

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW010219\
 Data File : VW008008.D
 Acq On : 02 Jan 2019 14:36
 Operator : SY/AP
 Sample : VSTDICC100
 Misc : 5.00G/5ML/MSVOA W/SOIL
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDICC100

Manual Integrations
 APPROVED

MMDadoda
 1/3/2019 10:55:32 AM

Quant Time: Jan 03 05:00:04 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W010219S.M
 Quant Title : SW846 8260
 QLast Update : Thu Jan 03 04:40:01 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	70292	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	110147	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	101074	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	48832	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.31	65	75948	97.69	ug/l	0.00
Spiked Amount	50.000		Recovery	=	195.38%	
35) Dibromofluoromethane	7.88	113	67625	97.39	ug/l	0.00
Spiked Amount	50.000		Recovery	=	194.78%	
50) Toluene-d8	10.32	98	254108	97.56	ug/l	0.00
Spiked Amount	50.000		Recovery	=	195.12%	
62) 4-Bromofluorobenzene	12.62	95	97034	97.14	ug/l	0.00
Spiked Amount	50.000		Recovery	=	194.28%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.01	85	69623	106.385	ug/l	91
3) Chloromethane	2.22	50	49936	104.351	ug/l	100
4) Vinyl Chloride	2.37	62	62257	100.732	ug/l	96
5) Bromomethane	2.78	94	39505	100.608	ug/l	94
6) Chloroethane	2.93	64	32143	101.753	ug/l	99
7) Trichlorofluoromethane	3.26	101	66200	106.704	ug/l	99
8) Diethyl Ether	3.68	74	32578	102.236	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	4.06	101	75669	102.633	ug/l	98
10) Methyl Iodide	4.26	142	121993	102.849	ug/l	99
11) Tert butyl alcohol	5.17	59	23657	468.359	ug/l	97
12) 1,1-Dichloroethene	4.04	96	71838	101.794	ug/l	92
13) Acrolein	3.89	56	16179	472.748	ug/l	97
14) Allyl chloride	4.67	41	98292	102.807	ug/l	99
15) Acrylonitrile	5.37	53	60756	518.387	ug/l	99
16) Acetone	4.12	43	58342	484.772	ug/l	99
17) Carbon Disulfide	4.37	76	226081	104.874	ug/l	99
18) Methyl Acetate	4.67	43	32934	105.521	ug/l	100
19) Methyl tert-butyl Ether	5.43	73	111243	100.163	ug/l	96
20) Methylene Chloride	4.91	84	70884	85.394	ug/l	98
21) trans-1,2-Dichloroethene	5.42	96	78328	102.011	ug/l	97
22) Diisopropyl ether	6.32	45	177104	103.202	ug/l	97
23) Vinyl Acetate	6.26	43	503003	523.880	ug/l	99
24) 1,1-Dichloroethane	6.21	63	130212	102.123	ug/l	98
25) 2-Butanone	7.17	43	71504	504.269	ug/l	99
26) 2,2-Dichloropropane	7.17	77	102717	97.779	ug/l	99
27) cis-1,2-Dichloroethene	7.17	96	83015	101.497	ug/l	98
28) Bromochloromethane	7.51	49	40667	99.231	ug/l #	98
29) Tetrahydrofuran	7.53	42	44700	507.507	ug/l	97
30) Chloroform	7.68	83	147463	103.192	ug/l	98
31) Cyclohexane	7.95	56	115840	97.475	ug/l	99
32) 1,1,1-Trichloroethane	7.87	97	138675	101.416	ug/l	99
36) 1,1-Dichloropropene	8.09	75	112364	103.413	ug/l	99
37) Ethyl Acetate	7.25	43	34247	104.931	ug/l	100
38) Carbon Tetrachloride	8.07	117	135391	103.974	ug/l	96

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.34	83	141585	104.538	ug/l	96
40) Benzene	8.32	78	295284	103.014	ug/l	99
41) Methacrylonitrile	7.48	41	19786	98.392	ug/l	92
42) 1,2-Dichloroethane	8.40	62	99722	104.415	ug/l	99
43) Isopropyl Acetate	8.43	43	68971	105.764	ug/l	99
44) Trichloroethene	9.09	130	86388	102.130	ug/l	98
45) 1,2-Dichloropropane	9.37	63	63201	101.864	ug/l	99
46) Dibromomethane	9.46	93	37421	103.159	ug/l	98
47) Bromodichloromethane	9.65	83	104829	103.176	ug/l	95
48) Methyl methacrylate	9.43	41	34389	104.586	ug/l	99
49) 1,4-Dioxane	9.45	88	11078	2063.640	ug/l	96
51) 4-Methyl-2-Pentanone	10.21	43	153086	507.138	ug/l	100
52) Toluene	10.39	92	192843	101.907	ug/l	99
53) t-1,3-Dichloropropene	10.61	75	103765	106.209	ug/l	99
54) cis-1,3-Dichloropropene	10.07	75	114251	104.798	ug/l	99
55) 1,1,2-Trichloroethane	10.79	97	50745	103.320	ug/l	98
56) Ethyl methacrylate	10.65	69	59760	107.629	ug/l	99
57) 1,3-Dichloropropane	10.93	76	85722	102.717	ug/l	97
58) 2-Chloroethyl Vinyl ether	9.93	63	129747	492.720	ug/l	100
59) 2-Hexanone	10.97	43	108211	519.265	ug/l	100
60) Dibromochloromethane	11.13	129	71252	105.984	ug/l	99
61) 1,2-Dibromoethane	11.24	107	51314	104.402	ug/l	98
64) Tetrachloroethene	10.86	164	70769	101.362	ug/l	99
65) Chlorobenzene	11.66	112	220343	102.003	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.73	131	80429	102.815	ug/l	97
67) Ethyl Benzene	11.73	91	391072	101.995	ug/l	99
68) m/p-Xylenes	11.84	106	300672	202.836	ug/l	98
69) o-Xylene	12.17	106	140334	101.742	ug/l	98
70) Styrene	12.18	104	233457	103.844	ug/l	99
71) Bromoform	12.35	173	37951	104.714	ug/l #	99
73) Isopropylbenzene	12.47	105	406190	104.607	ug/l	99
74) N-amyl acetate	12.27	43	63785	105.528	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.72	83	51104	103.436	ug/l	99
76) 1,2,3-Trichloropropane	12.77	75	41555m	61.092	ug/l	
77) Bromobenzene	12.75	156	86463	103.597	ug/l	97
78) n-propylbenzene	12.81	91	469150	104.209	ug/l	99
79) 2-Chlorotoluene	12.90	91	272404	104.691	ug/l	99
80) 1,3,5-Trimethylbenzene	12.95	105	349682	104.621	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.52	75	18202	110.802	ug/l	98
82) 4-Chlorotoluene	12.99	91	288233	104.177	ug/l	99
83) tert-Butylbenzene	13.21	119	306927	104.959	ug/l	99
84) 1,2,4-Trimethylbenzene	13.26	105	347799	102.733	ug/l	100
85) sec-Butylbenzene	13.39	105	415786	103.359	ug/l	99
86) p-Isopropyltoluene	13.51	119	376700	103.817	ug/l	100
87) 1,3-Dichlorobenzene	13.51	146	172312	102.323	ug/l	100
88) 1,4-Dichlorobenzene	13.58	146	169485	101.659	ug/l	99
89) n-Butylbenzene	13.83	91	342763	103.276	ug/l	99
90) Hexachloroethane	14.10	117	66414	105.485	ug/l	100
91) 1,2-Dichlorobenzene	13.88	146	151322	102.257	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.49	75	10958	109.278	ug/l	91

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QLast Update : Thu Jan 03 04:40:01 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.14	180	106318	102.294	ug/l	99
94) Hexachlorobutadiene	15.24	225	61690	102.798	ug/l	99
95) Naphthalene	15.38	128	189535	107.075	ug/l	99
96) 1,2,3-Trichlorobenzene	15.57	180	89091	104.176	ug/l	99

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

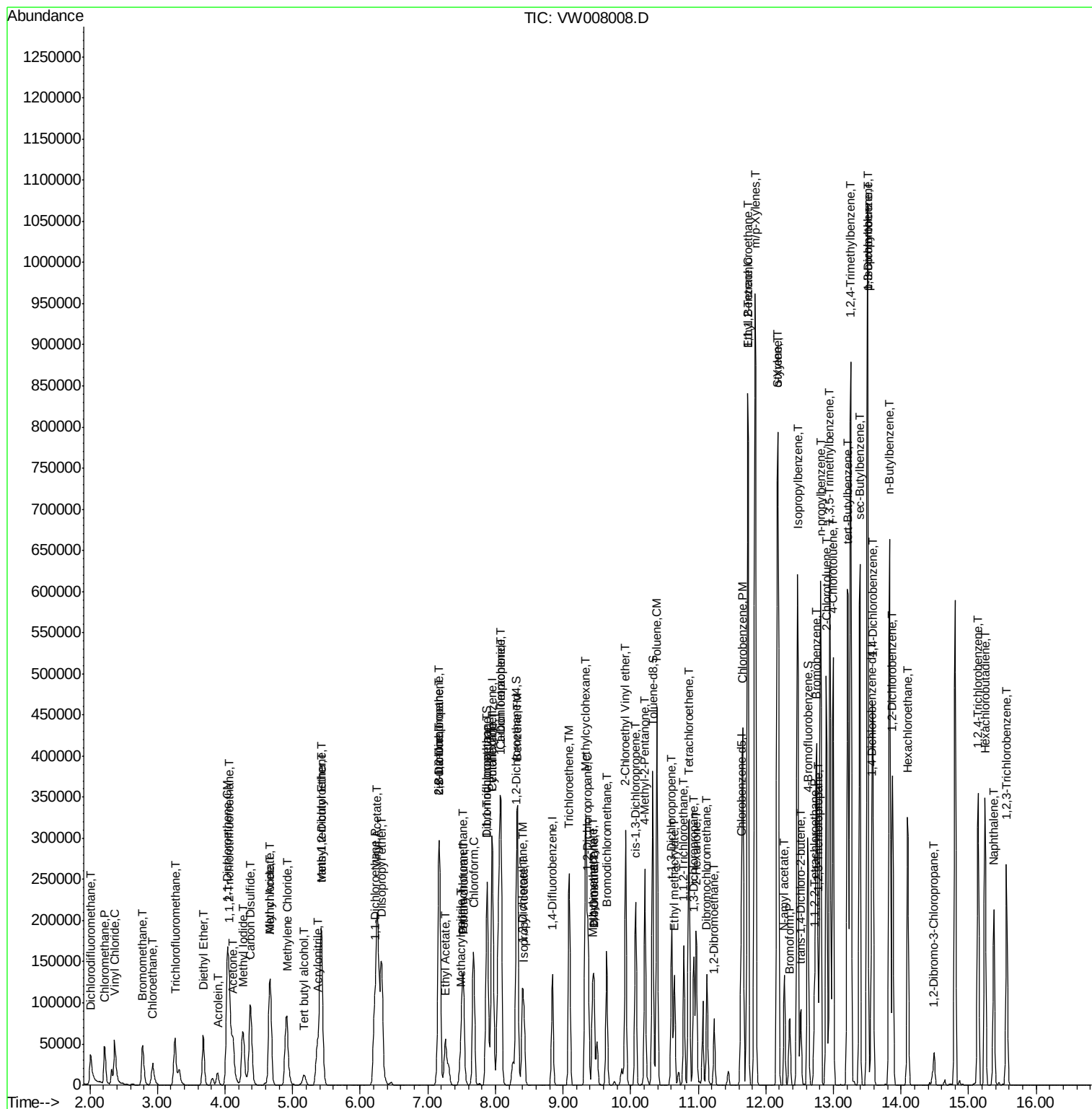
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Data File : VW008008.D
Acq On : 02 Jan 2019 14:36
Operator : SY/AP
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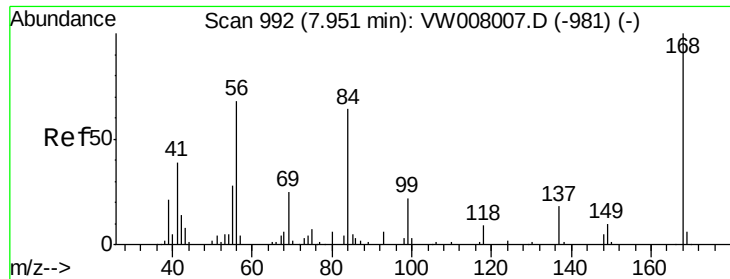
Instrument :
MSVOA_W
ClientSampleId :
VSTDIC100

Manual Integrations
APPROVED

MMDadoda
1/3/2019 10:55:32 AM

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Quant Title : SW846 8260
QLast Update : Thu Jan 03 04:40:01 2019
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 992

Delta R.T. 0.00 min

Lab File: VW008008.D

Acq: 02 Jan 2019 14:36

Instrument :

MSVOA_W

ClientSampled :

VSTDIC100

Tot Ion:168 Resp: 70292

Ion Ratio Lower Upper

168 100

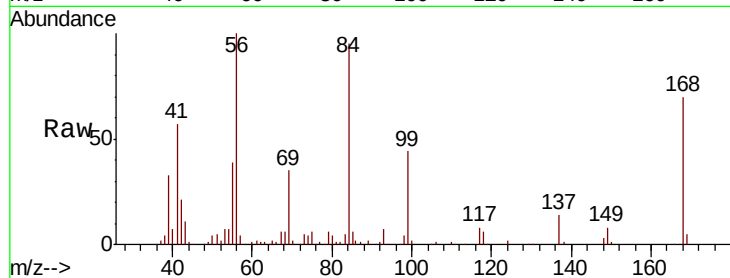
99 63.8 51.6 77.4

Manual Integrations

APPROVED

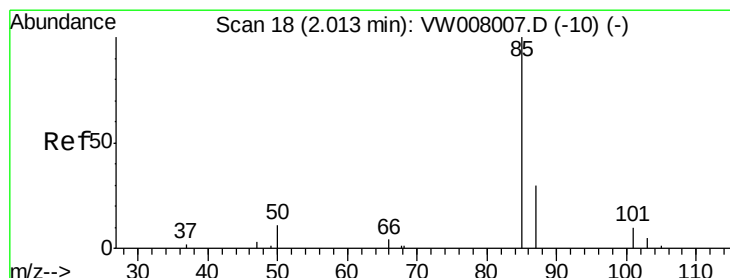
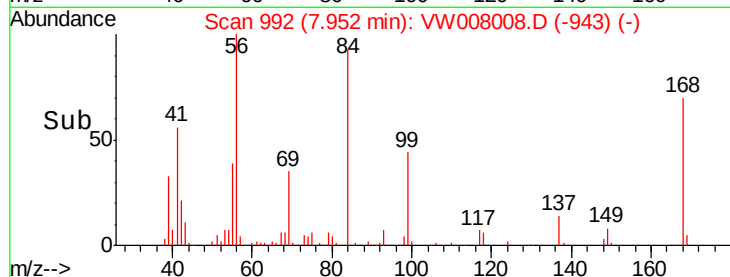
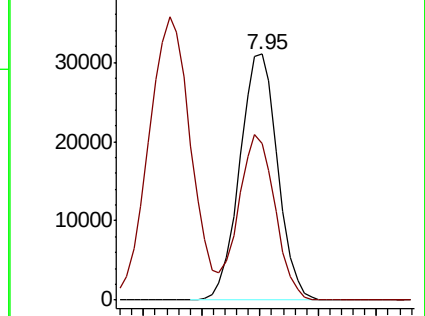
MMDadoda

1/3/2019 10:55:32 AM



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW



#2

Dichlorodifluoromethane

Concen: 106.385 ug/l

RT: 2.01 min Scan# 17

Delta R.T. -0.01 min

Lab File: VW008008.D

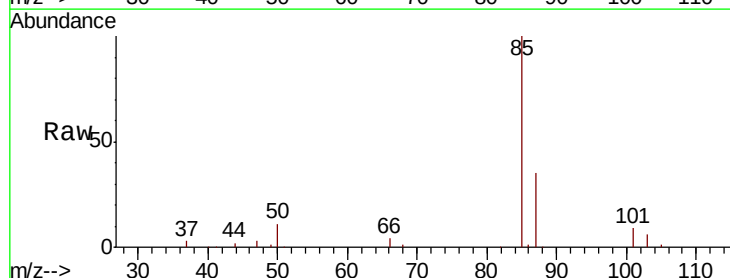
Acq: 02 Jan 2019 14:36

Tgt Ion: 85 Resp: 69623

Ion Ratio Lower Upper

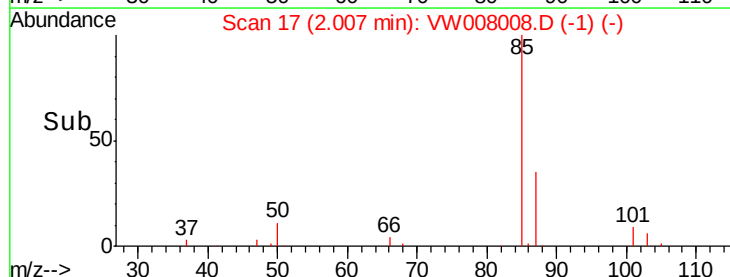
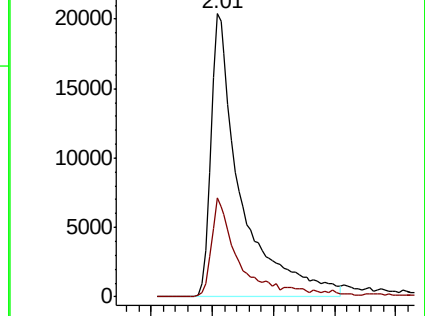
85 100

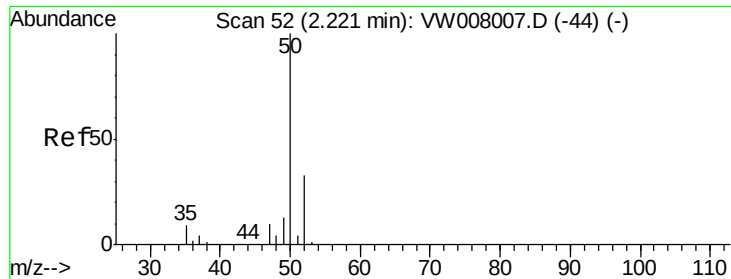
87 34.9 15.0 45.0



Abundance Ion 84.90 (84.60 to 85.60): VW

Ion 86.90 (86.60 to 87.60): VW





#3

Chloromethane

Concen: 104.351 ug/l

RT: 2.22 min Scan# 52

Delta R.T. 0.00 min

Lab File: VW008008.D

Acq: 02 Jan 2019 14:36

Instrument :

MSVOA_W

ClientSampleId :

VSTDICC100

Tot Ion: 50 Resp: 49936

Ion Ratio Lower Upper

50 100

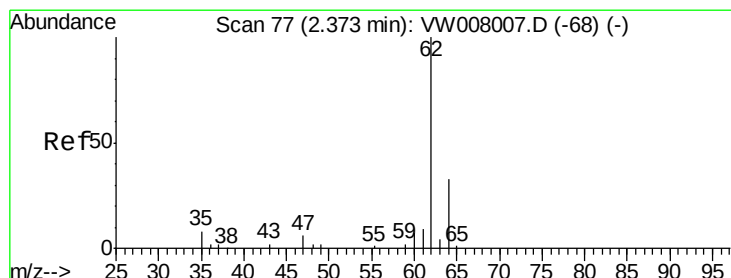
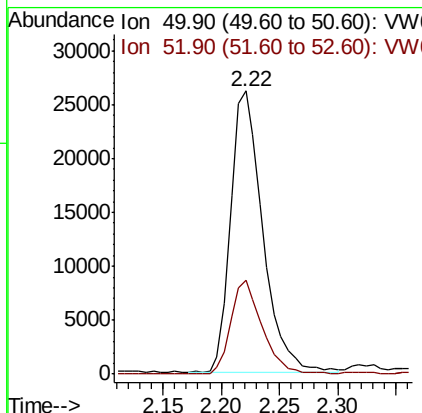
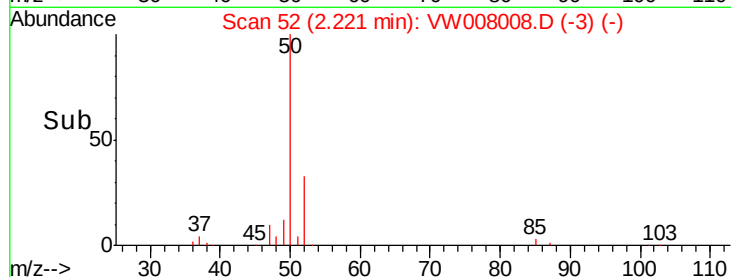
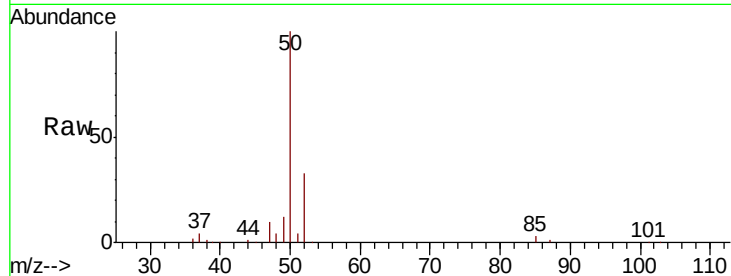
52 33.3 26.8 40.2

Manual Integrations

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1/3/2019 10:55:32 AM



#4

Vinyl Chloride

Concen: 100.732 ug/l

RT: 2.37 min Scan# 76

Delta R.T. -0.01 min

Lab File: VW008008.D

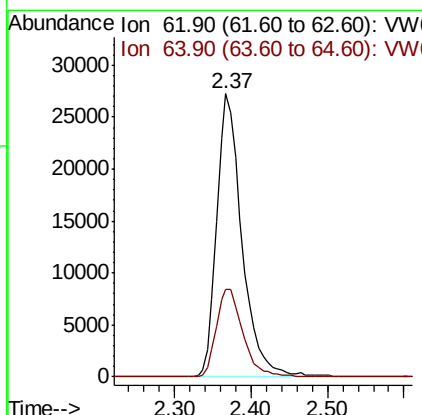
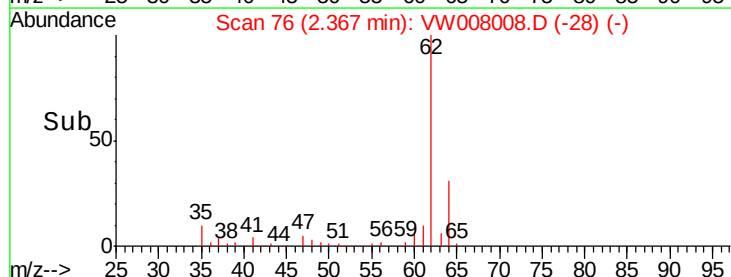
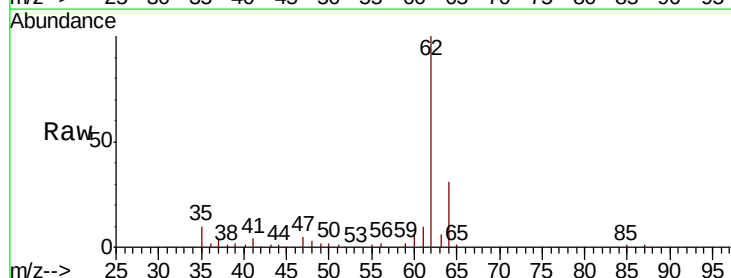
Acq: 02 Jan 2019 14:36

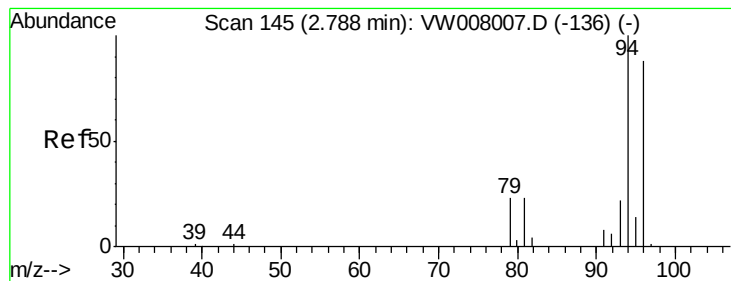
Tgt Ion: 62 Resp: 62257

Ion Ratio Lower Upper

62 100

64 30.9 26.8 40.2





#5

Bromomethane

Concen: 100.608 ug/l

RT: 2.78 min Scan# 144

Delta R.T. -0.01 min

Lab File: VW008008.D

Acq: 02 Jan 2019 14:36

Tot Ion: 94 Resp: 39505

Ion Ratio Lower Upper

94 100

96 93.6 70.7 106.1

Instrument :

MSVOA_W

ClientSampleId :

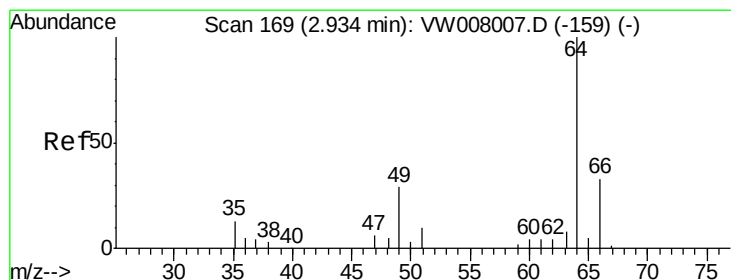
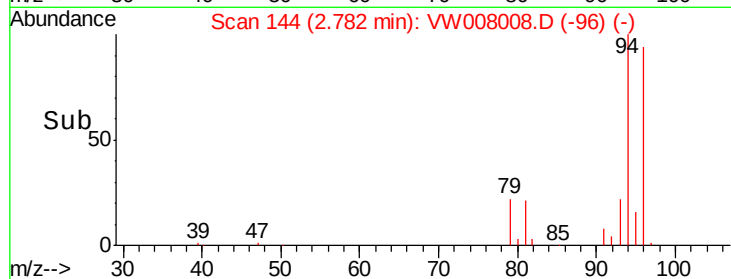
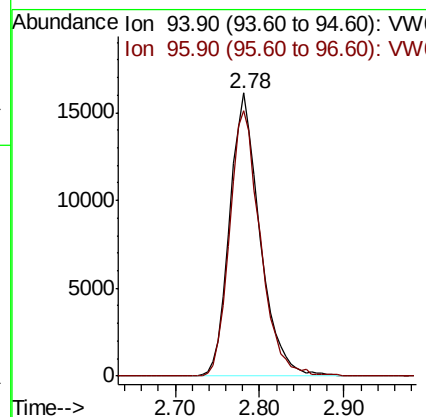
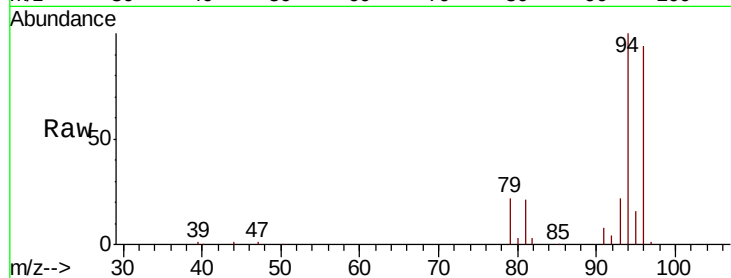
VSTDIC100

Manual Integrations

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#6

Chloroethane

Concen: 101.753 ug/l

RT: 2.93 min Scan# 168

Delta R.T. -0.01 min

Lab File: VW008008.D

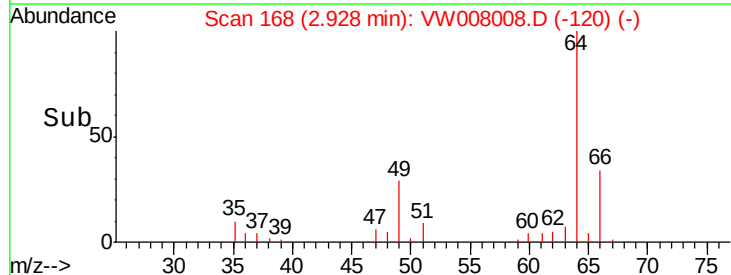
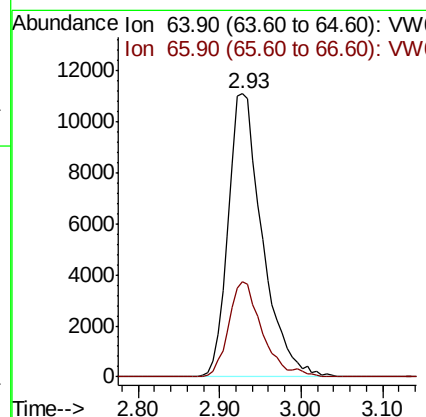
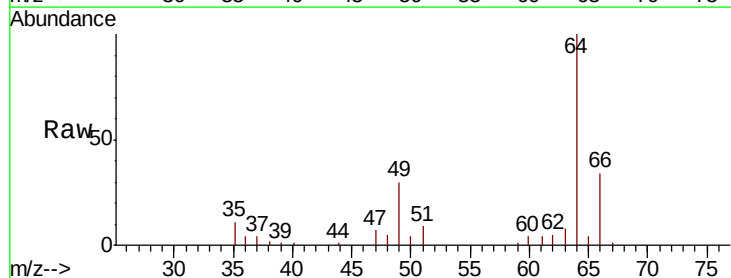
Acq: 02 Jan 2019 14:36

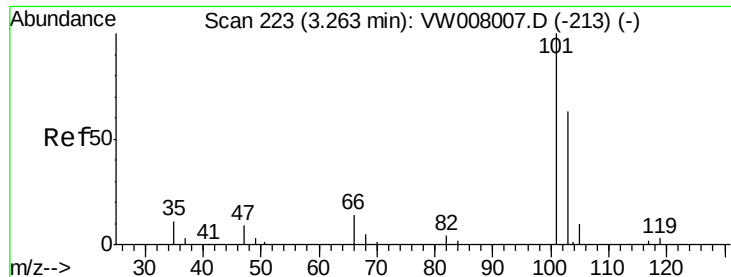
Tgt Ion: 64 Resp: 32143

Ion Ratio Lower Upper

64 100

66 33.6 26.6 39.8





#7

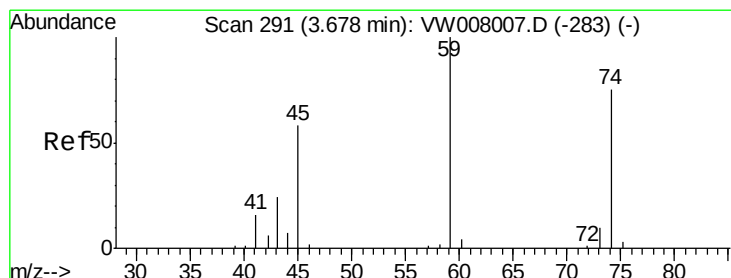
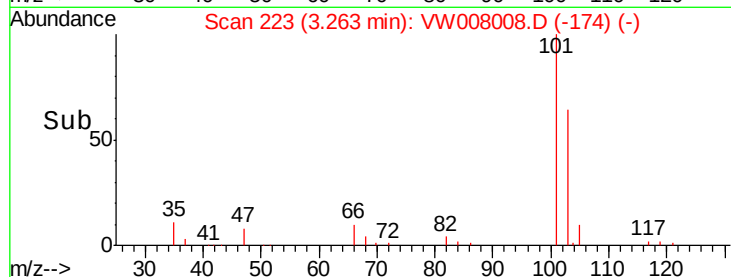
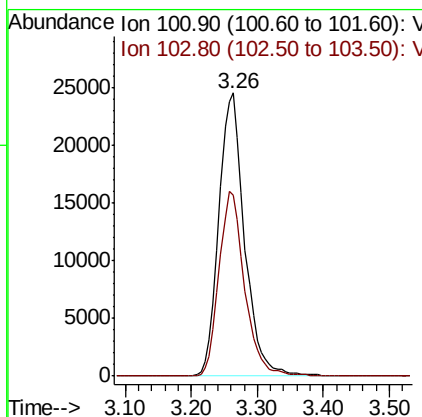
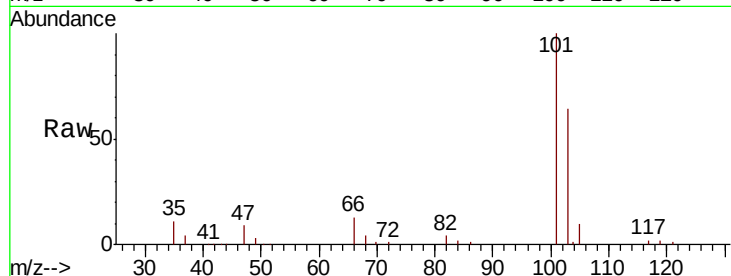
Trichlorofluoromethane
Concen: 106.704 ug/l
RT: 3.26 min Scan# 223
Delta R.T. 0.00 min
Lab File: VW008008.D
Acq: 02 Jan 2019 14:36

Instrument :
MSVOA_W
ClientSampled :
VSTDICC100

Tot Ion	Ion	Ratio	Resp	Lower	Upper
101	100		66200		
103	64.1	50.5	75.7		

Manual Integrations
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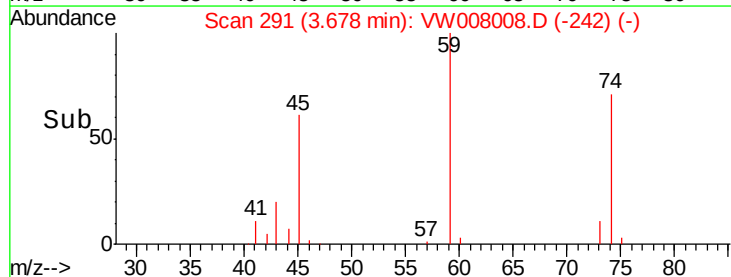
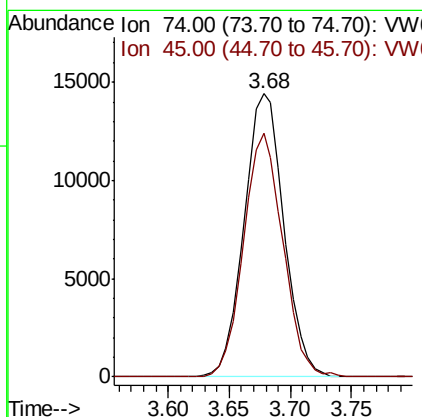
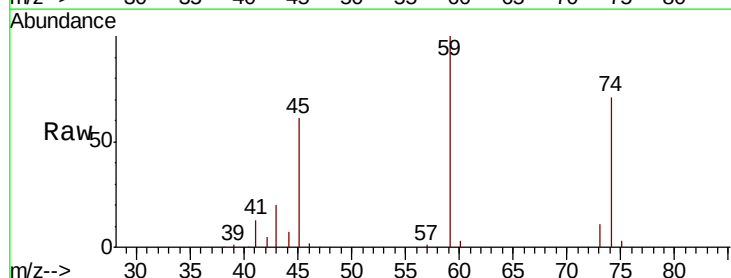
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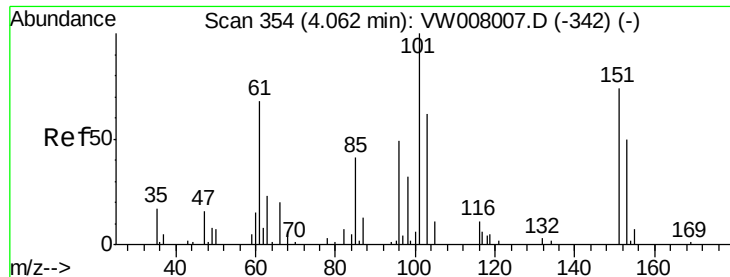


#8

Diethyl Ether
Concen: 102.236 ug/l
RT: 3.68 min Scan# 291
Delta R.T. 0.00 min
Lab File: VW008008.D
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Tgt Ion	Ion	Ratio	Resp	Lower	Upper
74	100		32578		
45	84.9	41.4	124.2		





#9

1,1,2-Trichlorotrifluoroethane

Concen: 102.633 ug/l

RT: 4.06 min Scan# 354

Delta R.T. 0.00 min

Lab File: VW008008.D

Acq: 02 Jan 2019 14:36

Instrument :

