

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW031919\
 Data File : VW009237.D
 Acq On : 19 Mar 2019 12:46
 Operator : SY/VA
 Sample : VSTDICC100
 Misc : 5.00G/5ML/MSVOA W/SOIL
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDICC100

Manual Integrations
 APPROVED

MMDadoda
 3/22/2019 3:53:02 AM

Quant Time: Mar 20 07:16:00 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W031919S.M
 Quant Title : SW846 8260
 QLast Update : Wed Mar 20 06:57:43 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	320559	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	479001	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	452190	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	244087	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.31	65	339201	99.48	ug/l	0.00
Spiked Amount	50.000		Recovery	=	198.96%	
35) Dibromofluoromethane	7.88	113	296185	97.48	ug/l	0.00
Spiked Amount	50.000		Recovery	=	194.96%	
50) Toluene-d8	10.32	98	1133361	102.64	ug/l	0.00
Spiked Amount	50.000		Recovery	=	205.28%	
62) 4-Bromofluorobenzene	12.62	95	431783	106.50	ug/l	0.00
Spiked Amount	50.000		Recovery	=	213.00%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.01	85	182578	81.182	ug/l	98
3) Chloromethane	2.22	50	227224	97.785	ug/l	97
4) Vinyl Chloride	2.37	62	315295	92.447	ug/l	97
5) Bromomethane	2.78	94	256286	92.145	ug/l	95
6) Chloroethane	2.92	64	254871	96.322	ug/l	98
7) Trichlorofluoromethane	3.26	101	223918	100.223	ug/l	98
8) Diethyl Ether	3.67	74	150407	93.346	ug/l	100
9) 1,1,2-Trichlorotrifluoroet	4.05	101	290741	89.834	ug/l	99
10) Methyl Iodide	4.27	142	427843	91.704	ug/l	99
11) Tert butyl alcohol	5.17	59	98293	496.798	ug/l	99
12) 1,1-Dichloroethene	4.04	96	279635	91.405	ug/l	98
13) Acrolein	3.88	56	80650	499.147	ug/l	92
14) Allyl chloride	4.65	41	429011	95.122	ug/l	99
15) Acrylonitrile	5.36	53	334709	494.285	ug/l	99
16) Acetone	4.12	43	335046	478.943	ug/l	97
17) Carbon Disulfide	4.37	76	771838	90.499	ug/l	98
18) Methyl Acetate	4.67	43	177057	98.619	ug/l	100
19) Methyl tert-butyl Ether	5.42	73	362067	96.429	ug/l	100
20) Methylene Chloride	4.91	84	279118	85.452	ug/l	91
21) trans-1,2-Dichloroethene	5.42	96	295816	93.984	ug/l	97
22) Diisopropyl ether	6.31	45	969234	99.684	ug/l	96
23) Vinyl Acetate	6.25	43	3189270	522.776	ug/l	100
24) 1,1-Dichloroethane	6.21	63	557972	92.985	ug/l	99
25) 2-Butanone	7.17	43	509575	508.364	ug/l	99
26) 2,2-Dichloropropane	7.16	77	306408	91.388	ug/l	100
27) cis-1,2-Dichloroethene	7.17	96	334599	98.126	ug/l	99
28) Bromochloromethane	7.51	49	267528	101.643	ug/l #	97
29) Tetrahydrofuran	7.52	42	327197	513.543	ug/l	99
30) Chloroform	7.67	83	586721	93.973	ug/l	99
31) Cyclohexane	7.95	56	501507	89.645	ug/l	99
32) 1,1,1-Trichloroethane	7.87	97	460603	92.422	ug/l	99
36) 1,1-Dichloropropene	8.08	75	449399	94.282	ug/l	99
37) Ethyl Acetate	7.25	43	218600	100.504	ug/l	99
38) Carbon Tetrachloride	8.06	117	471841	93.539	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.33	83	551637	100.030	ug/l	99
40) Benzene	8.32	78	1234082	95.475	ug/l	99
41) Methacrylonitrile	7.48	41	119971	102.340	ug/l	98
42) 1,2-Dichloroethane	8.40	62	406799	96.277	ug/l	99
43) Isopropyl Acetate	8.42	43	443179	101.756	ug/l	100
44) Trichloroethene	9.09	130	331121	93.512	ug/l	99
45) 1,2-Dichloropropane	9.37	63	314030	95.570	ug/l	97
46) Dibromomethane	9.46	93	173498	96.020	ug/l	98
47) Bromodichloromethane	9.64	83	447392	97.983	ug/l	99
48) Methyl methacrylate	9.43	41	213699	105.979	ug/l	97
49) 1,4-Dioxane	9.45	88	59713	2130.620	ug/l	97
51) 4-Methyl-2-Pentanone	10.21	43	1188310	523.527	ug/l	100
52) Toluene	10.38	92	806945	98.526	ug/l	98
53) t-1,3-Dichloropropene	10.60	75	463128	104.014	ug/l	100
54) cis-1,3-Dichloropropene	10.07	75	505360	100.886	ug/l	97
55) 1,1,2-Trichloroethane	10.79	97	238937	97.657	ug/l	97
56) Ethyl methacrylate	10.65	69	322868	110.822	ug/l	97
57) 1,3-Dichloropropane	10.93	76	421155	99.801	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.92	63	168382	197.527	ug/l	100
59) 2-Hexanone	10.97	43	836147	542.608	ug/l	98
60) Dibromochloromethane	11.13	129	304222	100.641	ug/l	100
61) 1,2-Dibromoethane	11.23	107	230408	98.875	ug/l	99
64) Tetrachloroethene	10.86	164	290129	93.687	ug/l	99
65) Chlorobenzene	11.66	112	880526	94.156	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.73	131	328797	94.127	ug/l	99
67) Ethyl Benzene	11.73	91	1608126	99.280	ug/l	100
68) m/p-Xylenes	11.84	106	1233660	196.494	ug/l	99
69) o-Xylene	12.16	106	588000	100.855	ug/l	99
70) Styrene	12.18	104	984522	102.419	ug/l	99
71) Bromoform	12.35	173	189292	99.211	ug/l #	100
73) Isopropylbenzene	12.46	105	1664339	102.016	ug/l	99
74) N-amyl acetate	12.27	43	464715	109.200	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.71	83	299585	98.167	ug/l	98
76) 1,2,3-Trichloropropane	12.77	75	211560m	85.724	ug/l	
77) Bromobenzene	12.75	156	372882	96.491	ug/l	99
78) n-propylbenzene	12.80	91	2034208	101.523	ug/l	100
79) 2-Chlorotoluene	12.89	91	1134296	99.653	ug/l	98
80) 1,3,5-Trimethylbenzene	12.94	105	1414736	101.970	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.51	75	98184	105.031	ug/l	99
82) 4-Chlorotoluene	12.99	91	1186122	98.915	ug/l	100
83) tert-Butylbenzene	13.21	119	1216593	102.610	ug/l	98
84) 1,2,4-Trimethylbenzene	13.25	105	1438244	101.117	ug/l	100
85) sec-Butylbenzene	13.38	105	1788392	102.075	ug/l	99
86) p-Isopropyltoluene	13.50	119	1585957	101.654	ug/l	99
87) 1,3-Dichlorobenzene	13.50	146	770285	96.323	ug/l	100
88) 1,4-Dichlorobenzene	13.58	146	756204	94.972	ug/l	99
89) n-Butylbenzene	13.83	91	1533620	102.404	ug/l	99
90) Hexachloroethane	14.10	117	302430	98.319	ug/l	99
91) 1,2-Dichlorobenzene	13.87	146	689818	96.198	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.49	75	55244	101.097	ug/l	98

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VSTDICC100

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.14	180	476779	99.002	ug/l	100
94) Hexachlorobutadiene	15.24	225	285371	93.168	ug/l	100
95) Naphthalene	15.37	128	902208	108.127	ug/l	100
96) 1,2,3-Trichlorobenzene	15.56	180	423046	98.409	ug/l	99

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

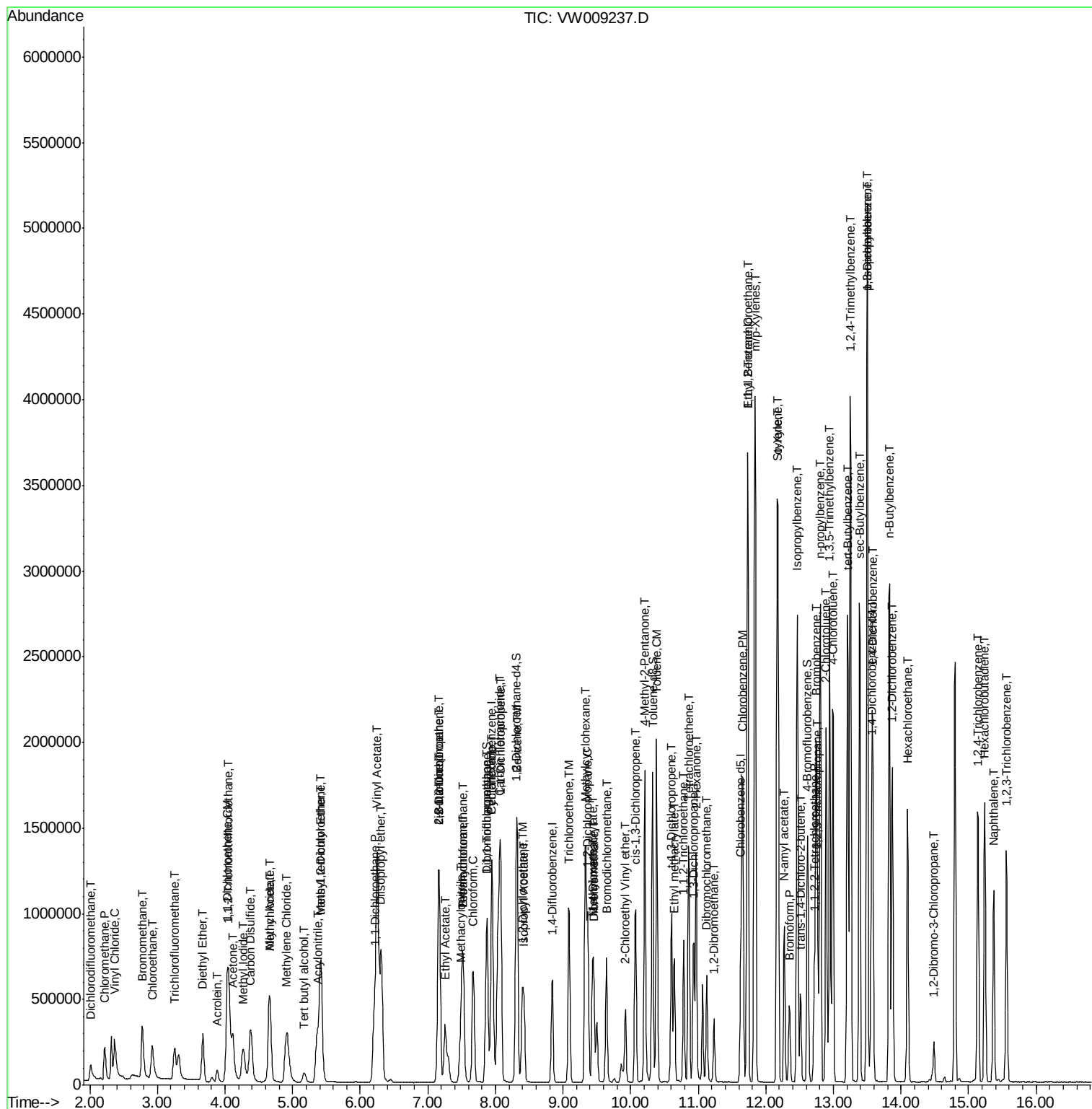
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW031919\
Data File : VW009237.D
Acq On : 19 Mar 2019 12:46
Operator : SY/VA
Sample : VSTDIC100
Misc : 5.00G/5ML/MSVOA W/SOIL
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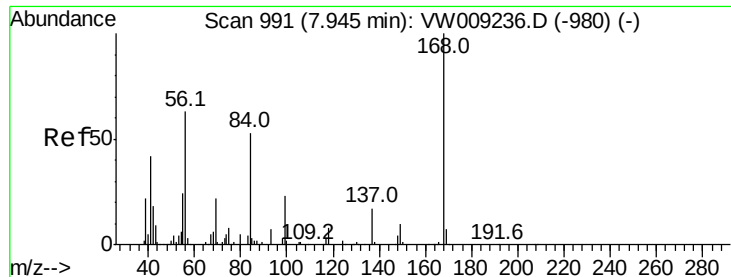
Instrument :
MSVOA_W
ClientSampleId :
VSTDIC100

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 991

Delta R.T. 0.00 min

Lab File: VW009237.D

Acq: 19 Mar 2019 12:46

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC100

Tot Ion:168 Resp: 320559

Ion Ratio Lower Upper

168 100

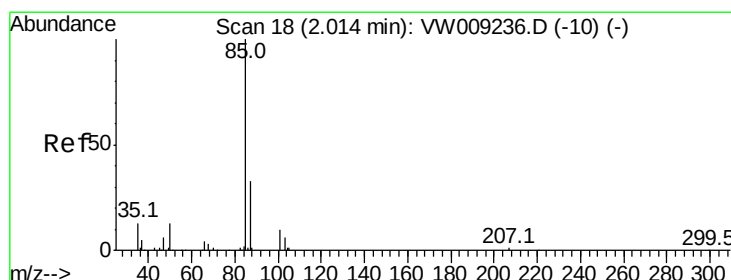
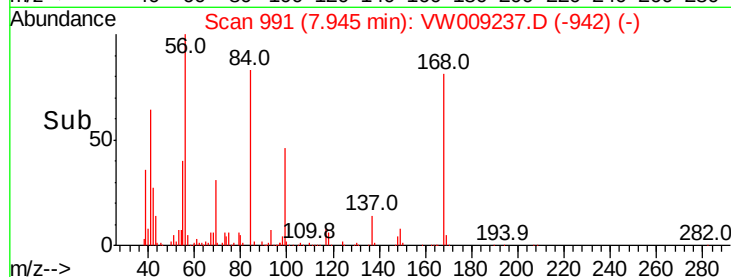
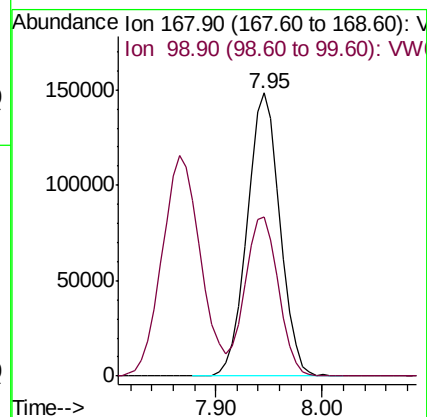
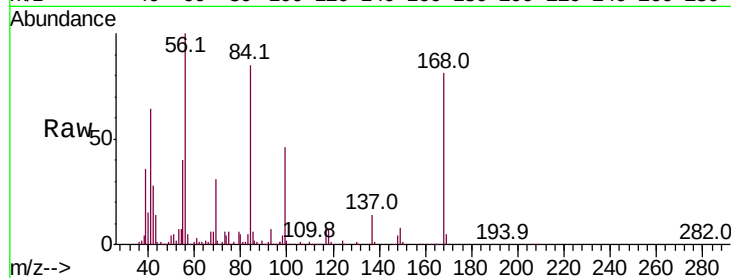
99 56.2 45.4 68.0

Manual Integrations

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3/22/2019 3:53:02 AM



#2

Dichlorodifluoromethane

Concen: 81.182 ug/l

RT: 2.01 min Scan# 18

Delta R.T. 0.00 min

Lab File: VW009237.D

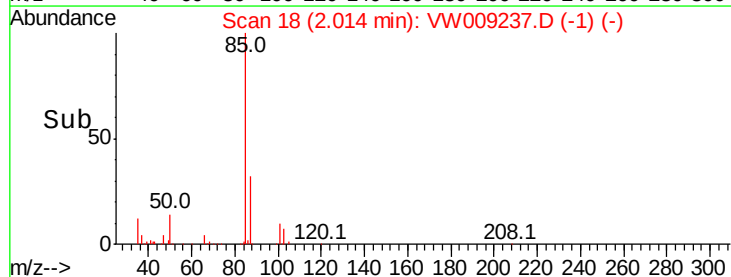
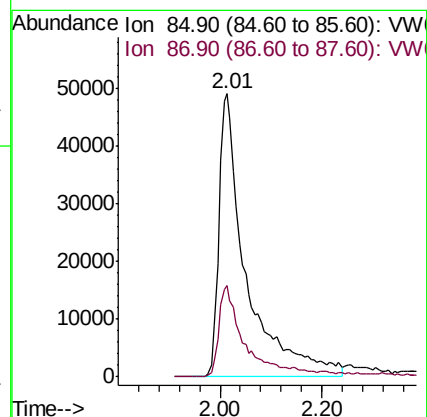
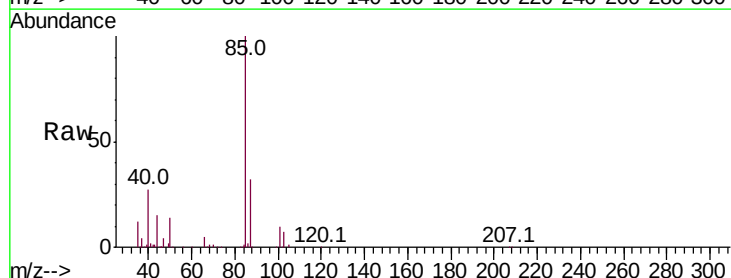
Acq: 19 Mar 2019 12:46

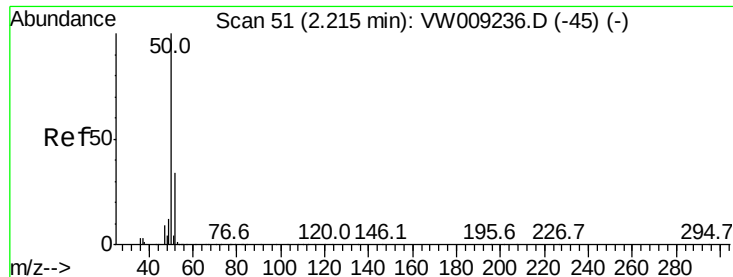
Tgt Ion: 85 Resp: 182578

Ion Ratio Lower Upper

85 100

87 32.2 16.7 50.1





#3

Chloromethane

Concen: 97.785 ug/l

RT: 2.22 min Scan# 52

Delta R.T. 0.01 min

Lab File: VW009237.D

Acq: 19 Mar 2019 12:46

Instrument :

MSVOA_W

ClientSampleId :

VSTDICC100

Tot Ion: 50 Resp: 227224

Ion Ratio Lower Upper

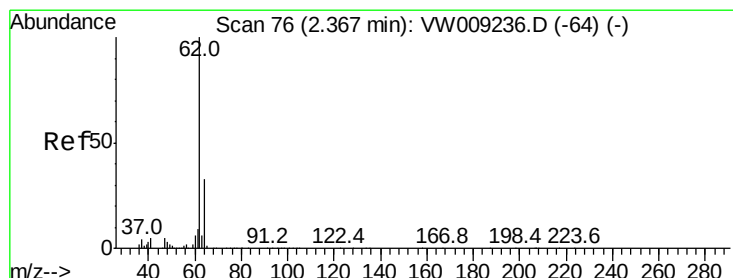
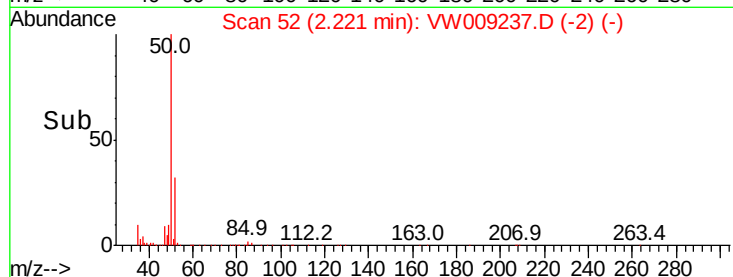
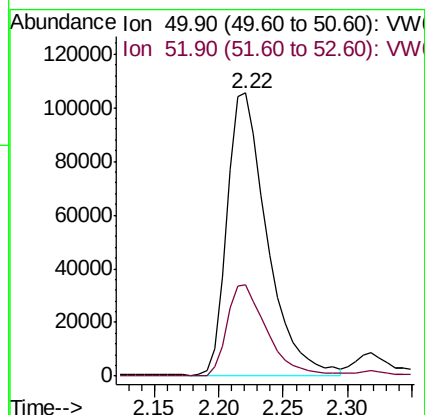
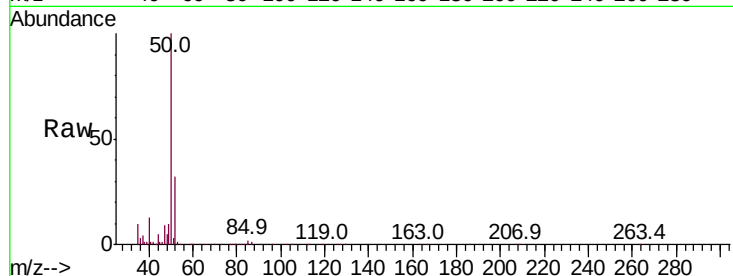
50 100

52 32.5 27.2 40.8

Manual Integrations
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3/22/2019 3:53:02 AM



#4

Vinyl Chloride

Concen: 92.447 ug/l

RT: 2.37 min Scan# 76

Delta R.T. 0.00 min

Lab File: VW009237.D

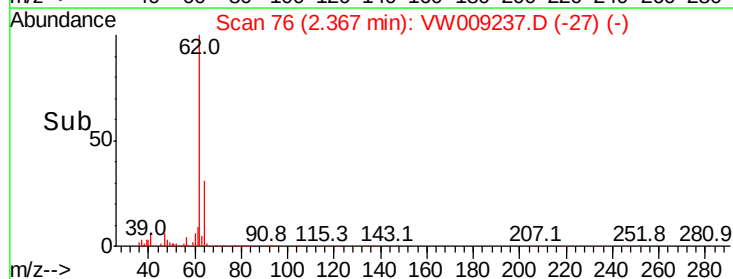
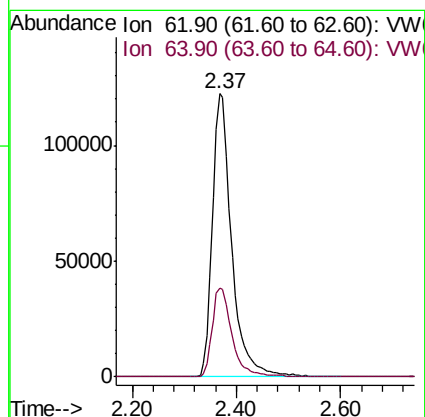
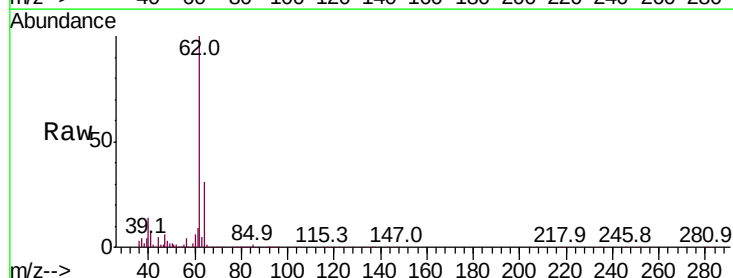
Acq: 19 Mar 2019 12:46

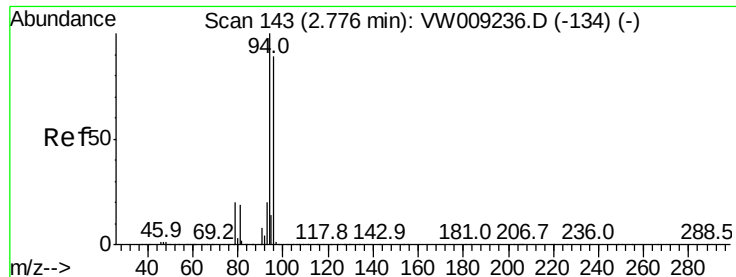
Tgt Ion: 62 Resp: 315295

Ion Ratio Lower Upper

62 100

64 31.1 26.2 39.2





#5

Bromomethane

Concen: 92.145 ug/l

RT: 2.78 min Scan# 143

Delta R.T. 0.00 min

Lab File: VW009237.D

Acq: 19 Mar 2019 12:46

Instrument :

MSVOA_W

ClientSampleId :

VSTDICC100

Tot Ion: 94 Resp: 256286

Ion Ratio Lower Upper

94 100

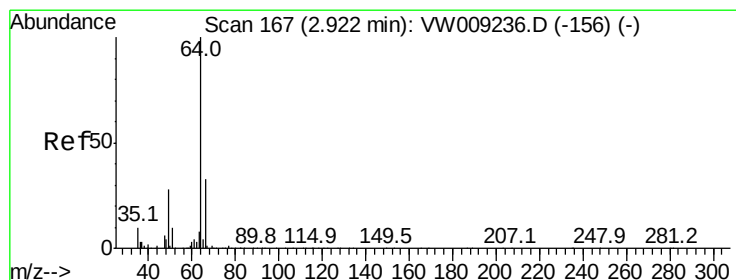
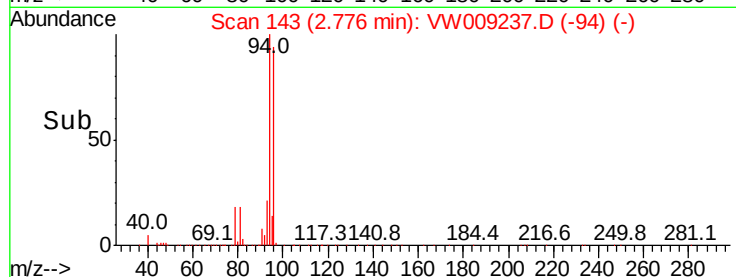
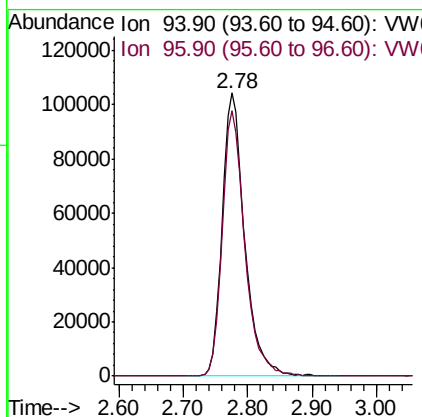
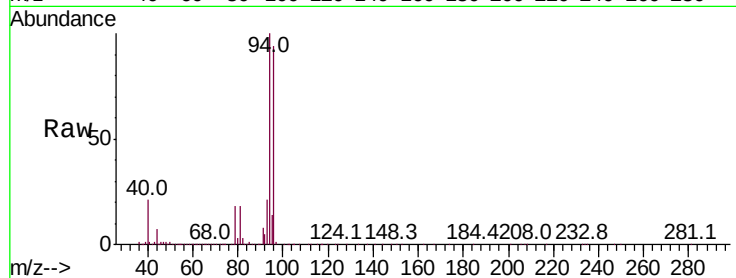
96 93.6 71.4 107.2

Manual Integrations

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3/22/2019 3:53:02 AM



#6

Chloroethane

Concen: 96.322 ug/l

RT: 2.92 min Scan# 167

Delta R.T. 0.00 min

Lab File: VW009237.D

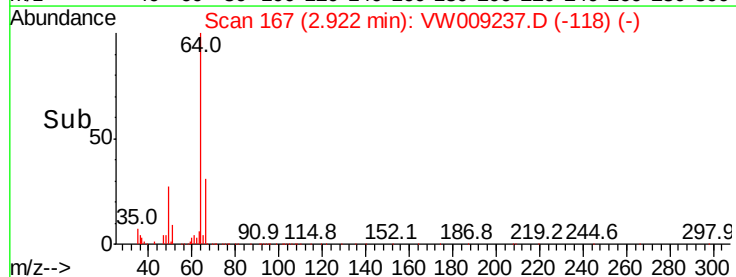
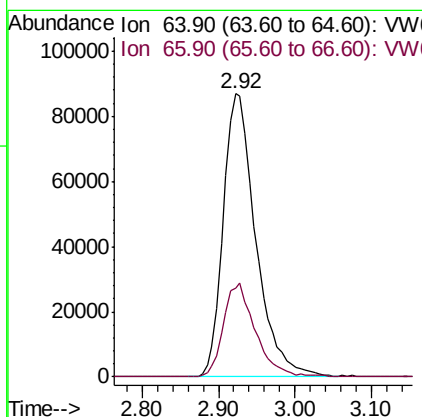
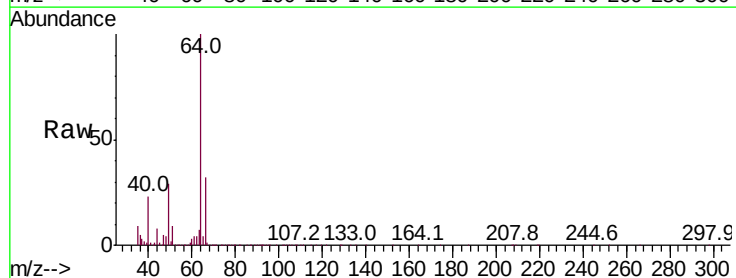
Acq: 19 Mar 2019 12:46

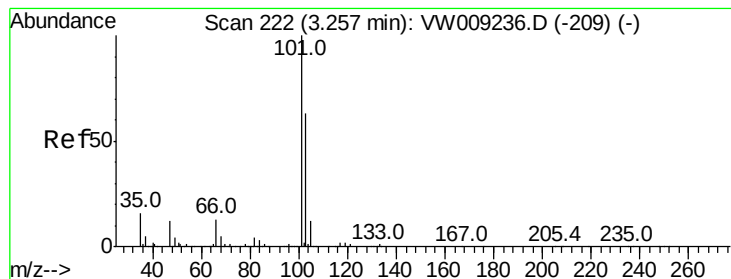
Tgt Ion: 64 Resp: 254871

Ion Ratio Lower Upper

64 100

66 31.5 26.2 39.2





#7

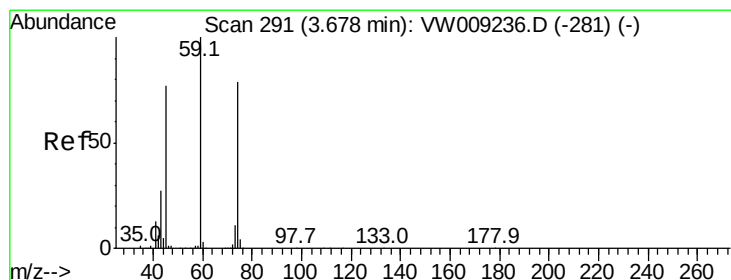
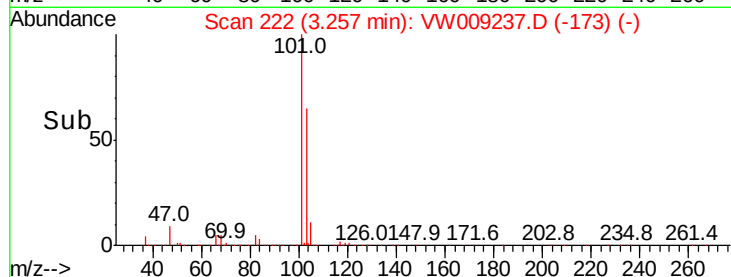
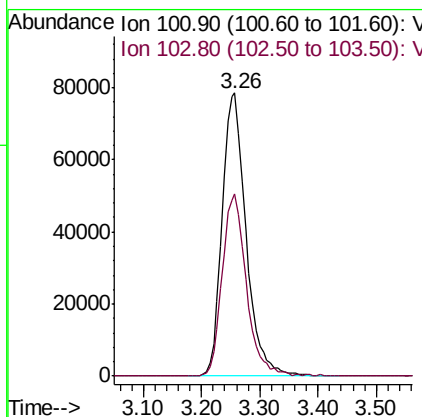
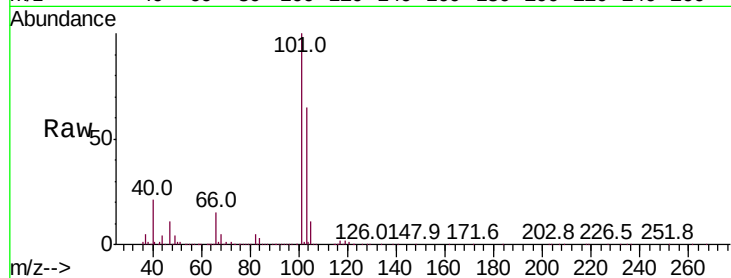
Trichlorofluoromethane
 Concen: 100.223 ug/l
 RT: 3.26 min Scan# 222
 Delta R.T. 0.00 min
 Lab File: VW009237.D
 Acq: 19 Mar 2019 12:46

Instrument :
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 ClientSampleId :
 VSTDIC100

Tot Ion	Ratio	Lower	Upper
101	100		
103	64.5	50.5	75.7

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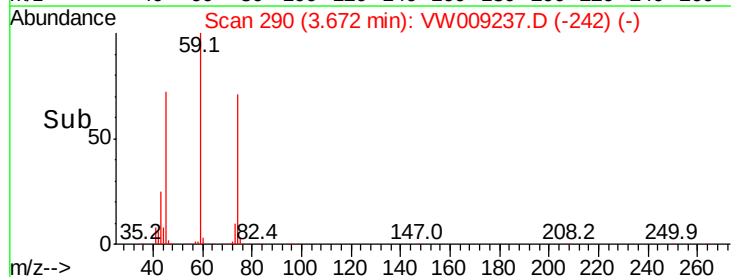
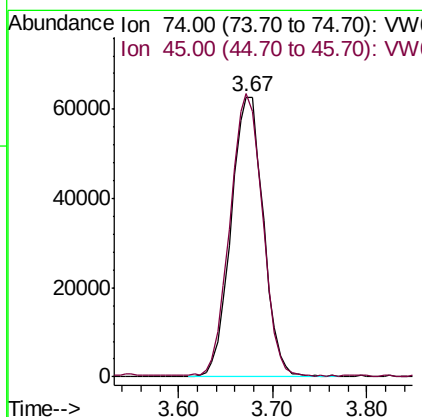
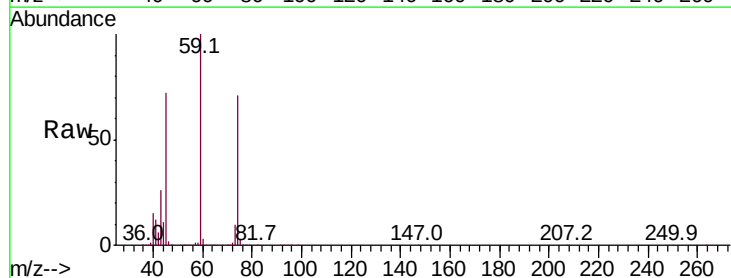
MMDadoda
 3/22/2019 3:53:02 AM

