

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW010219\
 Data File : VW008010.D
 Acq On : 02 Jan 2019 15:57
 Operator : SY/AP
 Sample : VSTDICV050
 Misc : 5.00G/5ML/MSVOA W/SOIL
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 ICVVW010219

Manual Integrations
 APPROVED

MMDadoda
 1/3/2019 10:55:41 AM

Quant Time: Jan 03 05:36:51 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W010219S.M
 Quant Title : SW846 8260
 QLast Update : Thu Jan 03 05:03:55 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	72466	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	111333	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	101892	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	50848	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.31	65	41408	51.66	ug/l	0.00
Spiked Amount			Recovery	=	103.32%	
35) Dibromofluoromethane	7.88	113	37126	52.90	ug/l	0.00
Spiked Amount			Recovery	=	105.80%	
50) Toluene-d8	10.32	98	139899	53.14	ug/l	0.00
Spiked Amount			Recovery	=	106.28%	
62) 4-Bromofluorobenzene	12.62	95	54110	53.59	ug/l	0.00
Spiked Amount			Recovery	=	107.18%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	2.01	85	32529	48.915	ug/l	88
3) Chloromethane	2.22	50	24841	50.353	ug/l	98
4) Vinyl Chloride	2.37	62	31867	50.014	ug/l	94
5) Bromomethane	2.78	94	19462	48.077	ug/l	91
6) Chloroethane	2.93	64	15961	49.011	ug/l #	86
7) Trichlorofluoromethane	3.26	101	32498	50.810	ug/l	98
8) Diethyl Ether	3.68	74	15865	48.294	ug/l	100
9) 1,1,2-Trichlorotrifluoroet	4.06	101	37354	49.145	ug/l	99
10) Methyl Iodide	4.26	142	58396	47.755	ug/l	99
11) Tert butyl alcohol	5.17	59	11453	219.943	ug/l	98
12) 1,1-Dichloroethene	4.03	96	35415	48.677	ug/l	93
13) Acrolein	3.89	56	8453	239.586	ug/l	98
14) Allyl chloride	4.67	41	48022	48.721	ug/l	98
15) Acrylonitrile	5.37	53	29693	245.748	ug/l	99
16) Acetone	4.12	43	31593	254.635	ug/l	98
17) Carbon Disulfide	4.37	76	109037	49.063	ug/l	97
18) Methyl Acetate	4.68	43	16304	50.671	ug/l	98
19) Methyl tert-butyl Ether	5.43	73	55706	48.653	ug/l	99
20) Methylene Chloride	4.91	84	33601	43.610	ug/l	97
21) trans-1,2-Dichloroethene	5.42	96	37087	46.852	ug/l	92
22) Diisopropyl ether	6.32	45	84913	47.996	ug/l	95
23) Vinyl Acetate	6.26	43	241922	244.404	ug/l	97
24) 1,1-Dichloroethane	6.21	63	62129	47.265	ug/l	98
25) 2-Butanone	7.17	43	35657	243.920	ug/l	98
26) 2,2-Dichloropropane	7.17	77	51676	47.716	ug/l	99
27) cis-1,2-Dichloroethene	7.17	96	39857	47.269	ug/l	98
28) Bromochloromethane	7.51	49	20705	49.007	ug/l #	99
29) Tetrahydrofuran	7.53	42	22025	242.562	ug/l	99
30) Chloroform	7.68	83	69276	47.024	ug/l	95
31) Cyclohexane	7.95	56	55679	45.446	ug/l	97
32) 1,1,1-Trichloroethane	7.87	97	68906	48.881	ug/l	99
36) 1,1-Dichloropropene	8.08	75	55082	50.154	ug/l	98
37) Ethyl Acetate	7.25	43	15959	48.377	ug/l	98
38) Carbon Tetrachloride	8.07	117	66514	50.535	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.34	83	66057	48.253	ug/l	99
40) Benzene	8.32	78	140617	48.534	ug/l	100
41) Methacrylonitrile	7.48	41	9346	48.185	ug/l	89
42) 1,2-Dichloroethane	8.40	62	46888	48.572	ug/l	99
43) Isopropyl Acetate	8.43	43	33202	50.371	ug/l	100
44) Trichloroethene	9.09	130	41588	48.642	ug/l	97
45) 1,2-Dichloropropane	9.37	63	31009	49.446	ug/l	97
46) Dibromomethane	9.46	93	17877	48.757	ug/l	98
47) Bromodichloromethane	9.65	83	49125	47.835	ug/l	96
48) Methyl methacrylate	9.44	41	16331	49.138	ug/l	97
49) 1,4-Dioxane	9.45	88	5272	971.620	ug/l	95
51) 4-Methyl-2-Pentanone	10.21	43	73584	241.170	ug/l	99
52) Toluene	10.39	92	93053	48.650	ug/l	100
53) t-1,3-Dichloropropene	10.61	75	47744	48.348	ug/l	99
54) cis-1,3-Dichloropropene	10.07	75	53008	48.104	ug/l	98
55) 1,1,2-Trichloroethane	10.79	97	23622	47.584	ug/l	97
56) Ethyl methacrylate	10.65	69	28368	50.547	ug/l	98
57) 1,3-Dichloropropane	10.93	76	39713	47.079	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.93	63	67084	252.040	ug/l	99
59) 2-Hexanone	10.97	43	52758	250.469	ug/l	97
60) Dibromochloromethane	11.13	129	33435	49.203	ug/l	99
61) 1,2-Dibromoethane	11.24	107	24648	49.614	ug/l	99
64) Tetrachloroethene	10.87	164	33540	47.654	ug/l	98
65) Chlorobenzene	11.66	112	107219	49.236	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.73	131	38239	48.490	ug/l	97
67) Ethyl Benzene	11.73	91	188164	48.681	ug/l	99
68) m/p-Xylenes	11.84	106	146451	98.004	ug/l	99
69) o-Xylene	12.17	106	68643	49.367	ug/l	100
70) Styrene	12.18	104	112511	49.644	ug/l	100
71) Bromoform	12.35	173	17940	49.103	ug/l #	98
73) Isopropylbenzene	12.47	105	197627	48.877	ug/l	99
74) N-amyl acetate	12.27	43	30399	48.299	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.72	83	24597	47.811	ug/l	99
76) 1,2,3-Trichloropropane	12.77	75	20240m	50.035	ug/l	
77) Bromobenzene	12.75	156	41976	48.300	ug/l	99
78) n-propylbenzene	12.81	91	229426	48.940	ug/l	100
79) 2-Chlorotoluene	12.90	91	131828	48.656	ug/l	99
80) 1,3,5-Trimethylbenzene	12.94	105	169161	48.604	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.52	75	8593	50.235	ug/l	97
82) 4-Chlorotoluene	12.99	91	138396	48.038	ug/l	100
83) tert-Butylbenzene	13.21	119	149342	49.045	ug/l	99
84) 1,2,4-Trimethylbenzene	13.26	105	170056	48.240	ug/l	99
85) sec-Butylbenzene	13.39	105	203058	48.476	ug/l	99
86) p-Isopropyltoluene	13.51	119	186283	49.304	ug/l	100
87) 1,3-Dichlorobenzene	13.51	146	84459	48.166	ug/l	100
88) 1,4-Dichlorobenzene	13.58	146	84397	48.615	ug/l	99
89) n-Butylbenzene	13.83	91	167027	48.331	ug/l	99
90) Hexachloroethane	14.10	117	31556	48.133	ug/l	100
91) 1,2-Dichlorobenzene	13.87	146	73518	47.711	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.49	75	5263	50.404	ug/l	95

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.14	180	51314	47.414	ug/l	99
94) Hexachlorobutadiene	15.24	225	29996	48.002	ug/l	97
95) Naphthalene	15.38	128	91742	49.774	ug/l	100
96) 1,2,3-Trichlorobenzene	15.56	180	42878	48.150	ug/l	99

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

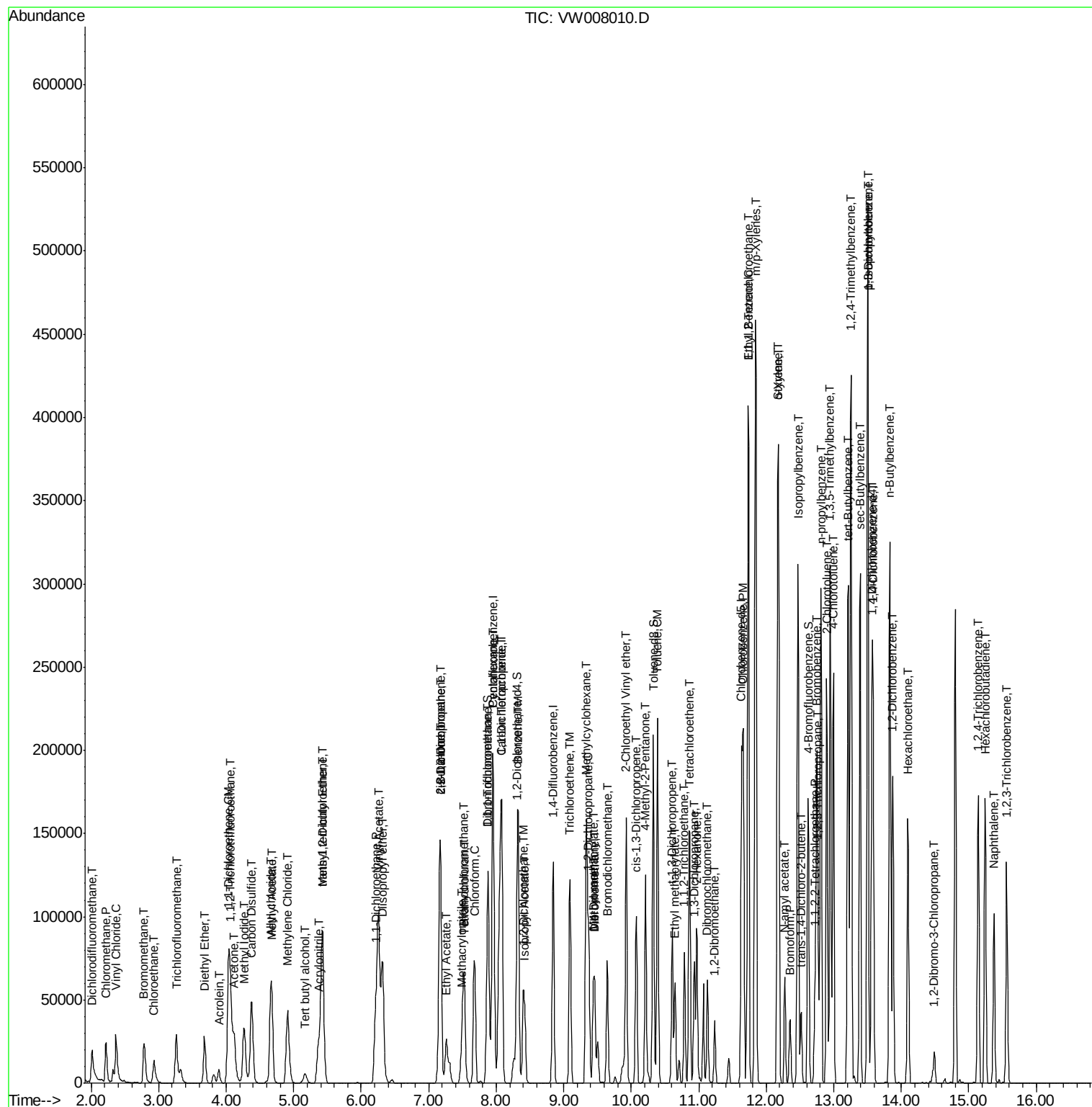
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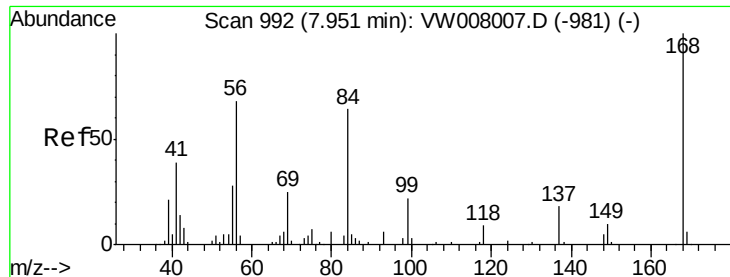
Instrument :
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 992

Delta R.T. 0.00 min

Lab File: VW008010.D

Acq: 02 Jan 2019 15:57

Instrument :

MSVOA_W

ClientSampleId :

ICVW010219

Tot Ion:168 Resp: 72466

Ion Ratio Lower Upper

168 100

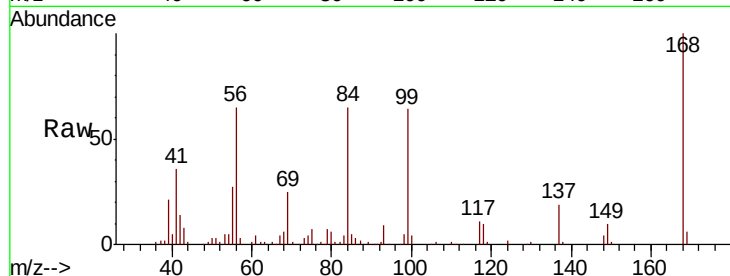
99 63.5 51.6 77.4

Manual Integrations

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1/3/2019 10:55:41 AM



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW

7.95

30000

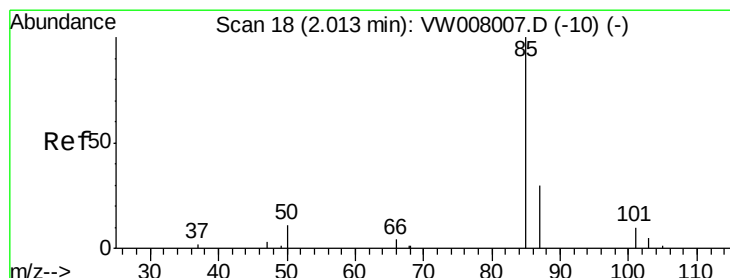
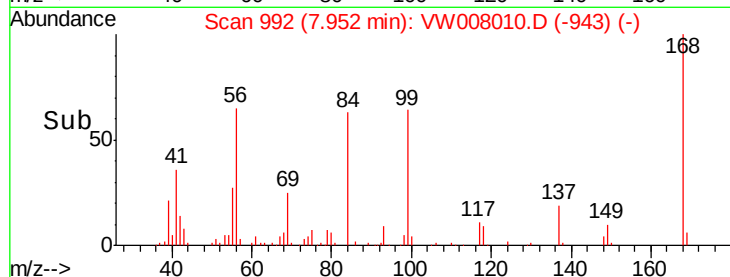
20000

10000

0

7.85 7.90 7.95 8.00 8.05

Time-->



#2

Dichlorodifluoromethane

Concen: 48.915 ug/l

RT: 2.01 min Scan# 18

Delta R.T. 0.00 min

Lab File: VW008010.D

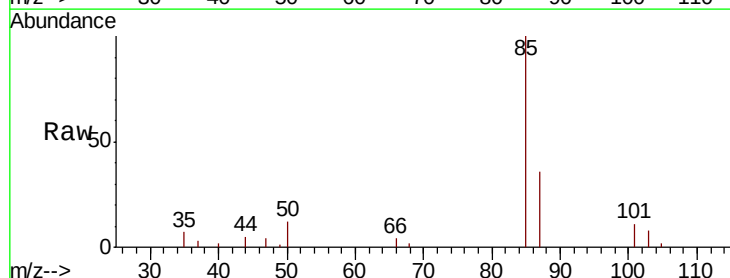
Acq: 02 Jan 2019 15:57

Tgt Ion: 85 Resp: 32529

Ion Ratio Lower Upper

85 100

87 36.3 15.0 45.0



Abundance Ion 84.90 (84.60 to 85.60): VW

Ion 86.90 (86.60 to 87.60): VW

12000

10000

8000

6000

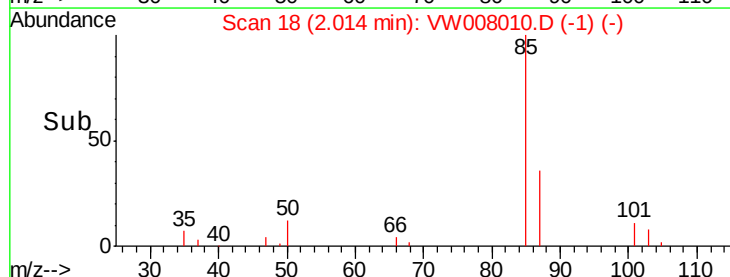
4000

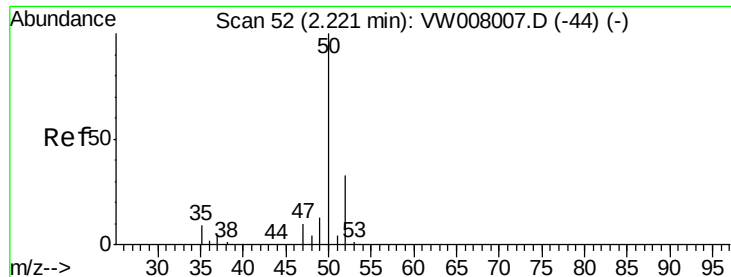
2000

0

1.90 2.00 2.10

Time-->





#3

Chloromethane

Concen: 50.353 ug/l

RT: 2.22 min Scan# 52

Delta R.T. 0.00 min

Lab File: VW008010.D

Acq: 02 Jan 2019 15:57

Instrument :

MSVOA_W

ClientSampleId :

ICVW010219

Tot Ion: 50 Resp: 24841

Ion Ratio Lower Upper

50 100

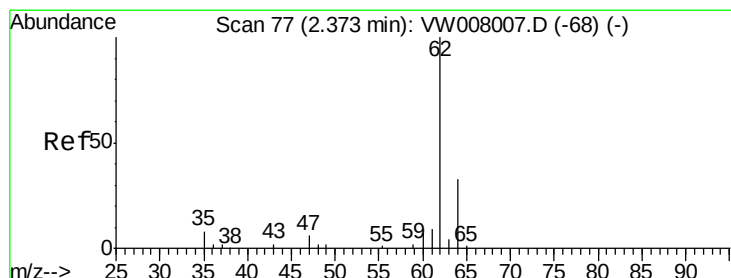
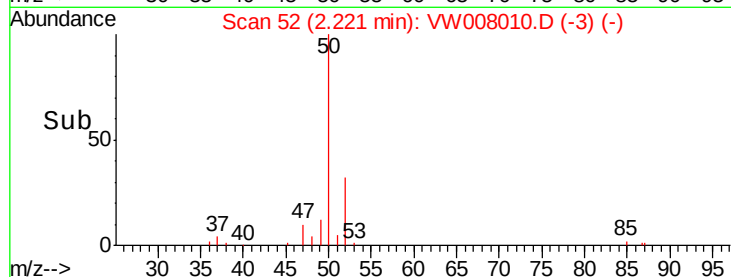
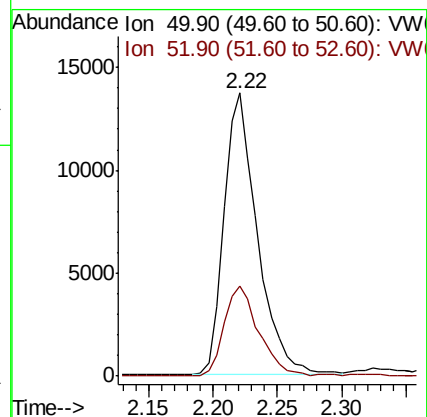
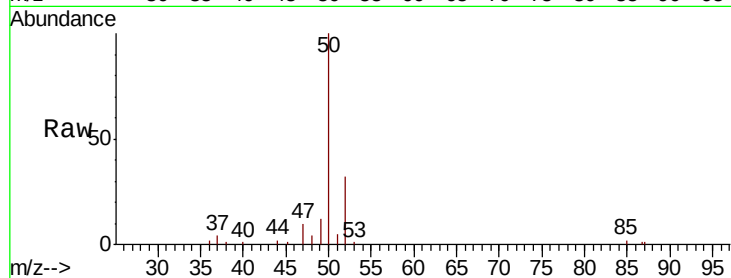
52 32.1 26.8 40.2

Manual Integrations

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#4

Vinyl Chloride

Concen: 50.014 ug/l

RT: 2.37 min Scan# 76

Delta R.T. -0.01 min

Lab File: VW008010.D

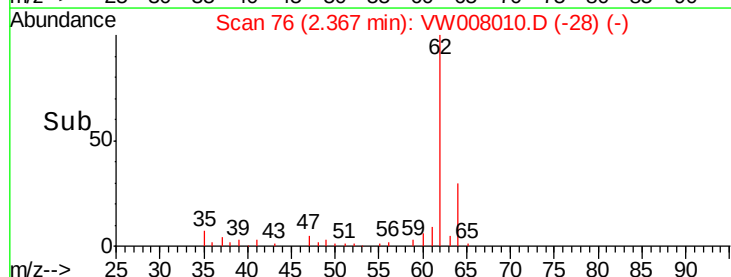
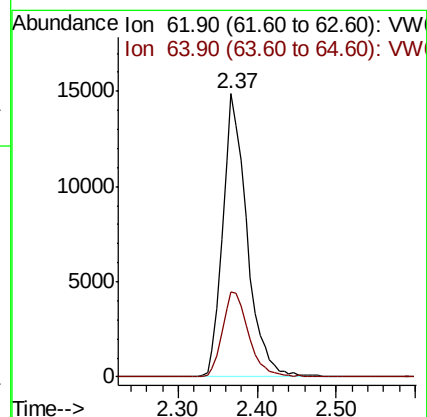
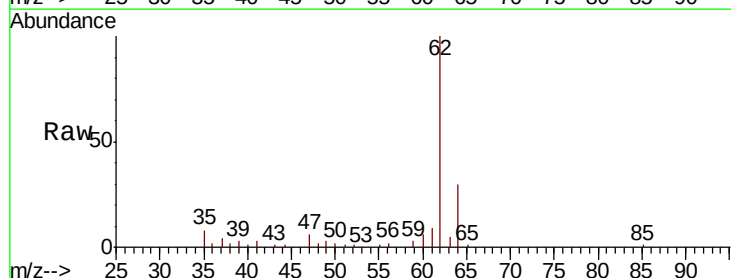
Acq: 02 Jan 2019 15:57

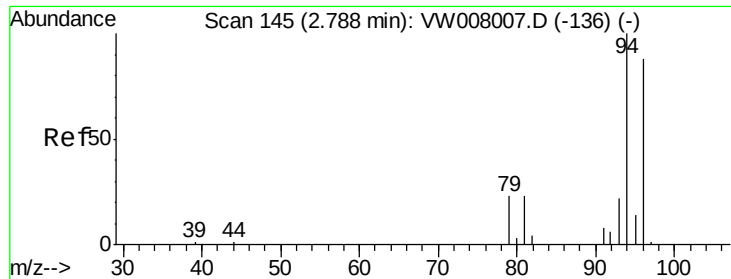
Tgt Ion: 62 Resp: 31867

Ion Ratio Lower Upper

62 100

64 30.1 26.8 40.2





#5

Bromomethane

Concen: 48.077 ug/l

RT: 2.78 min Scan# 144

Delta R.T. -0.01 min

Lab File: VW008010.D

Acq: 02 Jan 2019 15:57

Instrument :

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ClientSampleId :

ICVW010219

Tot Ion: 94 Resp: 19462

Ion Ratio Lower Upper

94 100

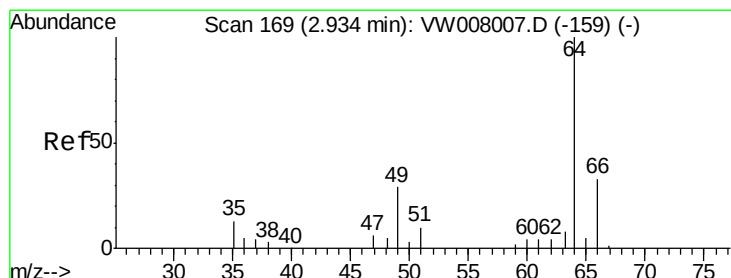
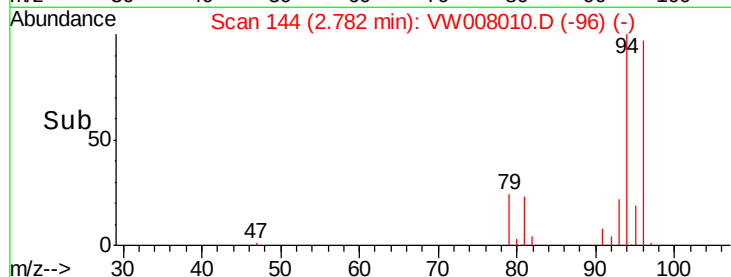
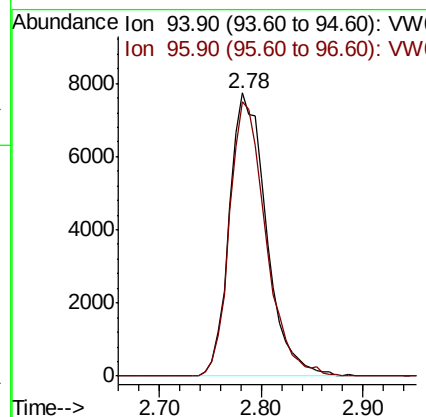
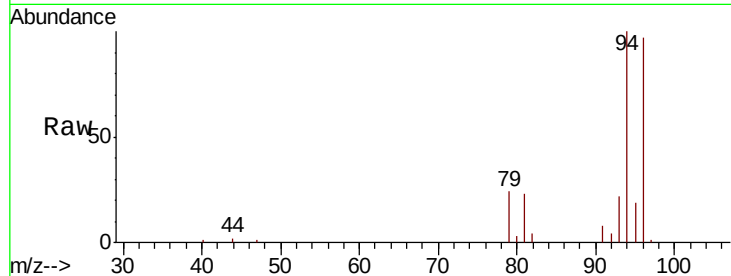
96 96.8 70.7 106.1

Manual Integrations

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#6

Chloroethane

Concen: 49.011 ug/l

RT: 2.93 min Scan# 168

Delta R.T. -0.01 min

Lab File: VW008010.D

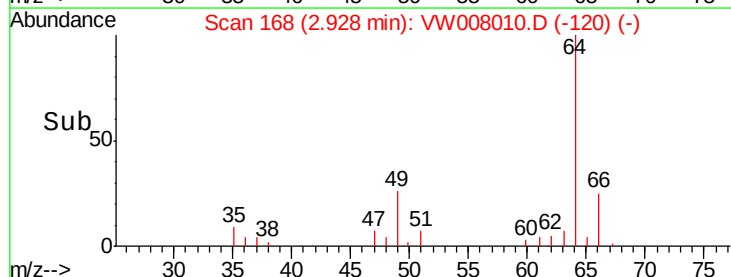
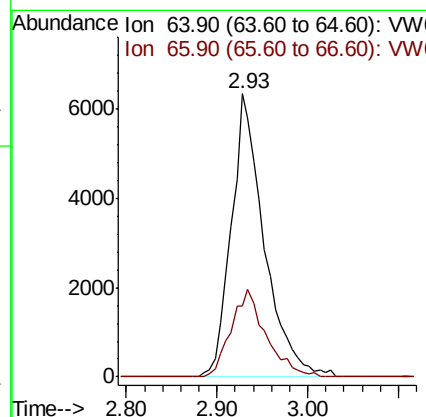
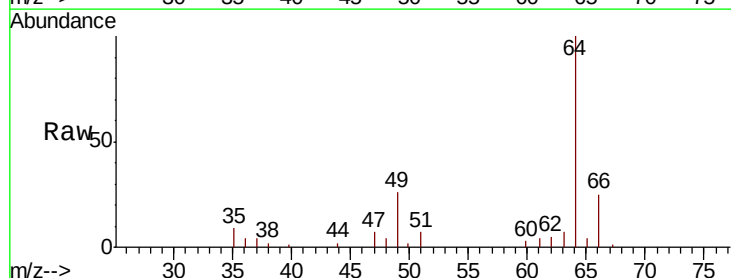
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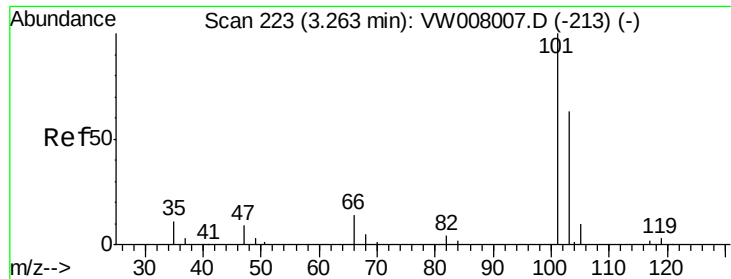
Tgt Ion: 64 Resp: 15961

Ion Ratio Lower Upper

64 100

66 25.1 26.6 39.8#





#7

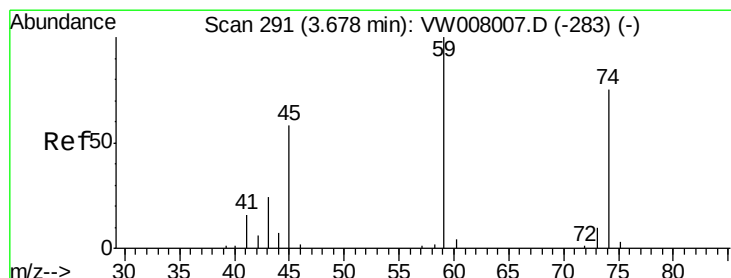
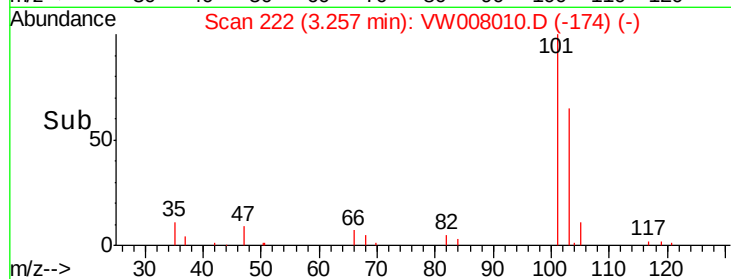
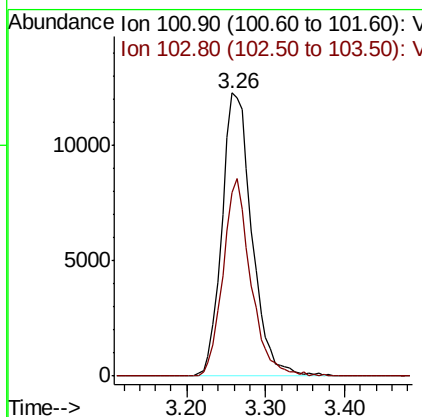
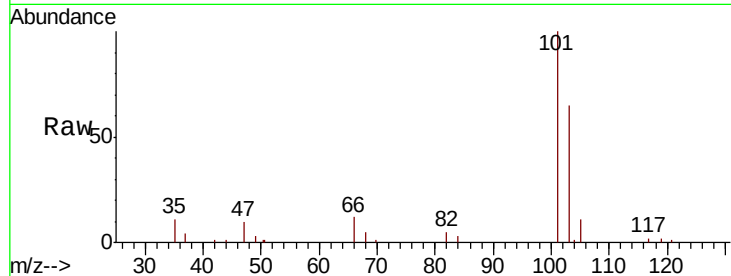
Trichlorofluoromethane
 Concen: 50.810 ug/l
 RT: 3.26 min Scan# 222
 Delta R.T. -0.01 min
 Lab File: VW008010.D
 Acq: 02 Jan 2019 15:57

Instrument :
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 ClientSampled :
 ICVVW010219

Tot Ion	Ion	Ratio	Resp	Lower	Upper
101	100		32498		
103	64.9	50.5			75.7

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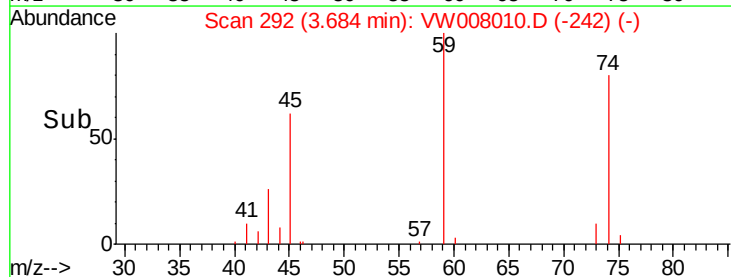
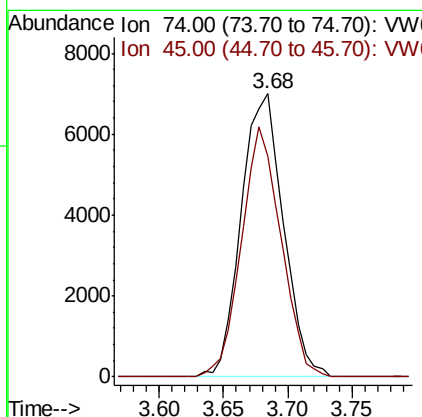
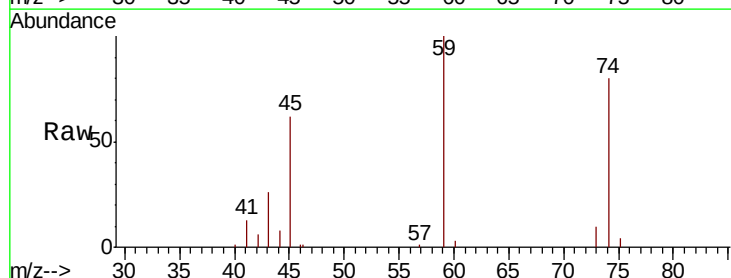
MMDadoda
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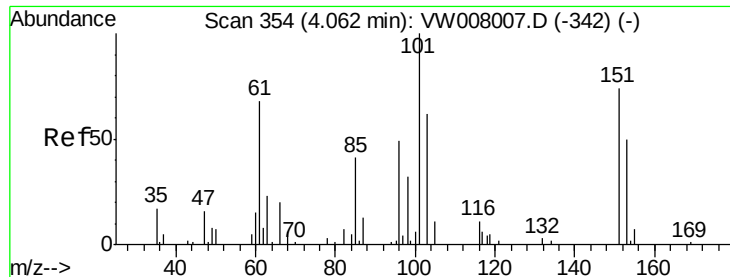


#8

Diethyl Ether
 Concen: 48.294 ug/l
 RT: 3.68 min Scan# 292
 Delta R.T. 0.01 min
 Lab File: VW008010.D
 Acq: 02 Jan 2019 15:57

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
74	100		15865		
45	82.6	41.4			124.2





#9

1,1,2-Trichlorotrifluoroethane

Concen: 49.145 ug/l

RT: 4.06 min Scan# 354

Delta R.T. 0.00 min

Lab File: VW008010.D

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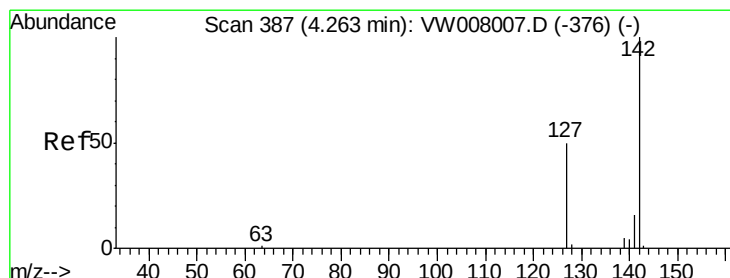
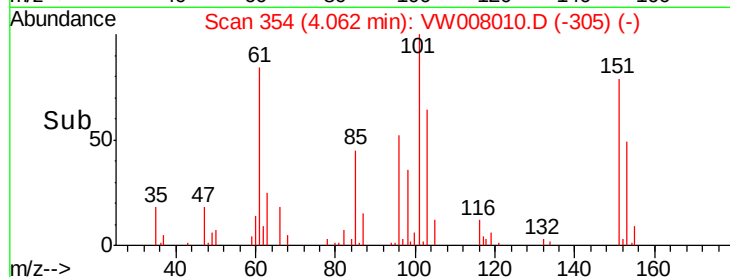
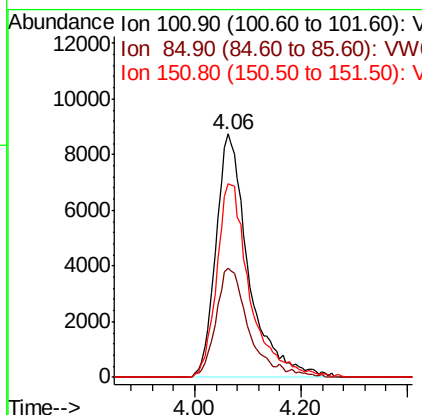
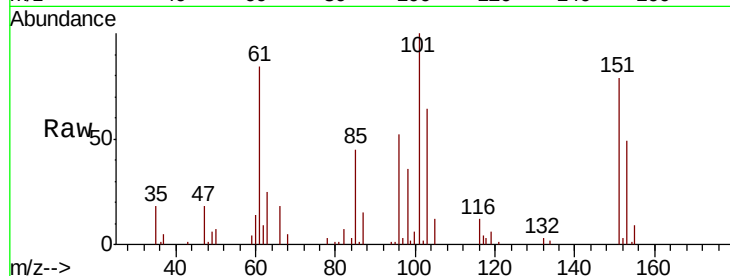
ClientSampled :