MSVOA_W

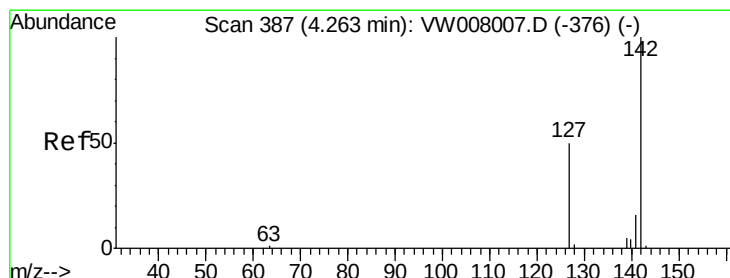
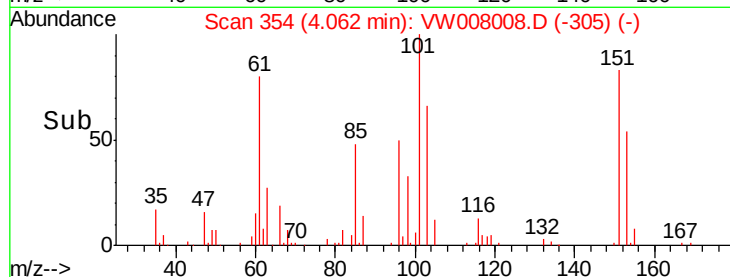
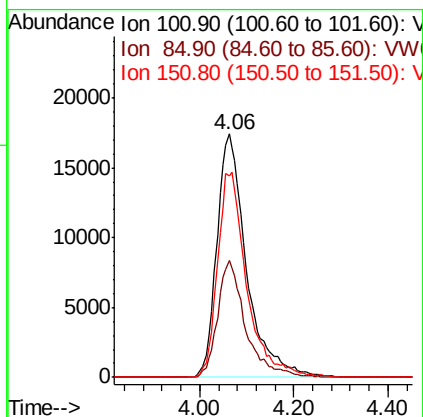
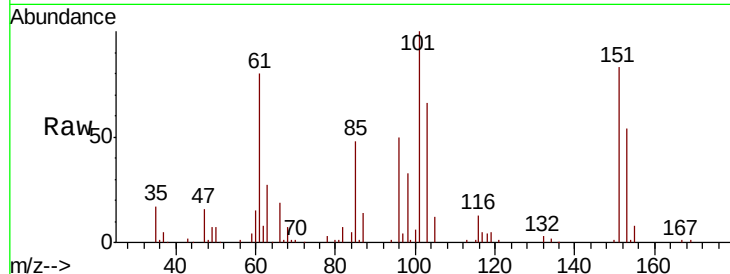
ClientSampled :

VSTDIC100

Tot Ion:	101	Resp:	75669
Ion Ratio	Lower	Upper	
101	100		
85	45.5	35.1	52.7
151	83.1	65.3	97.9

Manual Integrations
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#10

Methyl Iodide

Concen: 102.849 ug/l

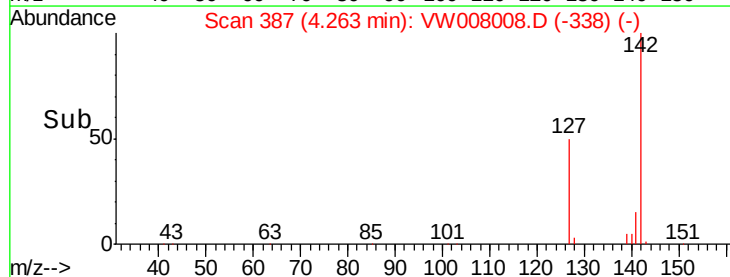
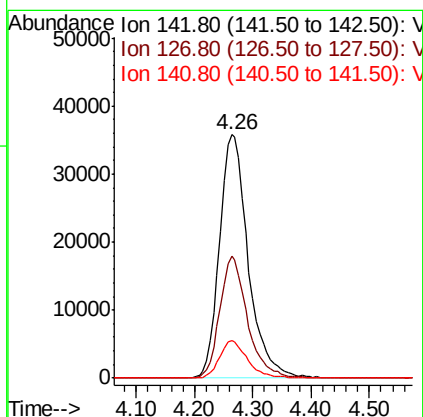
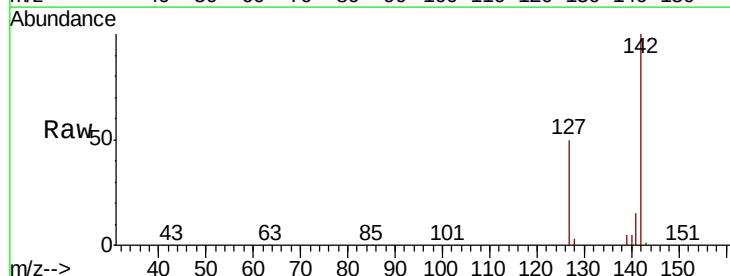
RT: 4.26 min Scan# 387

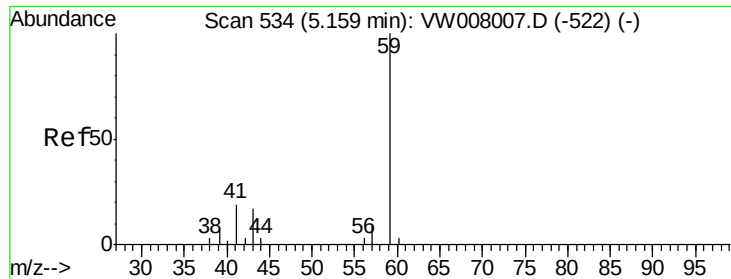
Delta R.T. 0.00 min

Lab File: VW008008.D

Acq: 02 Jan 2019 14:36

Tgt Ion:	142	Resp:	121993
Ion Ratio	Lower	Upper	
142	100		
127	48.2	39.4	59.0
141	15.0	12.1	18.1





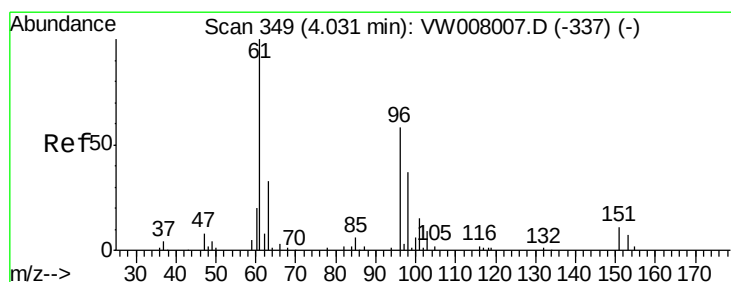
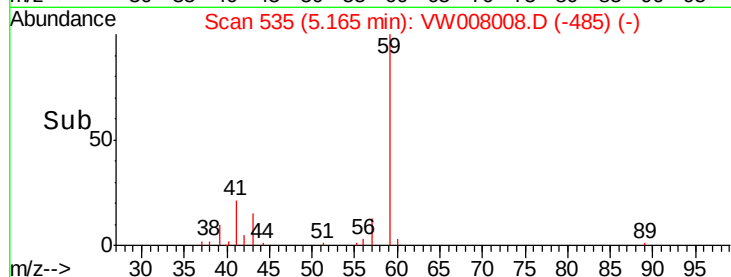
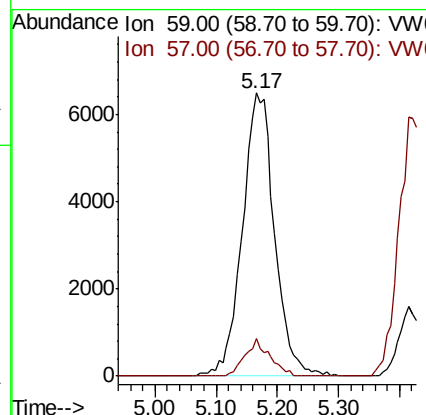
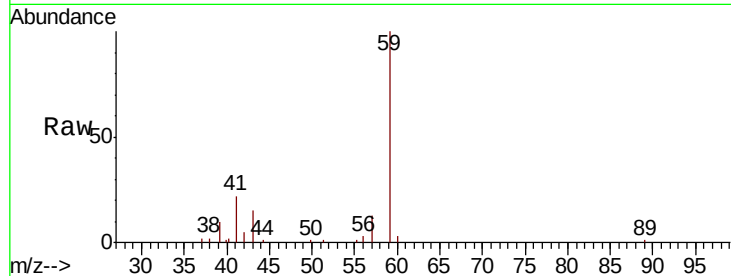
#11
Tert butyl alcohol
Concen: 468.359 ug/l
RT: 5.17 min Scan# 535
Delta R.T. 0.01 min
Lab File: VW008008.D
Acq: 02 Jan 2019 14:36

Instrument :
MSVOA_W
ClientSampleId :
VSTDICC100

Tot Ion	Ratio	Lower	Upper
59	100		
57	10.1	9.0	13.4

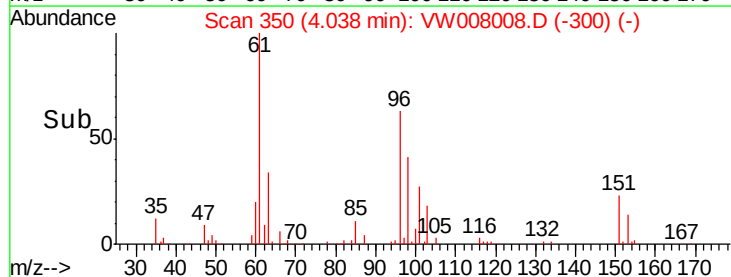
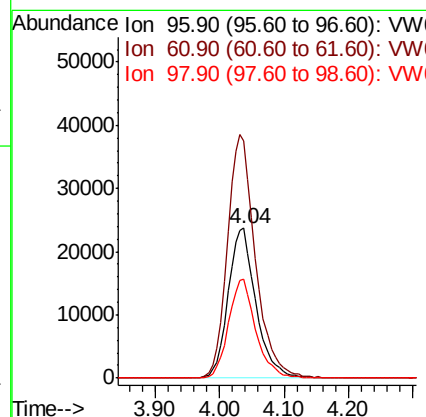
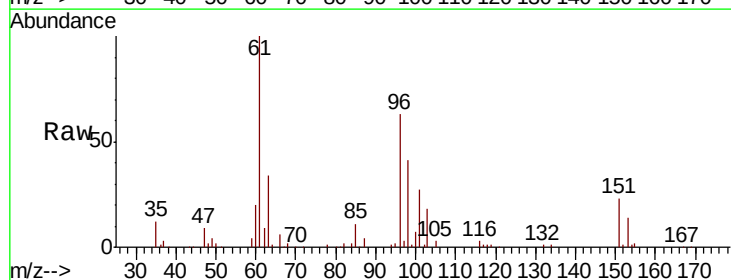
Manual Integrations
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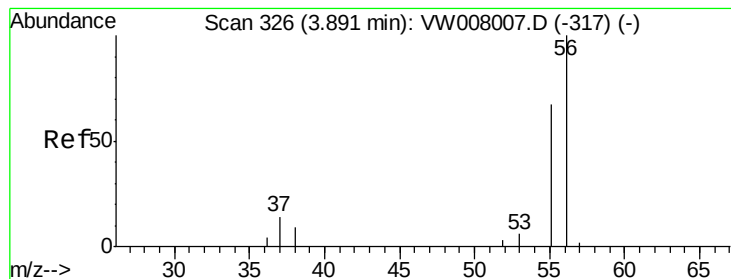
MMDadoda
1/3/2019 10:55:32 AM



#12
1,1-Dichloroethene
Concen: 101.794 ug/l
RT: 4.04 min Scan# 350
Delta R.T. 0.01 min
Lab File: VW008008.D
Acq: 02 Jan 2019 14:36

Tgt Ion	Ratio	Lower	Upper
96	100		
61	158.6	137.3	205.9
98	65.7	50.5	75.7





#13

Acrolein

Concen: 472.748 ug/l

RT: 3.89 min Scan# 326

Delta R.T. 0.00 min

Lab File: VW008008.D

Acq: 02 Jan 2019 14:36

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC100

Tot Ion: 56 Resp: 16179

Ion Ratio Lower Upper

56 100

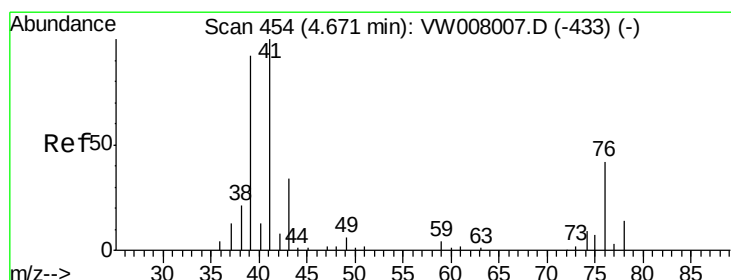
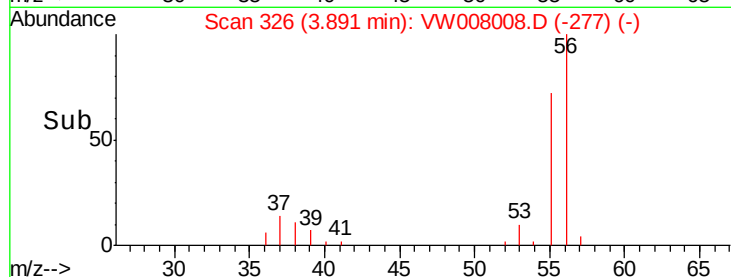
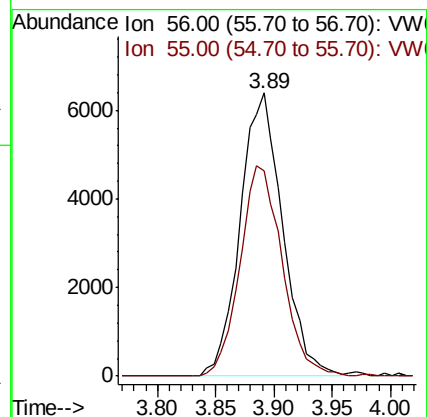
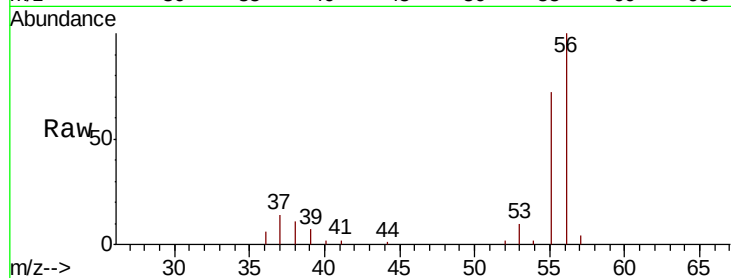
55 74.0 57.3 85.9

Manual Integrations

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#14

Allyl chloride

Concen: 102.807 ug/l

RT: 4.67 min Scan# 453

Delta R.T. -0.01 min

Lab File: VW008008.D

Acq: 02 Jan 2019 14:36

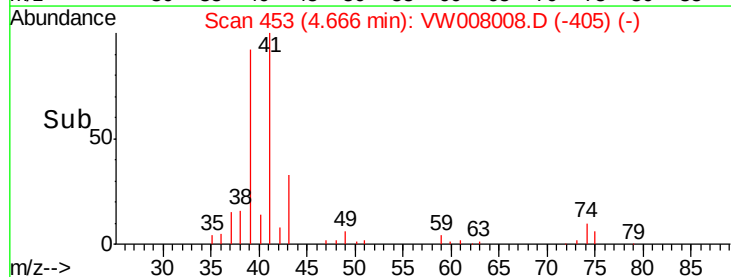
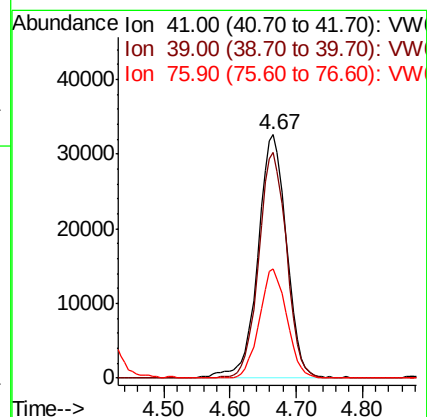
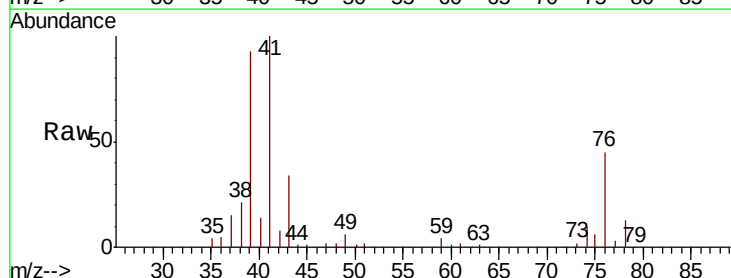
Tgt Ion: 41 Resp: 98292

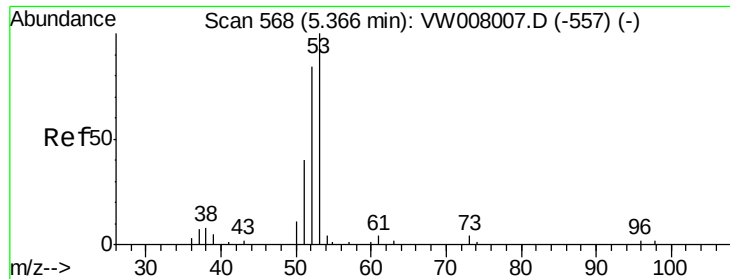
Ion Ratio Lower Upper

41 100

39 90.0 71.1 106.7

76 42.8 33.4 50.2





#15

Acrylonitrile

Concen: 518.387 ug/l

RT: 5.37 min Scan# 568

Delta R.T. 0.00 min

Lab File: VW008008.D

Acq: 02 Jan 2019 14:36

Instrument :

MSVOA_W

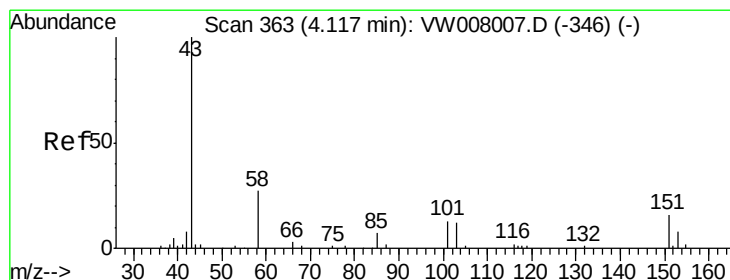
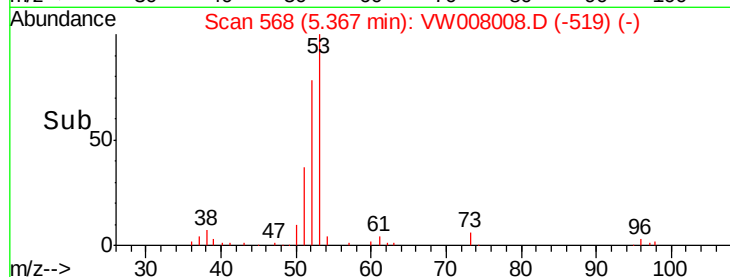
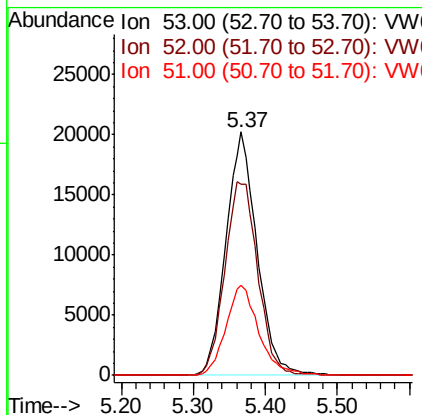
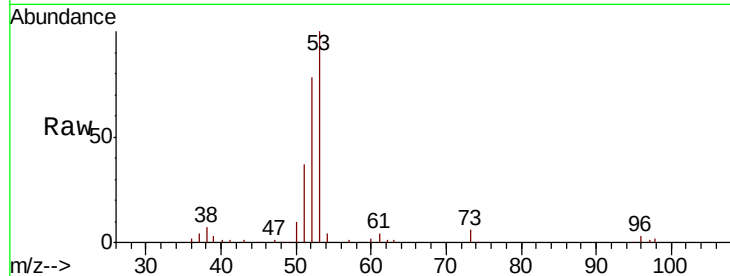
ClientSampleId :

VSTDIC100

Tot Ion:	53	Resp:	60756
Ion	Ratio	Lower	Upper
53	100		
52	84.0	67.8	101.8
51	39.2	31.5	47.3

Manual Integrations
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#16

Acetone

Concen: 484.772 ug/l

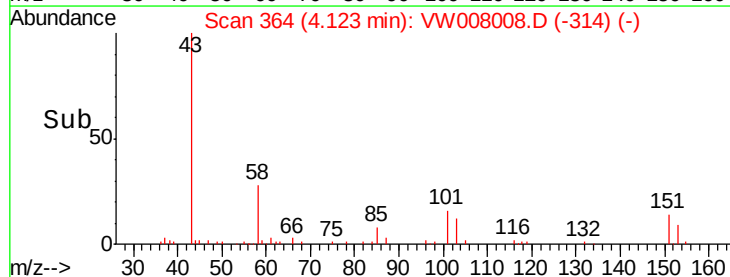
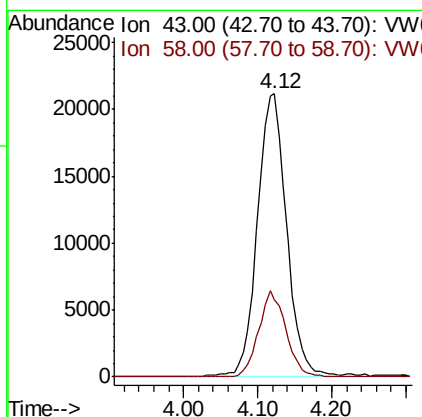
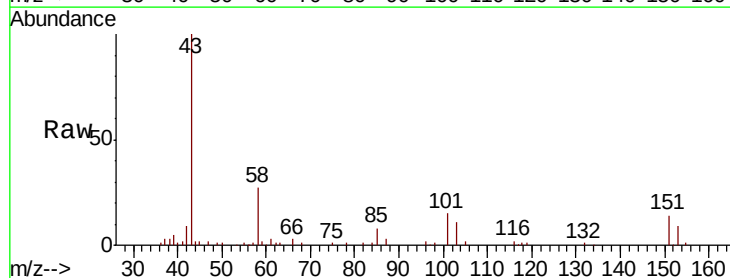
RT: 4.12 min Scan# 364

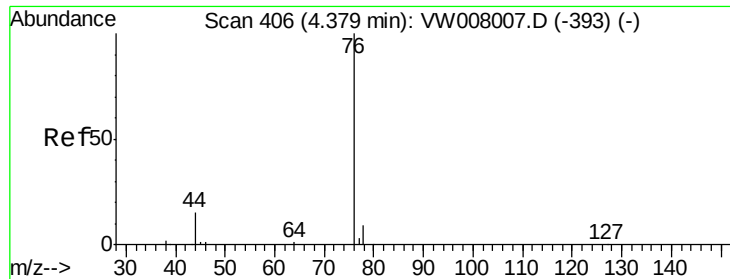
Delta R.T. 0.01 min

Lab File: VW008008.D

Acq: 02 Jan 2019 14:36

Tgt Ion:	43	Resp:	58342
Ion	Ratio	Lower	Upper
43	100		
58	27.5	21.7	32.5





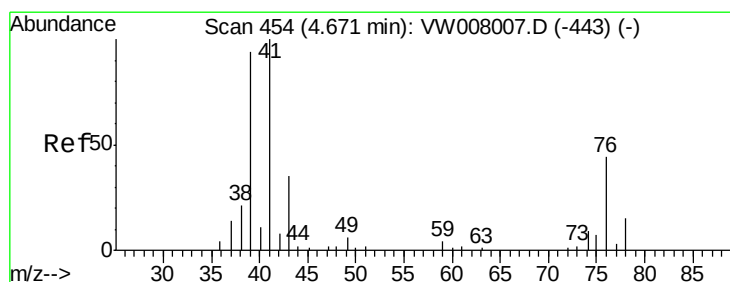
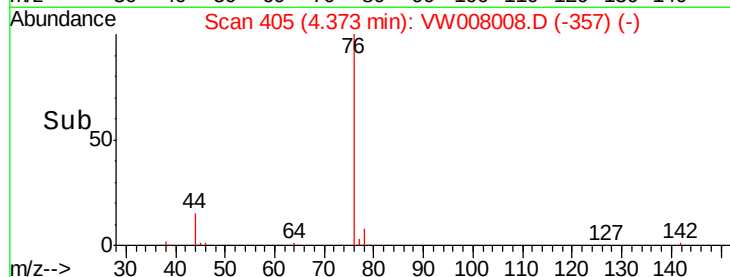
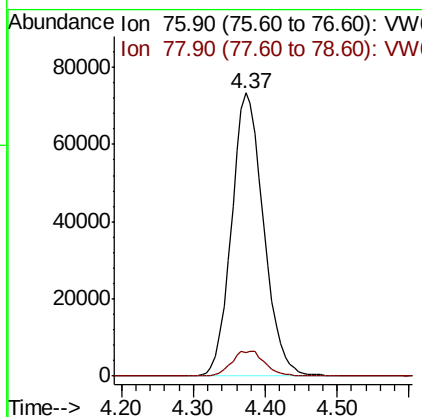
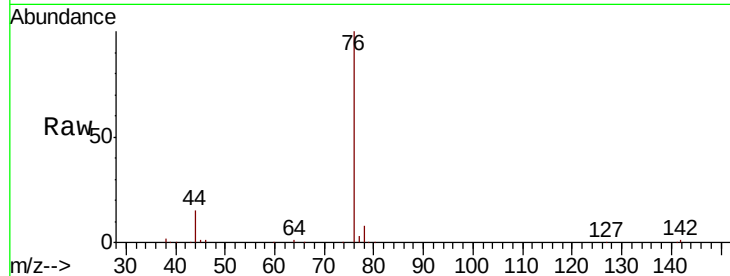
#17
Carbon Disulfide
Concen: 104.874 ug/l
RT: 4.37 min Scan# 405
Delta R.T. -0.01 min
Lab File: VW008008.D
Acq: 02 Jan 2019 14:36

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Lower	Upper
76	100		
78	8.5	7.0	10.4

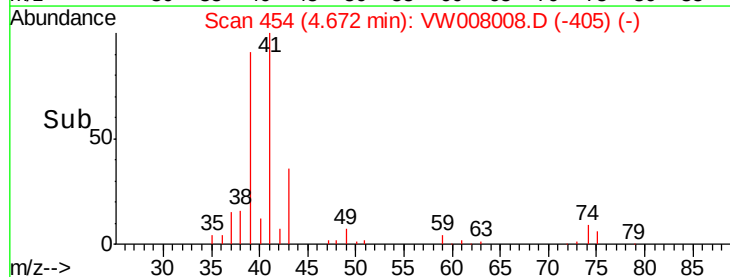
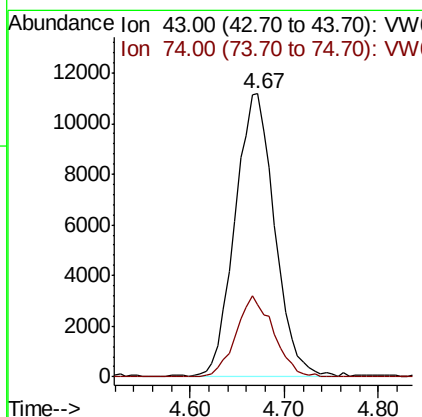
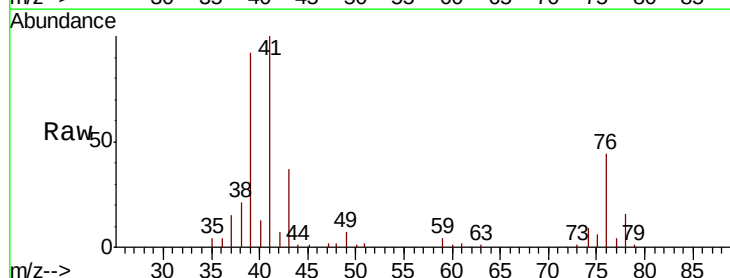
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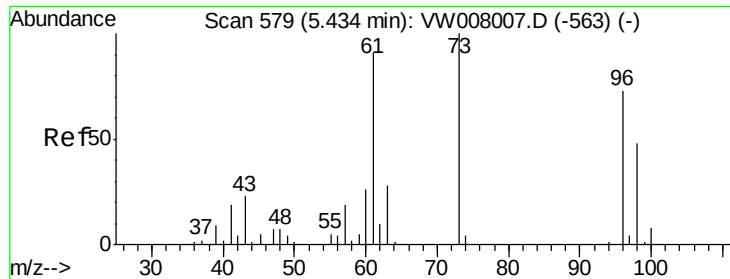
MMDadoda
1/3/2019 10:55:32 AM



#18
Methyl Acetate
Concen: 105.521 ug/l
RT: 4.67 min Scan# 454
Delta R.T. 0.00 min
Lab File: VW008008.D
Acq: 02 Jan 2019 14:36

Tgt Ion	Ratio	Lower	Upper
43	100		
74	26.9	21.4	32.2





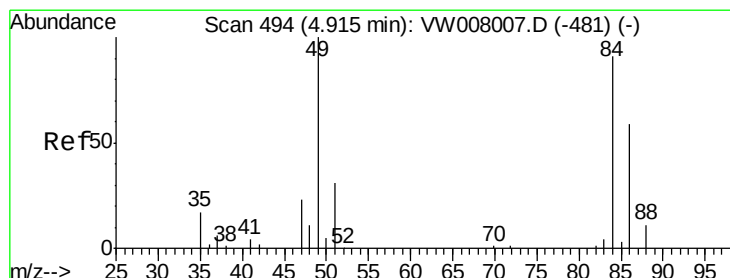
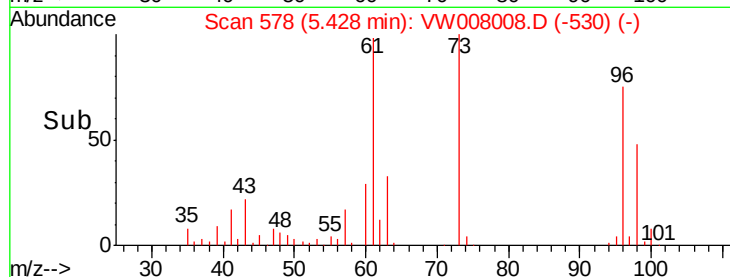
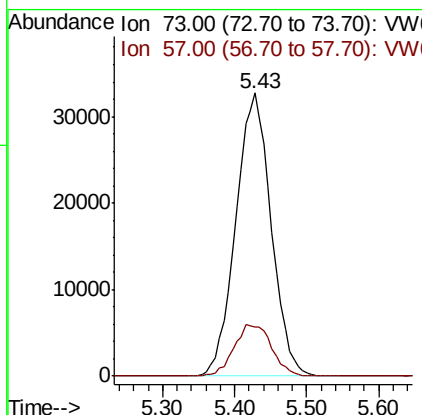
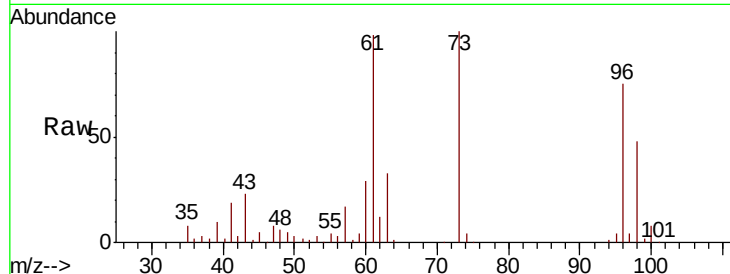
#19
Methyl tert-butyl Ether
Concen: 100.163 ug/l
RT: 5.43 min Scan# 578
Delta R.T. -0.01 min
Lab File: VW008008.D
Acq: 02 Jan 2019 14:36

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC100

Tot Ion: 73 Resp: 111243
Ion Ratio Lower Upper
73 100
57 17.5 15.4 23.0

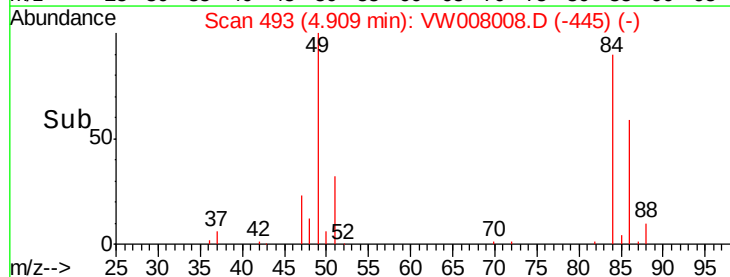
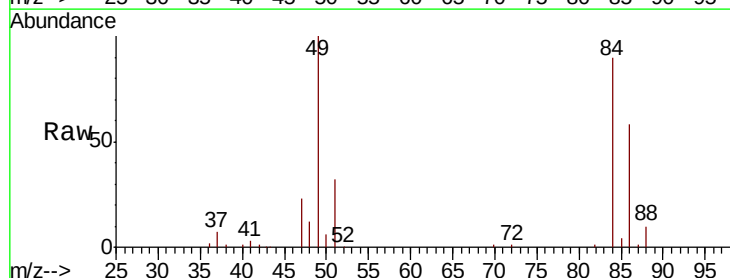
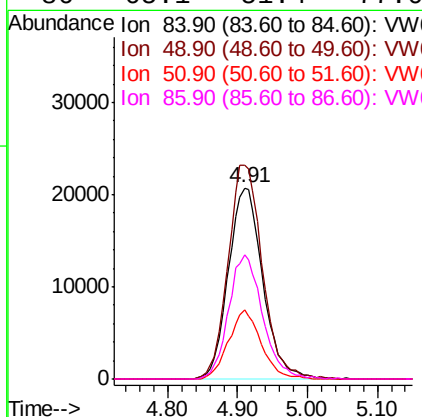
Manual Integrations
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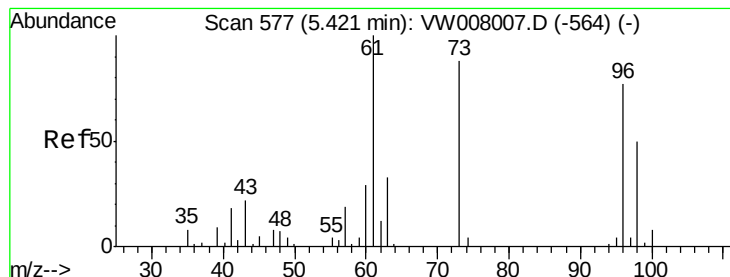
MMDadoda
1/3/2019 10:55:32 AM



#20
Methylene Chloride
Concen: 85.394 ug/l
RT: 4.91 min Scan# 493
Delta R.T. -0.01 min
Lab File: VW008008.D
Acq: 02 Jan 2019 14:36

Tgt Ion: 84 Resp: 70884
Ion Ratio Lower Upper
84 100
49 111.6 87.7 131.5
51 36.1 27.3 40.9
86 65.1 51.4 77.0





#21

trans-1,2-Dichloroethene

Concen: 102.011 ug/l

RT: 5.42 min Scan# 576

Delta R.T. -0.01 min

Lab File: VW008008.D

Acq: 02 Jan 2019 14:36

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC100

Tot Ion: 96 Resp: 78328

Ion Ratio Lower Upper

96 100

61 132.6 104.2 156.2

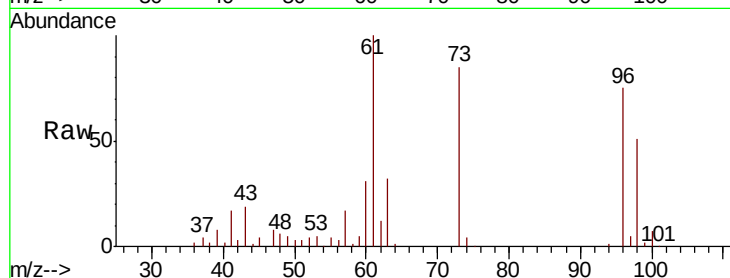
98 68.1 51.8 77.6

Manual Integrations

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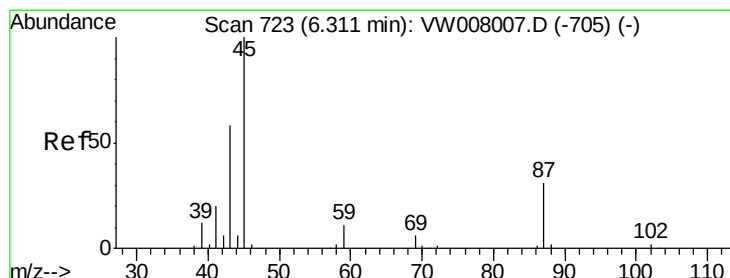
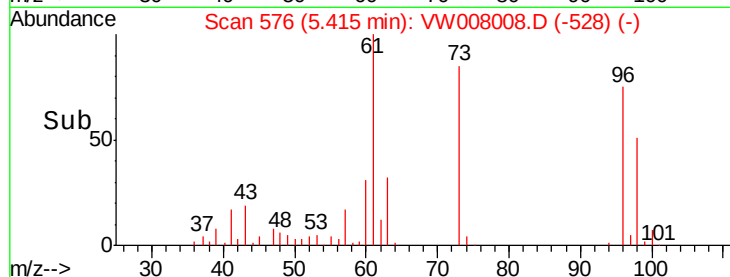
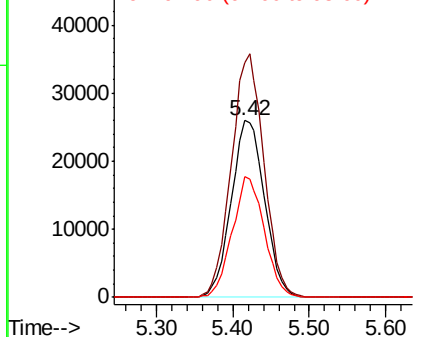