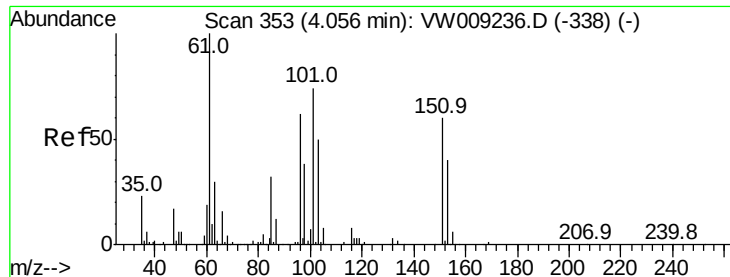


#8

Diethyl Ether
 Concen: 93.346 ug/l
 RT: 3.67 min Scan# 290
 Delta R.T. -0.01 min
 Lab File: VW009237.D
 Acq: 19 Mar 2019 12:46

Tgt Ion	Ratio	Lower	Upper
74	100		
45	100.8	50.6	151.9





#9

1,1,2-Trichlorotrifluoroethane

Concen: 89.834 ug/l

RT: 4.05 min Scan# 352

Delta R.T. -0.01 min

Lab File: VW009237.D

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Instrument :

MSVOA_W

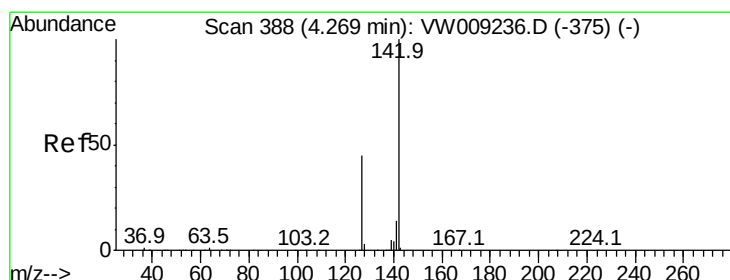
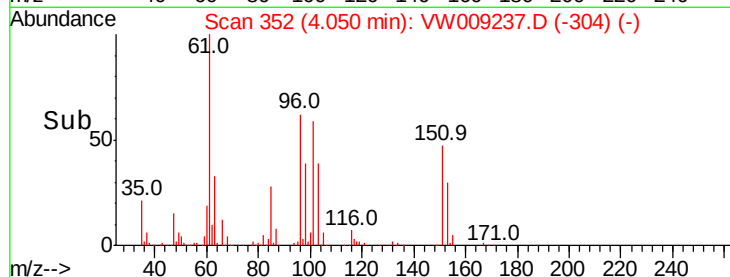
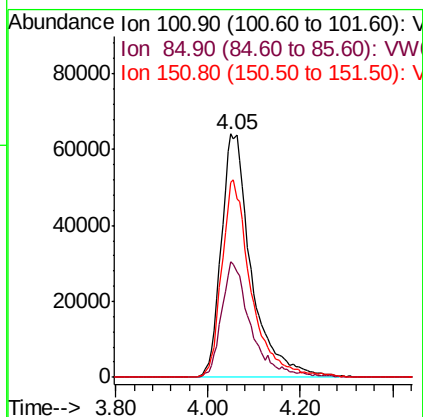
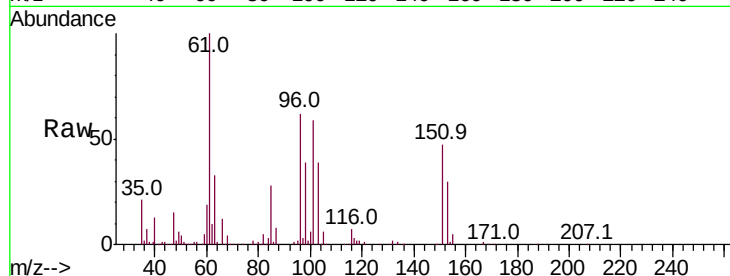
ClientSampleId :

VSTDIC100

Tot Ion:	101	Resp:	290741
Ion Ratio	Lower	Upper	
101	100		
85	45.2	35.1	52.7
151	79.2	62.9	94.3

Manual Integrations
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MMDadoda
3/22/2019 3:53:02 AM



#10

Methyl Iodide

Concen: 91.704 ug/l

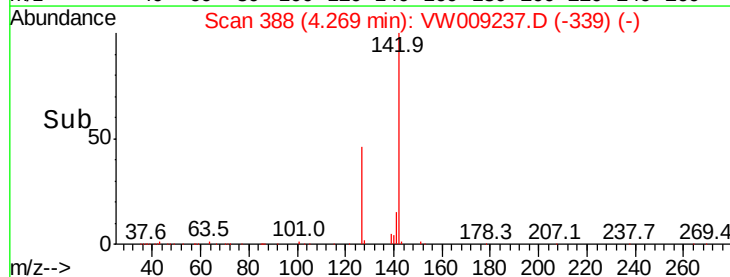
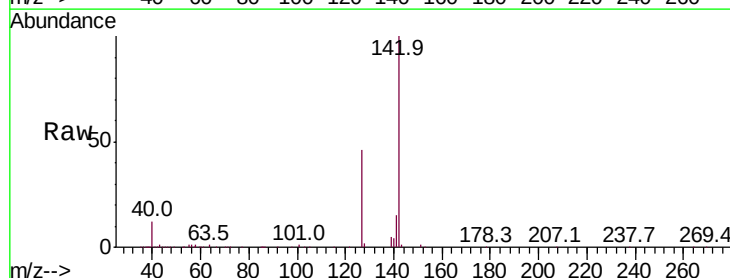
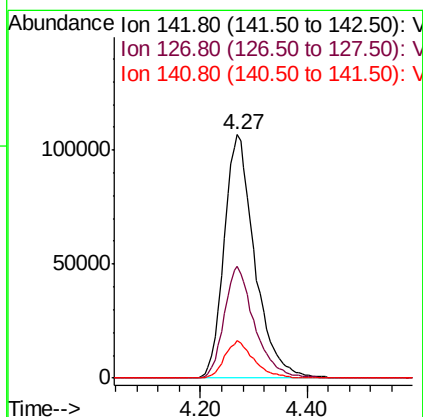
RT: 4.27 min Scan# 388

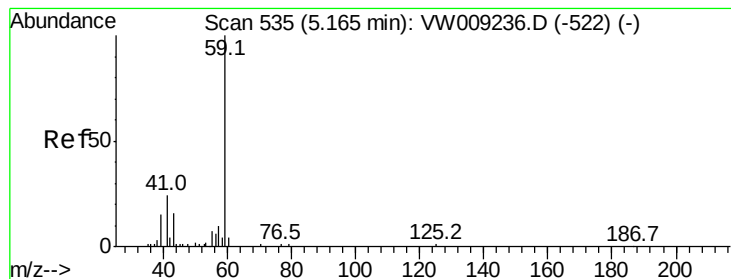
Delta R.T. 0.00 min

Lab File: VW009237.D

Acq: 19 Mar 2019 12:46

Tgt Ion:	142	Resp:	427843
Ion Ratio	Lower	Upper	
142	100		
127	45.5	35.9	53.9
141	14.8	11.4	17.2





#11

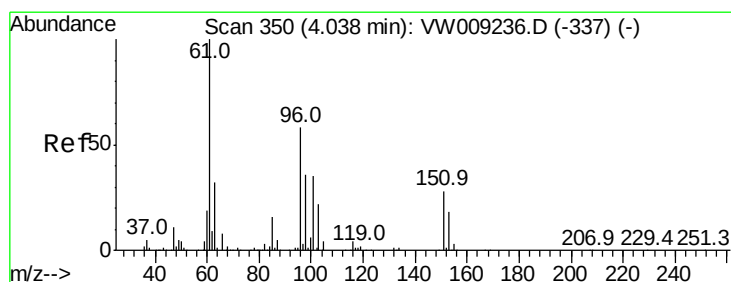
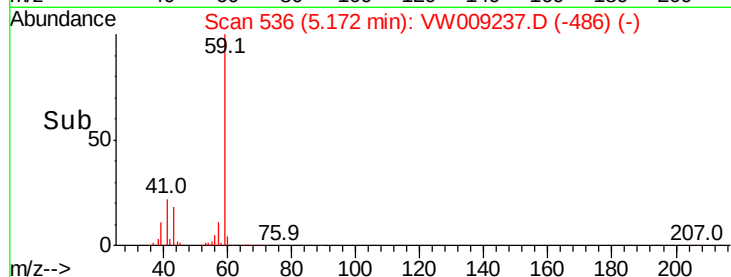
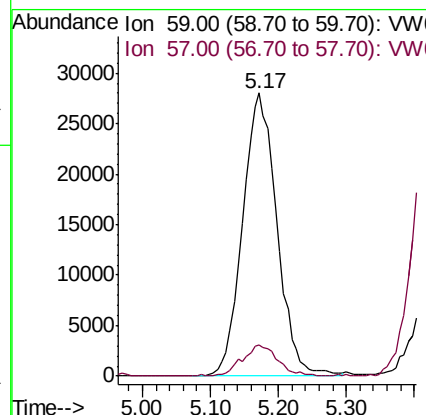
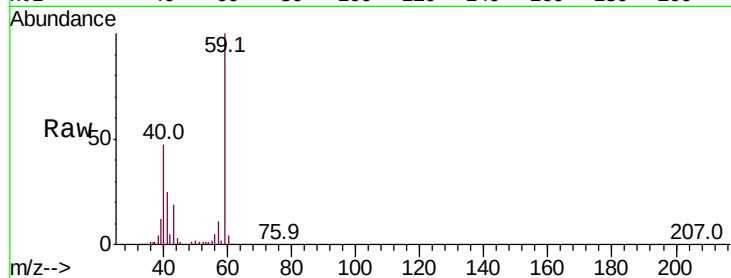
Tert butyl alcohol
Concen: 496.798 ug/l
RT: 5.17 min Scan# 536
Delta R.T. 0.01 min
Lab File: VW009237.D
Acq: 19 Mar 2019 12:46

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC100

Tot Ion	59	Resp	98293
Ion Ratio	100	Lower	Upper
59	100		
57	11.3	9.4	14.0

Manual Integrations
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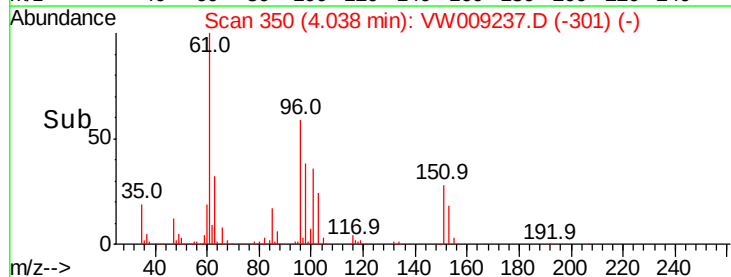
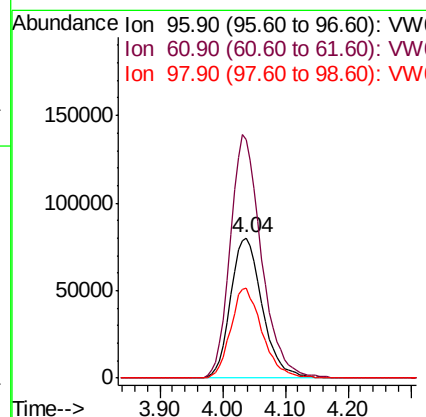
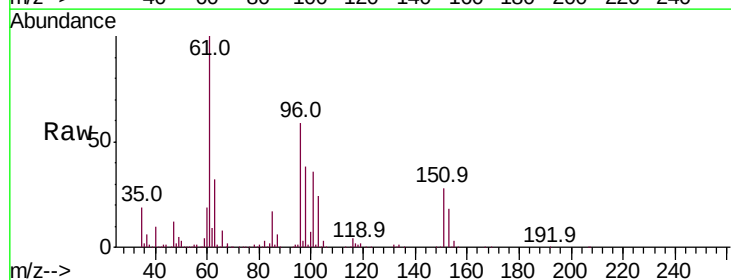
MMDadoda
3/22/2019 3:53:02 AM

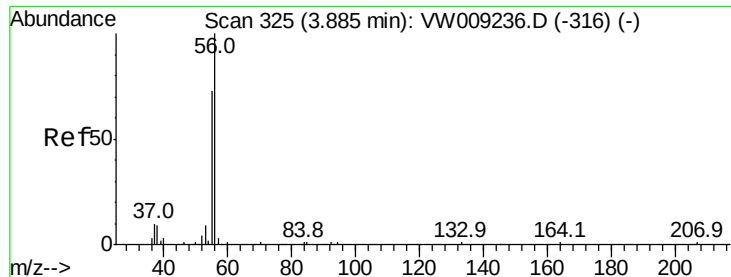


#12

1,1-Dichloroethene
Concen: 91.405 ug/l
RT: 4.04 min Scan# 350
Delta R.T. 0.00 min
Lab File: VW009237.D
Acq: 19 Mar 2019 12:46

Tgt Ion	96	Resp	279635
Ion Ratio	100	Lower	Upper
96	100		
61	170.6	138.0	207.0
98	64.2	49.8	74.8





#13

Acrolein

Concen: 499.147 ug/l

RT: 3.88 min Scan# 324

Delta R.T. -0.01 min

Lab File: VW009237.D

Acq: 19 Mar 2019 12:46

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC100

Tot Ion: 56 Resp: 80650

Ion Ratio Lower Upper

56 100

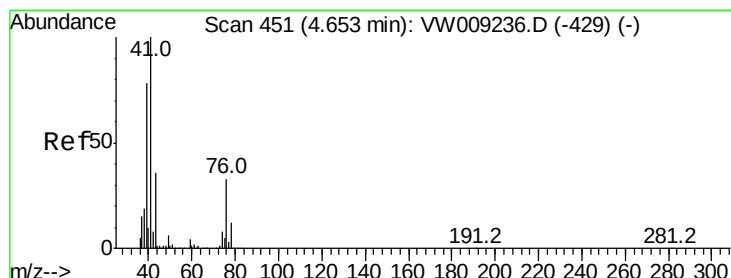
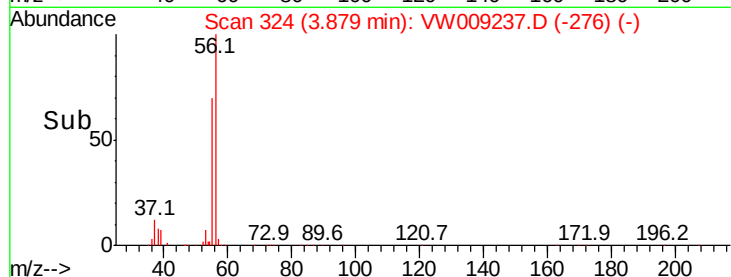
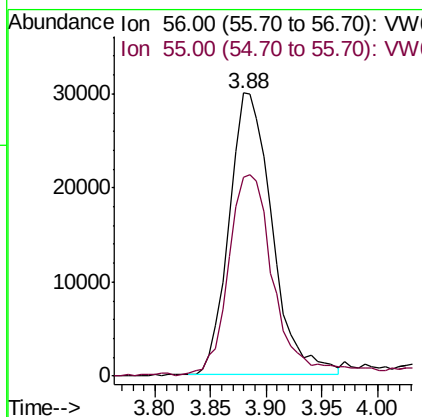
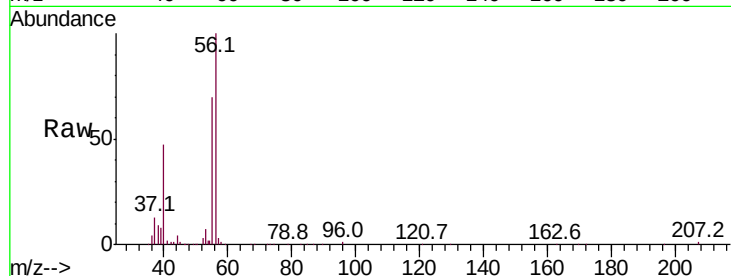
55 75.4 55.2 82.8

Manual Integrations

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MMDadoda

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#14

Allyl chloride

Concen: 95.122 ug/l

RT: 4.65 min Scan# 451

Delta R.T. 0.00 min

Lab File: VW009237.D

Acq: 19 Mar 2019 12:46

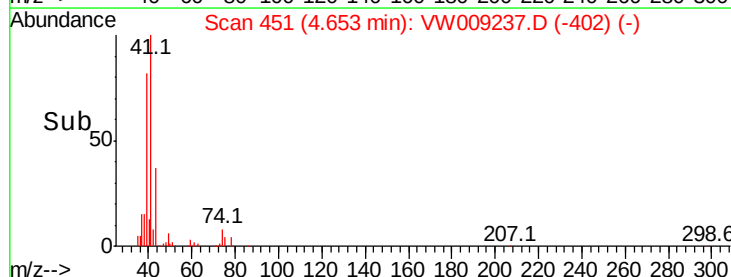
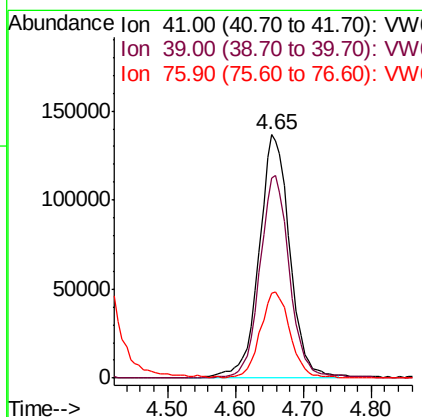
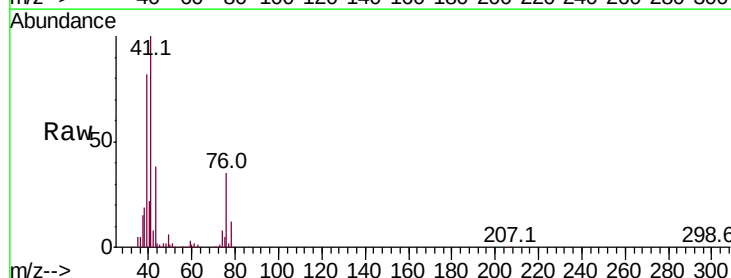
Tgt Ion: 41 Resp: 429011

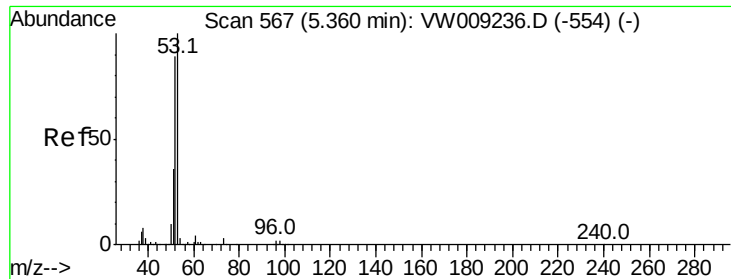
Ion Ratio Lower Upper

41 100

39 80.9 63.8 95.6

76 33.7 27.8 41.6





#15

Acrylonitrile

Concen: 494.285 ug/l

RT: 5.36 min Scan# 567

Delta R.T. 0.00 min

Lab File: VW009237.D

Acq: 19 Mar 2019 12:46

Instrument :

MSVOA_W

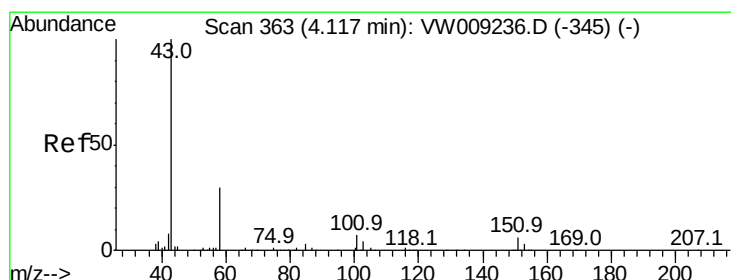
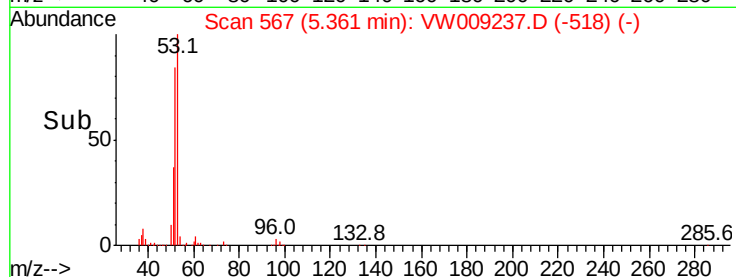
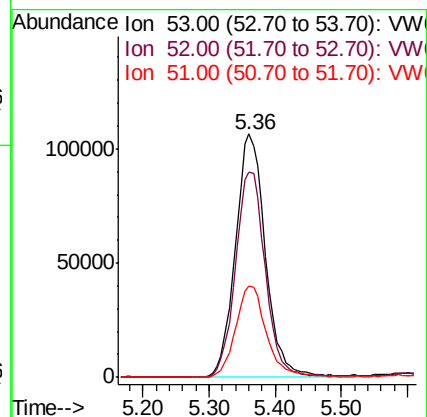
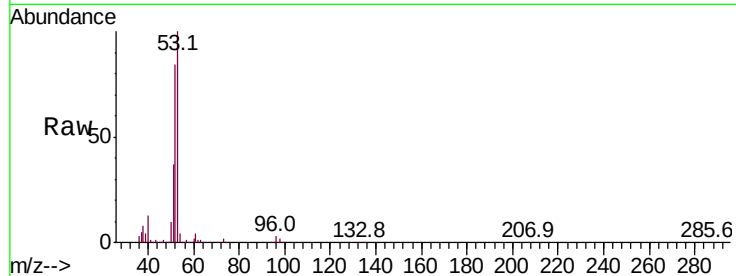
ClientSampleId :

VSTDICC100

Tot Ion:	53	Resp:	334709
Ion Ratio	Lower	Upper	
53	100		
52	83.9	67.6	101.4
51	38.7	30.6	45.8

Manual Integrations
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MMDadoda
3/22/2019 3:53:02 AM



#16

Acetone

Concen: 478.943 ug/l

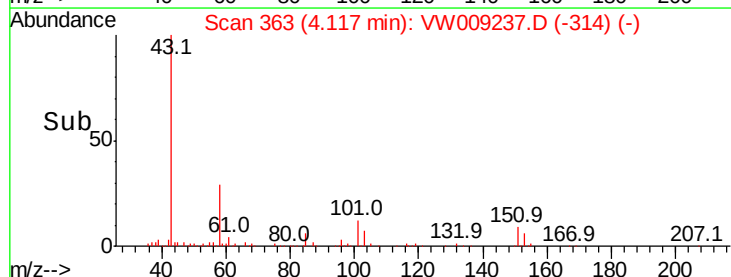
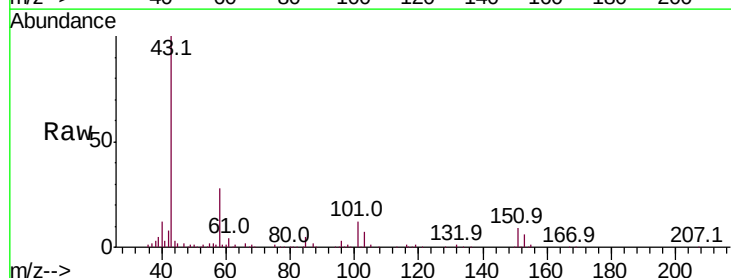
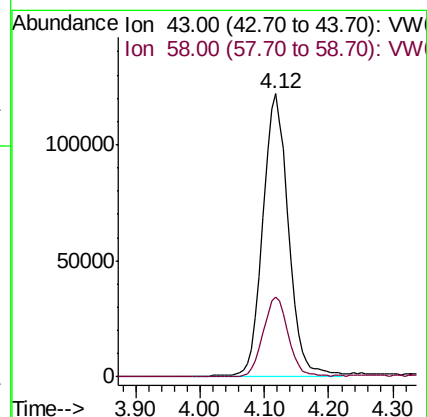
RT: 4.12 min Scan# 363

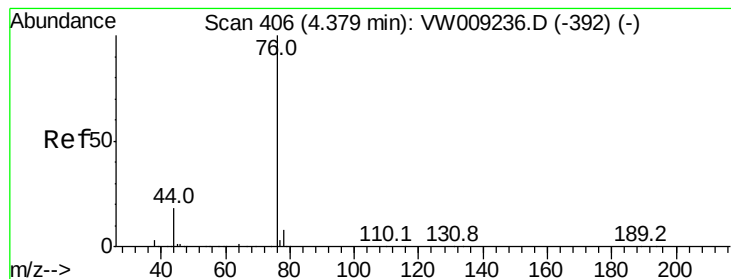
Delta R.T. 0.00 min

Lab File: VW009237.D

Acq: 19 Mar 2019 12:46

Tgt Ion:	43	Resp:	335046
Ion Ratio	Lower	Upper	
43	100		
58	28.1	23.6	35.4





#17

Carbon Disulfide

Concen: 90.499 ug/l

RT: 4.37 min Scan# 405

Delta R.T. -0.01 min

Lab File: VW009237.D

Acq: 19 Mar 2019 12:46

Tot Ion: 76 Resp: 771838

Ion Ratio Lower Upper

76 100

78 8.8 6.6 9.8

Instrument :

MSVOA_W

ClientSampleId :

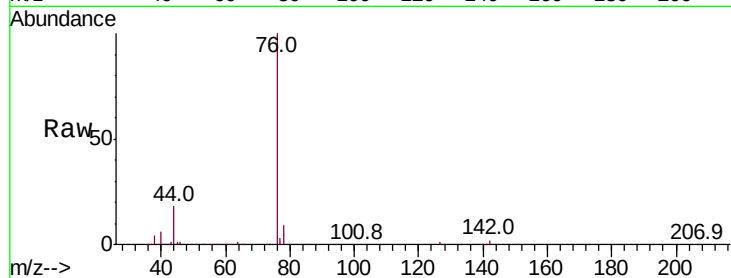
VSTDIC100

Manual Integrations

APPROVED

MMDadoda

3/22/2019 3:53:02 AM



Abundance Ion 75.90 (75.60 to 76.60): VW

Ion 77.90 (77.60 to 78.60): VW

250000

200000

150000

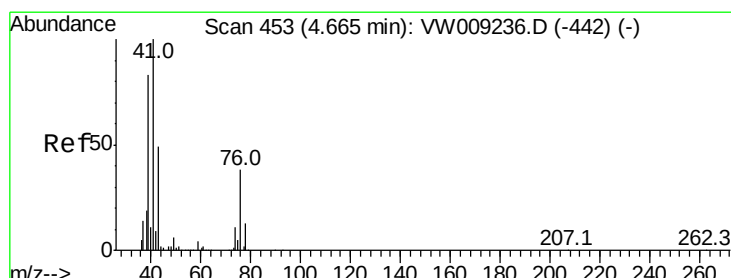
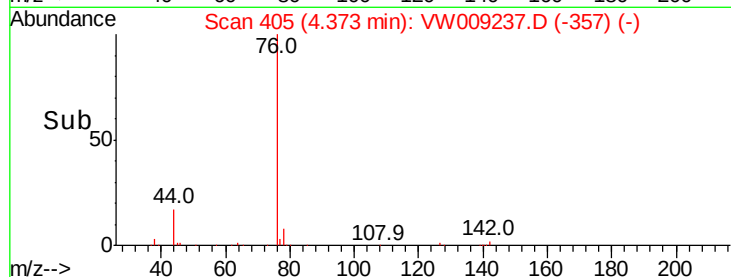
100000

50000

0

4.20 4.30 4.40 4.50 4.60

Time-->



#18

Methyl Acetate

Concen: 98.619 ug/l

RT: 4.67 min Scan# 453

Delta R.T. 0.00 min

Lab File: VW009237.D

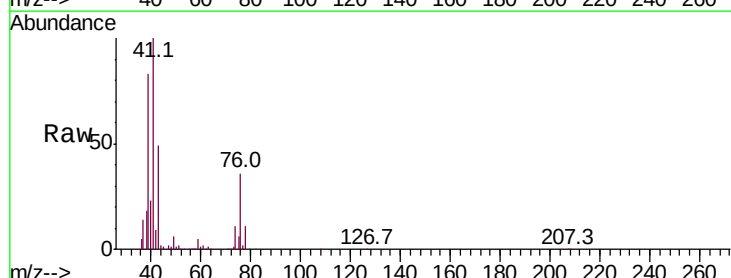
Acq: 19 Mar 2019 12:46

Tgt Ion: 43 Resp: 177057

Ion Ratio Lower Upper

43 100

74 22.0 17.7 26.5



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 74.00 (73.70 to 74.70): VW

60000

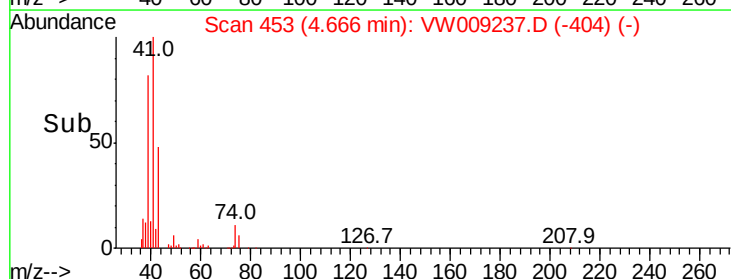
40000

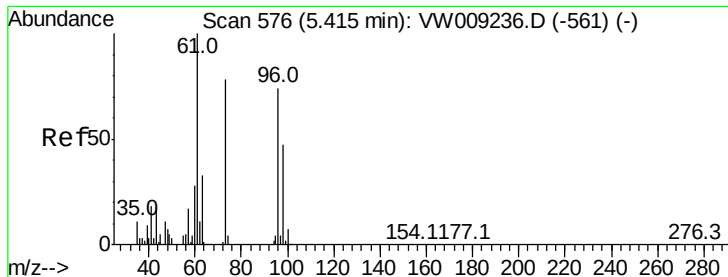
20000

0

4.50 4.60 4.70 4.80

Time-->





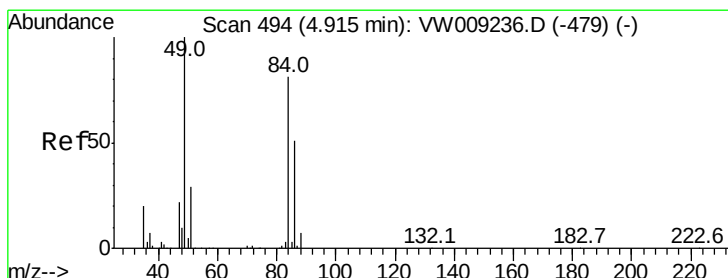
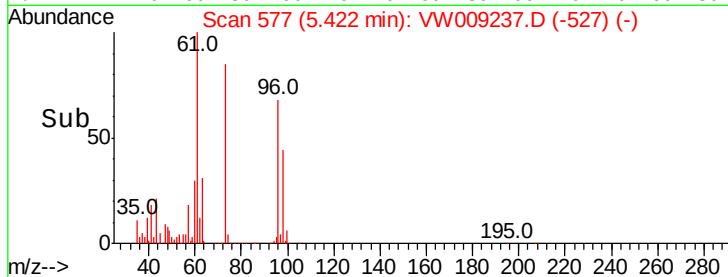
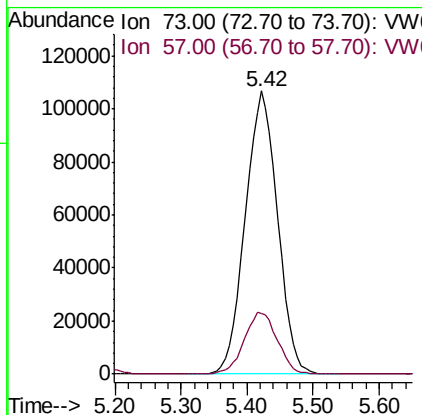
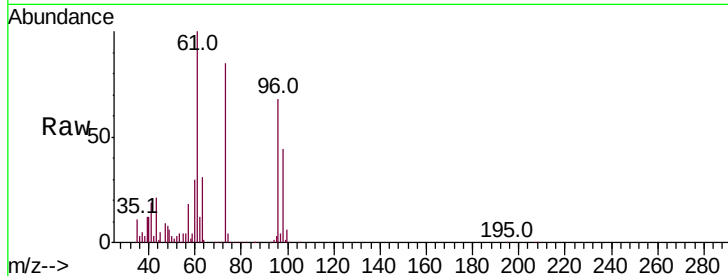
#19
Methyl tert-butyl Ether
Concen: 96.429 ug/l
RT: 5.42 min Scan# 577
Delta R.T. 0.01 min
Lab File: VW009237.D
Acq: 19 Mar 2019 12:46