ICVW010219

Tot Ion:	101	Resp:	37354
Ion Ratio	Lower	Upper	
101	100		
85	44.5	35.1	52.7
151	80.9	65.3	97.9

Manual Integrations
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#10

Methyl Iodide

Concen: 47.755 ug/l

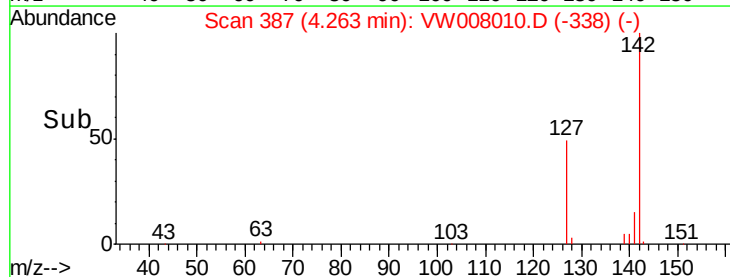
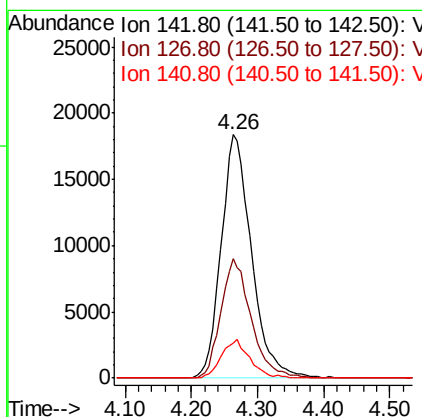
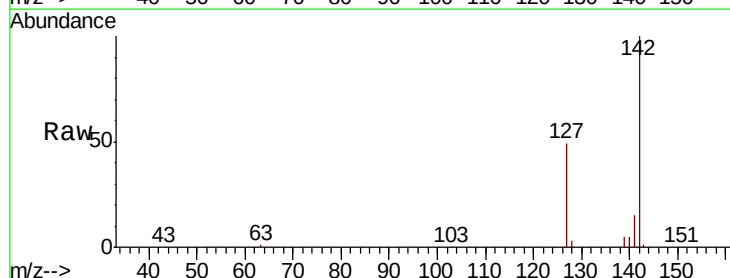
RT: 4.26 min Scan# 387

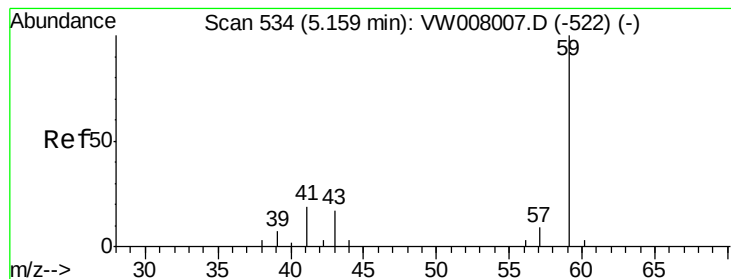
Delta R.T. 0.00 min

Lab File: VW008010.D

Acq: 02 Jan 2019 15:57

Tgt Ion:	142	Resp:	58396
Ion Ratio	Lower	Upper	
142	100		
127	48.6	39.4	59.0
141	14.9	12.1	18.1





#11

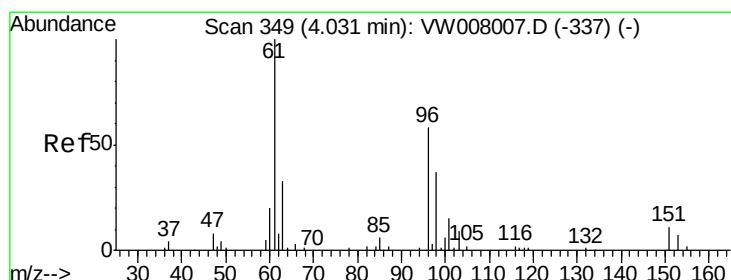
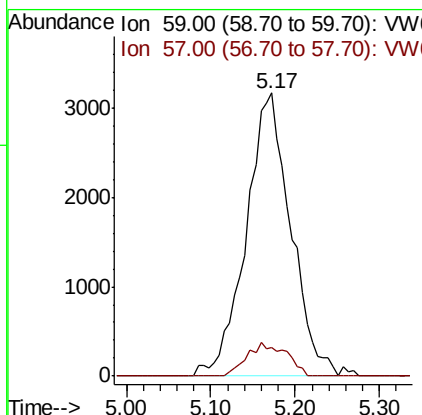
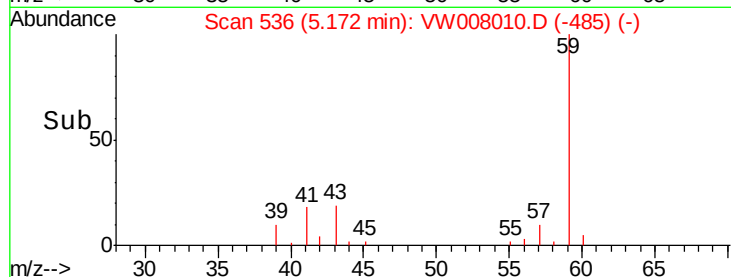
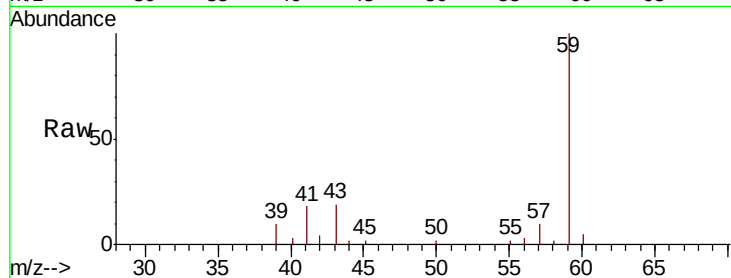
Tert butyl alcohol
 Concen: 219.943 ug/l
 RT: 5.17 min Scan# 536
 Delta R.T. 0.01 min
 Lab File: VW008010.D
 Acq: 02 Jan 2019 15:57

Instrument :
 MSVOA_W
 ClientSampled :
 ICVVW010219

Tot Ion	Ratio	Lower	Upper
59	100		
57	10.4	9.0	13.4

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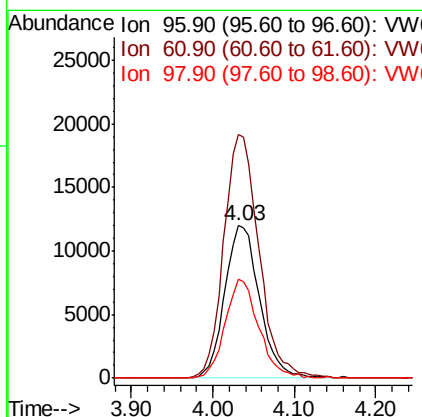
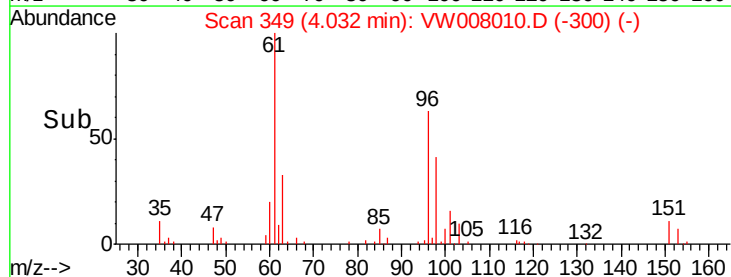
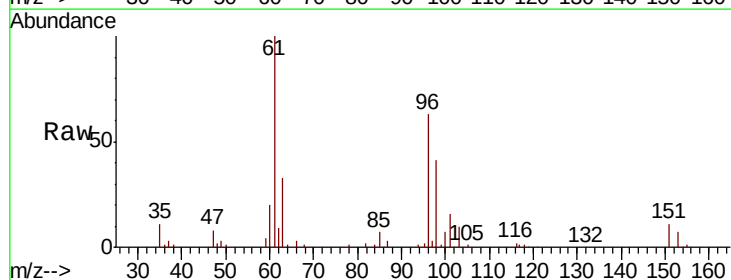
MMDadoda
 1/3/2019 10:55:41 AM

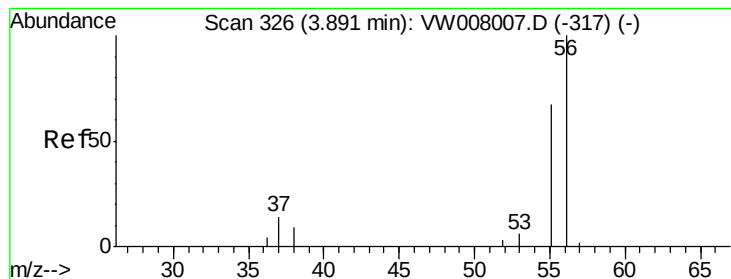


#12

1,1-Dichloroethene
 Concen: 48.677 ug/l
 RT: 4.03 min Scan# 349
 Delta R.T. 0.00 min
 Lab File: VW008010.D
 Acq: 02 Jan 2019 15:57

Tgt Ion	Ratio	Lower	Upper
96	100		
61	159.5	137.3	205.9
98	65.1	50.5	75.7





#13

Acrolein

Concen: 239.586 ug/l

RT: 3.89 min Scan# 326

Delta R.T. 0.00 min

Lab File: VW008010.D

Acq: 02 Jan 2019 15:57

Instrument :

MSVOA_W

ClientSampleId :

ICVW010219

Tot Ion: 56 Resp: 8453

Ion Ratio Lower Upper

56 100

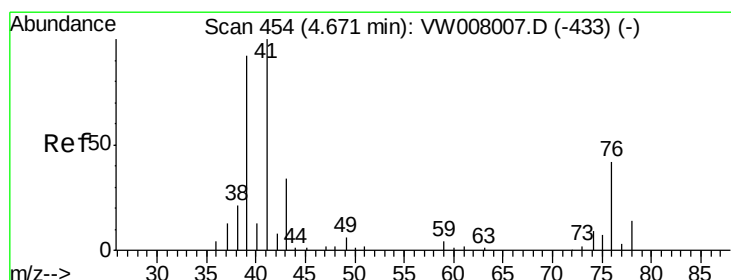
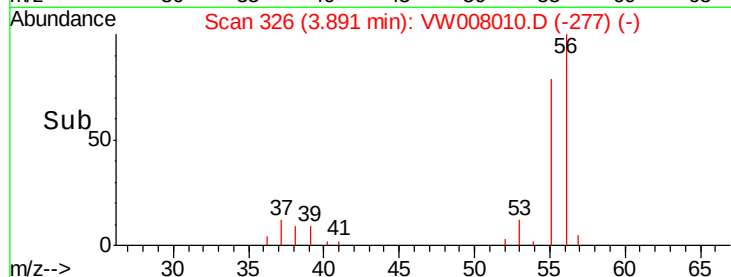
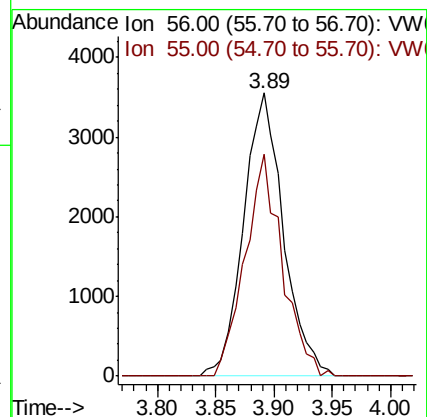
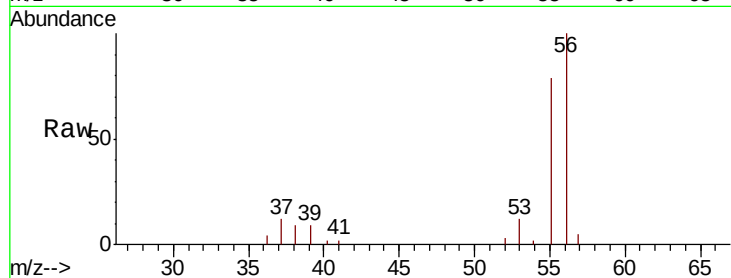
55 73.1 57.3 85.9

Manual Integrations

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#14

Allyl chloride

Concen: 48.721 ug/l

RT: 4.67 min Scan# 453

Delta R.T. -0.01 min

Lab File: VW008010.D

Acq: 02 Jan 2019 15:57

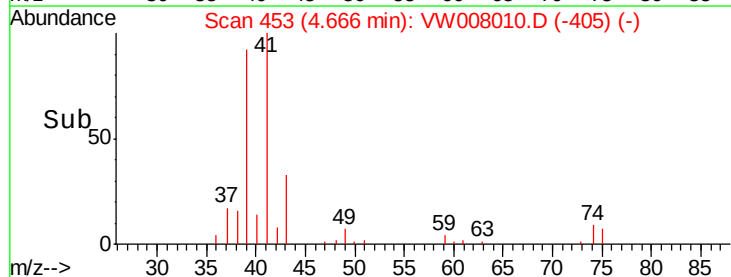
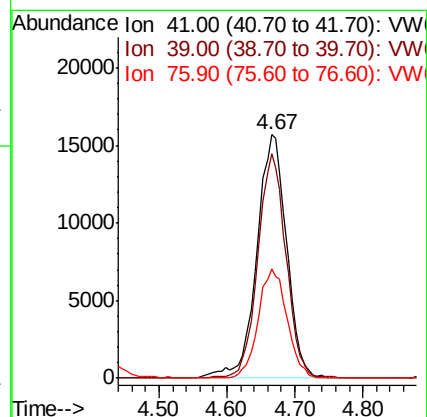
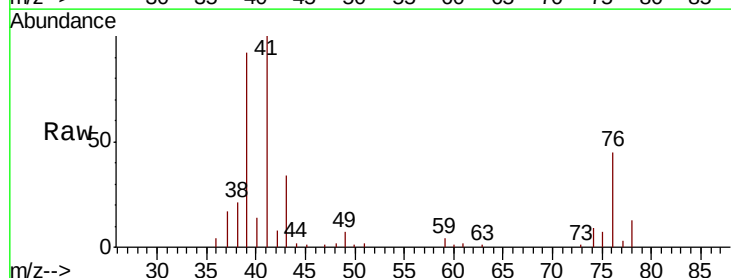
Tgt Ion: 41 Resp: 48022

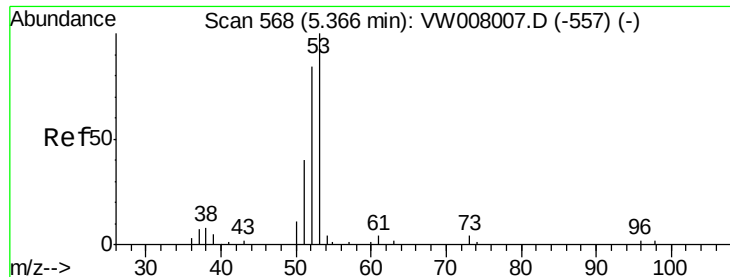
Ion Ratio Lower Upper

41 100

39 87.2 71.1 106.7

76 43.0 33.4 50.2





#15

Acrylonitrile

Concen: 245.748 ug/l

RT: 5.37 min Scan# 568

Delta R.T. 0.00 min

Lab File: VW008010.D

Acq: 02 Jan 2019 15:57

Instrument :

MSVOA_W

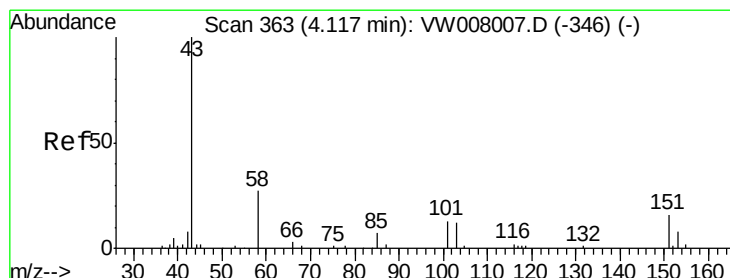
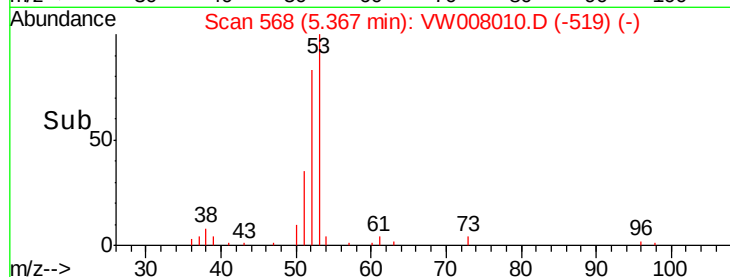
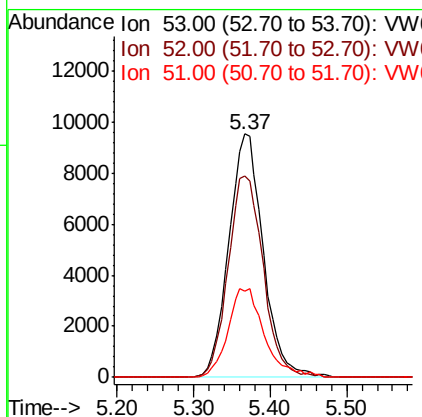
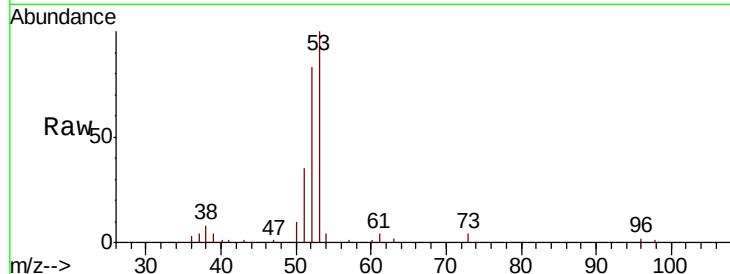
ClientSampleId :

ICVW010219

Tot Ion:	53	Resp:	29693
Ion	Ratio	Lower	Upper
53	100		
52	84.2	67.8	101.8
51	38.6	31.5	47.3

Manual Integrations
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#16

Acetone

Concen: 254.635 ug/l

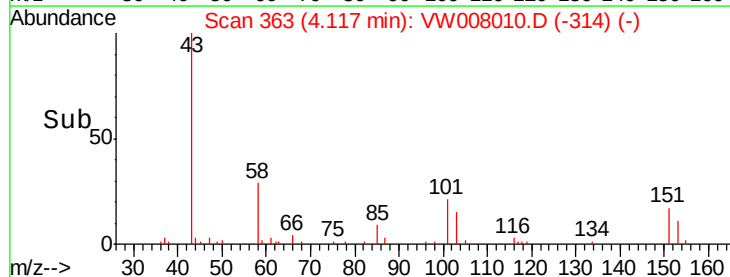
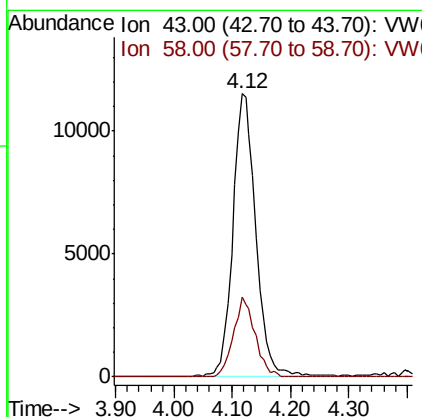
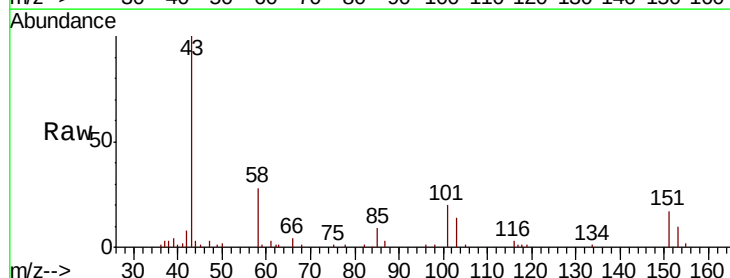
RT: 4.12 min Scan# 363

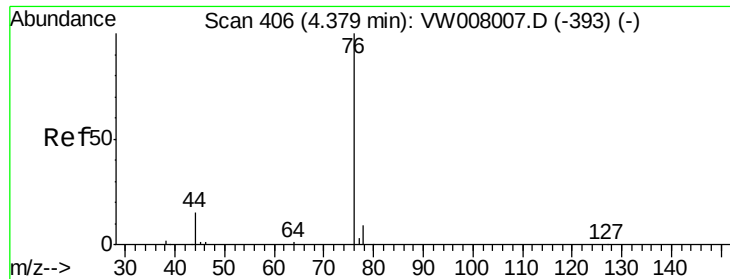
Delta R.T. 0.00 min

Lab File: VW008010.D

Acq: 02 Jan 2019 15:57

Tgt Ion:	43	Resp:	31593
Ion	Ratio	Lower	Upper
43	100		
58	28.3	21.7	32.5





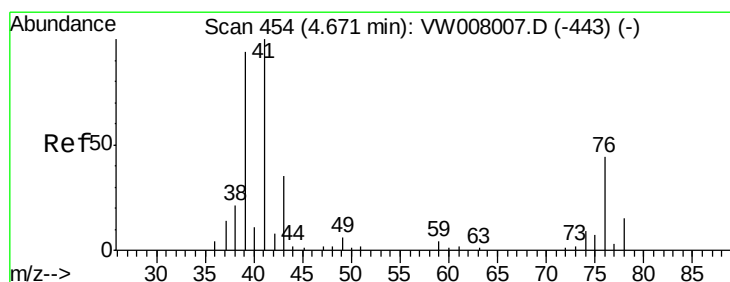
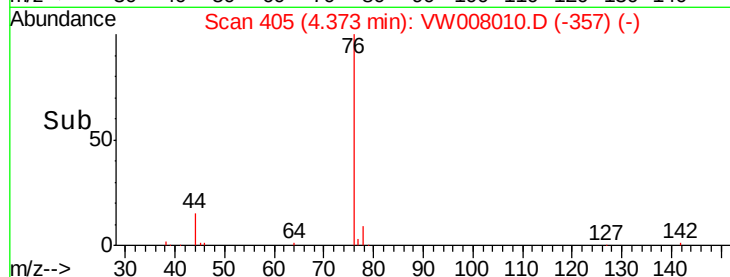
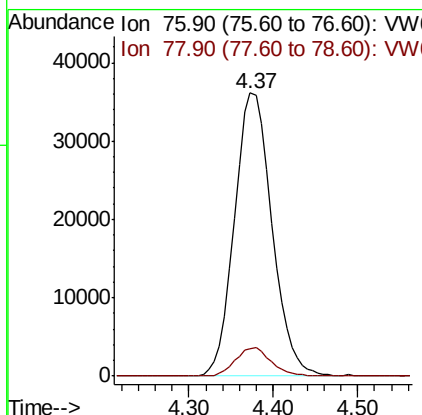
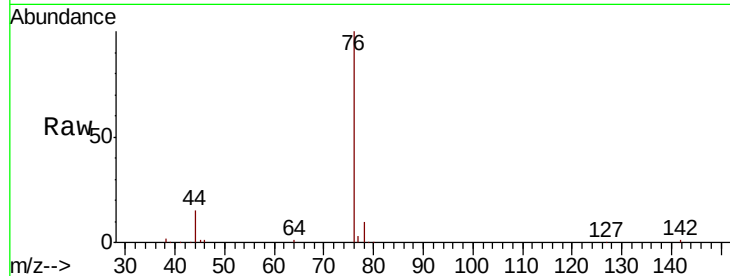
#17
Carbon Disulfide
Concen: 49.063 ug/l
RT: 4.37 min Scan# 405
Delta R.T. -0.01 min
Lab File: VW008010.D
Acq: 02 Jan 2019 15:57

Instrument :
MSVOA_W
ClientSampleId :
ICVW010219

Tot Ion	Ratio	Lower	Upper
76	100		
78	9.7	7.0	10.4

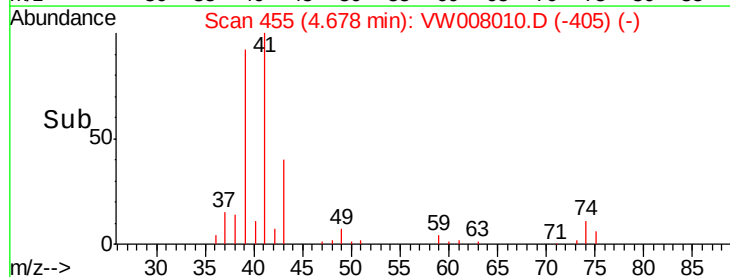
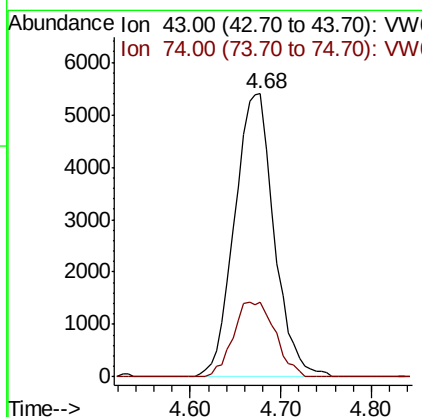
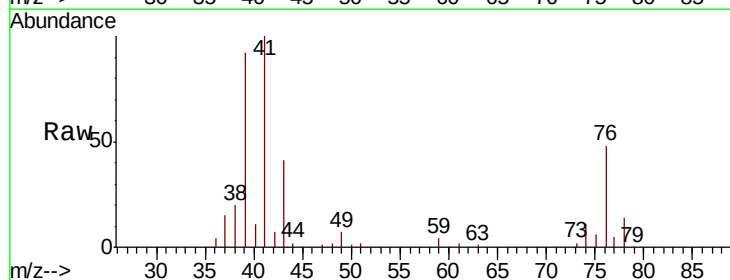
Manual Integrations
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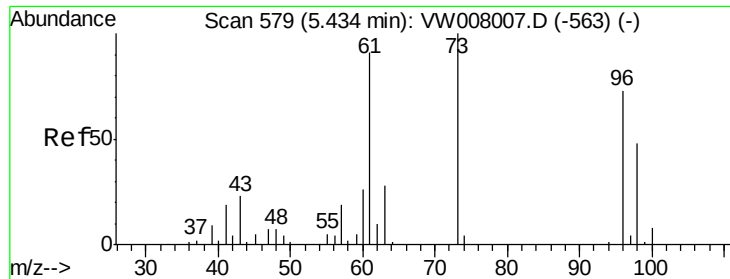
MMDadoda
1/3/2019 10:55:41 AM



#18
Methyl Acetate
Concen: 50.671 ug/l
RT: 4.68 min Scan# 455
Delta R.T. 0.01 min
Lab File: VW008010.D
Acq: 02 Jan 2019 15:57

Tgt Ion	Ratio	Lower	Upper
43	100		
74	27.9	21.4	32.2





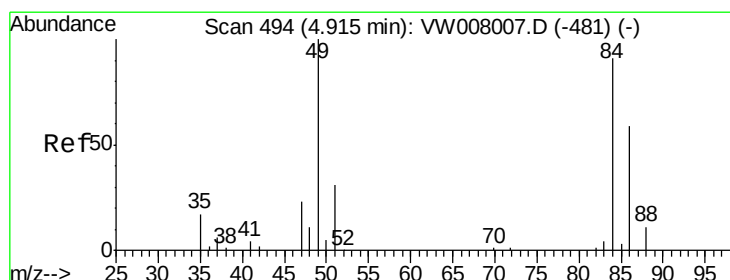
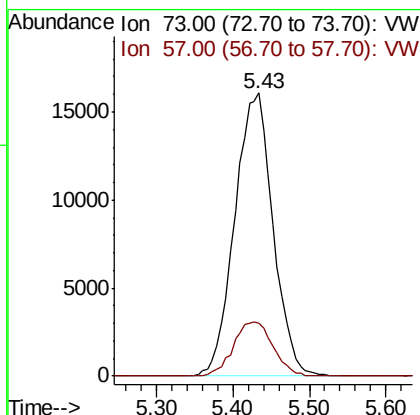
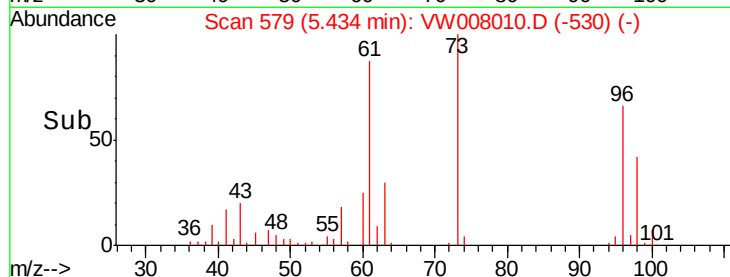
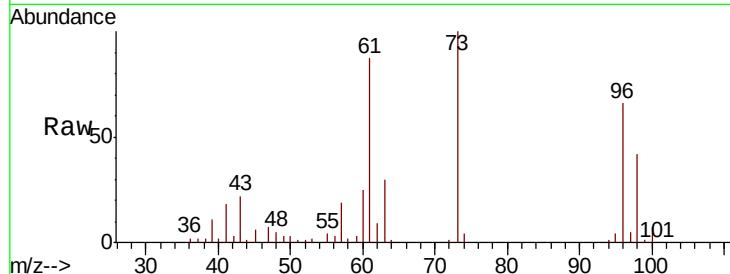
#19
Methyl tert-butyl Ether
Concen: 48.653 ug/l
RT: 5.43 min Scan# 579
Delta R.T. 0.00 min
Lab File: VW008010.D
Acq: 02 Jan 2019 15:57

Instrument :
MSVOA_W
ClientSampleId :
ICVW010219

Tot Ion: 73 Resp: 55706
Ion Ratio Lower Upper
73 100
57 18.9 15.4 23.0

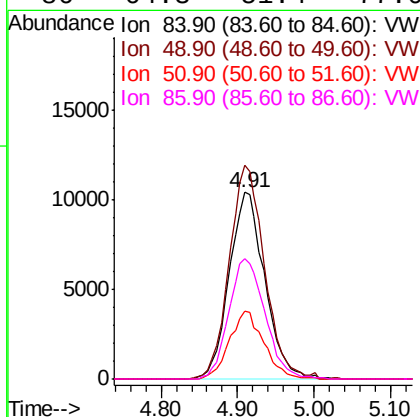
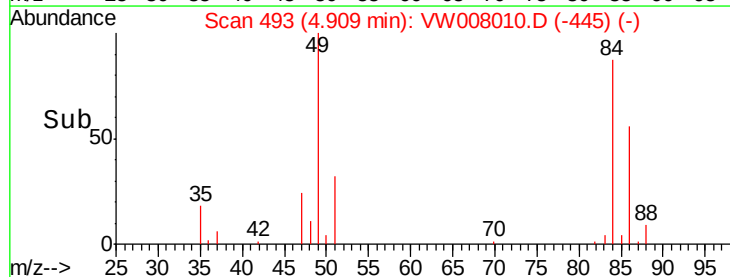
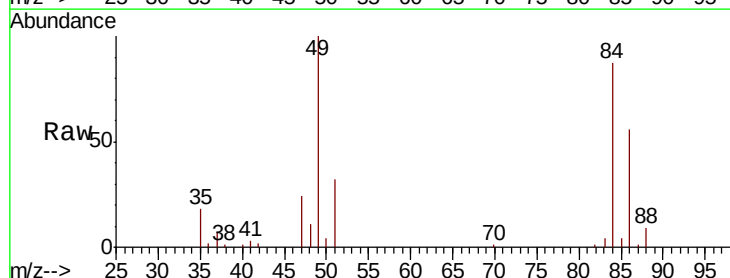
Manual Integrations
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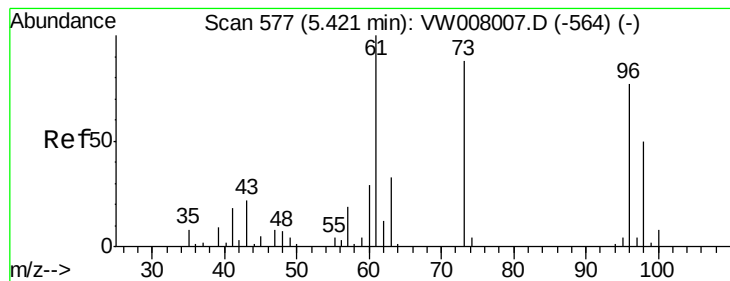
MMDadoda
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#20
Methylene Chloride
Concen: 43.610 ug/l
RT: 4.91 min Scan# 493
Delta R.T. -0.01 min
Lab File: VW008010.D
Acq: 02 Jan 2019 15:57

Tgt Ion: 84 Resp: 33601
Ion Ratio Lower Upper
84 100
49 114.7 87.7 131.5
51 36.1 27.3 40.9
86 64.3 51.4 77.0





#21

trans-1,2-Dichloroethene

Concen: 46.852 ug/l

RT: 5.42 min Scan# 577

Delta R.T. 0.00 min

Lab File: VW008010.D

Acq: 02 Jan 2019 15:57

Instrument :

MSVOA_W

ClientSampled :

ICVW010219

Tot Ion: 96 Resp: 37087

Ion Ratio Lower Upper

96 100

61 143.3 104.2 156.2

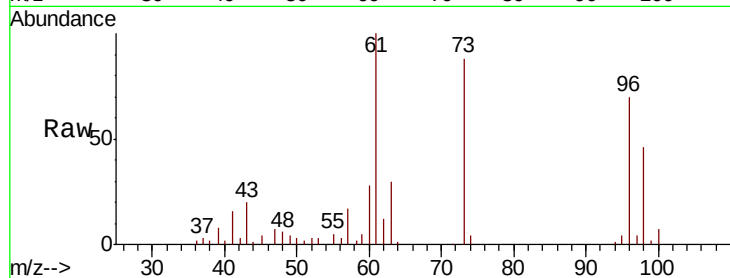
98 66.0 51.8 77.6

Manual Integrations

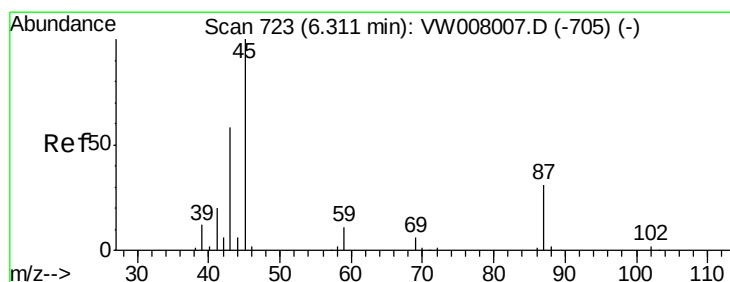
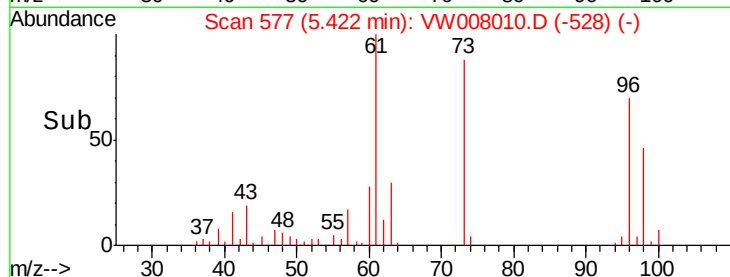
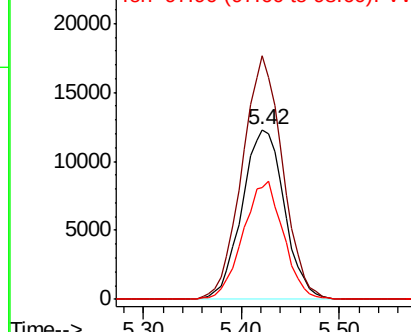
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Abundance Ion 95.90 (95.60 to 96.60): VW
Ion 60.90 (60.60 to 61.60): VW
Ion 97.90 (97.60 to 98.60): VW



