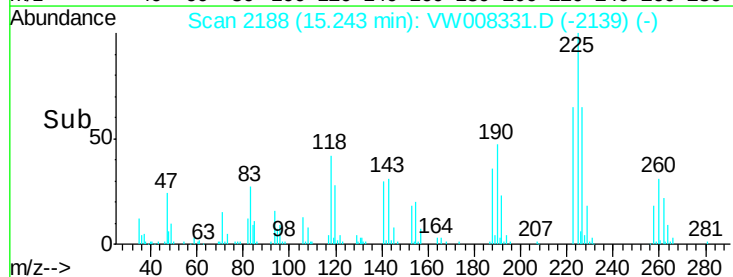
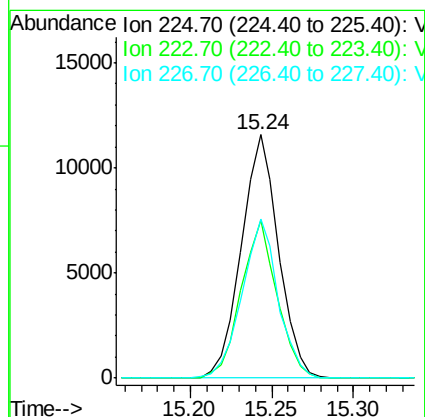
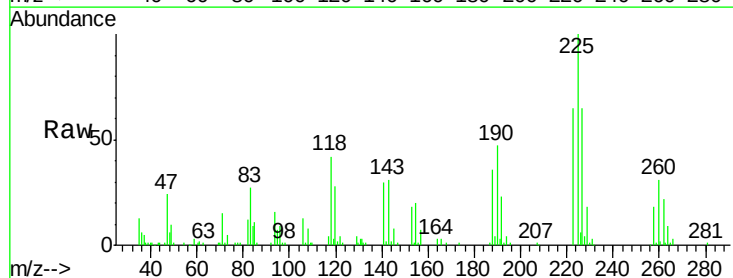
Manual Integrations
 APPROVED

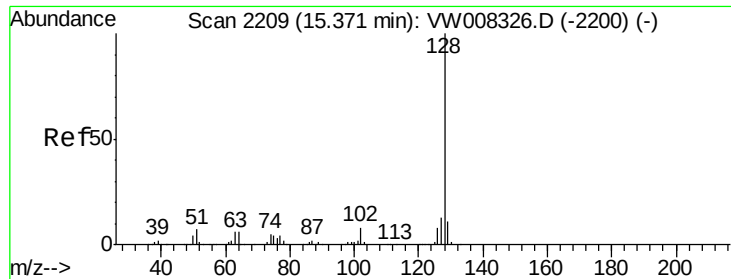
MMDadoda
 1/18/2019 2:10:03 PM



#94
 Hexachlorobutadiene
 Concen: 18.929 ug/l
 RT: 15.24 min Scan# 2188
 Delta R.T. 0.00 min
 Lab File: VW008331.D
 Acq: 17 Jan 2019 16:39

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	18340		
223	62.6	31.1	93.3	
227	63.6	30.3	90.8	





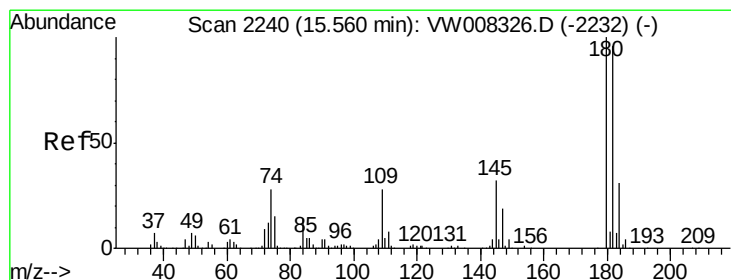
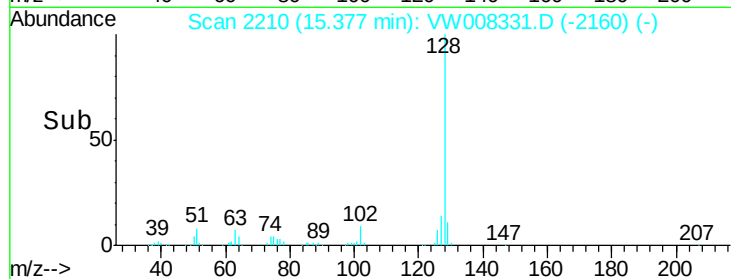
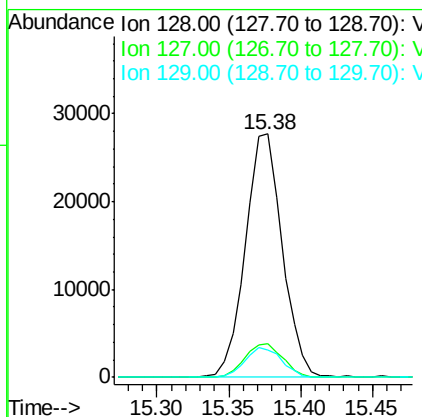
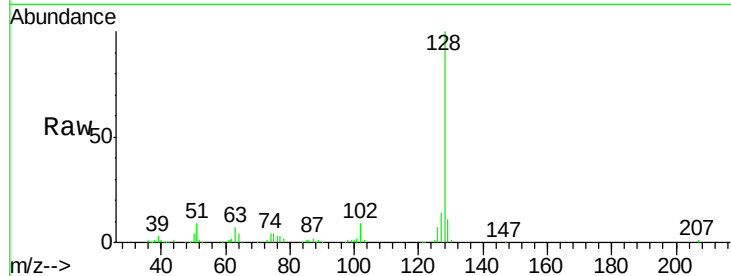
#95
Naphthalene
Concen: 17.059 ug/l
RT: 15.38 min Scan# 2210
Delta R.T. 0.01 min
Lab File: VW008331.D
Acq: 17 Jan 2019 16:39

Instrument :
MSVOA_W
ClientSampleId :
VW0117SBS01

Tot Ion	Ratio	Resp	Lower	Upper
128	100	49053		
127	14.3		10.5	15.7
129	12.3		8.8	13.2

Manual Integrations
APPROVED

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#96
1,2,3-Trichlorobenzene
Concen: 18.041 ug/l
RT: 15.56 min Scan# 2240
Delta R.T. 0.00 min
Lab File: VW008331.D
Acq: 17 Jan 2019 16:39

Tgt Ion	Ratio	Resp	Lower	Upper
180	100	27014		
182	90.1		47.3	141.9
145	33.1		16.2	48.6