Abundance

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: 103.202 ug/l

RT: 6.32 min Scan# 724

Delta R.T. 0.01 min

Lab File: VW008008.D

Acq: 02 Jan 2019 14:36

Tgt Ion: 45 Resp: 177104

Ion Ratio Lower Upper

45 100

43 57.1 48.1 72.1

87 33.7 25.8 38.8

59 12.3 8.7 13.1

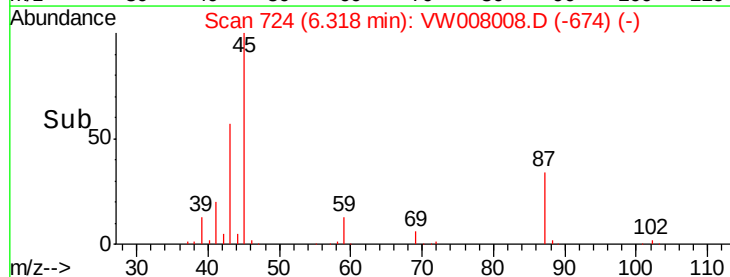
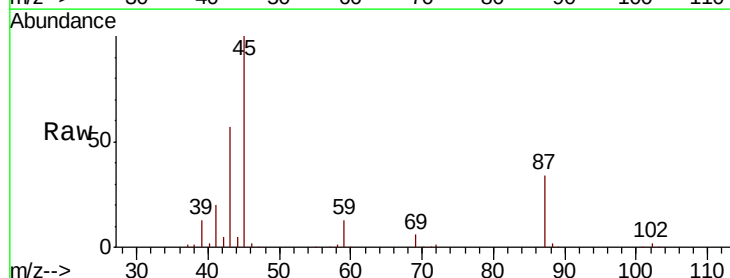
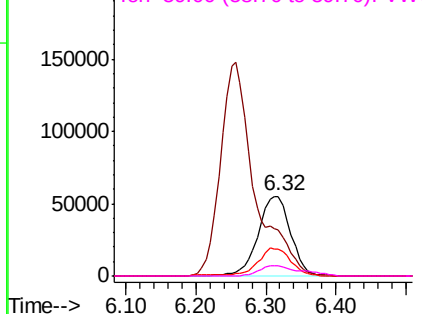
Abundance

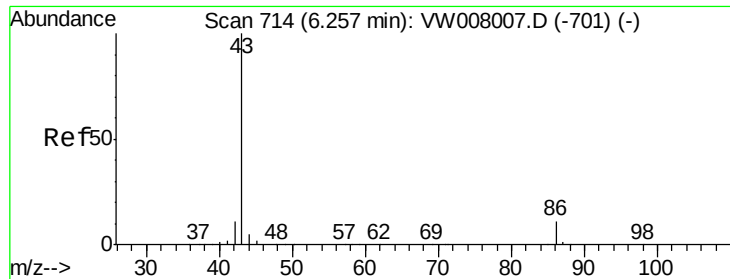
Ion 45.00 (44.70 to 45.70): VW

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: 523.880 ug/l

RT: 6.26 min Scan# 714

Delta R.T. 0.00 min

Lab File: VW008008.D

Acq: 02 Jan 2019 14:36

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC100

Tot Ion: 43 Resp: 503003

Ion Ratio Lower Upper

43 100

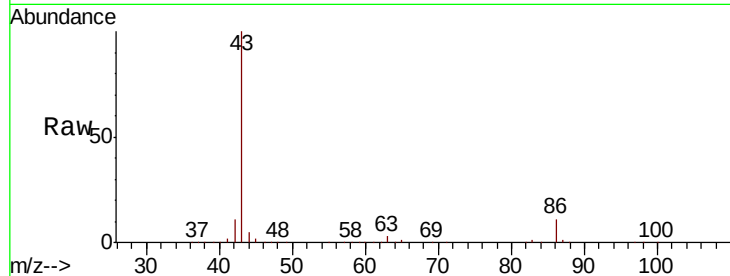
86 11.5 8.8 13.2

Manual Integrations

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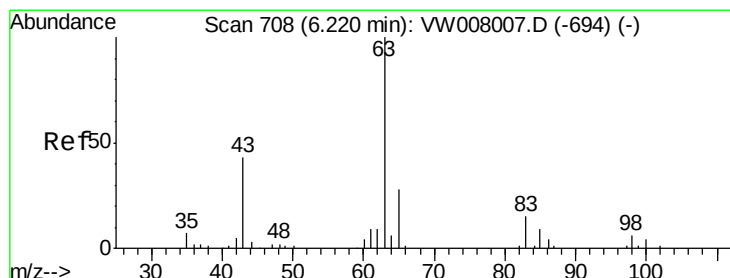
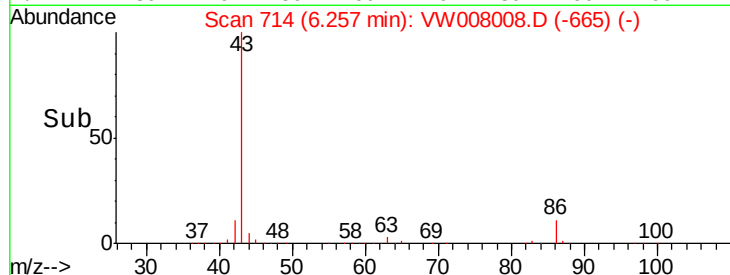
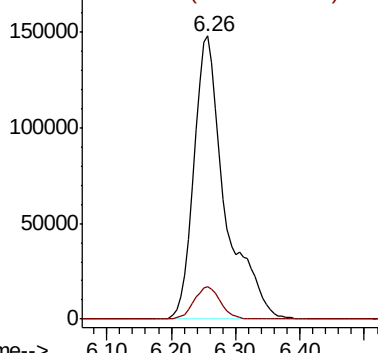
MMDadoda

1/3/2019 10:55:32 AM



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 86.00 (85.70 to 86.70): VW



#24

1,1-Dichloroethane

Concen: 102.123 ug/l

RT: 6.21 min Scan# 707

Delta R.T. -0.01 min

Lab File: VW008008.D

Acq: 02 Jan 2019 14:36

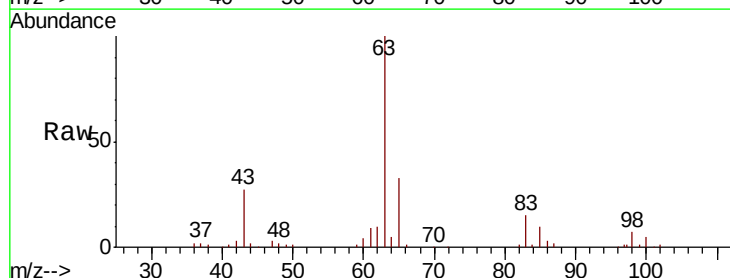
Tgt Ion: 63 Resp: 130212

Ion Ratio Lower Upper

63 100

98 6.9 3.2 9.6

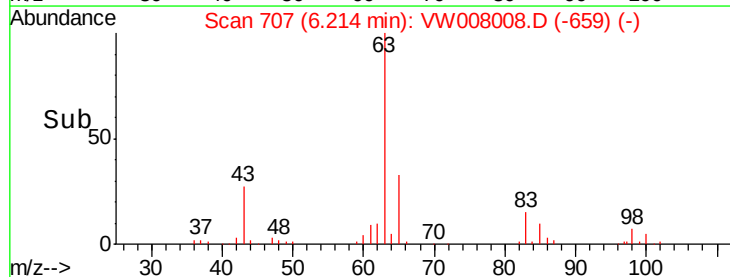
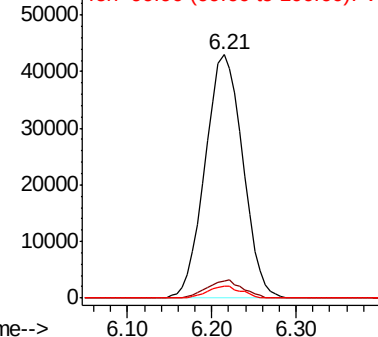
100 4.8 2.1 6.2

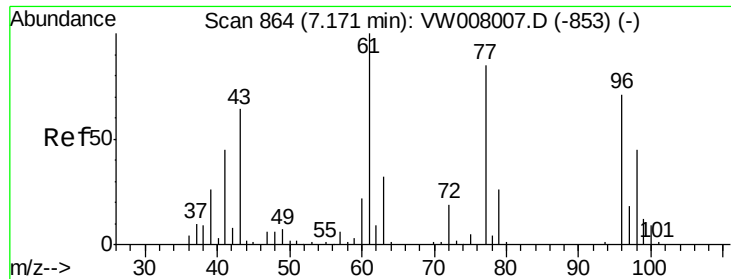


Abundance Ion 62.90 (62.60 to 63.60): VW

Ion 97.90 (97.60 to 98.60): VW

Ion 99.90 (99.60 to 100.60): VW





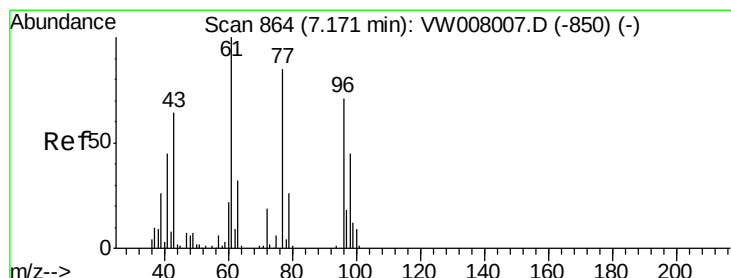
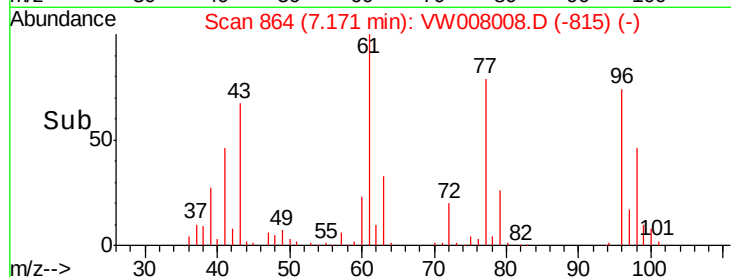
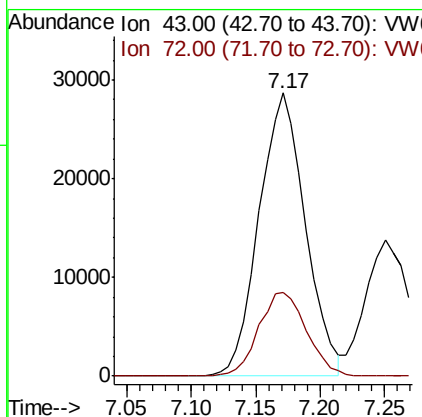
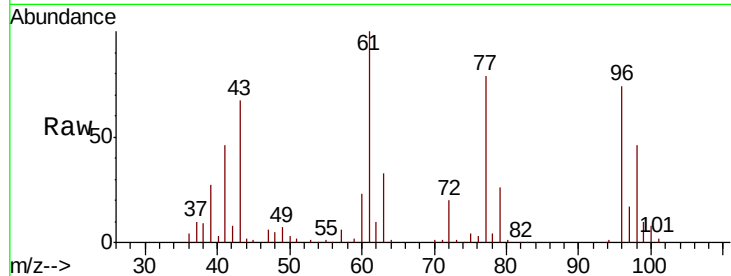
#25
2-Butanone
Concen: 504.269 ug/l
RT: 7.17 min Scan# 864
Delta R.T. 0.00 min
Lab File: VW008008.D
Acq: 02 Jan 2019 14:36

Instrument :
MSVOA_W
ClientSampled :
VSTDIC100

Tot Ion: 43 Resp: 71504
Ion Ratio Lower Upper
43 100
72 29.5 23.8 35.8

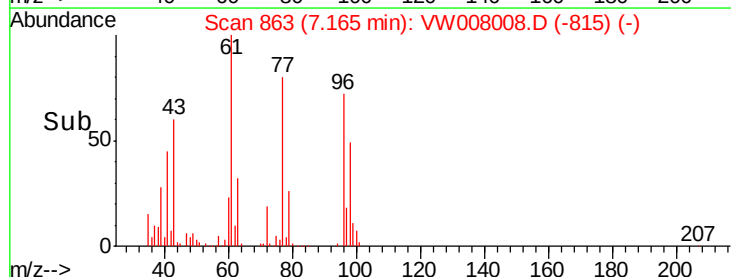
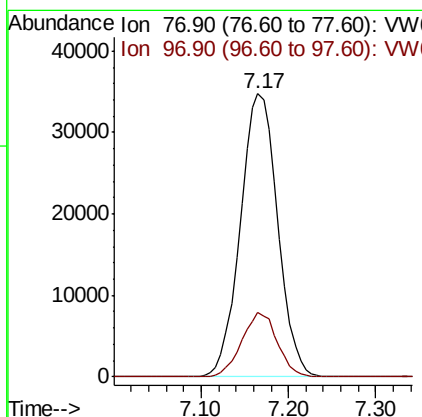
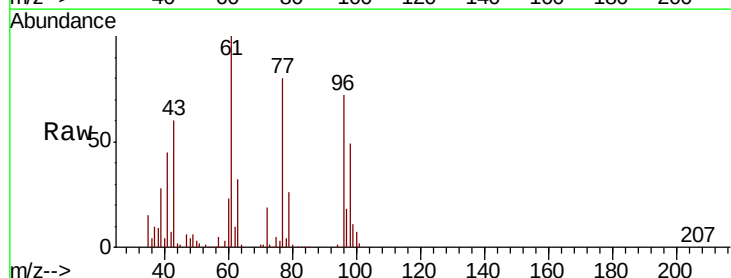
Manual Integrations
APPROVED

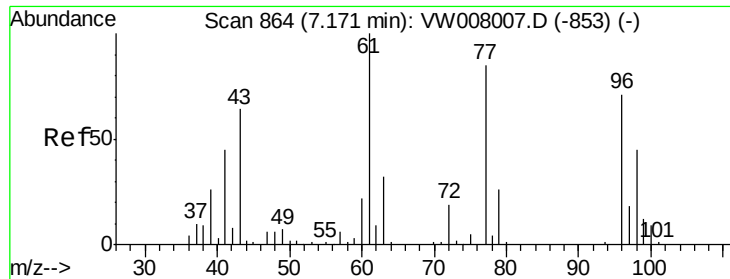
MMDadoda
1/3/2019 10:55:32 AM



#26
2,2-Dichloropropane
Concen: 97.779 ug/l
RT: 7.17 min Scan# 863
Delta R.T. -0.01 min
Lab File: VW008008.D
Acq: 02 Jan 2019 14:36

Tgt Ion: 77 Resp: 102717
Ion Ratio Lower Upper
77 100
97 21.7 11.0 33.0





#27

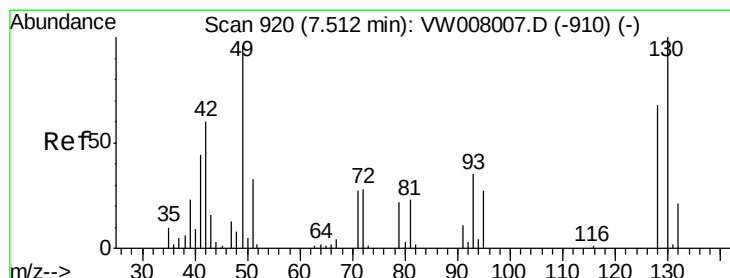
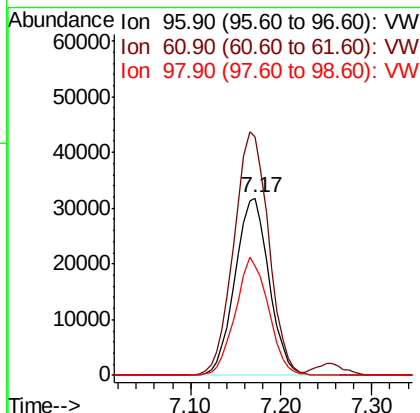
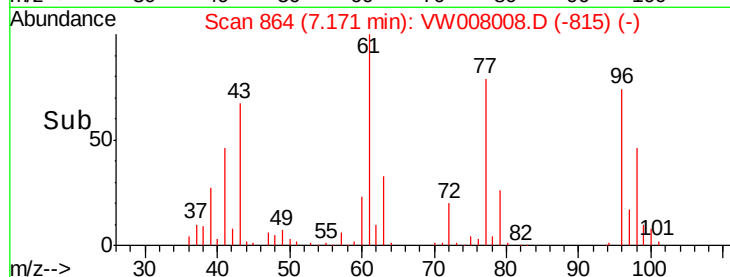
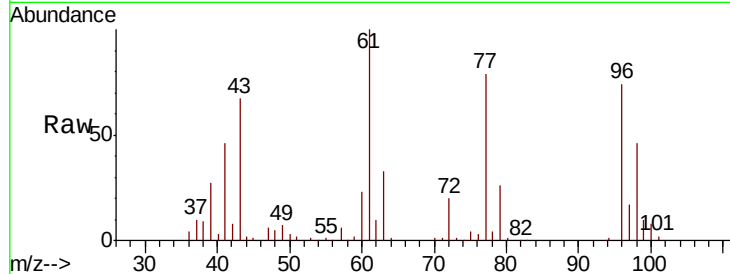
cis-1,2-Dichloroethene
Concen: 101.497 ug/l
RT: 7.17 min Scan# 864
Delta R.T. 0.00 min
Lab File: VW008008.D
Acq: 02 Jan 2019 14:36

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Resp	Lower	Upper
96	100	83015		
61	140.3	0.0	286.4	
98	64.5	0.0	130.6	

Manual Integrations
APPROVED

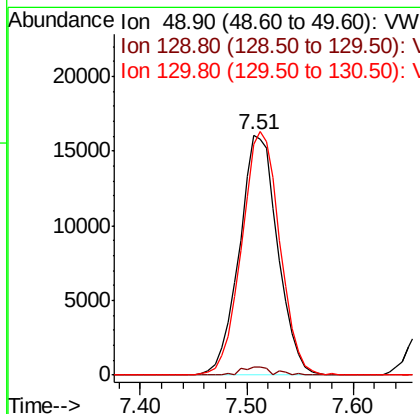
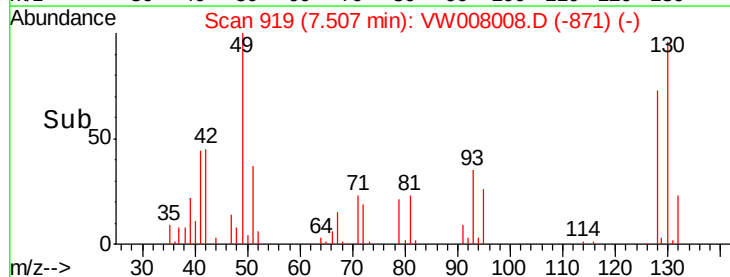
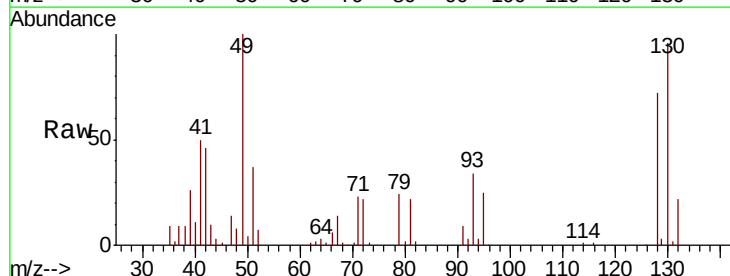
MMDadoda
1/3/2019 10:55:32 AM

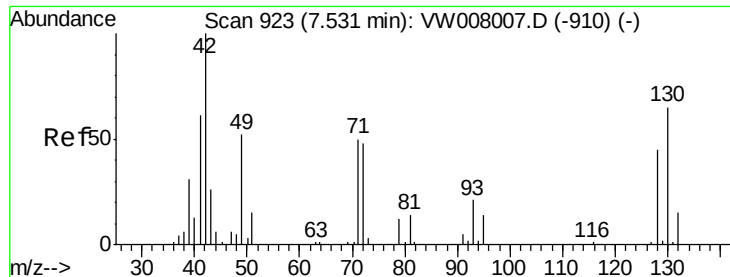


#28

Bromochloromethane
Concen: 99.231 ug/l
RT: 7.51 min Scan# 919
Delta R.T. -0.01 min
Lab File: VW008008.D
Acq: 02 Jan 2019 14:36

Tgt Ion	Ratio	Resp	Lower	Upper
49	100	40667		
129	2.2	0.0	0.8#	
130	100.4	78.5	117.7	





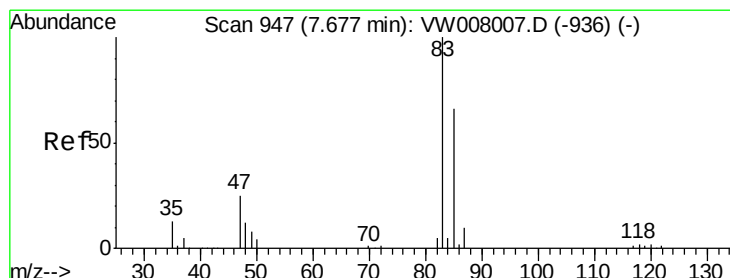
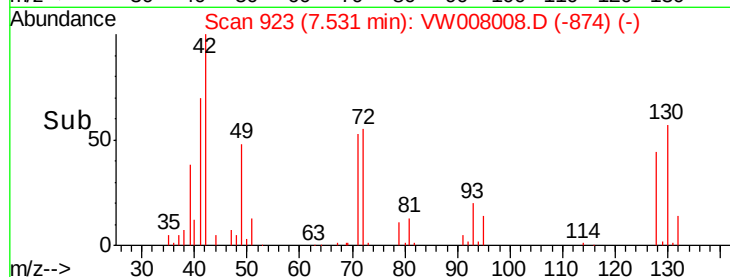
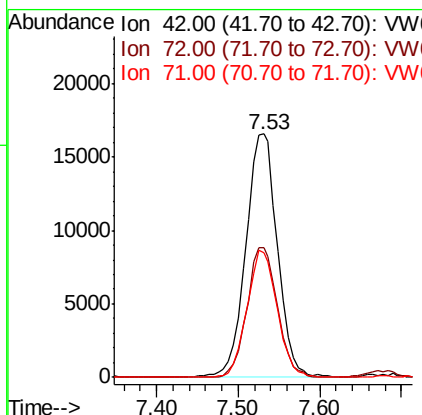
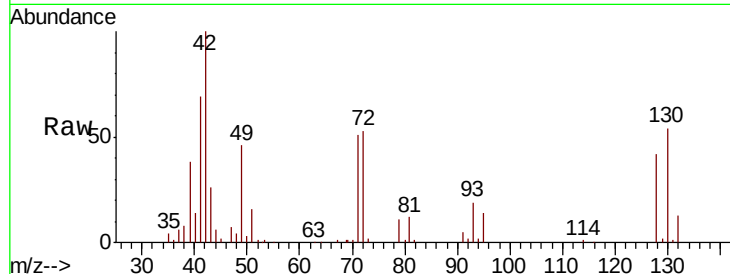
#29
Tetrahydrofuran
Concen: 507.507 ug/l
RT: 7.53 min Scan# 923
Delta R.T. 0.00 min
Lab File: VW008008.D
Acq: 02 Jan 2019 14:36

Instrument :
MSVOA_W
ClientSampled :
VSTDIC100

Tot Ion	Ratio	Lower	Upper
42	100		
72	51.5	39.0	58.6
71	49.7	39.1	58.7

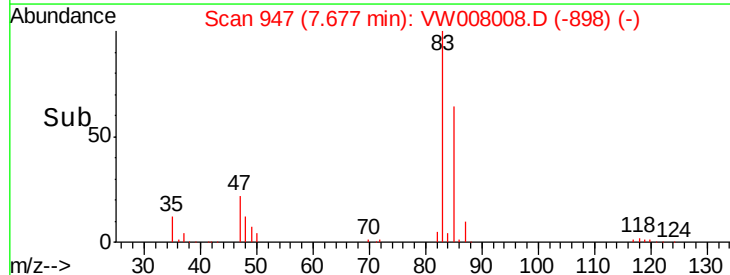
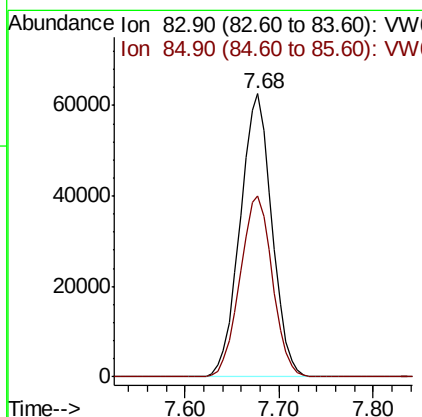
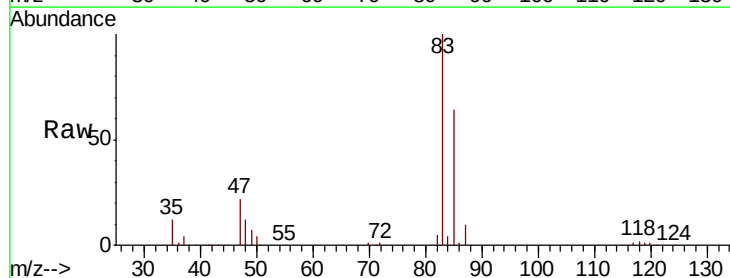
Manual Integrations
APPROVED

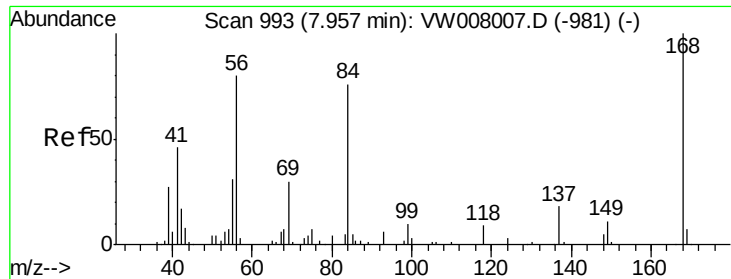
MMDadoda
1/3/2019 10:55:32 AM



#30
Chloroform
Concen: 103.192 ug/l
RT: 7.68 min Scan# 947
Delta R.T. 0.00 min
Lab File: VW008008.D
Acq: 02 Jan 2019 14:36

Tgt Ion	Ratio	Lower	Upper
83	100		
85	64.2	52.7	79.1





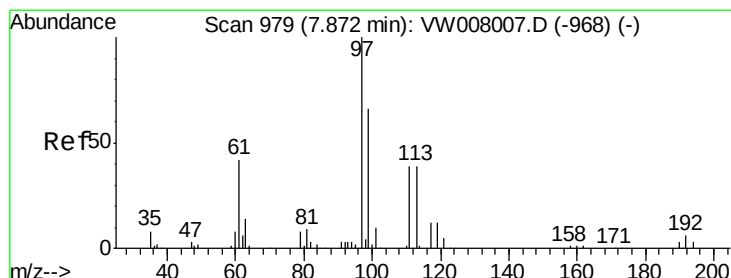
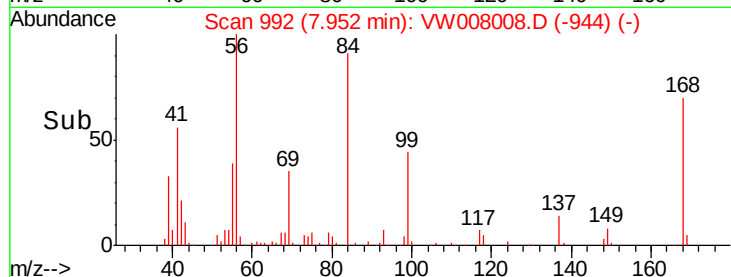
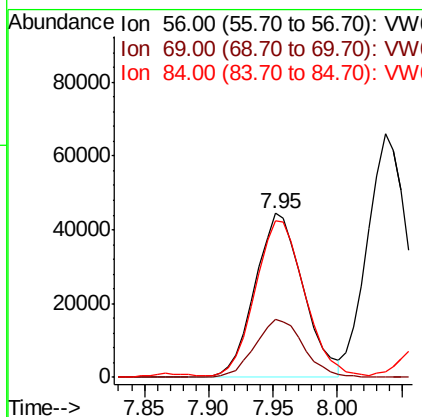
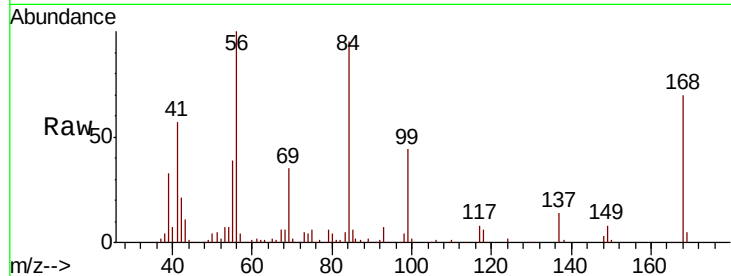
#31
Cyclohexane
Concen: 97.475 ug/l
RT: 7.95 min Scan# 992
Delta R.T. -0.01 min
Lab File: VW008008.D
Acq: 02 Jan 2019 14:36

Instrument :
MSVOA_W
ClientSampled :
VSTDIC100

Tot Ion	Ratio	Lower	Upper
56	100		
69	35.2	29.8	44.6
84	93.5	75.2	112.8

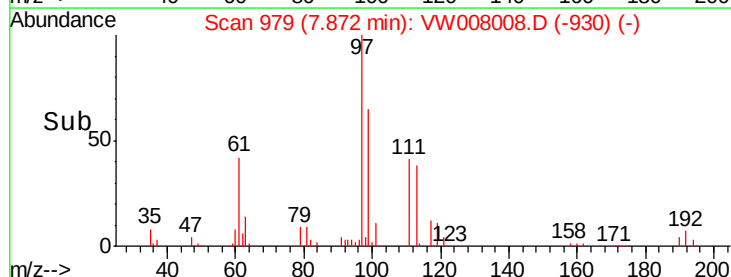
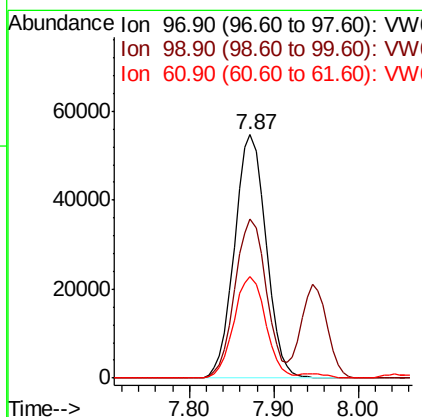
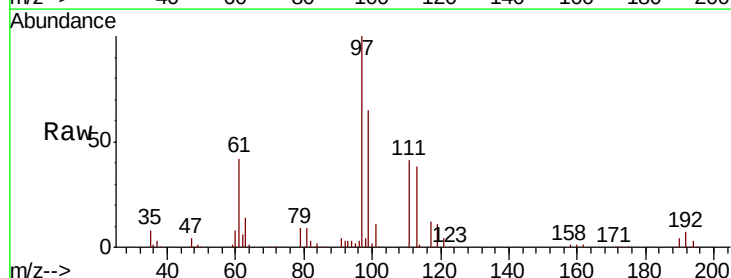
Manual Integrations
APPROVED

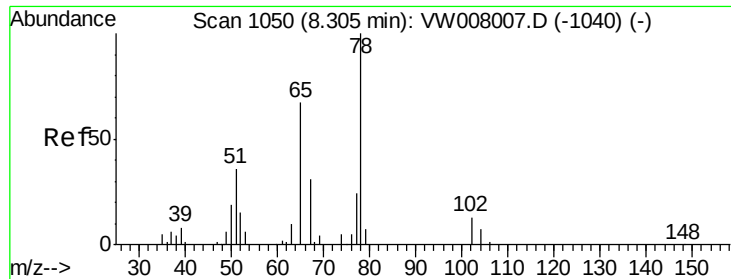
MMDadoda
1/3/2019 10:55:32 AM



#32
1,1,1-Trichloroethane
Concen: 101.416 ug/l
RT: 7.87 min Scan# 979
Delta R.T. 0.00 min
Lab File: VW008008.D
Acq: 02 Jan 2019 14:36

Tgt Ion	Ratio	Lower	Upper
97	100		
99	65.5	51.5	77.3
61	42.1	33.4	50.0





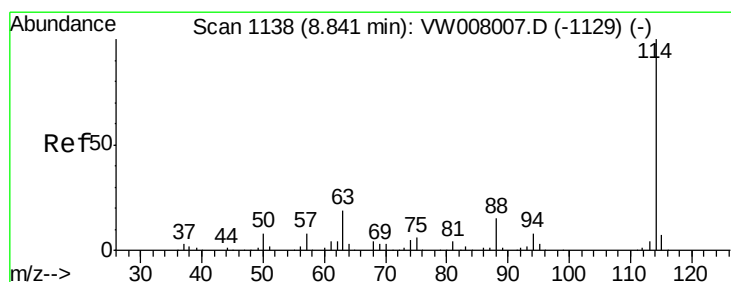
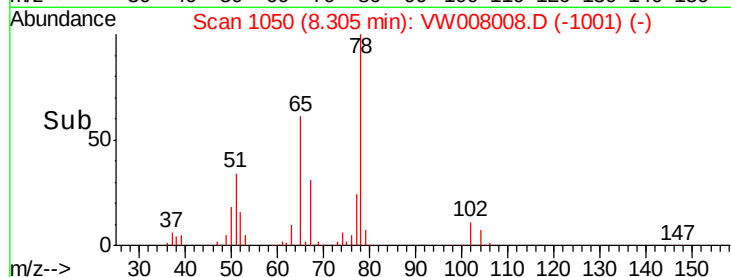
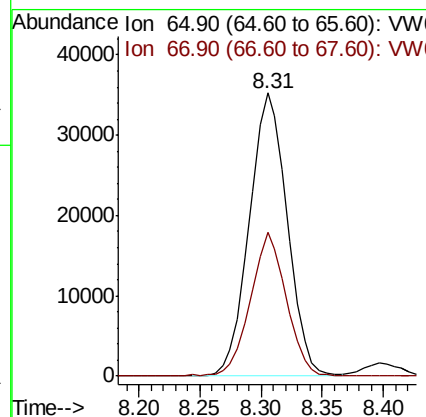
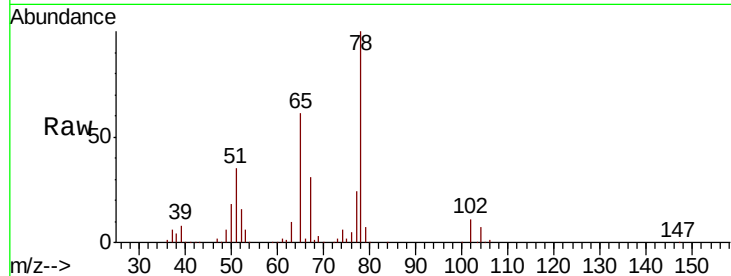
#33
 1,2-Dichloroethane-d4
 Concen: 97.686 ug/l
 RT: 8.31 min Scan# 1050
 Delta R.T. 0.00 min
 Lab File: VW008008.D
 Acq: 02 Jan 2019 14:36