#22

Diisopropyl ether

Concen: 47.996 ug/l

RT: 6.32 min Scan# 724

Delta R.T. 0.01 min

Lab File: VW008010.D

Acq: 02 Jan 2019 15:57

Tgt Ion: 45 Resp: 84913

Ion Ratio Lower Upper

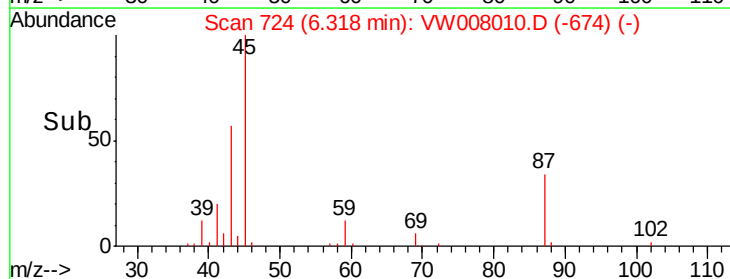
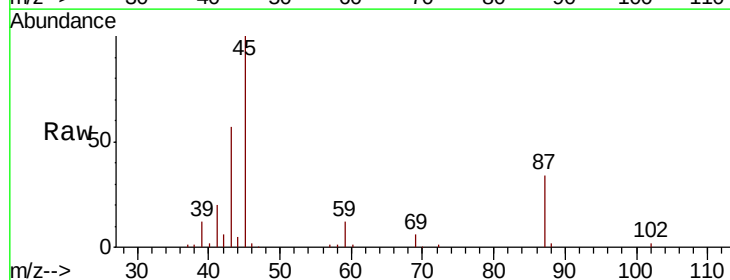
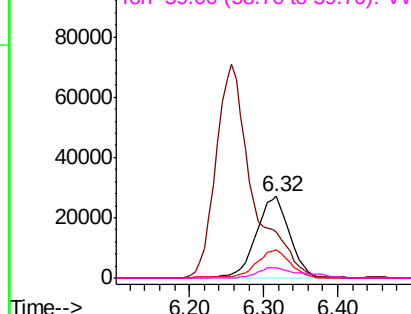
45 100

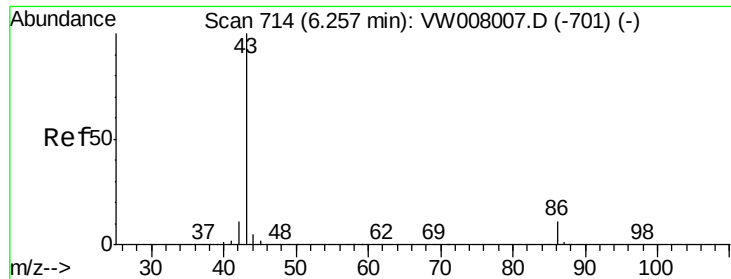
43 55.9 48.1 72.1

87 34.2 25.8 38.8

59 11.9 8.7 13.1

Abundance Ion 45.00 (44.70 to 45.70): VW
Ion 43.00 (42.70 to 43.70): VW
Ion 87.00 (86.70 to 87.70): VW
Ion 59.00 (58.70 to 59.70): VW





#23

Vinyl Acetate

Concen: 244.404 ug/l

RT: 6.26 min Scan# 714

Delta R.T. 0.00 min

Lab File: VW008010.D

Acq: 02 Jan 2019 15:57

Instrument :

MSVOA_W

ClientSampleId :

ICVW010219

Tot Ion: 43 Resp: 241922

Ion Ratio Lower Upper

43 100

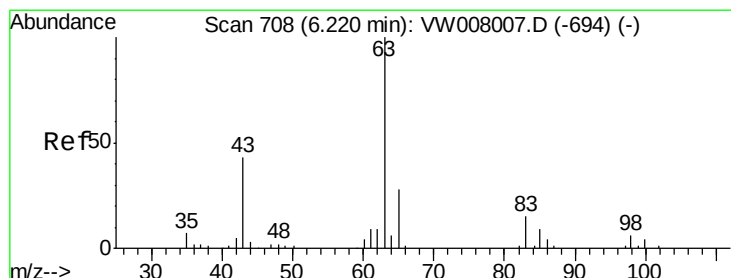
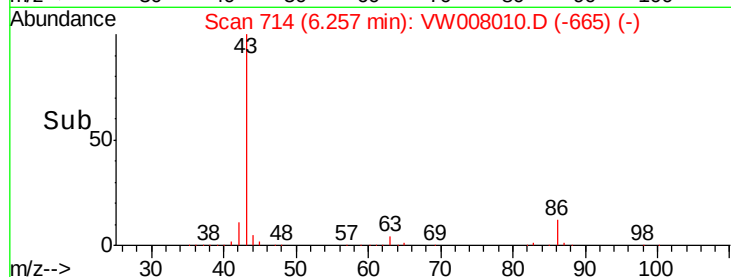
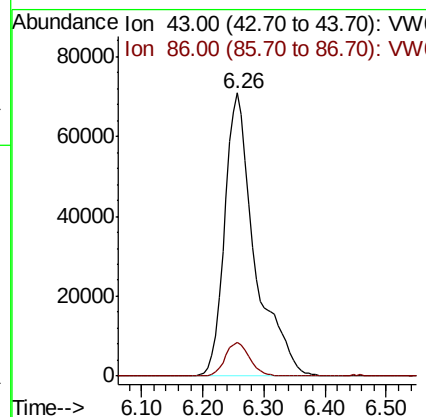
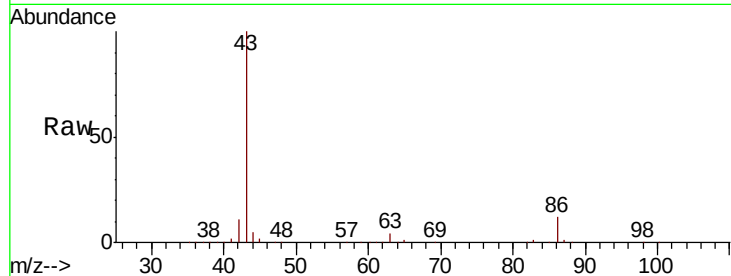
86 12.0 8.8 13.2

Manual Integrations

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#24

1,1-Dichloroethane

Concen: 47.265 ug/l

RT: 6.21 min Scan# 707

Delta R.T. -0.01 min

Lab File: VW008010.D

Acq: 02 Jan 2019 15:57

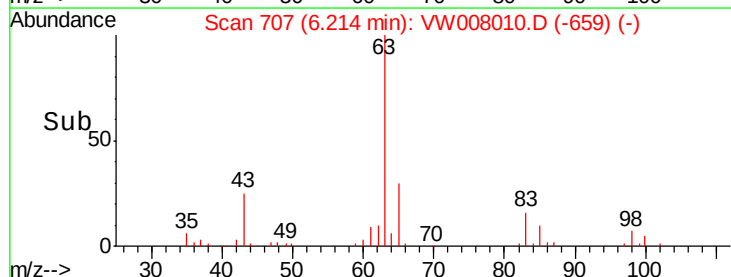
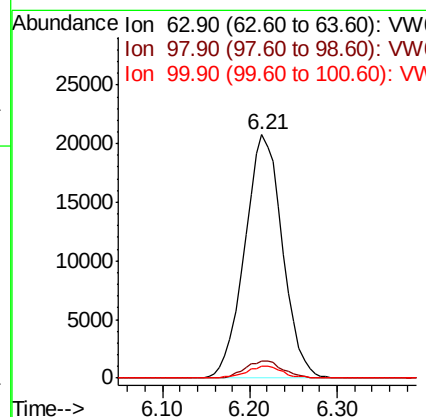
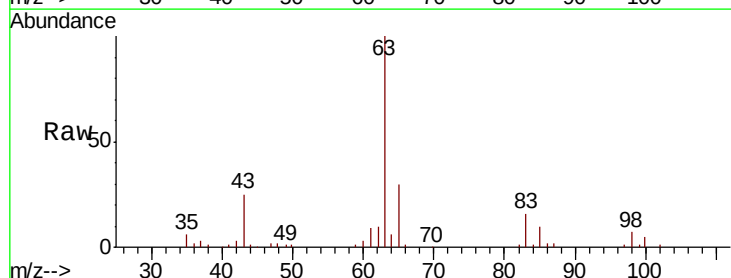
Tgt Ion: 63 Resp: 62129

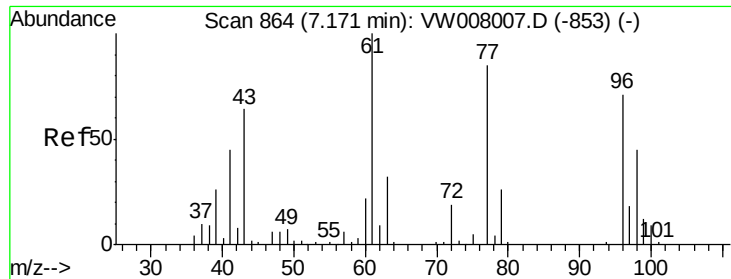
Ion Ratio Lower Upper

63 100

98 6.8 3.2 9.6

100 4.8 2.1 6.2





#25

2-Butanone

Concen: 243.920 ug/l

RT: 7.17 min Scan# 864

Delta R.T. 0.00 min

Lab File: VW008010.D

Acq: 02 Jan 2019 15:57

Instrument :

MSVOA_W

ClientSampleId :

ICVW010219

Tot Ion: 43 Resp: 35657

Ion Ratio Lower Upper

43 100

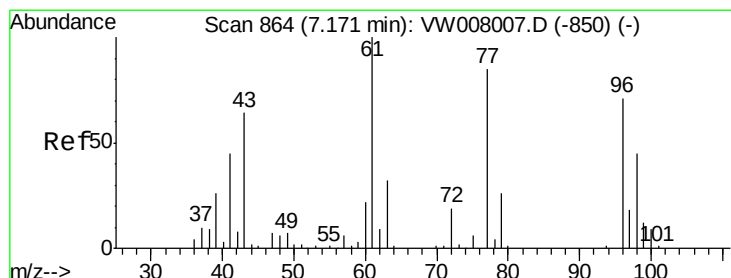
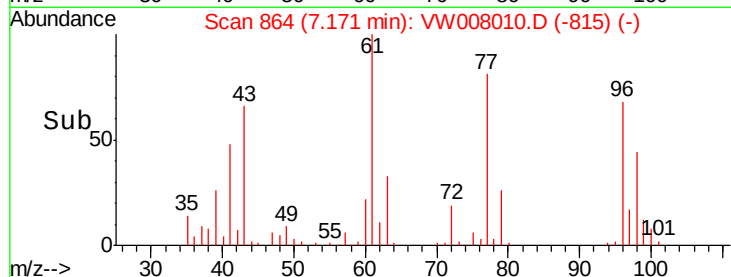
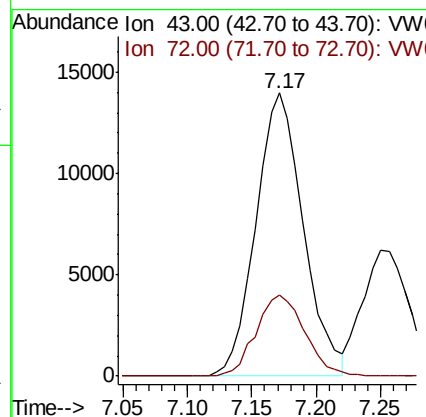
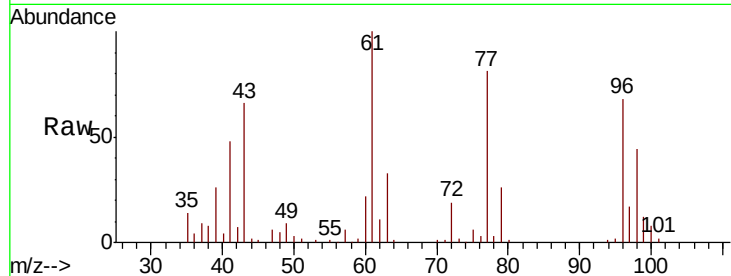
72 28.7 23.8 35.8

Manual Integrations

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MMDadoda

1/3/2019 10:55:41 AM



#26

2,2-Dichloropropane

Concen: 47.716 ug/l

RT: 7.17 min Scan# 864

Delta R.T. 0.00 min

Lab File: VW008010.D

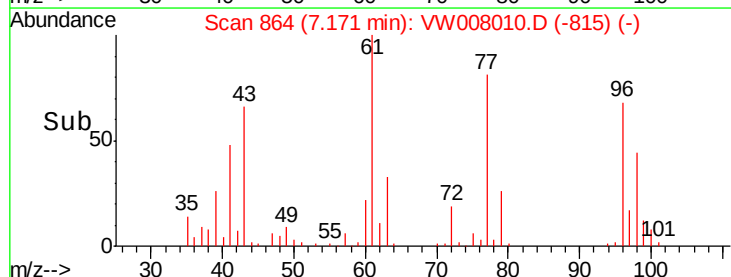
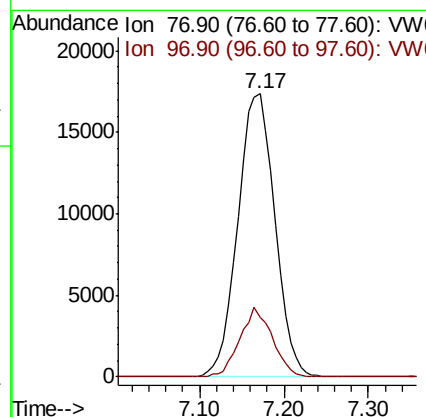
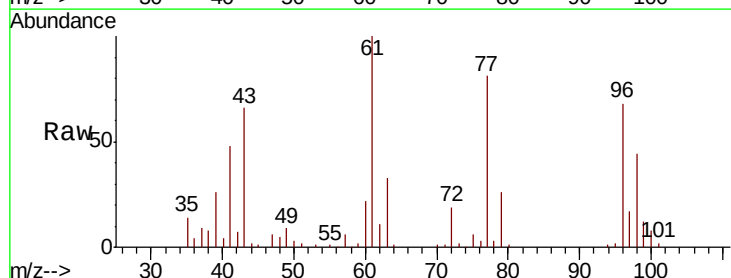
Acq: 02 Jan 2019 15:57

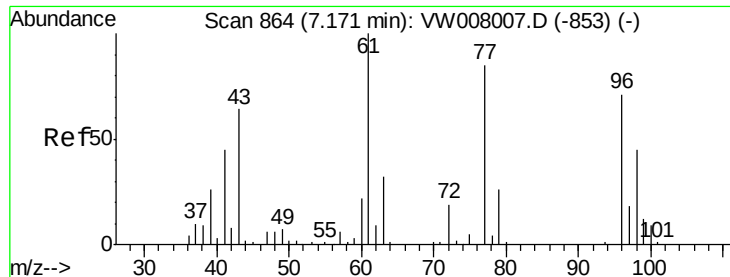
Tgt Ion: 77 Resp: 51676

Ion Ratio Lower Upper

77 100

97 21.5 11.0 33.0





#27

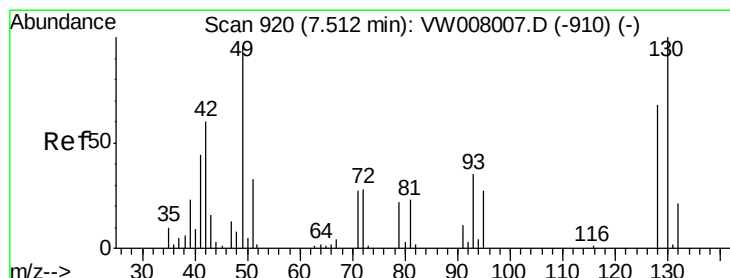
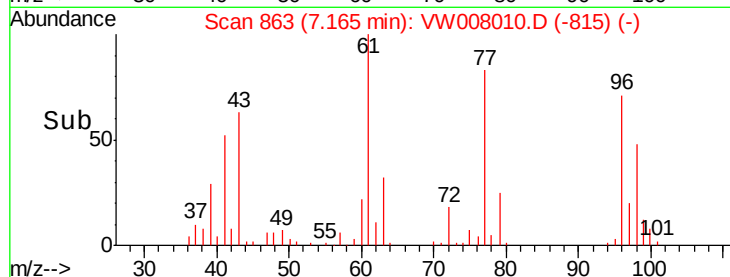
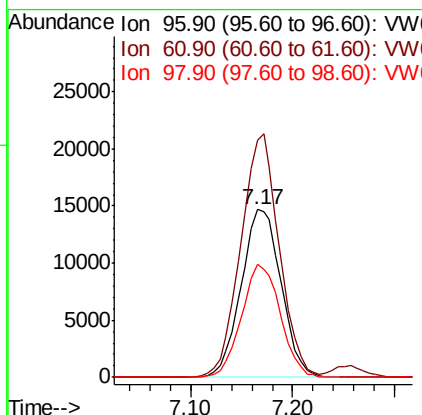
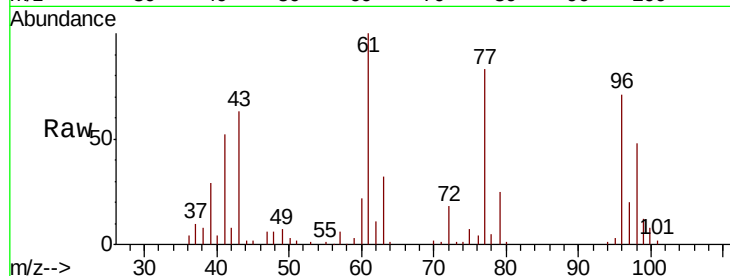
cis-1,2-Dichloroethene
Concen: 47.269 ug/l
RT: 7.17 min Scan# 863
Delta R.T. -0.01 min
Lab File: VW008010.D
Acq: 02 Jan 2019 15:57

Instrument :
MSVOA_W
ClientSampleId :
ICVW010219

Tot Ion	Ratio	Lower	Upper
96	100		
61	139.8	0.0	286.4
98	65.1	0.0	130.6

Manual Integrations
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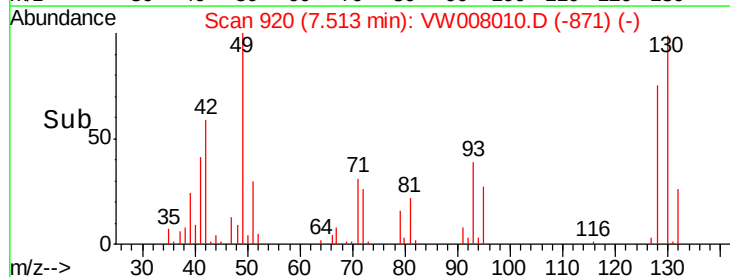
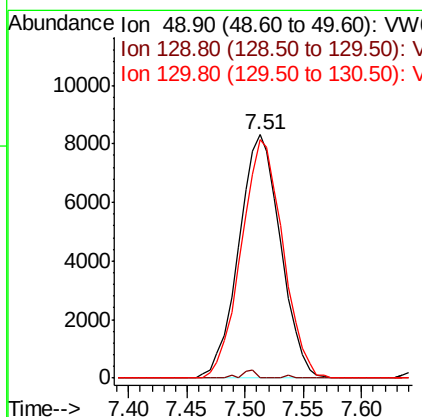
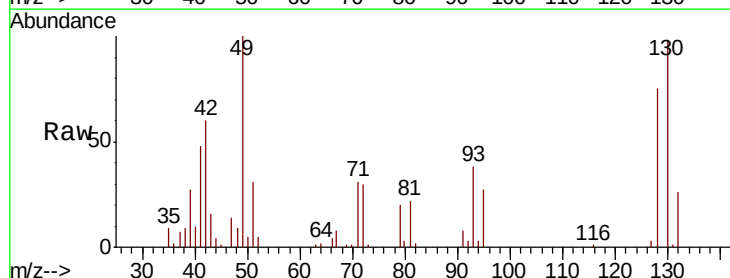
MMDadoda
1/3/2019 10:55:41 AM

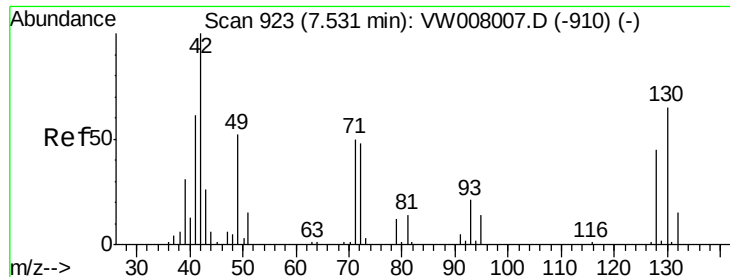


#28

Bromochloromethane
Concen: 49.007 ug/l
RT: 7.51 min Scan# 920
Delta R.T. 0.00 min
Lab File: VW008010.D
Acq: 02 Jan 2019 15:57

Tgt Ion	Ratio	Lower	Upper
49	100		
129	1.1	0.0	0.8#
130	97.4	78.5	117.7





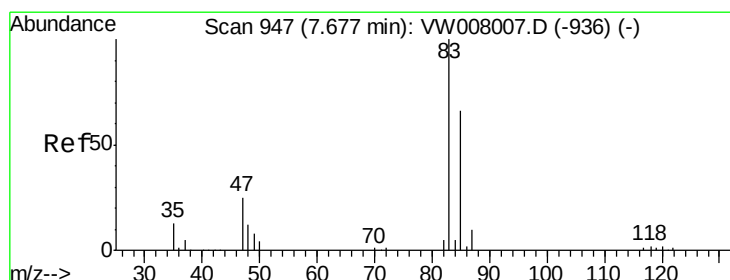
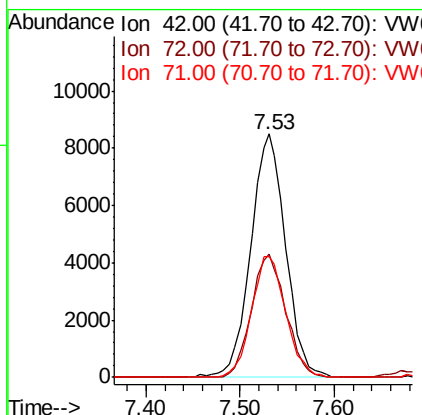
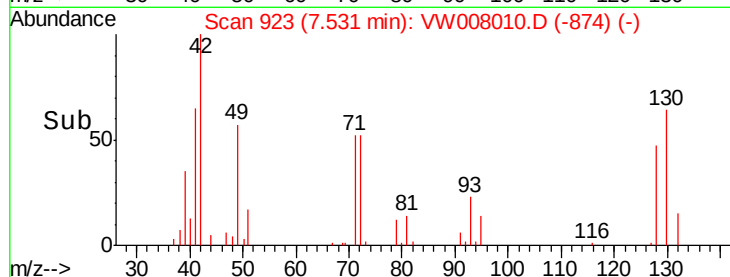
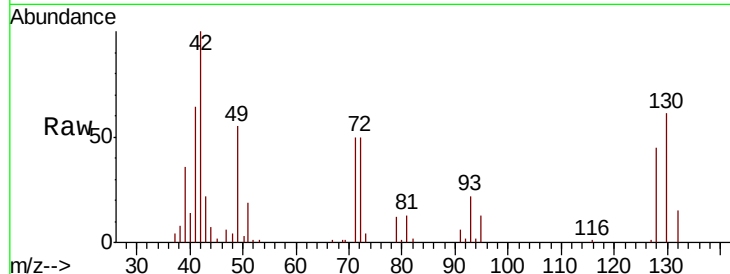
#29
Tetrahydrofuran
Concen: 242.562 ug/l
RT: 7.53 min Scan# 923
Delta R.T. 0.00 min
Lab File: VW008010.D
Acq: 02 Jan 2019 15:57

Instrument :
MSVOA_W
ClientSampled :
ICVW010219

Tot Ion	Ratio	Lower	Upper
42	100		
72	49.7	39.0	58.6
71	48.8	39.1	58.7

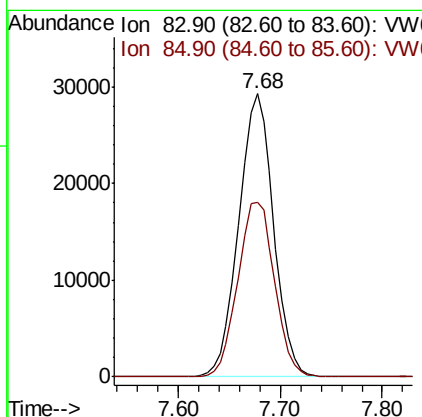
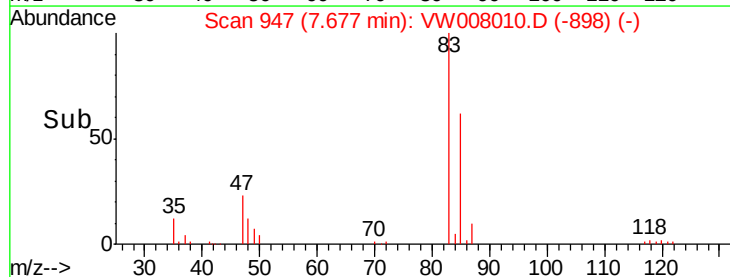
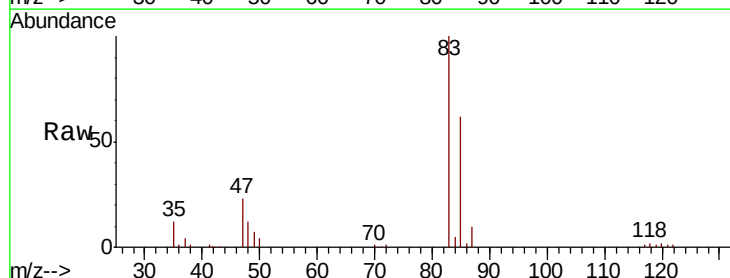
Manual Integrations
APPROVED

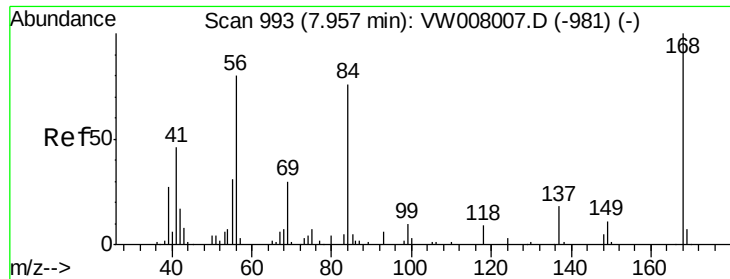
MMDadoda
1/3/2019 10:55:41 AM



#30
Chloroform
Concen: 47.024 ug/l
RT: 7.68 min Scan# 947
Delta R.T. 0.00 min
Lab File: VW008010.D
Acq: 02 Jan 2019 15:57

Tgt Ion	Ratio	Lower	Upper
83	100		
85	61.8	52.7	79.1





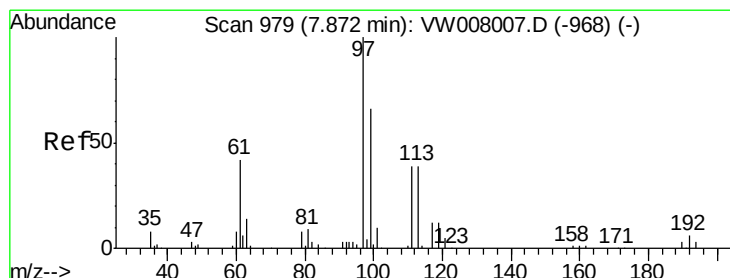
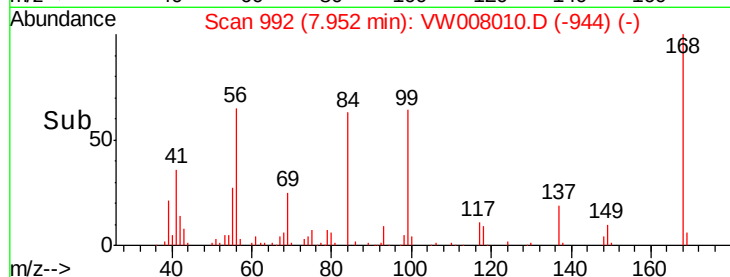
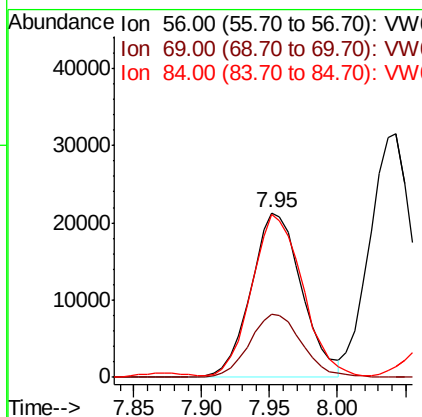
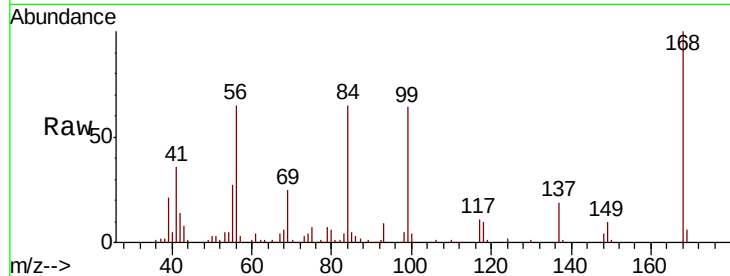
#31
Cyclohexane
Concen: 45.446 ug/l
RT: 7.95 min Scan# 992
Delta R.T. -0.01 min
Lab File: VW008010.D
Acq: 02 Jan 2019 15:57

Instrument :
MSVOA_W
ClientSampled :
ICVW010219

Tot Ion	Ratio	Lower	Upper
56	100		
69	38.7	29.8	44.6
84	97.6	75.2	112.8

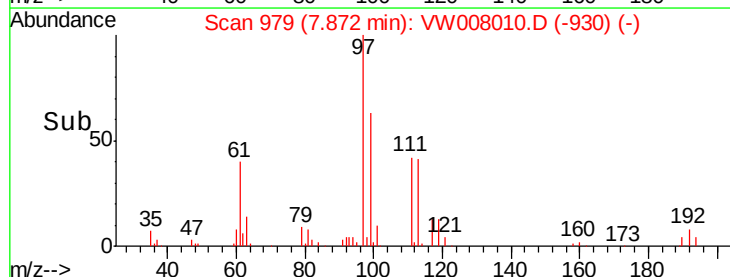
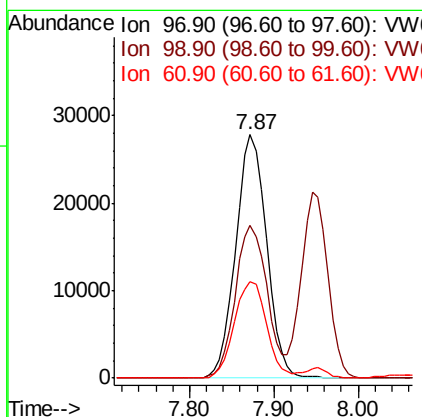
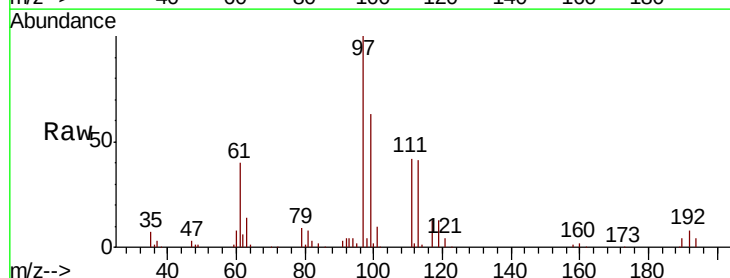
Manual Integrations
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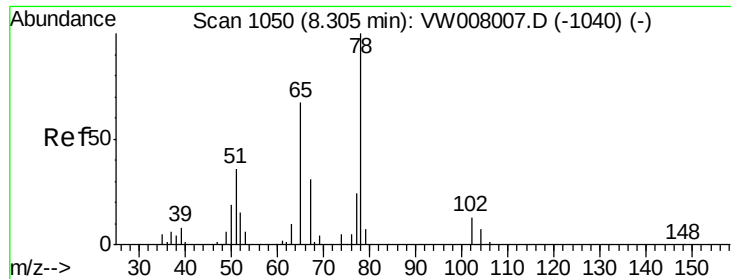
MMDadoda
1/3/2019 10:55:41 AM



#32
1,1,1-Trichloroethane
Concen: 48.881 ug/l
RT: 7.87 min Scan# 979
Delta R.T. 0.00 min
Lab File: VW008010.D
Acq: 02 Jan 2019 15:57

Tgt Ion	Ratio	Lower	Upper
97	100		
99	63.9	51.5	77.3
61	41.5	33.4	50.0





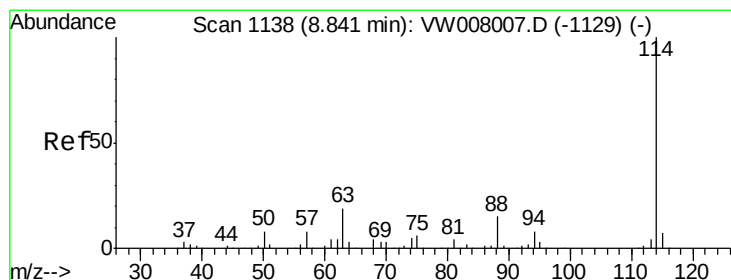
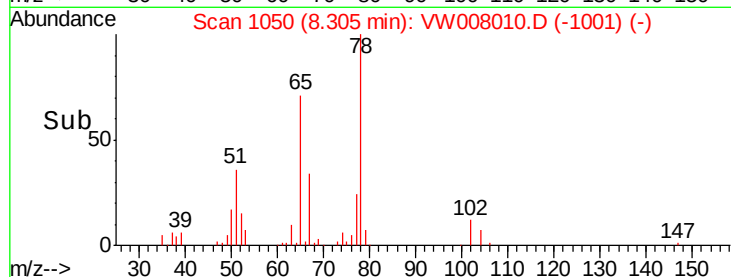
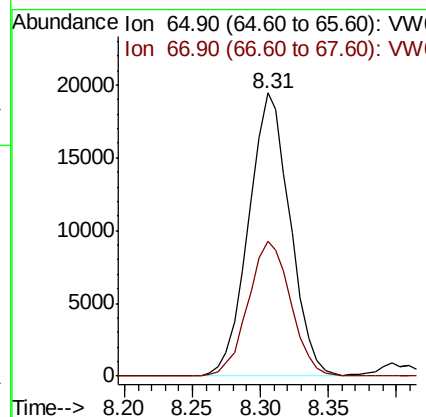
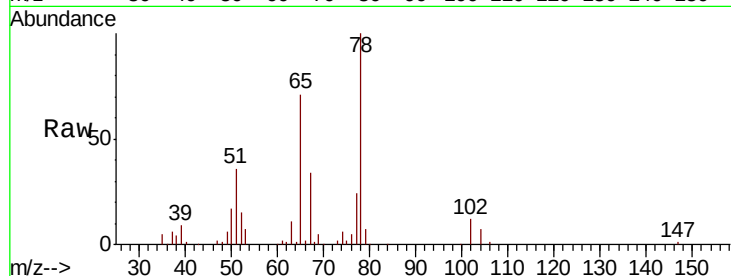
#33
 1,2-Dichloroethane-d4
 Concen: 51.662 ug/l
 RT: 8.31 min Scan# 1050
 Delta R.T. 0.00 min
 Lab File: VW008010.D
 Acq: 02 Jan 2019 15:57