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC100

Tot Ion: 73 Resp: 362067
Ion Ratio Lower Upper
73 100
57 21.5 17.0 25.6

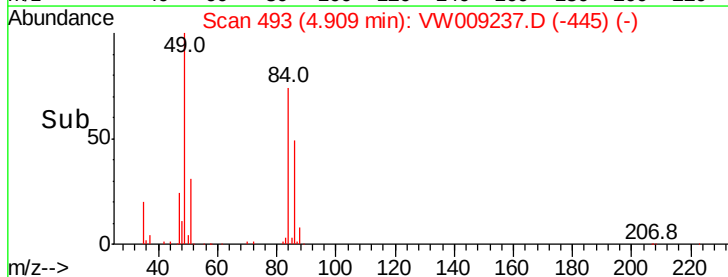
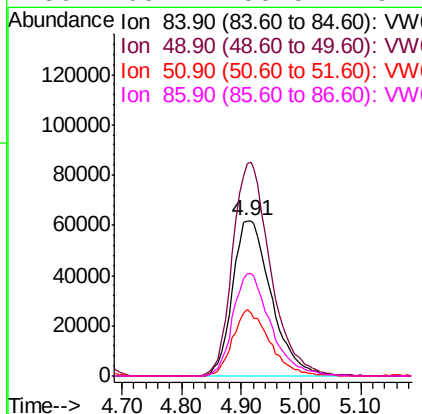
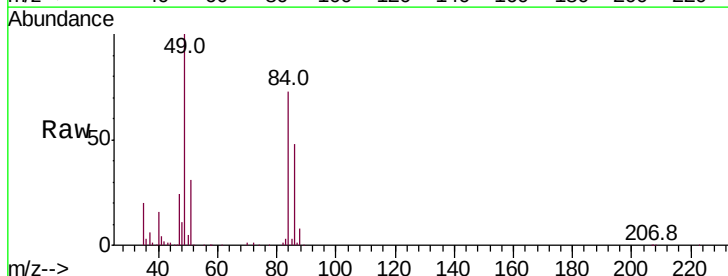
Manual Integrations
APPROVED

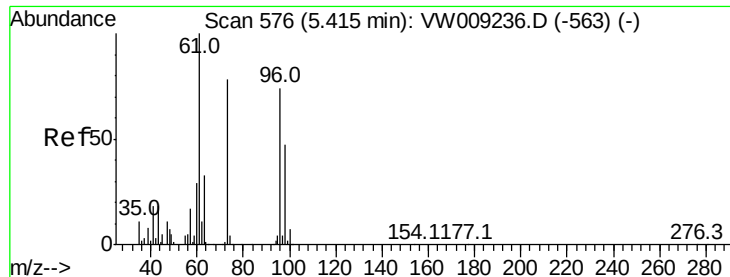
MMDadoda
3/22/2019 3:53:02 AM



#20
Methylene Chloride
Concen: 85.452 ug/l
RT: 4.91 min Scan# 493
Delta R.T. -0.01 min
Lab File: VW009237.D
Acq: 19 Mar 2019 12:46

Tgt Ion: 84 Resp: 279118
Ion Ratio Lower Upper
84 100
49 137.0 99.1 148.7
51 42.7 28.7 43.1
86 65.7 50.5 75.7





#21

trans-1,2-Dichloroethene

Concen: 93.984 ug/l

RT: 5.42 min Scan# 576

Delta R.T. 0.00 min

Lab File: VW009237.D

Acq: 19 Mar 2019 12:46

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC100

Tot Ion: 96 Resp: 295816

Ion Ratio Lower Upper

96 100

61 137.9 108.2 162.4

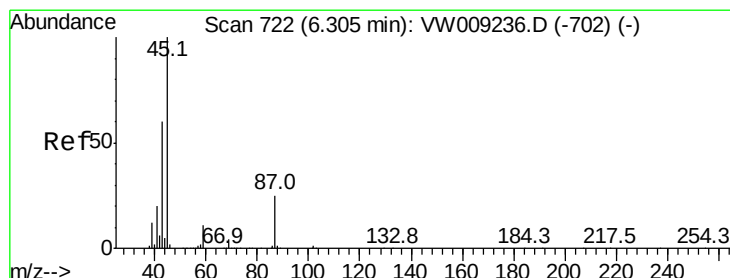
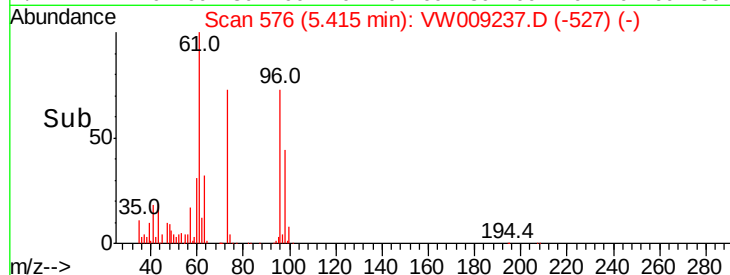
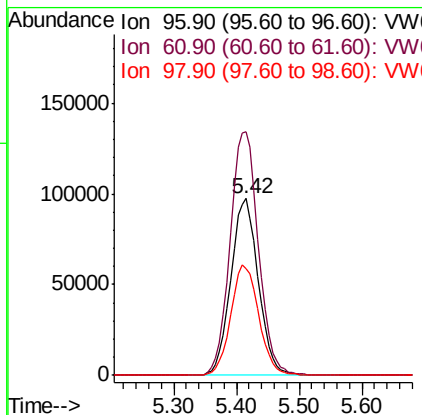
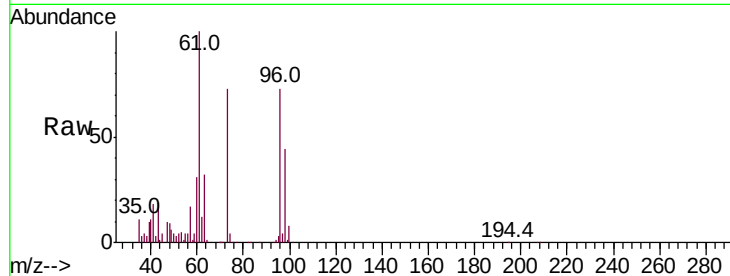
98 60.2 50.9 76.3

Manual Integrations

APPROVED

MMDadoda

3/22/2019 3:53:02 AM



#22

Diisopropyl ether

Concen: 99.684 ug/l

RT: 6.31 min Scan# 723

Delta R.T. 0.01 min

Lab File: VW009237.D

Acq: 19 Mar 2019 12:46

Tgt Ion: 45 Resp: 969234

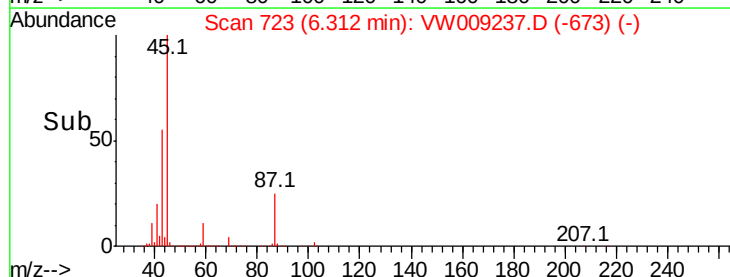
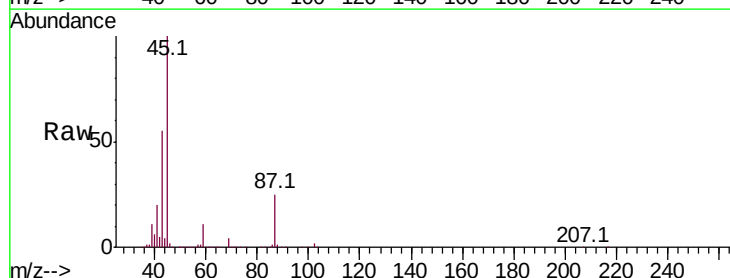
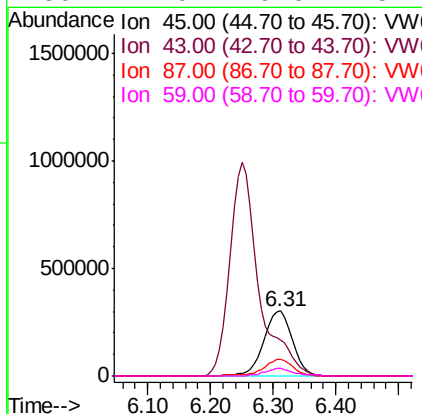
Ion Ratio Lower Upper

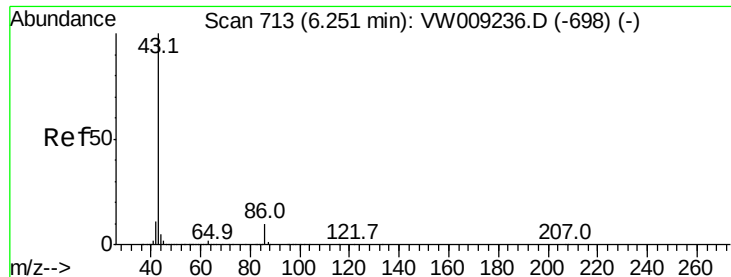
45 100

43 55.4 47.9 71.9

87 25.2 20.6 30.8

59 11.0 9.0 13.4





#23

Vinyl Acetate

Concen: 522.776 ug/l

RT: 6.25 min Scan# 713

Delta R.T. 0.00 min

Lab File: VW009237.D

Acq: 19 Mar 2019 12:46

Tot Ion: 43 Resp: 3189270

Ion Ratio Lower Upper

43 100

86 9.5 7.7 11.5

Instrument :

MSVOA_W

ClientSampleId :

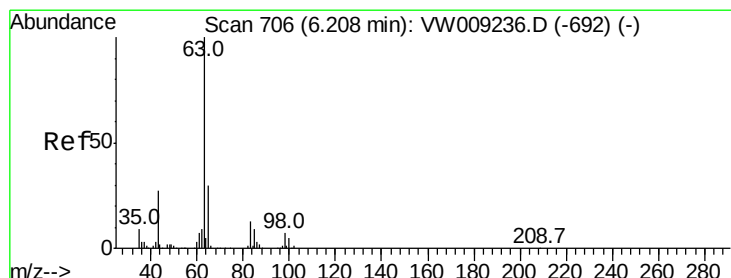
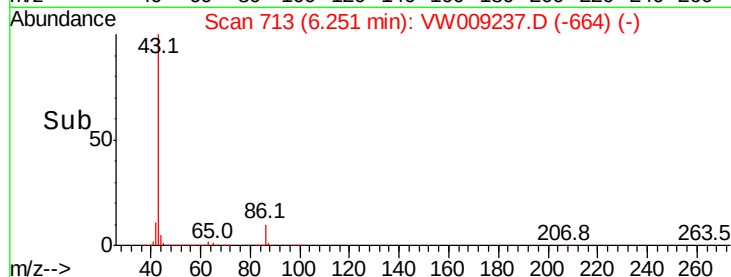
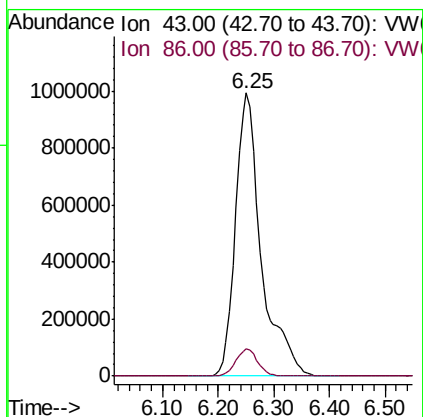
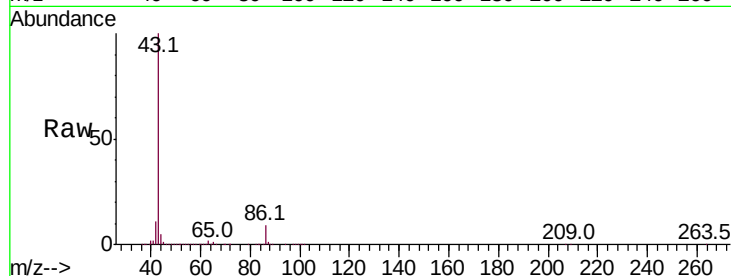
VSTDICC100

Manual Integrations

APPROVED

MMDadoda

3/22/2019 3:53:02 AM



#24

1,1-Dichloroethane

Concen: 92.985 ug/l

RT: 6.21 min Scan# 706

Delta R.T. 0.00 min

Lab File: VW009237.D

Acq: 19 Mar 2019 12:46

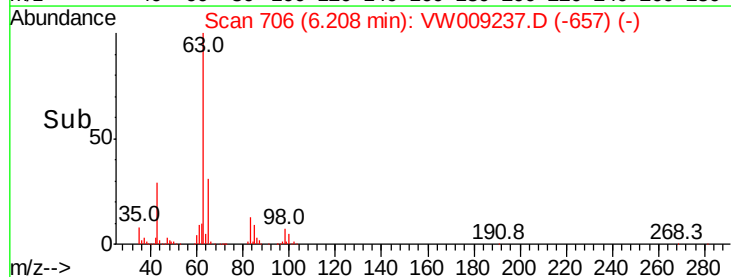
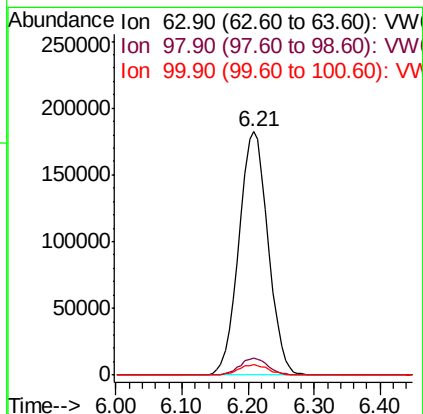
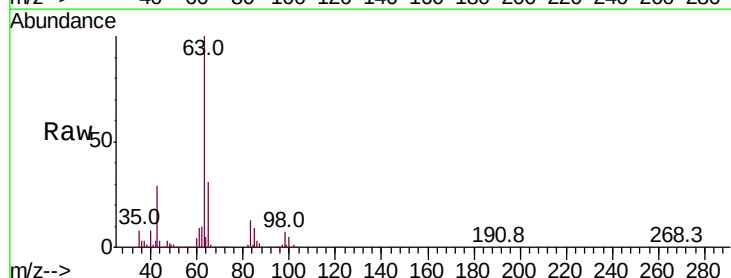
Tgt Ion: 63 Resp: 557972

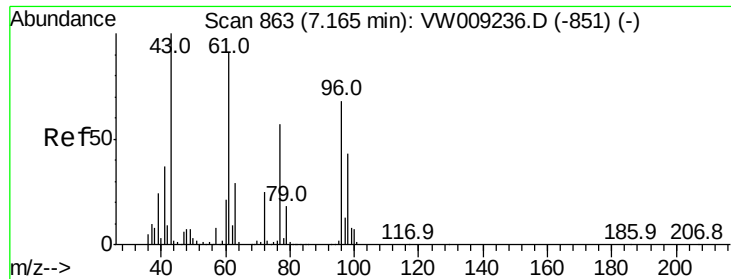
Ion Ratio Lower Upper

63 100

98 7.0 3.7 11.1

100 4.6 2.4 7.1





#25

2-Butanone

Concen: 508.364 ug/l

RT: 7.17 min Scan# 863

Delta R.T. 0.00 min

Lab File: VW009237.D

Acq: 19 Mar 2019 12:46

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC100

Tot Ion: 43 Resp: 509575

Ion Ratio Lower Upper

43 100

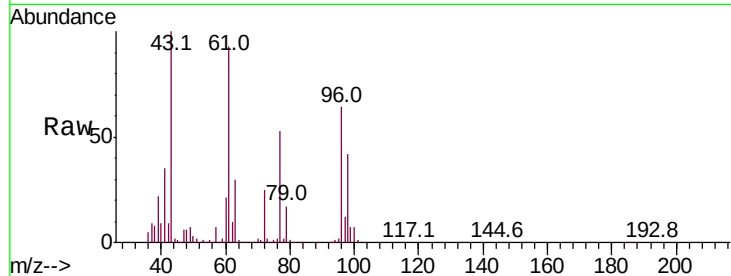
72 24.5 20.0 30.0

Manual Integrations

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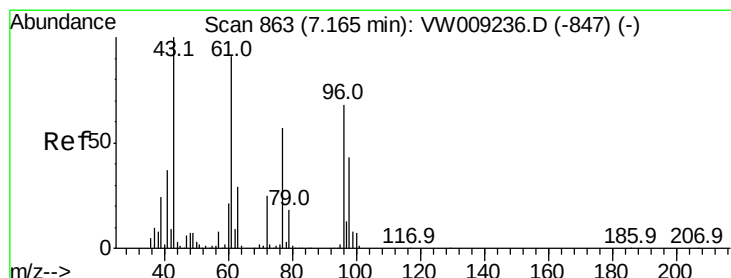
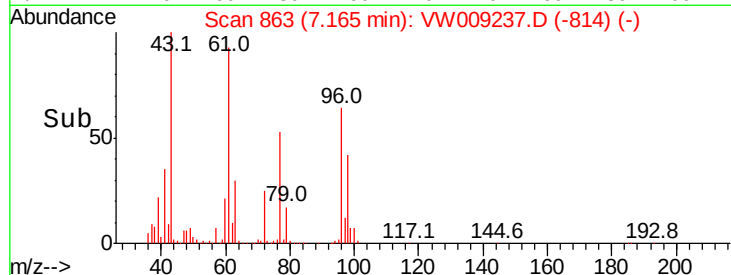
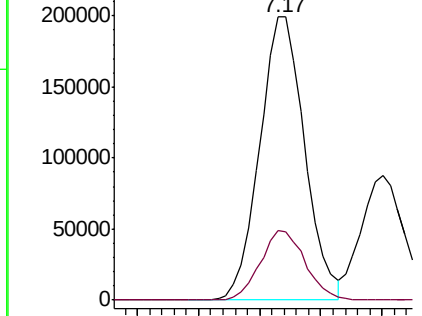
MMDadoda

3/22/2019 3:53:02 AM



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 72.00 (71.70 to 72.70): VW



#26

2,2-Dichloropropane

Concen: 91.388 ug/l

RT: 7.16 min Scan# 862

Delta R.T. -0.01 min

Lab File: VW009237.D

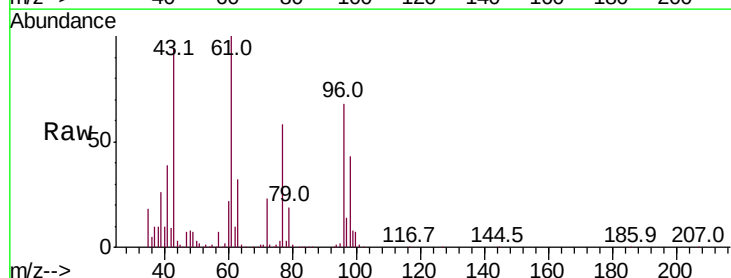
Acq: 19 Mar 2019 12:46

Tgt Ion: 77 Resp: 306408

Ion Ratio Lower Upper

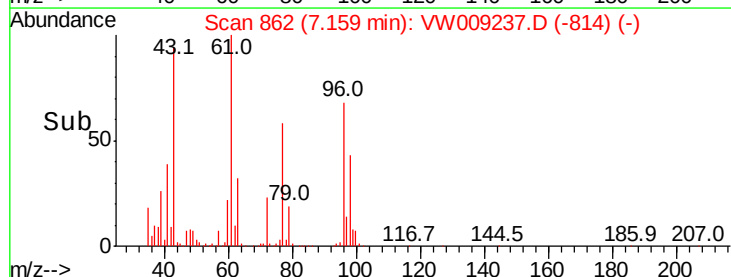
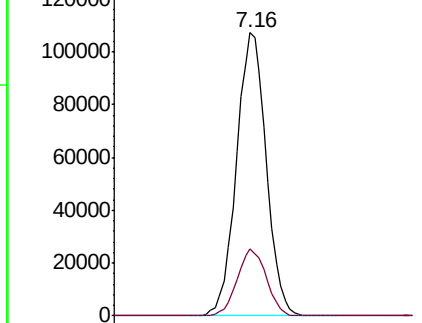
77 100

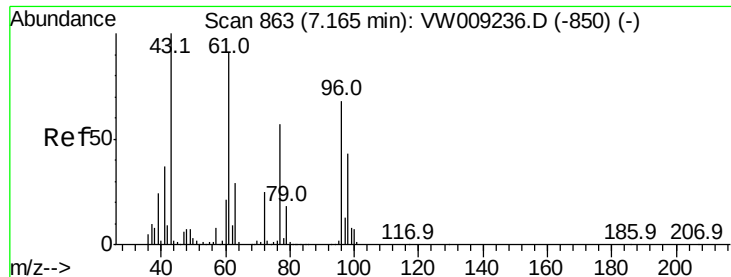
97 23.2 11.6 34.7



Abundance Ion 76.90 (76.60 to 77.60): VW

Ion 96.90 (96.60 to 97.60): VW





#27

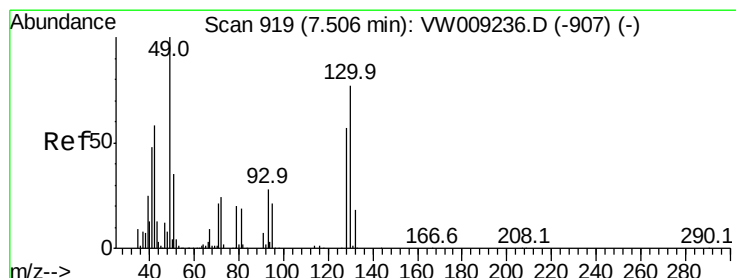
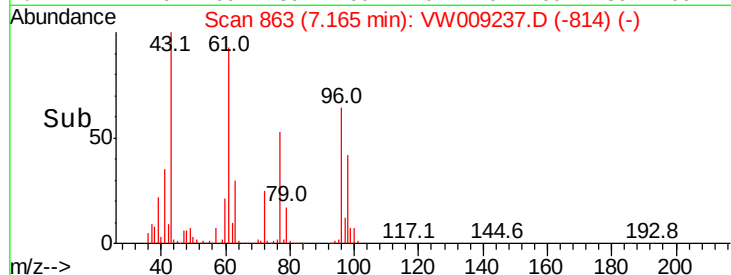
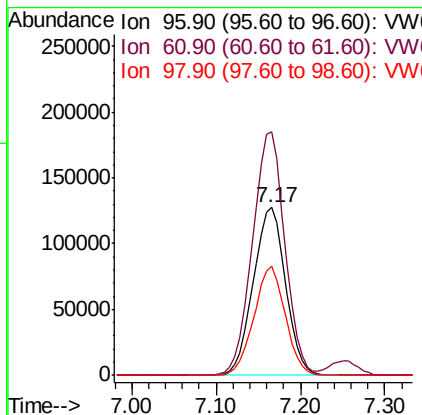
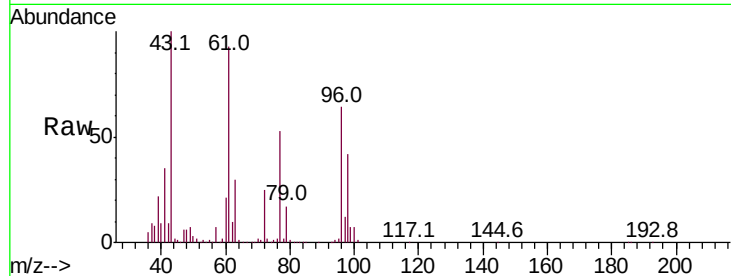
cis-1,2-Dichloroethene
Concen: 98.126 ug/l
RT: 7.17 min Scan# 863
Delta R.T. 0.00 min
Lab File: VW009237.D
Acq: 19 Mar 2019 12:46

Instrument :
MSVOA_W
ClientSampleId :
VSTDICC100

Tot Ion	Ratio	Lower	Upper
96	100		
61	144.8	0.0	289.8
98	63.1	0.0	130.8

Manual Integrations
APPROVED

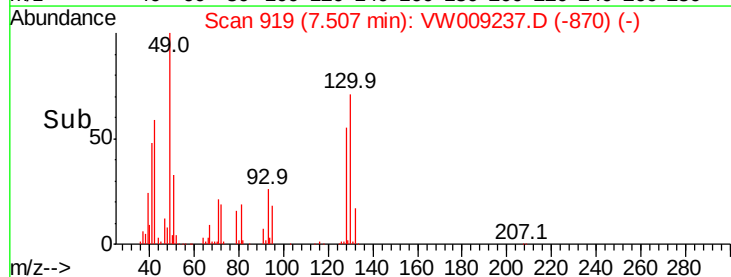
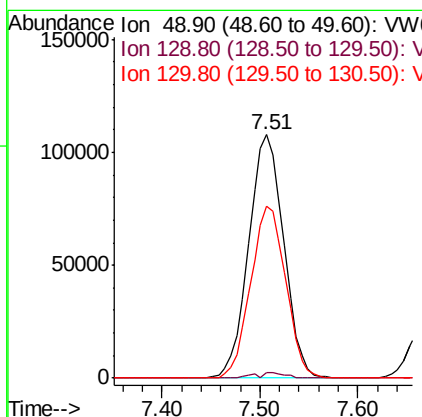
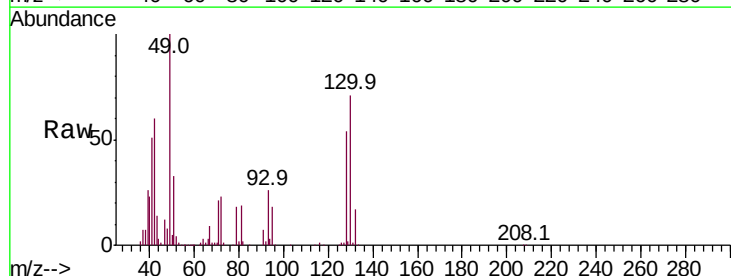
MMDadoda
3/22/2019 3:53:02 AM

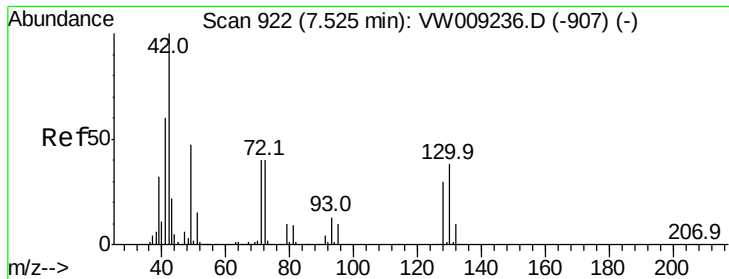


#28

Bromochloromethane
Concen: 101.643 ug/l
RT: 7.51 min Scan# 919
Delta R.T. 0.00 min
Lab File: VW009237.D
Acq: 19 Mar 2019 12:46

Tgt Ion	Ratio	Lower	Upper
49	100		
129	2.0	0.0	1.4#
130	71.0	58.6	88.0





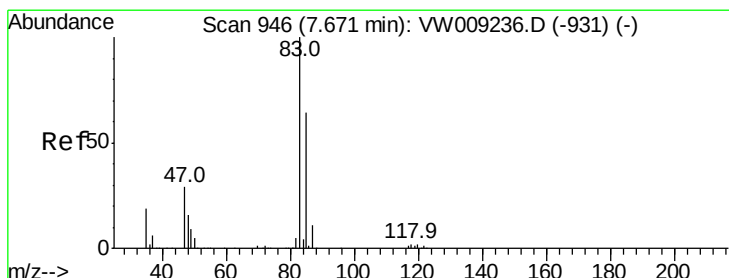
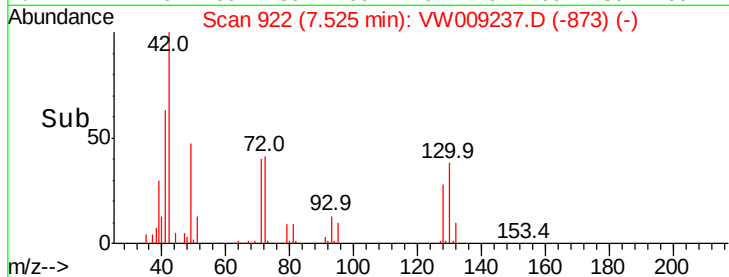
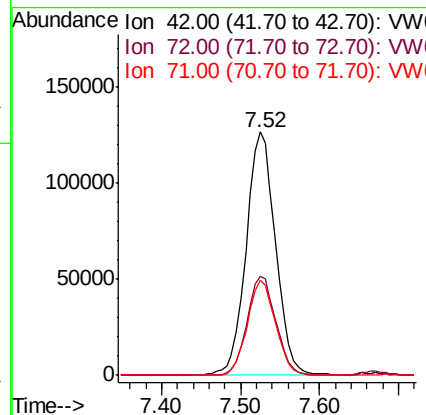
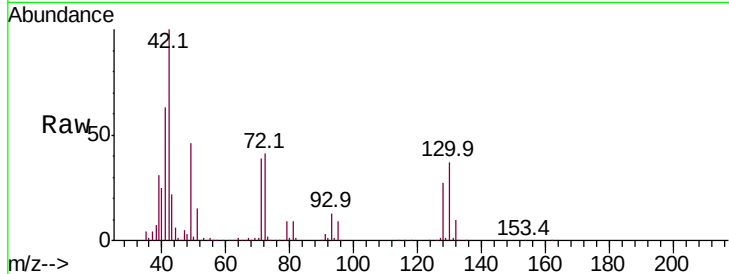
#29
Tetrahydrofuran
Concen: 513.543 ug/l
RT: 7.52 min Scan# 922
Delta R.T. 0.00 min
Lab File: VW009237.D
Acq: 19 Mar 2019 12:46

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Lower	Upper
42	100		
72	39.9	32.4	48.6
71	37.8	30.1	45.1

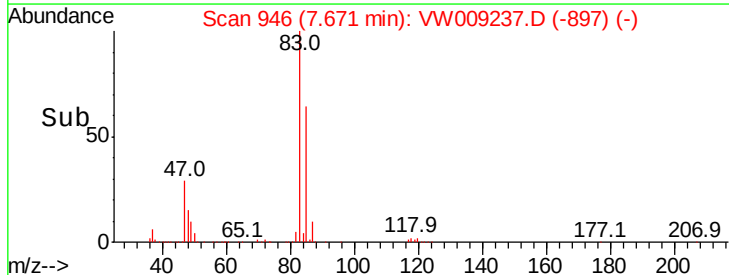
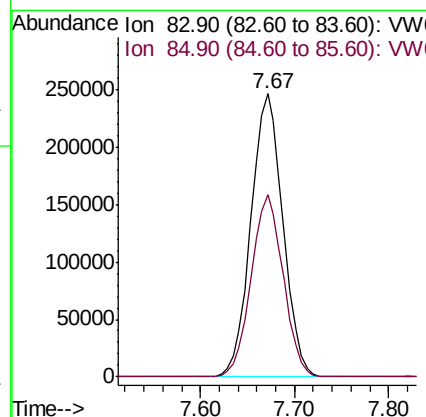
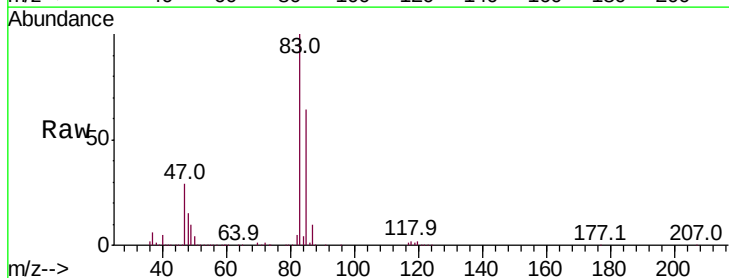
Manual Integrations
APPROVED

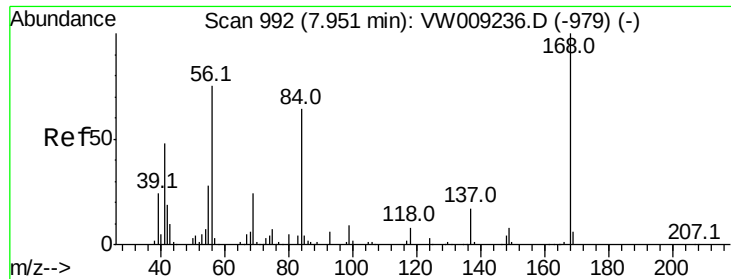
MMDadoda
3/22/2019 3:53:02 AM



#30
Chloroform
Concen: 93.973 ug/l
RT: 7.67 min Scan# 946
Delta R.T. 0.00 min
Lab File: VW009237.D
Acq: 19 Mar 2019 12:46

Tgt Ion	Ratio	Lower	Upper
83	100		
85	64.3	51.0	76.6





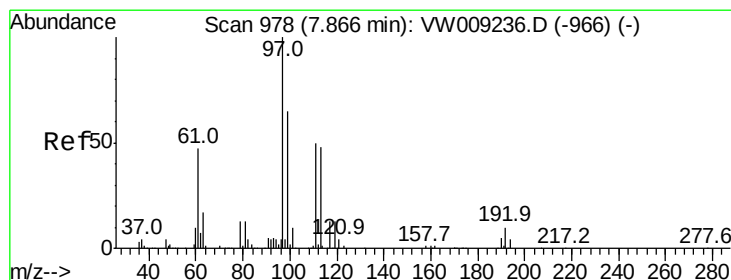
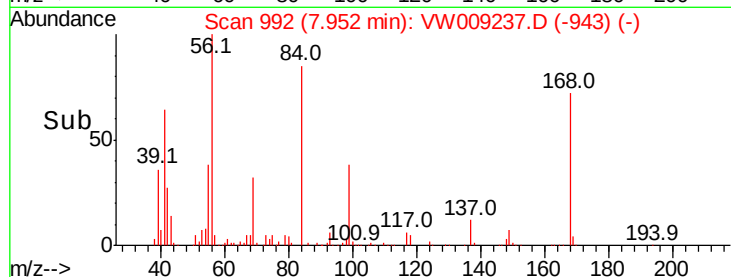
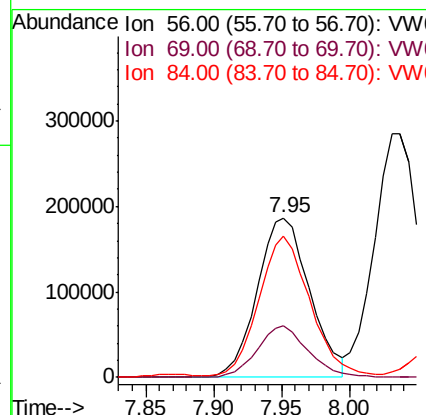
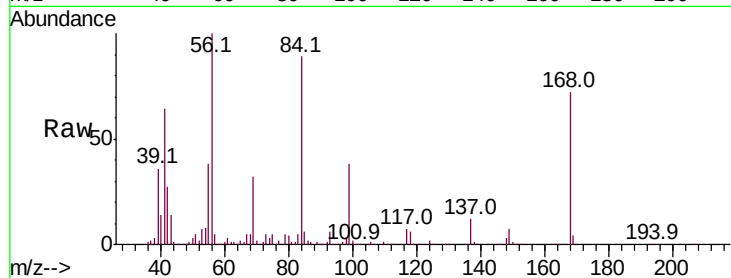
#31
Cyclohexane
Concen: 89.645 ug/l
RT: 7.95 min Scan# 992
Delta R.T. 0.00 min
Lab File: VW009237.D
Acq: 19 Mar 2019 12:46