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDICC100

Tot Ion	Ratio	Lower	Upper
65	100		
67	48.2	0.0	94.8

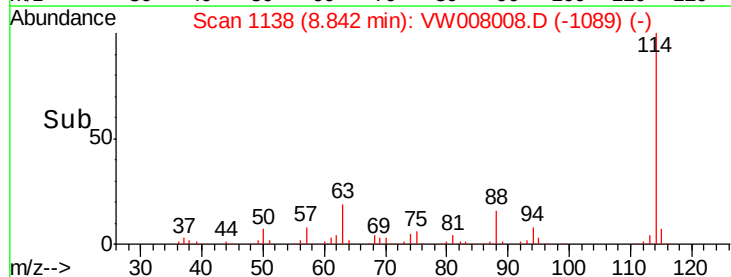
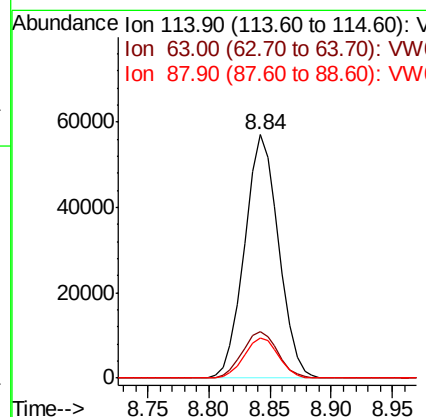
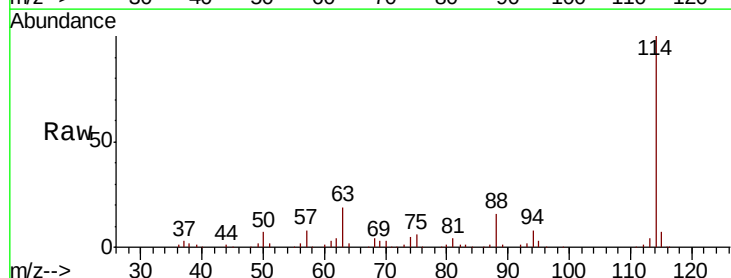
Manual Integrations
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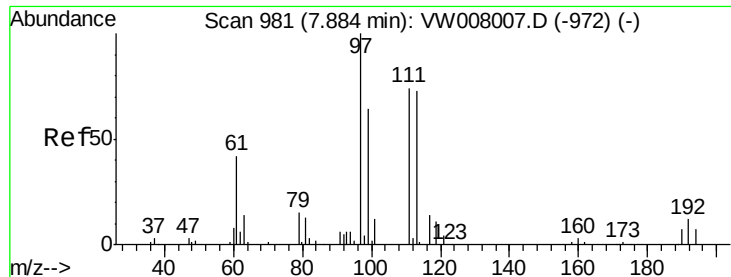
MMDadoda
 1/3/2019 10:55:32 AM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1138
 Delta R.T. 0.00 min
 Lab File: VW008008.D
 Acq: 02 Jan 2019 14:36

Tgt Ion	Ratio	Lower	Upper
114	100		
63	19.3	0.0	37.8
88	16.3	0.0	31.0





#35

Dibromofluoromethane

Concen: 97.390 ug/l

RT: 7.88 min Scan# 981

Delta R.T. 0.00 min

Lab File: VW008008.D

Acq: 02 Jan 2019 14:36

Instrument :

MSVOA_W

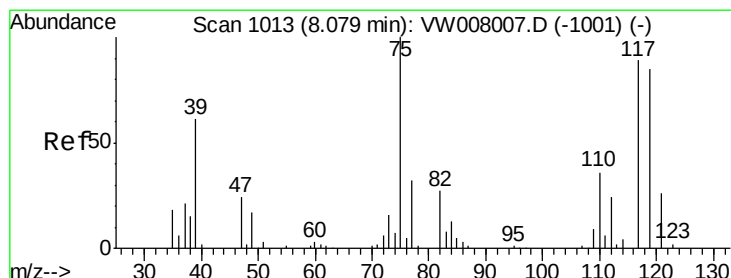
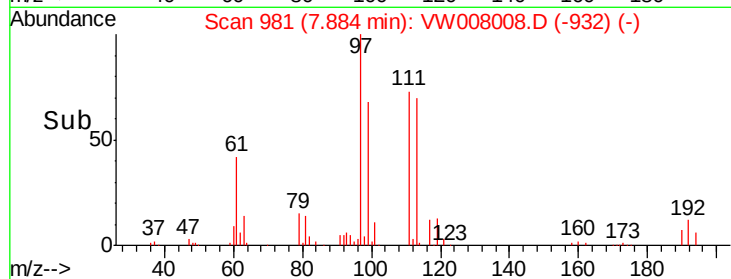
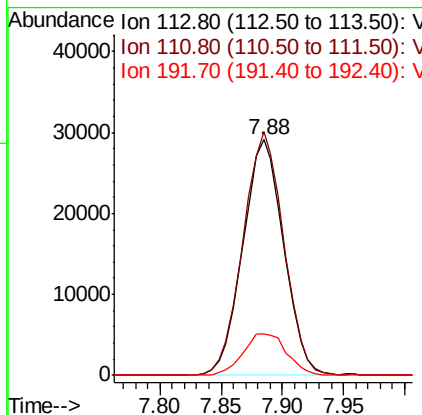
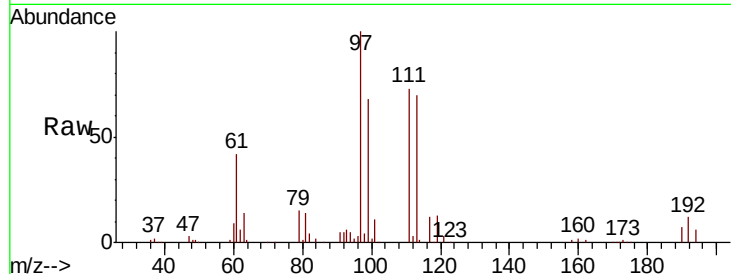
ClientSampled :

VSTDIC100

Tot Ion:	113	Resp:	67625
Ion	Ratio	Lower	Upper
113	100		
111	103.2	81.4	122.0
192	18.8	14.8	22.2

Manual Integrations
APPROVED

MMDadoda
1/3/2019 10:55:32 AM



#36

1,1-Dichloropropene

Concen: 103.413 ug/l

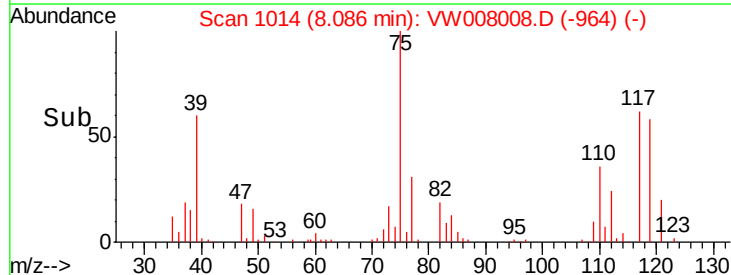
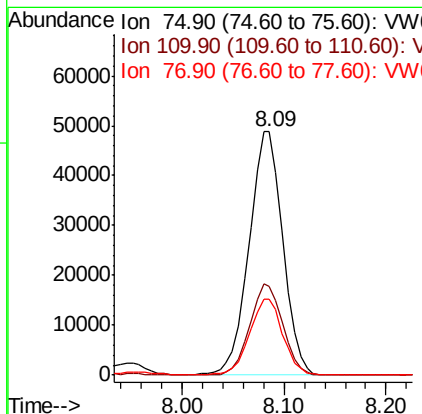
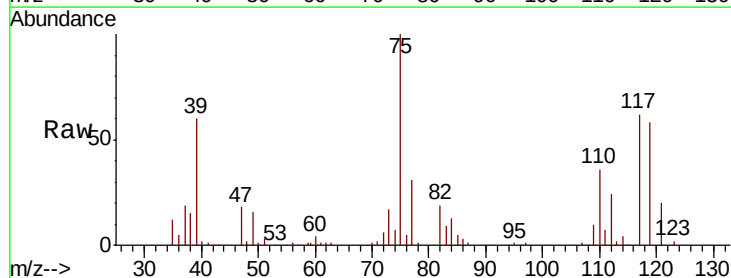
RT: 8.09 min Scan# 1014

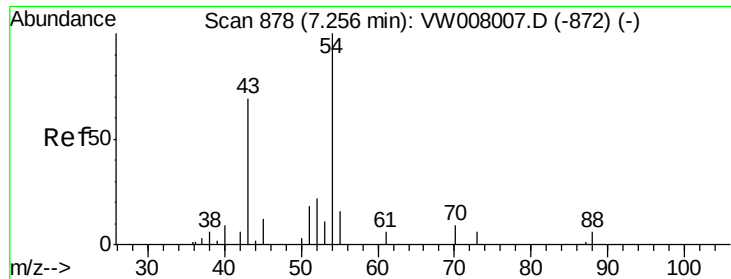
Delta R.T. 0.01 min

Lab File: VW008008.D

Acq: 02 Jan 2019 14:36

Tgt Ion:	75	Resp:	112364
Ion	Ratio	Lower	Upper
75	100		
110	36.5	18.1	54.3
77	31.1	25.3	37.9





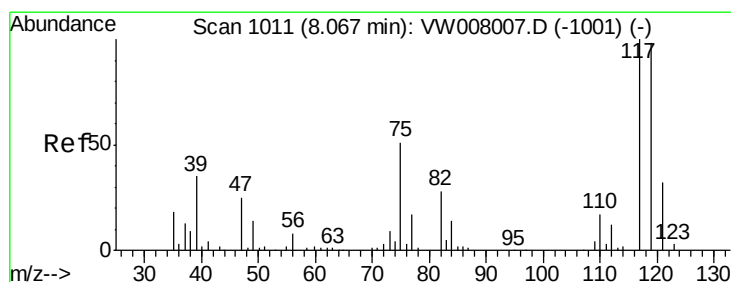
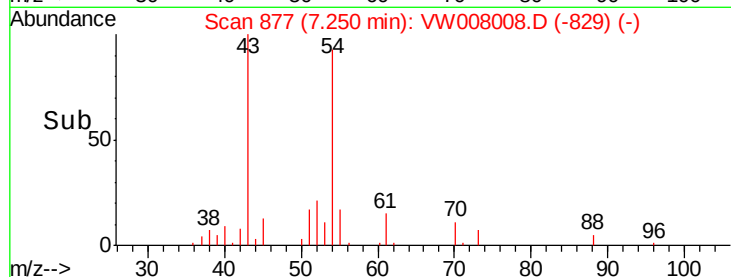
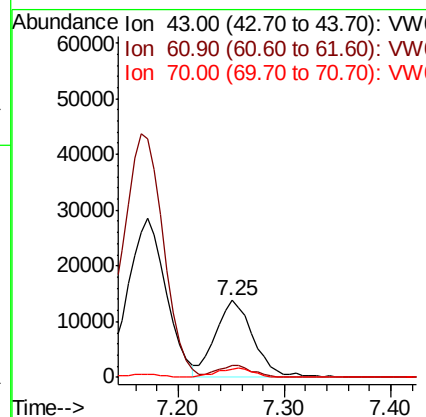
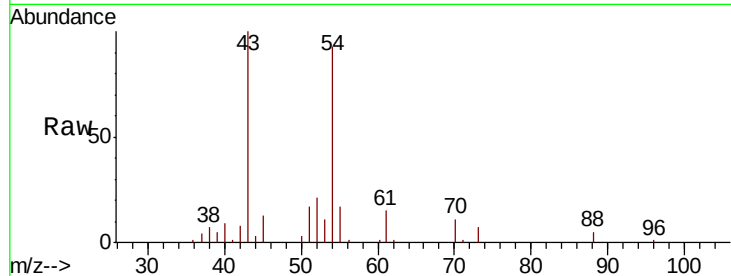
#37
Ethyl Acetate
Concen: 104.931 ug/l
RT: 7.25 min Scan# 877
Delta R.T. -0.01 min
Lab File: VW008008.D
Acq: 02 Jan 2019 14:36

Instrument :
MSVOA_W
ClientSampled :
VSTDIC100

Tot Ion	Ratio	Lower	Upper
43	100		
61	14.3	11.4	17.2
70	11.8	9.4	14.0

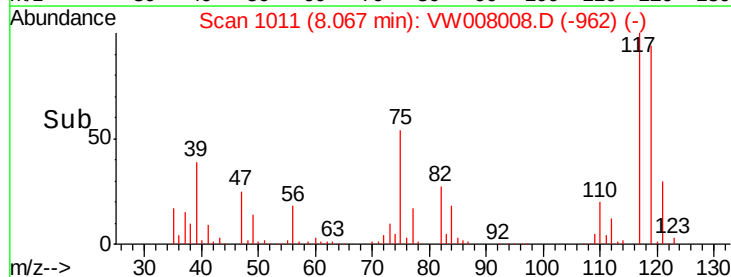
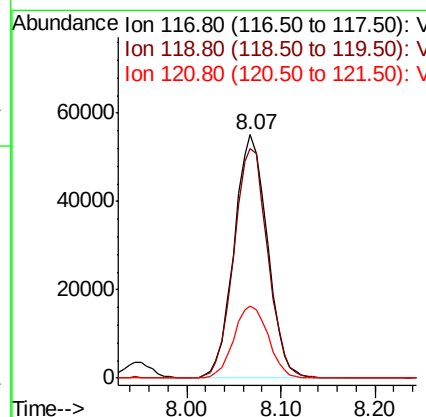
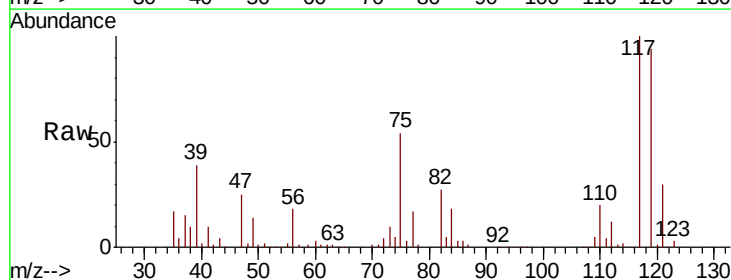
Manual Integrations
APPROVED

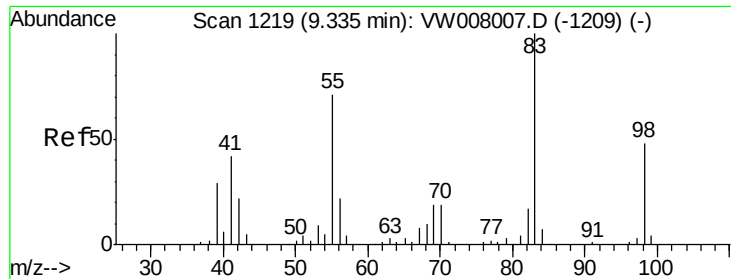
MMDadoda
1/3/2019 10:55:32 AM



#38
Carbon Tetrachloride
Concen: 103.974 ug/l
RT: 8.07 min Scan# 1011
Delta R.T. 0.00 min
Lab File: VW008008.D
Acq: 02 Jan 2019 14:36

Tgt Ion	Ratio	Lower	Upper
117	100		
119	94.4	78.7	118.1
121	29.6	25.8	38.8





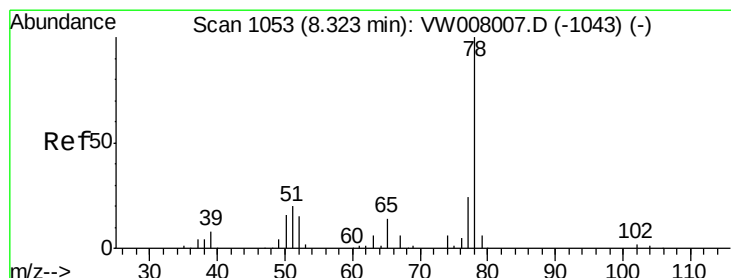
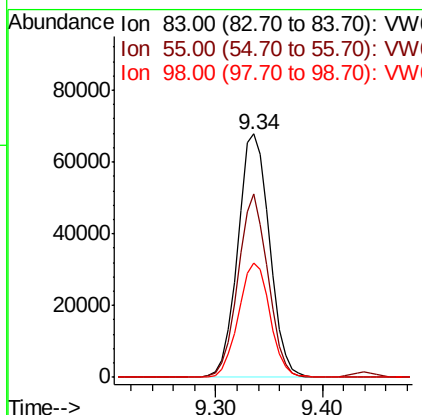
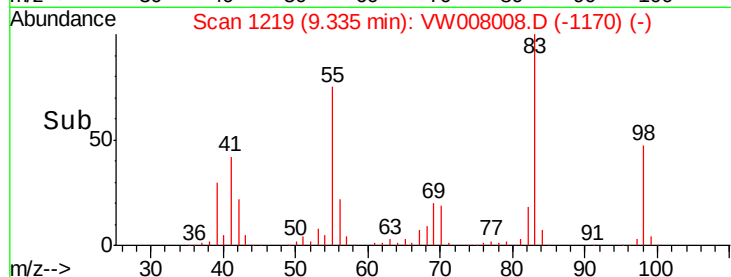
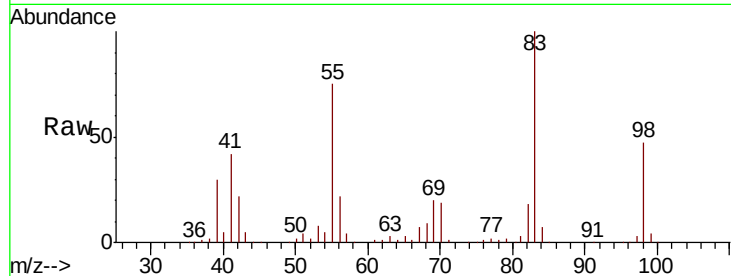
#39
Methylvlcyclohexane
Concen: 104.538 ug/l
RT: 9.34 min Scan# 1219
Delta R.T. 0.00 min
Lab File: VW008008.D
Acq: 02 Jan 2019 14:36

Instrument :
MSVOA_W
ClientSampled :
VSTDICC100

Tot Ion	Ratio	Lower	Upper
83	100		
55	75.5	56.8	85.2
98	47.1	38.6	58.0

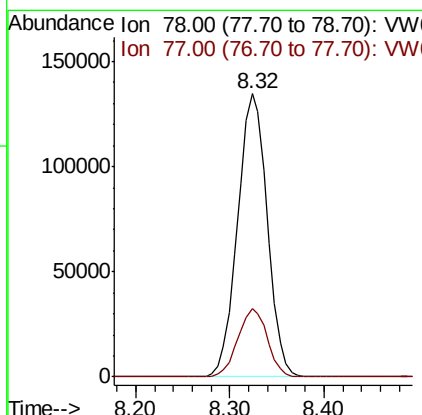
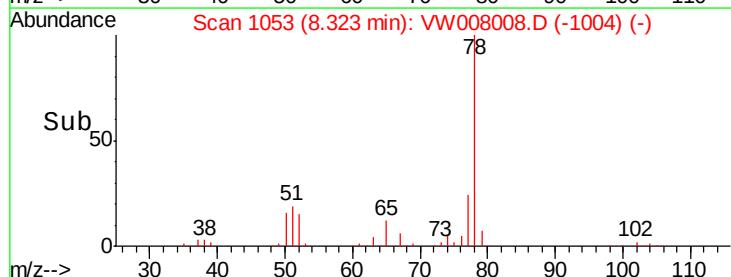
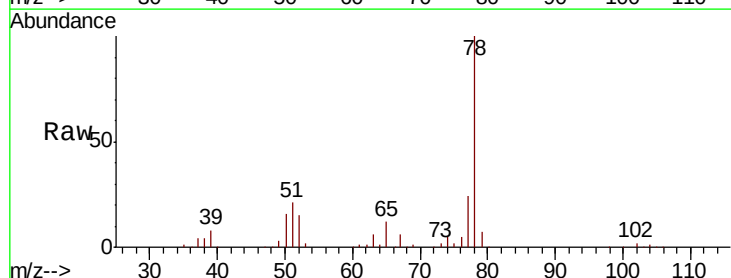
Manual Integrations
APPROVED

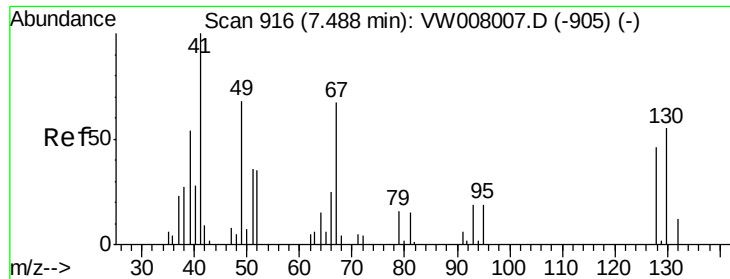
MMDadoda
1/3/2019 10:55:32 AM



#40
Benzene
Concen: 103.014 ug/l
RT: 8.32 min Scan# 1053
Delta R.T. 0.00 min
Lab File: VW008008.D
Acq: 02 Jan 2019 14:36

Tgt Ion	Ratio	Lower	Upper
78	100		
77	24.2	19.0	28.6





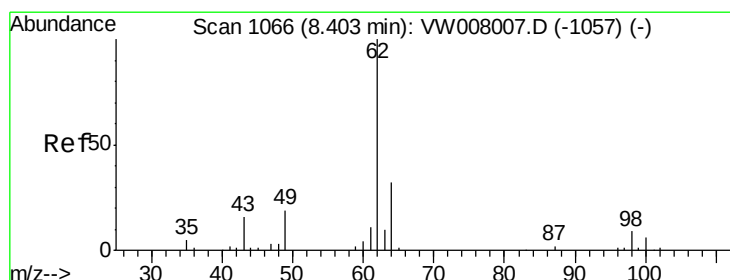
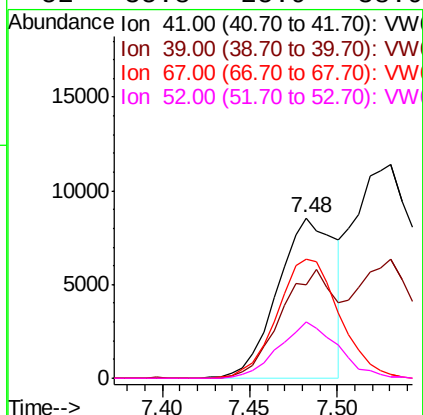
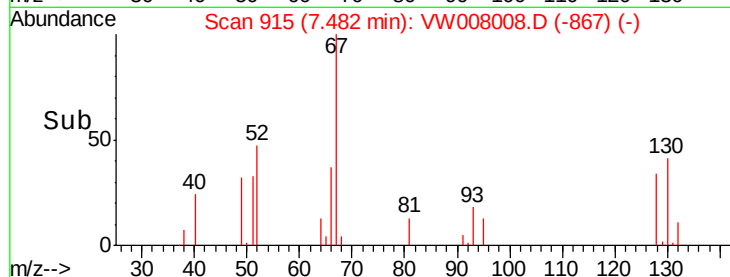
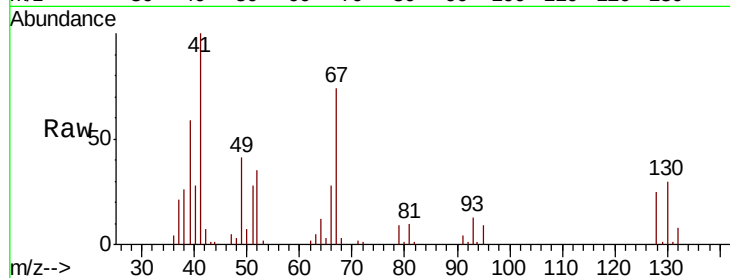
#41
Methacrylonitrile
Concen: 98.392 ug/l
RT: 7.48 min Scan# 915
Delta R.T. -0.01 min
Lab File: VW008008.D
Acq: 02 Jan 2019 14:36

Instrument :
MSVOA_W
ClientSampled :
VSTDIC100

Tot Ion:	41	Resp:	19786
Ion	Ratio	Lower	Upper
41	100		
39	63.1	48.6	72.8
67	79.9	55.6	83.4
52	35.8	25.9	38.9

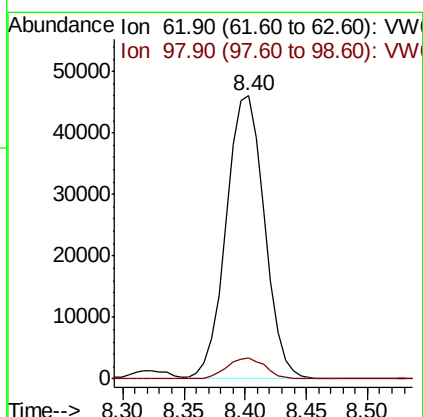
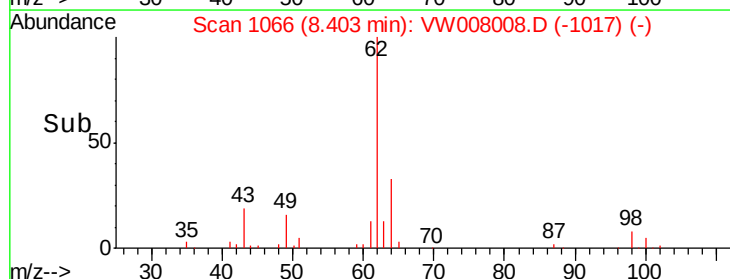
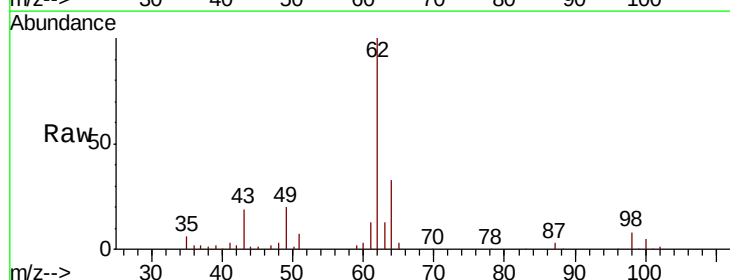
Manual Integrations
APPROVED

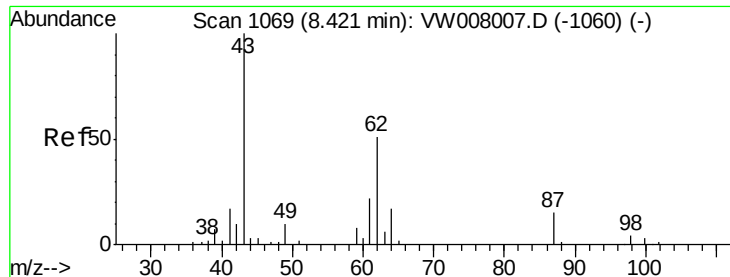
MMDadoda
1/3/2019 10:55:32 AM



#42
1,2-Dichloroethane
Concen: 104.415 ug/l
RT: 8.40 min Scan# 1066
Delta R.T. 0.00 min
Lab File: VW008008.D
Acq: 02 Jan 2019 14:36

Tgt Ion:	62	Resp:	99722
Ion	Ratio	Lower	Upper
62	100		
98	7.6	0.0	15.6





#43

Isopropyl Acetate

Concen: 105.764 ug/l

RT: 8.43 min Scan# 1070

Delta R.T. 0.01 min

Lab File: VW008008.D

Acq: 02 Jan 2019 14:36

Instrument :

MSVOA_W

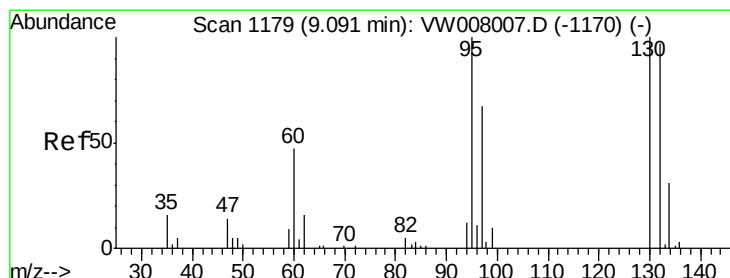
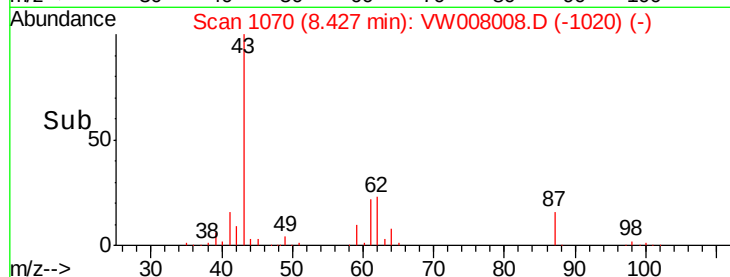
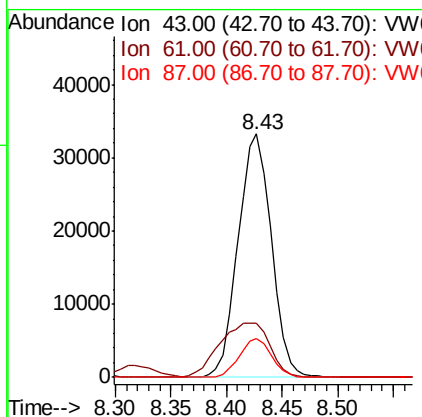
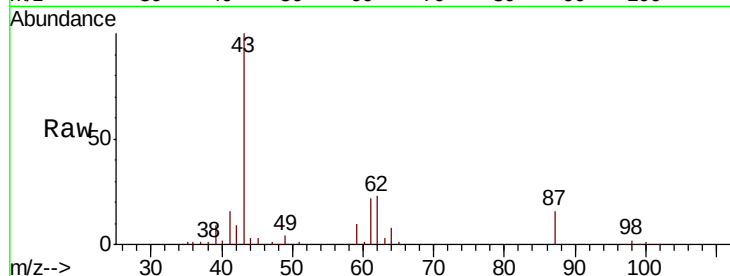
ClientSampled :

VSTDIC100

Tot Ion:	43	Resp:	68971
Ion	Ratio	Lower	Upper
43	100		
61	33.4	26.4	39.6
87	15.4	12.0	18.0

Manual Integrations
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MMDadoda
1/3/2019 10:55:32 AM



#44

Trichloroethene

Concen: 102.130 ug/l

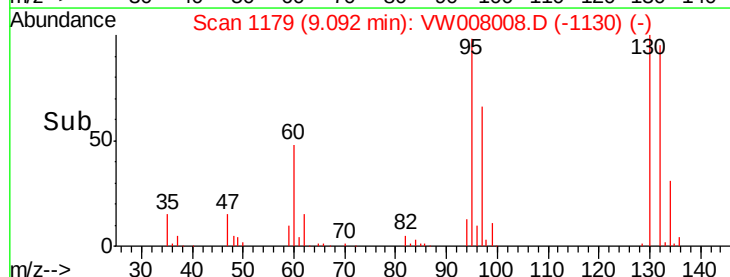
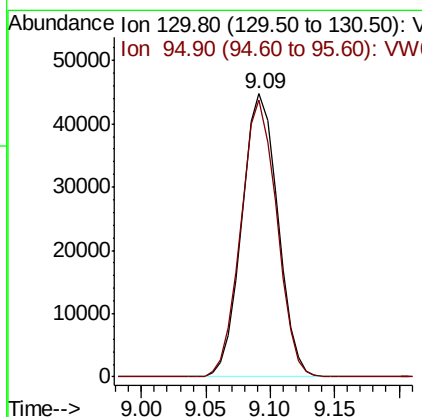
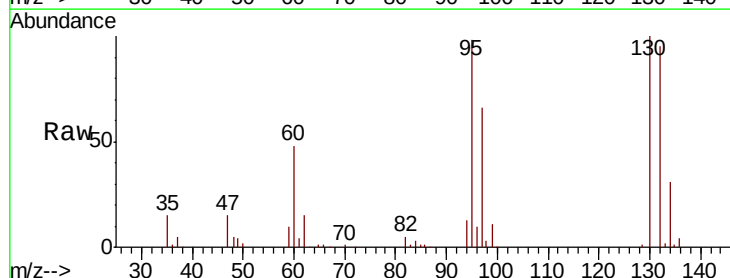
RT: 9.09 min Scan# 1179

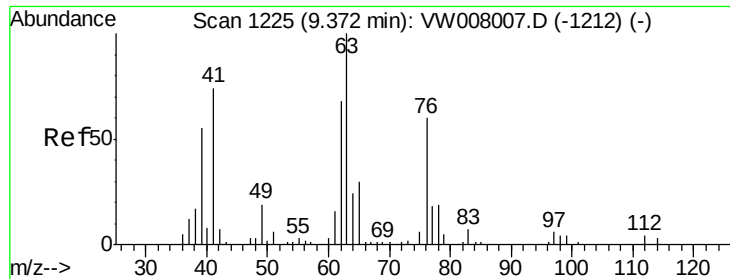
Delta R.T. 0.00 min

Lab File: VW008008.D

Acq: 02 Jan 2019 14:36

Tgt Ion:	130	Resp:	86388
Ion	Ratio	Lower	Upper
130	100		
95	97.8	0.0	200.0





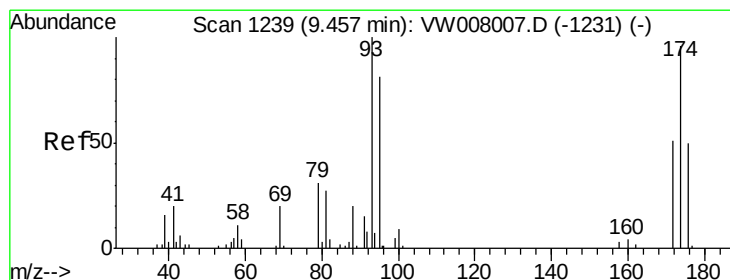
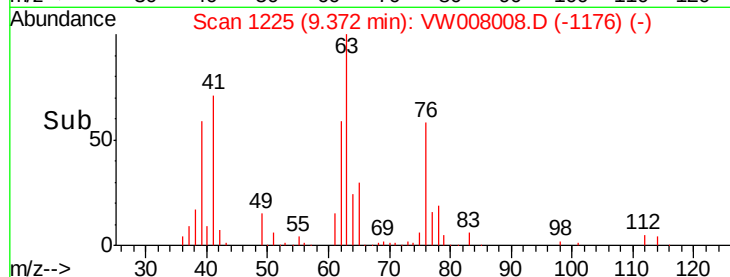
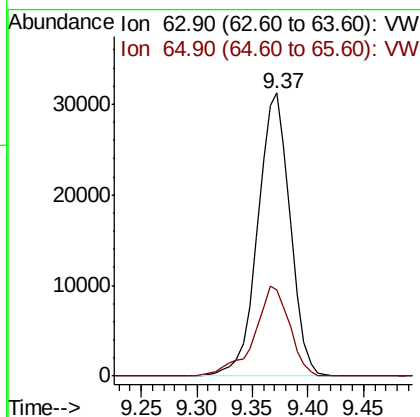
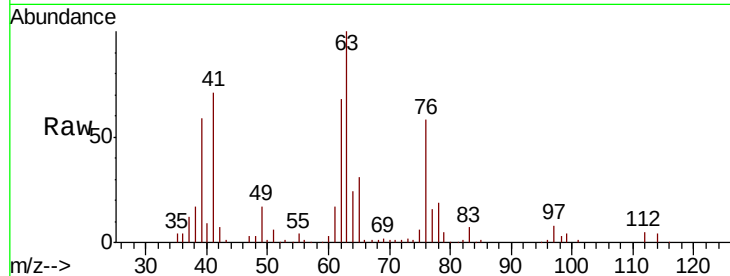
#45
 1,2-Dichloropropane
 Concen: 101.864 ug/l
 RT: 9.37 min Scan# 1225
 Delta R.T. 0.00 min
 Lab File: VW008008.D
 Acq: 02 Jan 2019 14:36

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC100

Tot Ion	Ratio	Lower	Upper
63	100		
65	30.6	24.2	36.4

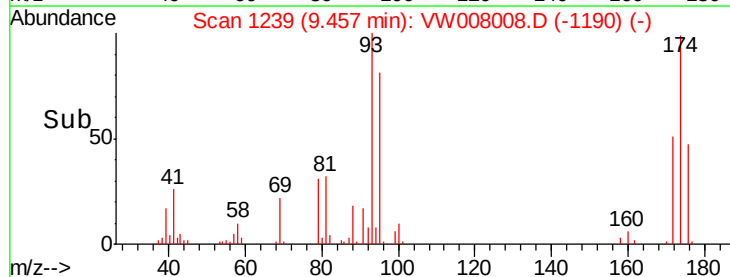
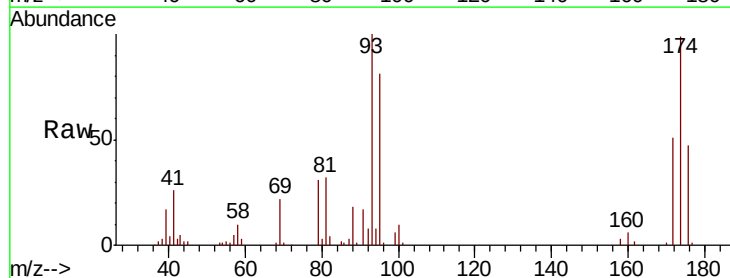
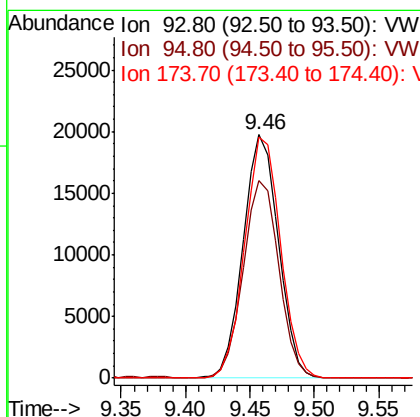
Manual Integrations
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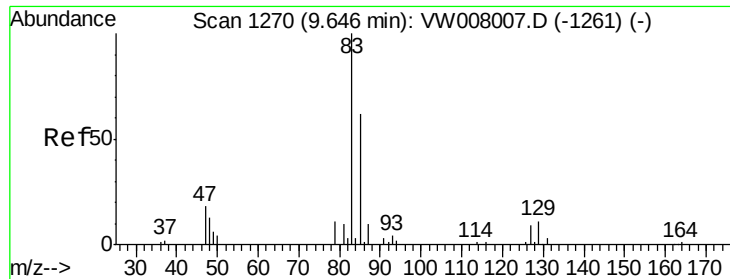
MMDadoda
 1/3/2019 10:55:32 AM