Instrument :
 MSVOA_W
 ClientSampleId :
 ICVVW010219

Tot Ion	Ratio	Lower	Upper
65	100		
67	49.0	0.0	94.8

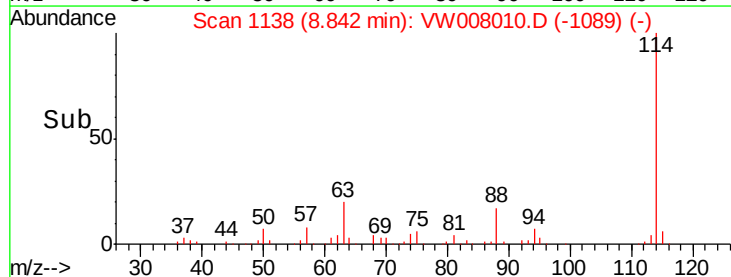
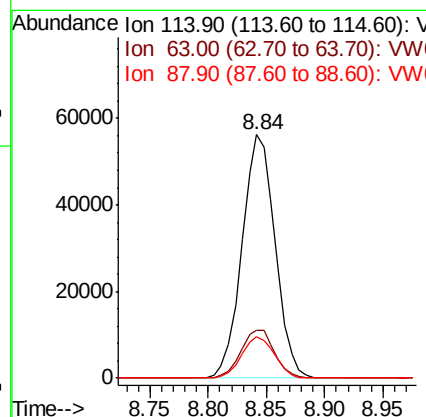
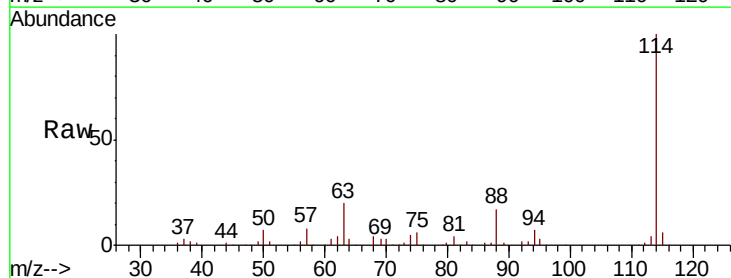
Manual Integrations
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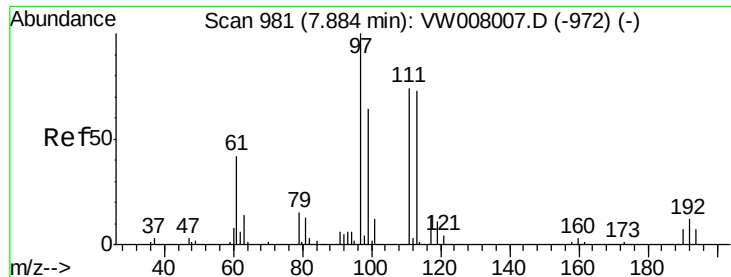
MMDadoda
 1/3/2019 10:55:41 AM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1138
 Delta R.T. 0.00 min
 Lab File: VW008010.D
 Acq: 02 Jan 2019 15:57

Tgt Ion	Ratio	Lower	Upper
114	100		
63	19.9	0.0	37.8
88	17.1	0.0	31.0





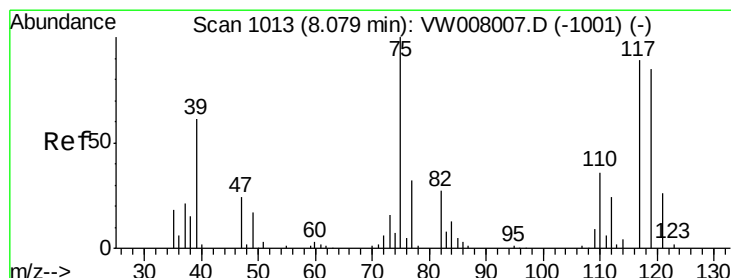
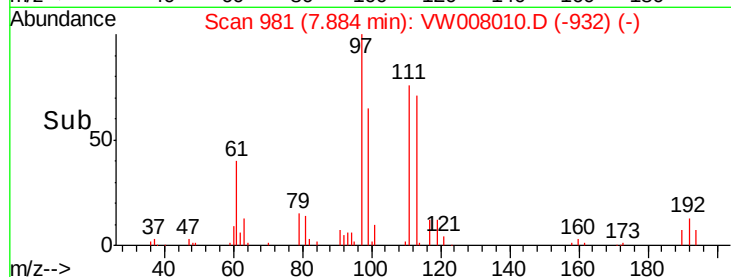
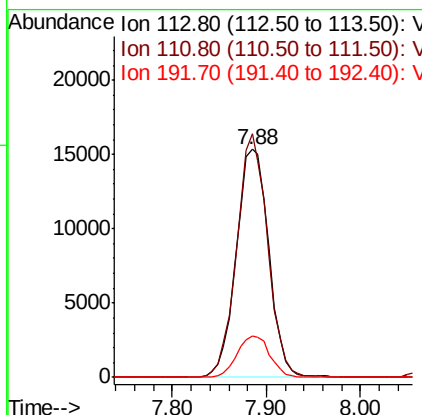
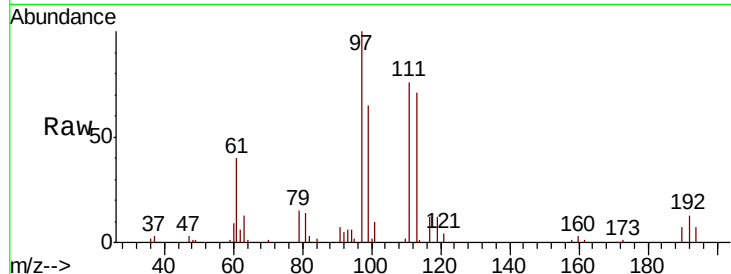
#35
 Dibromofluoromethane
 Concen: 52.897 ug/l
 RT: 7.88 min Scan# 981
 Delta R.T. 0.00 min
 Lab File: VW008010.D
 Acq: 02 Jan 2019 15:57

Instrument :
 MSVOA_W
 ClientSampleId :
 ICVVW010219

Tot Ion	Ratio	Resp	Lower	Upper
113	100	37126		
111	100.9	81.4	122.0	
192	18.1	14.8	22.2	

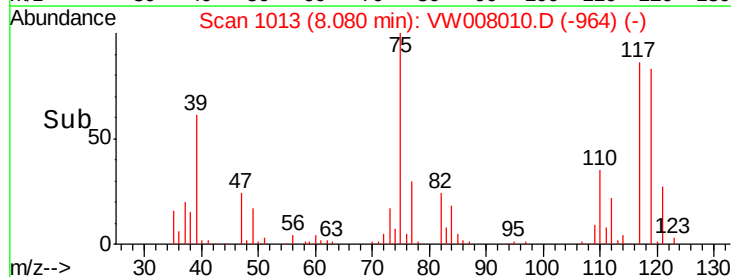
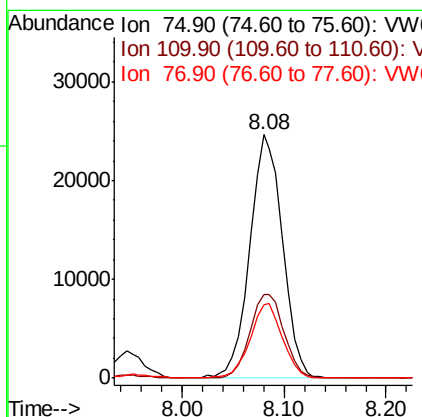
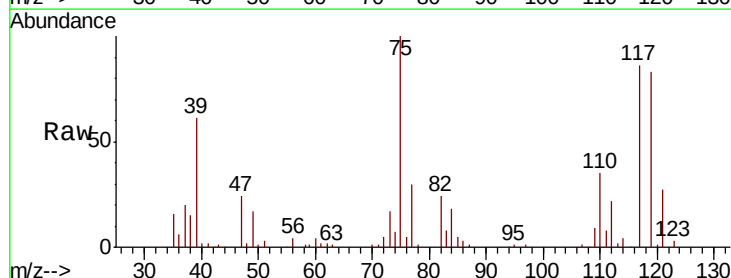
Manual Integrations
 APPROVED

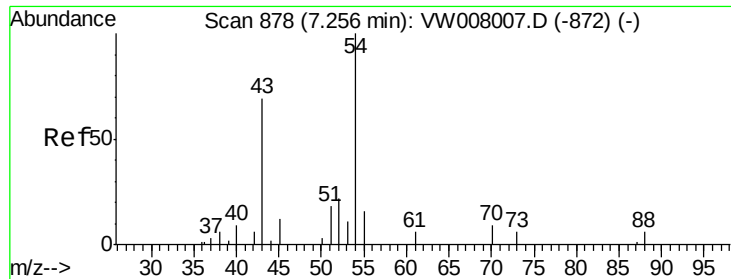
MMDadoda
 1/3/2019 10:55:41 AM



#36
 1,1-Dichloropropene
 Concen: 50.154 ug/l
 RT: 8.08 min Scan# 1013
 Delta R.T. 0.00 min
 Lab File: VW008010.D
 Acq: 02 Jan 2019 15:57

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	55082		
110	35.8	18.1	54.3	
77	30.2	25.3	37.9	





#37

Ethyl Acetate

Concen: 48.377 ug/l

RT: 7.25 min Scan# 877

Delta R.T. -0.01 min

Lab File: VW008010.D

Acq: 02 Jan 2019 15:57

Instrument :

MSVOA_W

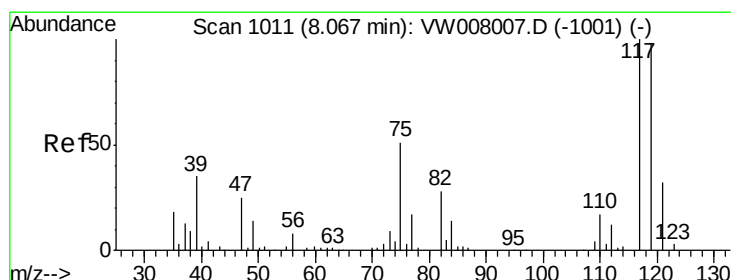
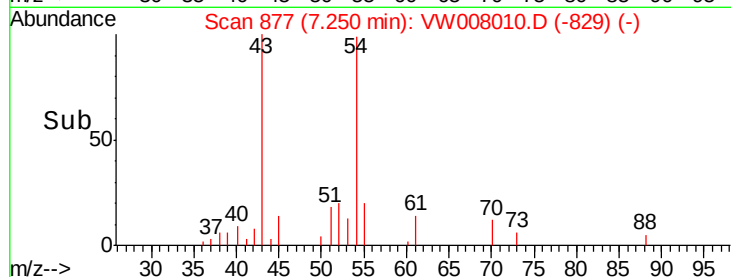
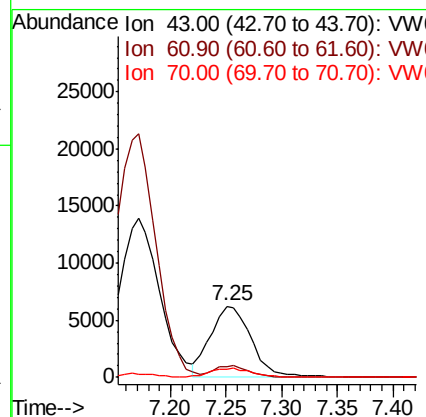
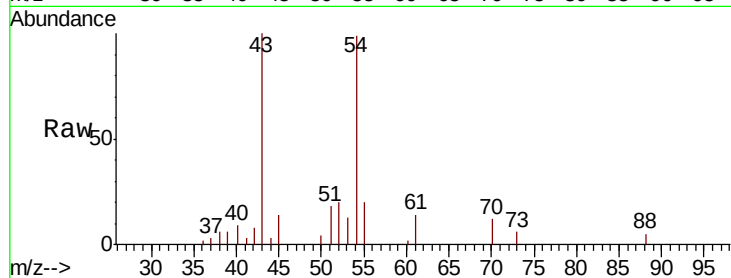
ClientSampled :

ICVW010219

Tot Ion:	43	Resp:	15959
Ion	Ratio	Lower	Upper
43	100		
61	13.8	11.4	17.2
70	12.5	9.4	14.0

Manual Integrations
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1/3/2019 10:55:41 AM



#38

Carbon Tetrachloride

Concen: 50.535 ug/l

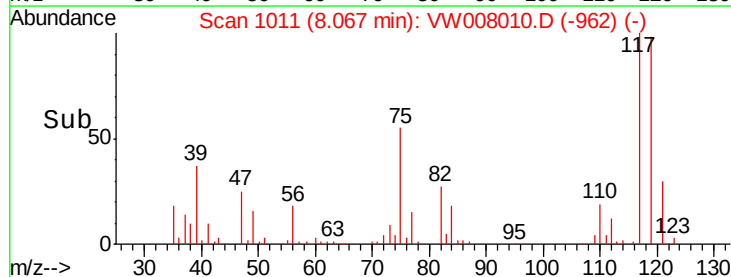
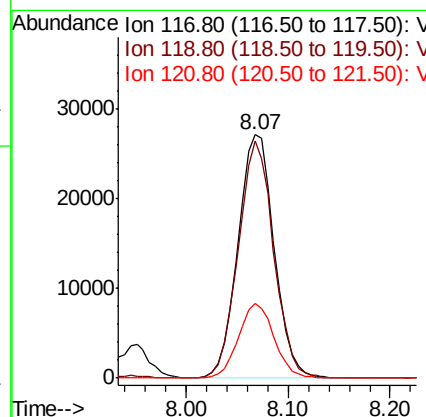
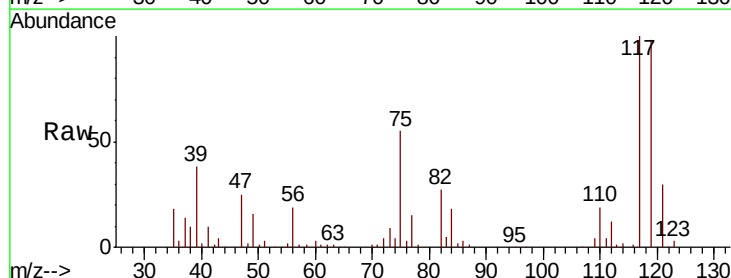
RT: 8.07 min Scan# 1011

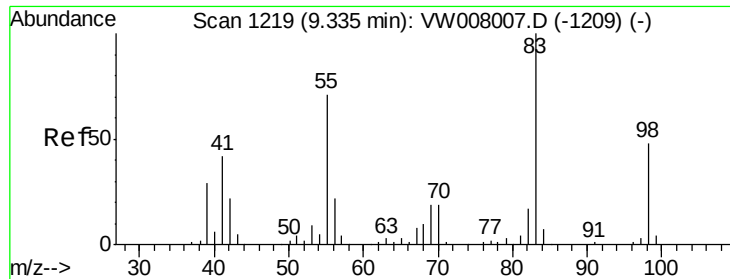
Delta R.T. 0.00 min

Lab File: VW008010.D

Acq: 02 Jan 2019 15:57

Tgt Ion:	117	Resp:	66514
Ion	Ratio	Lower	Upper
117	100		
119	97.6	78.7	118.1
121	30.4	25.8	38.8





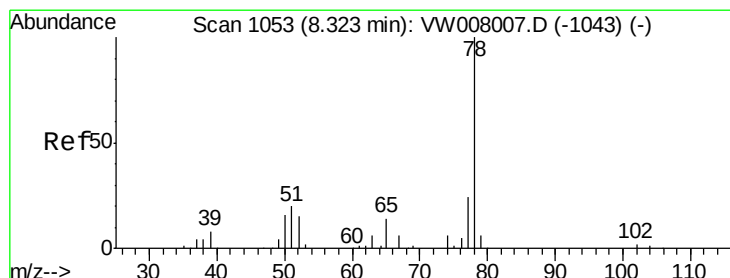
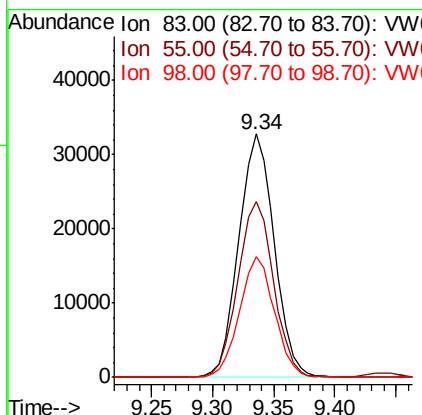
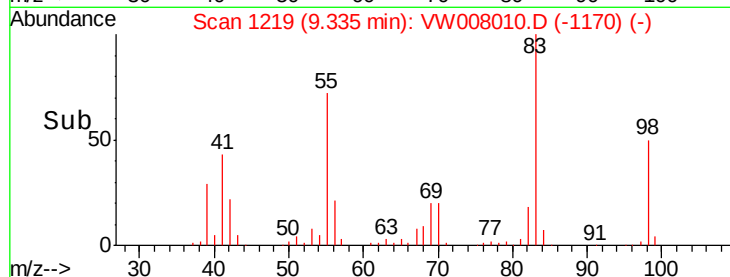
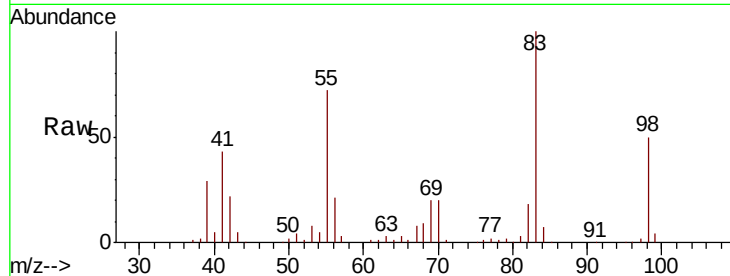
#39
Methylvlcyclohexane
Concen: 48.253 ug/l
RT: 9.34 min Scan# 1219
Delta R.T. 0.00 min
Lab File: VW008010.D
Acq: 02 Jan 2019 15:57

Instrument :
MSVOA_W
ClientSampleId :
ICVW010219

Tot Ion	Ratio	Lower	Upper
83	100		
55	72.0	56.8	85.2
98	49.5	38.6	58.0

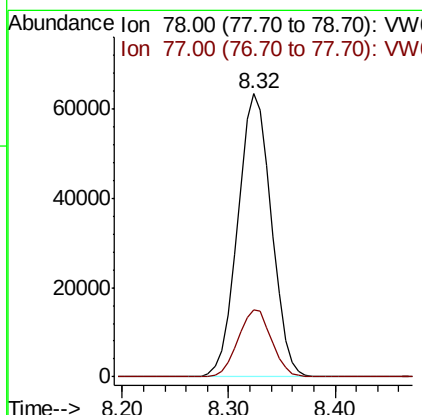
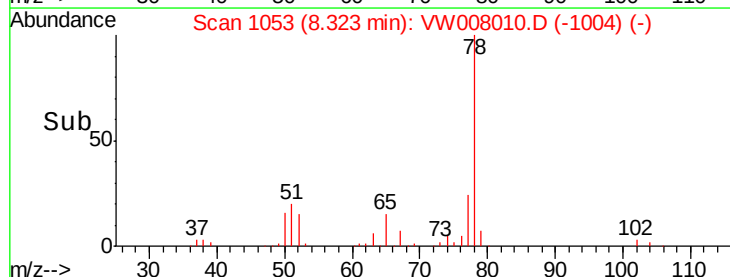
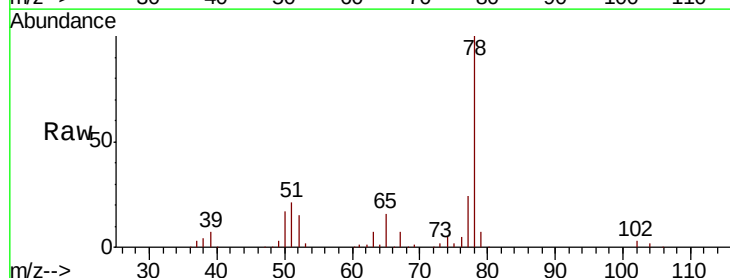
Manual Integrations
APPROVED

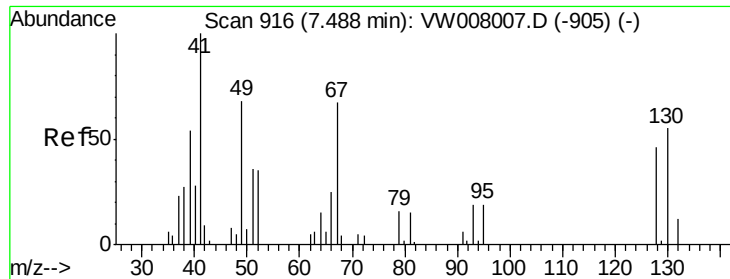
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#40
Benzene
Concen: 48.534 ug/l
RT: 8.32 min Scan# 1053
Delta R.T. 0.00 min
Lab File: VW008010.D
Acq: 02 Jan 2019 15:57

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.6	19.0	28.6





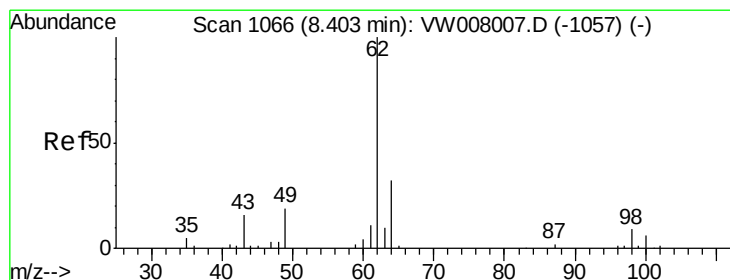
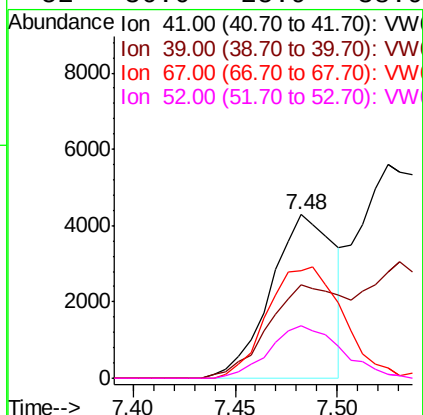
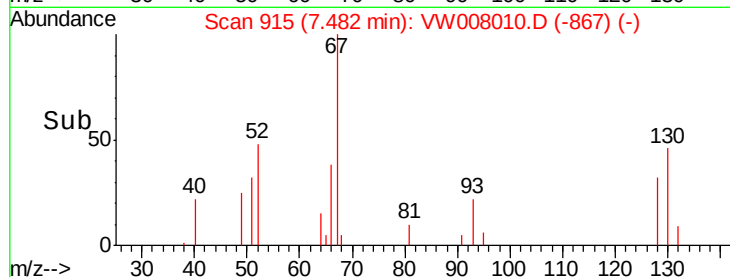
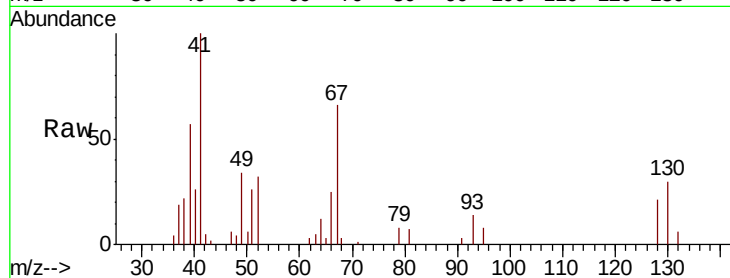
#41
Methacrylonitrile
Concen: 48.185 ug/l
RT: 7.48 min Scan# 915
Delta R.T. -0.01 min
Lab File: VW008010.D
Acq: 02 Jan 2019 15:57

Instrument :
MSVOA_W
ClientSampled :
ICVW010219

Tot Ion:	41	Resp:	9346
Ion	Ratio	Lower	Upper
41	100		
39	68.9	48.6	72.8
67	80.4	55.6	83.4
52	36.0	25.9	38.9

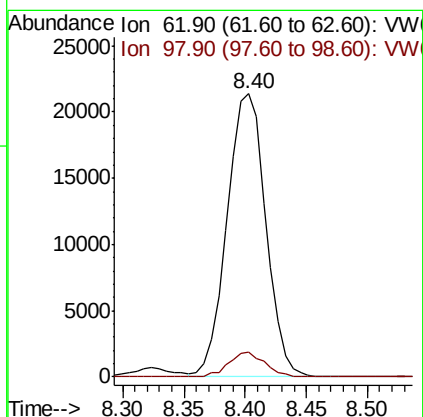
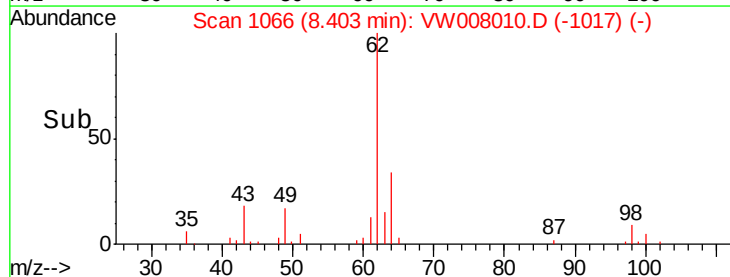
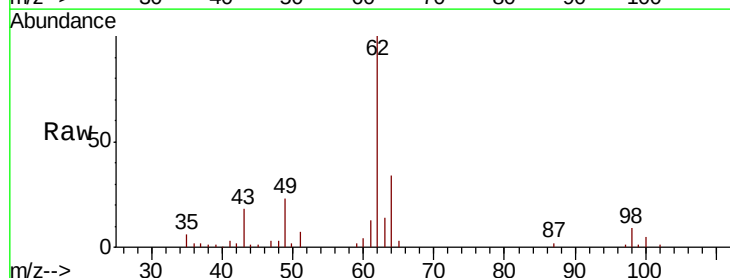
Manual Integrations
APPROVED

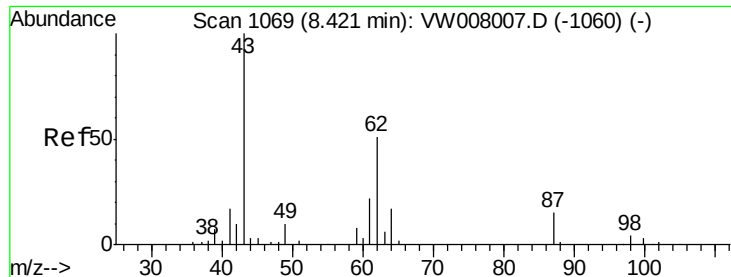
MMDadoda
1/3/2019 10:55:41 AM



#42
1,2-Dichloroethane
Concen: 48.572 ug/l
RT: 8.40 min Scan# 1066
Delta R.T. 0.00 min
Lab File: VW008010.D
Acq: 02 Jan 2019 15:57

Tgt Ion:	62	Resp:	46888
Ion	Ratio	Lower	Upper
62	100		
98	8.2	0.0	15.6





#43

Isopropyl Acetate

Concen: 50.371 ug/l

RT: 8.43 min Scan# 1070

Delta R.T. 0.01 min

Lab File: VW008010.D

Acq: 02 Jan 2019 15:57

Instrument :

MSVOA_W

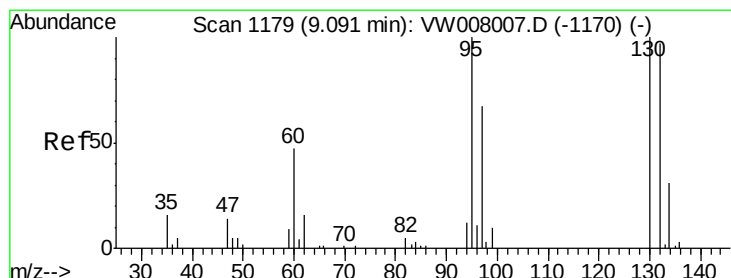
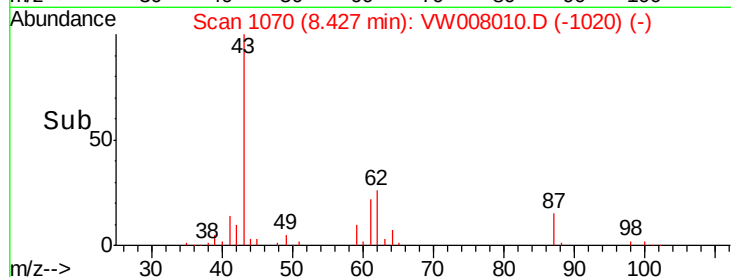
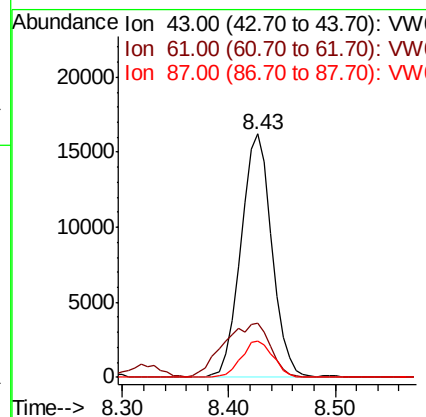
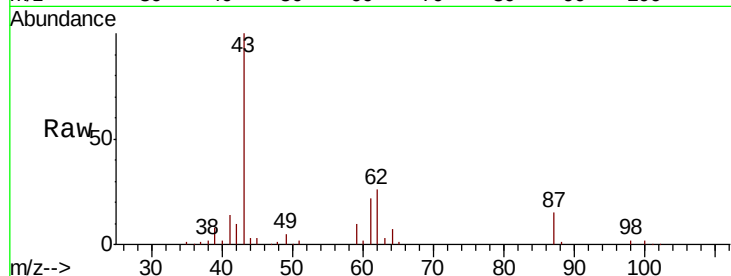
ClientSampleId :

ICVW010219

Tot Ion:	43	Resp:	33202
Ion	Ratio	Lower	Upper
43	100		
61	33.2	26.4	39.6
87	15.2	12.0	18.0

Manual Integrations
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MMDadoda
1/3/2019 10:55:41 AM



#44

Trichloroethene

Concen: 48.642 ug/l

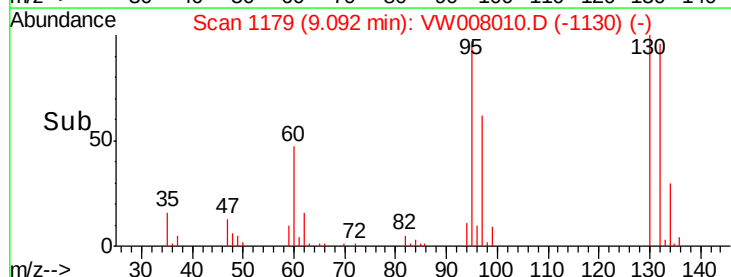
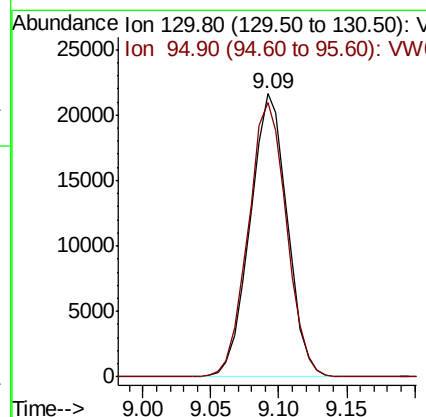
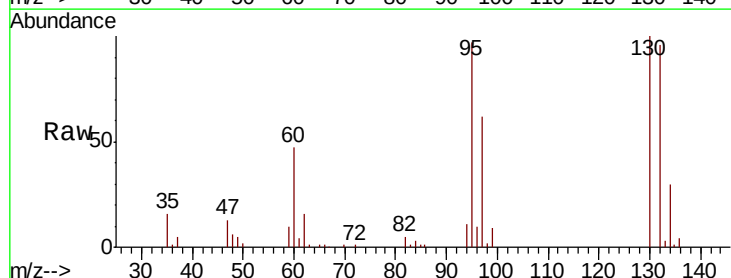
RT: 9.09 min Scan# 1179

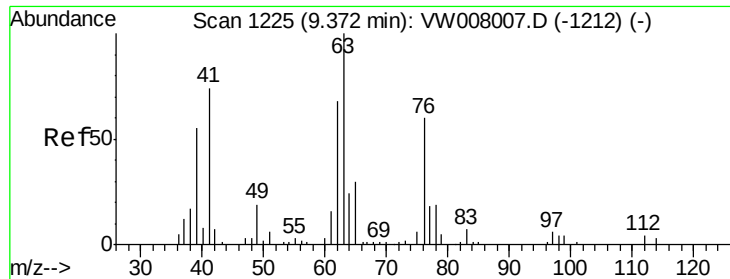
Delta R.T. 0.00 min

Lab File: VW008010.D

Acq: 02 Jan 2019 15:57

Tgt Ion:	130	Resp:	41588
Ion	Ratio	Lower	Upper
130	100		
95	97.0	0.0	200.0





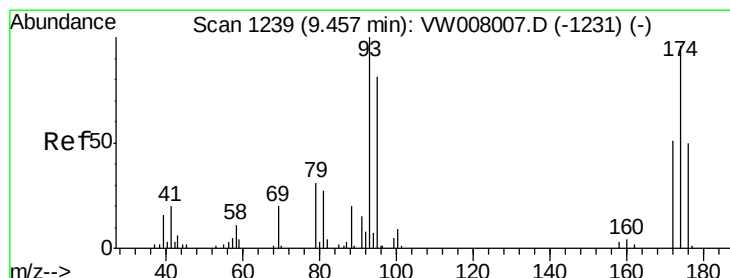
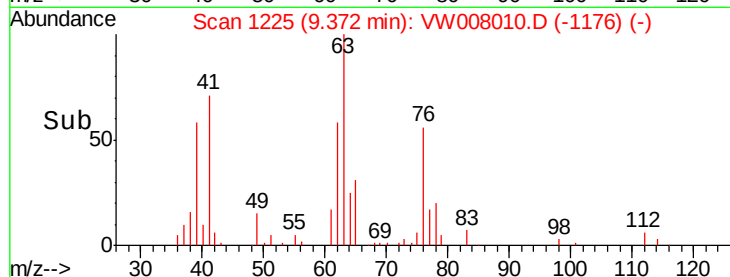
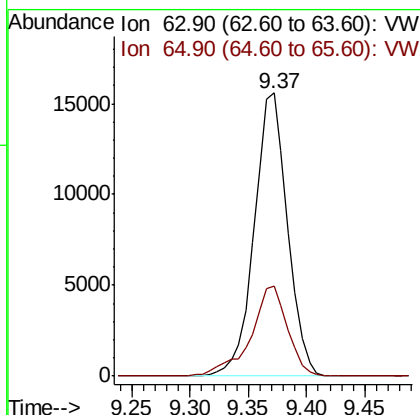
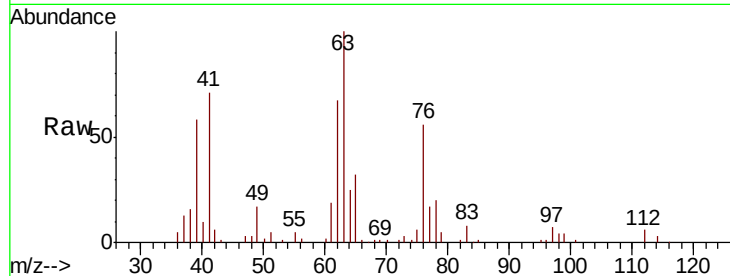
#45
 1,2-Dichloropropane
 Concen: 49.446 ug/l
 RT: 9.37 min Scan# 1225
 Delta R.T. 0.00 min
 Lab File: VW008010.D
 Acq: 02 Jan 2019 15:57

Instrument :
 MSVOA_W
 ClientSampled :
 ICVVW010219

Tot Ion: 63 Resp: 31009
 Ion Ratio Lower Upper
 63 100
 65 31.9 24.2 36.4

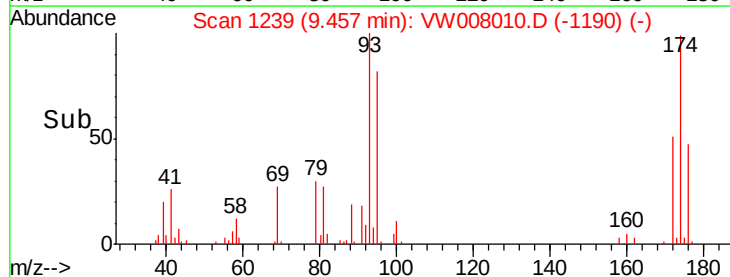
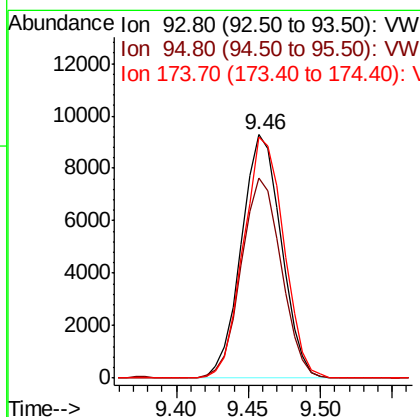
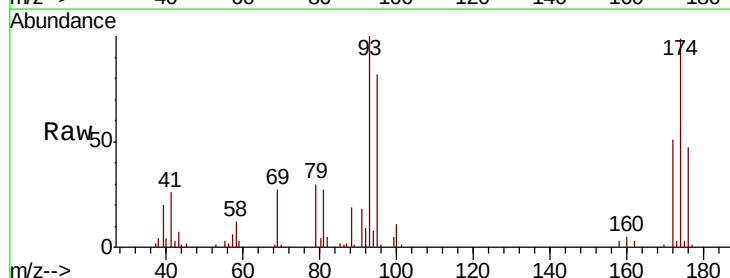
Manual Integrations
 APPROVED