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Lower	Upper
56	100		
69	32.3	26.1	39.1
84	87.4	68.6	103.0

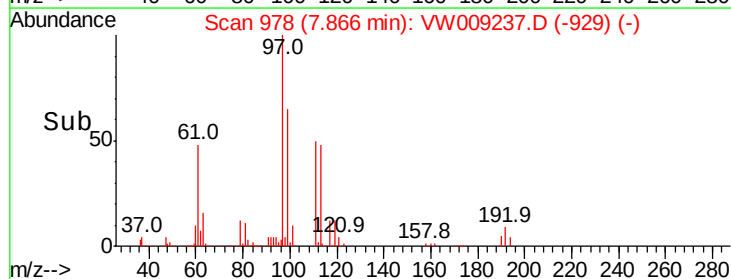
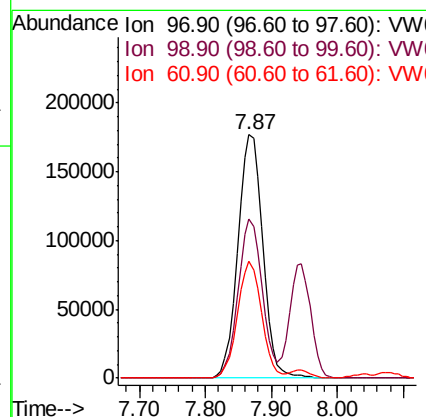
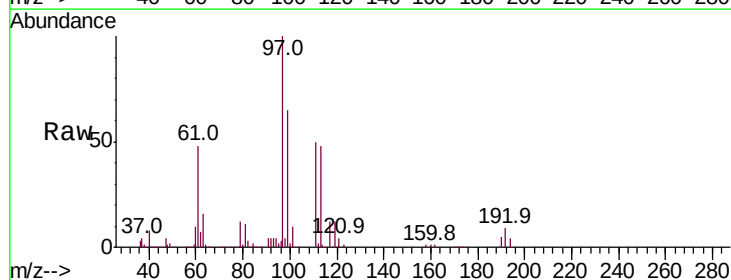
Manual Integrations
APPROVED

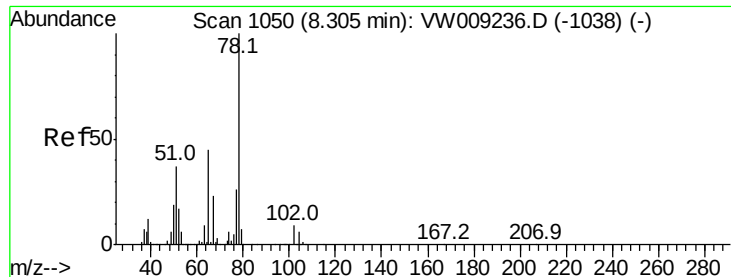
MMDadoda
3/22/2019 3:53:02 AM



#32
1,1,1-Trichloroethane
Concen: 92.422 ug/l
RT: 7.87 min Scan# 978
Delta R.T. 0.00 min
Lab File: VW009237.D
Acq: 19 Mar 2019 12:46

Tgt Ion	Ratio	Lower	Upper
97	100		
99	63.5	51.9	77.9
61	46.7	36.8	55.2





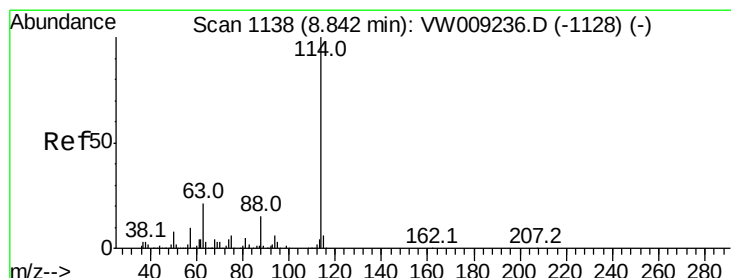
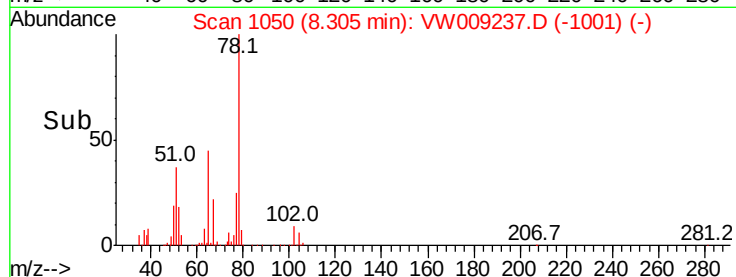
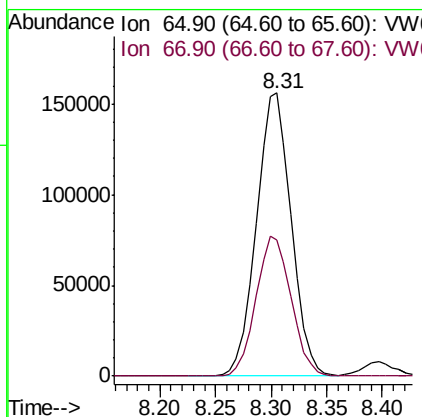
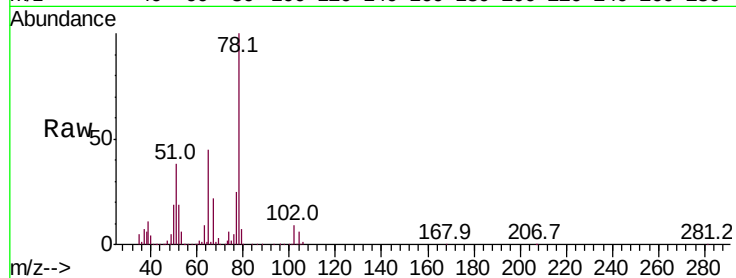
#33
 1,2-Dichloroethane-d4
 Concen: 99.481 ug/l
 RT: 8.31 min Scan# 1050
 Delta R.T. 0.00 min
 Lab File: VW009237.D
 Acq: 19 Mar 2019 12:46

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC100

Tot Ion	Ratio	Lower	Upper
65	100		
67	50.1	0.0	102.4

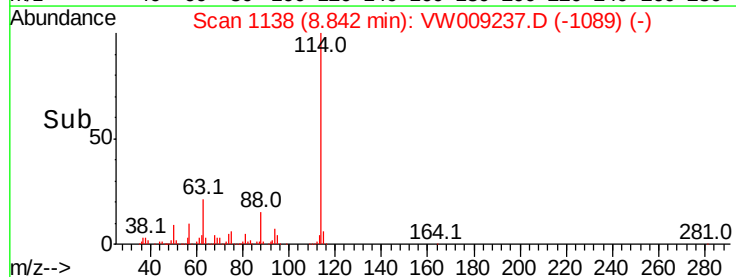
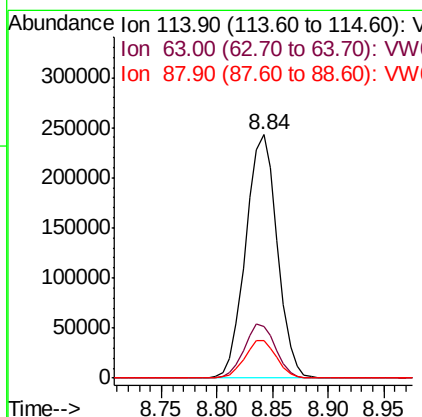
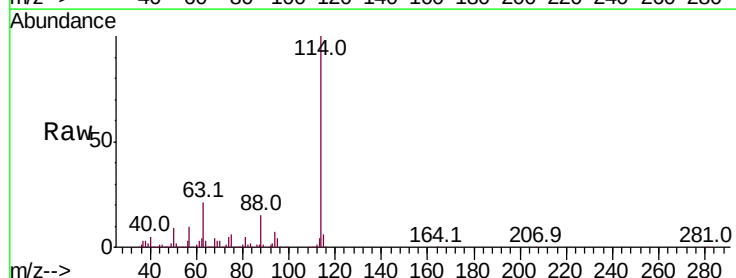
Manual Integrations
 APPROVED

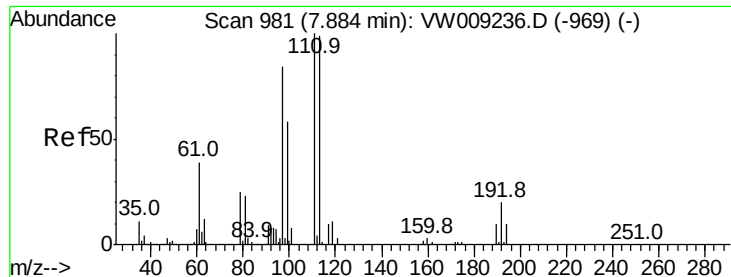
MMDadoda
 3/22/2019 3:53:02 AM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1138
 Delta R.T. 0.00 min
 Lab File: VW009237.D
 Acq: 19 Mar 2019 12:46

Tgt Ion	Ratio	Lower	Upper
114	100		
63	21.2	0.0	42.2
88	15.5	0.0	30.8





#35

Dibromofluoromethane

Concen: 97.477 ug/l

RT: 7.88 min Scan# 980

Delta R.T. -0.01 min

Lab File: VW009237.D

Acq: 19 Mar 2019 12:46

Instrument :

MSVOA_W

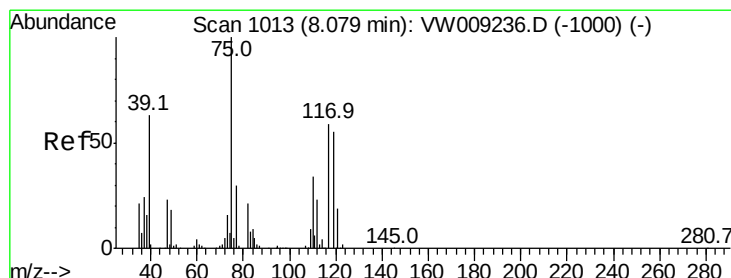
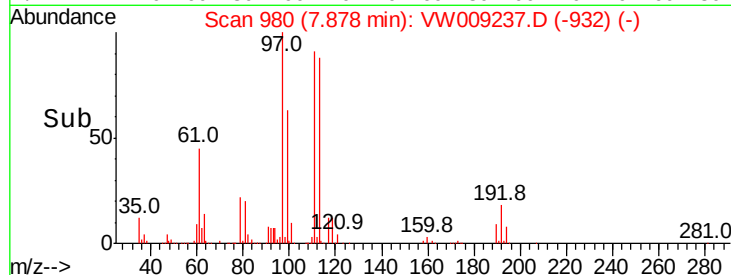
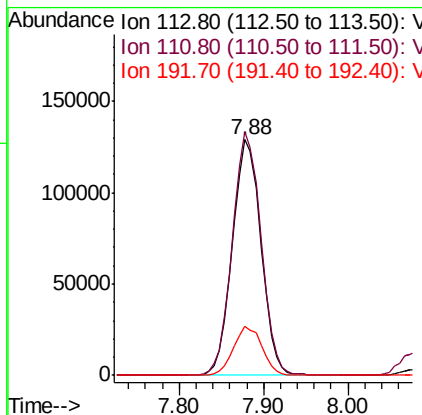
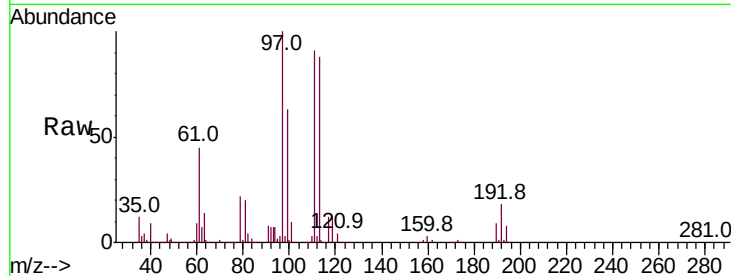
ClientSampleId :

VSTDIC100

Tot Ion:	113	Resp:	296185
Ion Ratio	Lower	Upper	
113	100		
111	103.7	82.6	124.0
192	20.8	16.4	24.6

Manual Integrations
APPROVED

MMDadoda
3/22/2019 3:53:02 AM



#36

1,1-Dichloropropene

Concen: 94.282 ug/l

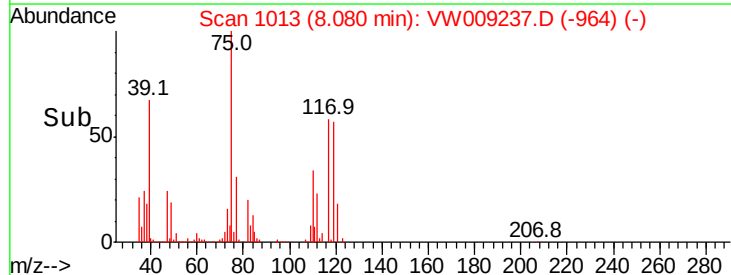
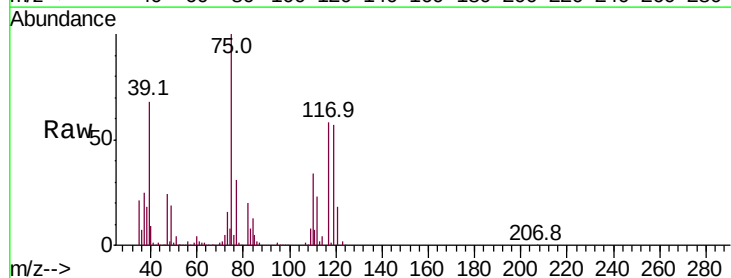
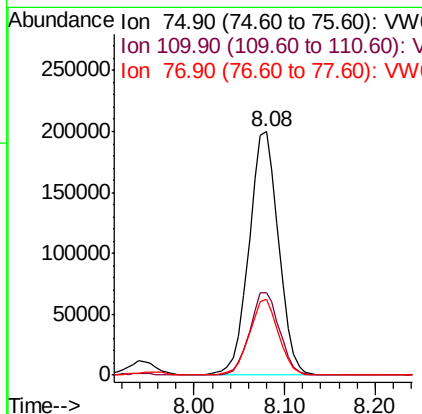
RT: 8.08 min Scan# 1013

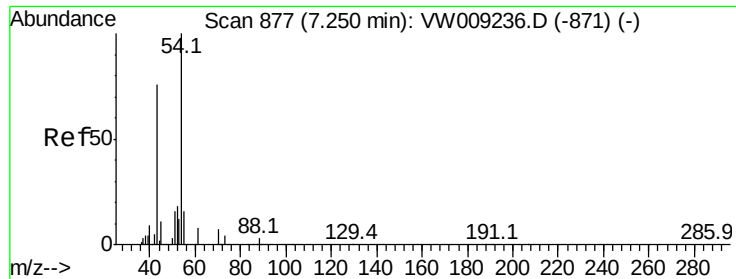
Delta R.T. 0.00 min

Lab File: VW009237.D

Acq: 19 Mar 2019 12:46

Tgt Ion:	75	Resp:	449399
Ion Ratio	Lower	Upper	
75	100		
110	34.1	16.8	50.4
77	31.0	24.6	36.8





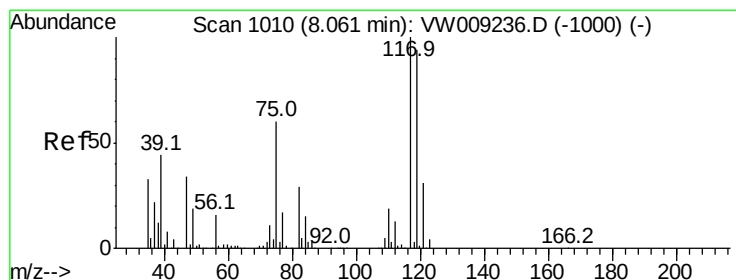
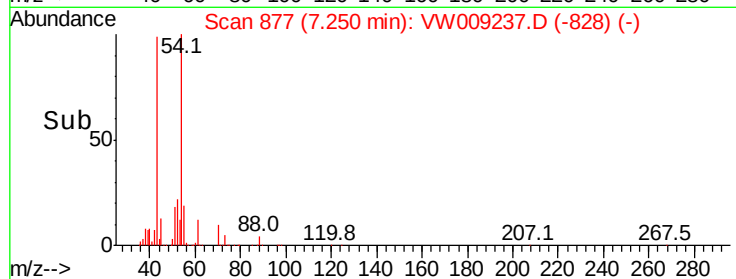
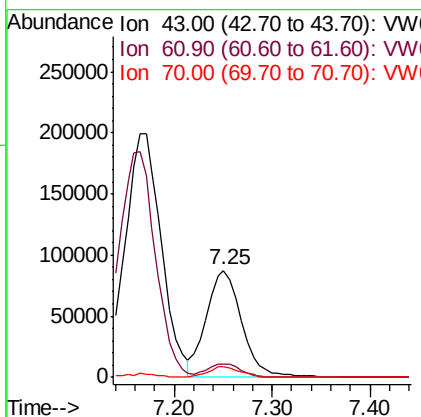
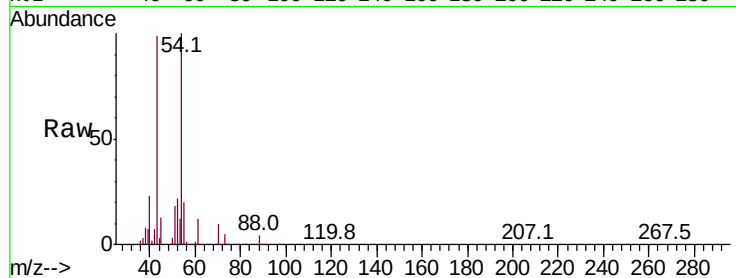
#37
Ethyl Acetate
Concen: 100.504 ug/l
RT: 7.25 min Scan# 877
Delta R.T. 0.00 min
Lab File: VW009237.D
Acq: 19 Mar 2019 12:46

Instrument :
MSVOA_W
ClientSampled :
VSTDIC100

Tot Ion	Ratio	Lower	Upper
43	100		
61	11.9	10.0	15.0
70	9.3	7.3	10.9

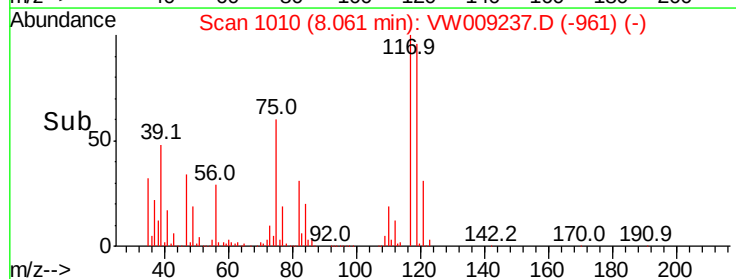
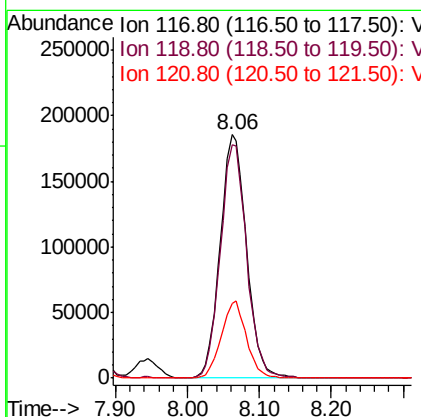
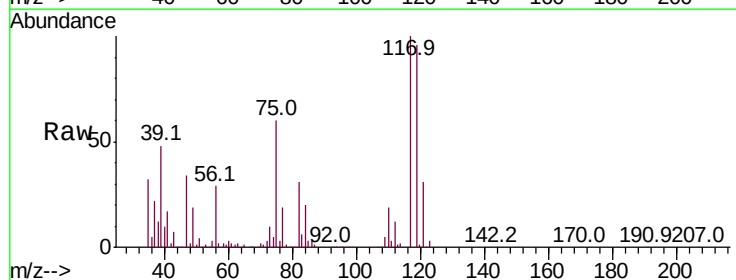
Manual Integrations
APPROVED

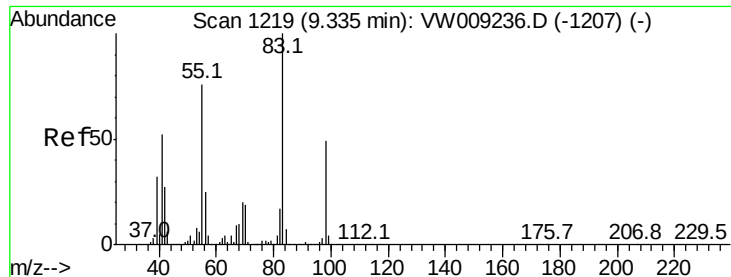
MMDadoda
3/22/2019 3:53:02 AM



#38
Carbon Tetrachloride
Concen: 93.539 ug/l
RT: 8.06 min Scan# 1010
Delta R.T. 0.00 min
Lab File: VW009237.D
Acq: 19 Mar 2019 12:46

Tgt Ion	Ratio	Lower	Upper
117	100		
119	95.9	75.4	113.0
121	30.7	24.9	37.3





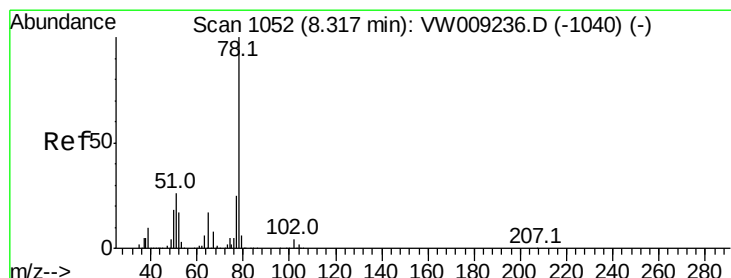
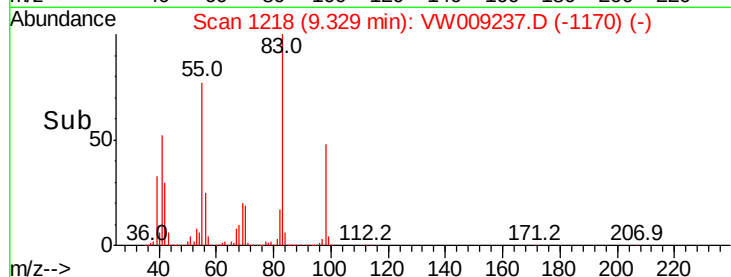
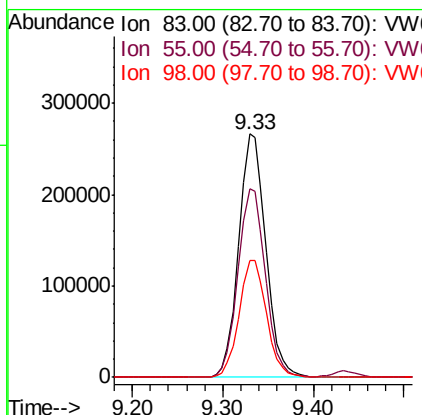
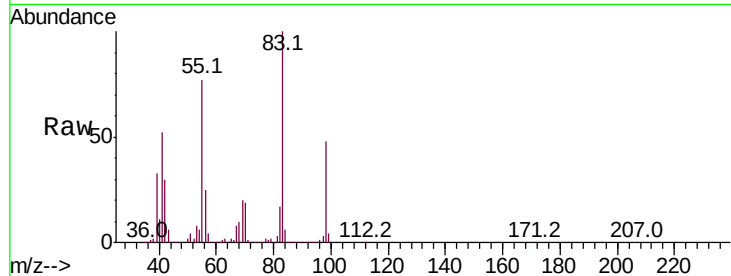
#39
Methylvlcyclohexane
Concen: 100.030 ug/l
RT: 9.33 min Scan# 1218
Delta R.T. -0.01 min
Lab File: VW009237.D
Acq: 19 Mar 2019 12:46

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Lower	Upper
83	100		
55	77.4	61.1	91.7
98	48.2	39.0	58.4

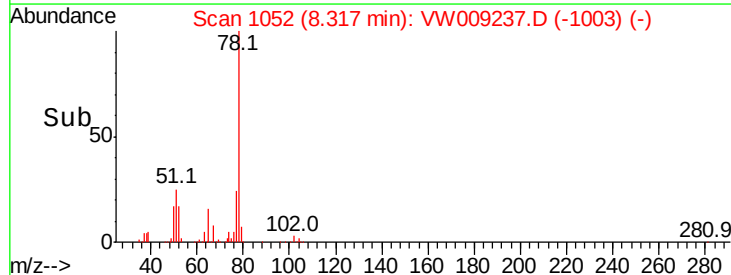
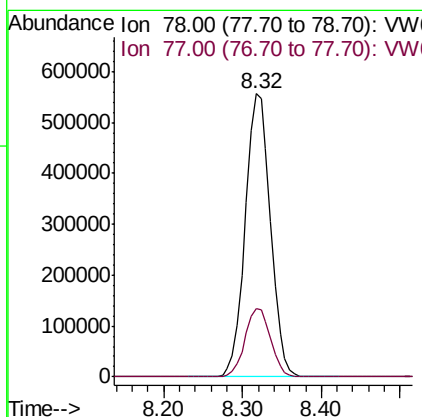
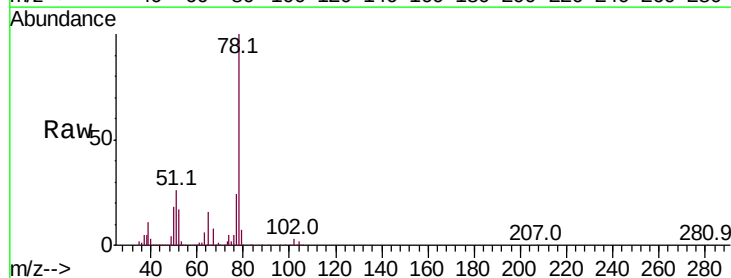
Manual Integrations
APPROVED

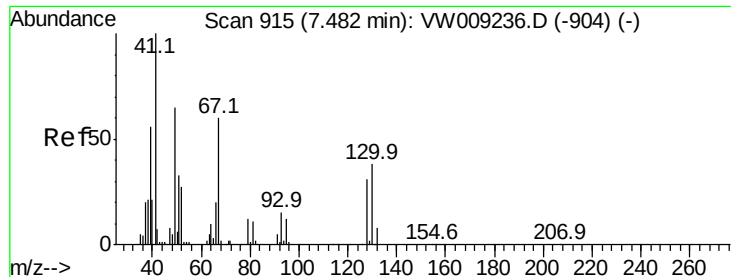
MMDadoda
3/22/2019 3:53:02 AM



#40
Benzene
Concen: 95.475 ug/l
RT: 8.32 min Scan# 1052
Delta R.T. 0.00 min
Lab File: VW009237.D
Acq: 19 Mar 2019 12:46

Tgt Ion	Ratio	Lower	Upper
78	100		
77	24.3	19.8	29.6





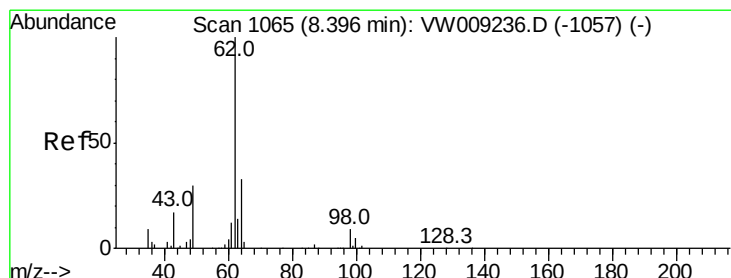
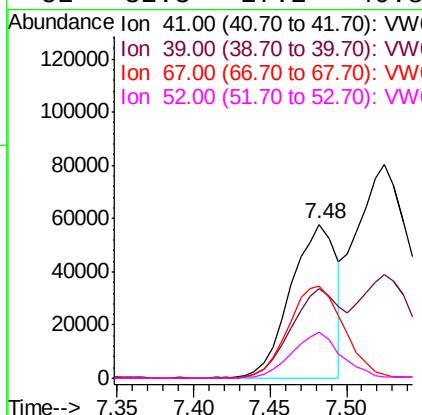
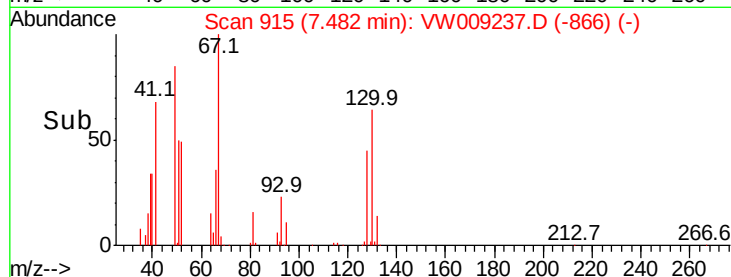
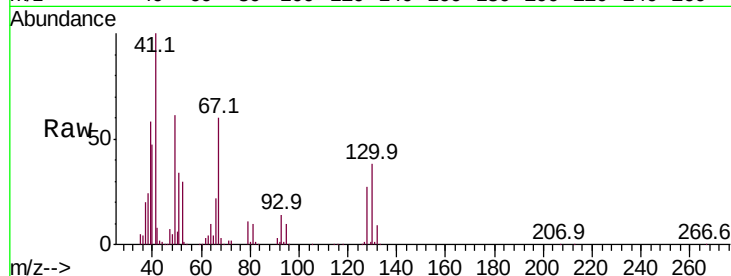
#41
Methacrylonitrile
Concen: 102.340 ug/l
RT: 7.48 min Scan# 915
Delta R.T. 0.00 min
Lab File: VW009237.D
Acq: 19 Mar 2019 12:46

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC100

Tot Ion	41	Resp	119971
Ion Ratio	Lower	Upper	
41	100		
39	65.4	52.5	78.7
67	73.0	56.6	84.8
52	32.3	27.2	40.8

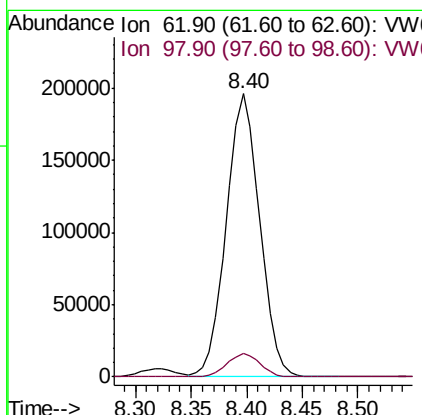
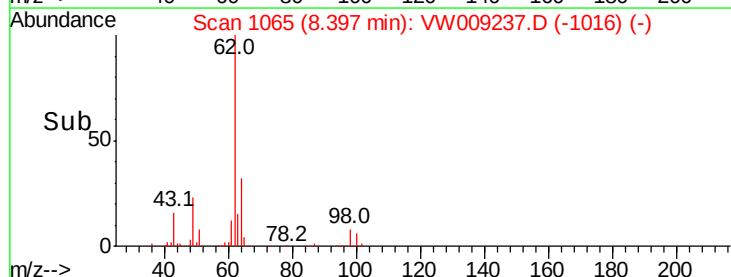
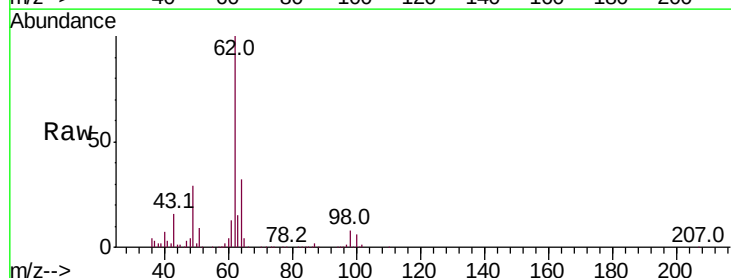
Manual Integrations
APPROVED

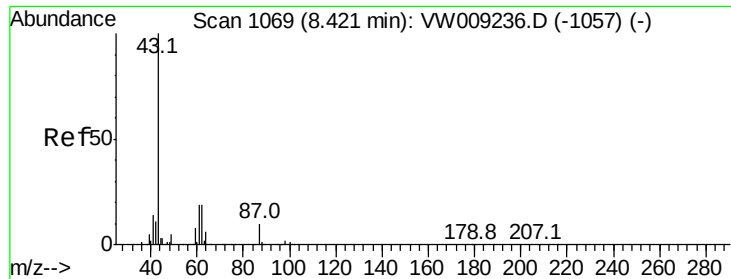
MMDadoda
3/22/2019 3:53:02 AM



#42
1,2-Dichloroethane
Concen: 96.277 ug/l
RT: 8.40 min Scan# 1065
Delta R.T. 0.00 min
Lab File: VW009237.D
Acq: 19 Mar 2019 12:46

Tgt Ion	62	Resp	406799
Ion Ratio	Lower	Upper	
62	100		
98	8.3	0.0	17.4





#43

Isopropyl Acetate

Concen: 101.756 ug/l

RT: 8.42 min Scan# 1069

Delta R.T. 0.00 min

Lab File: VW009237.D

Acq: 19 Mar 2019 12:46

Instrument :