#46
 Dibromomethane
 Concen: 103.159 ug/l
 RT: 9.46 min Scan# 1239
 Delta R.T. 0.00 min
 Lab File: VW008008.D
 Acq: 02 Jan 2019 14:36

Tgt Ion	Ratio	Lower	Upper
93	100		
95	81.8	63.9	95.9
174	100.5	79.0	118.6





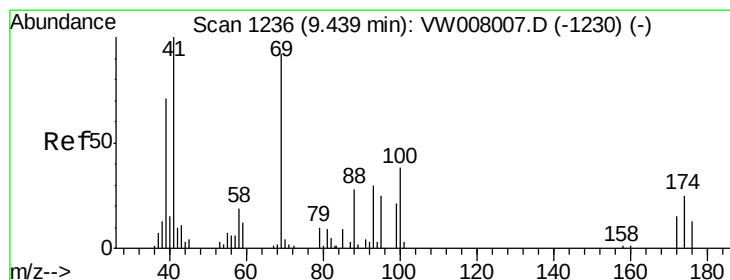
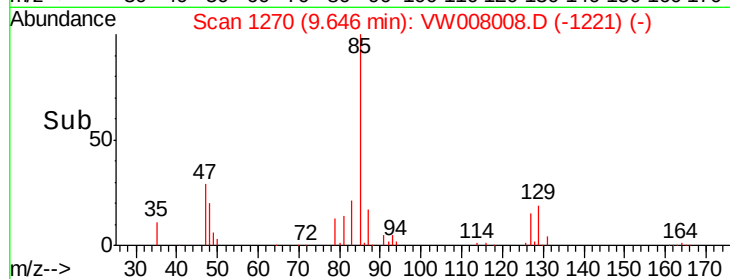
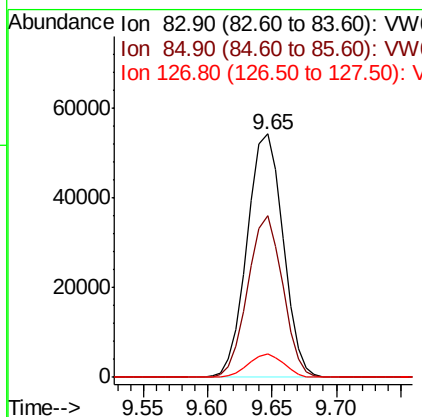
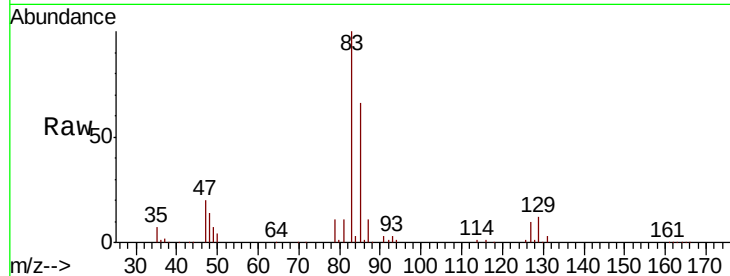
#47
Bromodichloromethane
Concen: 103.176 ug/l
RT: 9.65 min Scan# 1270
Delta R.T. 0.00 min
Lab File: VW008008.D
Acq: 02 Jan 2019 14:36

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC100

Tot Ion	83	Resp	104829
Ion Ratio	100	Lower	Upper
83	100		
85	66.2	49.5	74.3
127	9.8	7.5	11.3

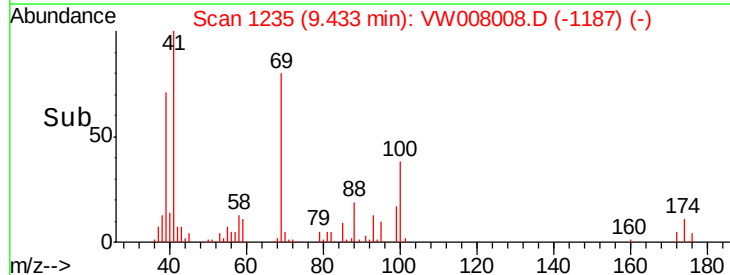
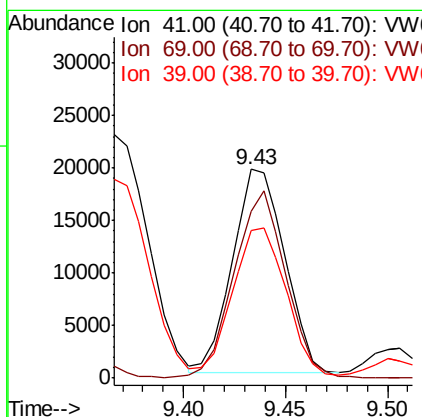
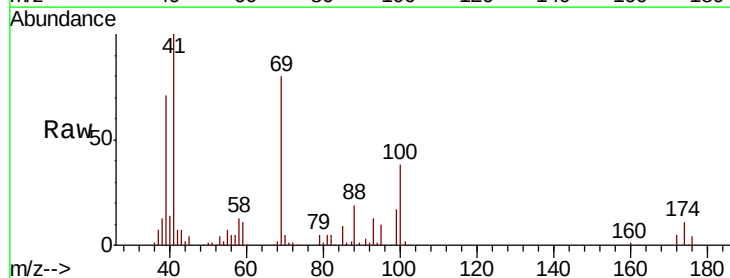
Manual Integrations
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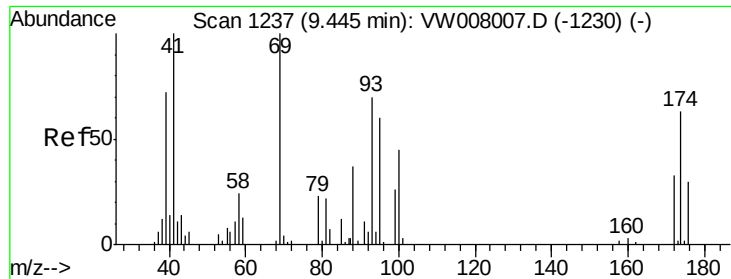
MMDadoda
1/3/2019 10:55:32 AM



#48
Methyl methacrylate
Concen: 104.586 ug/l
RT: 9.43 min Scan# 1235
Delta R.T. -0.01 min
Lab File: VW008008.D
Acq: 02 Jan 2019 14:36

Tgt Ion	41	Resp	34389
Ion Ratio	100	Lower	Upper
41	100		
69	91.3	72.3	108.5
39	73.3	58.7	88.1





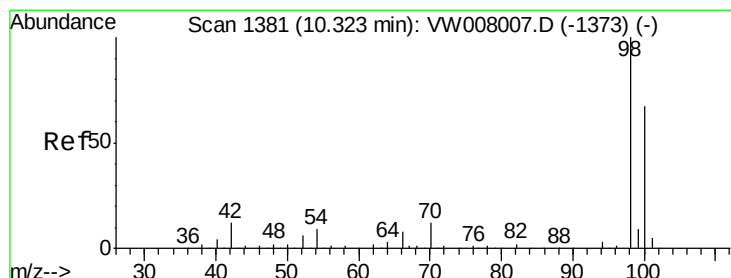
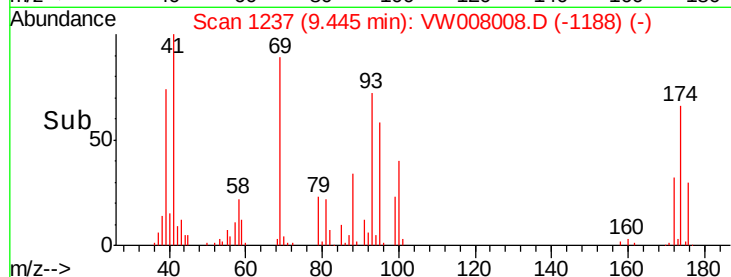
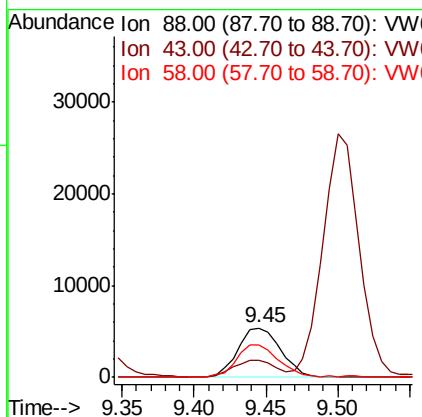
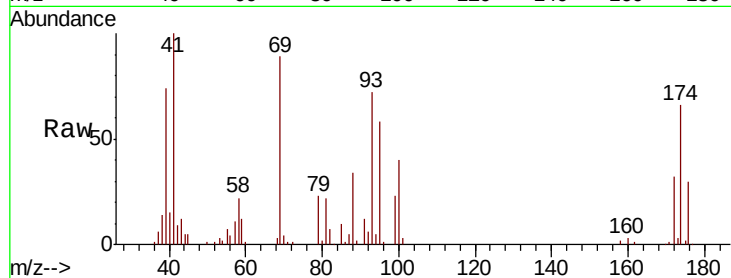
#49
1,4-Dioxane
Concen: 2063.640 ug/l
RT: 9.45 min Scan# 1237
Delta R.T. 0.00 min
Lab File: VW008008.D
Acq: 02 Jan 2019 14:36

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Lower	Upper
88	100		
43	33.6	26.8	40.2
58	64.8	55.8	83.6

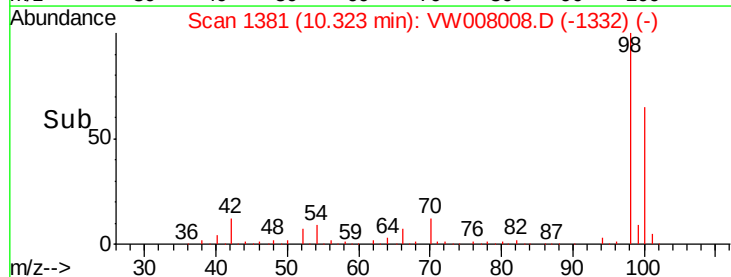
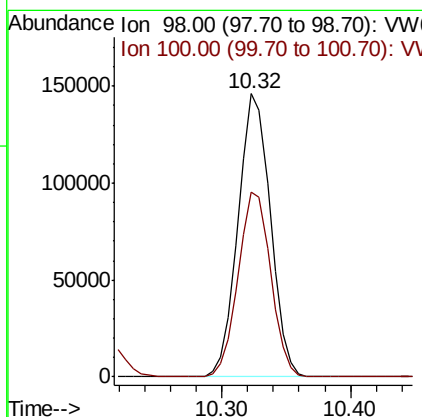
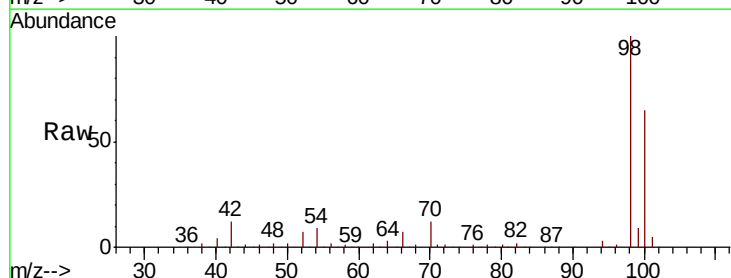
Manual Integrations
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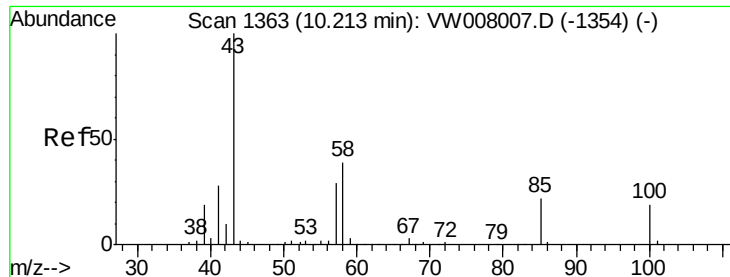
MMDadoda
1/3/2019 10:55:32 AM



#50
Toluene-d8
Concen: 97.555 ug/l
RT: 10.32 min Scan# 1381
Delta R.T. 0.00 min
Lab File: VW008008.D
Acq: 02 Jan 2019 14:36

Tgt Ion	Ratio	Lower	Upper
98	100		
100	65.5	52.9	79.3





#51

4-Methyl-2-Pentanone

Concen: 507.138 ug/l

RT: 10.21 min Scan# 1363

Delta R.T. 0.00 min

Lab File: VW008008.D

Acq: 02 Jan 2019 14:36

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC100

Tot Ion: 43 Resp: 153086

Ion Ratio Lower Upper

43 100

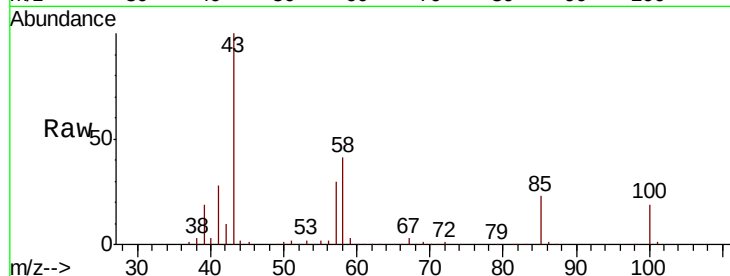
58 40.0 32.0 48.0

Manual Integrations

APPROVED

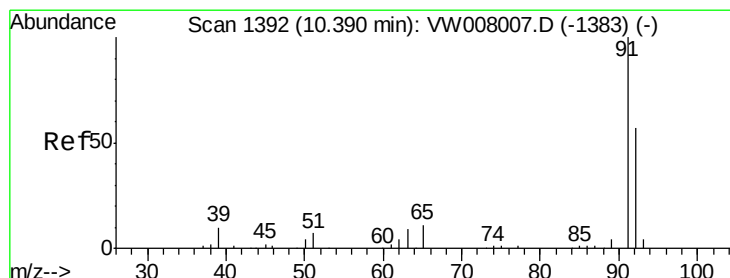
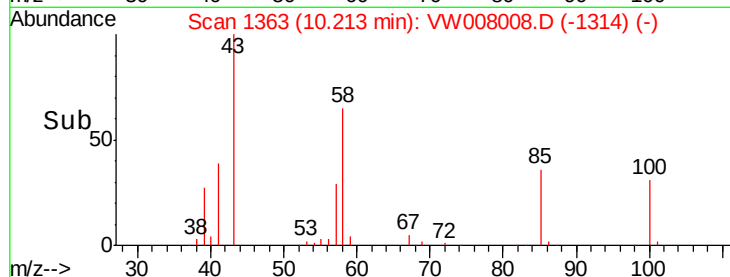
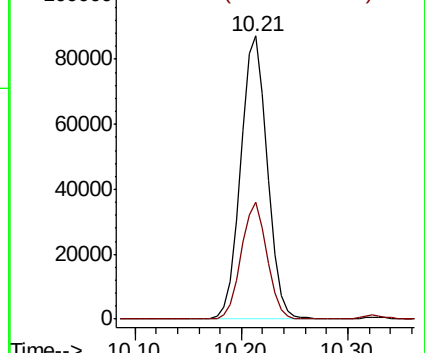
MMDadoda

1/3/2019 10:55:32 AM



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW



#52

Toluene

Concen: 101.907 ug/l

RT: 10.39 min Scan# 1392

Delta R.T. 0.00 min

Lab File: VW008008.D

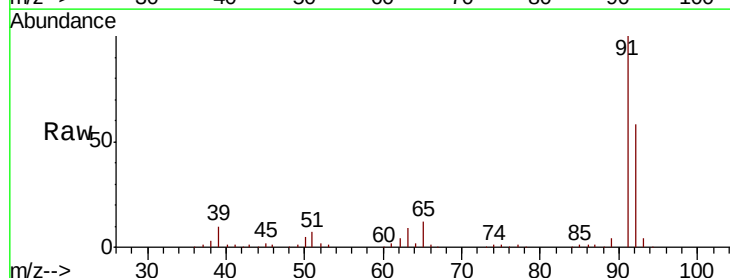
Acq: 02 Jan 2019 14:36

Tgt Ion: 92 Resp: 192843

Ion Ratio Lower Upper

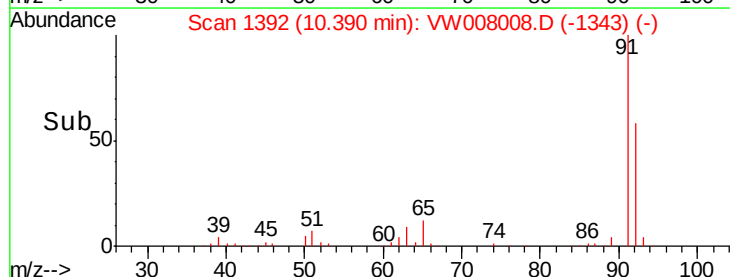
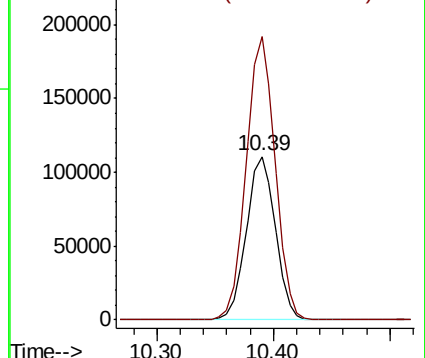
92 100

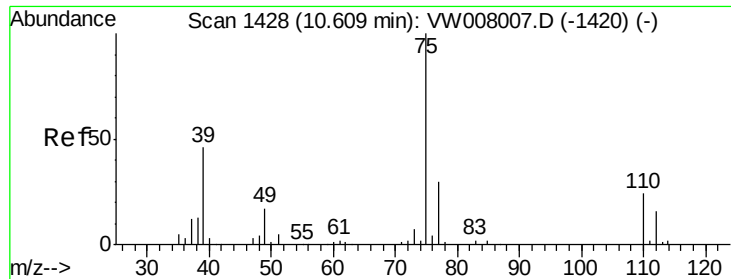
91 172.6 136.9 205.3



Abundance Ion 92.00 (91.70 to 92.70): VW

Ion 91.00 (90.70 to 91.70): VW





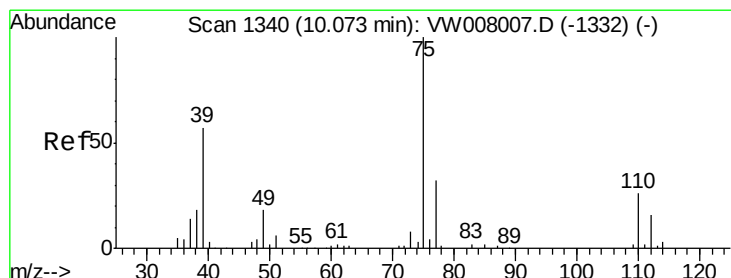
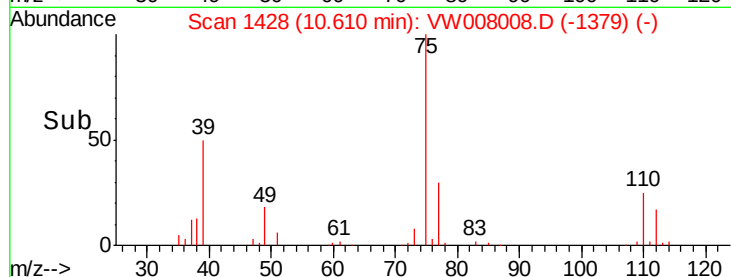
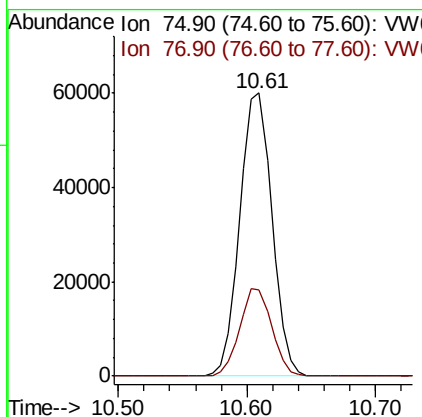
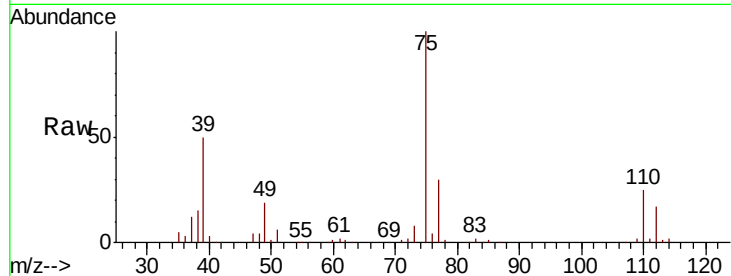
#53
 t-1,3-Dichloropropene
 Concen: 106.209 ug/l
 RT: 10.61 min Scan# 1428
 Delta R.T. 0.00 min
 Lab File: VW008008.D
 Acq: 02 Jan 2019 14:36

Instrument :
 MSVOA_W
 ClientSampled :
 VSTDIC100

Tot Ion: 75 Resp: 103765
 Ion Ratio Lower Upper
 75 100
 77 30.4 24.0 36.0

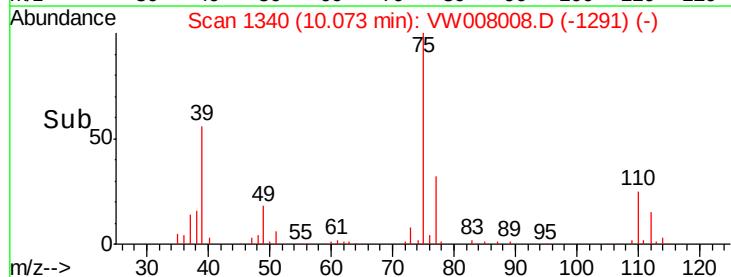
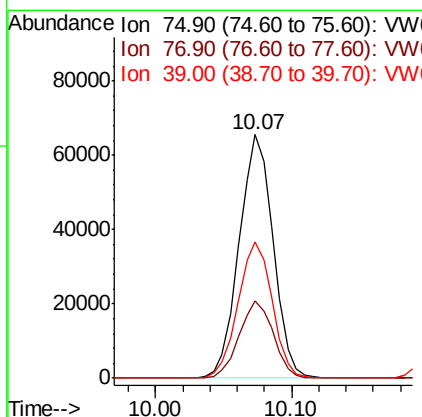
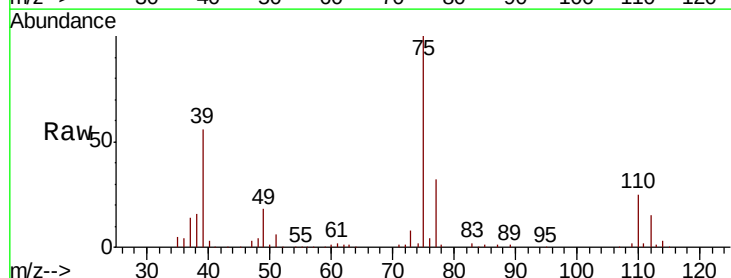
Manual Integrations
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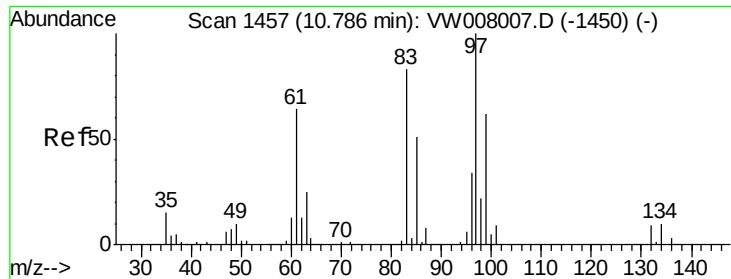
MMDadoda
 1/3/2019 10:55:32 AM



#54
 cis-1,3-Dichloropropene
 Concen: 104.798 ug/l
 RT: 10.07 min Scan# 1340
 Delta R.T. 0.00 min
 Lab File: VW008008.D
 Acq: 02 Jan 2019 14:36

Tgt Ion: 75 Resp: 114251
 Ion Ratio Lower Upper
 75 100
 77 31.6 25.9 38.9
 39 55.9 45.4 68.0





#55

1,1,2-Trichloroethane

Concen: 103.320 ug/l

RT: 10.79 min Scan# 1457

Delta R.T. 0.00 min

Lab File: VW008008.D

Acq: 02 Jan 2019 14:36

Instrument :

MSVOA_W

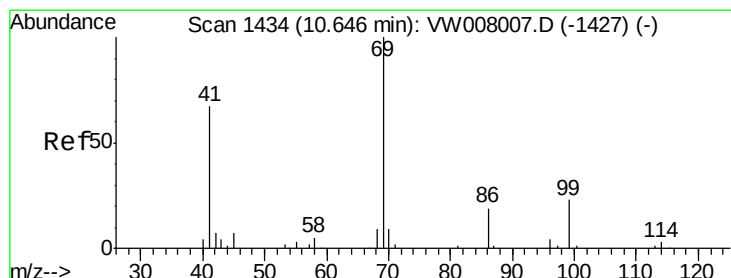
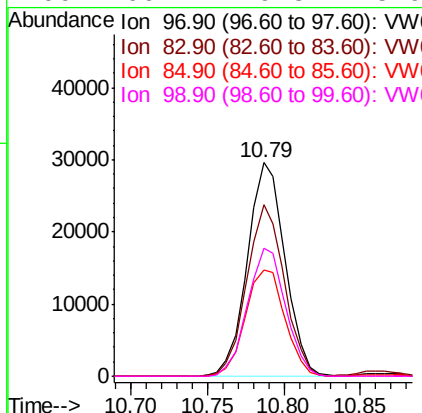
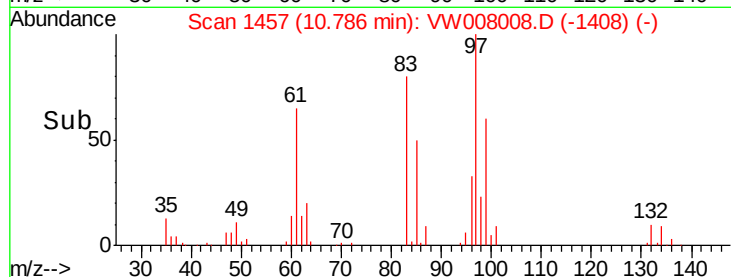
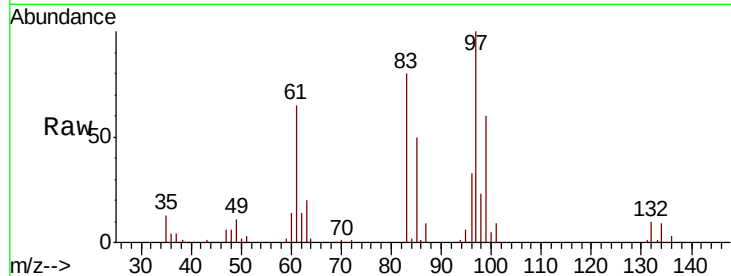
ClientSampled :

VSTDIC100

Tot Ion:	97	Resp:	50745
Ion	Ratio	Lower	Upper
97	100		
83	80.2	66.2	99.2
85	49.6	41.0	61.4
99	60.1	49.3	73.9

Manual Integrations
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MMDadoda
1/3/2019 10:55:32 AM



#56

Ethyl methacrylate

Concen: 107.629 ug/l

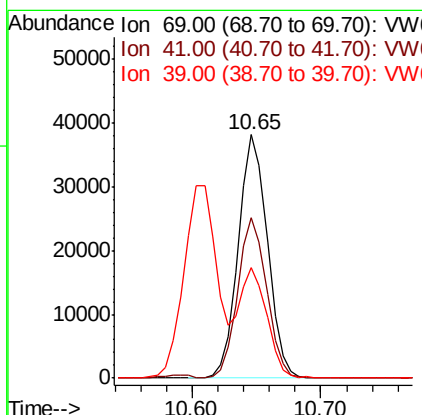
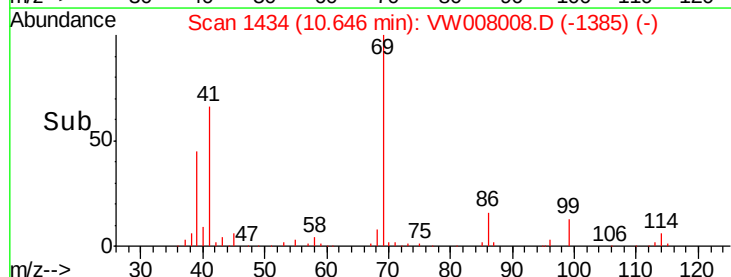
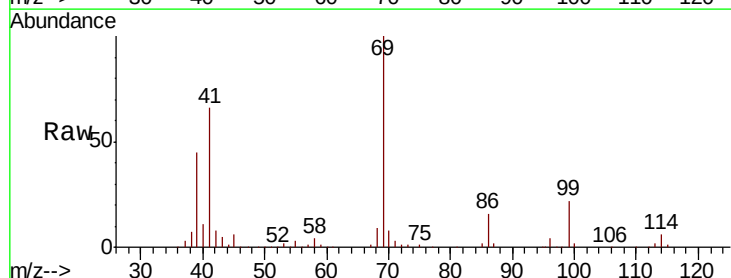
RT: 10.65 min Scan# 1434

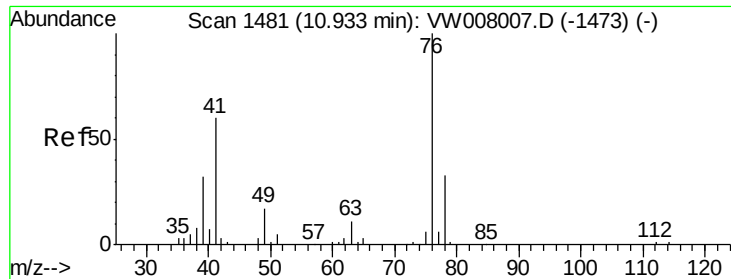
Delta R.T. 0.00 min

Lab File: VW008008.D

Acq: 02 Jan 2019 14:36

Tgt Ion:	69	Resp:	59760
Ion	Ratio	Lower	Upper
69	100		
41	65.1	52.6	79.0
39	44.1	35.8	53.6





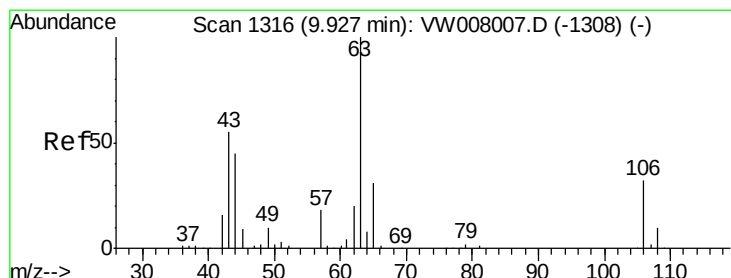
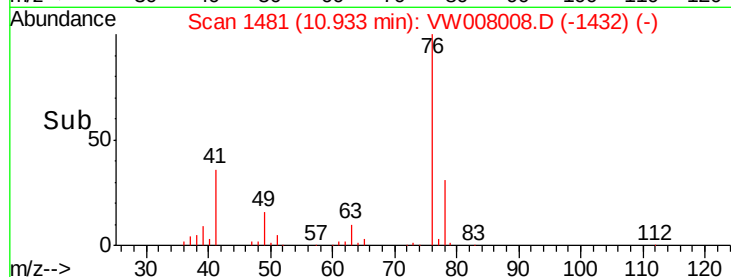
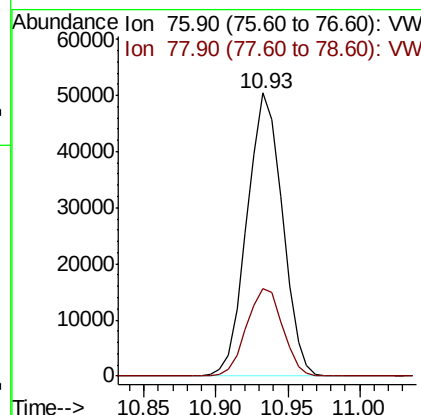
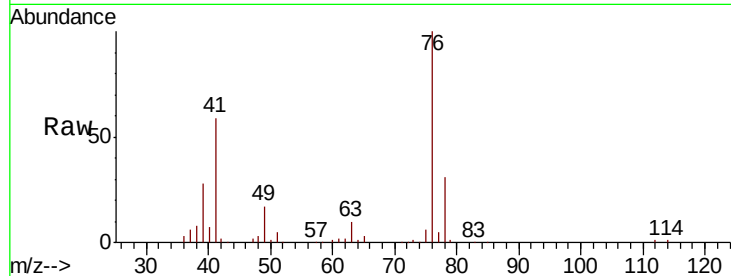
#57
 1,3-Dichloropropane
 Concen: 102.717 ug/l
 RT: 10.93 min Scan# 1481
 Delta R.T. 0.00 min
 Lab File: VW008008.D
 Acq: 02 Jan 2019 14:36

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC100

Tot Ion: 76 Resp: 85722
 Ion Ratio Lower Upper
 76 100
 78 31.5 26.7 40.1

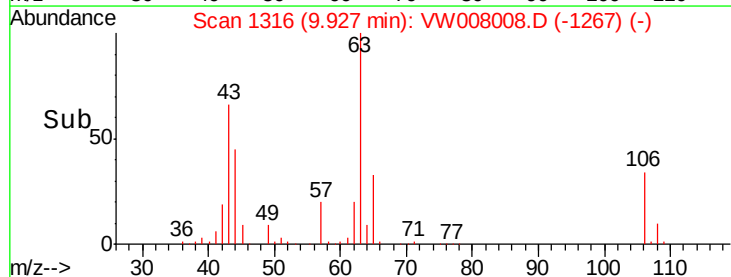
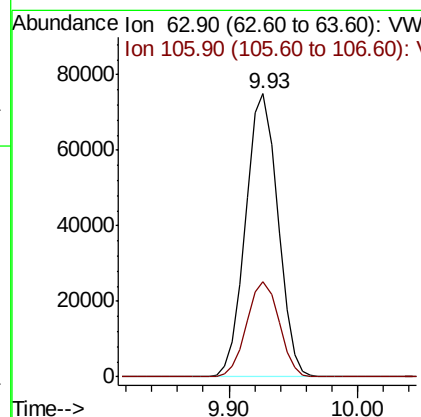
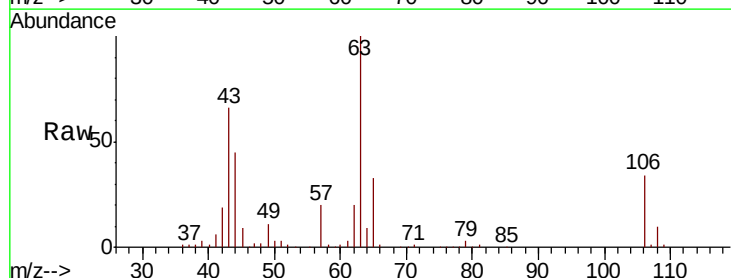
Manual Integrations
 APPROVED

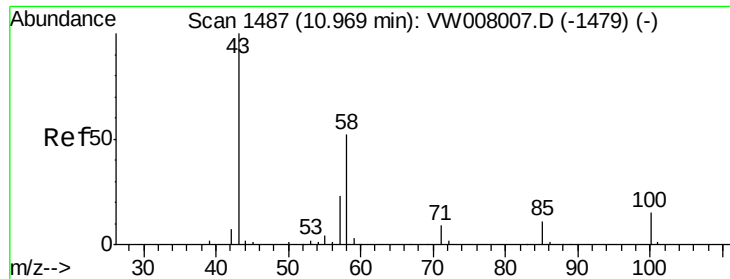
MMDadoda
 1/3/2019 10:55:32 AM



#58
 2-Chloroethyl Vinyl ether
 Concen: 492.720 ug/l
 RT: 9.93 min Scan# 1316
 Delta R.T. 0.00 min
 Lab File: VW008008.D
 Acq: 02 Jan 2019 14:36