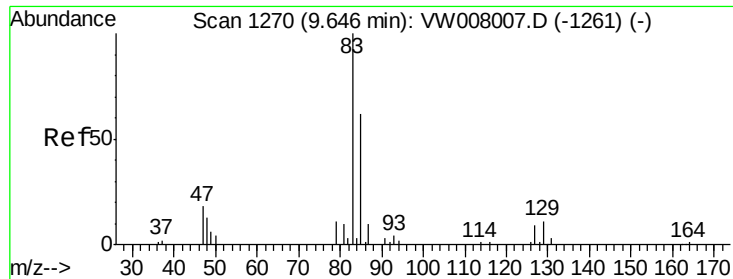
MMDadoda
 1/3/2019 10:55:41 AM



#46
 Dibromomethane
 Concen: 48.757 ug/l
 RT: 9.46 min Scan# 1239
 Delta R.T. 0.00 min
 Lab File: VW008010.D
 Acq: 02 Jan 2019 15:57

Tgt Ion: 93 Resp: 17877
 Ion Ratio Lower Upper
 93 100
 95 82.0 63.9 95.9
 174 99.7 79.0 118.6





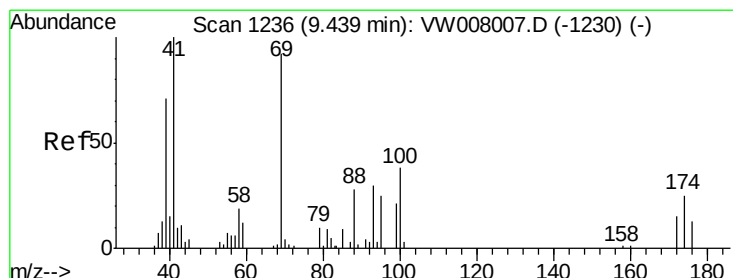
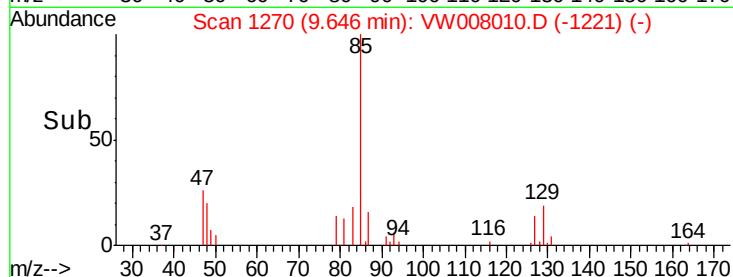
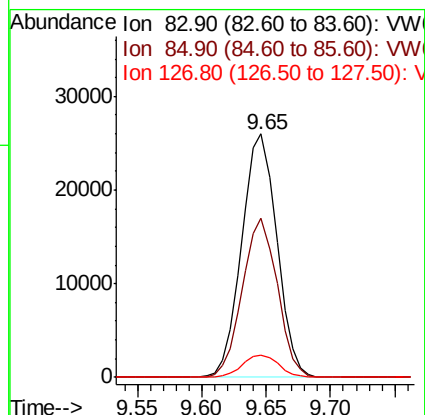
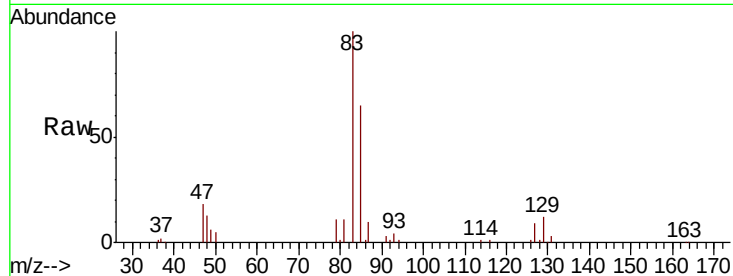
#47
Bromodichloromethane
Concen: 47.835 ug/l
RT: 9.65 min Scan# 1270
Delta R.T. 0.00 min
Lab File: VW008010.D
Acq: 02 Jan 2019 15:57

Instrument :
MSVOA_W
ClientSampleId :
ICVW010219

Tot Ion	83	Resp	49125
Ion Ratio	100	Lower	Upper
83	100		
85	65.2	49.5	74.3
127	9.2	7.5	11.3

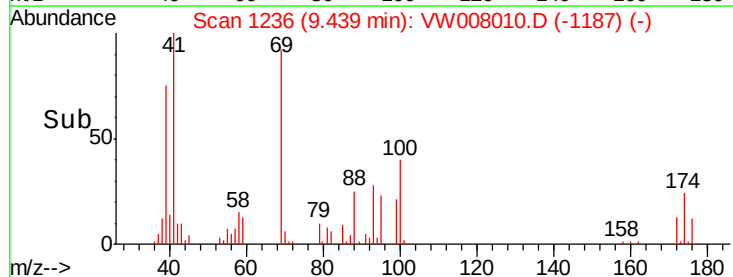
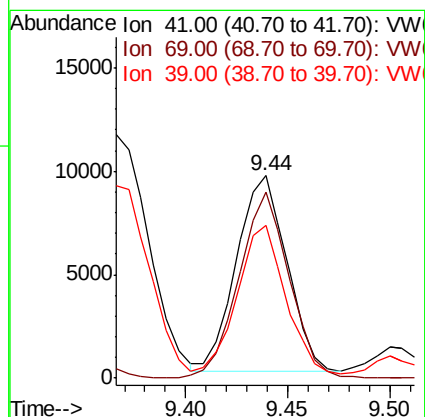
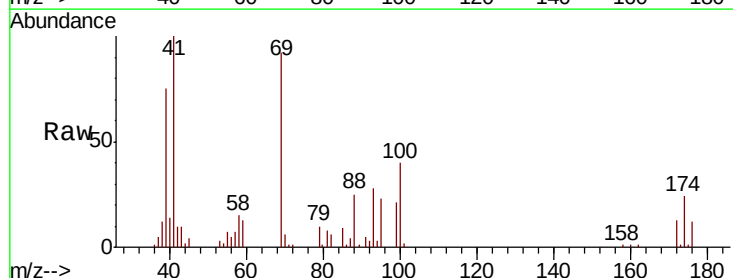
Manual Integrations
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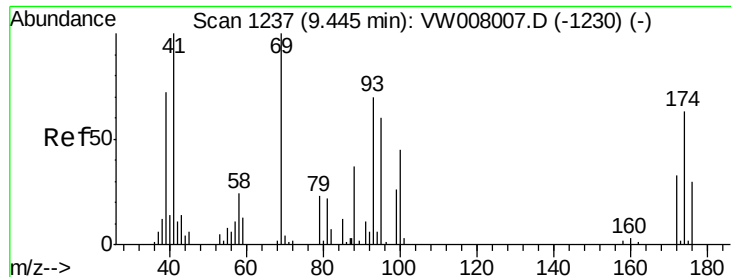
MMDadoda
1/3/2019 10:55:41 AM



#48
Methyl methacrylate
Concen: 49.138 ug/l
RT: 9.44 min Scan# 1236
Delta R.T. 0.00 min
Lab File: VW008010.D
Acq: 02 Jan 2019 15:57

Tgt Ion	41	Resp	16331
Ion Ratio	100	Lower	Upper
41	100		
69	94.2	72.3	108.5
39	72.2	58.7	88.1





#49

1,4-Dioxane

Concen: 971.620 ug/l

RT: 9.45 min Scan# 1237

Delta R.T. 0.00 min

Lab File: VW008010.D

Acq: 02 Jan 2019 15:57

Instrument :

MSVOA_W

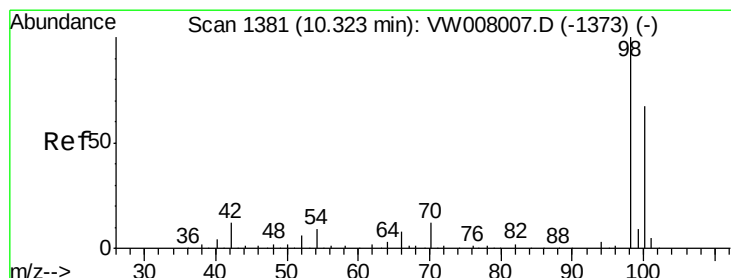
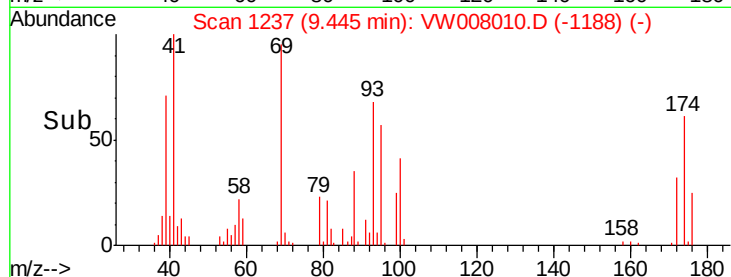
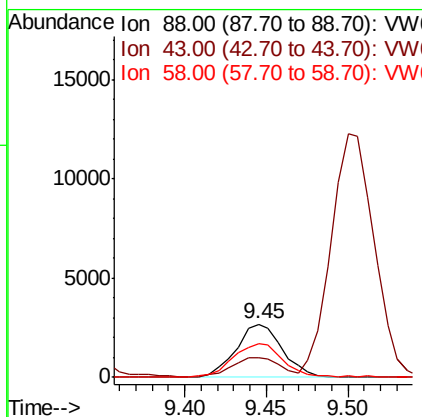
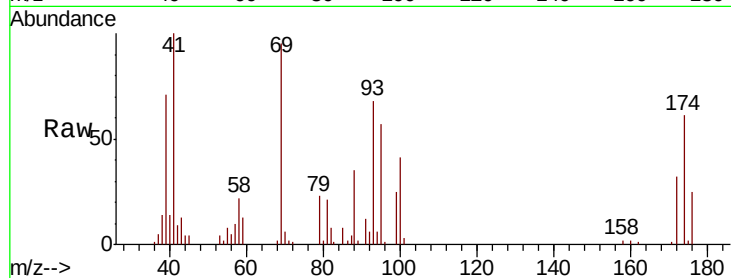
ClientSampleId :

ICVW010219

Tot Ion:	88	Resp:	5272
Ion	Ratio	Lower	Upper
88	100		
43	39.1	26.8	40.2
58	67.5	55.8	83.6

Manual Integrations
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1/3/2019 10:55:41 AM



#50

Toluene-d8

Concen: 53.137 ug/l

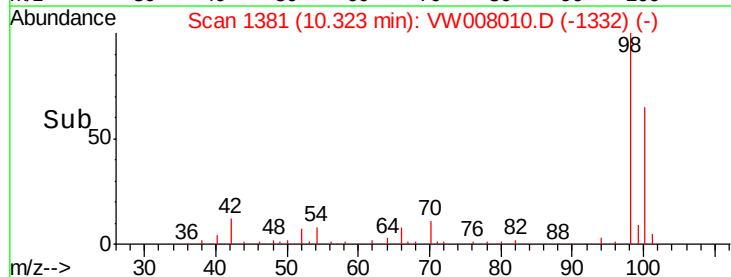
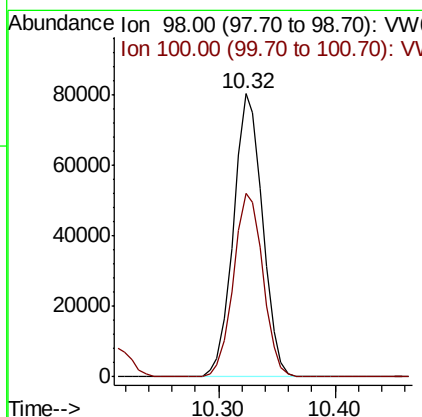
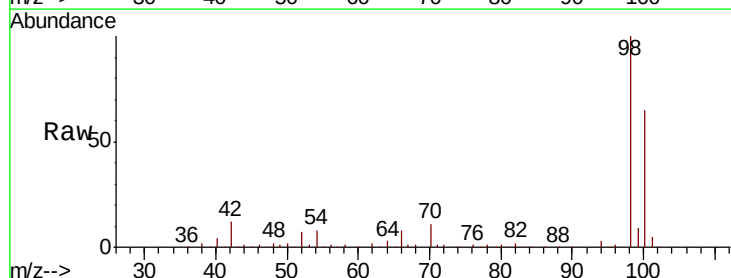
RT: 10.32 min Scan# 1381

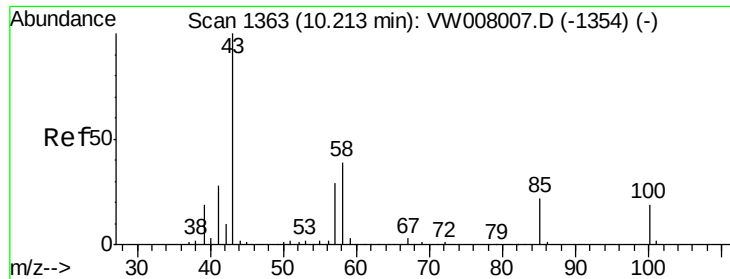
Delta R.T. 0.00 min

Lab File: VW008010.D

Acq: 02 Jan 2019 15:57

Tgt Ion:	98	Resp:	139899
Ion	Ratio	Lower	Upper
98	100		
100	65.7	52.9	79.3





#51

4-Methyl-2-Pentanone

Concen: 241.170 ug/l

RT: 10.21 min Scan# 1363

Delta R.T. 0.00 min

Lab File: VW008010.D

Acq: 02 Jan 2019 15:57

Instrument :

MSVOA_W

ClientSampled :

ICVW010219

Tot Ion: 43 Resp: 73584

Ion Ratio Lower Upper

43 100

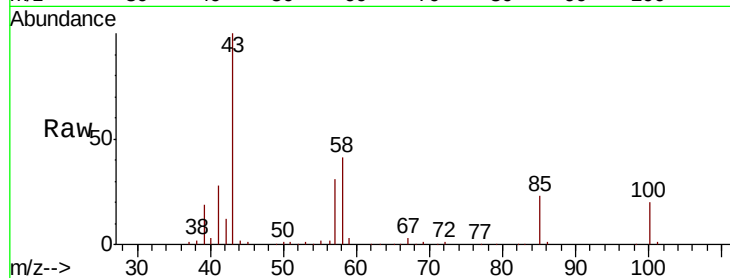
58 39.7 32.0 48.0

Manual Integrations

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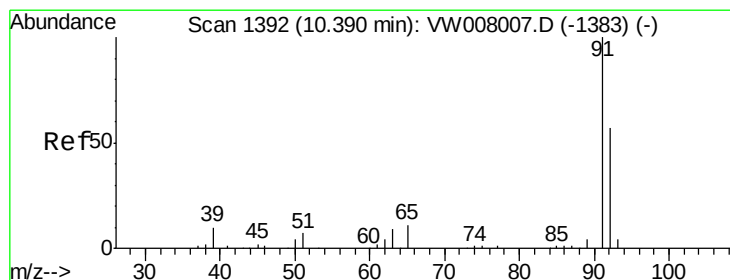
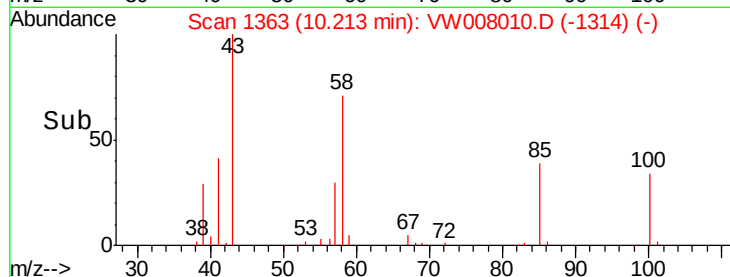
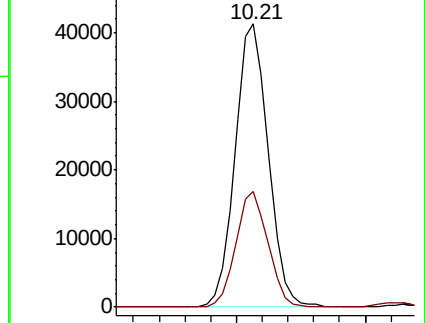
MMDadoda

1/3/2019 10:55:41 AM



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW



#52

Toluene

Concen: 48.650 ug/l

RT: 10.39 min Scan# 1392

Delta R.T. 0.00 min

Lab File: VW008010.D

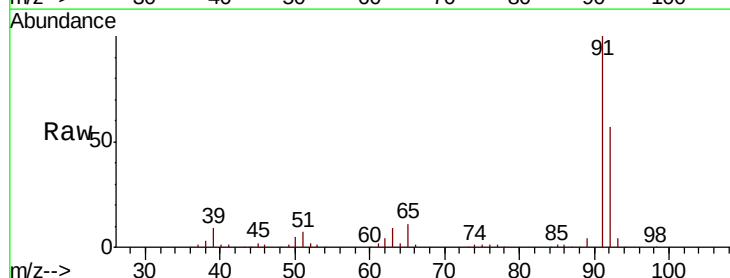
Acq: 02 Jan 2019 15:57

Tgt Ion: 92 Resp: 93053

Ion Ratio Lower Upper

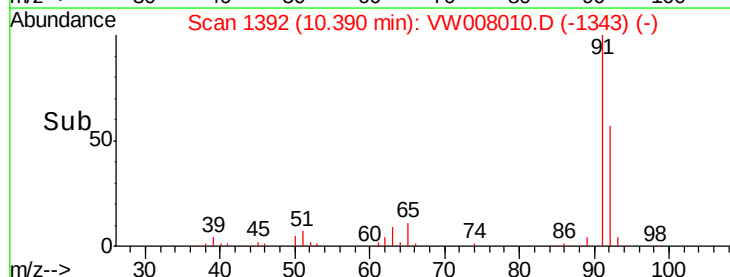
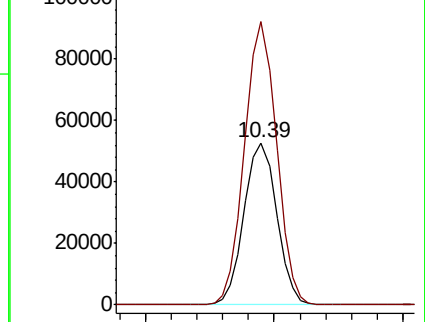
92 100

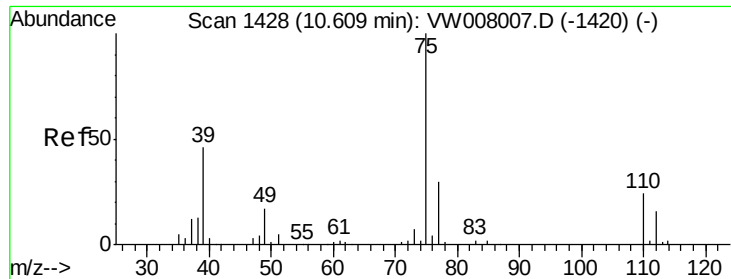
91 170.7 136.9 205.3



Abundance Ion 92.00 (91.70 to 92.70): VW

Ion 91.00 (90.70 to 91.70): VW





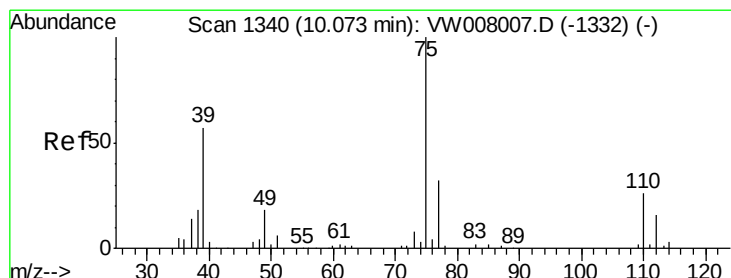
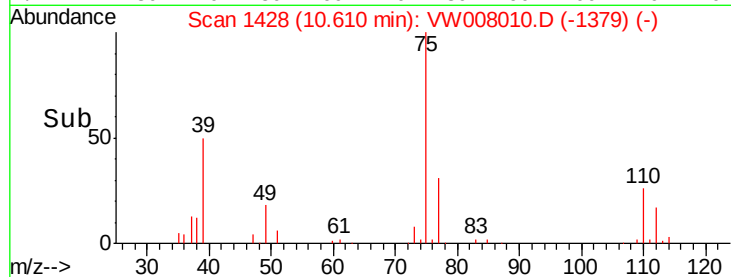
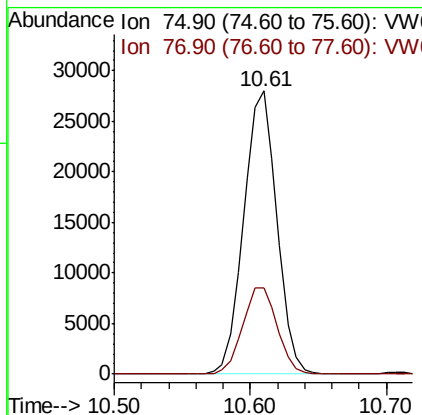
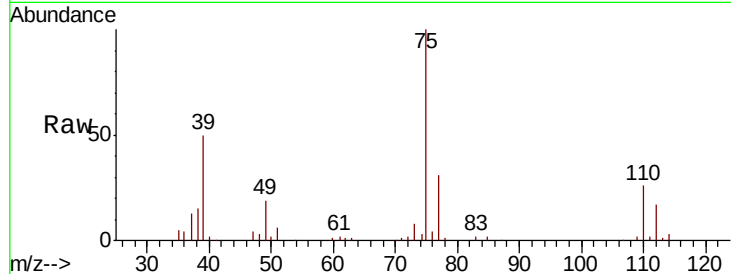
#53
 t-1,3-Dichloropropene
 Concen: 48.348 ug/l
 RT: 10.61 min Scan# 1428
 Delta R.T. 0.00 min
 Lab File: VW008010.D
 Acq: 02 Jan 2019 15:57

Instrument :
 MSVOA_W
 ClientSampled :
 ICVVW010219

Tot Ion: 75 Resp: 47744
 Ion Ratio Lower Upper
 75 100
 77 30.6 24.0 36.0

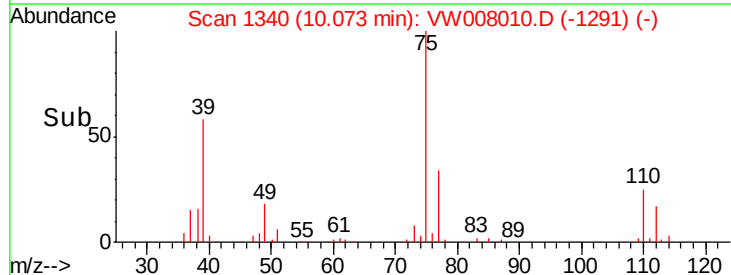
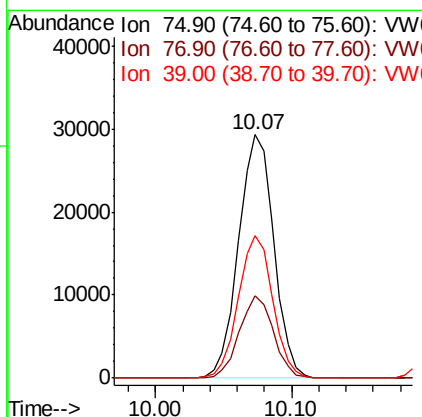
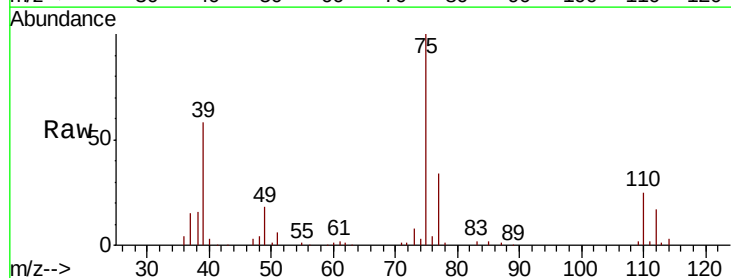
Manual Integrations
 APPROVED

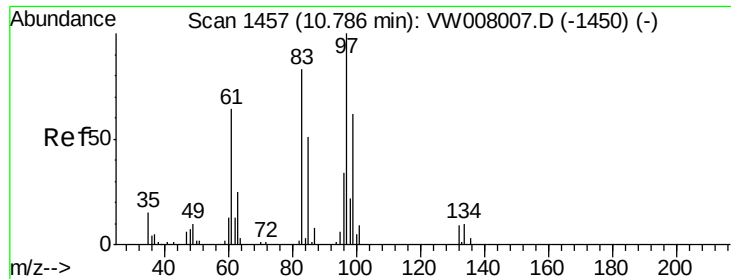
MMDadoda
 1/3/2019 10:55:41 AM



#54
 cis-1,3-Dichloropropene
 Concen: 48.104 ug/l
 RT: 10.07 min Scan# 1340
 Delta R.T. 0.00 min
 Lab File: VW008010.D
 Acq: 02 Jan 2019 15:57

Tgt Ion: 75 Resp: 53008
 Ion Ratio Lower Upper
 75 100
 77 33.8 25.9 38.9
 39 58.4 45.4 68.0





#55

1,1,2-Trichloroethane

Concen: 47.584 ug/l

RT: 10.79 min Scan# 1457

Delta R.T. 0.00 min

Lab File: VW008010.D

Acq: 02 Jan 2019 15:57

Instrument :

MSVOA_W

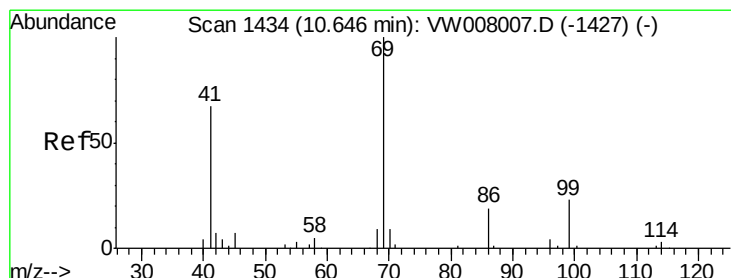
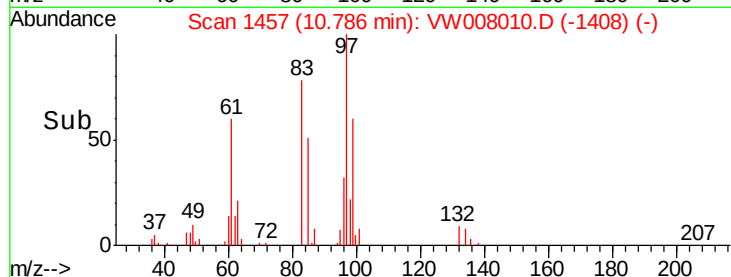
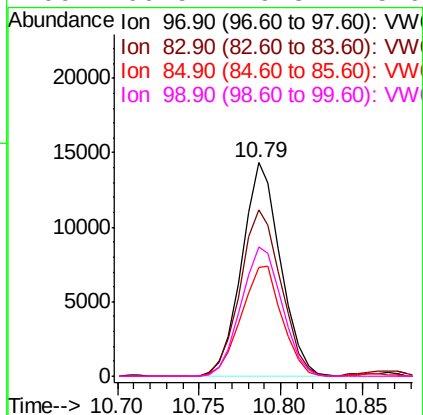
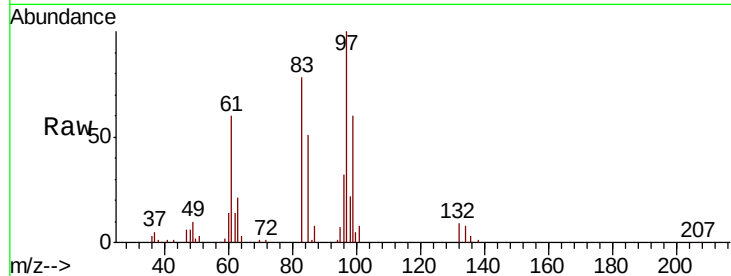
ClientSampled :

ICVW010219

Tot Ion:	97	Resp:	23622
Ion	Ratio	Lower	Upper
97	100		
83	78.0	66.2	99.2
85	51.1	41.0	61.4
99	60.5	49.3	73.9

Manual Integrations
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MMDadoda
1/3/2019 10:55:41 AM



#56

Ethyl methacrylate

Concen: 50.547 ug/l

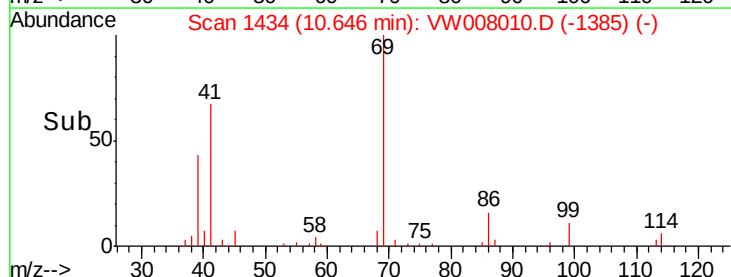
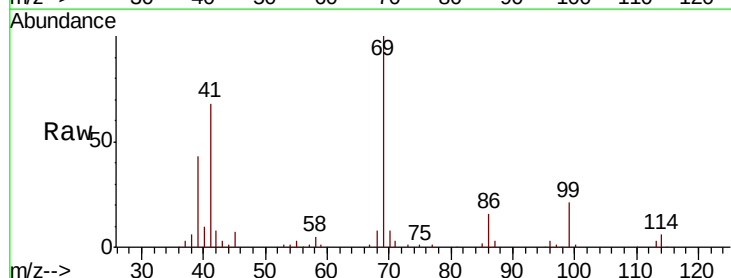
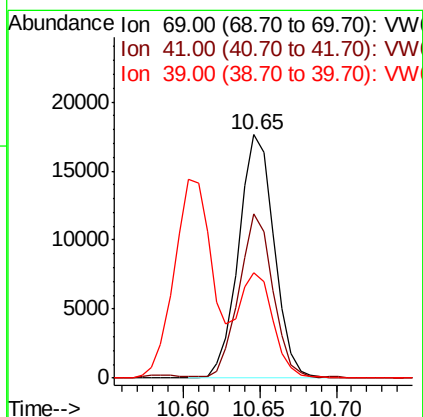
RT: 10.65 min Scan# 1434

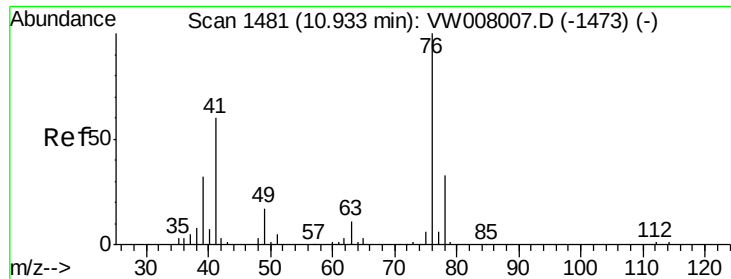
Delta R.T. 0.00 min

Lab File: VW008010.D

Acq: 02 Jan 2019 15:57

Tgt Ion:	69	Resp:	28368
Ion	Ratio	Lower	Upper
69	100		
41	64.6	52.6	79.0
39	42.3	35.8	53.6





#57

1,3-Dichloropropane

Concen: 47.079 ug/l

RT: 10.93 min Scan# 1481

Delta R.T. 0.00 min

Lab File: VW008010.D

Acq: 02 Jan 2019 15:57

Instrument :

MSVOA_W

ClientSampleId :

ICVW010219

Tot Ion: 76 Resp: 39713

Ion Ratio Lower Upper

76 100

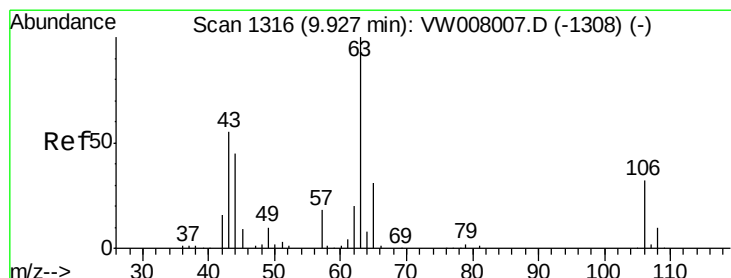
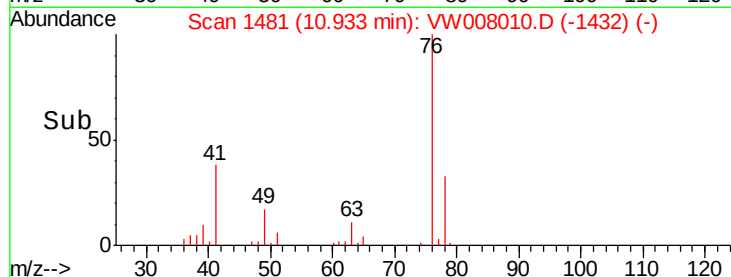
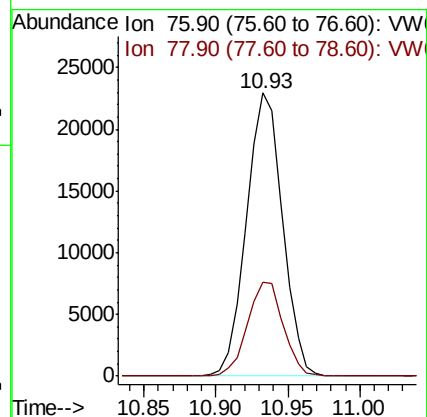
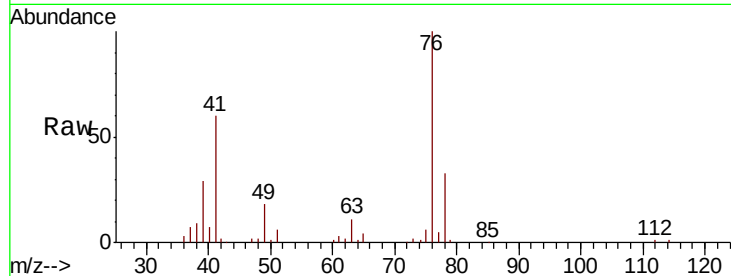
78 32.8 26.7 40.1

Manual Integrations

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MMDadoda

1/3/2019 10:55:41 AM



#58

2-Chloroethyl Vinyl ether

Concen: 252.040 ug/l

RT: 9.93 min Scan# 1316

Delta R.T. 0.00 min

Lab File: VW008010.D

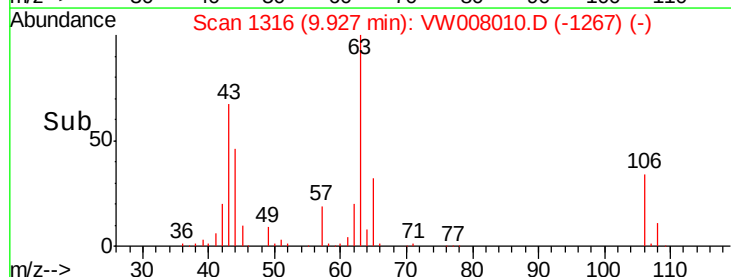
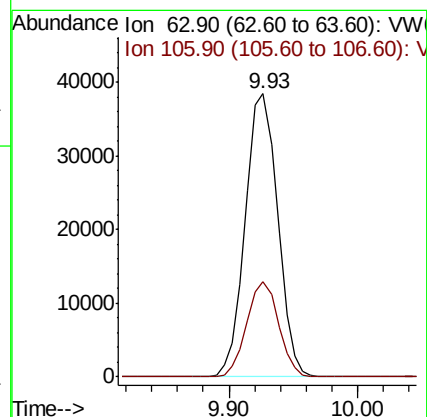
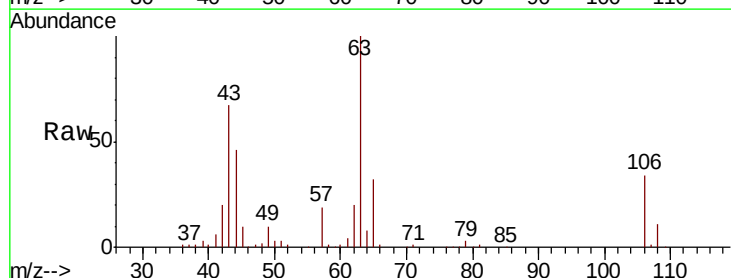
Acq: 02 Jan 2019 15:57