MSVOA_W

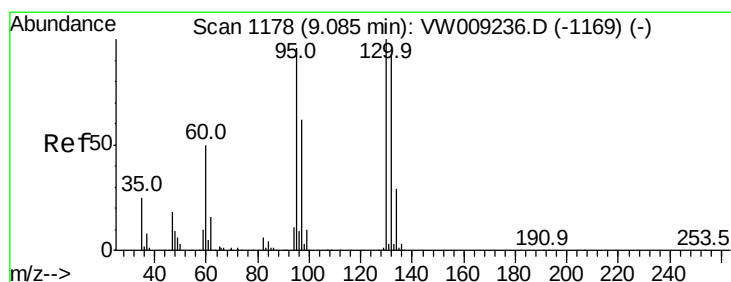
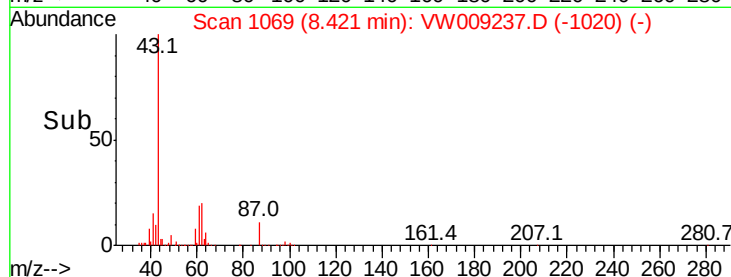
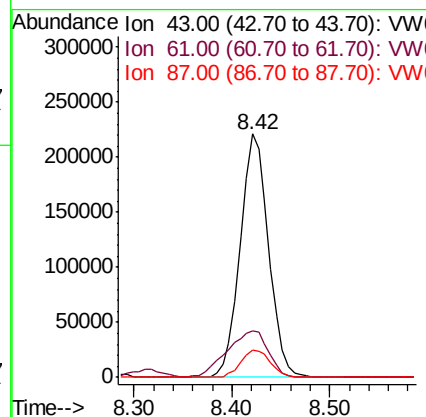
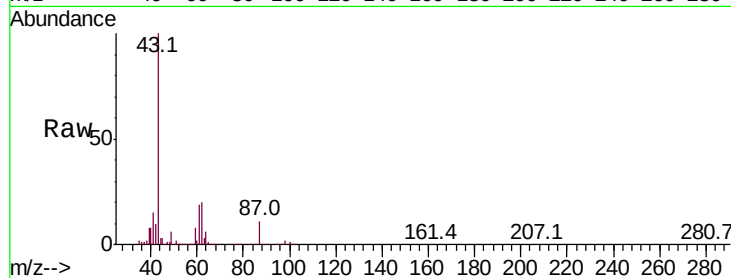
ClientSampleId :

VSTDICC100

Tot Ion:	43	Resp:	443179
Ion	Ratio	Lower	Upper
43	100		
61	27.8	22.2	33.2
87	11.7	9.6	14.4

Manual Integrations
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MMDadoda
3/22/2019 3:53:02 AM



#44

Trichloroethene

Concen: 93.512 ug/l

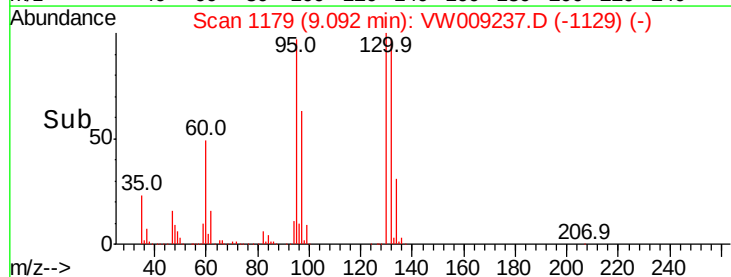
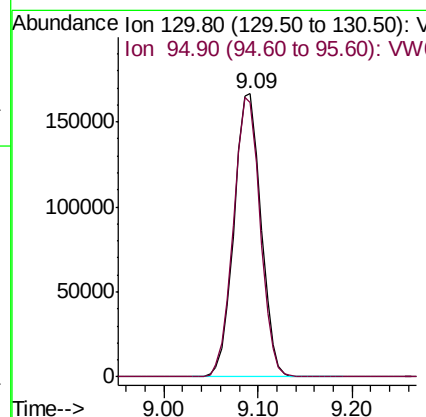
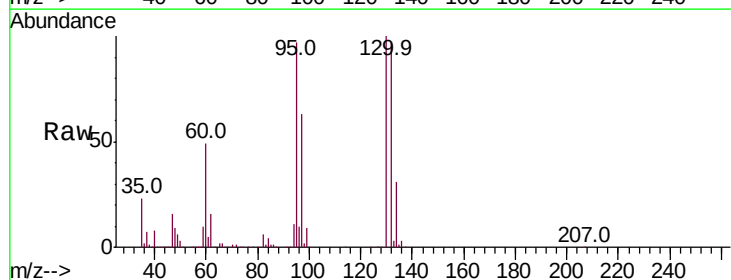
RT: 9.09 min Scan# 1179

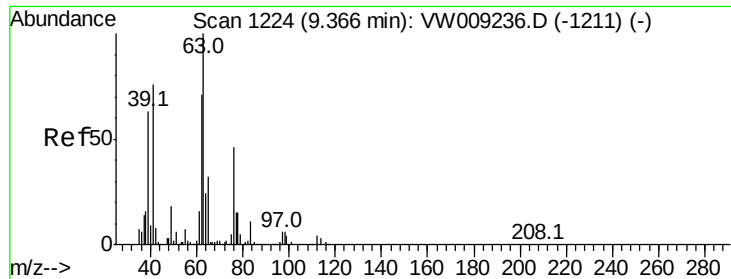
Delta R.T. 0.01 min

Lab File: VW009237.D

Acq: 19 Mar 2019 12:46

Tgt Ion:	130	Resp:	331121
Ion	Ratio	Lower	Upper
130	100		
95	96.9	0.0	192.6





#45

1,2-Dichloropropane

Concen: 95.570 ug/l

RT: 9.37 min Scan# 1224

Delta R.T. 0.00 min

Lab File: VW009237.D

Acq: 19 Mar 2019 12:46

Tot Ion: 63 Resp: 314030

Ion Ratio Lower Upper

63 100

65 30.8 25.8 38.8

Instrument :

MSVOA_W

ClientSampleId :

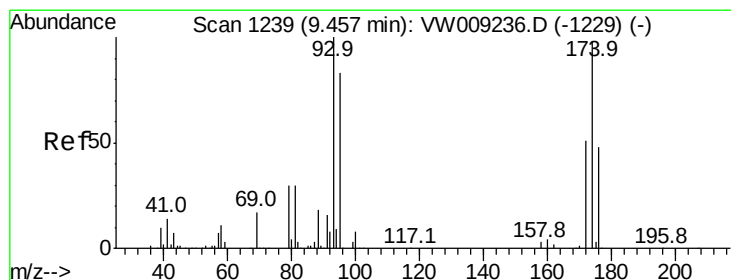
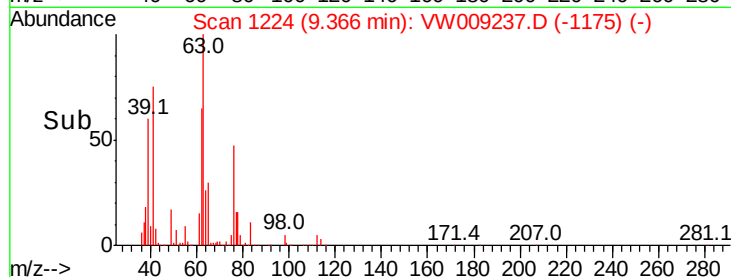
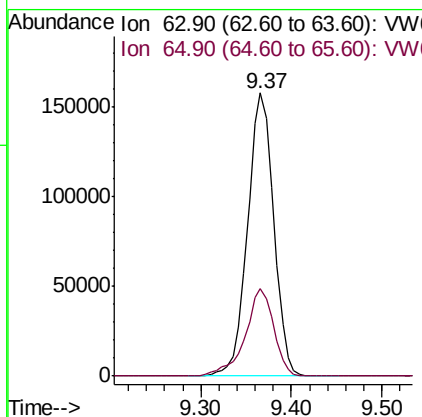
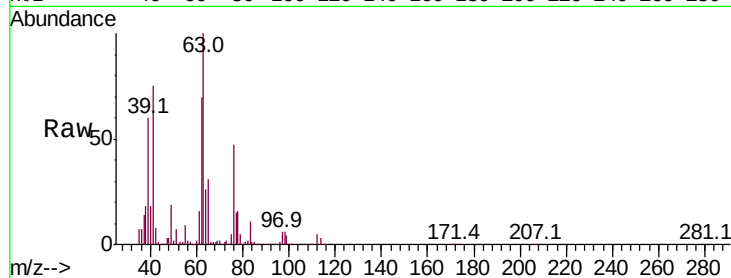
VSTDIC100

Manual Integrations

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MMDadoda

3/22/2019 3:53:02 AM



#46

Dibromomethane

Concen: 96.020 ug/l

RT: 9.46 min Scan# 1239

Delta R.T. 0.00 min

Lab File: VW009237.D

Acq: 19 Mar 2019 12:46

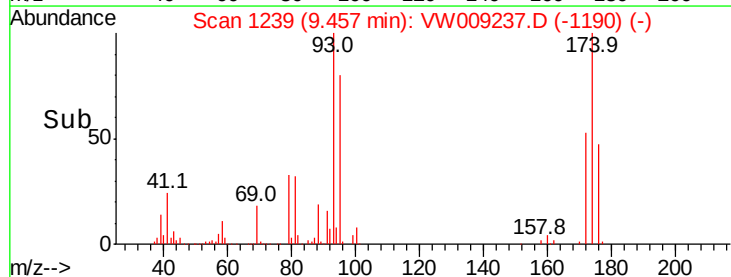
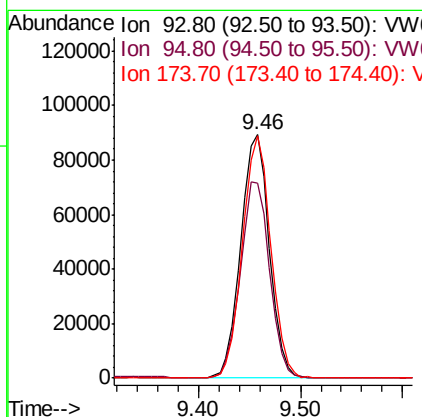
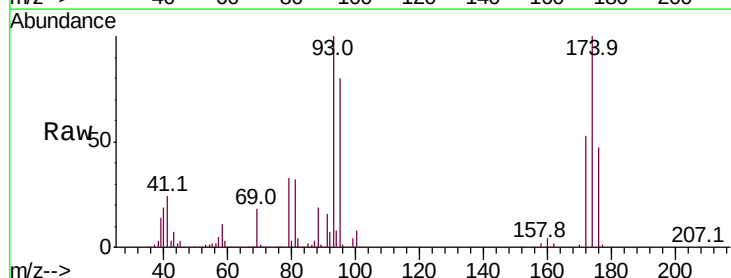
Tgt Ion: 93 Resp: 173498

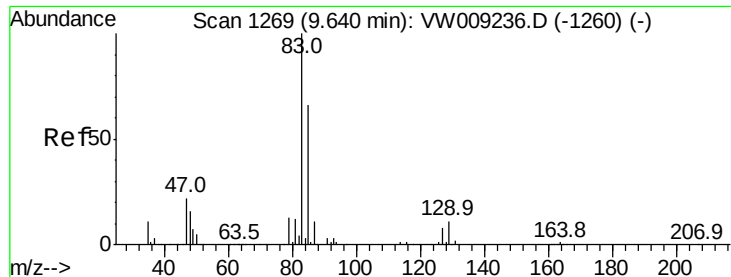
Ion Ratio Lower Upper

93 100

95 82.5 66.9 100.3

174 99.1 80.8 121.2





#47

Bromodichloromethane

Concen: 97.983 ug/l

RT: 9.64 min Scan# 1269

Delta R.T. 0.00 min

Lab File: VW009237.D

Acq: 19 Mar 2019 12:46

Instrument :

MSVOA_W

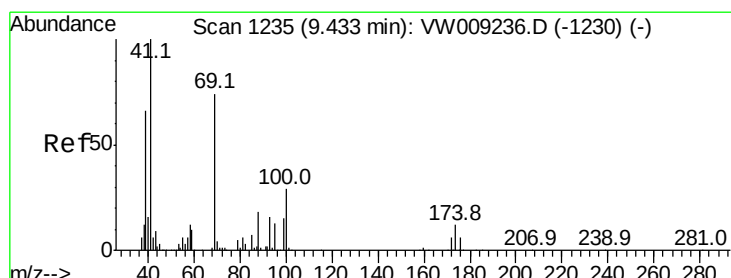
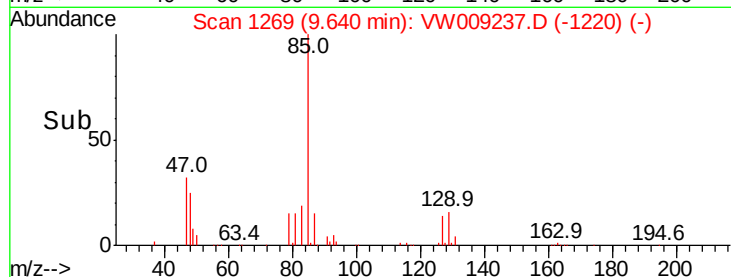
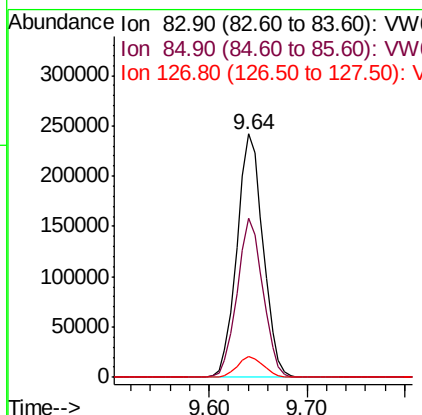
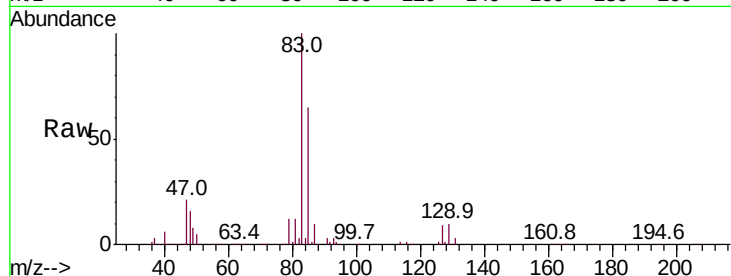
ClientSampleId :

VSTDIC100

Tot Ion:	83	Resp:	447392
Ion Ratio	Lower	Upper	
83	100		
85	65.3	52.6	79.0
127	8.8	6.5	9.7

Manual Integrations
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3/22/2019 3:53:02 AM



#48

Methyl methacrylate

Concen: 105.979 ug/l

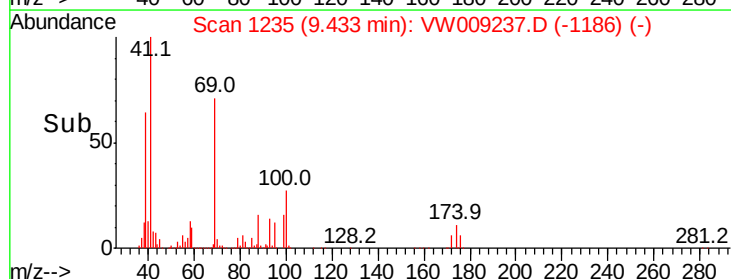
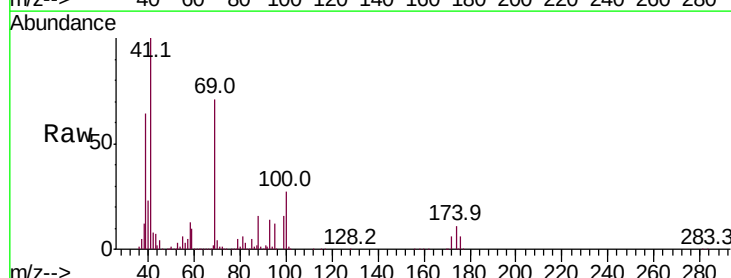
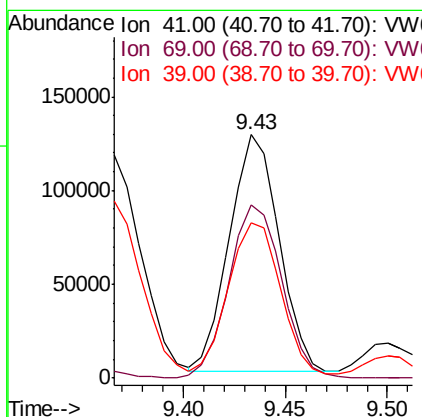
RT: 9.43 min Scan# 1235

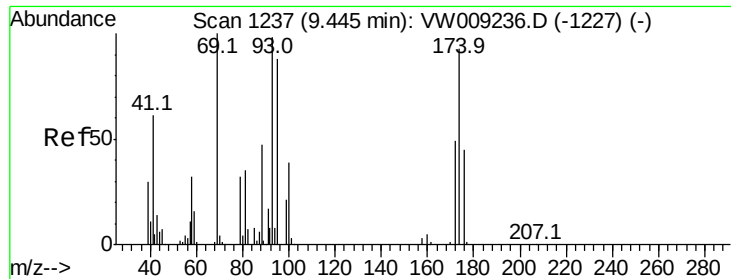
Delta R.T. 0.00 min

Lab File: VW009237.D

Acq: 19 Mar 2019 12:46

Tgt Ion:	41	Resp:	213699
Ion Ratio	Lower	Upper	
41	100		
69	78.3	63.0	94.6
39	67.1	57.2	85.8





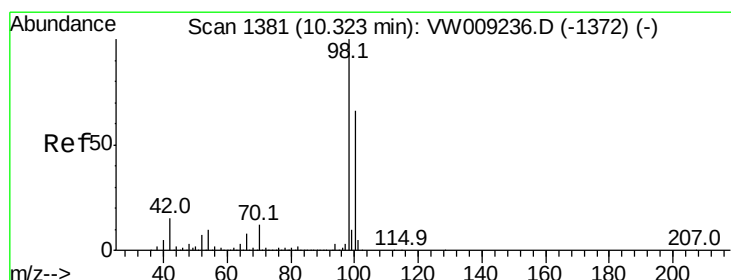
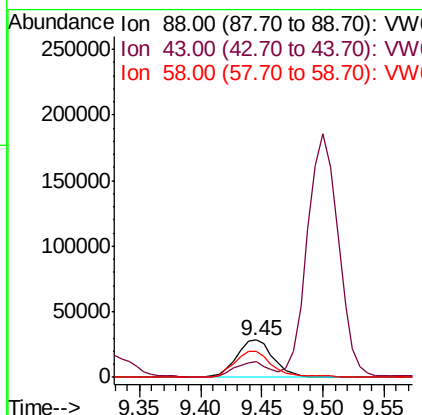
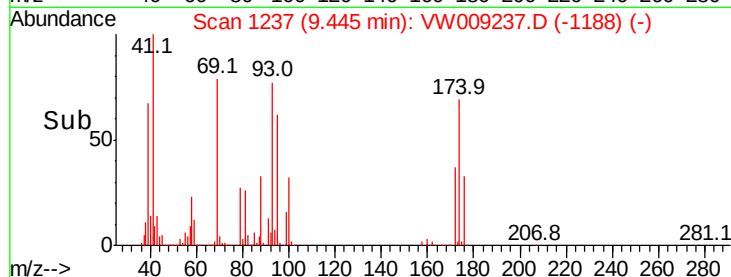
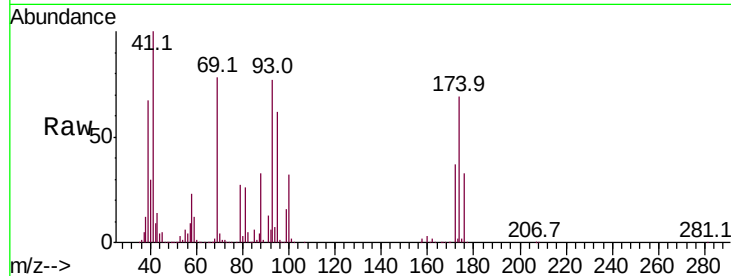
#49
1,4-Dioxane
Concen: 2130.620 ug/l
RT: 9.45 min Scan# 1237
Delta R.T. 0.00 min
Lab File: VW009237.D
Acq: 19 Mar 2019 12:46

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Lower	Upper
88	100		
43	37.8	29.7	44.5
58	69.6	58.1	87.1

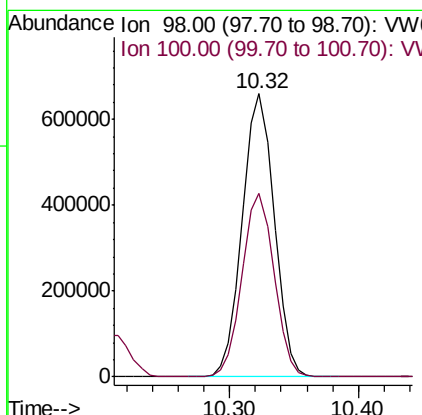
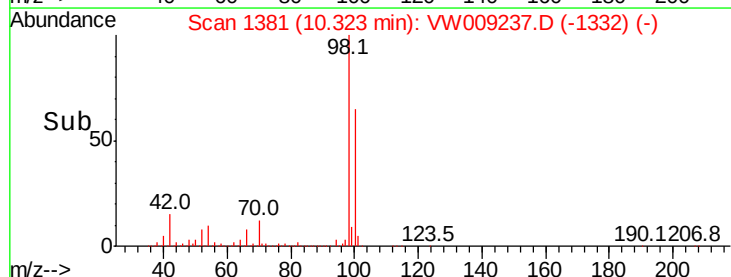
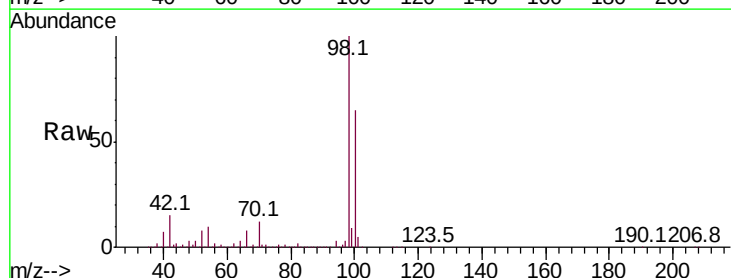
Manual Integrations
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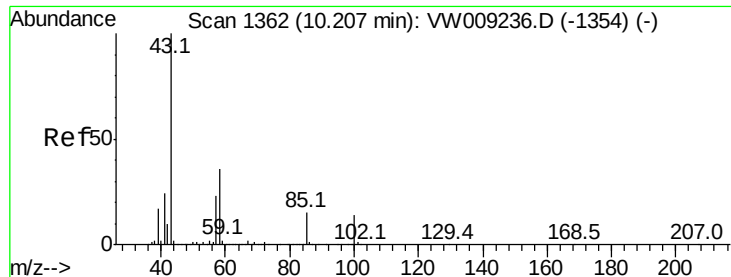
MMDadoda
3/22/2019 3:53:02 AM



#50
Toluene-d8
Concen: 102.639 ug/l
RT: 10.32 min Scan# 1381
Delta R.T. 0.00 min
Lab File: VW009237.D
Acq: 19 Mar 2019 12:46

Tgt Ion	Ratio	Lower	Upper
98	100		
100	64.8	52.6	79.0





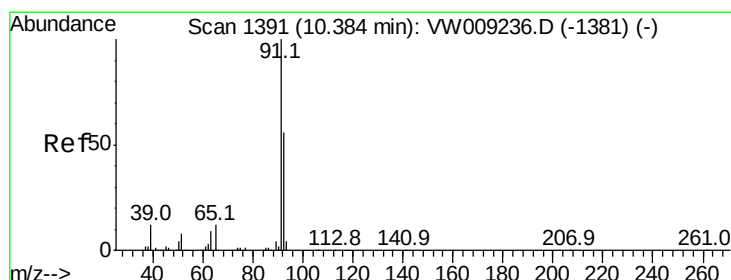
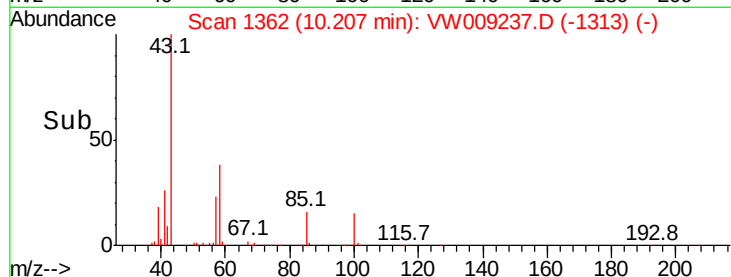
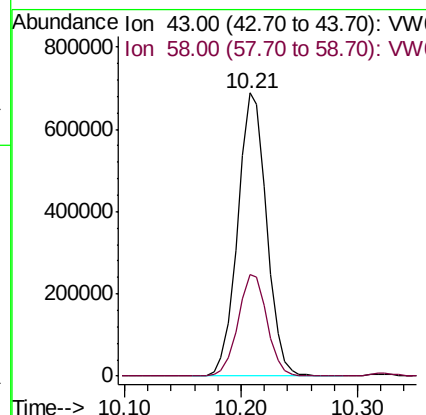
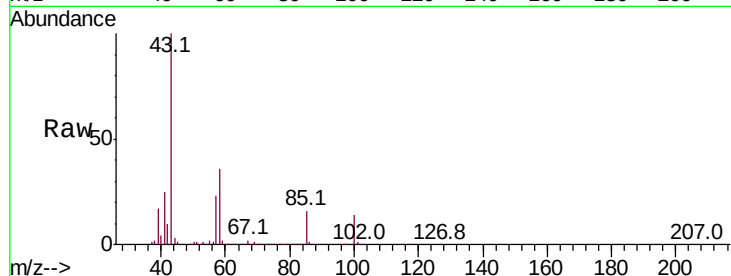
#51
4-Methyl-2-Pentanone
Concen: 523.527 ug/l
RT: 10.21 min Scan# 1362
Delta R.T. 0.00 min
Lab File: VW009237.D
Acq: 19 Mar 2019 12:46

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC100

Tot Ion: 43 Resp: 1188310
Ion Ratio Lower Upper
43 100
58 35.9 28.6 42.8

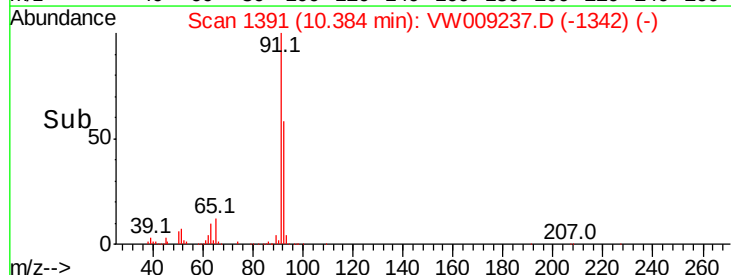
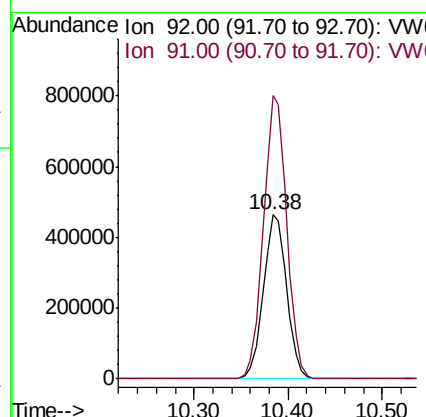
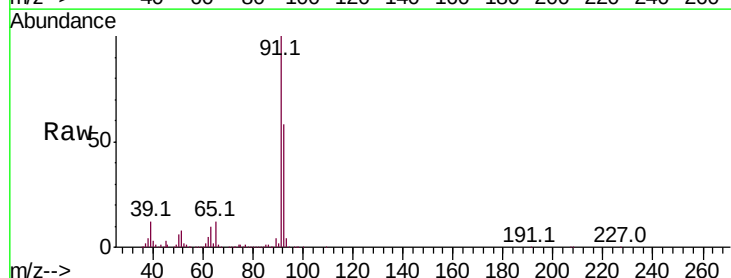
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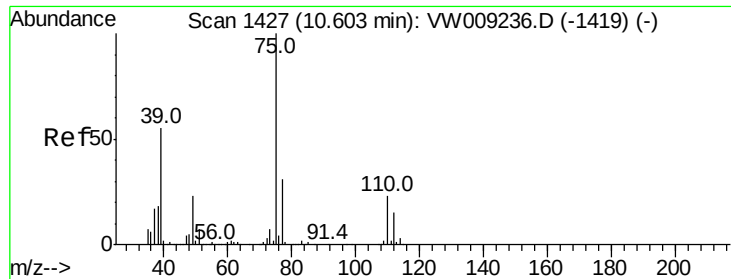
MMDadoda
3/22/2019 3:53:02 AM



#52
Toluene
Concen: 98.526 ug/l
RT: 10.38 min Scan# 1391
Delta R.T. 0.00 min
Lab File: VW009237.D
Acq: 19 Mar 2019 12:46

Tgt Ion: 92 Resp: 806945
Ion Ratio Lower Upper
92 100
91 172.6 140.1 210.1





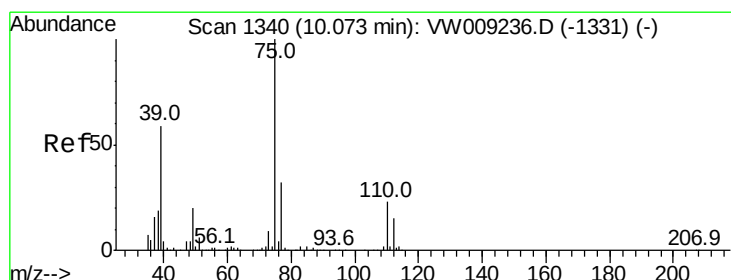
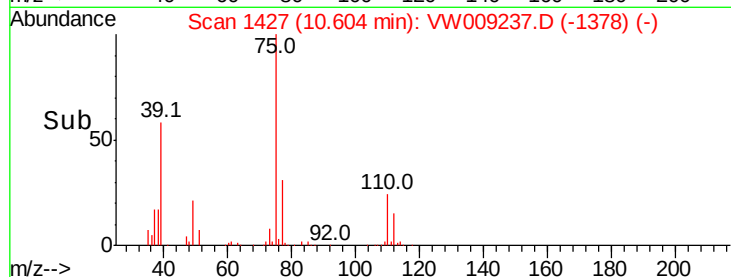
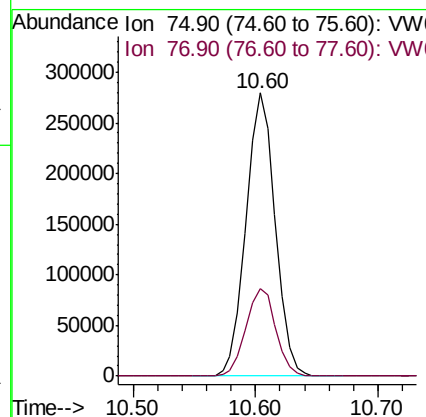
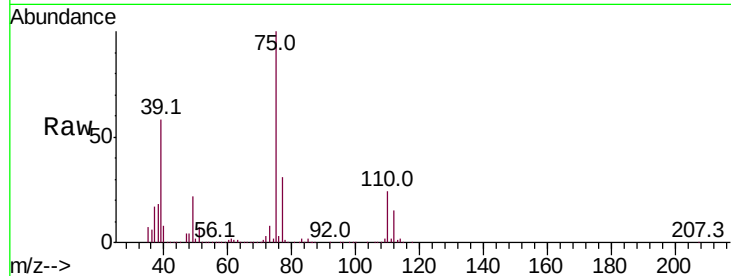
#53
t-1,3-Dichloropropene
Concen: 104.014 ug/l
RT: 10.60 min Scan# 1427
Delta R.T. 0.00 min
Lab File: VW009237.D
Acq: 19 Mar 2019 12:46

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC100

Tot Ion: 75 Resp: 463128
Ion Ratio Lower Upper
75 100
77 30.9 24.8 37.2

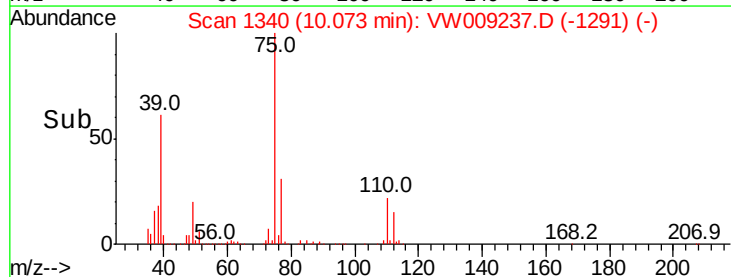
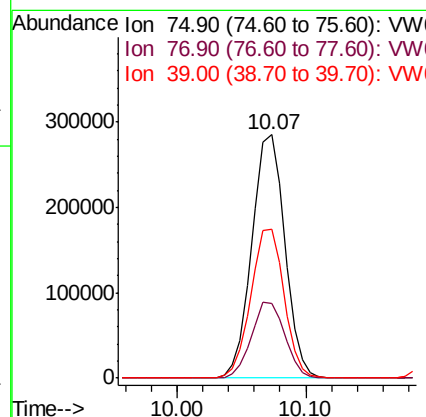
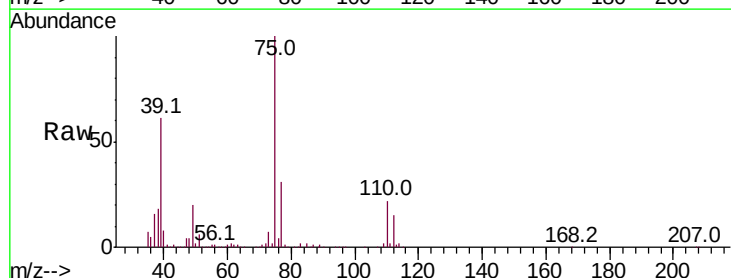
Manual Integrations
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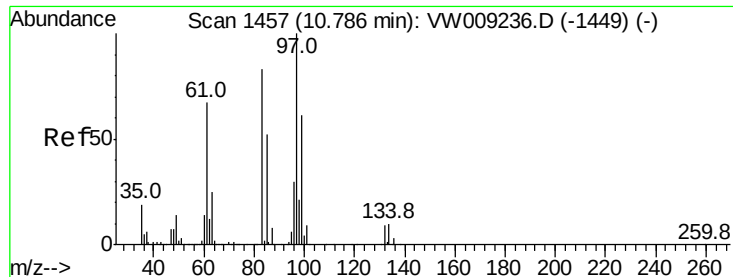
MMDadoda
3/22/2019 3:53:02 AM