Tgt Ion: 63 Resp: 129747
 Ion Ratio Lower Upper
 63 100
 106 33.7 26.9 40.3





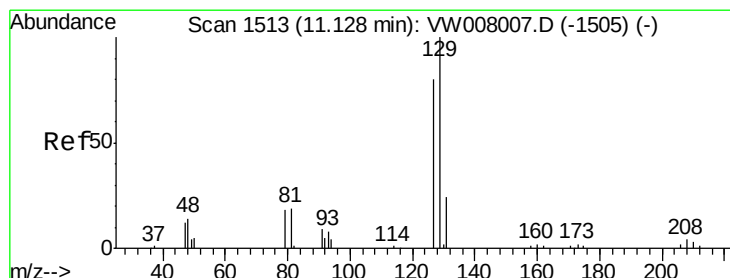
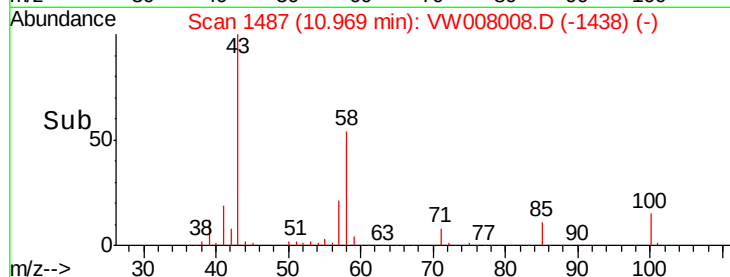
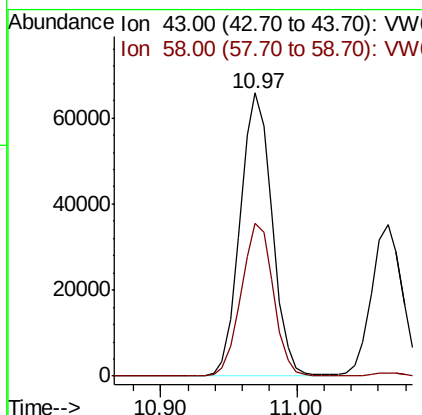
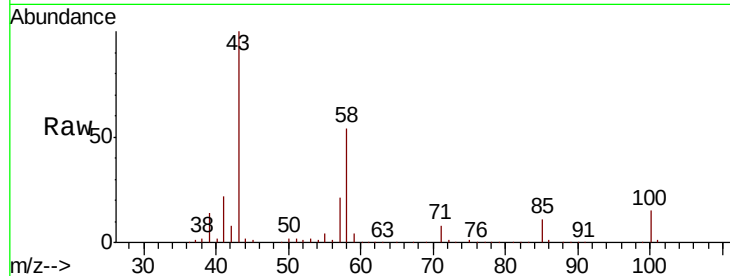
#59
2-Hexanone
Concen: 519.265 ug/l
RT: 10.97 min Scan# 1487
Delta R.T. 0.00 min
Lab File: VW008008.D
Acq: 02 Jan 2019 14:36

Instrument :
MSVOA_W
ClientSampleId :
VSTDICC100

Tot Ion: 43 Resp: 108211
Ion Ratio Lower Upper
43 100
58 53.8 27.1 81.2

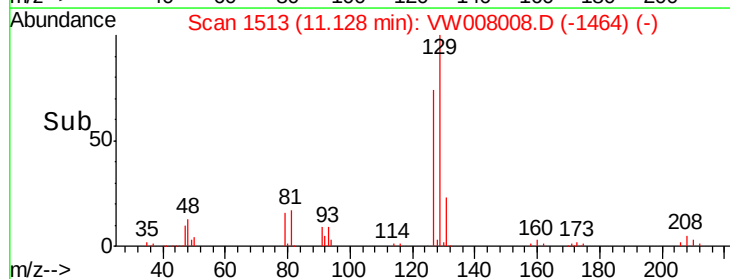
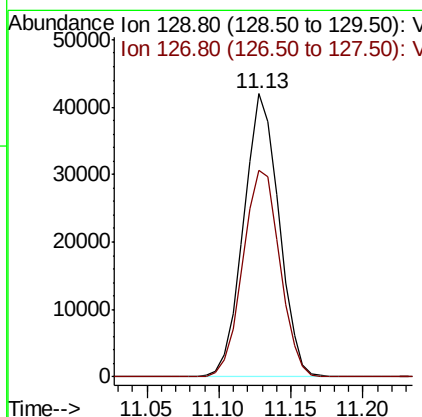
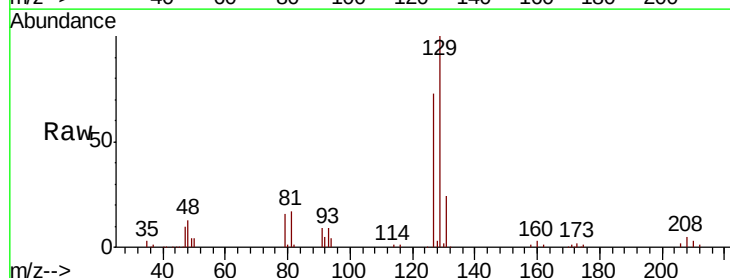
Manual Integrations
APPROVED

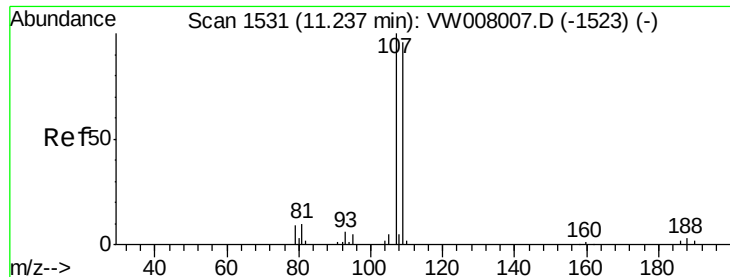
MMDadoda
1/3/2019 10:55:32 AM



#60
Dibromochloromethane
Concen: 105.984 ug/l
RT: 11.13 min Scan# 1513
Delta R.T. 0.00 min
Lab File: VW008008.D
Acq: 02 Jan 2019 14:36

Tgt Ion: 129 Resp: 71252
Ion Ratio Lower Upper
129 100
127 76.5 38.6 116.0





#61

1,2-Dibromoethane

Concen: 104.402 ug/l

RT: 11.24 min Scan# 1531

Delta R.T. 0.00 min

Lab File: VW008008.D

Acq: 02 Jan 2019 14:36

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC100

Tot Ion: 107 Resp: 51314

Ion Ratio Lower Upper

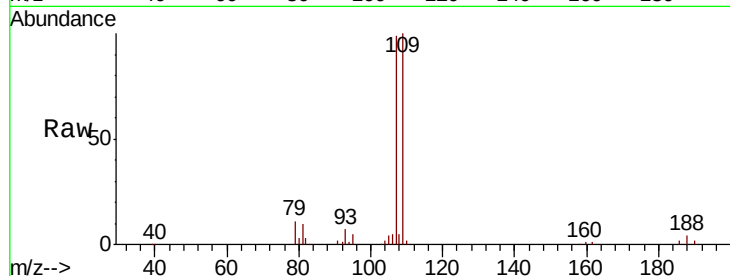
107 100

109 94.2 77.2 115.8

Manual Integrations
APPROVED

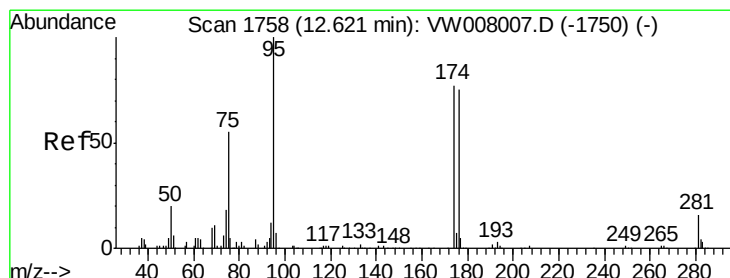
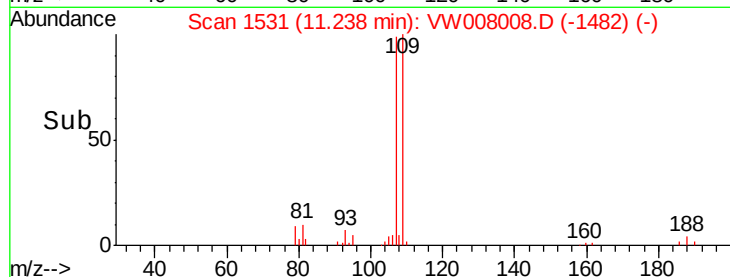
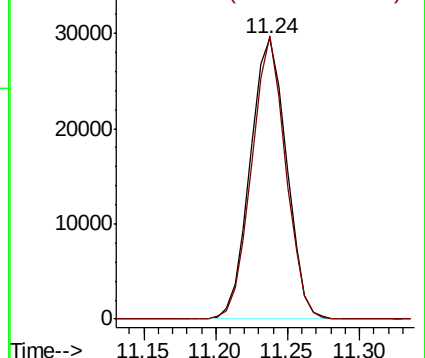
MMDadoda

1/3/2019 10:55:32 AM



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V



#62

4-Bromofluorobenzene

Concen: 97.137 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. 0.00 min

Lab File: VW008008.D

Acq: 02 Jan 2019 14:36

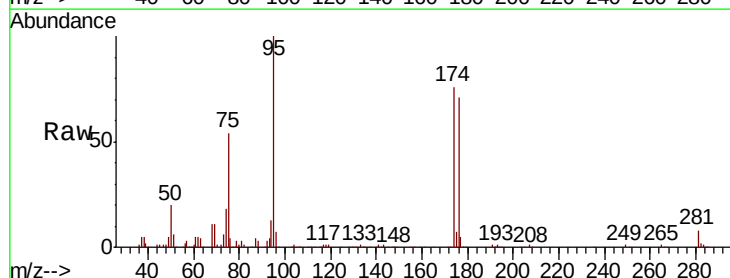
Tgt Ion: 95 Resp: 97034

Ion Ratio Lower Upper

95 100

174 75.5 0.0 149.6

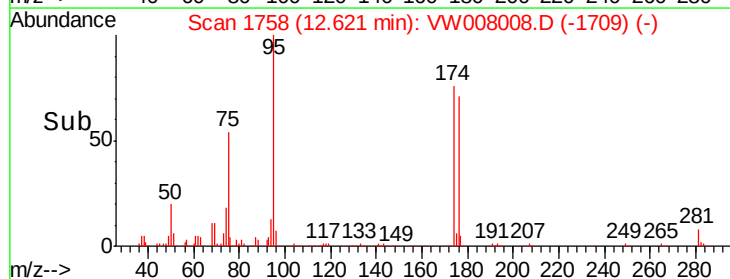
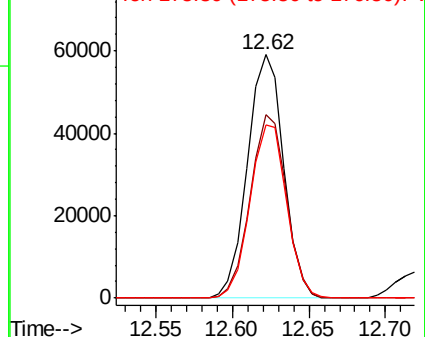
176 72.3 0.0 145.4

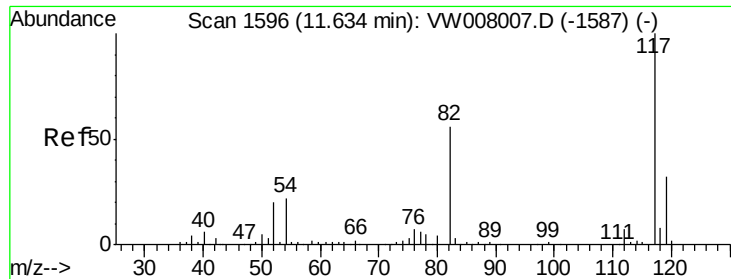


Abundance Ion 94.90 (94.60 to 95.60): VW

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V





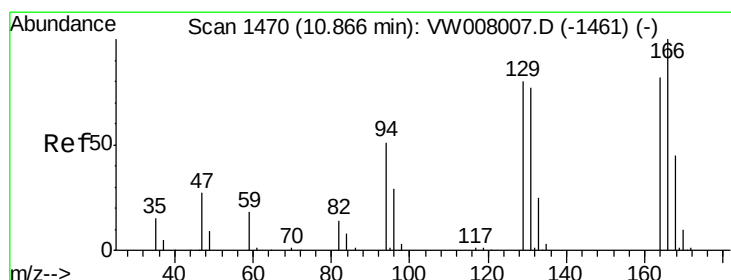
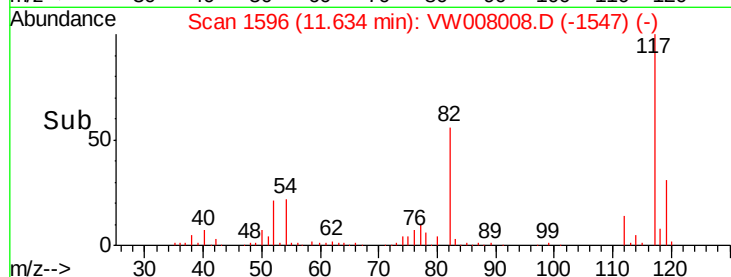
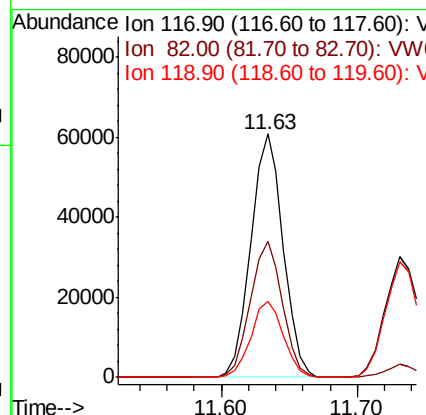
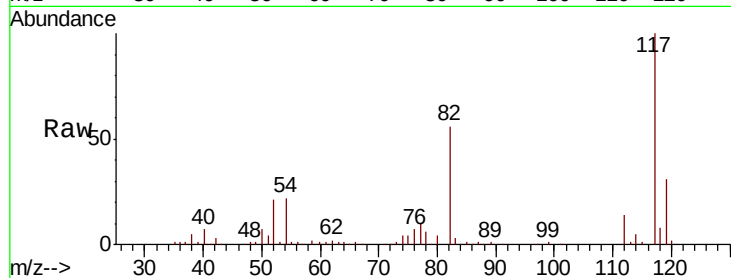
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1596
Delta R.T. 0.00 min
Lab File: VW008008.D
Acq: 02 Jan 2019 14:36

Instrument :
MSVOA_W
ClientSampled :
VSTDIC100

Tot Ion	Ratio	Lower	Upper
117	100		
82	55.9	44.8	67.2
119	31.5	25.6	38.4

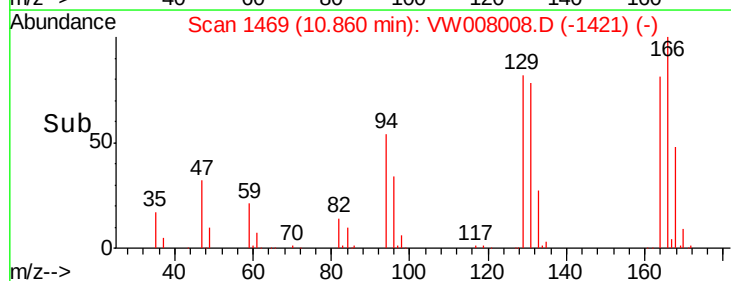
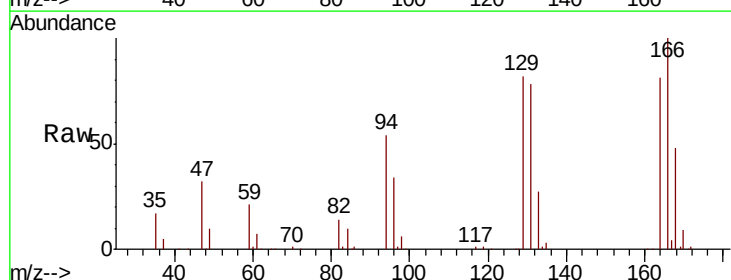
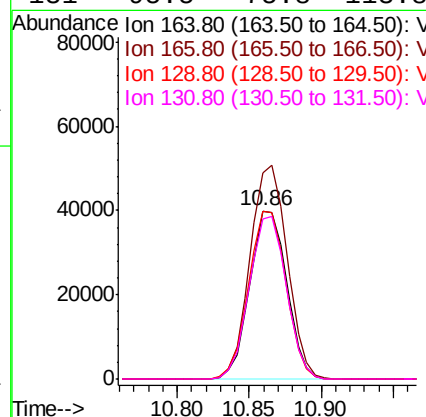
Manual Integrations
APPROVED

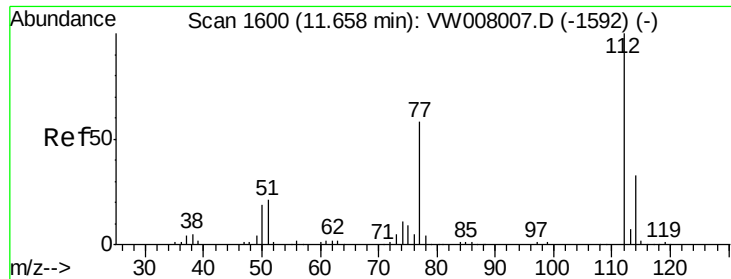
MMDadoda
1/3/2019 10:55:32 AM



#64
Tetrachloroethene
Concen: 101.362 ug/l
RT: 10.86 min Scan# 1469
Delta R.T. -0.01 min
Lab File: VW008008.D
Acq: 02 Jan 2019 14:36

Tgt Ion	Ratio	Lower	Upper
164	100		
166	122.8	98.1	147.1
129	100.2	78.0	117.0
131	95.5	75.8	113.8





#65

Chlorobenzene

Concen: 102.003 ug/l

RT: 11.66 min Scan# 1600

Delta R.T. 0.00 min

Lab File: VW008008.D

Acq: 02 Jan 2019 14:36

Instrument :

MSVOA_W

ClientSampled :

VSTDIC100

Tot Ion:112 Resp: 220343

Ion Ratio Lower Upper

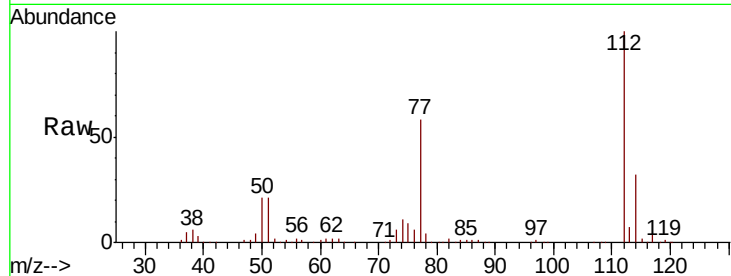
112 100

114 31.8 26.0 39.0

Manual Integrations
APPROVED

MMDadoda

1/3/2019 10:55:32 AM



Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V

11.66

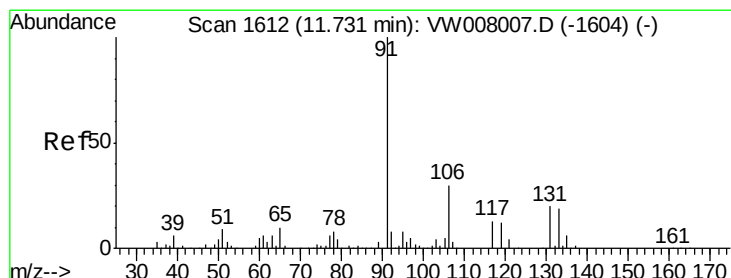
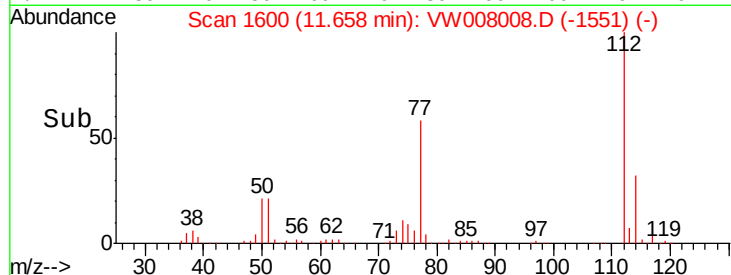
150000

100000

50000

0

Time-->



#66

1,1,1,2-Tetrachloroethane

Concen: 102.815 ug/l

RT: 11.73 min Scan# 1612

Delta R.T. 0.00 min

Lab File: VW008008.D

Acq: 02 Jan 2019 14:36

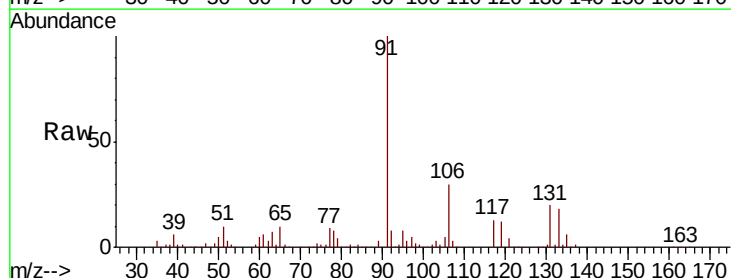
Tgt Ion:131 Resp: 80429

Ion Ratio Lower Upper

131 100

133 93.1 49.1 147.3

119 60.8 30.6 91.6



Abundance Ion 130.80 (130.50 to 131.50): V

Ion 132.80 (132.50 to 133.50): V

Ion 118.80 (118.50 to 119.50): V

11.73

60000

50000

40000

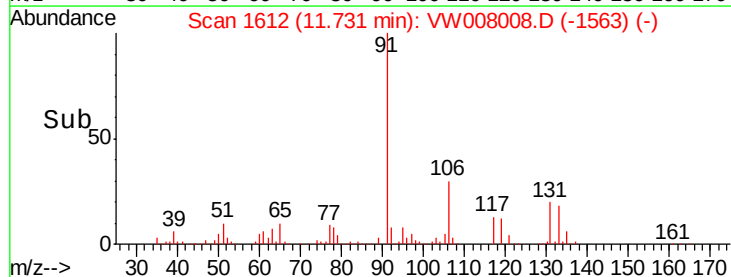
30000

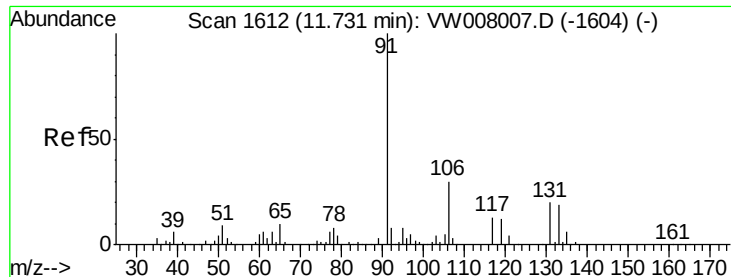
20000

10000

0

Time-->





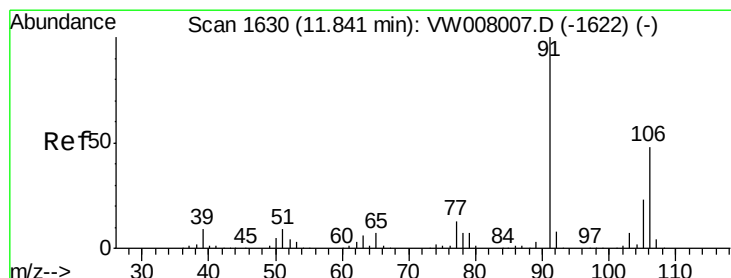
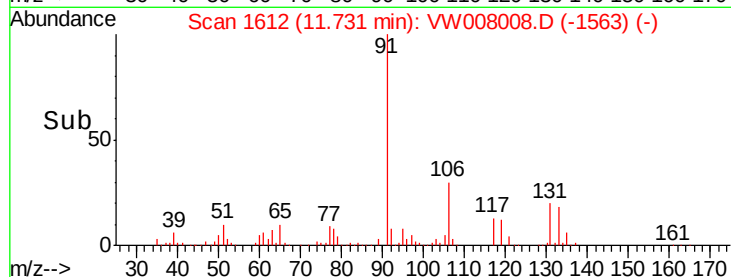
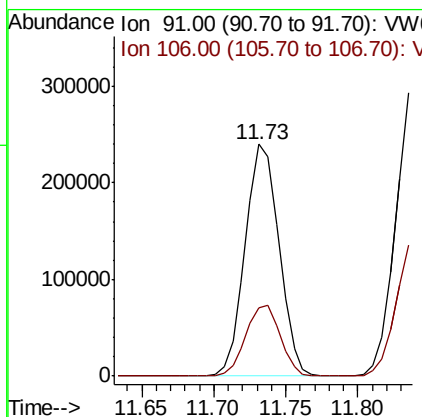
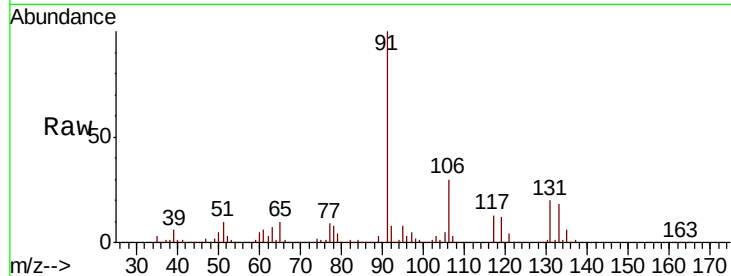
#67
Ethyl Benzene
Concen: 101.995 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. 0.00 min
Lab File: VW008008.D
Acq: 02 Jan 2019 14:36

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC100

Tot Ion: 91 Resp: 391072
Ion Ratio Lower Upper
91 100
106 29.6 24.3 36.5

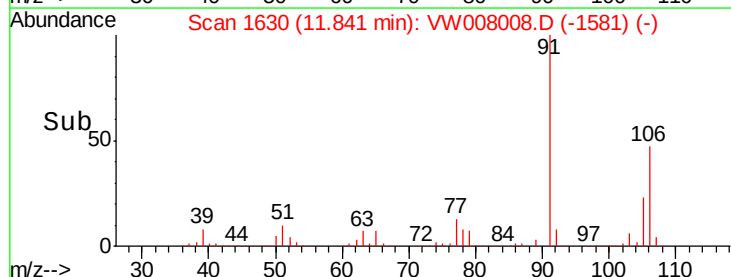
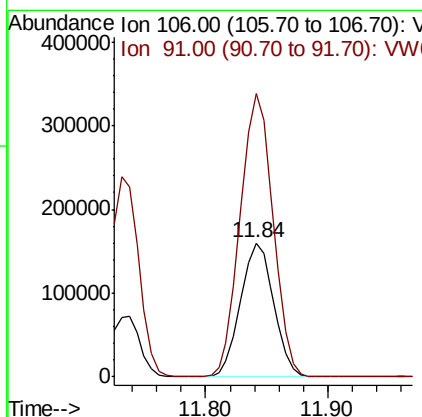
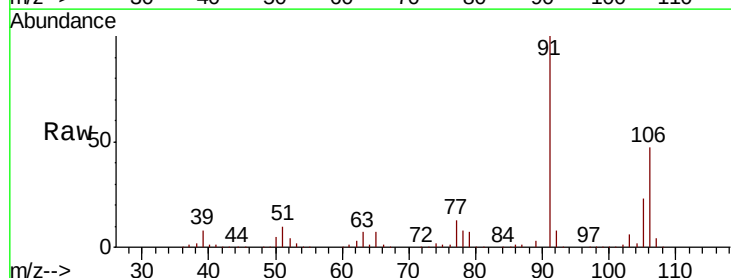
Manual Integrations
APPROVED

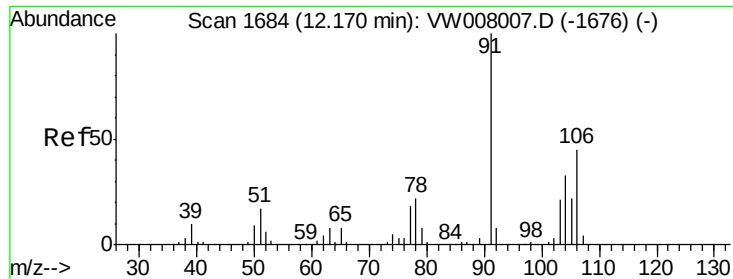
MMDadoda
1/3/2019 10:55:32 AM



#68
m/p-Xylenes
Concen: 202.836 ug/l
RT: 11.84 min Scan# 1630
Delta R.T. 0.00 min
Lab File: VW008008.D
Acq: 02 Jan 2019 14:36

Tgt Ion: 106 Resp: 300672
Ion Ratio Lower Upper
106 100
91 210.0 165.8 248.8





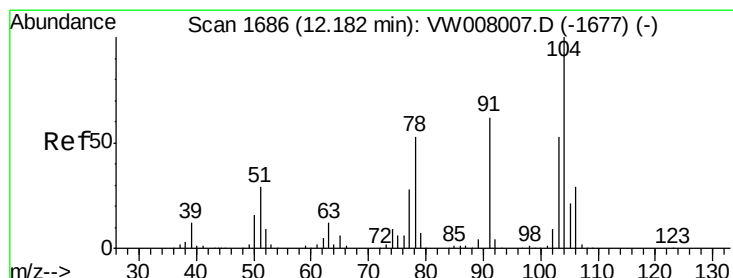
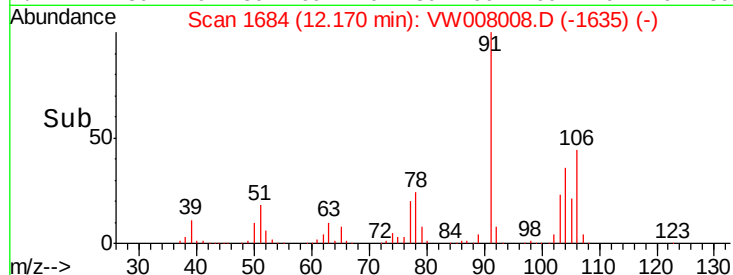
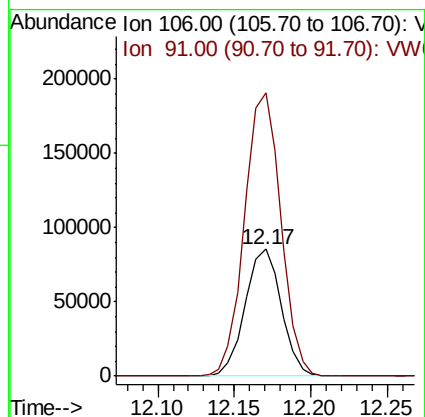
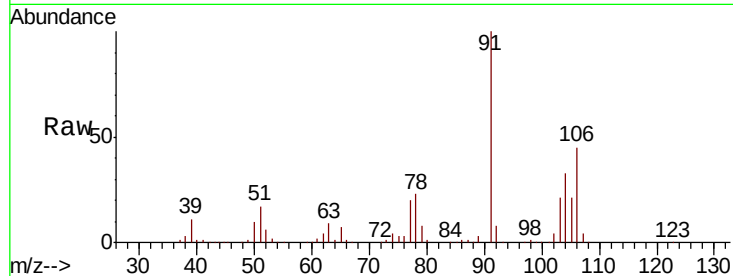
#69
o-Xylene
Concen: 101.742 ug/l
RT: 12.17 min Scan# 1684
Delta R.T. 0.00 min
Lab File: VW008008.D
Acq: 02 Jan 2019 14:36

Instrument :
MSVOA_W
ClientSampled :
VSTDIC100

Tot Ion:106 Resp: 140334
Ion Ratio Lower Upper
106 100
91 224.4 110.6 331.6

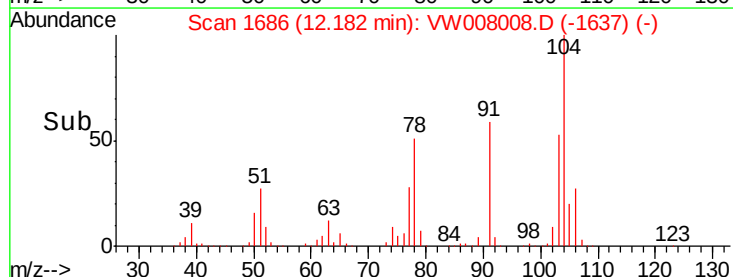
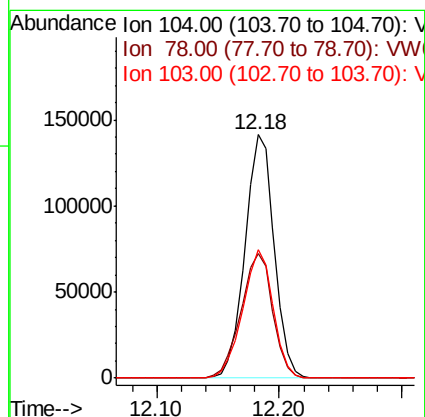
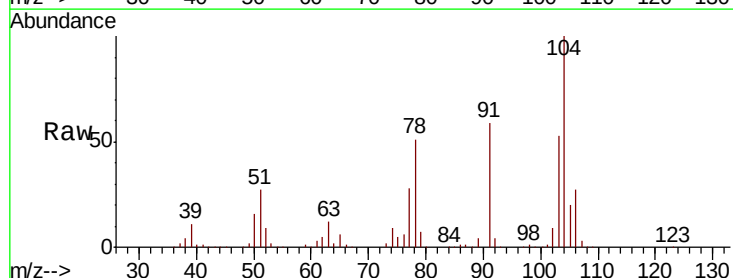
Manual Integrations
APPROVED

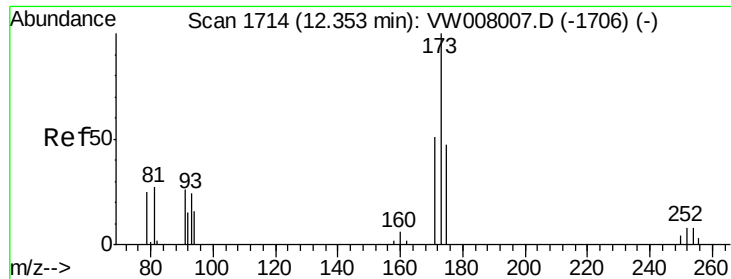
MMDadoda
1/3/2019 10:55:32 AM



#70
Styrene
Concen: 103.844 ug/l
RT: 12.18 min Scan# 1686
Delta R.T. 0.00 min
Lab File: VW008008.D
Acq: 02 Jan 2019 14:36

Tgt Ion:104 Resp: 233457
Ion Ratio Lower Upper
104 100
78 55.7 44.0 66.0
103 55.3 44.6 66.8





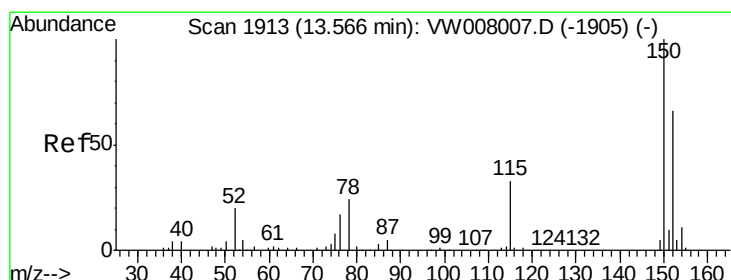
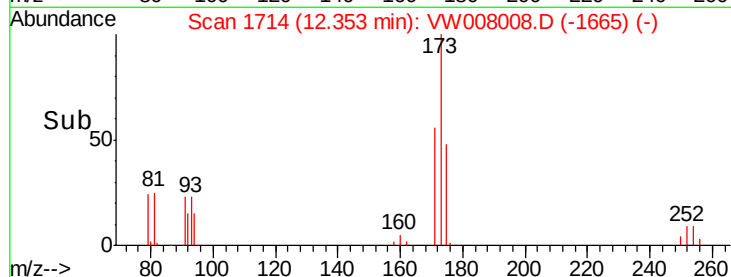
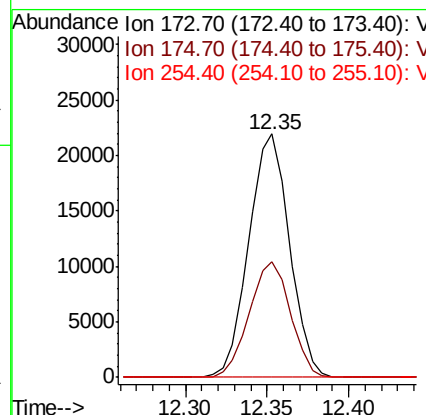
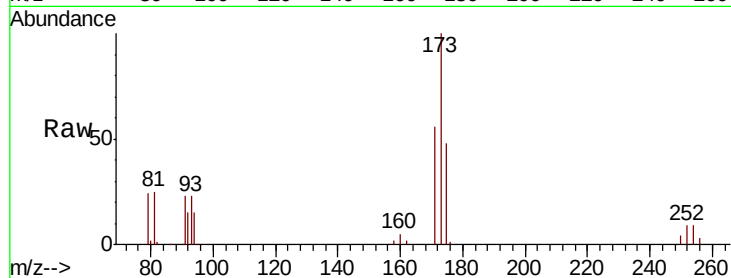
#71
Bromoform
Concen: 104.714 ug/l
RT: 12.35 min Scan# 1714
Delta R.T. 0.00 min
Lab File: VW008008.D
Acq: 02 Jan 2019 14:36