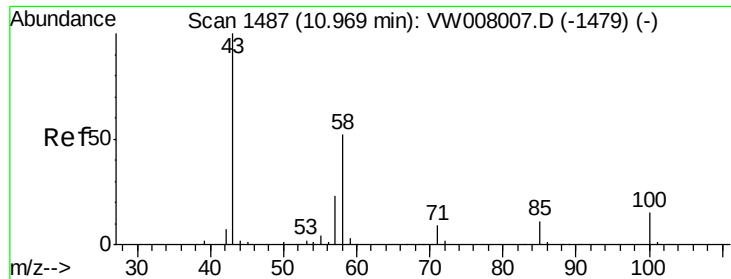
Tgt Ion: 63 Resp: 67084

Ion Ratio Lower Upper

63 100

106 33.1 26.9 40.3





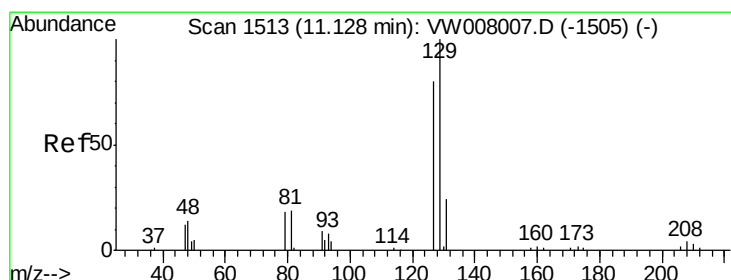
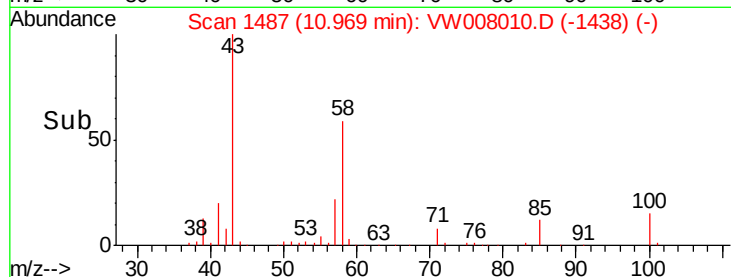
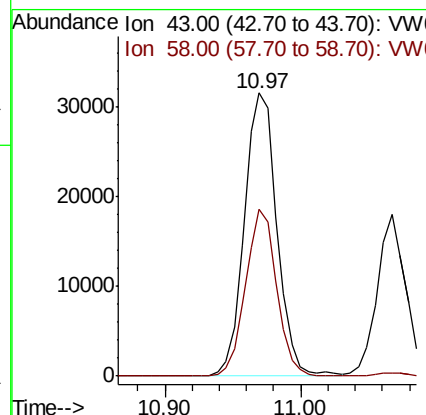
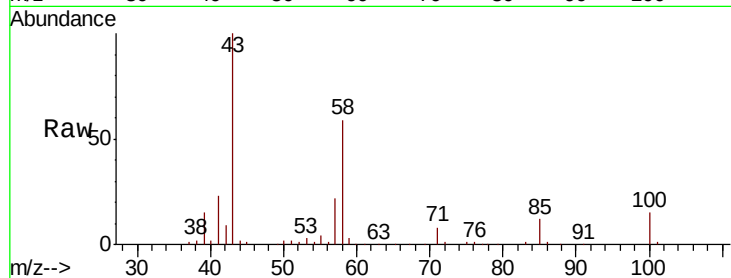
#59
2-Hexanone
Concen: 250.469 ug/l
RT: 10.97 min Scan# 1487
Delta R.T. 0.00 min
Lab File: VW008010.D
Acq: 02 Jan 2019 15:57

Instrument :
MSVOA_W
ClientSampleId :
ICVW010219

Tot Ion	43.00	Resp	52758
Ion Ratio	100	Lower	Upper
43	100		
58	56.4	27.1	81.2

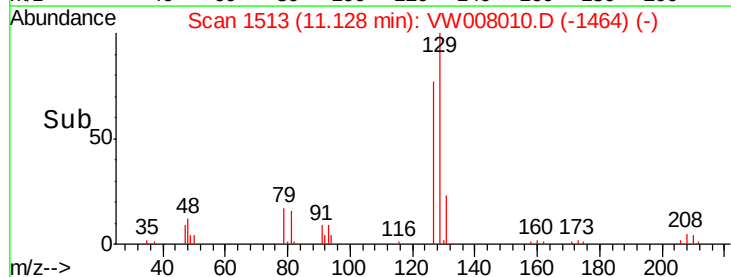
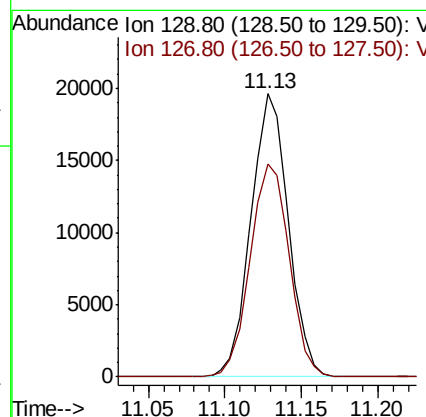
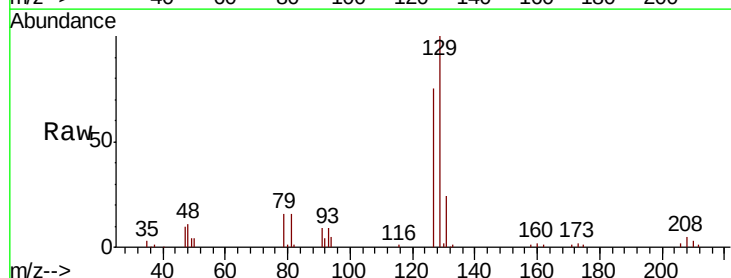
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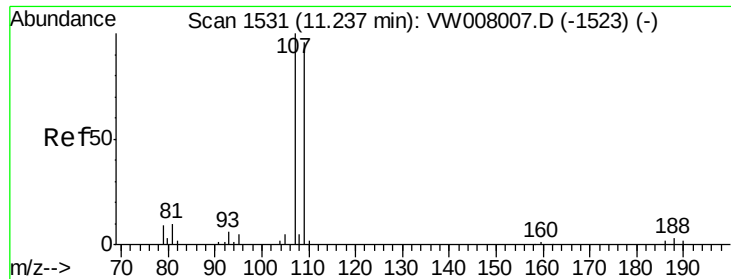
MMDadoda
1/3/2019 10:55:41 AM



#60
Dibromochloromethane
Concen: 49.203 ug/l
RT: 11.13 min Scan# 1513
Delta R.T. 0.00 min
Lab File: VW008010.D
Acq: 02 Jan 2019 15:57

Tgt Ion	129	Resp	33435
Ion Ratio	100	Lower	Upper
129	100		
127	78.6	38.6	116.0





#61

1,2-Dibromoethane

Concen: 49.614 ug/l

RT: 11.24 min Scan# 1531

Delta R.T. 0.00 min

Lab File: VW008010.D

Acq: 02 Jan 2019 15:57

Instrument :

MSVOA_W

ClientSampleId :

ICVW010219

Tot Ion:107 Resp: 24648

Ion Ratio Lower Upper

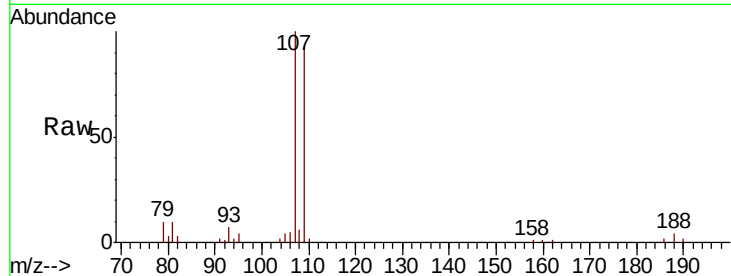
107 100

109 95.2 77.2 115.8

Manual Integrations
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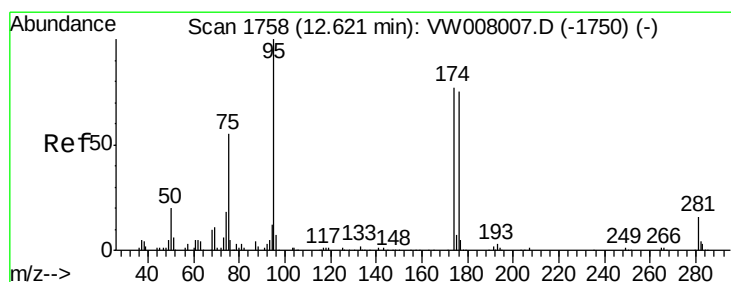
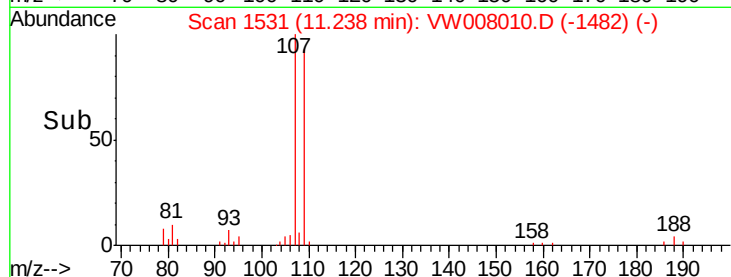
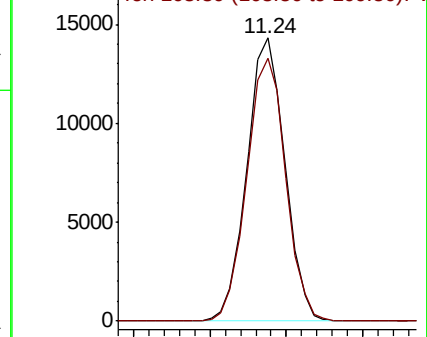
MMDadoda

1/3/2019 10:55:41 AM



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V



#62

4-Bromofluorobenzene

Concen: 53.590 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. 0.00 min

Lab File: VW008010.D

Acq: 02 Jan 2019 15:57

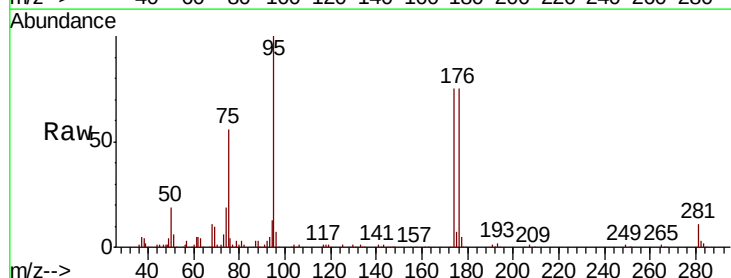
Tgt Ion: 95 Resp: 54110

Ion Ratio Lower Upper

95 100

174 75.7 0.0 149.6

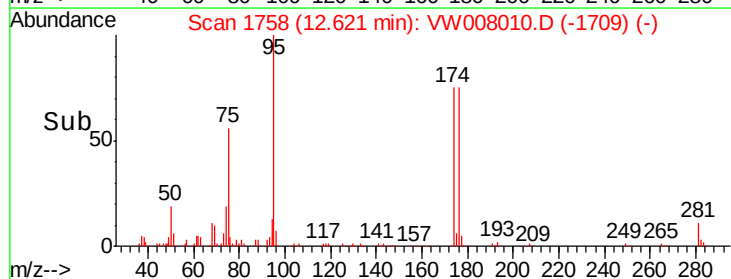
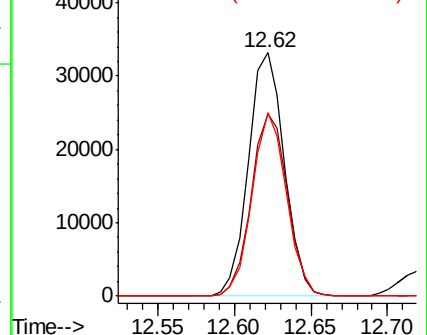
176 72.6 0.0 145.4

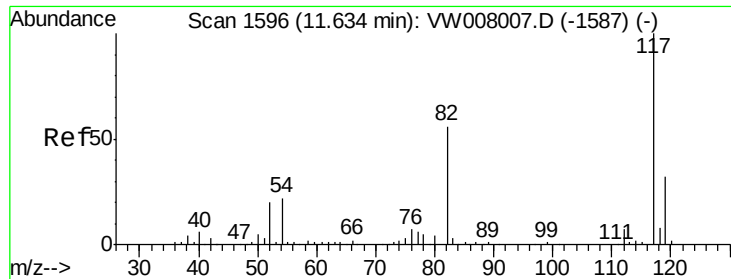


Abundance Ion 94.90 (94.60 to 95.60): VW

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V





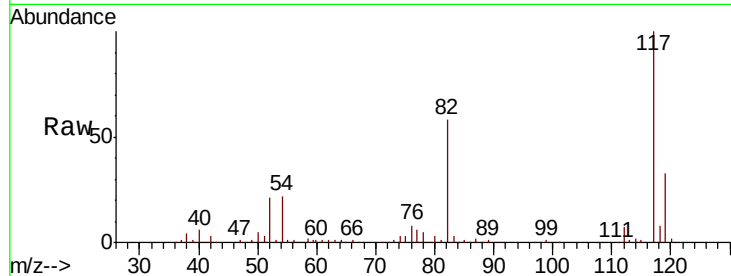
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1596
Delta R.T. 0.00 min
Lab File: VW008010.D
Acq: 02 Jan 2019 15:57

Instrument :
MSVOA_W
ClientSampled :
ICVW010219

Tot Ion	Ratio	Lower	Upper
117	100		
82	57.6	44.8	67.2
119	32.5	25.6	38.4

Manual Integrations
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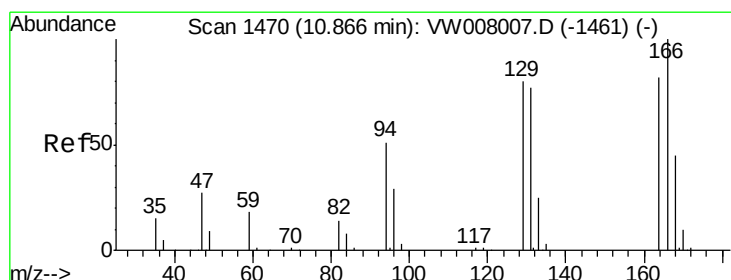
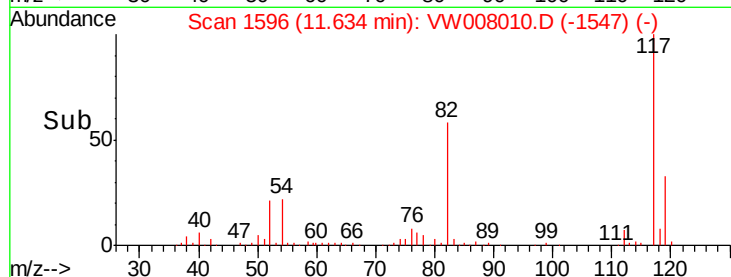
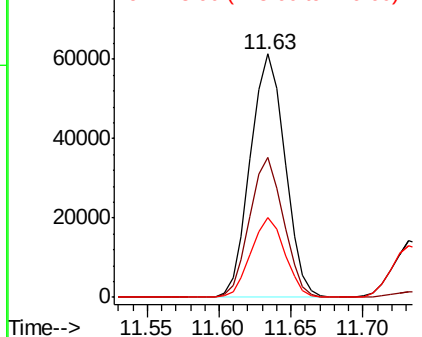


Abundance

Ion 116.90 (116.60 to 117.60): V

Ion 82.00 (81.70 to 82.70): V

Ion 118.90 (118.60 to 119.60): V



#64
Tetrachloroethene
Concen: 47.654 ug/l
RT: 10.87 min Scan# 1470
Delta R.T. 0.00 min
Lab File: VW008010.D
Acq: 02 Jan 2019 15:57

Tgt Ion	Ratio	Lower	Upper
164	100		
166	125.4	98.1	147.1
129	98.6	78.0	117.0
131	97.4	75.8	113.8

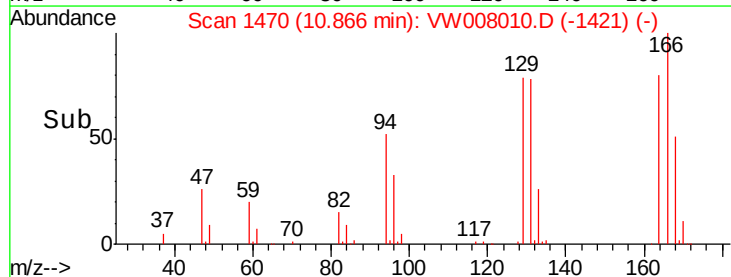
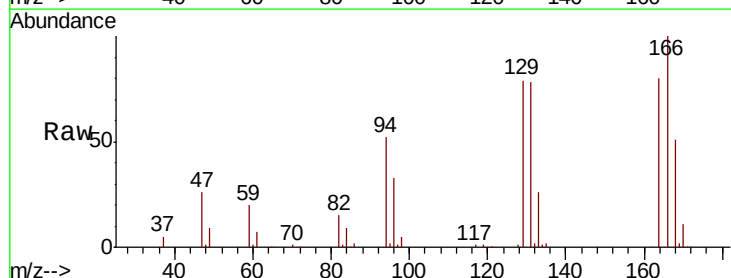
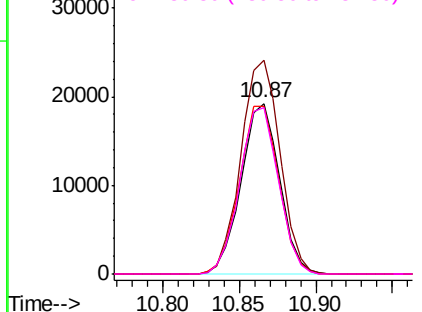
Abundance

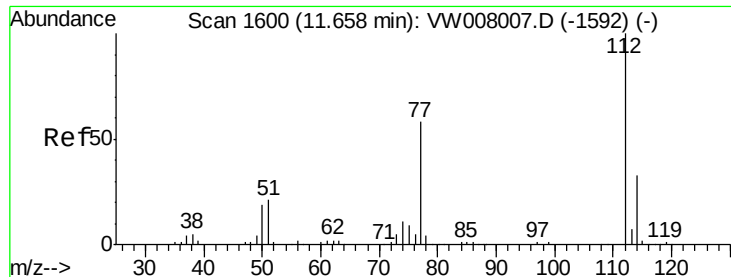
Ion 163.80 (163.50 to 164.50): V

Ion 165.80 (165.50 to 166.50): V

Ion 128.80 (128.50 to 129.50): V

Ion 130.80 (130.50 to 131.50): V





#65

Chlorobenzene

Concen: 49.236 ug/l

RT: 11.66 min Scan# 1600

Delta R.T. 0.00 min

Lab File: VW008010.D

Acq: 02 Jan 2019 15:57

Instrument :

MSVOA_W

ClientSampleId :

ICVW010219

Tot Ion:112 Resp: 107219

Ion Ratio Lower Upper

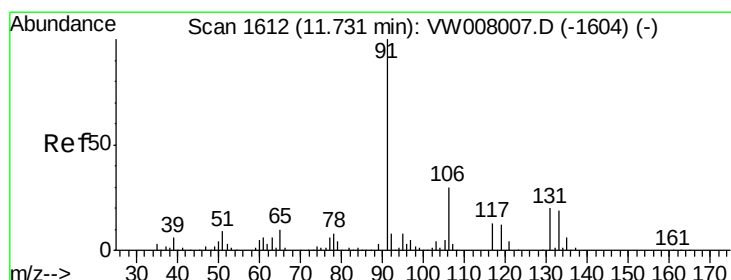
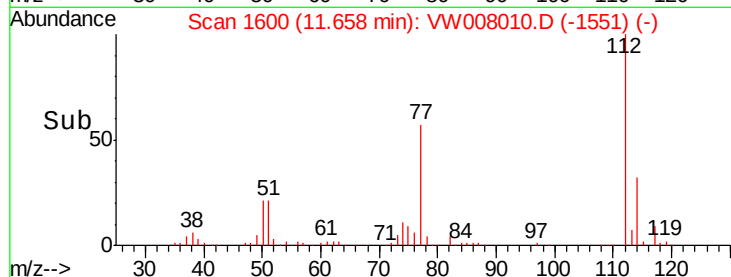
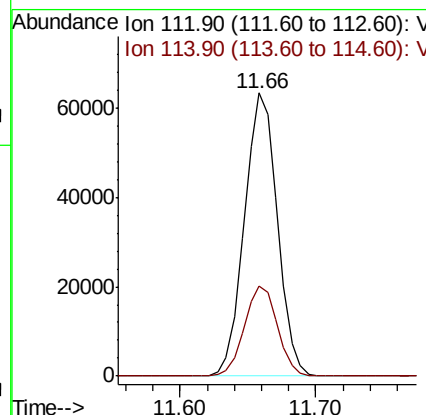
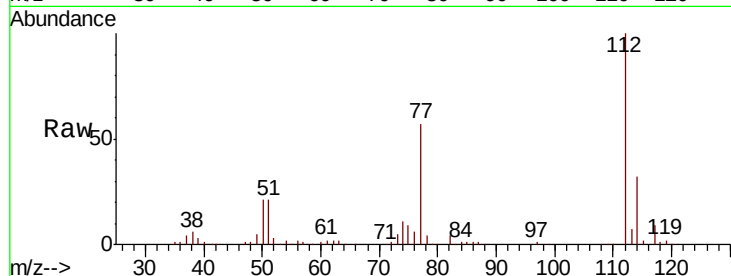
112 100

114 32.0 26.0 39.0

Manual Integrations
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#66

1,1,1,2-Tetrachloroethane

Concen: 48.490 ug/l

RT: 11.73 min Scan# 1612

Delta R.T. 0.00 min

Lab File: VW008010.D

Acq: 02 Jan 2019 15:57

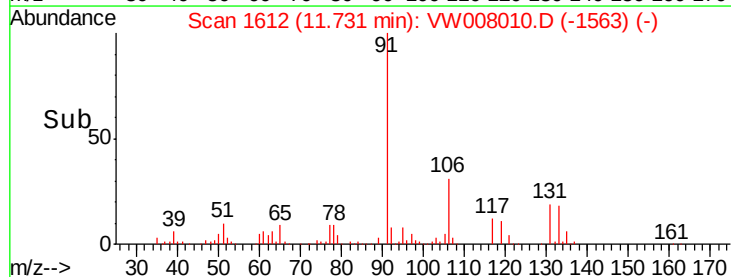
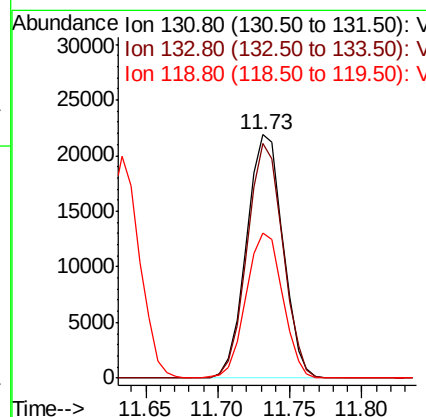
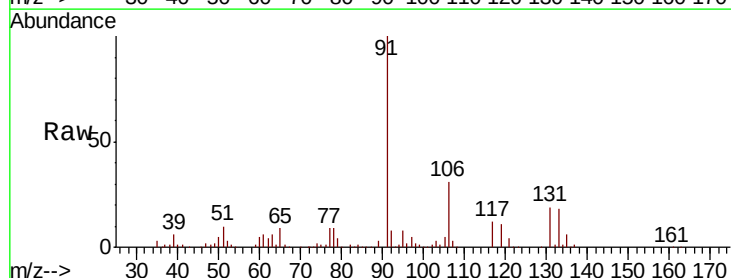
Tgt Ion:131 Resp: 38239

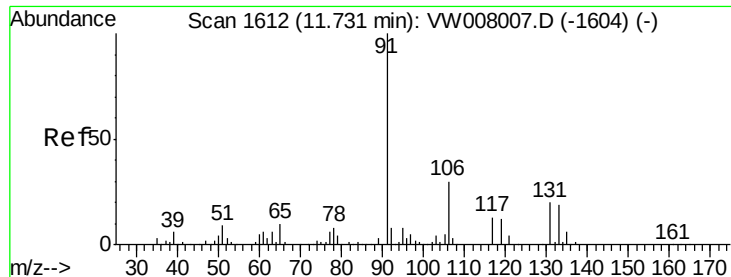
Ion Ratio Lower Upper

131 100

133 94.9 49.1 147.3

119 60.0 30.6 91.6





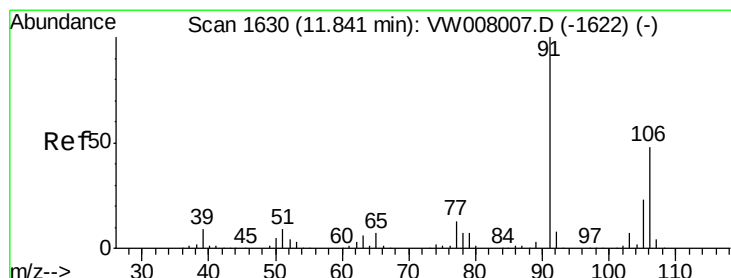
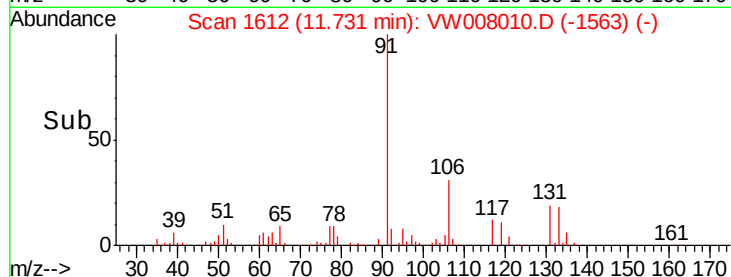
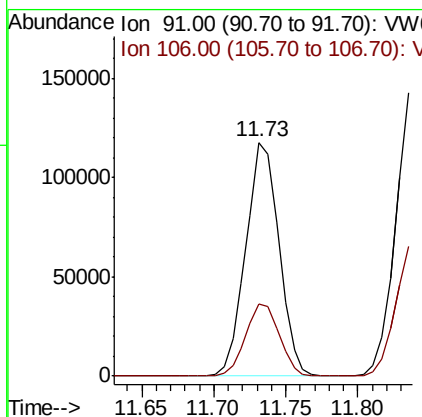
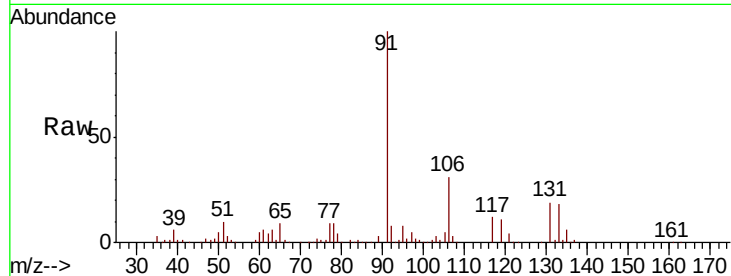
#67
Ethyl Benzene
Concen: 48.681 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. 0.00 min
Lab File: VW008010.D
Acq: 02 Jan 2019 15:57

Instrument :
MSVOA_W
ClientSampleId :
ICVW010219

Tot Ion: 91 Resp: 188164
Ion Ratio Lower Upper
91 100
106 31.0 24.3 36.5

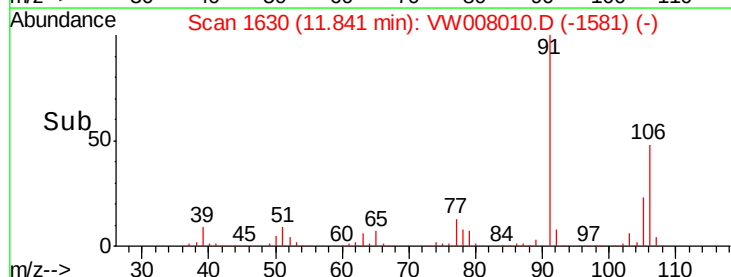
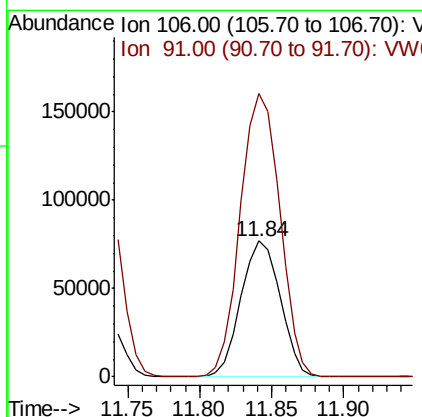
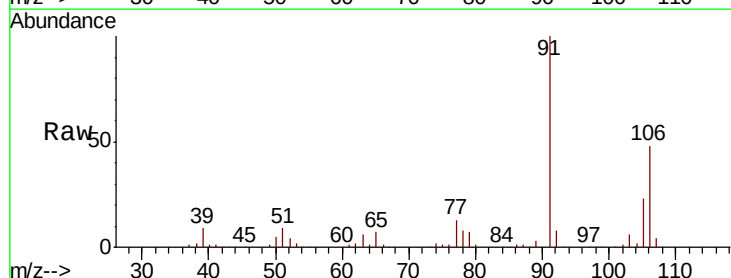
Manual Integrations
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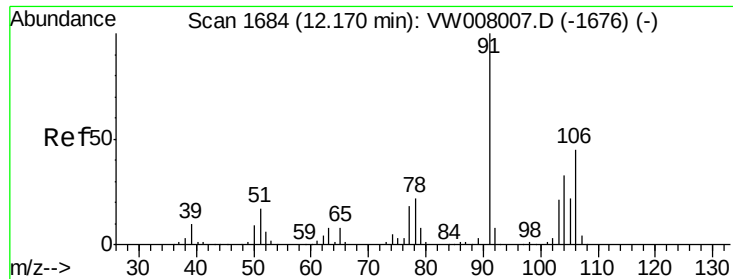
MMDadoda
1/3/2019 10:55:41 AM



#68
m/p-Xylenes
Concen: 98.004 ug/l
RT: 11.84 min Scan# 1630
Delta R.T. 0.00 min
Lab File: VW008010.D
Acq: 02 Jan 2019 15:57

Tgt Ion: 106 Resp: 146451
Ion Ratio Lower Upper
106 100
91 209.4 165.8 248.8





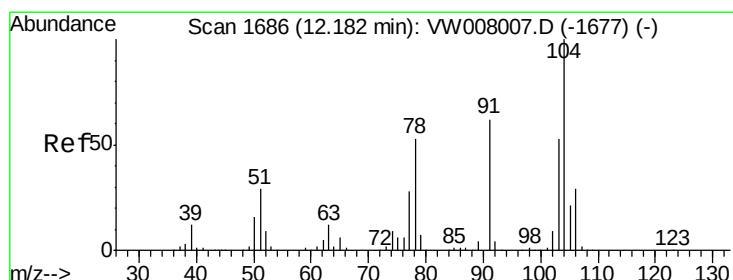
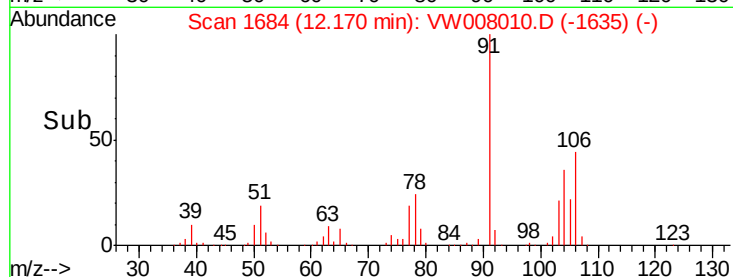
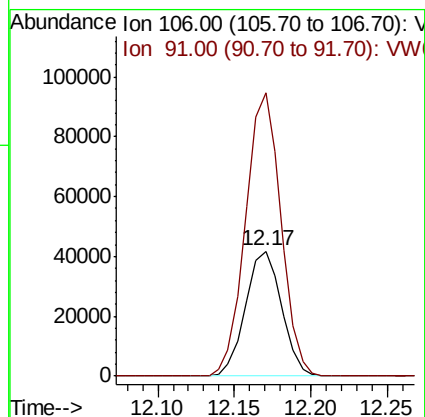
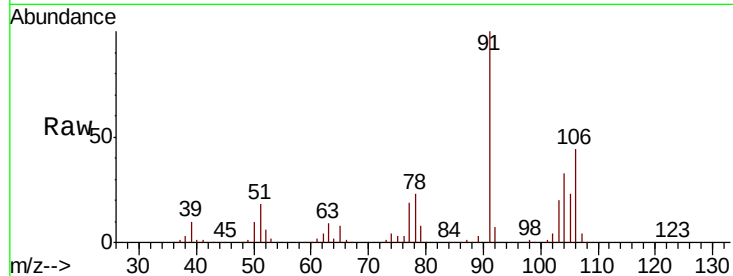
#69
o-Xylene
Concen: 49.367 ug/l
RT: 12.17 min Scan# 1684
Delta R.T. 0.00 min
Lab File: VW008010.D
Acq: 02 Jan 2019 15:57

Instrument :
MSVOA_W
ClientSampled :
ICVW010219

Tot Ion:106 Resp: 68643
Ion Ratio Lower Upper
106 100
91 221.8 110.6 331.6

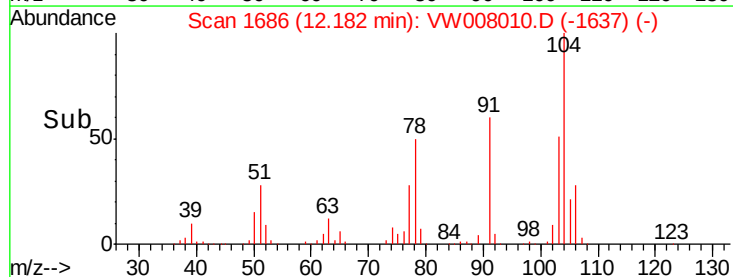
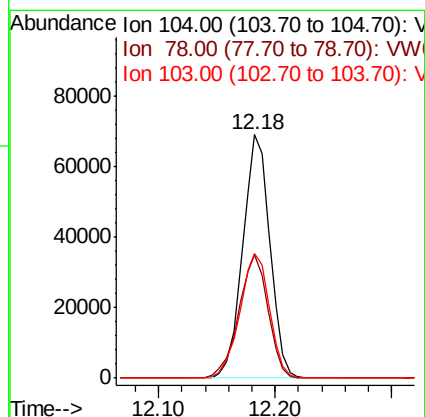
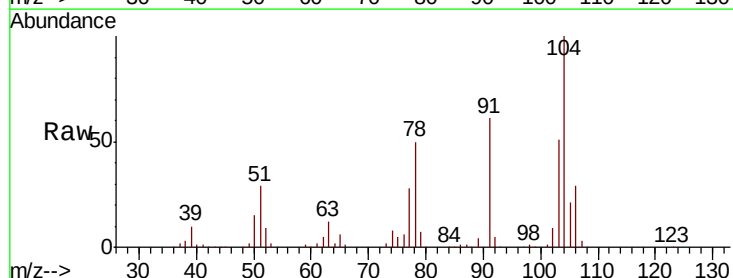
Manual Integrations
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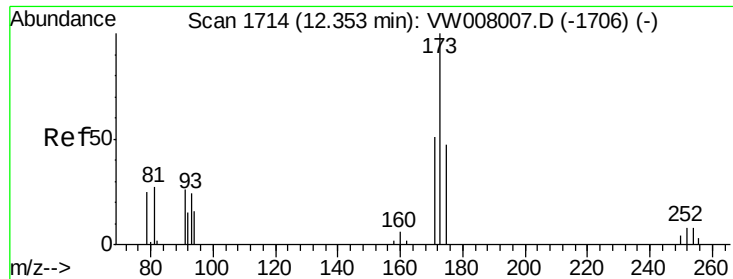
MMDadoda
1/3/2019 10:55:41 AM



#70
Styrene
Concen: 49.644 ug/l
RT: 12.18 min Scan# 1686
Delta R.T. 0.00 min
Lab File: VW008010.D
Acq: 02 Jan 2019 15:57

Tgt Ion:104 Resp: 112511
Ion Ratio Lower Upper
104 100
78 54.5 44.0 66.0
103 55.7 44.6 66.8





#71

Bromoform

Concen: 49.103 ug/l

RT: 12.35 min Scan# 1714

Delta R.T. 0.00 min

Lab File: VW008010.D

Acq: 02 Jan 2019 15:57

Instrument :

MSVOA_W

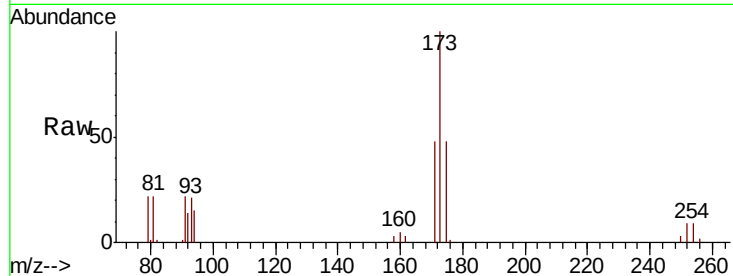
ClientSampleId :

ICVW010219

Tot Ion:	173	Resp:	17940
Ion	Ratio	Lower	Upper
173	100		
175	48.9	23.6	71.0
254	0.0	0.0	0.0