#54
cis-1,3-Dichloropropene
Concen: 100.886 ug/l
RT: 10.07 min Scan# 1340
Delta R.T. 0.00 min
Lab File: VW009237.D
Acq: 19 Mar 2019 12:46

Tgt Ion: 75 Resp: 505360
Ion Ratio Lower Upper
75 100
77 30.6 25.9 38.9
39 61.2 46.8 70.2





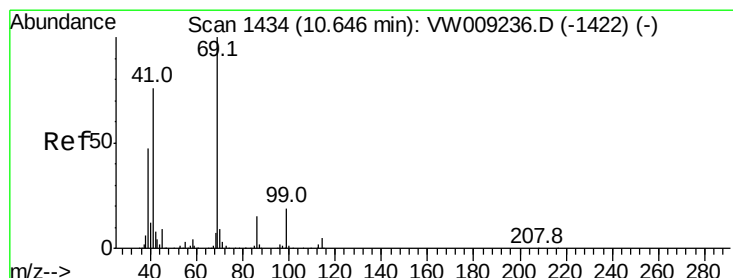
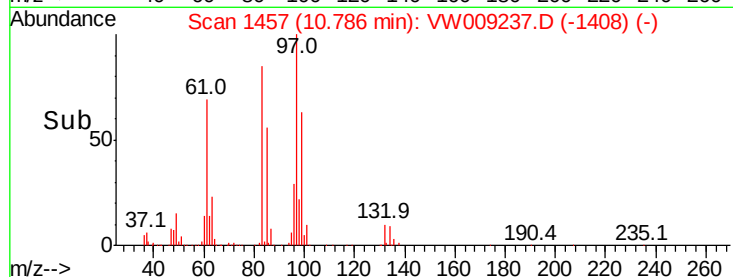
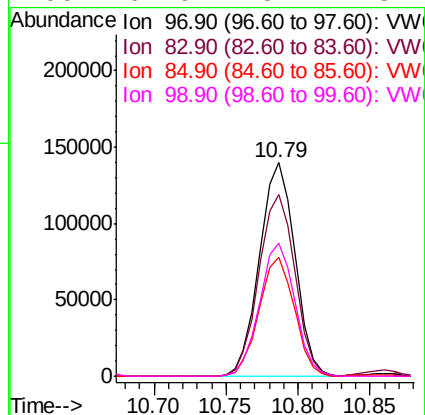
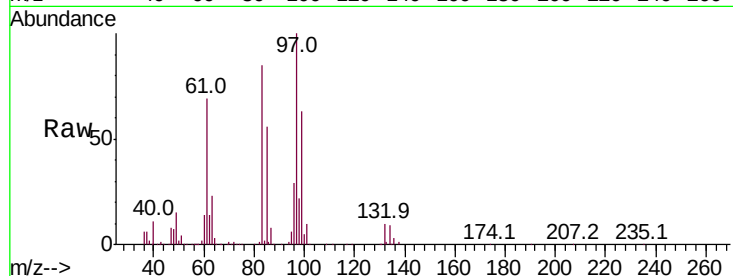
#55
 1,1,2-Trichloroethane
 Concen: 97.657 ug/l
 RT: 10.79 min Scan# 1457
 Delta R.T. 0.00 min
 Lab File: VW009237.D
 Acq: 19 Mar 2019 12:46

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDICC100

Tot Ion	Ratio	Resp	Lower	Upper
97	100	238937		
83	85.2	66.3	99.5	
85	55.5	41.4	62.2	
99	62.6	48.7	73.1	

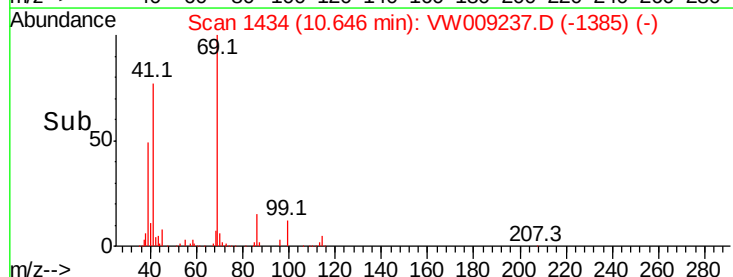
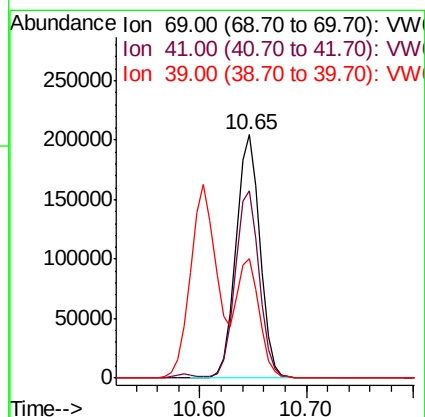
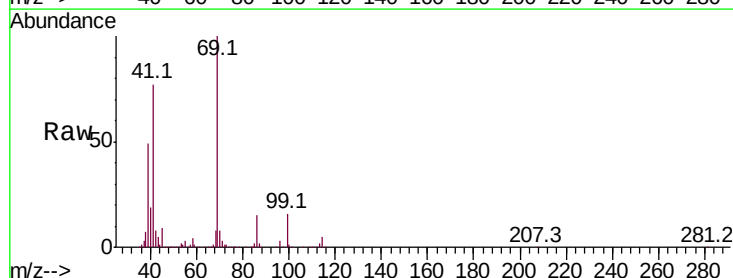
Manual Integrations
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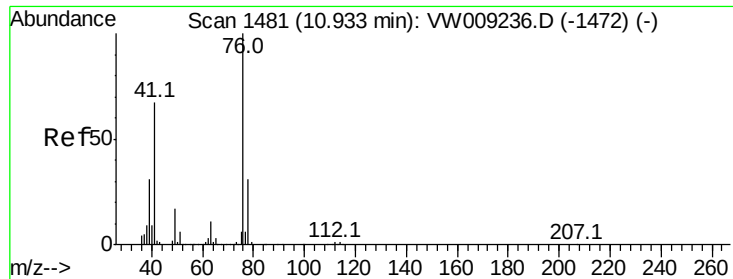
MMDadoda
 3/22/2019 3:53:02 AM



#56
 Ethyl methacrylate
 Concen: 110.822 ug/l
 RT: 10.65 min Scan# 1434
 Delta R.T. 0.00 min
 Lab File: VW009237.D
 Acq: 19 Mar 2019 12:46

Tgt Ion	Ratio	Resp	Lower	Upper
69	100	322868		
41	77.6	59.3	88.9	
39	45.9	36.2	54.2	





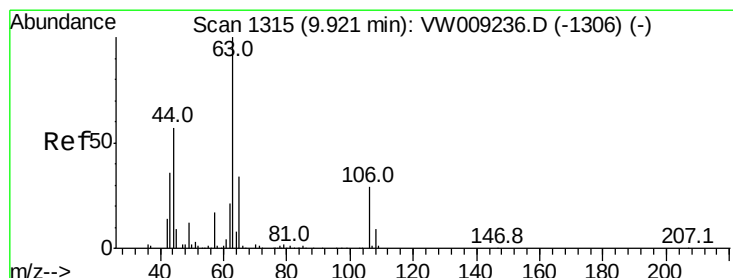
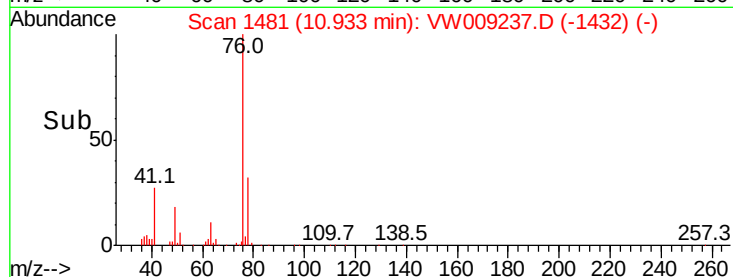
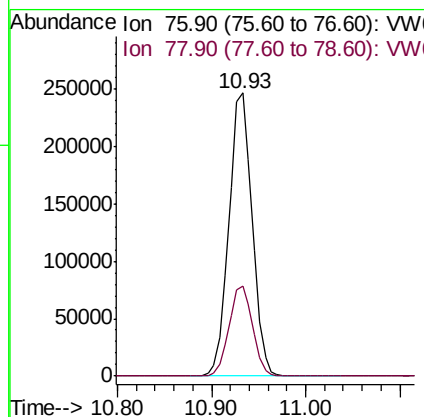
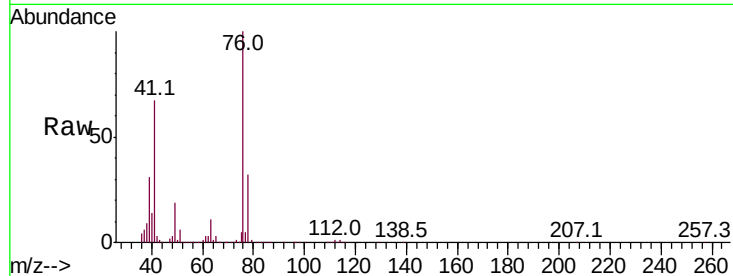
#57
 1,3-Dichloropropane
 Concen: 99.801 ug/l
 RT: 10.93 min Scan# 1481
 Delta R.T. 0.00 min
 Lab File: VW009237.D
 Acq: 19 Mar 2019 12:46

Instrument :
 MSVOA_W
 ClientSampled :
 VSTDIC100

Tot Ion: 76 Resp: 421155
 Ion Ratio Lower Upper
 76 100
 78 32.2 25.8 38.6

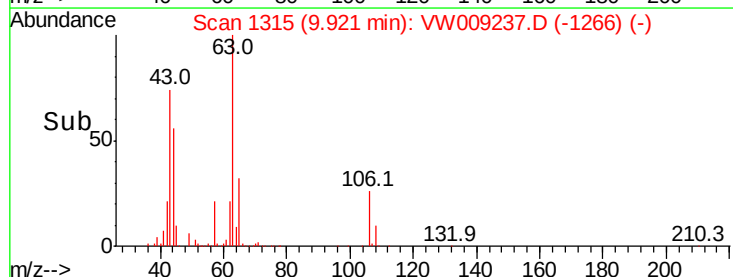
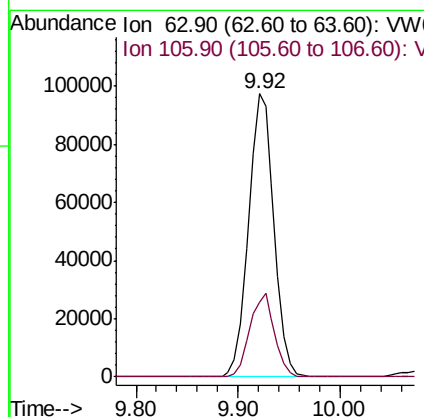
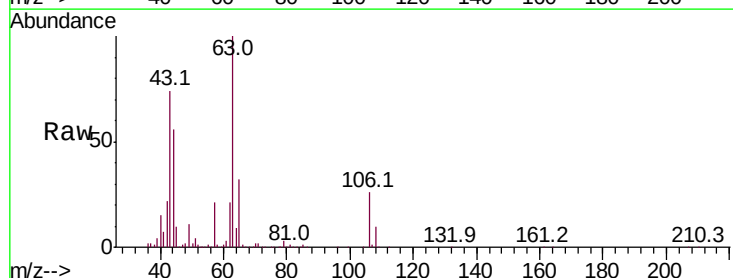
Manual Integrations
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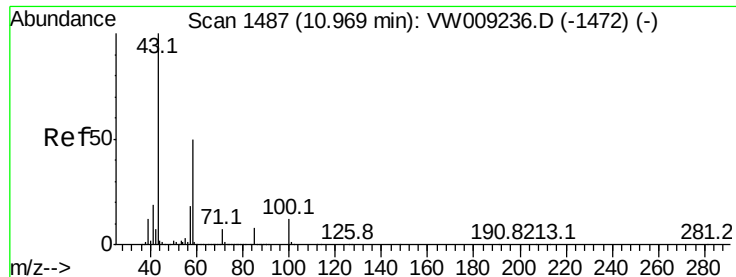
MMDadoda
 3/22/2019 3:53:02 AM



#58
 2-Chloroethyl Vinyl ether
 Concen: 197.527 ug/l
 RT: 9.92 min Scan# 1315
 Delta R.T. 0.00 min
 Lab File: VW009237.D
 Acq: 19 Mar 2019 12:46

Tgt Ion: 63 Resp: 168382
 Ion Ratio Lower Upper
 63 100
 106 28.6 22.9 34.3





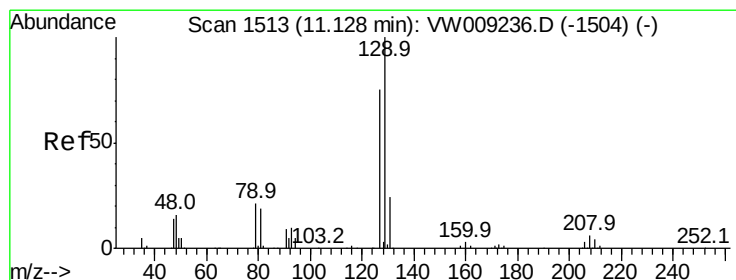
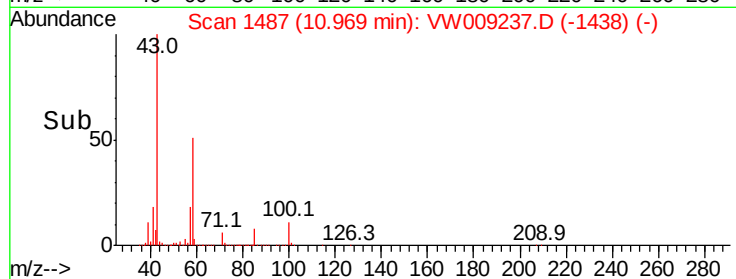
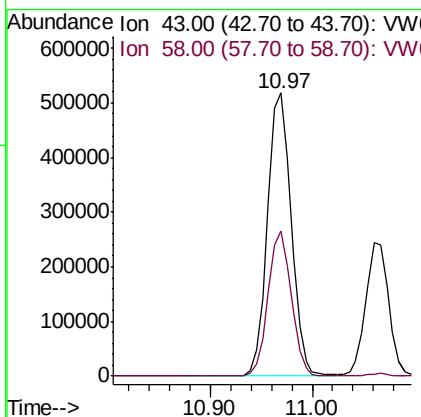
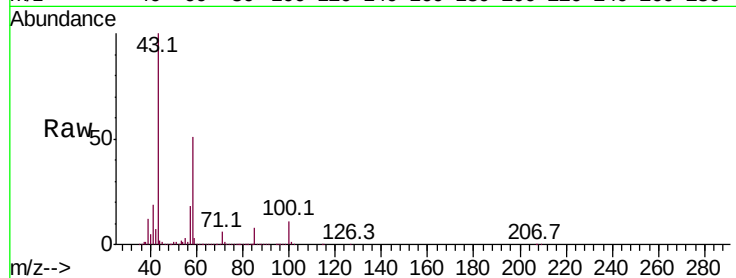
#59
2-Hexanone
Concen: 542.608 ug/l
RT: 10.97 min Scan# 1487
Delta R.T. 0.00 min
Lab File: VW009237.D
Acq: 19 Mar 2019 12:46

Instrument :
MSVOA_W
ClientSampleId :
VSTDICC100

Tot Ion	Ratio	Lower	Upper
43	100		
58	49.8	24.2	72.6

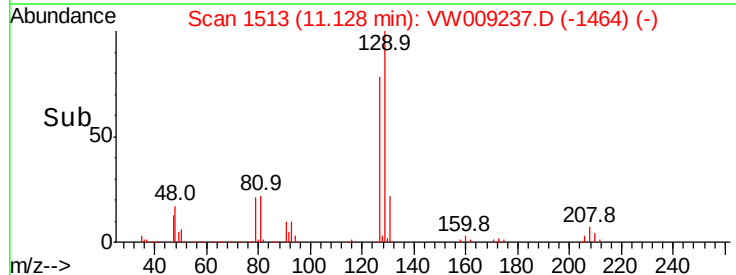
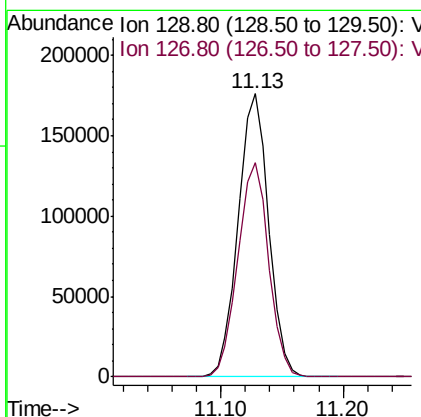
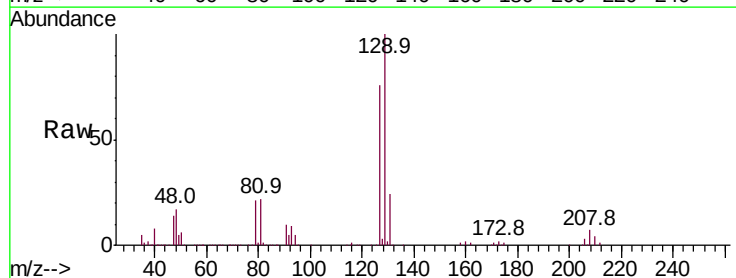
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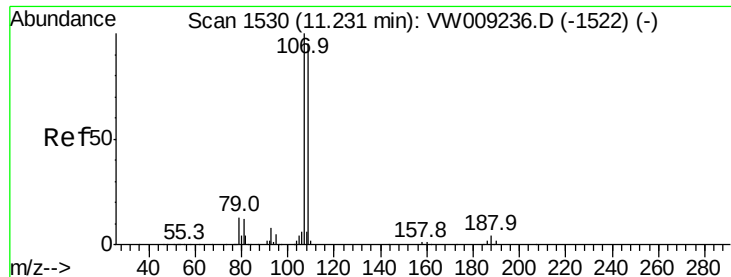
MMDadoda
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#60
Dibromochloromethane
Concen: 100.641 ug/l
RT: 11.13 min Scan# 1513
Delta R.T. 0.00 min
Lab File: VW009237.D
Acq: 19 Mar 2019 12:46

Tgt Ion	Ratio	Lower	Upper
129	100		
127	76.5	38.1	114.5





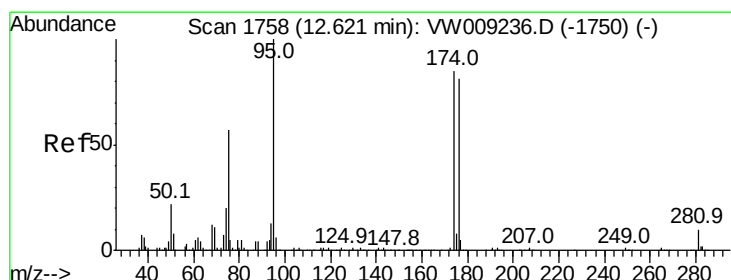
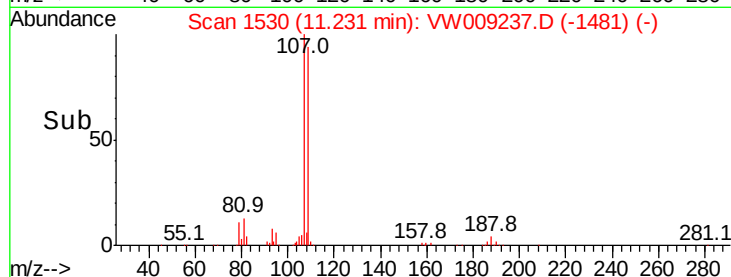
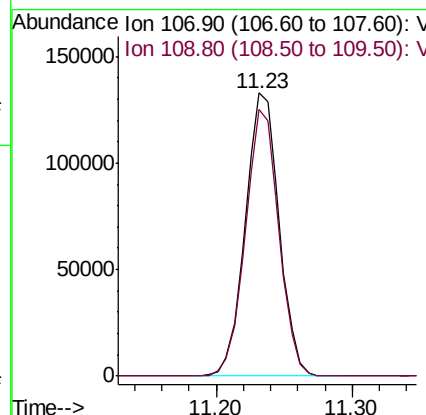
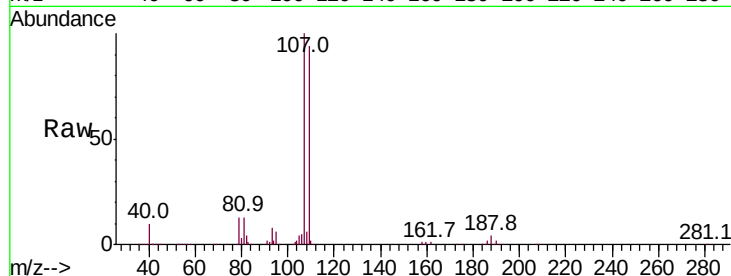
#61
 1,2-Dibromoethane
 Concen: 98.875 ug/l
 RT: 11.23 min Scan# 1530
 Delta R.T. 0.00 min
 Lab File: VW009237.D
 Acq: 19 Mar 2019 12:46

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC100

Tot Ion	Ratio	Resp	Lower	Upper
107	100	230408		
109	93.4	75.1	112.7	

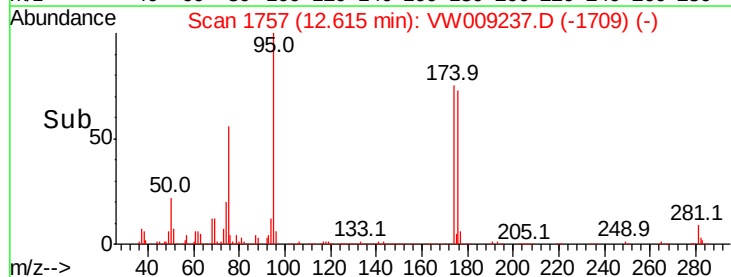
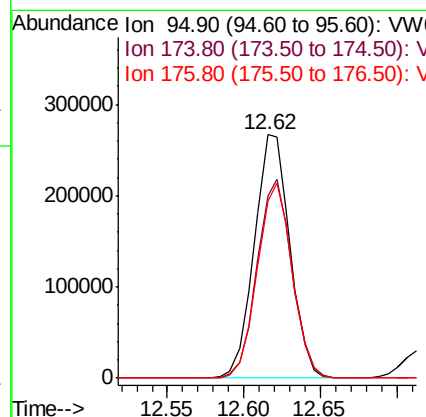
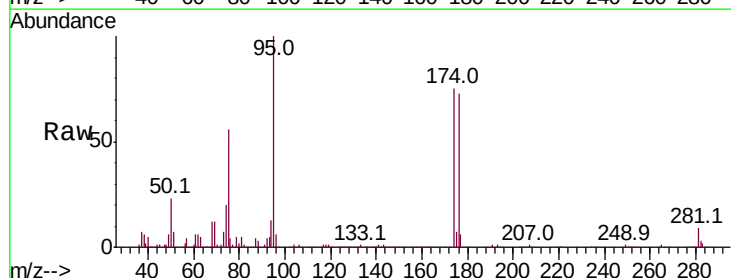
Manual Integrations
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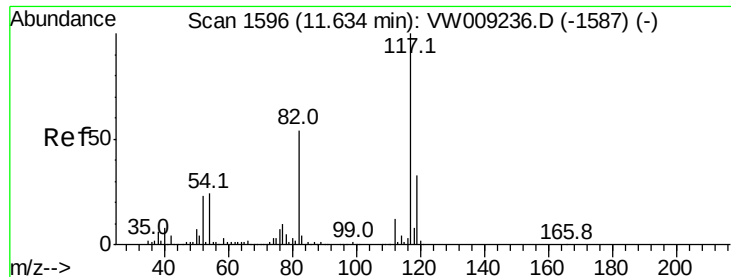
MMDadoda
 3/22/2019 3:53:02 AM



#62
 4-Bromofluorobenzene
 Concen: 106.499 ug/l
 RT: 12.62 min Scan# 1757
 Delta R.T. -0.01 min
 Lab File: VW009237.D
 Acq: 19 Mar 2019 12:46

Tgt Ion	Ratio	Resp	Lower	Upper
95	100	431783		
174	80.1	0.0	168.4	
176	78.3	0.0	161.6	





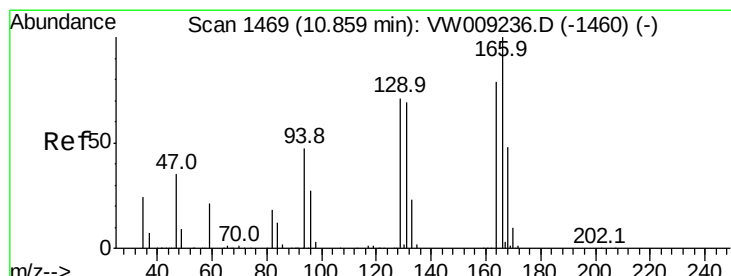
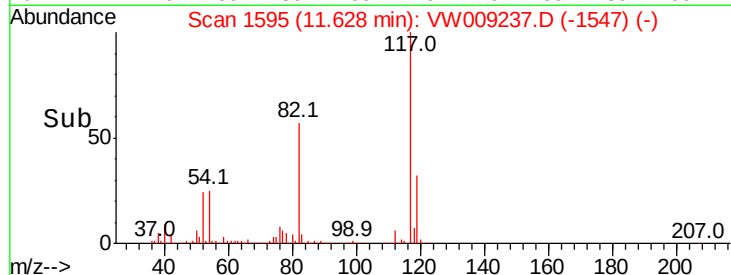
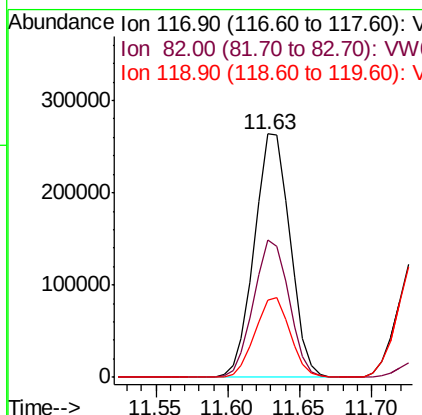
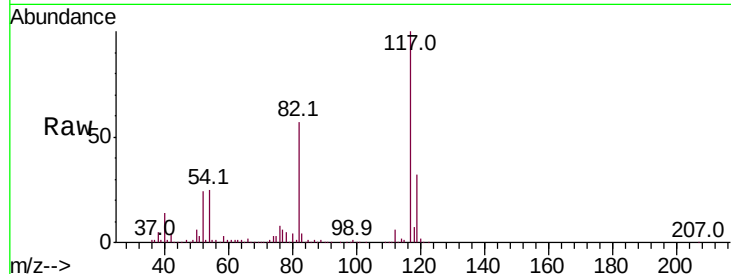
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1595
Delta R.T. -0.01 min
Lab File: VW009237.D
Acq: 19 Mar 2019 12:46

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Resp	Lower	Upper
117	100	452190		
82	56.6	43.6	65.4	
119	31.9	26.0	39.0	

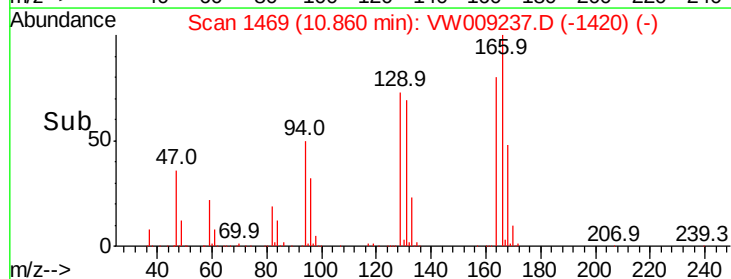
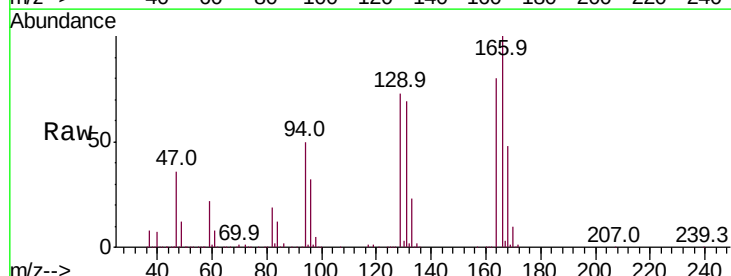
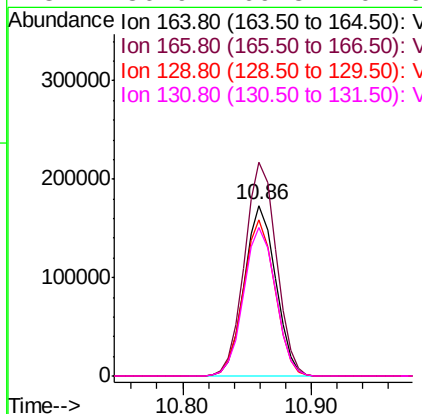
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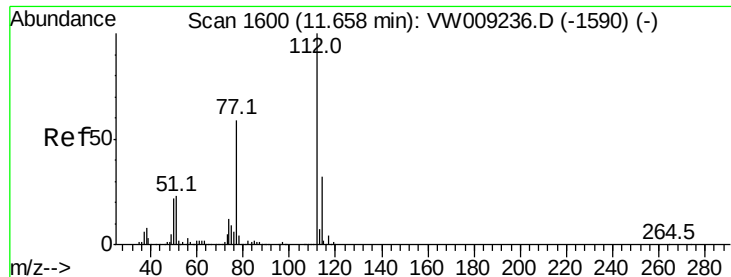
MMDadoda
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#64
Tetrachloroethene
Concen: 93.687 ug/l
RT: 10.86 min Scan# 1469
Delta R.T. 0.00 min
Lab File: VW009237.D
Acq: 19 Mar 2019 12:46

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	290129		
166	125.2	100.9	151.3	
129	91.4	72.0	108.0	
131	86.9	69.8	104.6	





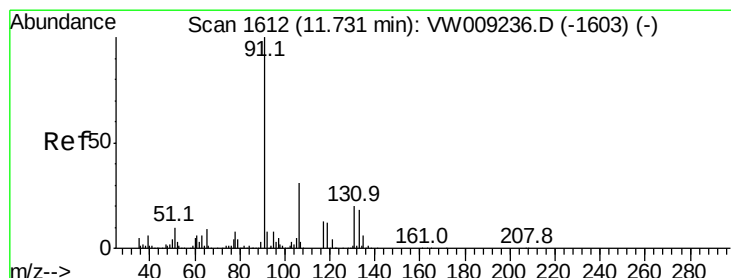
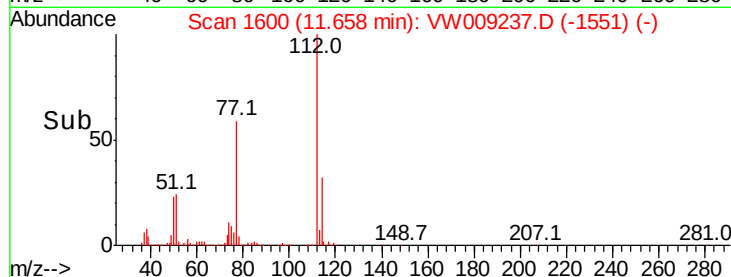
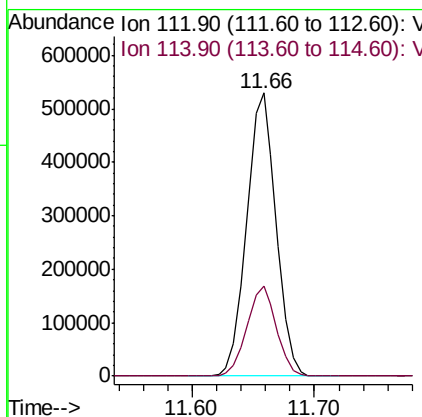
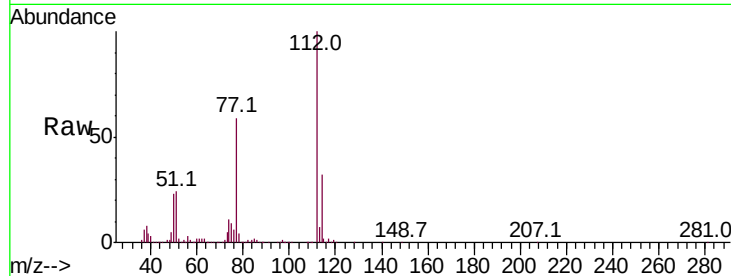
#65
Chlorobenzene
Concen: 94.156 ug/l
RT: 11.66 min Scan# 1600
Delta R.T. 0.00 min
Lab File: VW009237.D
Acq: 19 Mar 2019 12:46