Instrument :
MSVOA_W
ClientSampled :
VSTDICC100

Tot Ion	Ratio	Lower	Upper
173	100		
175	48.1	23.6	71.0
254	0.0	0.0	0.0

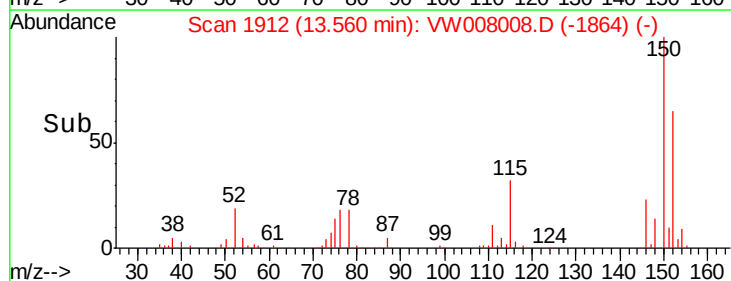
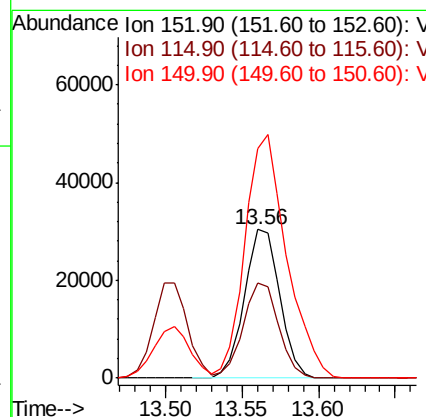
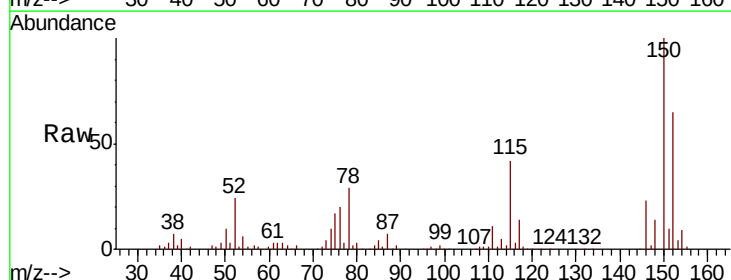
Manual Integrations
APPROVED

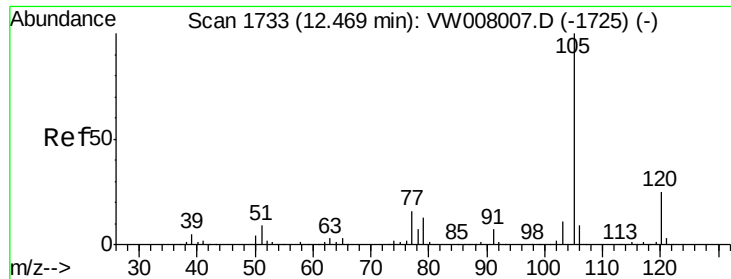
MMDadoda
1/3/2019 10:55:32 AM



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.56 min Scan# 1912
Delta R.T. -0.01 min
Lab File: VW008008.D
Acq: 02 Jan 2019 14:36

Tgt Ion	Ratio	Lower	Upper
152	100		
115	64.4	32.1	96.5
150	192.8	0.0	345.0





#73

Isopropylbenzene

Concen: 104.607 ug/l

RT: 12.47 min Scan# 1733

Delta R.T. 0.00 min

Lab File: VW008008.D

Acq: 02 Jan 2019 14:36

Instrument :

MSVOA_W

ClientSampled :

VSTDIC100

Tot Ion:105 Resp: 406190

Ion Ratio Lower Upper

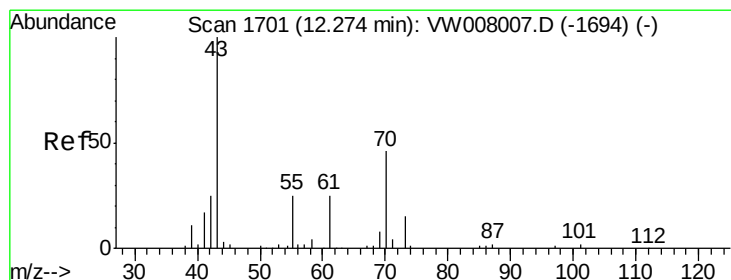
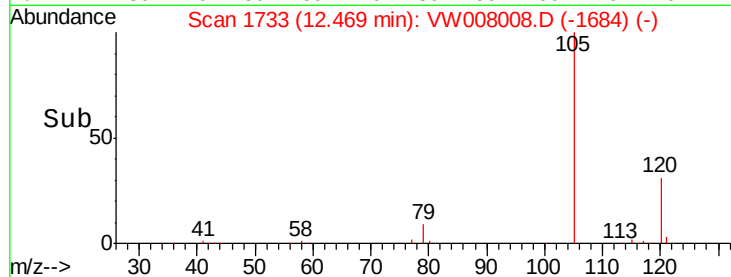
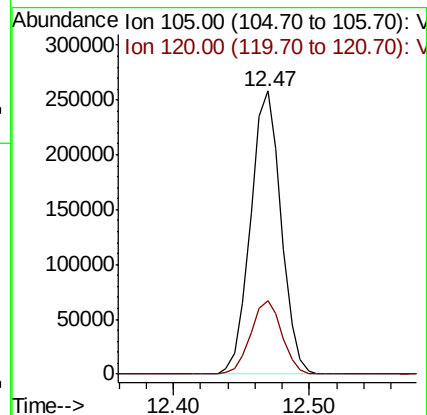
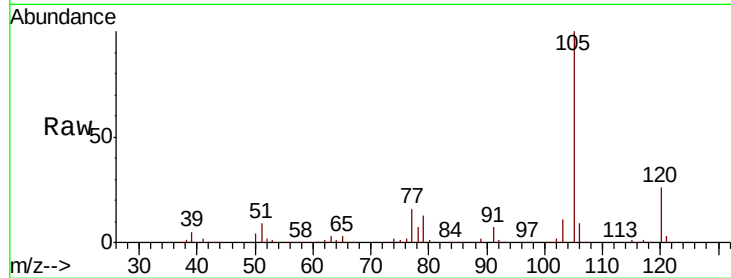
105 100

120 26.2 12.8 38.3

Manual Integrations
APPROVED

MMDadoda

1/3/2019 10:55:32 AM



#74

N-amyl acetate

Concen: 105.528 ug/l

RT: 12.27 min Scan# 1701

Delta R.T. 0.00 min

Lab File: VW008008.D

Acq: 02 Jan 2019 14:36

Tgt Ion: 43 Resp: 63785

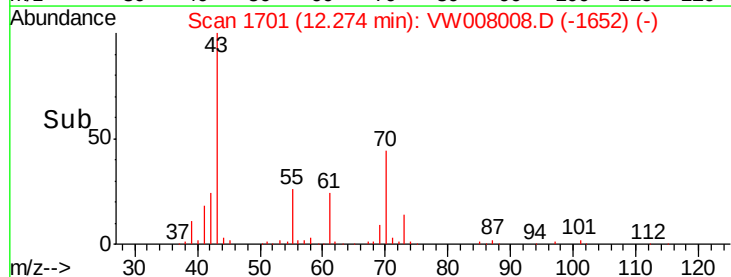
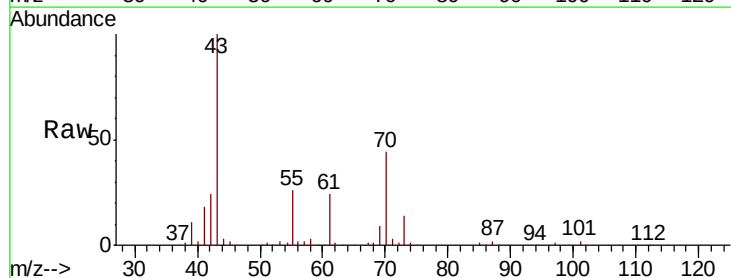
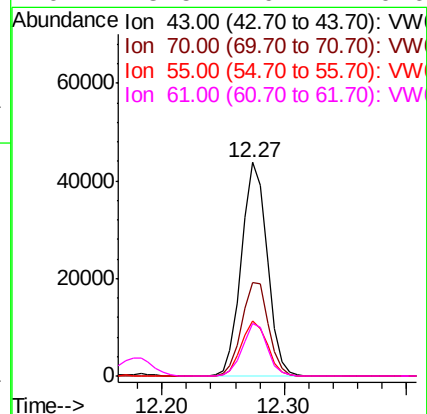
Ion Ratio Lower Upper

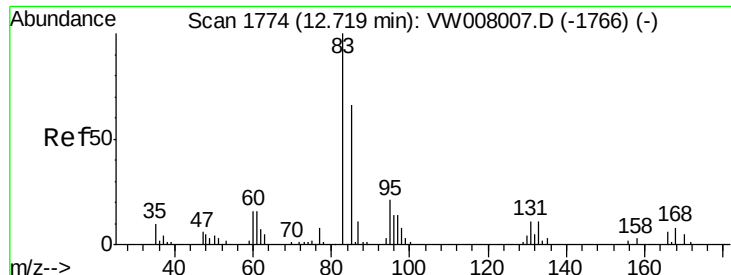
43 100

70 44.9 35.2 52.8

55 26.0 21.4 32.0

61 23.5 19.4 29.0





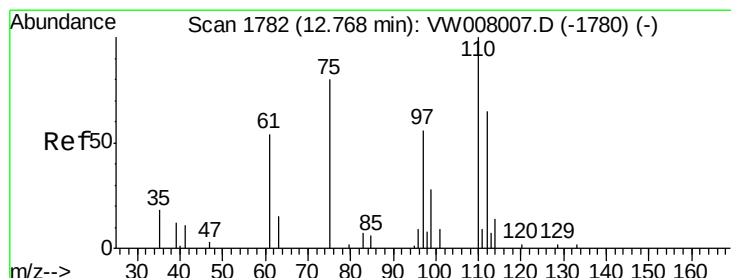
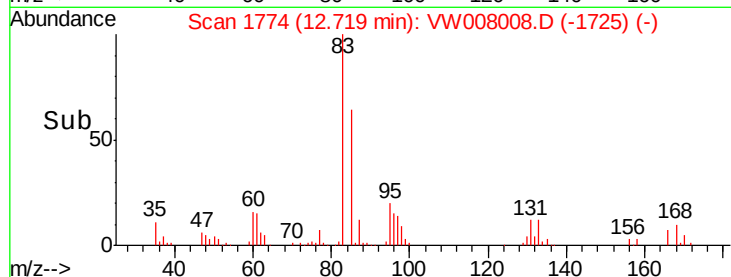
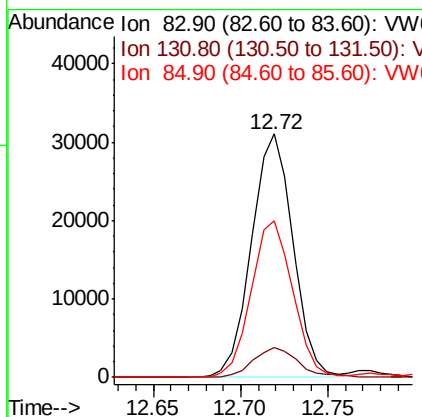
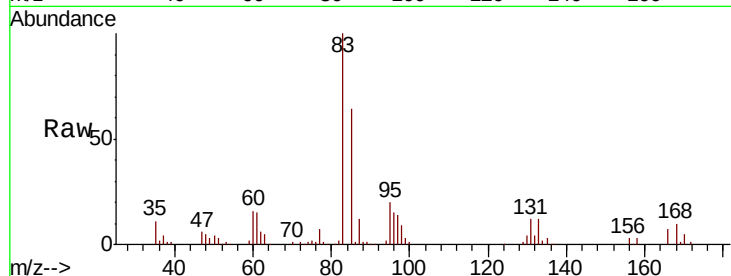
#75
 1,1,2,2-Tetrachloroethane
 Concen: 103.436 ug/l
 RT: 12.72 min Scan# 1774
 Delta R.T. 0.00 min
 Lab File: VW008008.D
 Acq: 02 Jan 2019 14:36

Instrument :
 MSVOA_W
 ClientSampled :
 VSTDIC100

Tot Ion	83	Resp	51104
Ion Ratio	100	Lower	Upper
83	100		
131	13.4	6.5	19.5
85	64.6	32.8	98.3

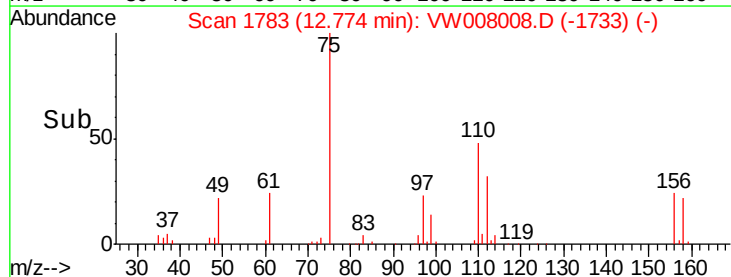
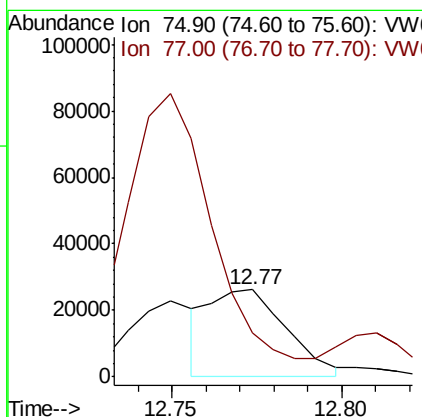
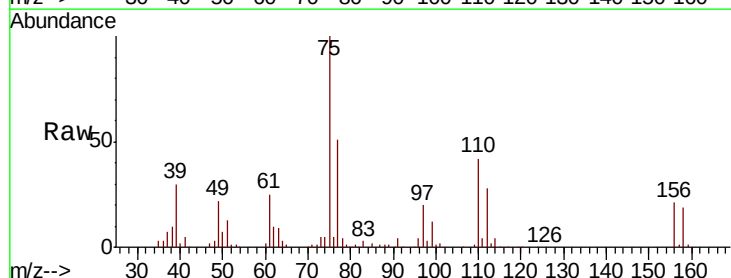
Manual Integrations
 APPROVED

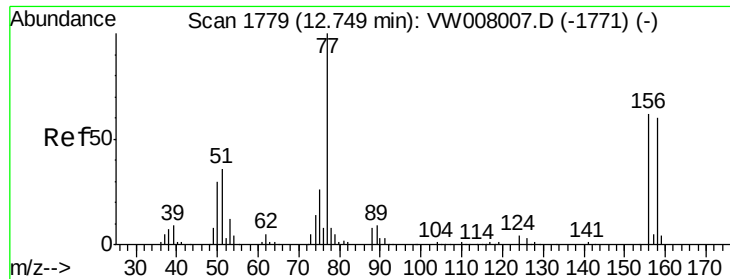
MMDadoda
 1/3/2019 10:55:32 AM



#76
 1,2,3-Trichloropropane
 Concen: 61.092 ug/l m
 RT: 12.77 min Scan# 1783
 Delta R.T. 0.01 min
 Lab File: VW008008.D
 Acq: 02 Jan 2019 14:36

Tgt Ion	75	Resp	41555
Ion Ratio	100	Lower	Upper
75	100		
77	0.0	186.2	558.6#





#77

Bromobenzene

Concen: 103.597 ug/l

RT: 12.75 min Scan# 1779

Delta R.T. 0.00 min

Lab File: VW008008.D

Acq: 02 Jan 2019 14:36

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC100

Tot Ion:156 Resp: 86463

Ion Ratio Lower Upper

156 100

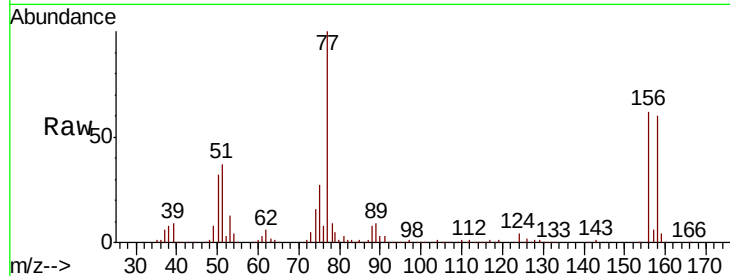
77 180.9 87.9 263.8

158 96.8 47.8 143.4

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MMDadoda

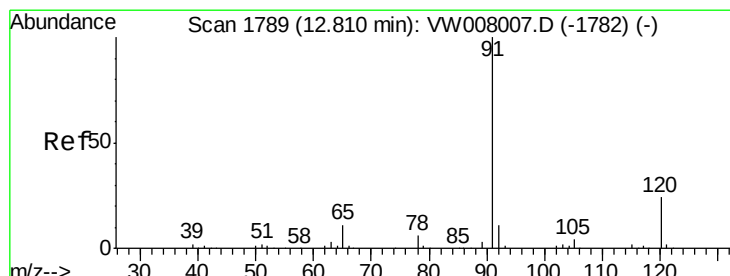
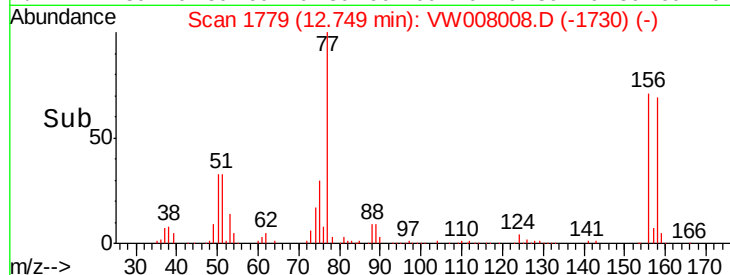
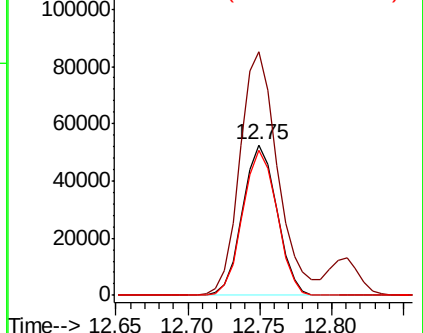
1/3/2019 10:55:32 AM



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VW

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 104.209 ug/l

RT: 12.81 min Scan# 1789

Delta R.T. 0.00 min

Lab File: VW008008.D

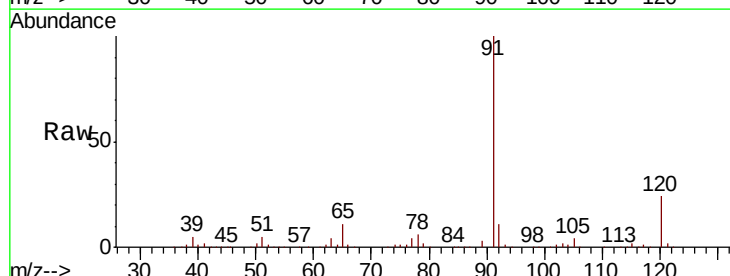
Acq: 02 Jan 2019 14:36

Tgt Ion: 91 Resp: 469150

Ion Ratio Lower Upper

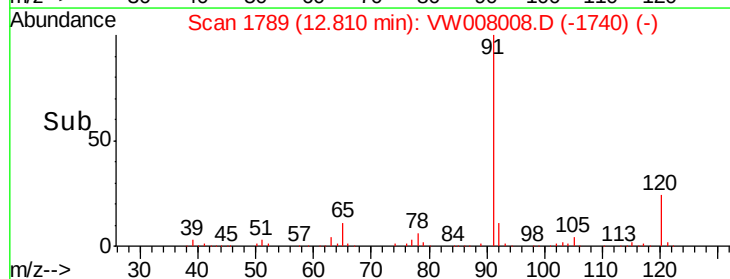
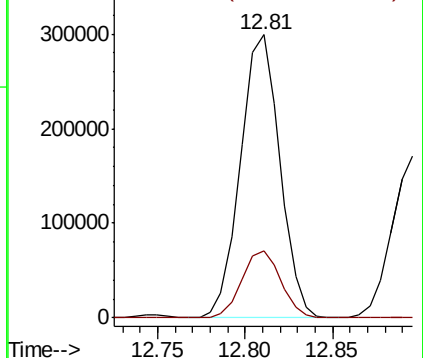
91 100

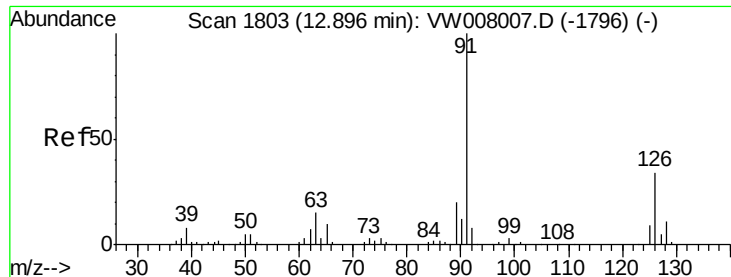
120 23.6 11.5 34.5



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 120.00 (119.70 to 120.70): V





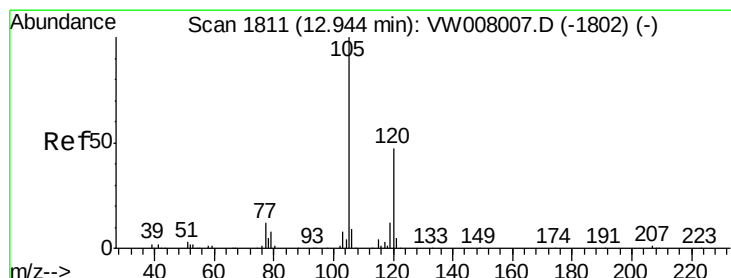
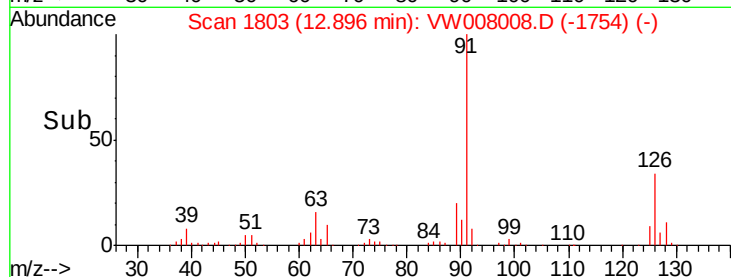
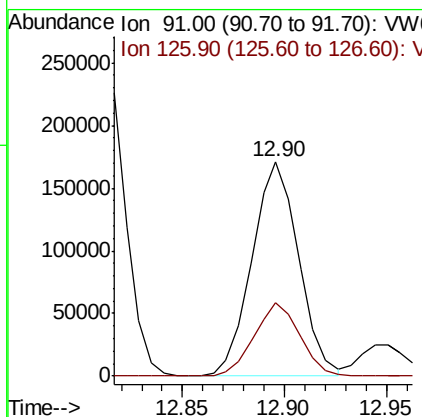
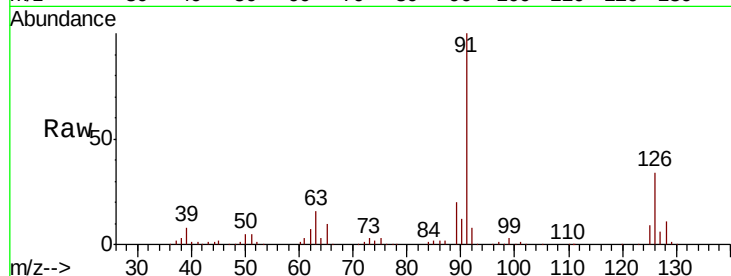
#79
 2-Chlorotoluene
 Concen: 104.691 ug/l
 RT: 12.90 min Scan# 1803
 Delta R.T. 0.00 min
 Lab File: VW008008.D
 Acq: 02 Jan 2019 14:36

Instrument :
 MSVOA_W
 ClientSampled :
 VSTDIC100

Tot Ion: 91 Resp: 272404
 Ion Ratio Lower Upper
 91 100
 126 33.2 17.1 51.2

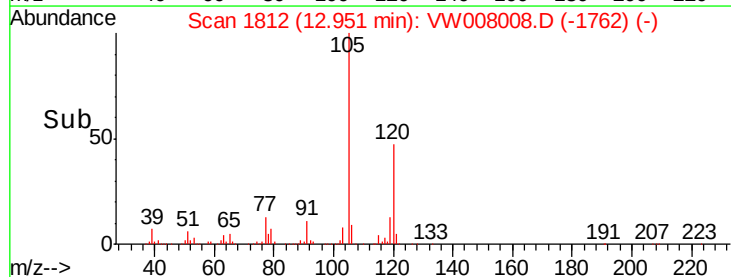
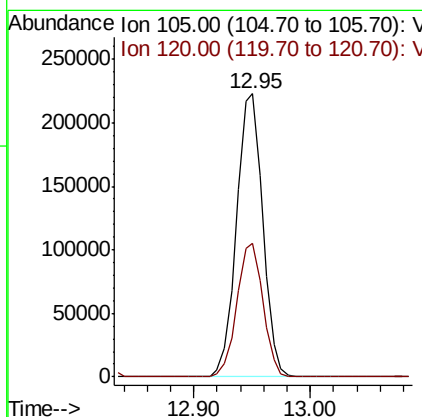
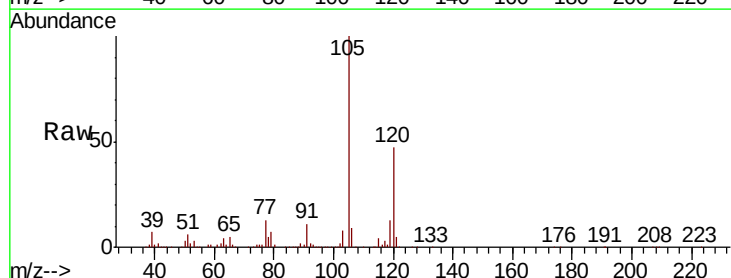
Manual Integrations
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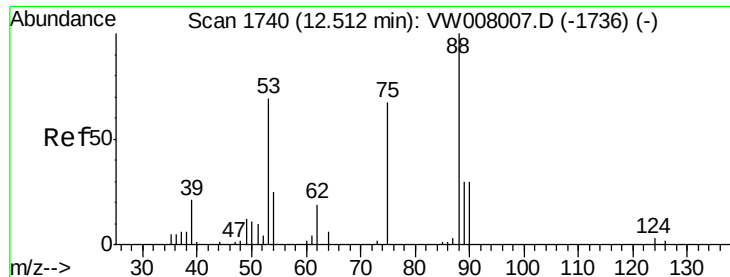
MMDadoda
 1/3/2019 10:55:32 AM



#80
 1,3,5-Trimethylbenzene
 Concen: 104.621 ug/l
 RT: 12.95 min Scan# 1812
 Delta R.T. 0.01 min
 Lab File: VW008008.D
 Acq: 02 Jan 2019 14:36

Tgt Ion: 105 Resp: 349682
 Ion Ratio Lower Upper
 105 100
 120 47.1 23.3 69.9





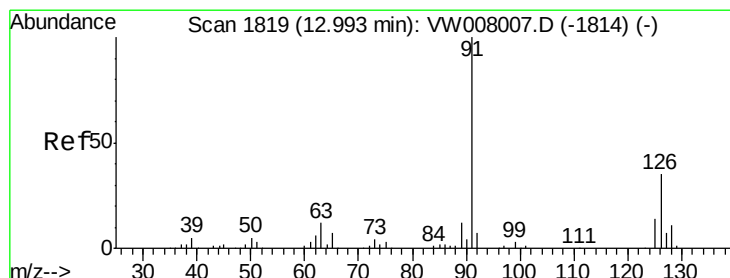
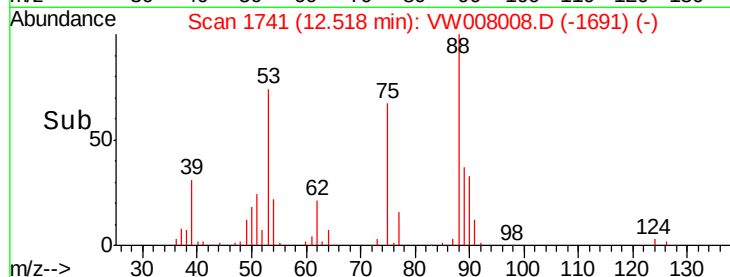
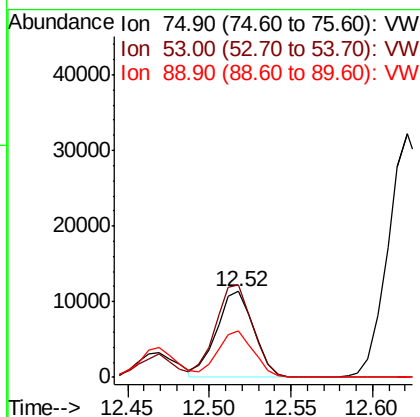
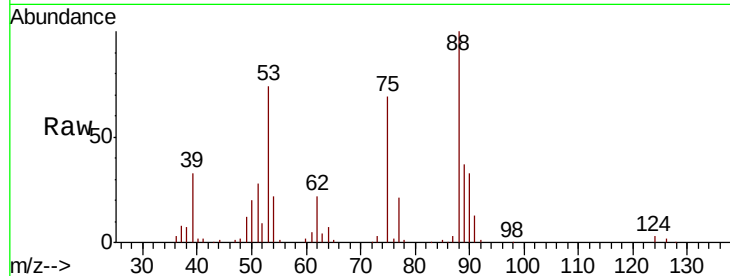
#81
trans-1,4-Dichloro-2-butene
Concen: 110.802 ug/l
RT: 12.52 min Scan# 1741
Delta R.T. 0.01 min
Lab File: VW008008.D
Acq: 02 Jan 2019 14:36

Instrument :
MSVOA_W
ClientSampled :
VSTDIC100

Tot Ion	Ratio	Lower	Upper
75	100		
53	107.4	87.6	131.4
89	51.0	42.2	63.2

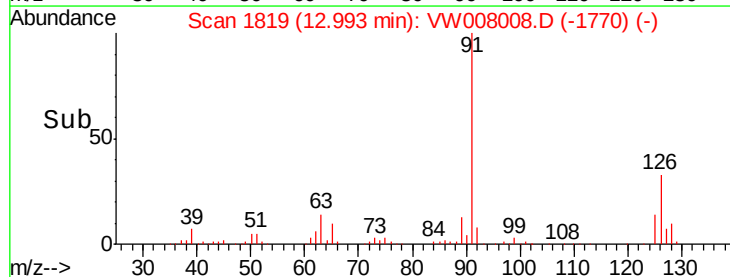
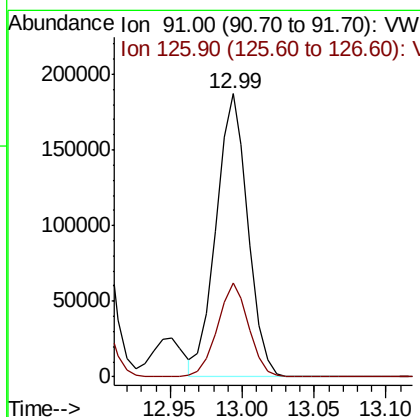
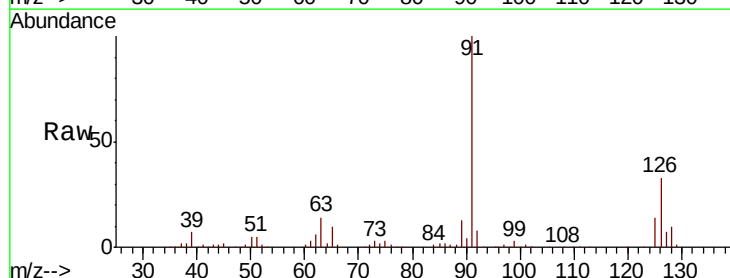
Manual Integrations
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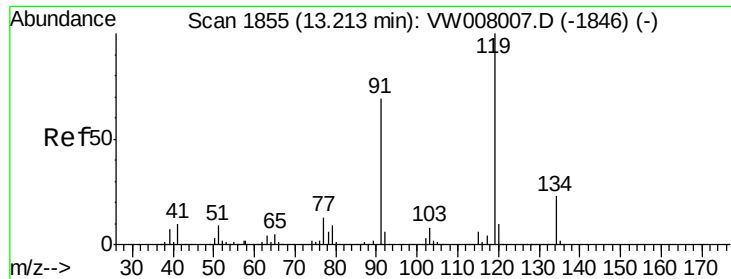
MMDadoda
1/3/2019 10:55:32 AM



#82
4-Chlorotoluene
Concen: 104.177 ug/l
RT: 12.99 min Scan# 1819
Delta R.T. 0.00 min
Lab File: VW008008.D
Acq: 02 Jan 2019 14:36

Tgt Ion	Ratio	Lower	Upper
91	100		
126	32.8	16.7	50.1





#83

tert-Butylbenzene

Concen: 104.959 ug/l

RT: 13.21 min Scan# 1855

Delta R.T. 0.00 min

Lab File: VW008008.D

Acq: 02 Jan 2019 14:36

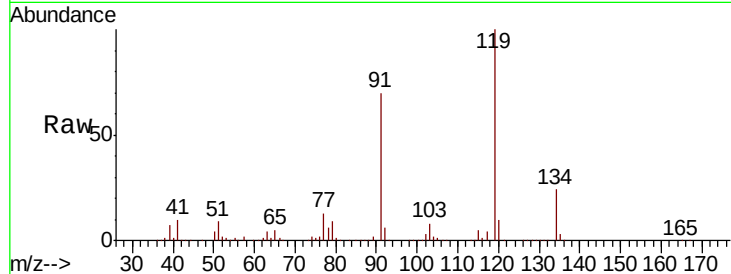
Instrument :
MSVOA_W

ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Lower	Upper
119	100		
91	69.7	34.7	104.1
134	24.8	11.5	34.4

Manual Integrations
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MMDadoda
1/3/2019 10:55:32 AM

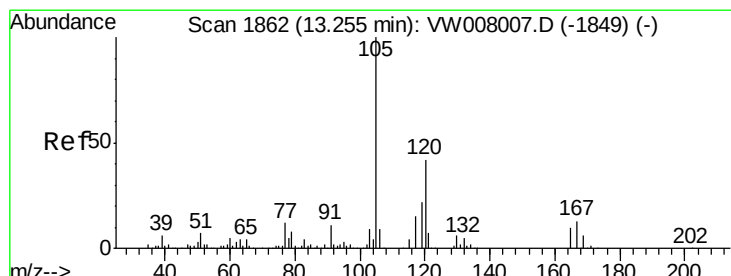
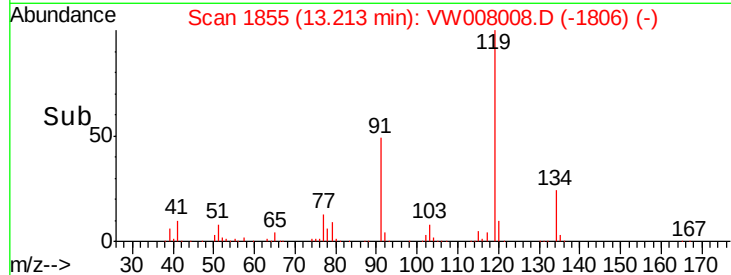
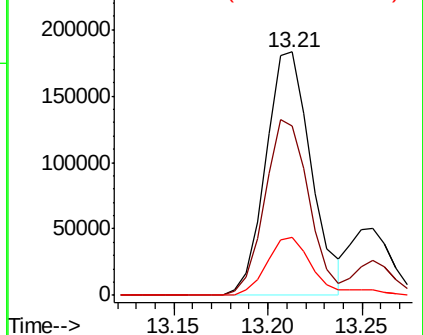