Manual Integrations
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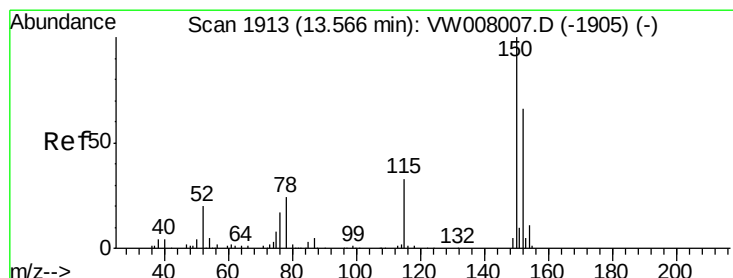
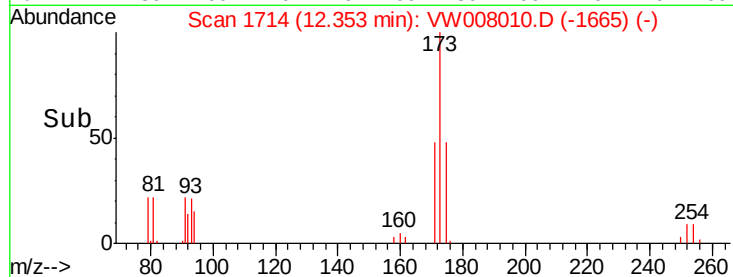
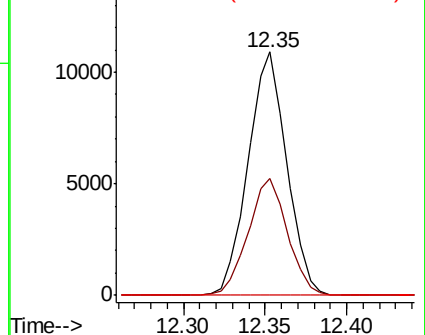


Abundance

Ion 172.70 (172.40 to 173.40): V

Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

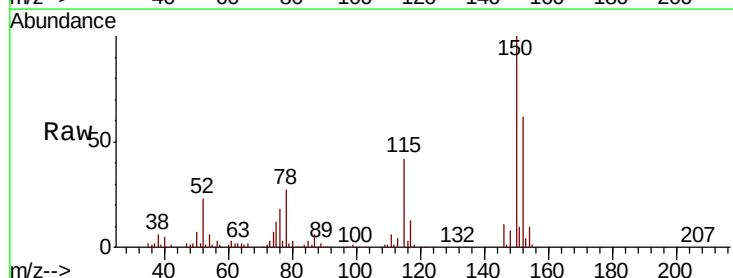
RT: 13.56 min Scan# 1912

Delta R.T. -0.01 min

Lab File: VW008010.D

Acq: 02 Jan 2019 15:57

Tgt Ion:	152	Resp:	50848
Ion	Ratio	Lower	Upper
152	100		
115	65.3	32.1	96.5
150	175.8	0.0	345.0

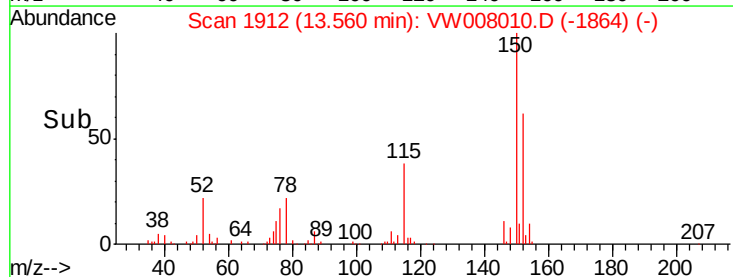
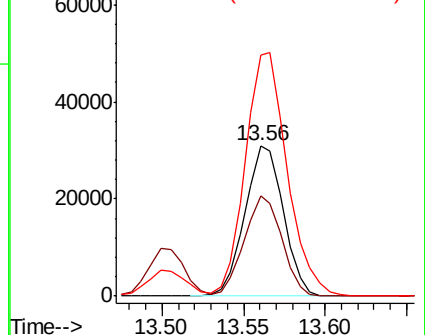


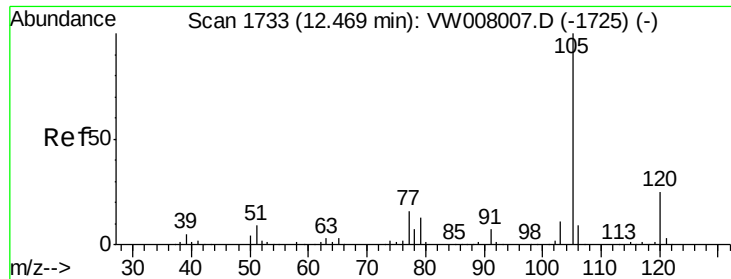
Abundance

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





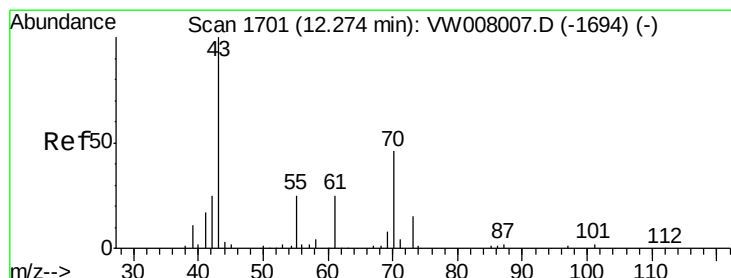
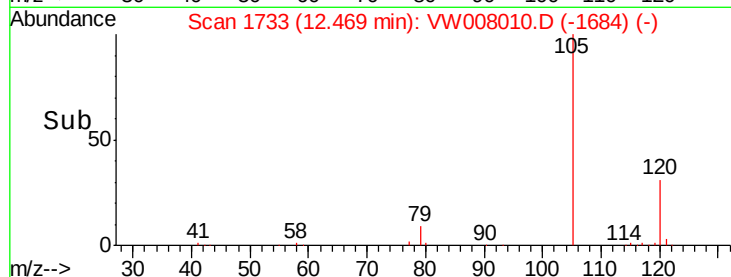
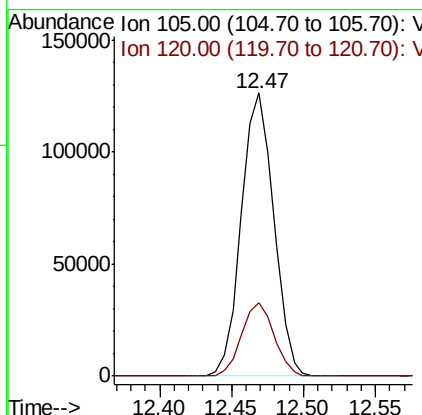
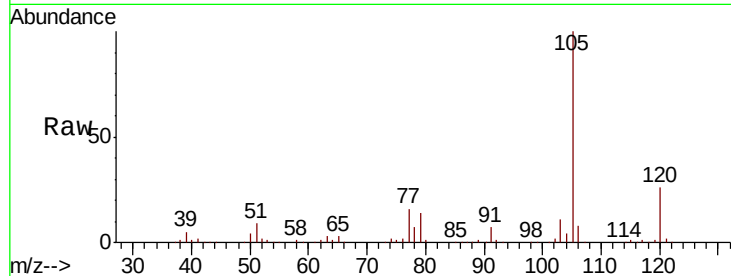
#73
Isopropylbenzene
Concen: 48.877 ug/l
RT: 12.47 min Scan# 1733
Delta R.T. 0.00 min
Lab File: VW008010.D
Acq: 02 Jan 2019 15:57

Instrument :
MSVOA_W
ClientSampled :
ICVW010219

Tot Ion	Ratio	Lower	Upper
105	100		
120	25.9	12.8	38.3

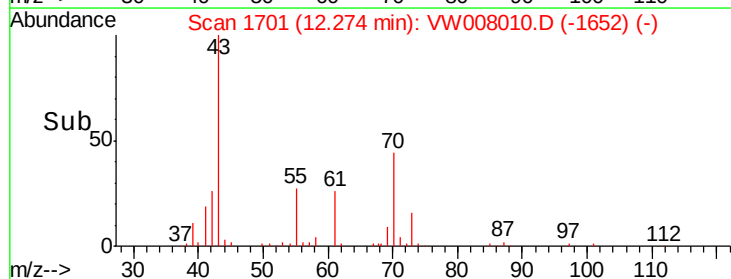
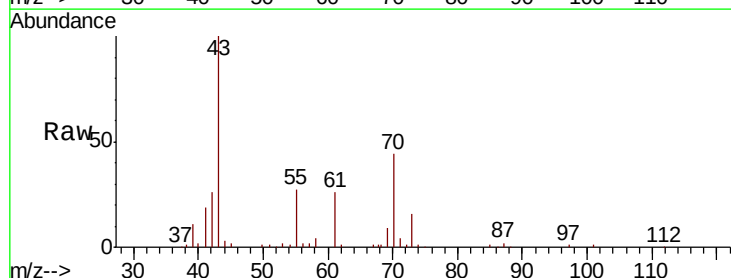
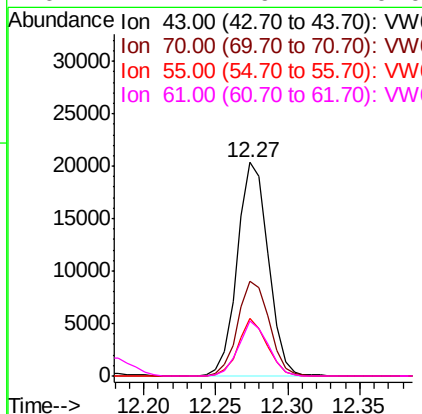
Manual Integrations
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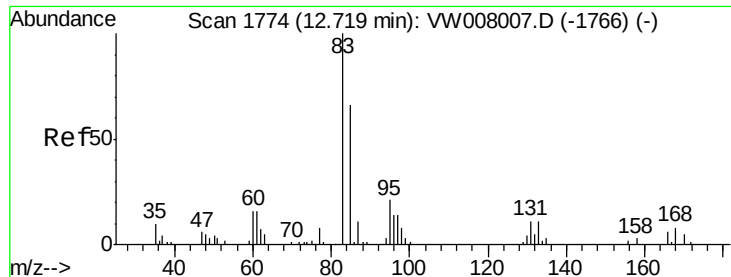
MMDadoda
1/3/2019 10:55:41 AM



#74
N-ethyl acetate
Concen: 48.299 ug/l
RT: 12.27 min Scan# 1701
Delta R.T. 0.00 min
Lab File: VW008010.D
Acq: 02 Jan 2019 15:57

Tgt Ion	Ratio	Lower	Upper
43	100		
70	45.1	35.2	52.8
55	24.7	21.4	32.0
61	24.1	19.4	29.0





#75

1,1,2,2-Tetrachloroethane

Concen: 47.811 ug/l

RT: 12.72 min Scan# 1774

Delta R.T. 0.00 min

Lab File: VW008010.D

Acq: 02 Jan 2019 15:57

Instrument :

MSVOA_W

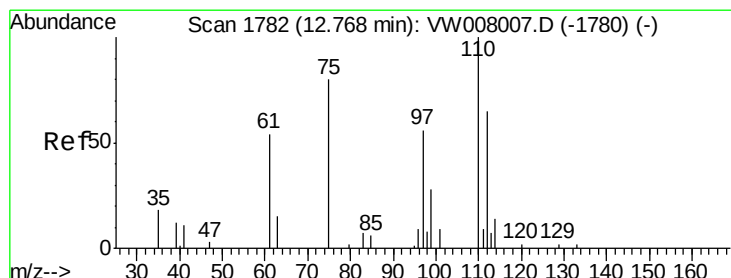
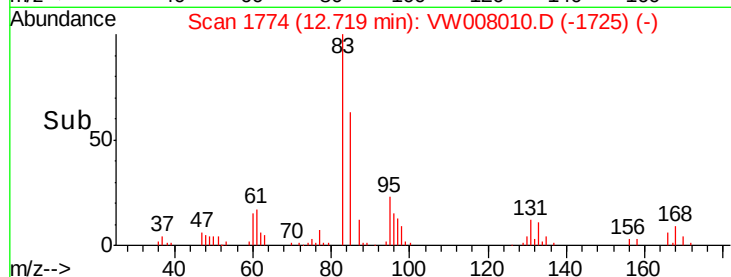
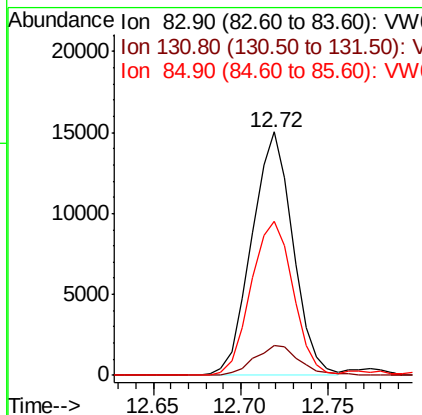
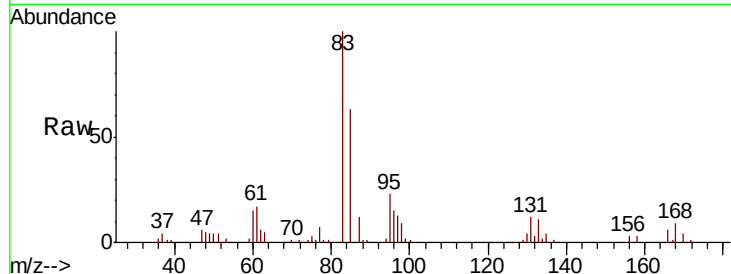
ClientSampled :

ICVW010219

Tot Ion:	83	Resp:	24597
Ion	Ratio	Lower	Upper
83	100		
131	13.5	6.5	19.5
85	64.9	32.8	98.3

Manual Integrations
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MMDadoda
1/3/2019 10:55:41 AM



#76

1,2,3-Trichloropropane

Concen: 50.035 ug/l m

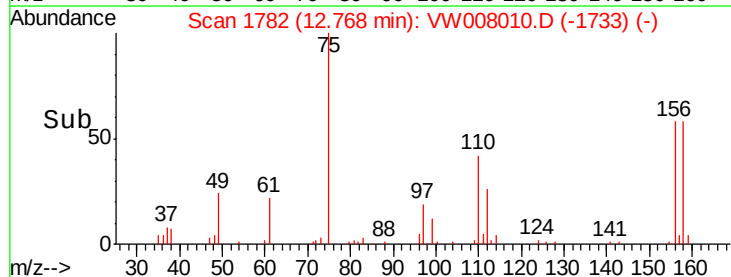
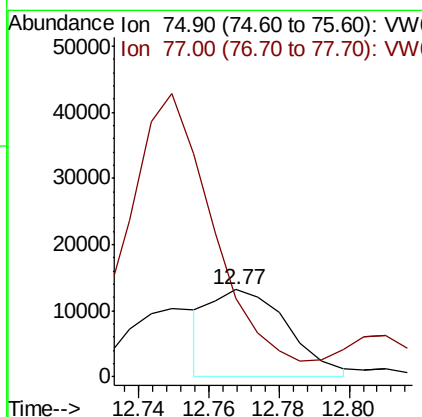
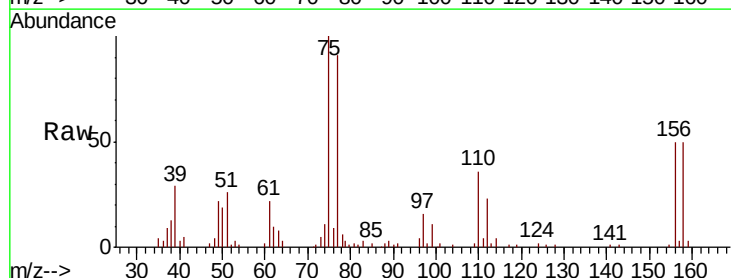
RT: 12.77 min Scan# 1782

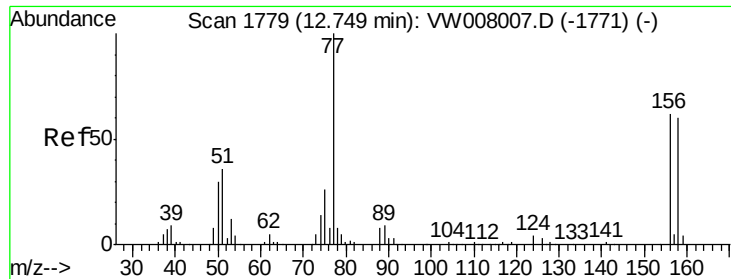
Delta R.T. 0.00 min

Lab File: VW008010.D

Acq: 02 Jan 2019 15:57

Tgt Ion:	75	Resp:	20240
Ion	Ratio	Lower	Upper
75	100		
77	367.7	186.2	558.6





#77

Bromobenzene

Concen: 48.300 ug/l

RT: 12.75 min Scan# 1779

Delta R.T. 0.00 min

Lab File: VW008010.D

Acq: 02 Jan 2019 15:57

Instrument :

MSVOA_W

ClientSampled :

ICVW010219

Tot Ion:156 Resp: 41976

Ion Ratio Lower Upper

156 100

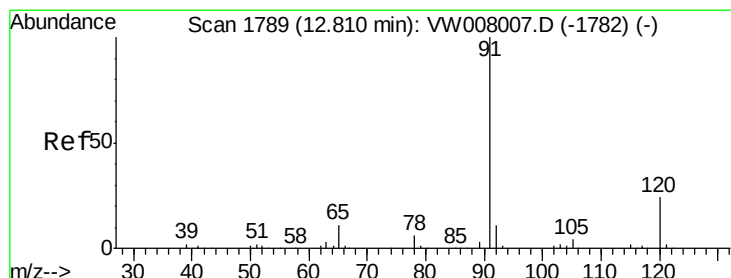
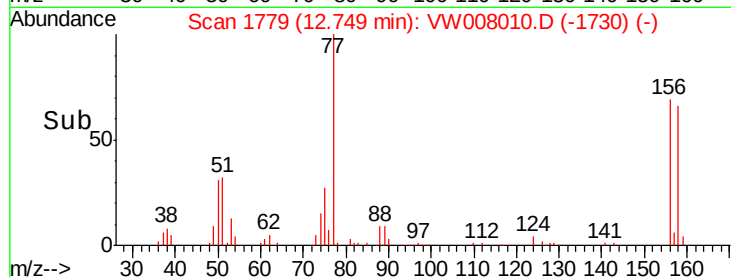
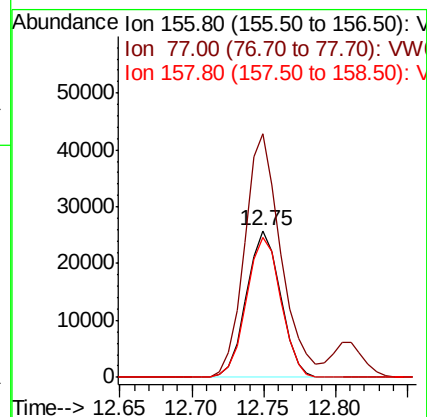
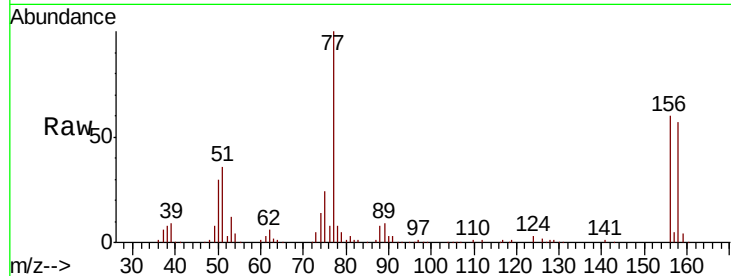
77 177.3 87.9 263.8

158 96.7 47.8 143.4

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#78

n-propylbenzene

Concen: 48.940 ug/l

RT: 12.81 min Scan# 1789

Delta R.T. 0.00 min

Lab File: VW008010.D

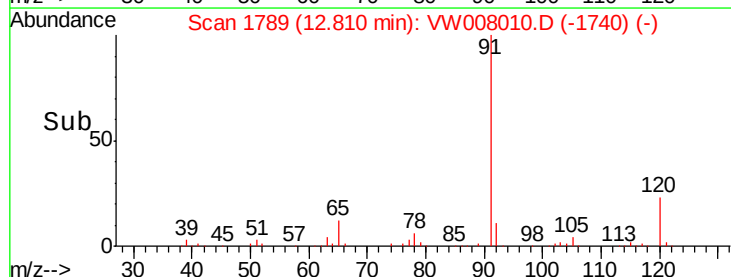
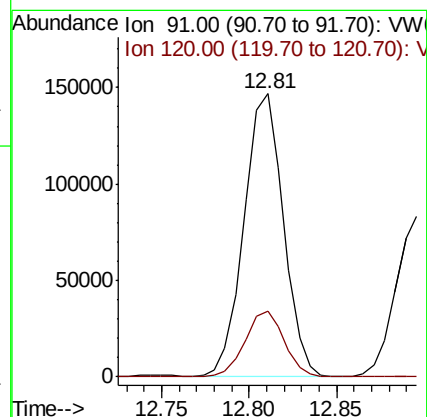
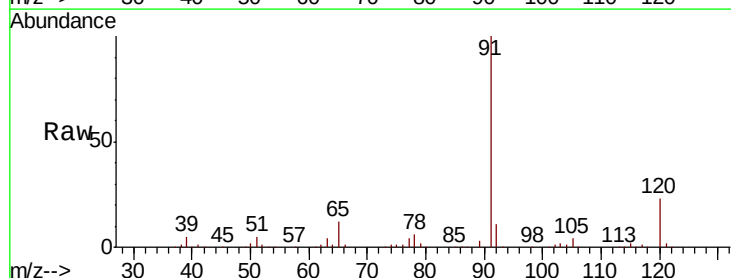
Acq: 02 Jan 2019 15:57

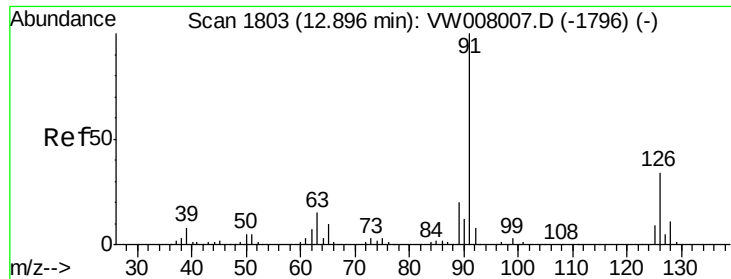
Tgt Ion: 91 Resp: 229426

Ion Ratio Lower Upper

91 100

120 23.2 11.5 34.5





#79

2-Chlorotoluene

Concen: 48.656 ug/l

RT: 12.90 min Scan# 1803

Delta R.T. 0.00 min

Lab File: VW008010.D

Acq: 02 Jan 2019 15:57

Instrument :

MSVOA_W

ClientSampled :

ICVW010219

Tot Ion: 91 Resp: 131828

Ion Ratio Lower Upper

91 100

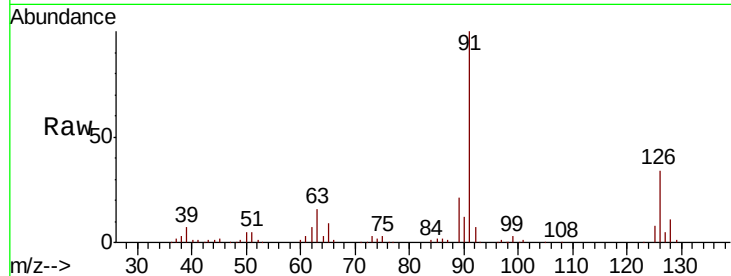
126 33.8 17.1 51.2

Manual Integrations

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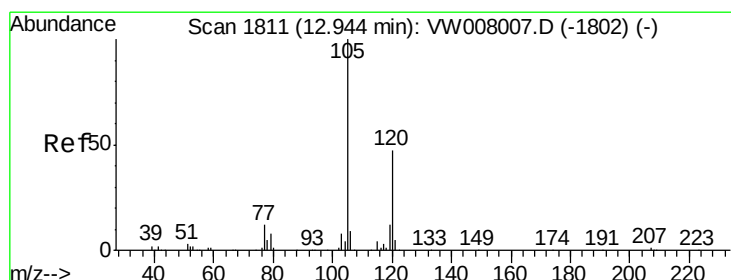
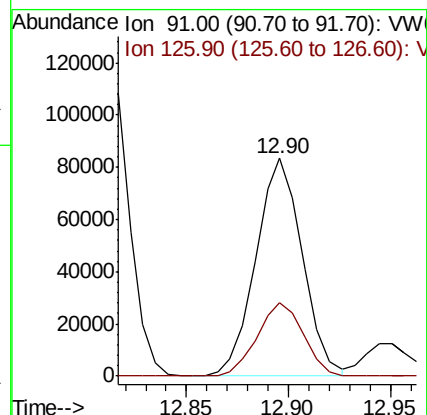
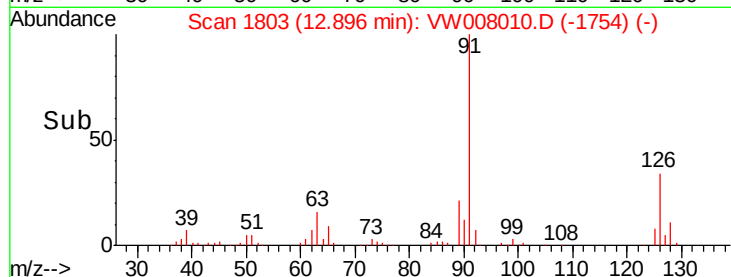
MMDadoda

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Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 125.90 (125.60 to 126.60): V



#80

1,3,5-Trimethylbenzene

Concen: 48.604 ug/l

RT: 12.94 min Scan# 1811

Delta R.T. 0.00 min

Lab File: VW008010.D

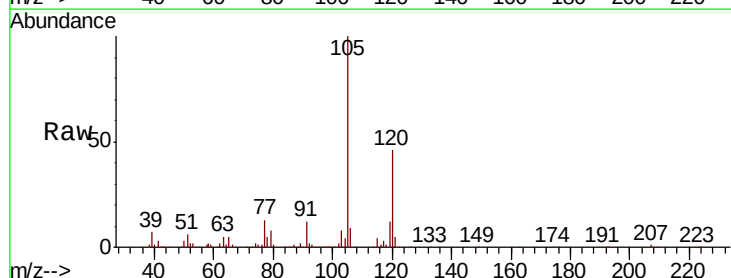
Acq: 02 Jan 2019 15:57

Tgt Ion:105 Resp: 169161

Ion Ratio Lower Upper

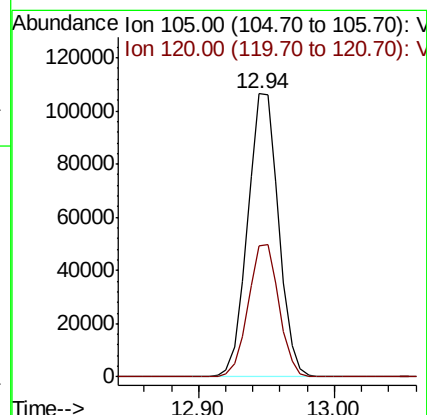
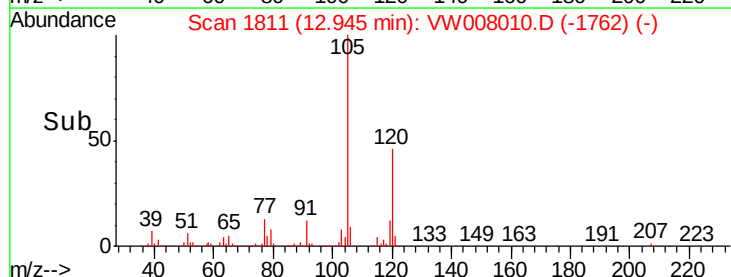
105 100

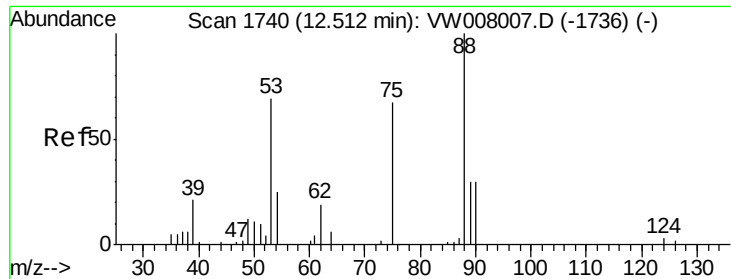
120 46.5 23.3 69.9



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





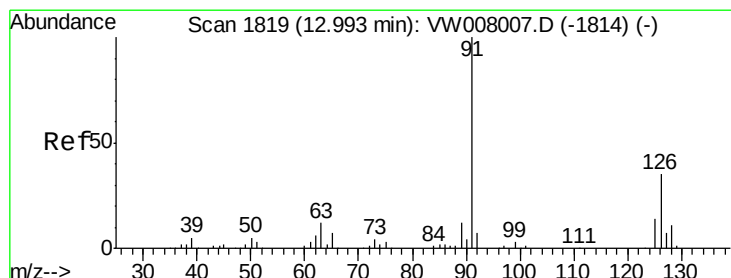
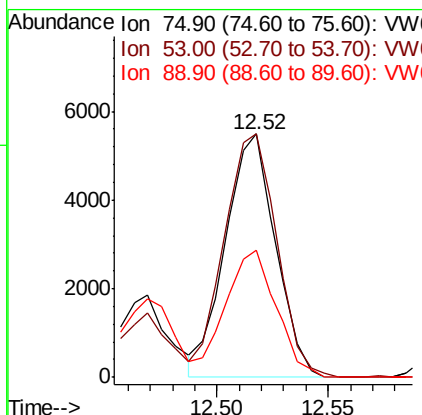
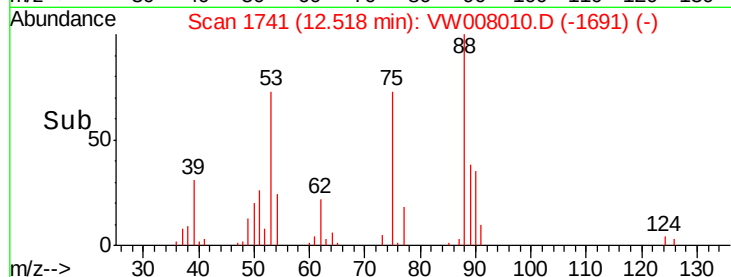
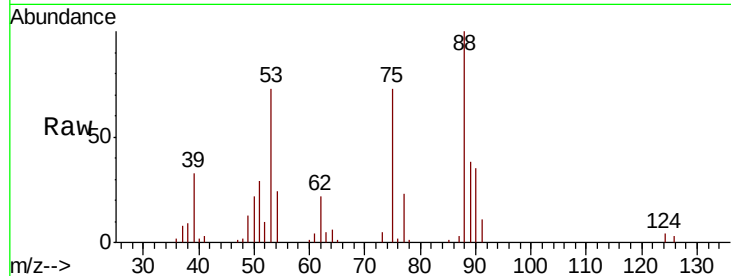
#81
trans-1,4-Dichloro-2-butene
Concen: 50.235 ug/l
RT: 12.52 min Scan# 1741
Delta R.T. 0.01 min
Lab File: VW008010.D
Acq: 02 Jan 2019 15:57

Instrument :
MSVOA_W
ClientSampleId :
ICVW010219

Tot Ion	Ratio	Lower	Upper
75	100		
53	105.0	87.6	131.4
89	53.3	42.2	63.2

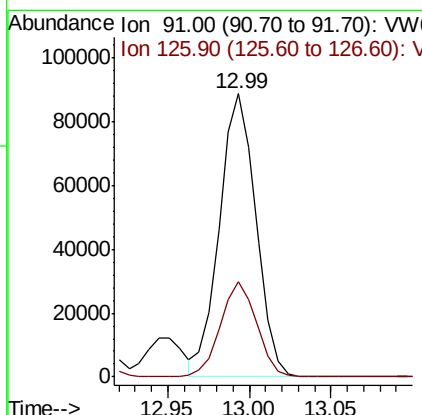
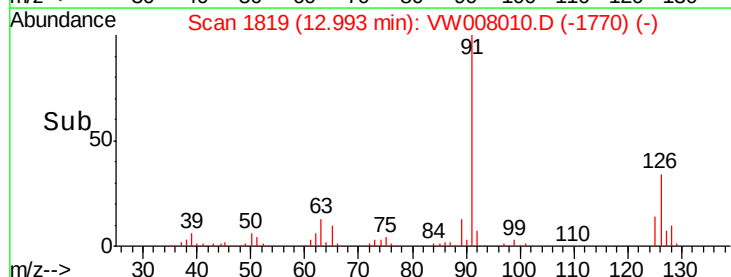
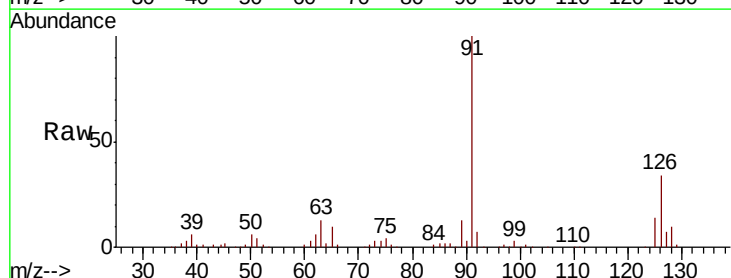
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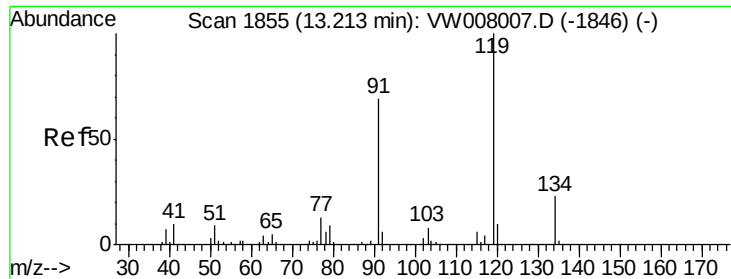
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#82
4-Chlorotoluene
Concen: 48.038 ug/l
RT: 12.99 min Scan# 1819
Delta R.T. 0.00 min
Lab File: VW008010.D
Acq: 02 Jan 2019 15:57

Tgt Ion	Ratio	Lower	Upper
91	100		
126	33.3	16.7	50.1





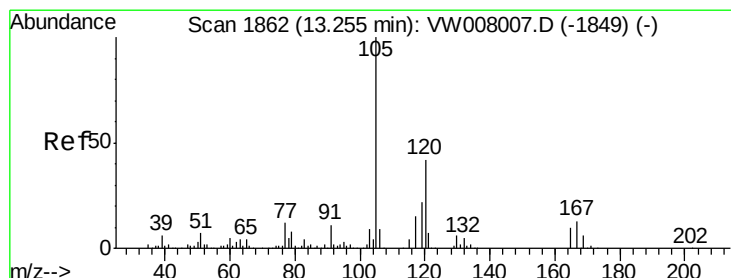
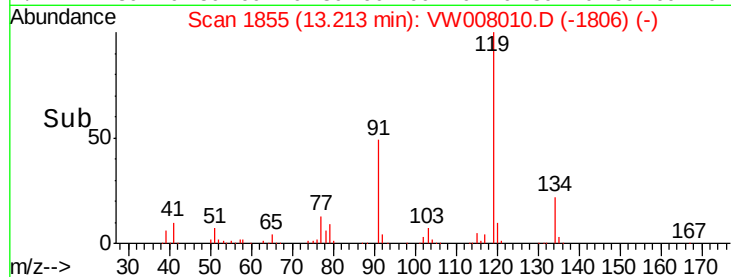
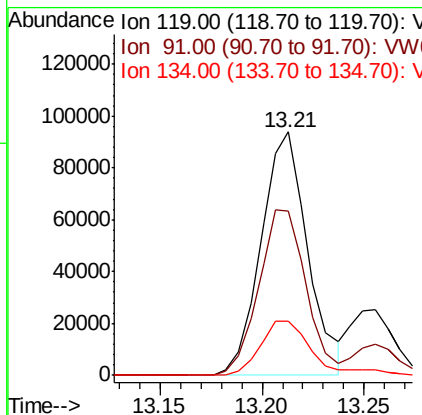
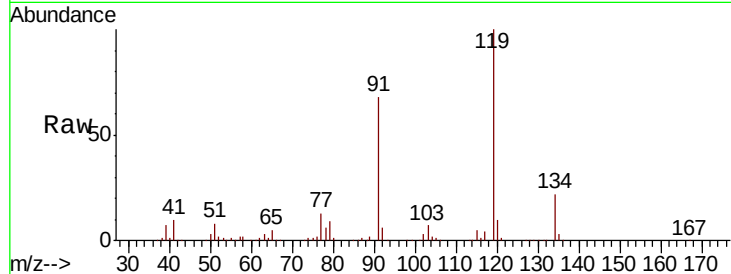
#83
tert-Butylbenzene
Concen: 49.045 ug/l
RT: 13.21 min Scan# 1855
Delta R.T. 0.00 min
Lab File: VW008010.D
Acq: 02 Jan 2019 15:57