Instrument :
MSVOA_W
ClientSampleId :
VSTDICC100

Tot Ion:112 Resp: 880526
Ion Ratio Lower Upper
112 100
114 31.7 25.6 38.4

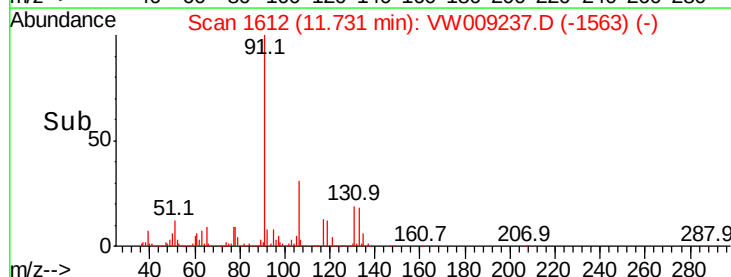
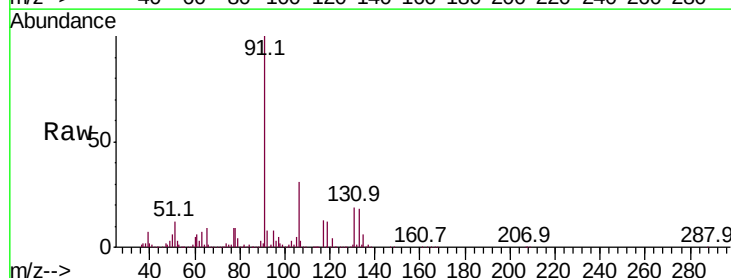
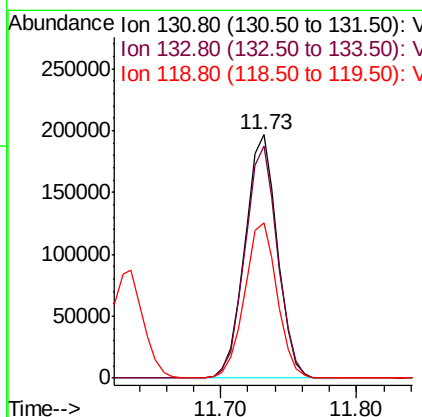
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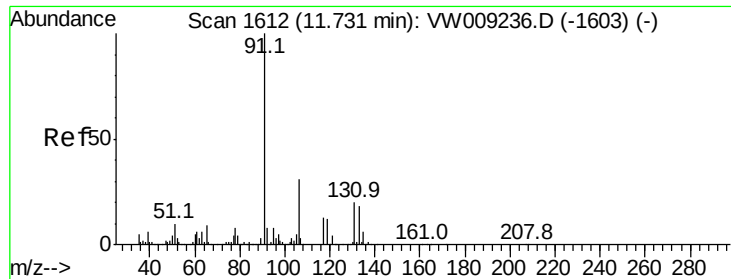
MMDadoda
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#66
1,1,1,2-Tetrachloroethane
Concen: 94.127 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. 0.00 min
Lab File: VW009237.D
Acq: 19 Mar 2019 12:46

Tgt Ion:131 Resp: 328797
Ion Ratio Lower Upper
131 100
133 96.0 47.3 141.8
119 64.0 31.6 95.0





#67

Ethyl Benzene

Concen: 99.280 ug/l

RT: 11.73 min Scan# 1612

Delta R.T. 0.00 min

Lab File: VW009237.D

Acq: 19 Mar 2019 12:46

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC100

Tot Ion: 91 Resp: 1608126

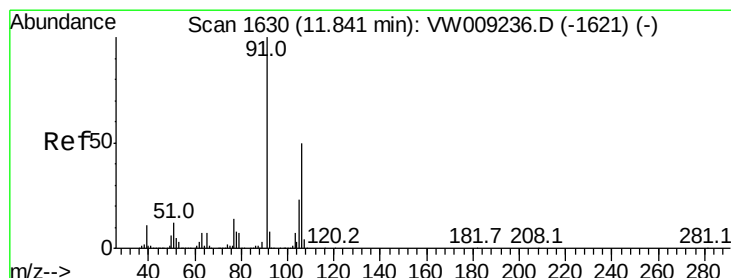
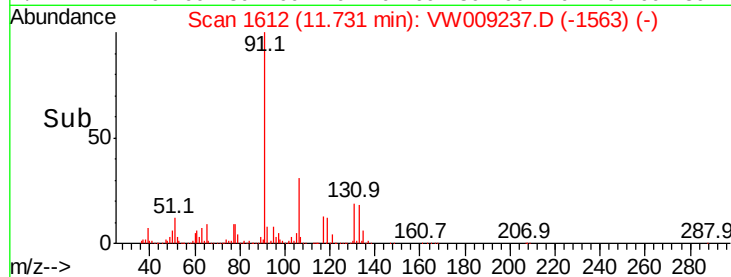
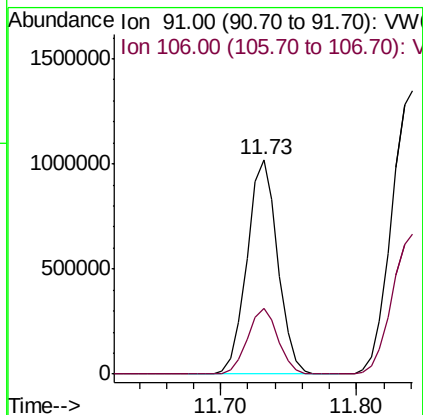
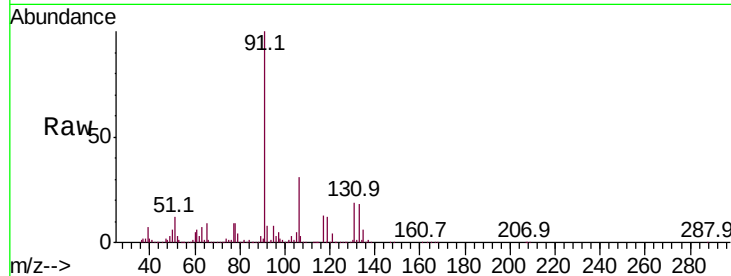
Ion Ratio Lower Upper

91 100

106 30.6 24.6 36.8

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#68

m/p-Xylenes

Concen: 196.494 ug/l

RT: 11.84 min Scan# 1630

Delta R.T. 0.00 min

Lab File: VW009237.D

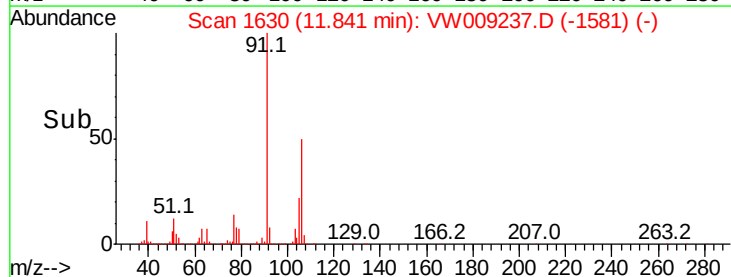
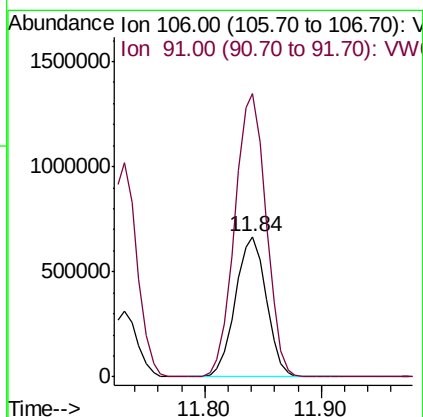
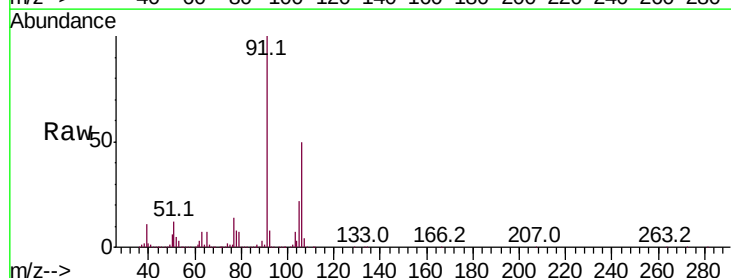
Acq: 19 Mar 2019 12:46

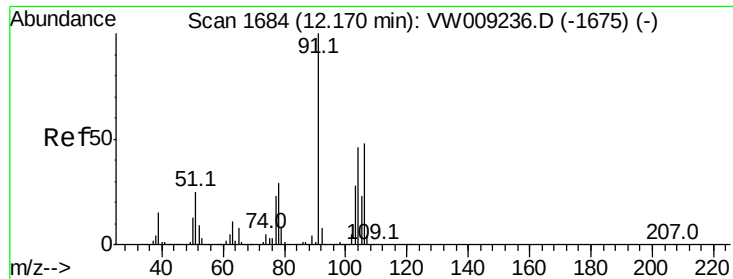
Tgt Ion: 106 Resp: 1233660

Ion Ratio Lower Upper

106 100

91 204.7 163.1 244.7





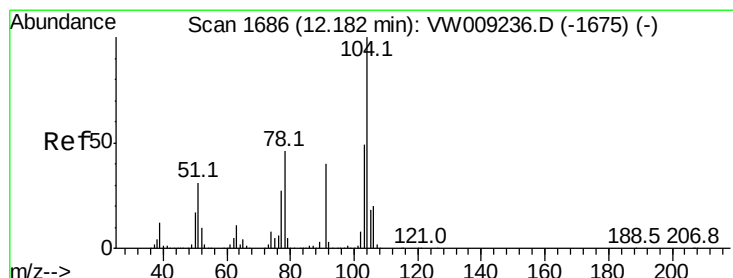
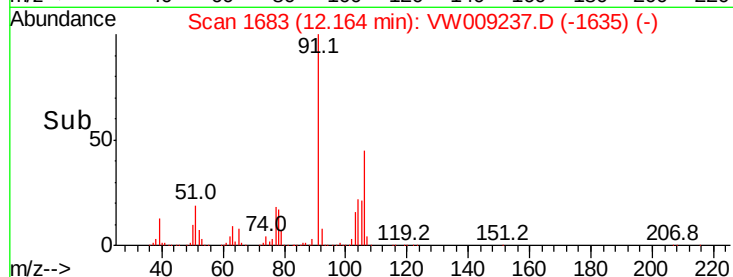
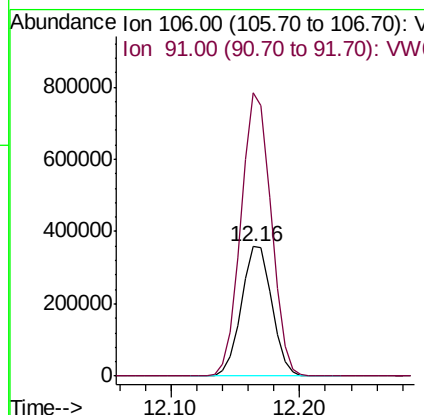
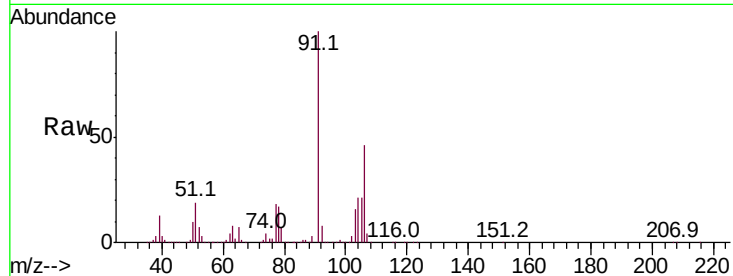
#69
o-Xylene
Concen: 100.855 ug/l
RT: 12.16 min Scan# 1683
Delta R.T. -0.01 min
Lab File: VW009237.D
Acq: 19 Mar 2019 12:46

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC100

Tot Ion:106 Resp: 588000
Ion Ratio Lower Upper
106 100
91 215.7 108.6 325.8

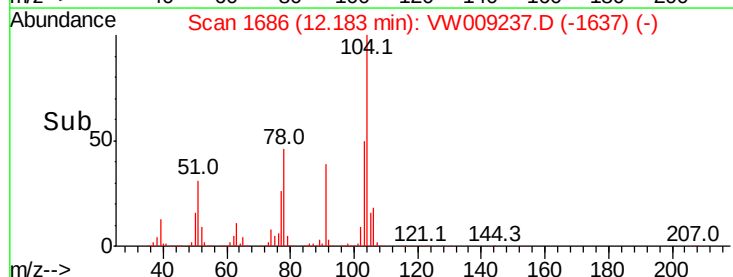
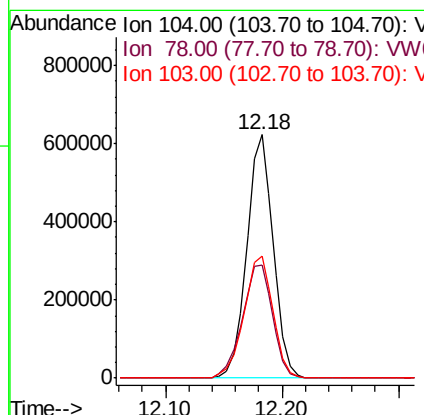
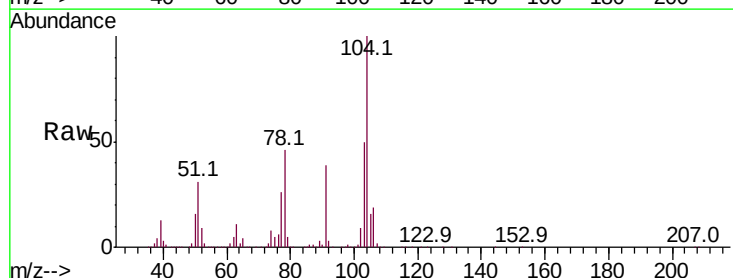
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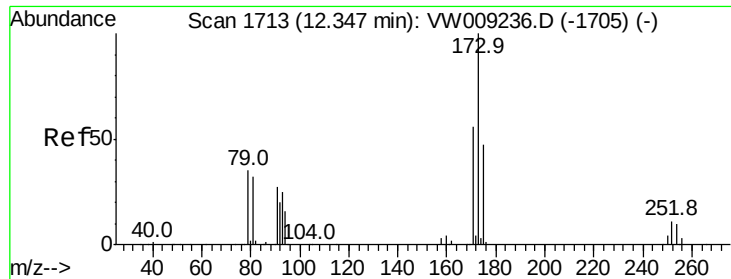
MMDadoda
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#70
Styrene
Concen: 102.419 ug/l
RT: 12.18 min Scan# 1686
Delta R.T. 0.00 min
Lab File: VW009237.D
Acq: 19 Mar 2019 12:46

Tgt Ion:104 Resp: 984522
Ion Ratio Lower Upper
104 100
78 53.0 42.2 63.4
103 55.1 44.6 66.8





#71

Bromoform

Concen: 99.211 ug/l

RT: 12.35 min Scan# 1713

Delta R.T. 0.00 min

Lab File: VW009237.D

Acq: 19 Mar 2019 12:46

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC100

Tot Ion:173 Resp: 189292

Ion Ratio Lower Upper

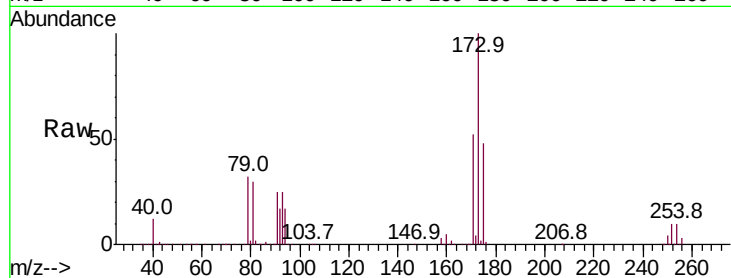
173 100

175 48.3 24.1 72.4

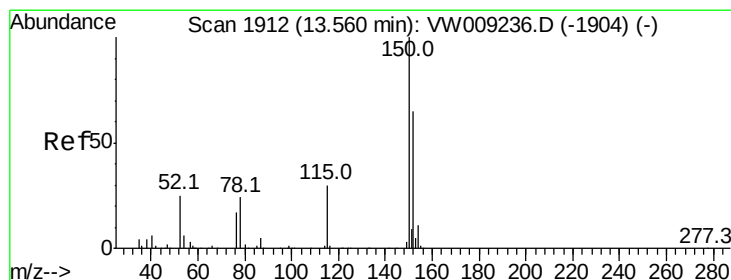
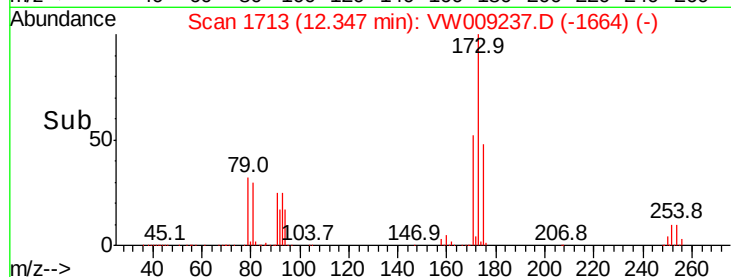
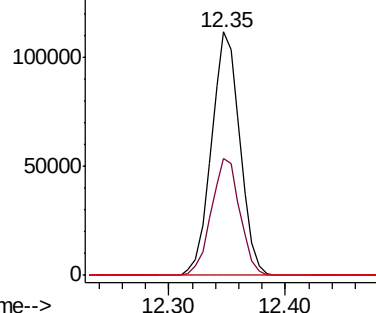
254 0.1 0.2 0.4#

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Abundance Ion 172.70 (172.40 to 173.40): V
150000 Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.56 min Scan# 1912

Delta R.T. 0.00 min

Lab File: VW009237.D

Acq: 19 Mar 2019 12:46

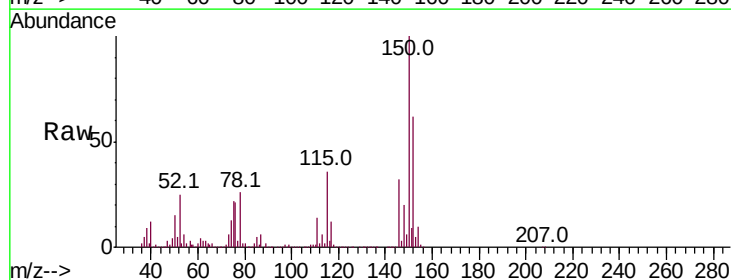
Tgt Ion:152 Resp: 244087

Ion Ratio Lower Upper

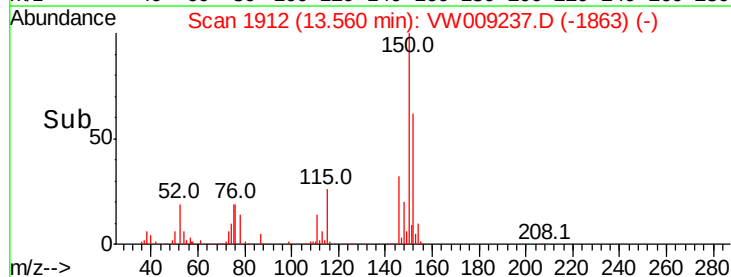
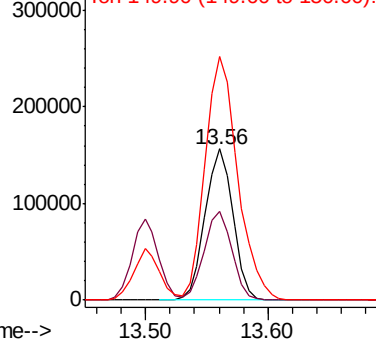
152 100

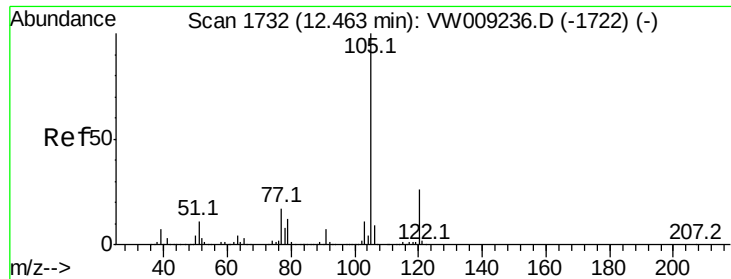
115 58.7 29.6 88.8

150 189.1 0.0 349.2



Abundance Ion 151.90 (151.60 to 152.60): V
300000 Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 102.016 ug/l

RT: 12.46 min Scan# 1732

Delta R.T. 0.00 min

Lab File: VW009237.D

Acq: 19 Mar 2019 12:46

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC100

Tot Ion:105 Resp: 1664339

Ion Ratio Lower Upper

105 100

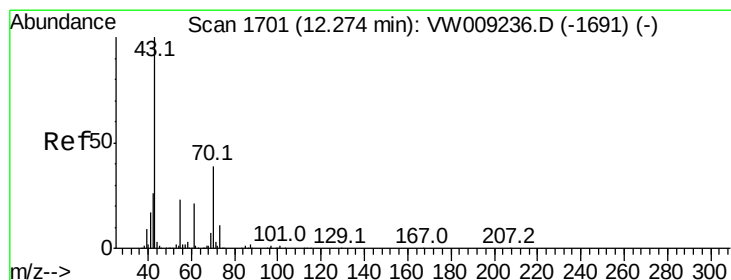
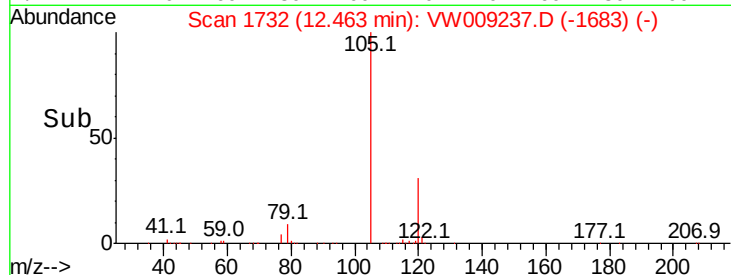
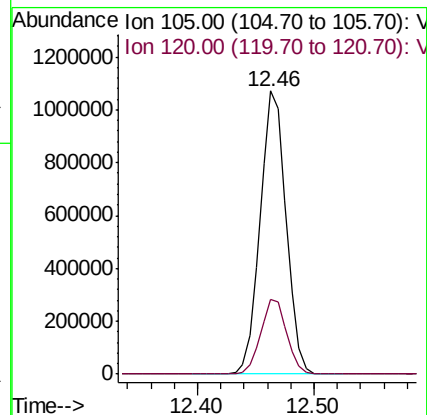
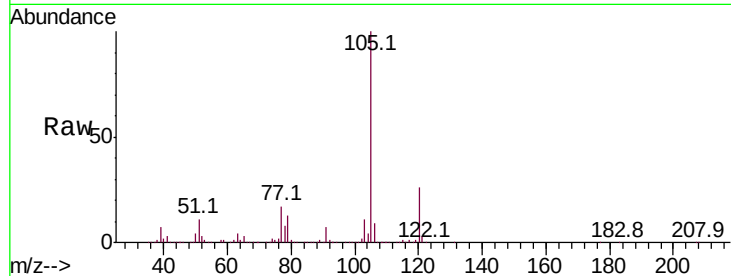
120 26.4 13.0 39.0

Manual Integrations

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#74

N-ethyl acetate

Concen: 109.200 ug/l

RT: 12.27 min Scan# 1701

Delta R.T. 0.00 min

Lab File: VW009237.D

Acq: 19 Mar 2019 12:46

Tgt Ion: 43 Resp: 464715

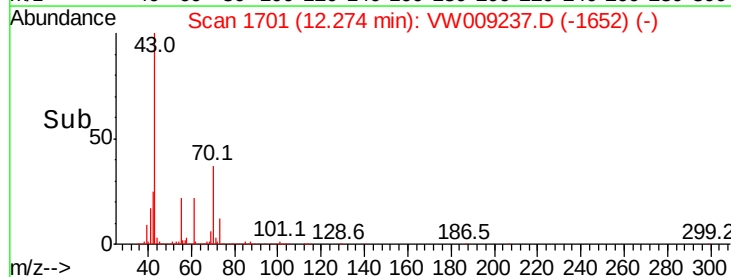
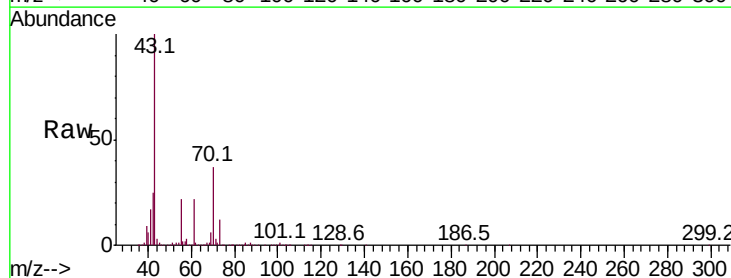
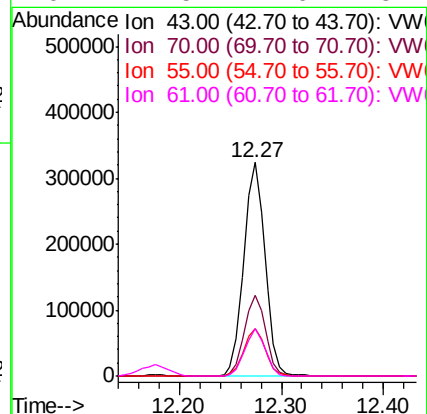
Ion Ratio Lower Upper

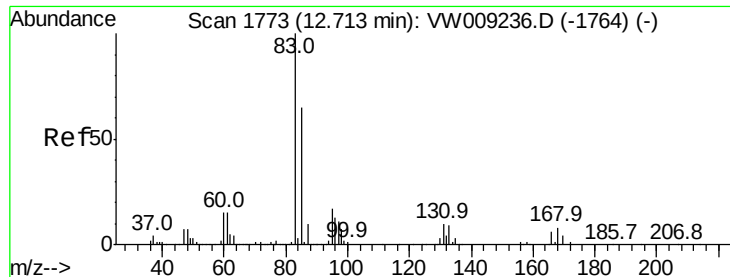
43 100

70 37.7 30.6 46.0

55 22.6 19.3 28.9

61 21.5 17.0 25.4





#75

1,1,2,2-Tetrachloroethane

Concen: 98.167 ug/l

RT: 12.71 min Scan# 1773

Delta R.T. 0.00 min

Lab File: VW009237.D

Acq: 19 Mar 2019 12:46

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC100

Tot Ion: 83 Resp: 299585
Ion Ratio Lower Upper

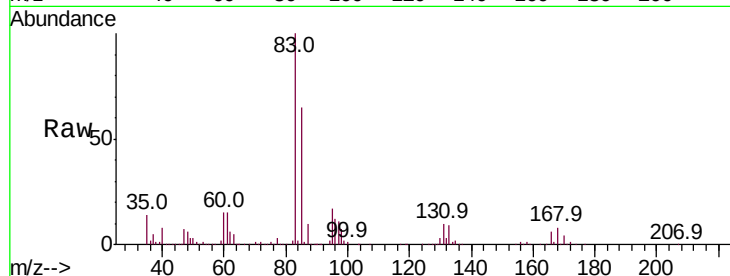
83 100

131 10.6 5.3 16.1

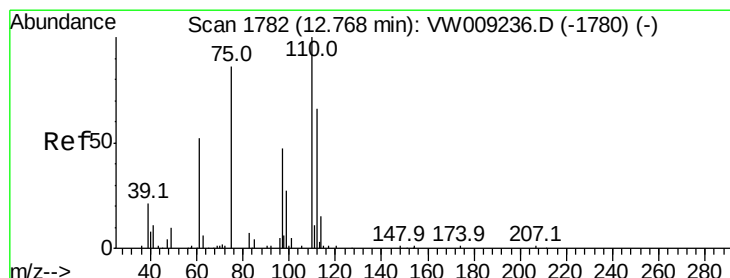
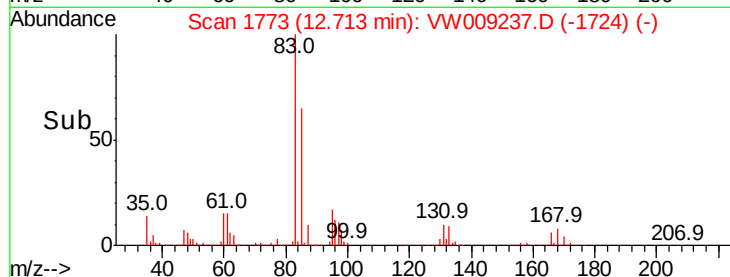
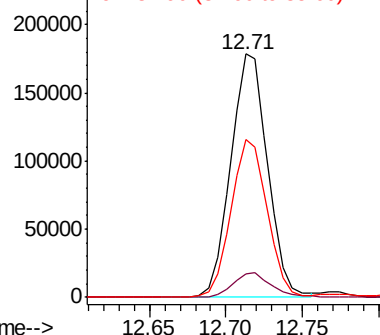
85 63.7 32.6 97.8

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Abundance Ion 82.90 (82.60 to 83.60): VW
Ion 130.80 (130.50 to 131.50): V
Ion 84.90 (84.60 to 85.60): VW



#76

1,2,3-Trichloropropane

Concen: 85.724 ug/l m

RT: 12.77 min Scan# 1782

Delta R.T. 0.00 min

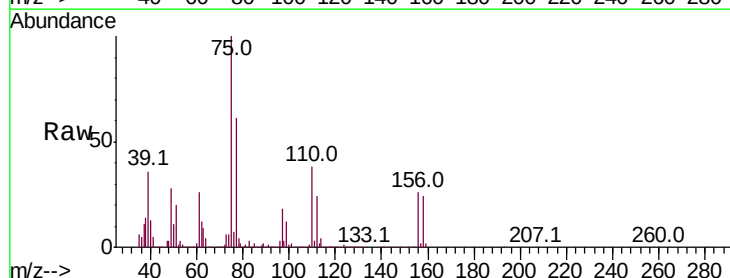
Lab File: VW009237.D

Acq: 19 Mar 2019 12:46

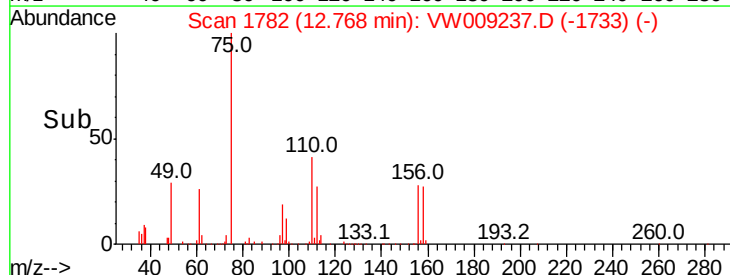
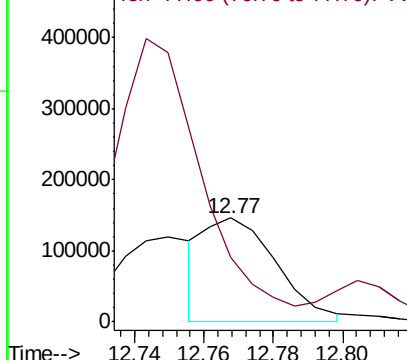
Tgt Ion: 75 Resp: 211560
Ion Ratio Lower Upper

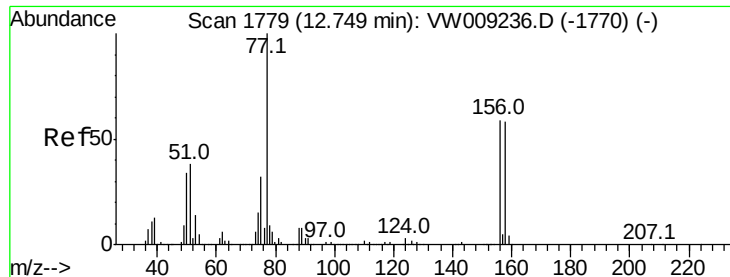
75 100

77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VW
Ion 77.00 (76.70 to 77.70): VW





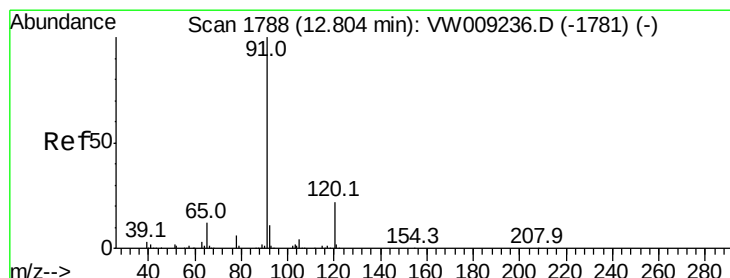
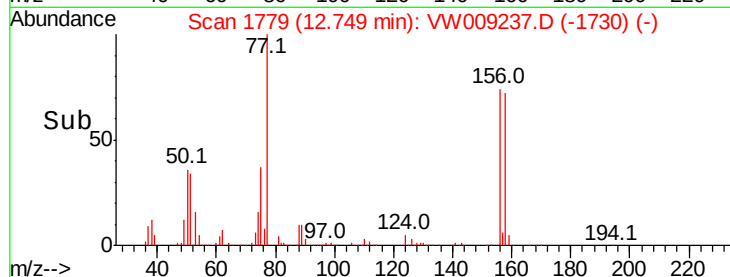
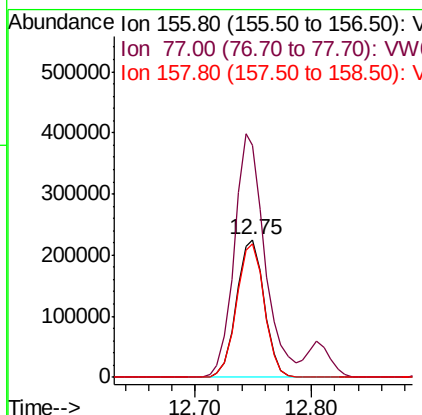
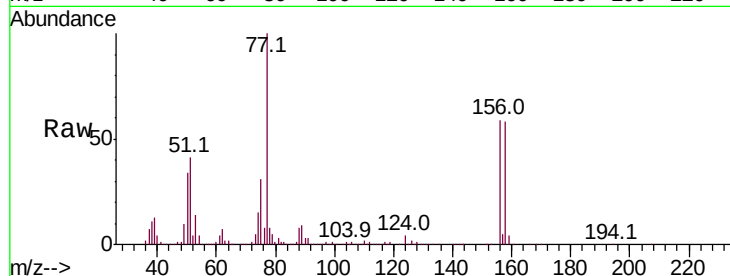
#77
Bromobenzene
Concen: 96.491 ug/l
RT: 12.75 min Scan# 1779
Delta R.T. 0.00 min
Lab File: VW009237.D
Acq: 19 Mar 2019 12:46