Abundance

Ion 119.00 (118.70 to 119.70): V

Ion 91.00 (90.70 to 91.70): V

Ion 134.00 (133.70 to 134.70): V



#84

1,2,4-Trimethylbenzene

Concen: 102.733 ug/l

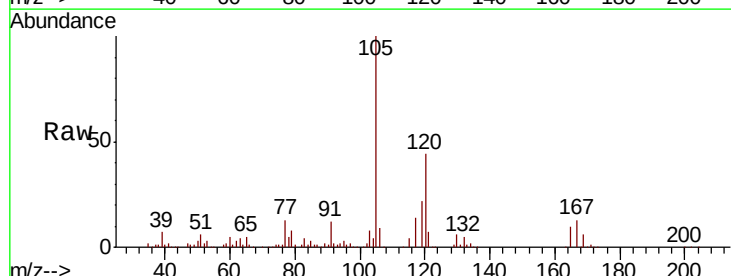
RT: 13.26 min Scan# 1862

Delta R.T. 0.00 min

Lab File: VW008008.D

Acq: 02 Jan 2019 14:36

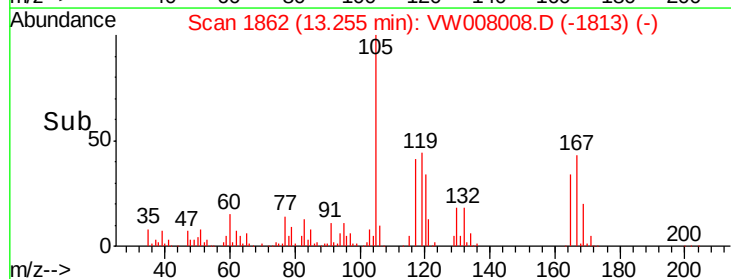
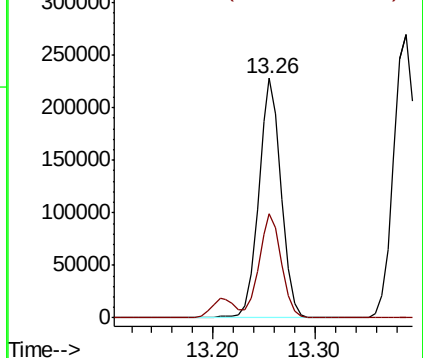
Tgt Ion	Ratio	Lower	Upper
105	100		
120	43.0	21.5	64.5

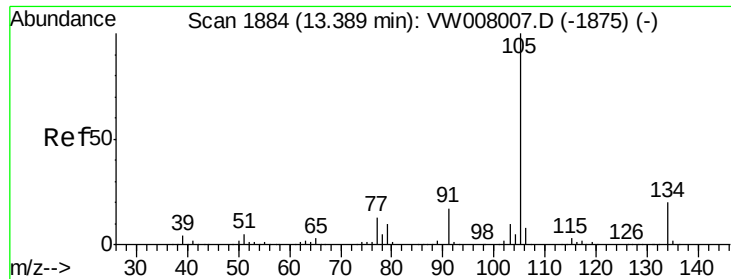


Abundance

Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





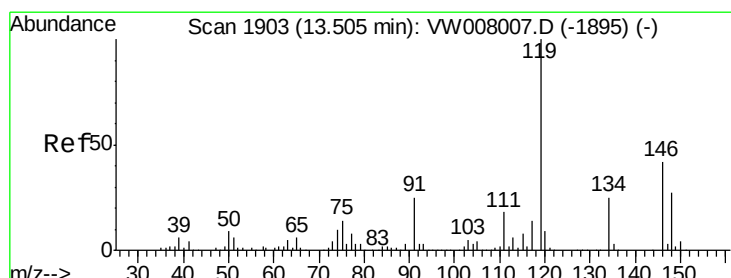
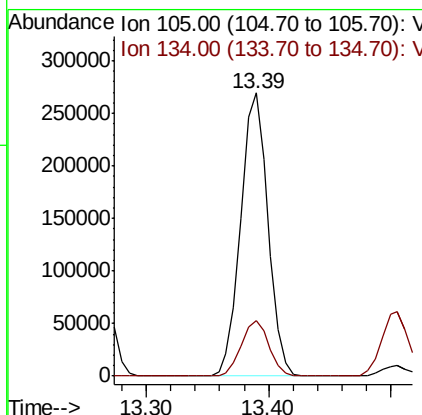
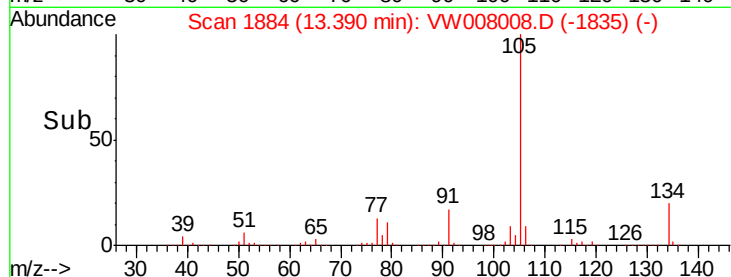
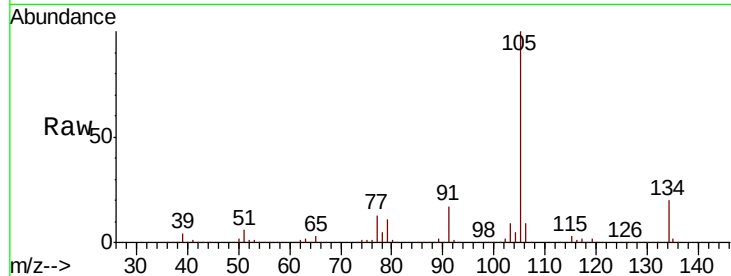
#85
 sec-Butylbenzene
 Concen: 103.359 ug/l
 RT: 13.39 min Scan# 1884
 Delta R.T. 0.00 min
 Lab File: VW008008.D
 Acq: 02 Jan 2019 14:36

Instrument :
 MSVOA_W
 ClientSampled :
 VSTDIC100

Tot Ion:105 Resp: 415786
 Ion Ratio Lower Upper
 105 100
 134 19.9 9.7 28.9

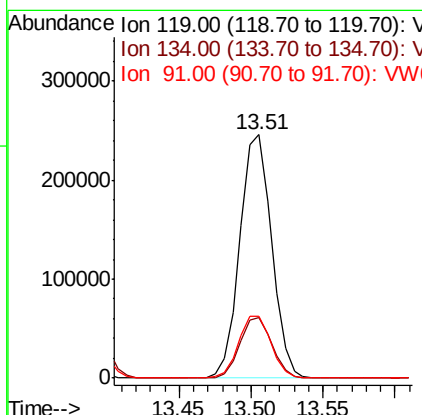
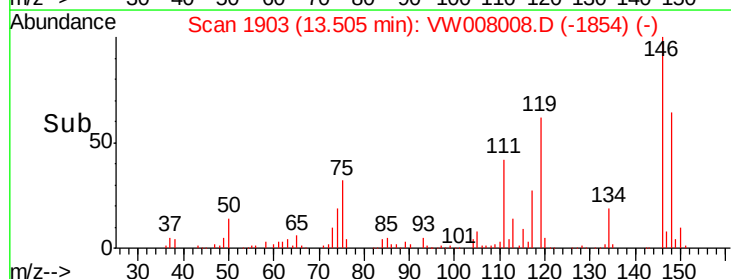
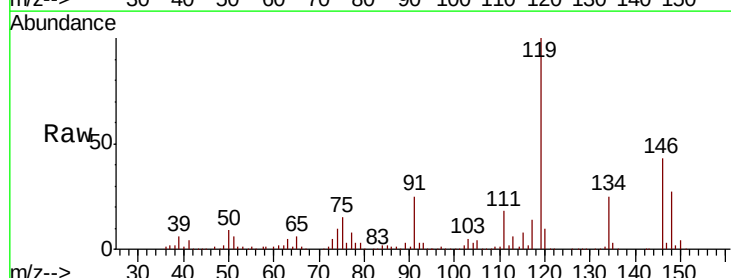
Manual Integrations
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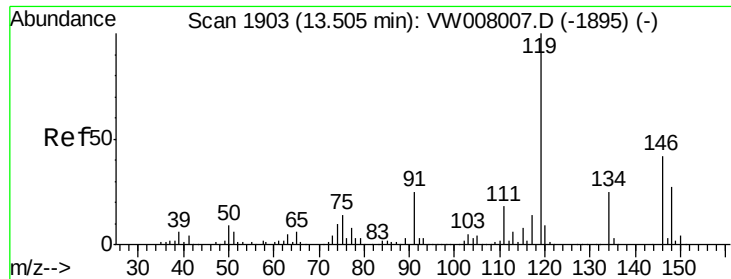
MMDadoda
 1/3/2019 10:55:32 AM



#86
 p-Isopropyltoluene
 Concen: 103.817 ug/l
 RT: 13.51 min Scan# 1903
 Delta R.T. 0.00 min
 Lab File: VW008008.D
 Acq: 02 Jan 2019 14:36

Tgt Ion:119 Resp: 376700
 Ion Ratio Lower Upper
 119 100
 134 25.1 12.5 37.5
 91 26.1 13.1 39.3





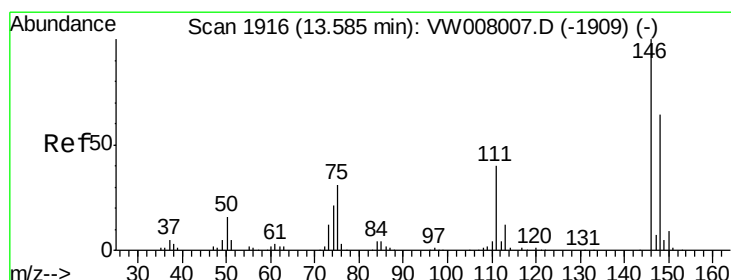
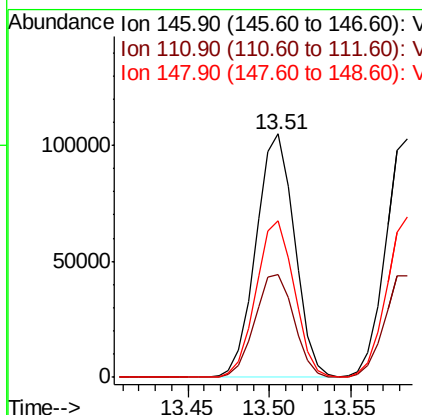
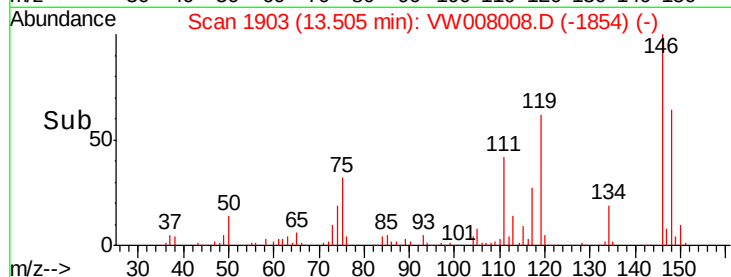
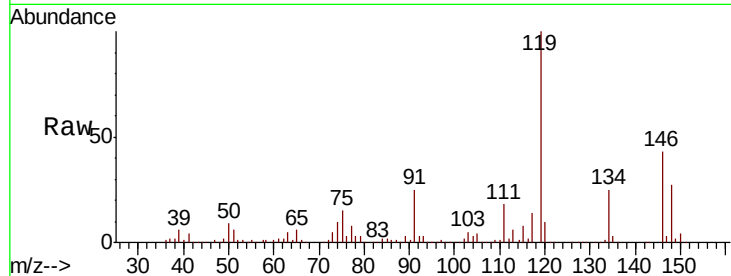
#87
 1,3-Dichlorobenzene
 Concen: 102.323 ug/l
 RT: 13.51 min Scan# 1903
 Delta R.T. 0.00 min
 Lab File: VW008008.D
 Acq: 02 Jan 2019 14:36

Instrument :
 MSVOA_W
 ClientSampled :
 VSTDIC100

Tot Ion	Ratio	Lower	Upper
146	100		
111	43.0	21.4	64.2
148	63.8	31.9	95.5

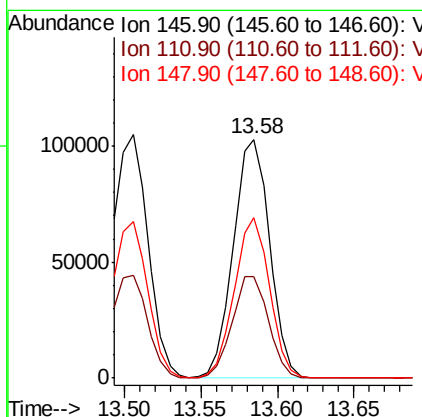
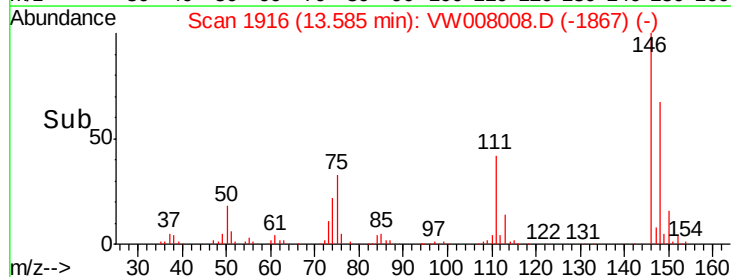
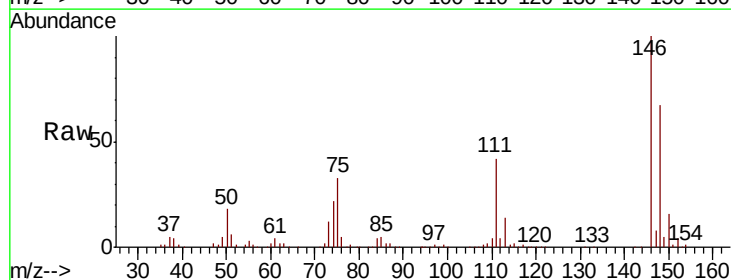
Manual Integrations
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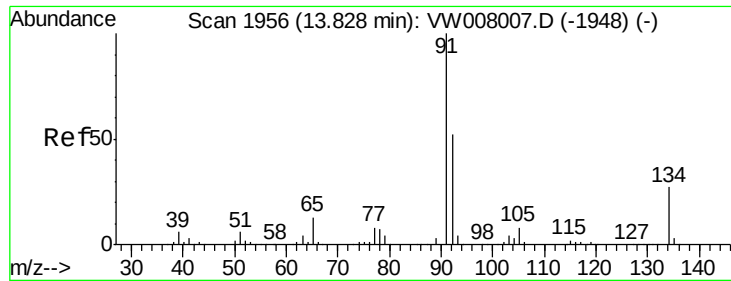
MMDadoda
 1/3/2019 10:55:32 AM



#88
 1,4-Dichlorobenzene
 Concen: 101.659 ug/l
 RT: 13.58 min Scan# 1916
 Delta R.T. 0.00 min
 Lab File: VW008008.D
 Acq: 02 Jan 2019 14:36

Tgt Ion	Ratio	Lower	Upper
146	100		
111	42.7	20.9	62.8
148	64.9	31.9	95.9





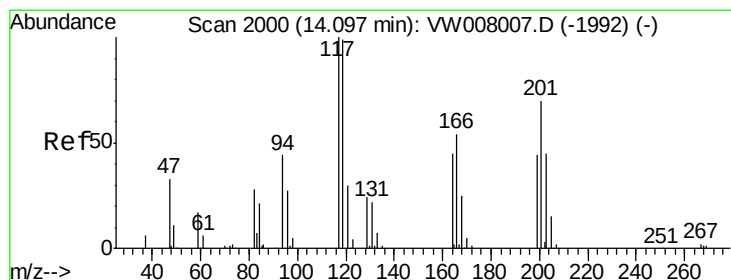
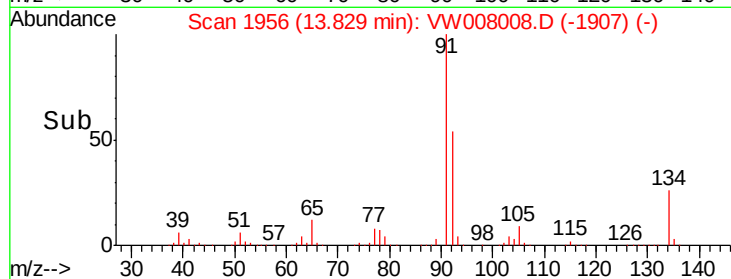
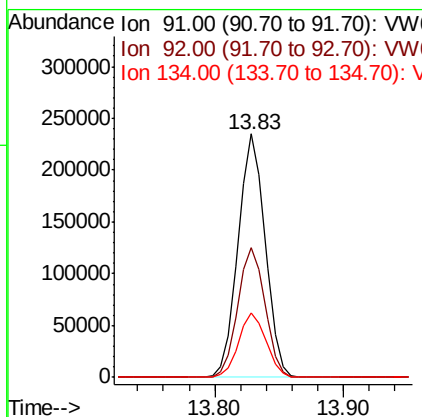
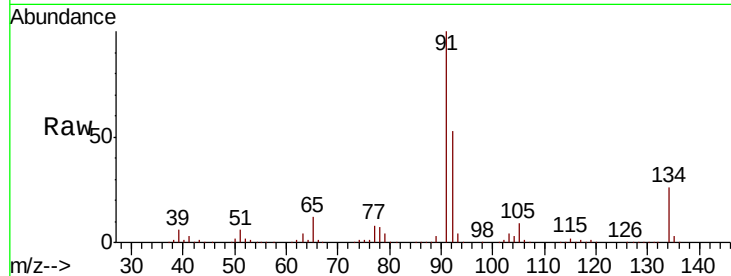
#89
n-Butylbenzene
Concen: 103.276 ug/l
RT: 13.83 min Scan# 1956
Delta R.T. 0.00 min
Lab File: VW008008.D
Acq: 02 Jan 2019 14:36

Instrument :
MSVOA_W
ClientSampled :
VSTDIC100

Tot Ion	Ratio	Lower	Upper
91	100		
92	53.6	26.4	79.2
134	26.7	13.4	40.2

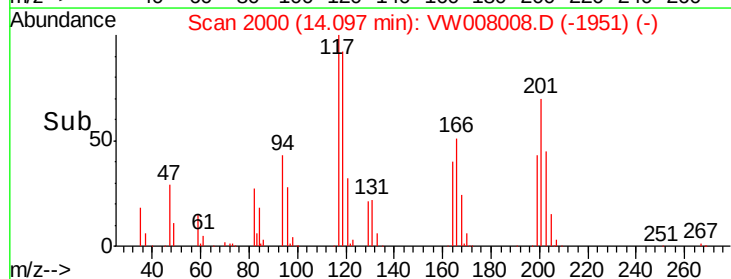
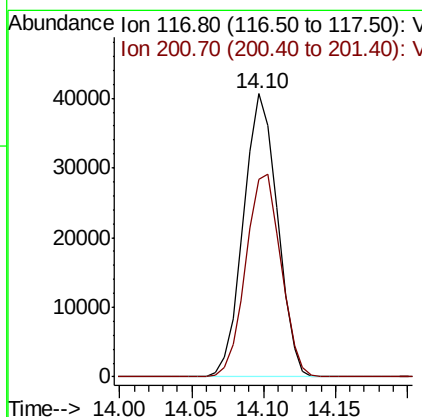
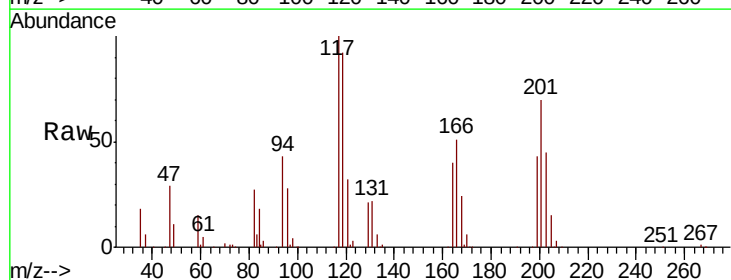
Manual Integrations
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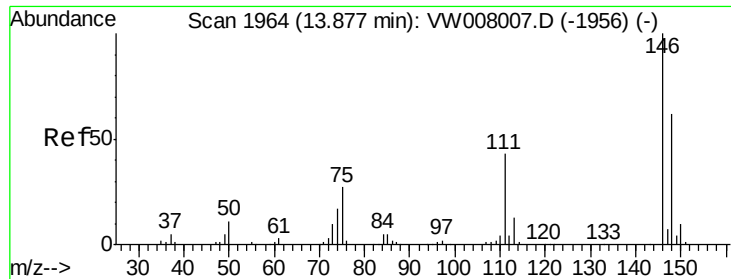
MMDadoda
1/3/2019 10:55:32 AM



#90
Hexachloroethane
Concen: 105.485 ug/l
RT: 14.10 min Scan# 2000
Delta R.T. 0.00 min
Lab File: VW008008.D
Acq: 02 Jan 2019 14:36

Tgt Ion	Ratio	Lower	Upper
117	100		
201	74.1	37.1	111.5





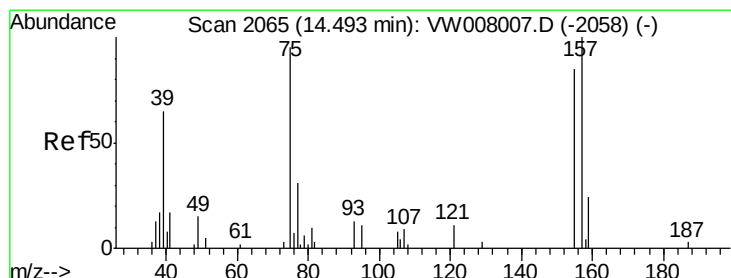
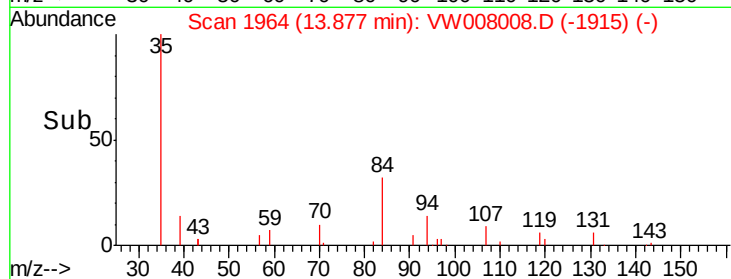
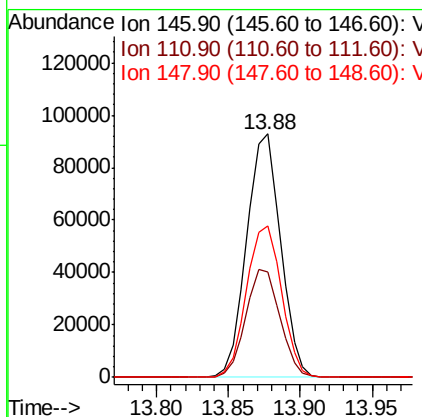
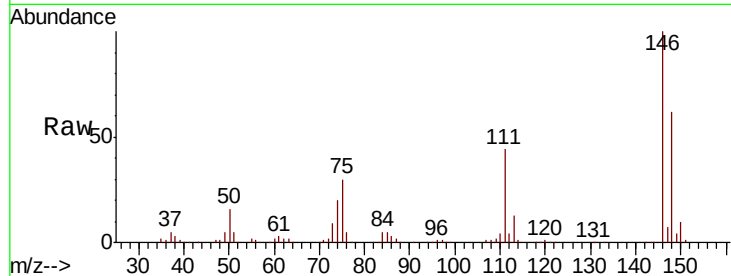
#91
 1,2-Dichlorobenzene
 Concen: 102.257 ug/l
 RT: 13.88 min Scan# 1964
 Delta R.T. 0.00 min
 Lab File: VW008008.D
 Acq: 02 Jan 2019 14:36

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC100

Tot Ion	Ratio	Lower	Upper
146	100		
111	44.8	22.6	67.7
148	64.3	32.1	96.3

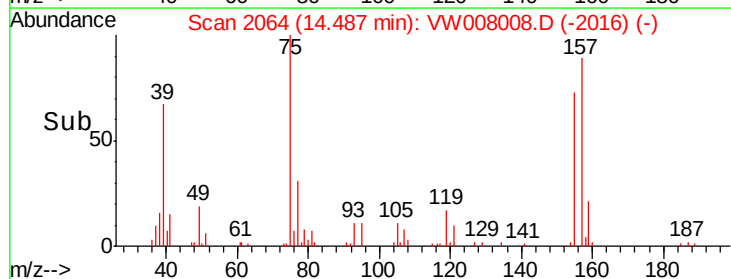
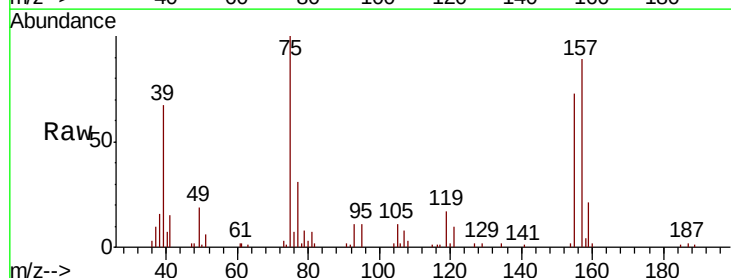
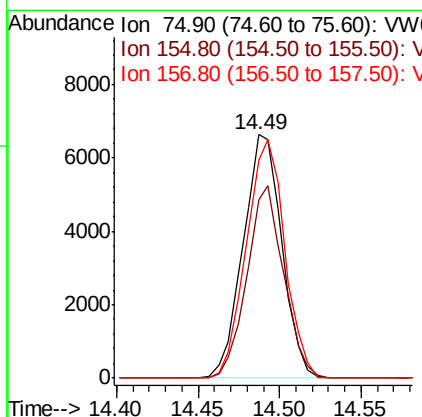
Manual Integrations
 APPROVED

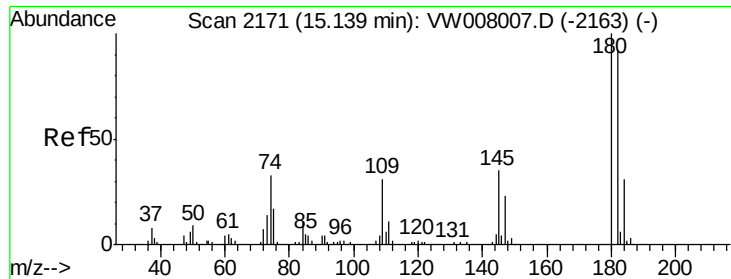
MMDadoda
 1/3/2019 10:55:32 AM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 109.278 ug/l
 RT: 14.49 min Scan# 2064
 Delta R.T. -0.01 min
 Lab File: VW008008.D
 Acq: 02 Jan 2019 14:36

Tgt Ion	Ratio	Lower	Upper
75	100		
155	74.8	42.4	127.1
157	97.1	52.3	156.8





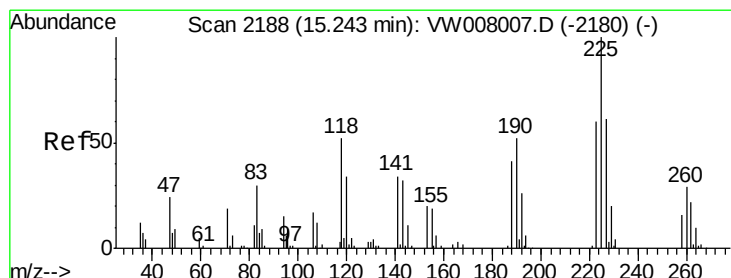
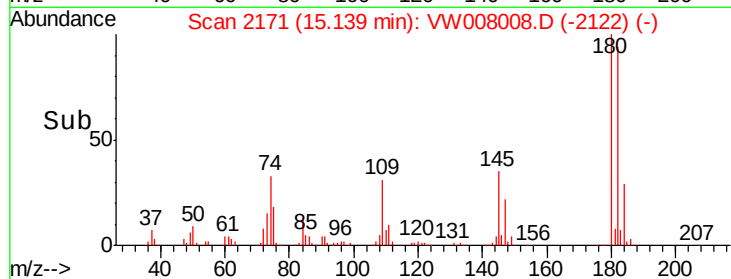
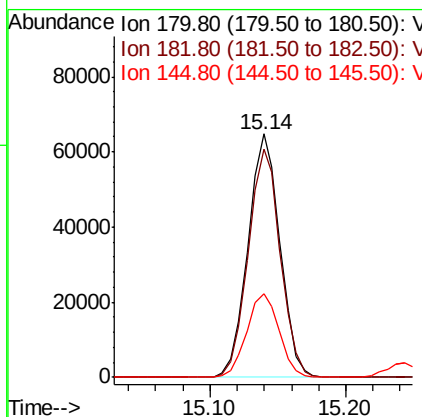
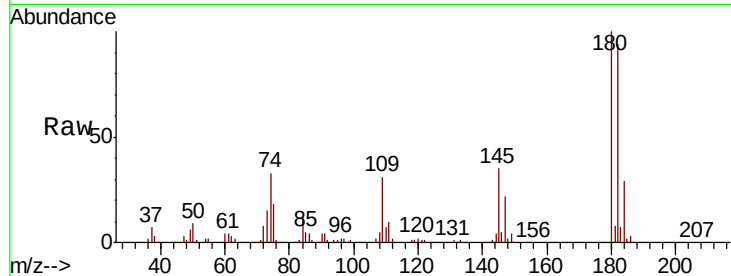
#93
1,2,4-Trichlorobenzene
Concen: 102.294 ug/l
RT: 15.14 min Scan# 2171
Delta R.T. 0.00 min
Lab File: VW008008.D
Acq: 02 Jan 2019 14:36

Instrument :
MSVOA_W
ClientSampleId :
VSTDICC100

Tot Ion	Ratio	Resp	Lower	Upper
180	100	106318		
182	94.5	46.6	139.8	
145	35.0	17.2	51.6	

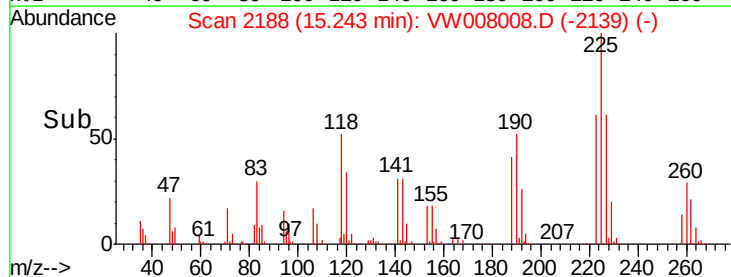
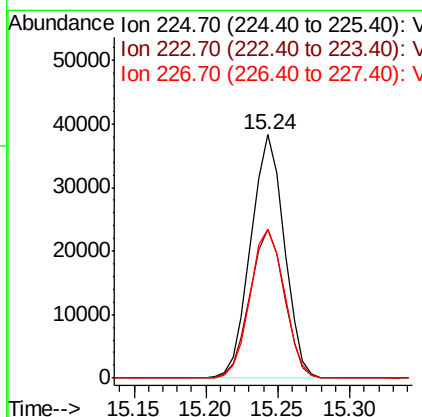
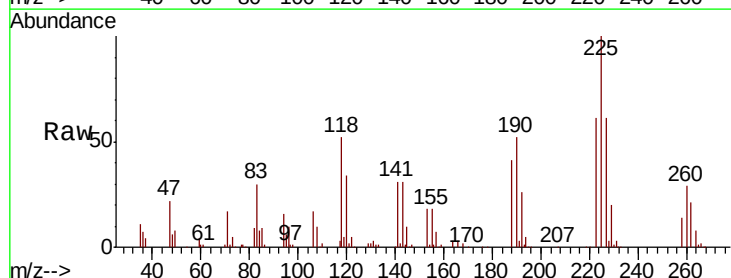
Manual Integrations
APPROVED

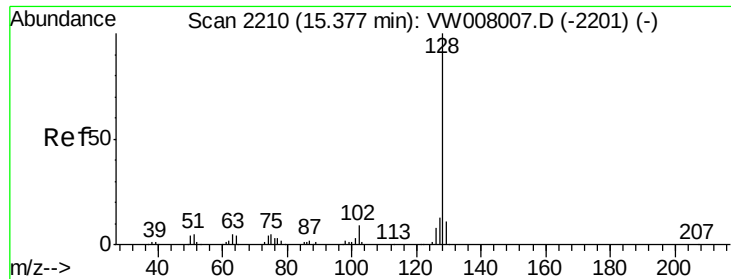
MMDadoda
1/3/2019 10:55:32 AM



#94
Hexachlorobutadiene
Concen: 102.798 ug/l
RT: 15.24 min Scan# 2188
Delta R.T. 0.00 min
Lab File: VW008008.D
Acq: 02 Jan 2019 14:36

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	61690		
223	62.8	30.6	92.0	
227	62.6	31.3	93.8	





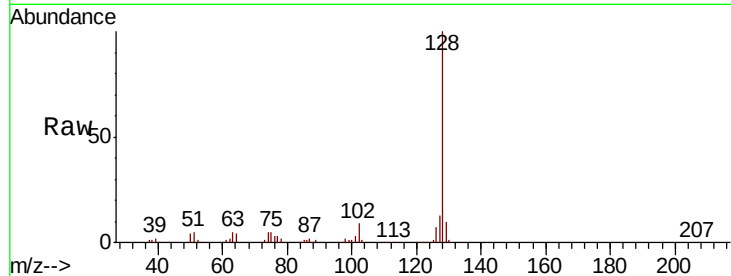
#95
Naphthalene
Concen: 107.075 ug/l
RT: 15.38 min Scan# 2210
Delta R.T. 0.00 min
Lab File: VW008008.D
Acq: 02 Jan 2019 14:36

Instrument :
MSVOA_W
ClientSampled :
VSTDIC100

Tot Ion	Ratio	Resp	Lower	Upper
128	100	189535		
127	13.8		10.8	16.2
129	10.8		8.8	13.2

Manual Integrations
APPROVED

MMDadoda
1/3/2019 10:55:32 AM



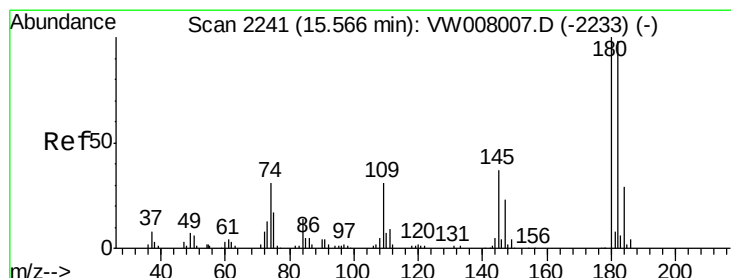
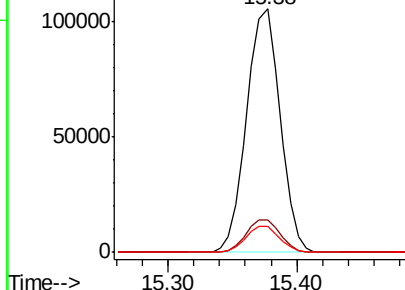
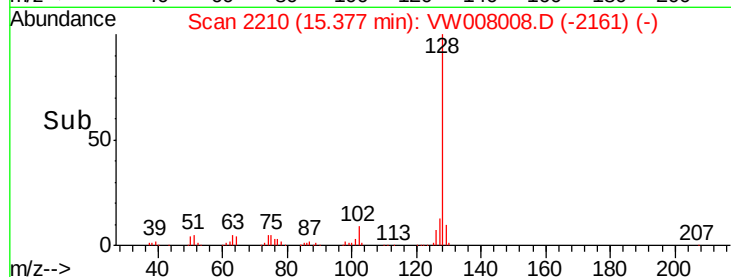
Abundance

Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

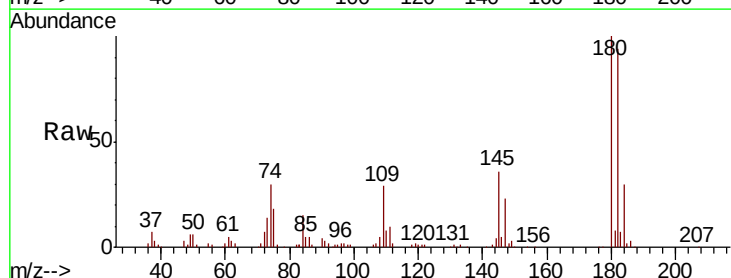
Ion 129.00 (128.70 to 129.70): V

15.38



#96
1,2,3-Trichlorobenzene
Concen: 104.176 ug/l
RT: 15.57 min Scan# 2241
Delta R.T. 0.00 min
Lab File: VW008008.D
Acq: 02 Jan 2019 14:36

Tgt Ion	Ratio	Resp	Lower	Upper
180	100	89091		
182	94.6		47.9	143.8
145	36.9		18.7	56.1



Abundance

Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.90 (144.60 to 145.60): V

15.57