Instrument :
MSVOA_W
ClientSampleId :
ICVW010219

Tot Ion	Ratio	Resp	Lower	Upper
119	100	149342		
91	69.2	34.7	104.1	
134	25.1	11.5	34.4	

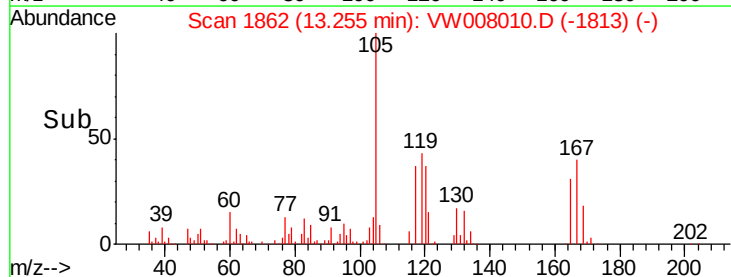
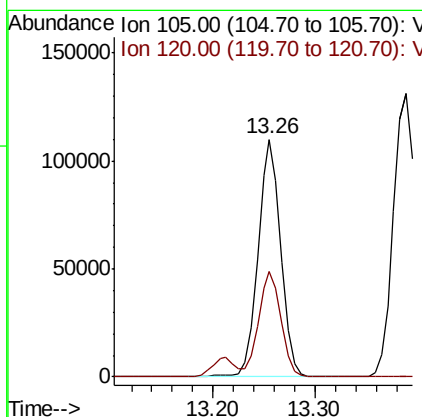
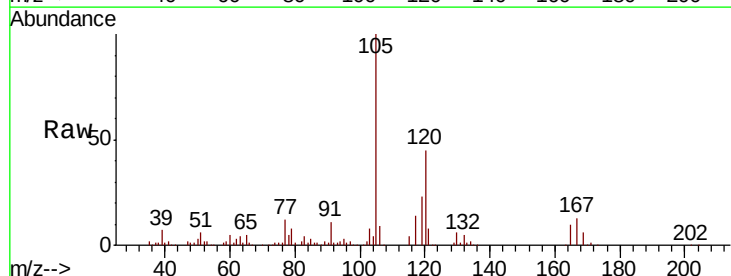
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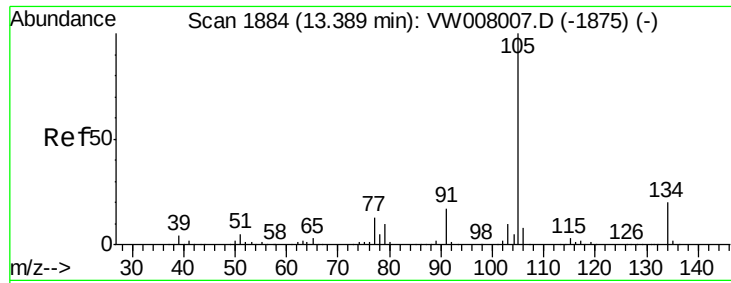
MMDadoda
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#84
1,2,4-Trimethylbenzene
Concen: 48.240 ug/l
RT: 13.26 min Scan# 1862
Delta R.T. 0.00 min
Lab File: VW008010.D
Acq: 02 Jan 2019 15:57

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	170056		
120	43.6	21.5	64.5	





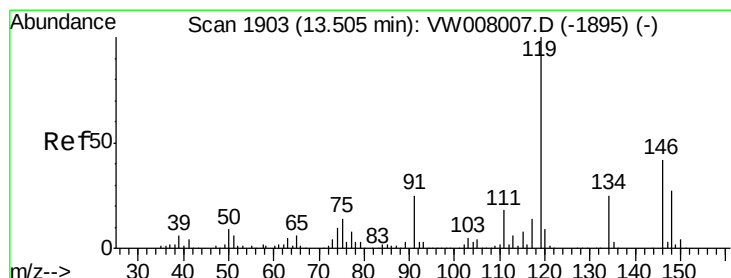
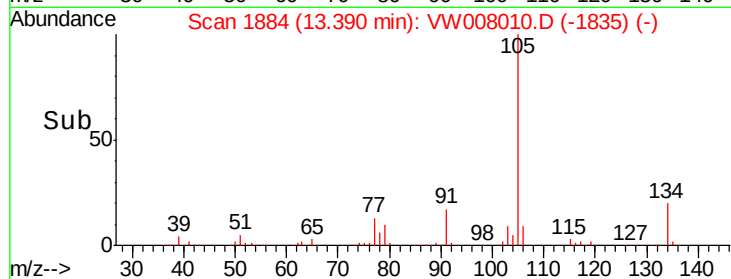
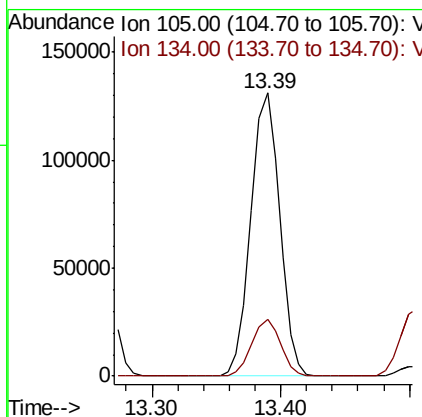
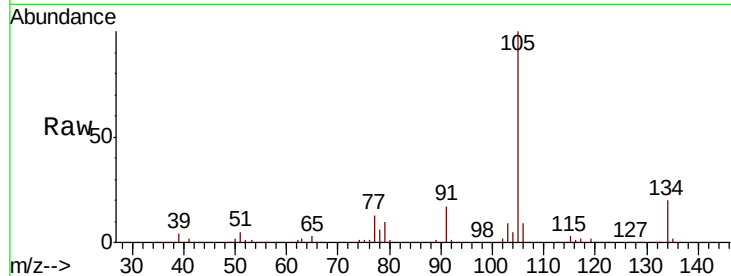
#85
 sec-Butylbenzene
 Concen: 48.476 ug/l
 RT: 13.39 min Scan# 1884
 Delta R.T. 0.00 min
 Lab File: VW008010.D
 Acq: 02 Jan 2019 15:57

Instrument :
 MSVOA_W
 ClientSampled :
 ICVVW010219

Tot Ion	Ratio	Lower	Upper
105	100		
134	20.0	9.7	28.9

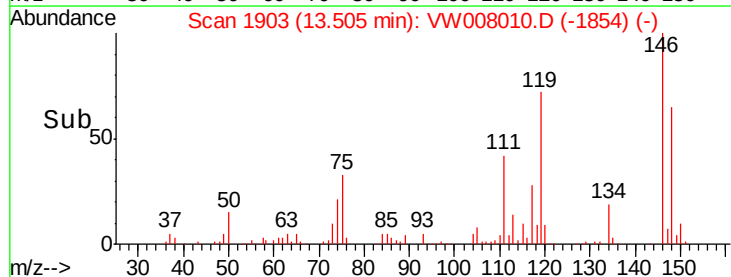
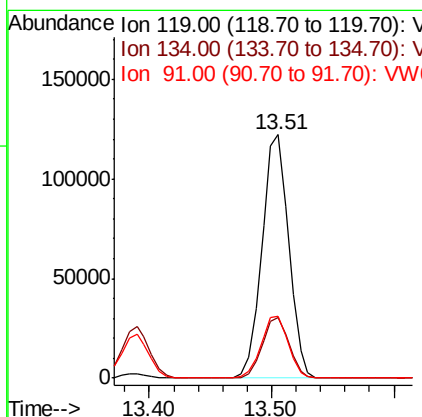
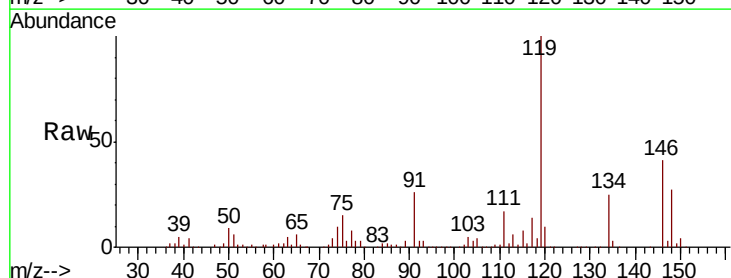
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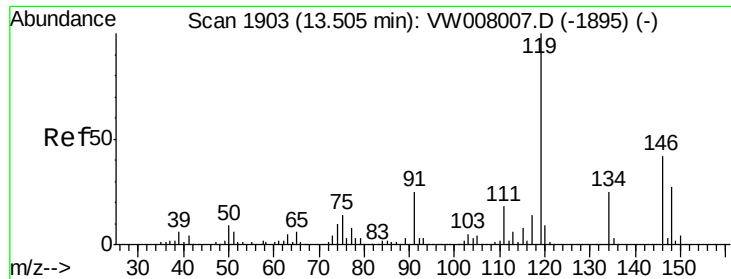
MMDadoda
 1/3/2019 10:55:41 AM



#86
 p-Isopropyltoluene
 Concen: 49.304 ug/l
 RT: 13.51 min Scan# 1903
 Delta R.T. 0.00 min
 Lab File: VW008010.D
 Acq: 02 Jan 2019 15:57

Tgt Ion	Ratio	Lower	Upper
119	100		
134	25.0	12.5	37.5
91	25.9	13.1	39.3





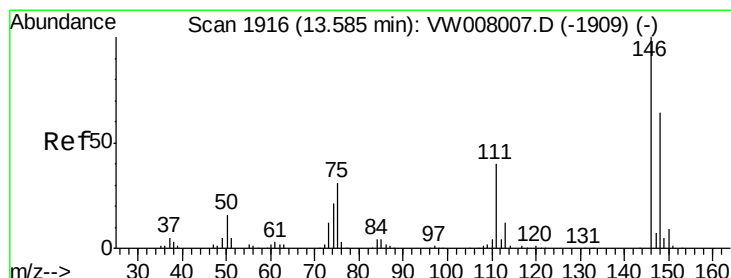
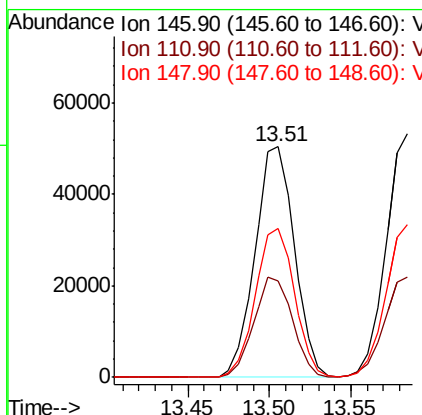
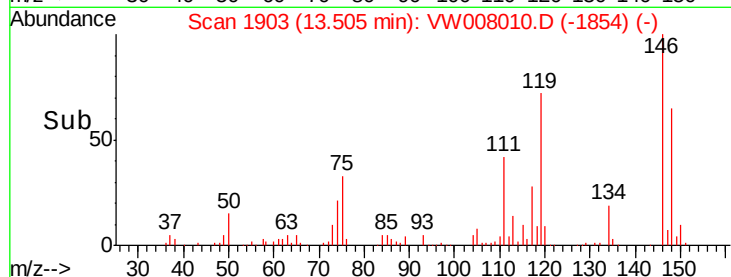
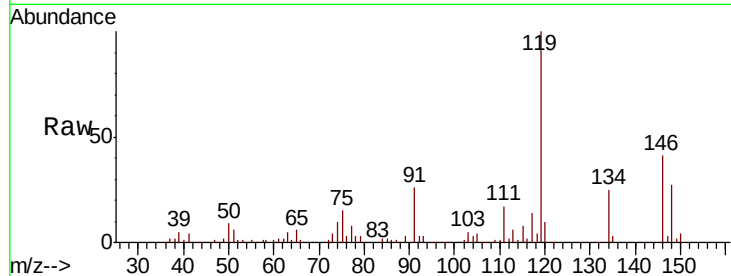
#87
 1,3-Dichlorobenzene
 Concen: 48.166 ug/l
 RT: 13.51 min Scan# 1903
 Delta R.T. 0.00 min
 Lab File: VW008010.D
 Acq: 02 Jan 2019 15:57

Instrument :
 MSVOA_W
 ClientSampleId :
 ICVVW010219

Tot Ion	Ratio	Lower	Upper
146	100		
111	42.8	21.4	64.2
148	64.0	31.9	95.5

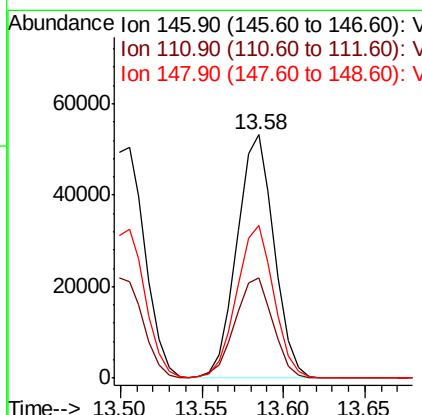
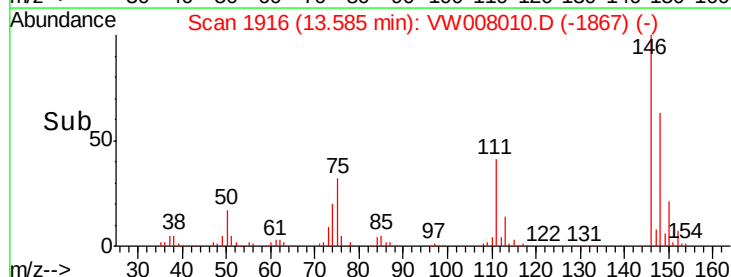
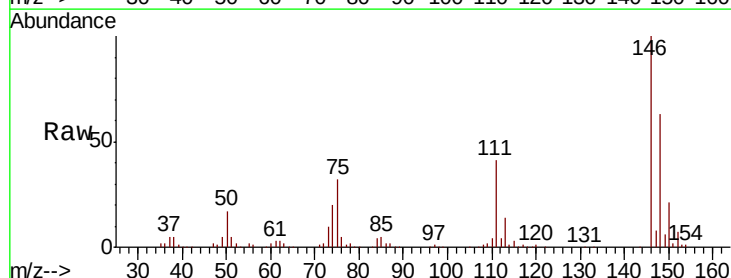
Manual Integrations
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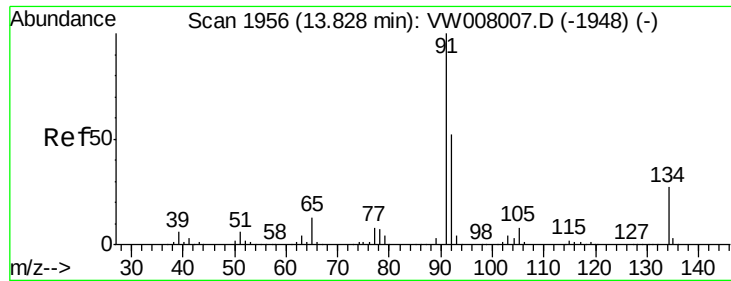
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#88
 1,4-Dichlorobenzene
 Concen: 48.615 ug/l
 RT: 13.58 min Scan# 1916
 Delta R.T. 0.00 min
 Lab File: VW008010.D
 Acq: 02 Jan 2019 15:57

Tgt Ion	Ratio	Lower	Upper
146	100		
111	42.2	20.9	62.8
148	62.9	31.9	95.9





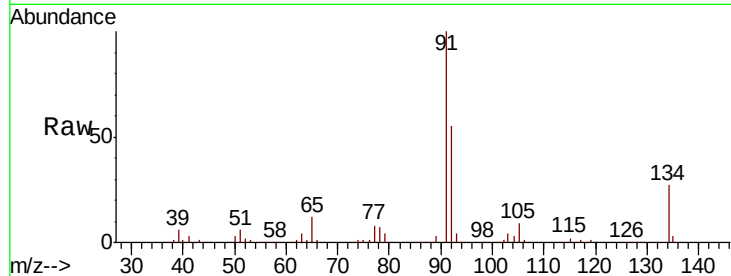
#89
n-Butylbenzene
Concen: 48.331 ug/l
RT: 13.83 min Scan# 1956
Delta R.T. 0.00 min
Lab File: VW008010.D
Acq: 02 Jan 2019 15:57

Instrument :
MSVOA_W
ClientSampleId :
ICVW010219

Tot Ion	Ratio	Lower	Upper
91	100		
92	54.0	26.4	79.2
134	26.7	13.4	40.2

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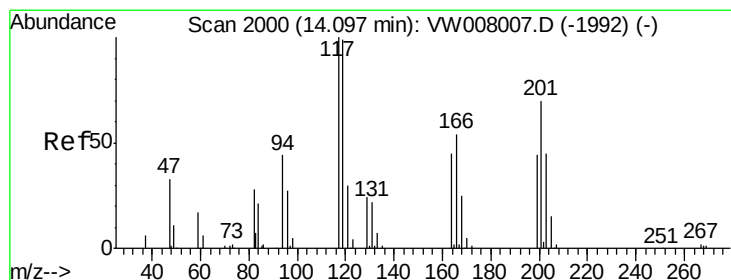
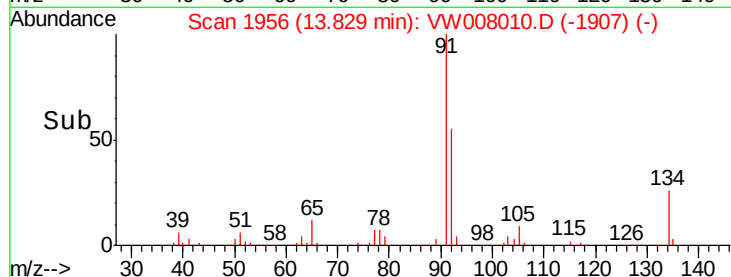
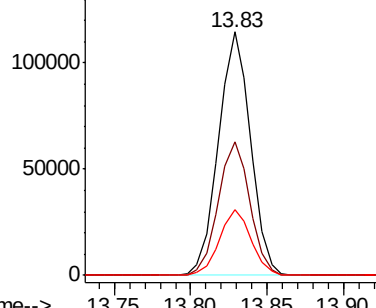


Abundance

Ion 91.00 (90.70 to 91.70): VW

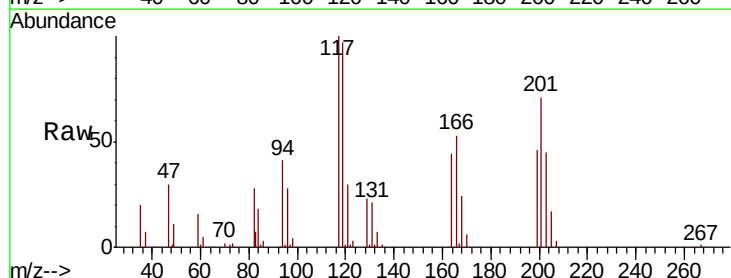
Ion 92.00 (91.70 to 92.70): VW

Ion 134.00 (133.70 to 134.70): V



#90
Hexachloroethane
Concen: 48.133 ug/l
RT: 14.10 min Scan# 2000
Delta R.T. 0.00 min
Lab File: VW008010.D
Acq: 02 Jan 2019 15:57

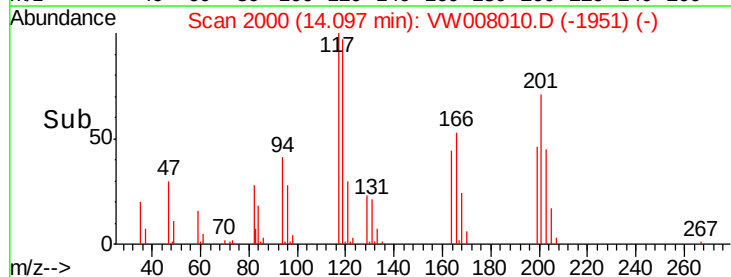
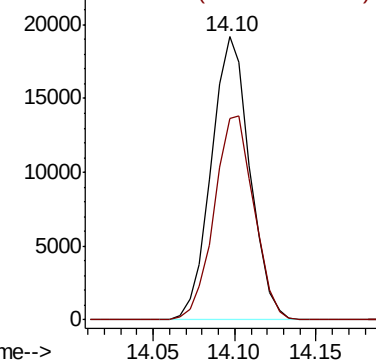
Tgt Ion	Ratio	Lower	Upper
117	100		
201	74.4	37.1	111.5

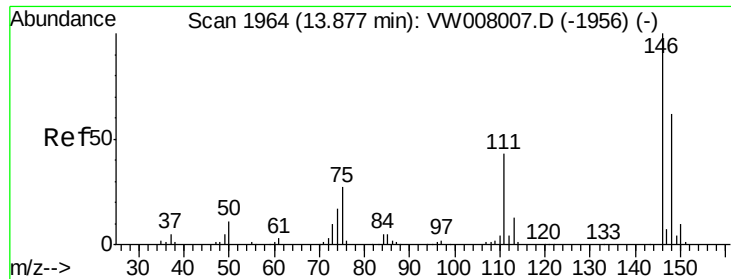


Abundance

Ion 116.80 (116.50 to 117.50): V

Ion 200.70 (200.40 to 201.40): V





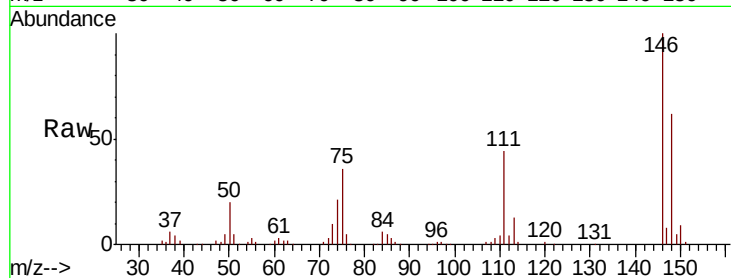
#91
 1,2-Dichlorobenzene
 Concen: 47.711 ug/l
 RT: 13.87 min Scan# 1963
 Delta R.T. -0.01 min
 Lab File: VW008010.D
 Acq: 02 Jan 2019 15:57

Instrument :
 MSVOA_W
 ClientSampleId :
 ICVVW010219

Tot Ion	Ratio	Lower	Upper
146	100		
111	43.9	22.6	67.7
148	64.1	32.1	96.3

Manual Integrations
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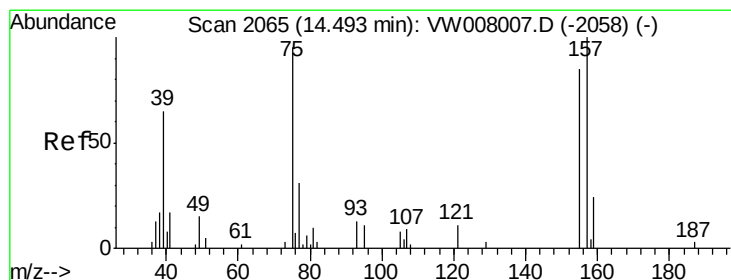
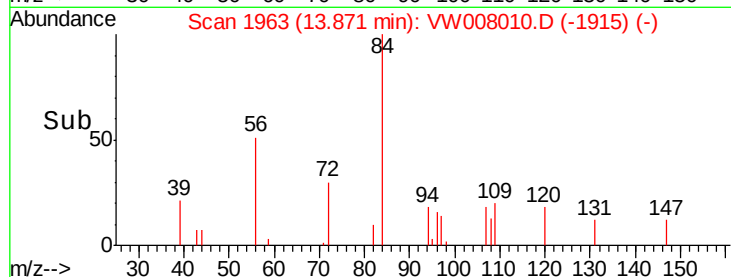
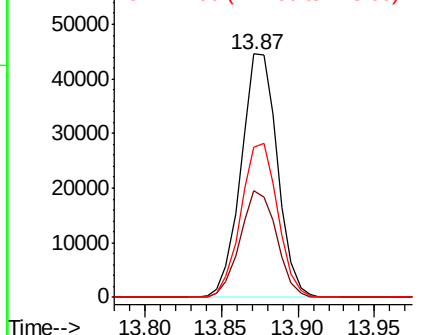


Abundance

Ion 145.90 (145.60 to 146.60): V

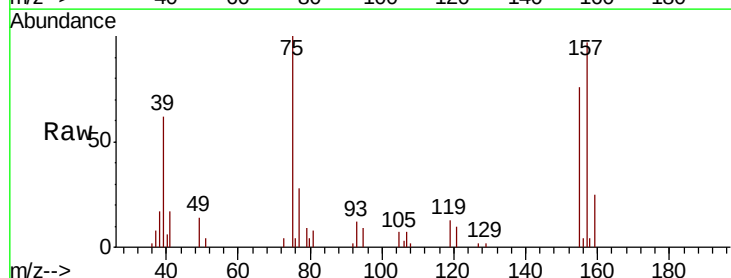
Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 50.404 ug/l
 RT: 14.49 min Scan# 2065
 Delta R.T. 0.00 min
 Lab File: VW008010.D
 Acq: 02 Jan 2019 15:57

Tgt Ion	Ratio	Lower	Upper
75	100		
155	79.3	42.4	127.1
157	100.5	52.3	156.8

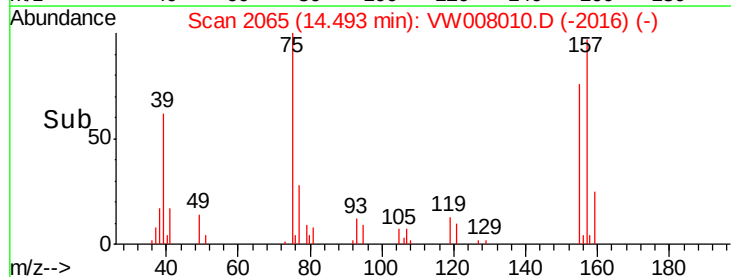
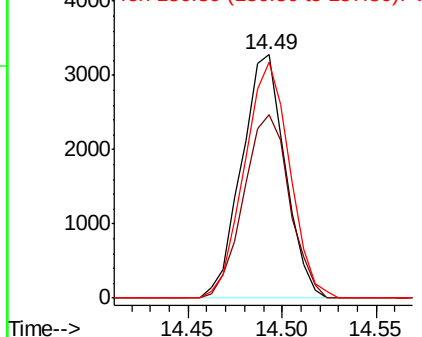


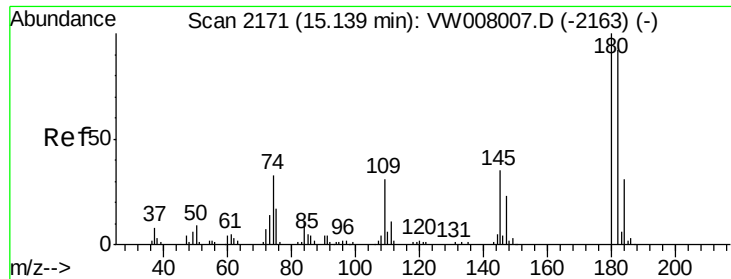
Abundance

Ion 74.90 (74.60 to 75.60): V

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V





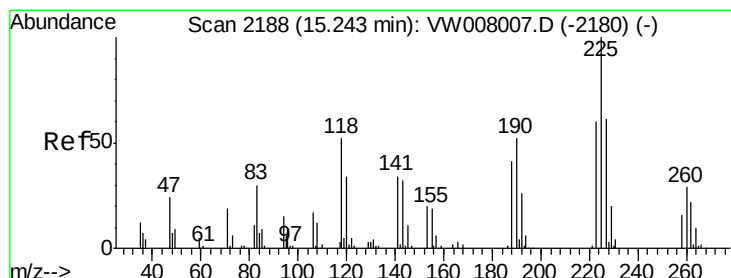
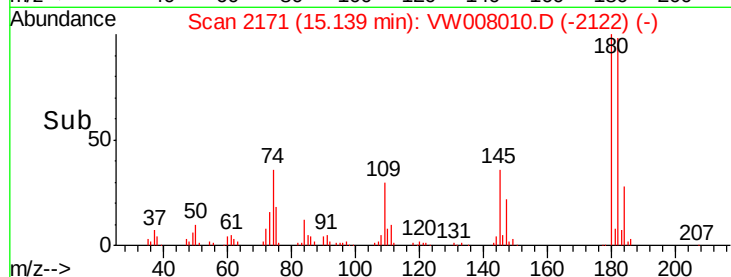
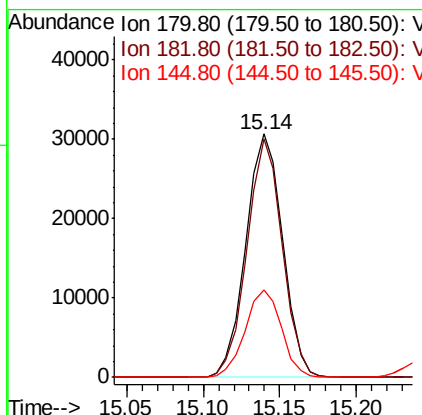
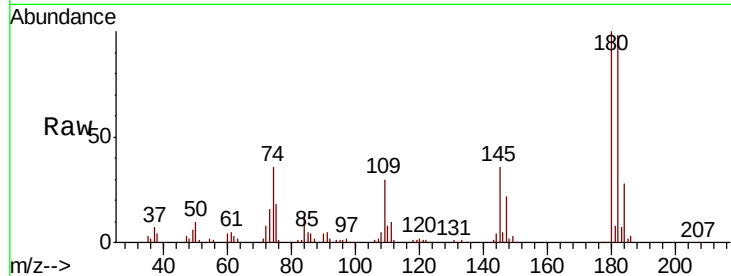
#93
1,2,4-Trichlorobenzene
Concen: 47.414 ug/l
RT: 15.14 min Scan# 2171
Delta R.T. 0.00 min
Lab File: VW008010.D
Acq: 02 Jan 2019 15:57

Instrument :
MSVOA_W
ClientSampleId :
ICVW010219

Tot Ion	Ratio	Lower	Upper
180	100		
182	93.9	46.6	139.8
145	35.3	17.2	51.6

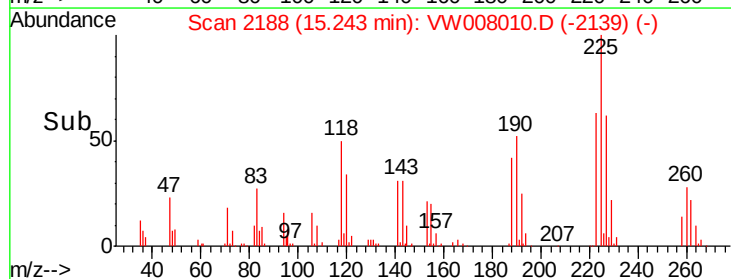
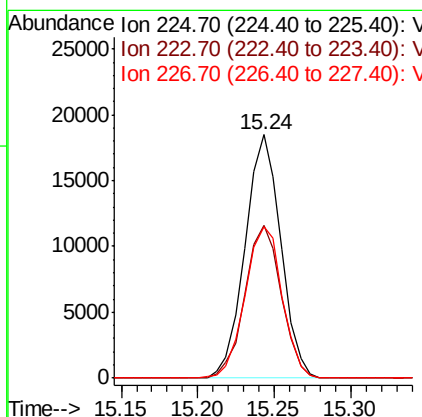
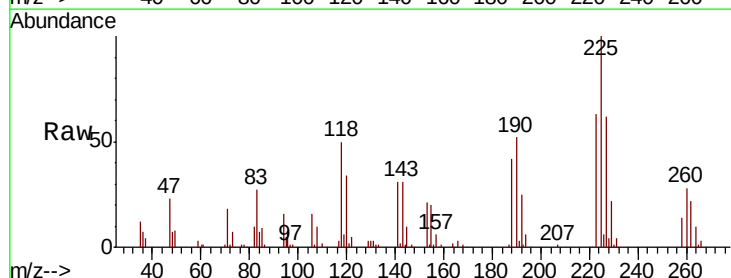
Manual Integrations
APPROVED

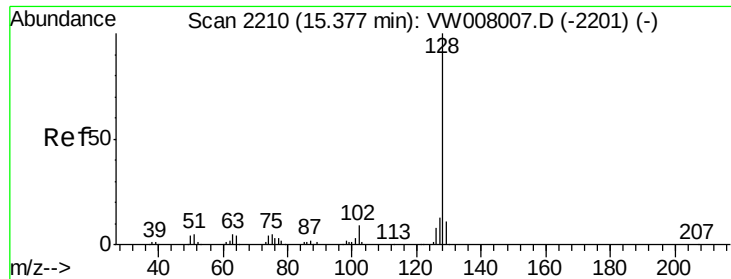
MMDadoda
1/3/2019 10:55:41 AM



#94
Hexachlorobutadiene
Concen: 48.002 ug/l
RT: 15.24 min Scan# 2188
Delta R.T. 0.00 min
Lab File: VW008010.D
Acq: 02 Jan 2019 15:57

Tgt Ion	Ratio	Lower	Upper
225	100		
223	63.9	30.6	92.0
227	64.3	31.3	93.8





#95

Naphthalene

Concen: 49.774 ug/l

RT: 15.38 min Scan# 2210

Delta R.T. 0.00 min

Lab File: VW008010.D

Acq: 02 Jan 2019 15:57

Instrument :

MSVOA_W

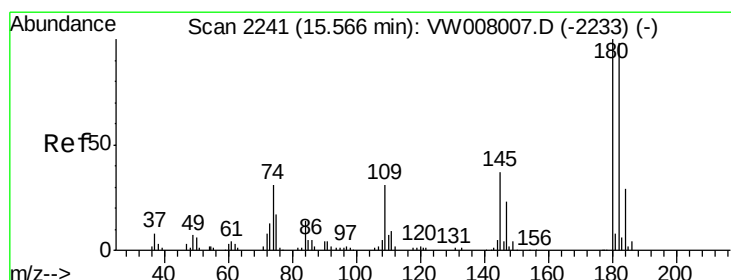
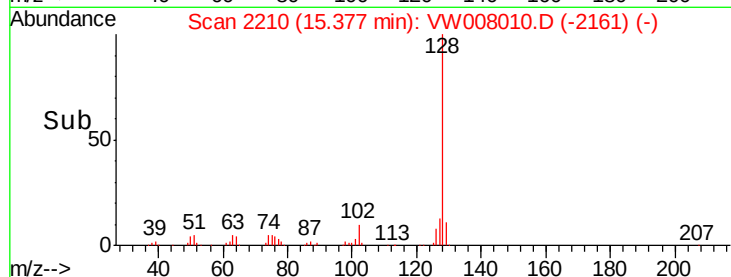
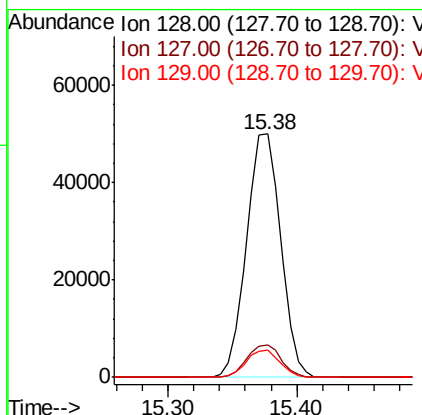
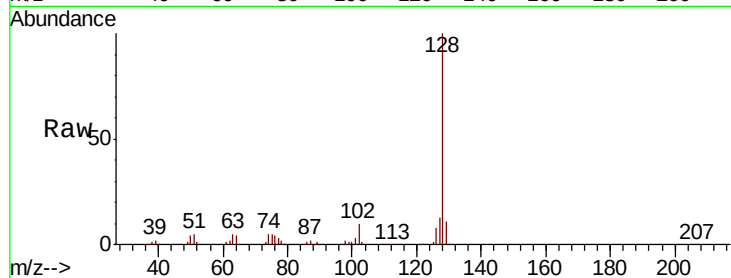
ClientSampleId :

ICVW010219

Tot Ion:	128	Resp:	91742
Ion	Ratio	Lower	Upper
128	100		
127	13.4	10.8	16.2
129	11.0	8.8	13.2

Manual Integrations
APPROVED

MMDadoda
1/3/2019 10:55:41 AM



#96

1,2,3-Trichlorobenzene

Concen: 48.150 ug/l

RT: 15.56 min Scan# 2240

Delta R.T. -0.01 min

Lab File: VW008010.D

Acq: 02 Jan 2019 15:57

Tgt Ion:	180	Resp:	42878
Ion	Ratio	Lower	Upper
180	100		
182	95.0	47.9	143.8
145	38.1	18.7	56.1