Instrument :
MSVOA_W
ClientSampled :
VSTDIC100

Tot Ion	Ratio	Lower	Upper
156	100		
77	193.3	96.0	288.0
158	97.2	49.1	147.3

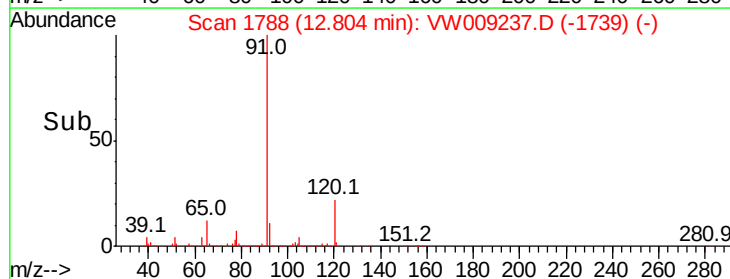
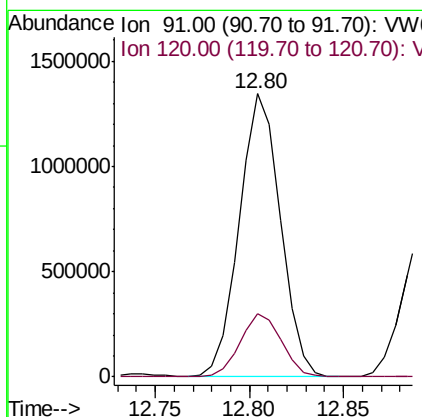
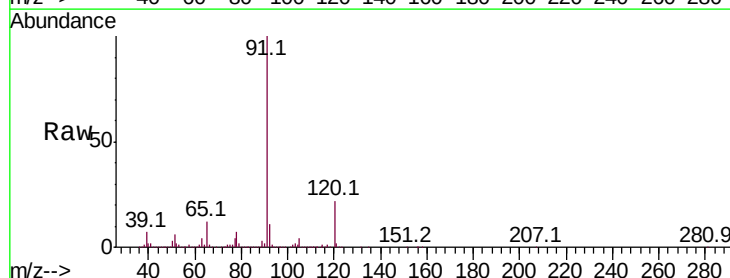
Manual Integrations
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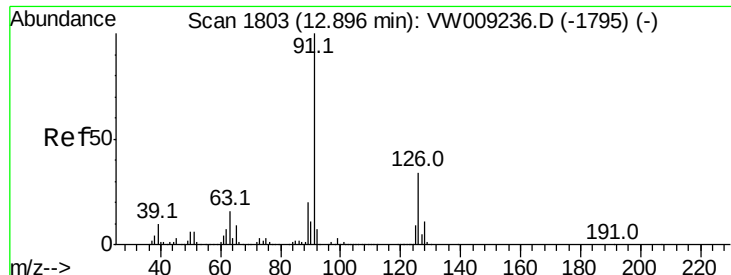
MMDadoda
3/22/2019 3:53:02 AM



#78
n-propylbenzene
Concen: 101.523 ug/l
RT: 12.80 min Scan# 1788
Delta R.T. 0.00 min
Lab File: VW009237.D
Acq: 19 Mar 2019 12:46

Tgt Ion	Ratio	Lower	Upper
91	100		
120	22.4	11.1	33.3





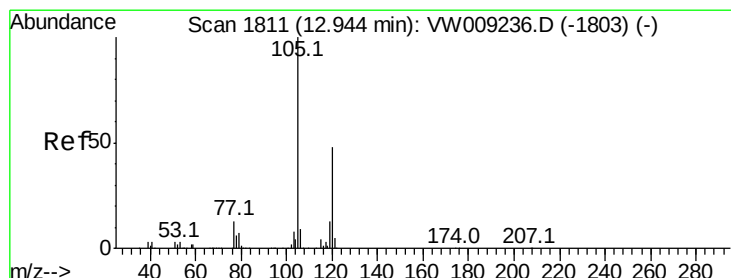
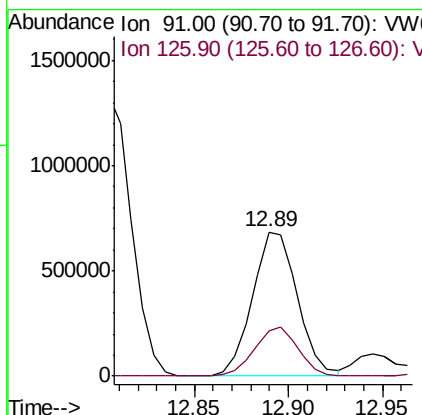
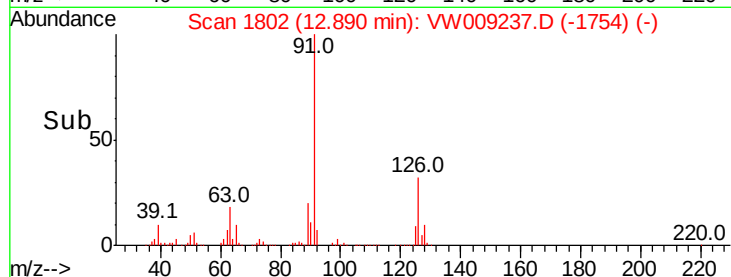
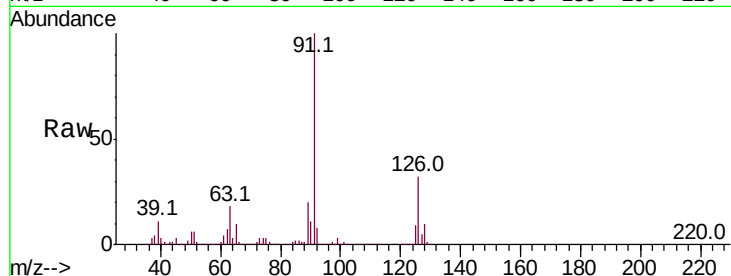
#79
2-Chlorotoluene
Concen: 99.653 ug/l
RT: 12.89 min Scan# 1802
Delta R.T. -0.01 min
Lab File: VW009237.D
Acq: 19 Mar 2019 12:46

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC100

Tot Ion: 91 Resp: 1134296
Ion Ratio Lower Upper
91 100
126 33.1 17.0 51.0

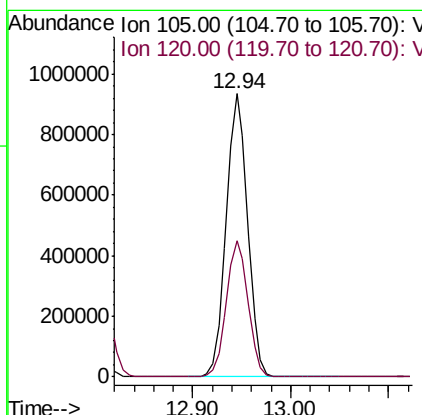
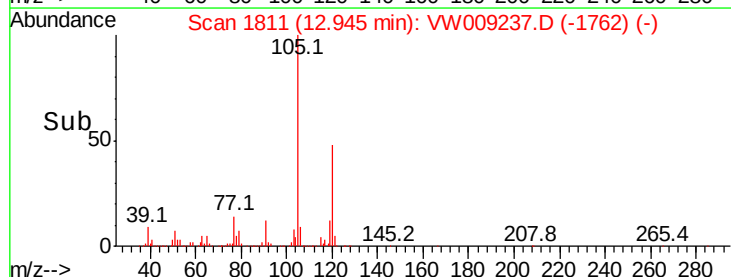
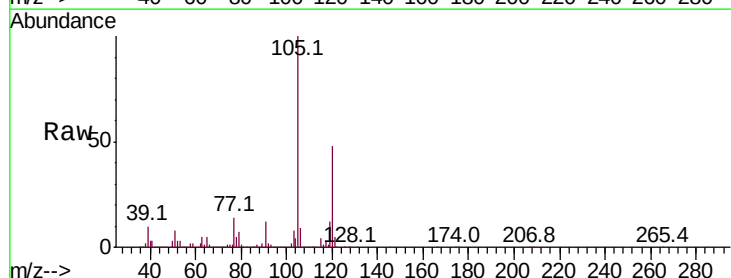
Manual Integrations
APPROVED

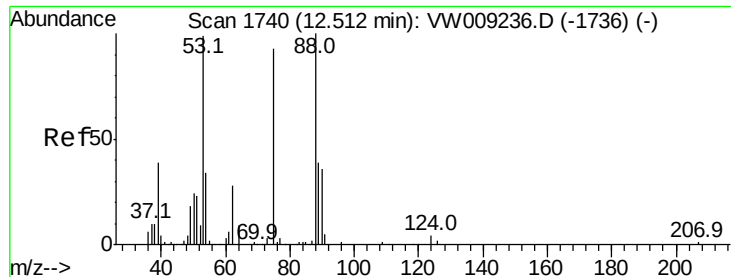
MMDadoda
3/22/2019 3:53:02 AM



#80
1,3,5-Trimethylbenzene
Concen: 101.970 ug/l
RT: 12.94 min Scan# 1811
Delta R.T. 0.00 min
Lab File: VW009237.D
Acq: 19 Mar 2019 12:46

Tgt Ion:105 Resp: 1414736
Ion Ratio Lower Upper
105 100
120 48.5 24.6 74.0





#81

trans-1,4-Dichloro-2-butene

Concen: 105.031 ug/l

RT: 12.51 min Scan# 1740

Delta R.T. 0.00 min

Lab File: VW009237.D

Acq: 19 Mar 2019 12:46

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC100

Tot Ion: 75 Resp: 98184

Ion Ratio Lower Upper

75 100

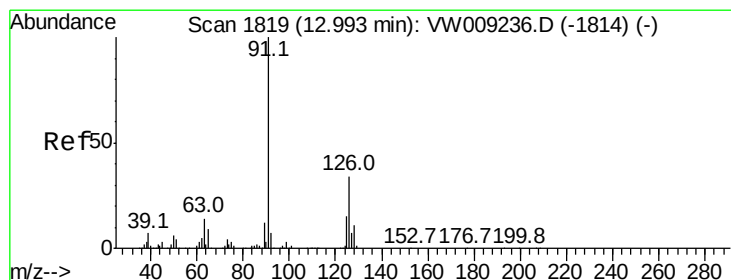
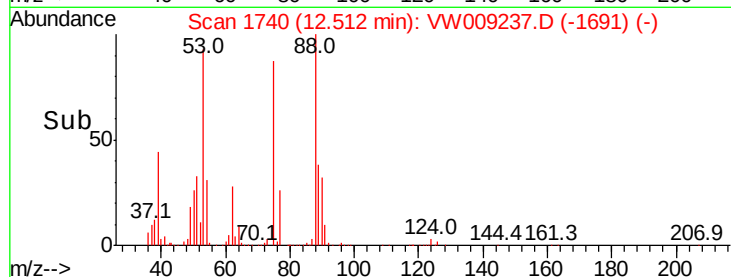
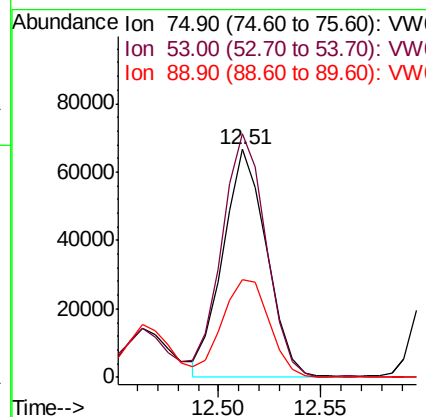
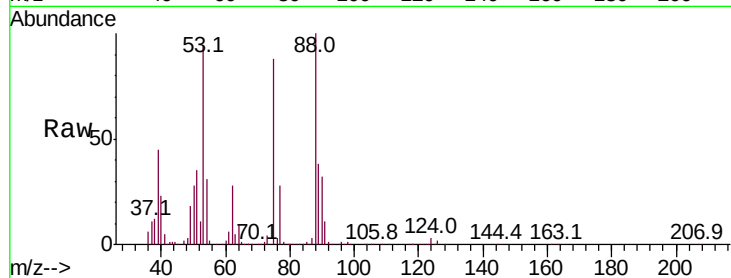
53 109.7 86.7 130.1

89 46.7 36.4 54.6

Manual Integrations
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MMDadoda

3/22/2019 3:53:02 AM



#82

4-Chlorotoluene

Concen: 98.915 ug/l

RT: 12.99 min Scan# 1818

Delta R.T. -0.01 min

Lab File: VW009237.D

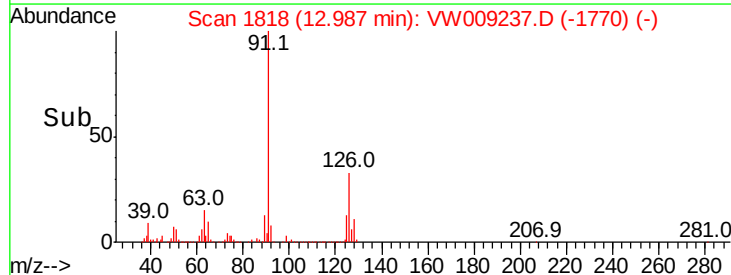
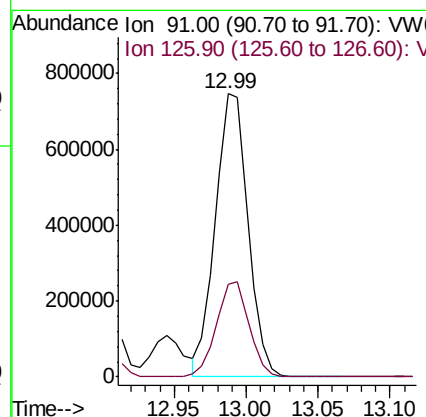
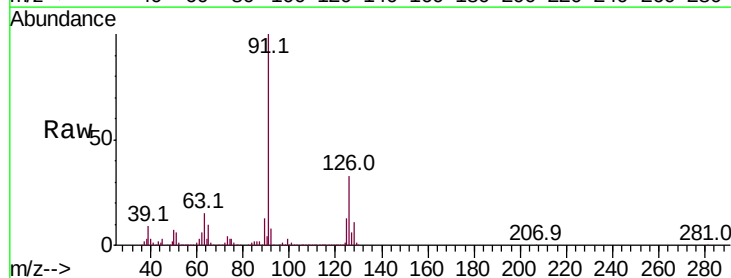
Acq: 19 Mar 2019 12:46

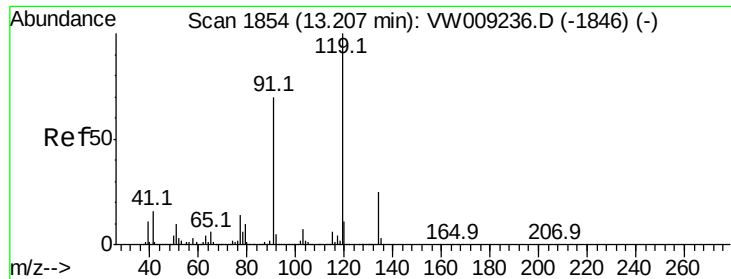
Tgt Ion: 91 Resp: 1186122

Ion Ratio Lower Upper

91 100

126 33.8 16.9 50.6





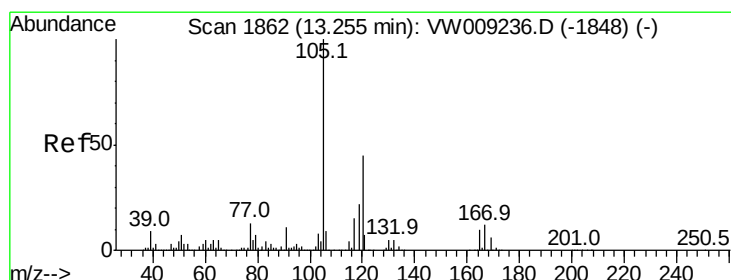
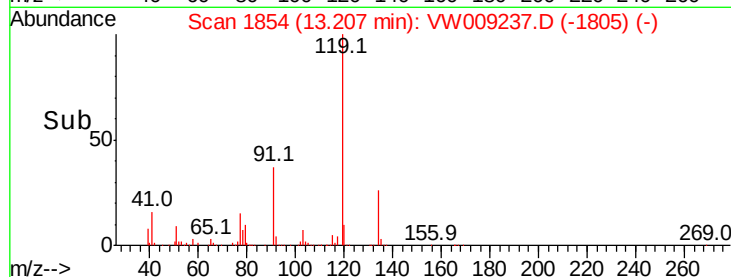
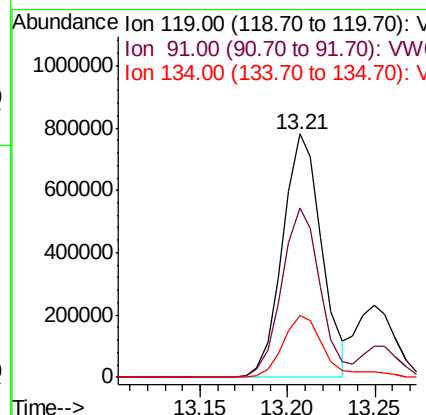
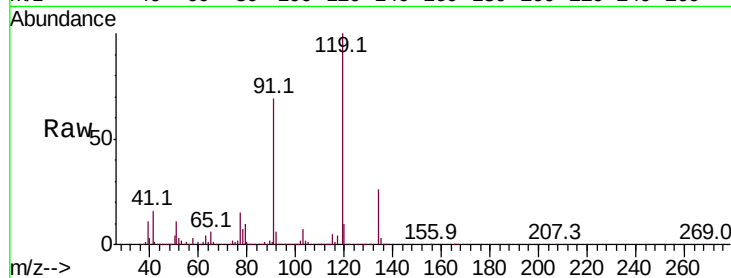
#83
 tert-Butylbenzene
 Concen: 102.610 ug/l
 RT: 13.21 min Scan# 1854
 Delta R.T. 0.00 min
 Lab File: VW009237.D
 Acq: 19 Mar 2019 12:46

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC100

Tot Ion	Ratio	Lower	Upper
119	100		
91	69.4	34.4	103.2
134	27.3	12.7	38.1

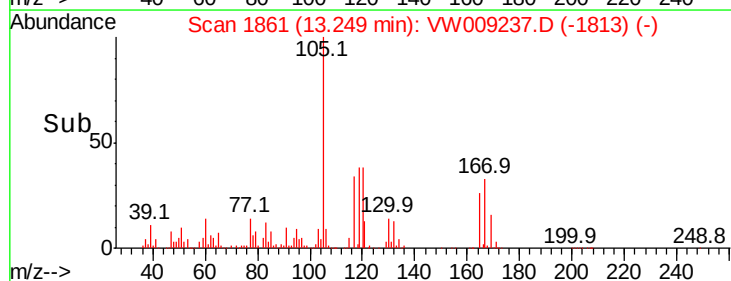
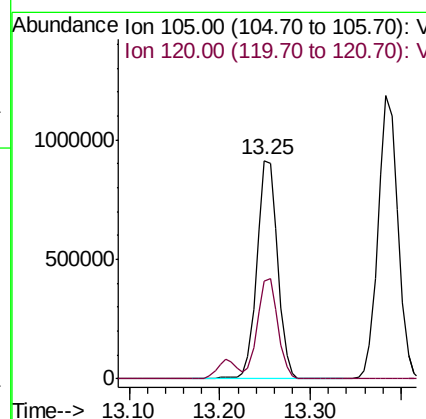
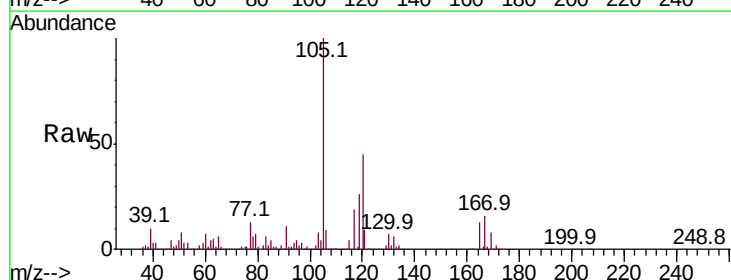
Manual Integrations
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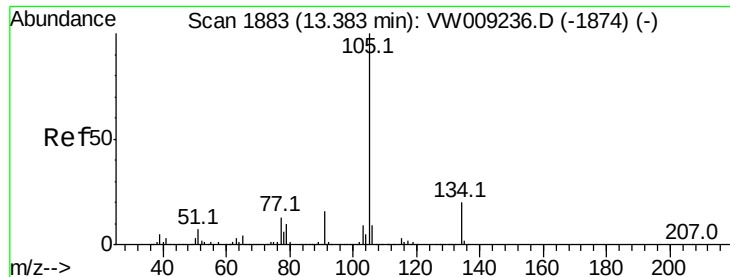
MMDadoda
 3/22/2019 3:53:02 AM



#84
 1,2,4-Trimethylbenzene
 Concen: 101.117 ug/l
 RT: 13.25 min Scan# 1861
 Delta R.T. -0.01 min
 Lab File: VW009237.D
 Acq: 19 Mar 2019 12:46

Tgt Ion	Ratio	Lower	Upper
105	100		
120	45.3	22.8	68.3





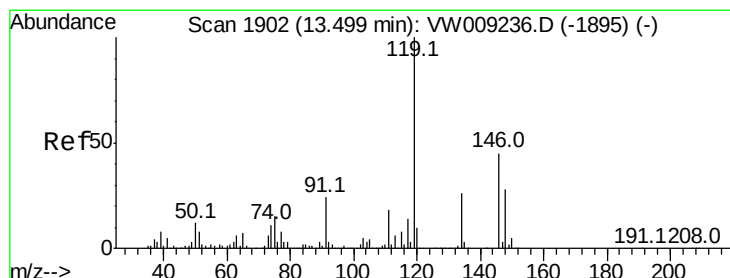
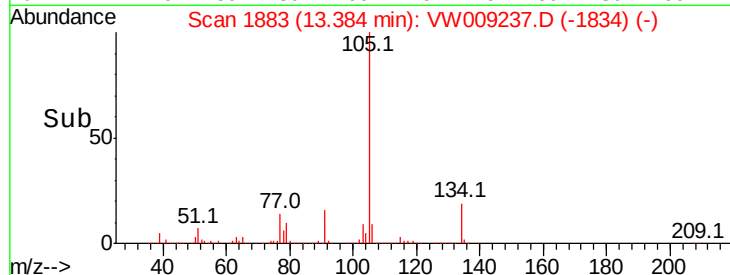
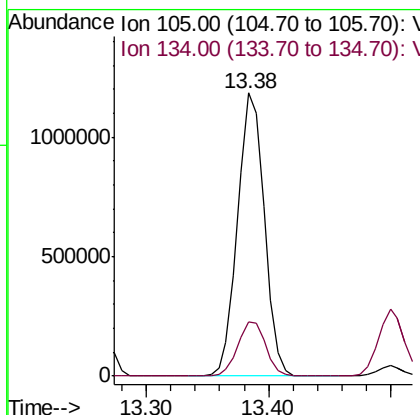
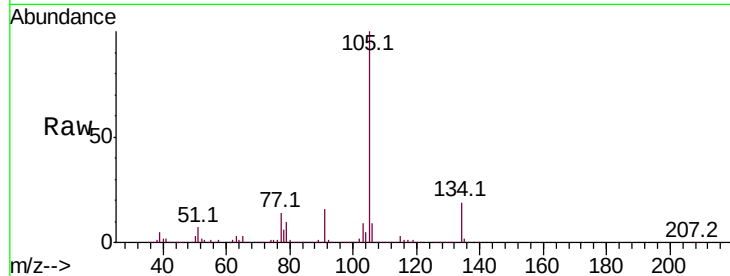
#85
 sec-Butylbenzene
 Concen: 102.075 ug/l
 RT: 13.38 min Scan# 1883
 Delta R.T. 0.00 min
 Lab File: VW009237.D
 Acq: 19 Mar 2019 12:46

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC100

Tot Ion:105 Resp: 1788392
 Ion Ratio Lower Upper
 105 100
 134 20.0 10.2 30.6

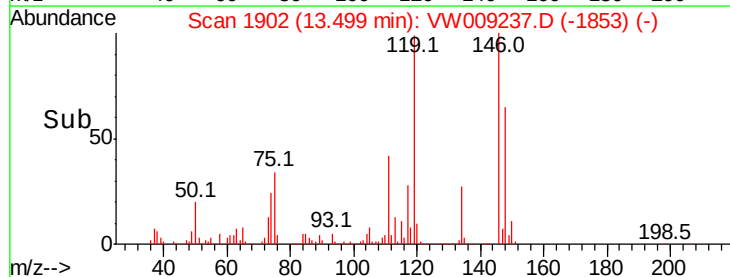
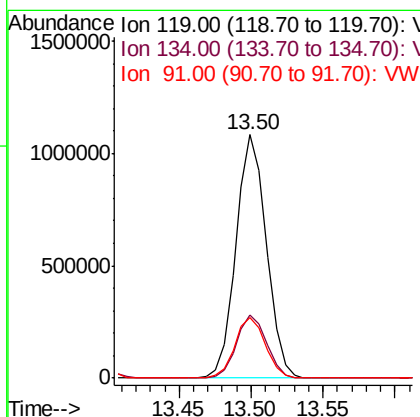
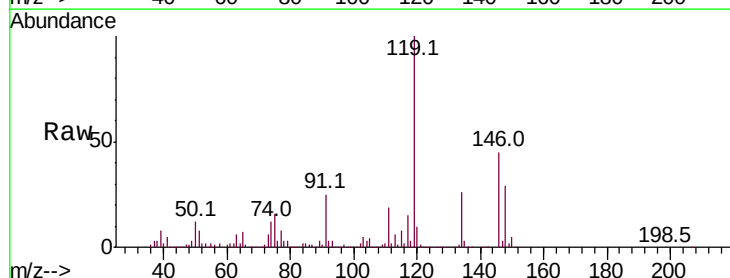
Manual Integrations
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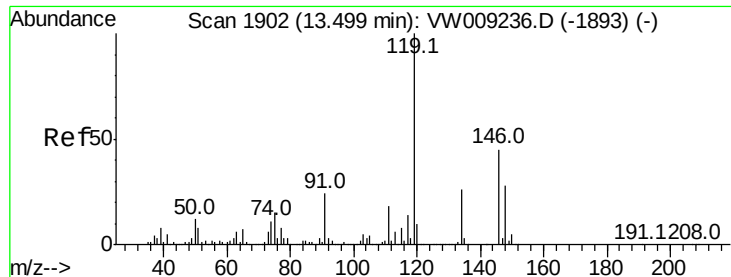
MMDadoda
 3/22/2019 3:53:02 AM



#86
 p-Isopropyltoluene
 Concen: 101.654 ug/l
 RT: 13.50 min Scan# 1902
 Delta R.T. 0.00 min
 Lab File: VW009237.D
 Acq: 19 Mar 2019 12:46

Tgt Ion:119 Resp: 1585957
 Ion Ratio Lower Upper
 119 100
 134 26.0 13.1 39.3
 91 25.0 12.3 36.8





#87

1,3-Dichlorobenzene

Concen: 96.323 ug/l

RT: 13.50 min Scan# 1902

Delta R.T. 0.00 min

Lab File: VW009237.D

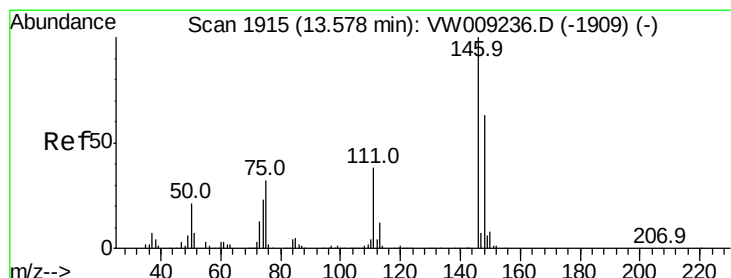
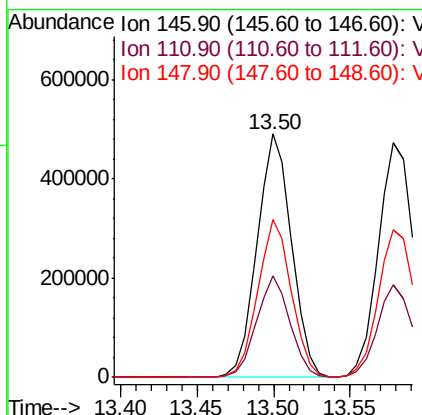
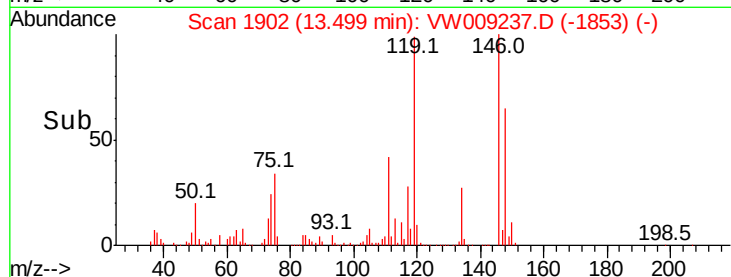
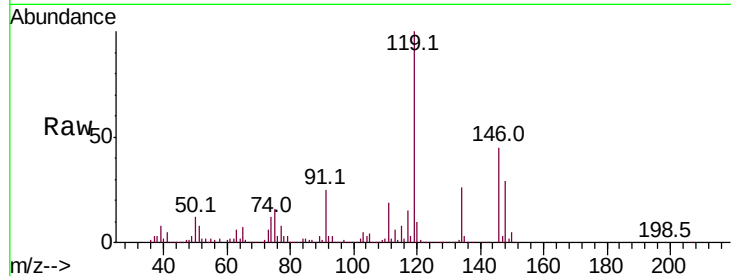
Acq: 19 Mar 2019 12:46

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Resp	Lower	Upper
146	100	770285		
111	40.3		20.1	60.2
148	63.1		31.4	94.3

Manual Integrations
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MMDadoda
3/22/2019 3:53:02 AM



#88

1,4-Dichlorobenzene

Concen: 94.972 ug/l

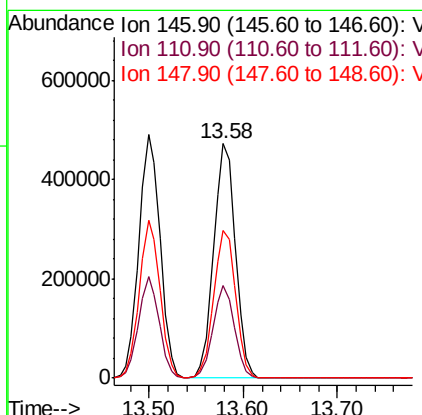
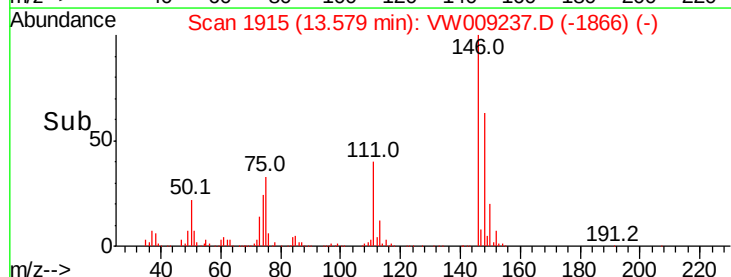
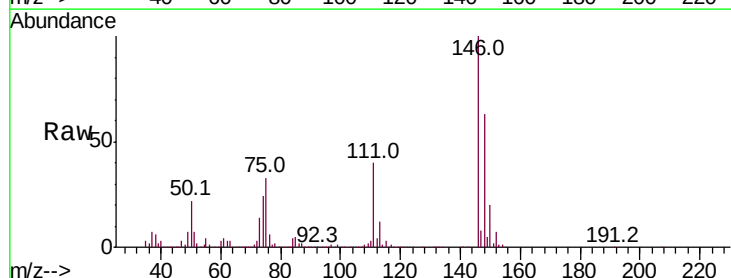
RT: 13.58 min Scan# 1915

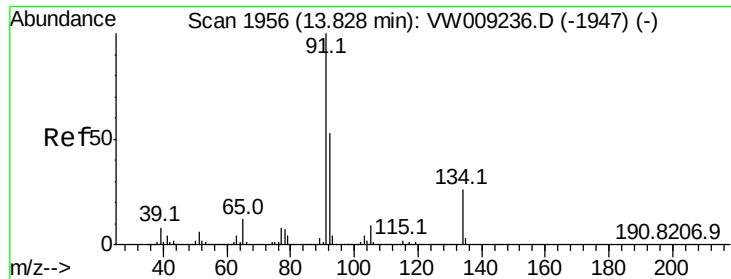
Delta R.T. 0.00 min

Lab File: VW009237.D

Acq: 19 Mar 2019 12:46

Tgt Ion	Ratio	Resp	Lower	Upper
146	100	756204		
111	38.5		19.9	59.6
148	63.7		32.2	96.6





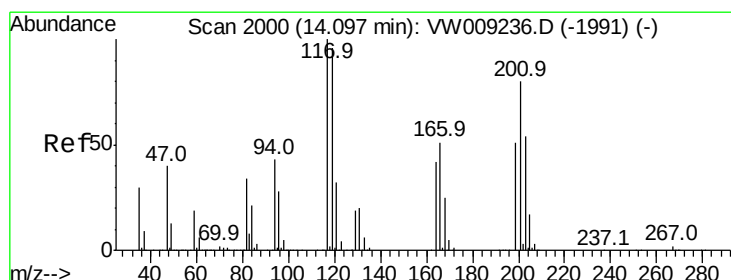
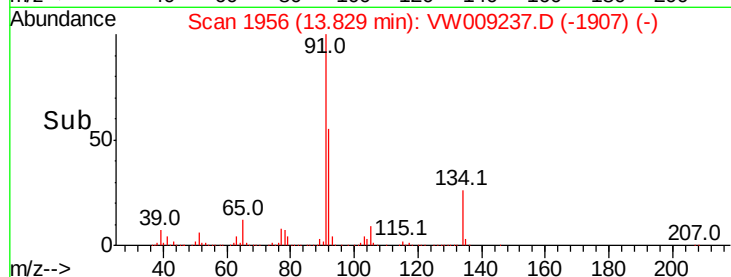
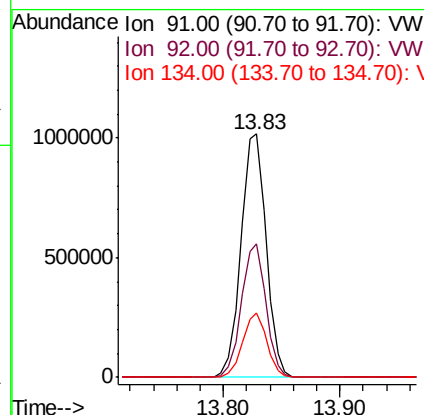
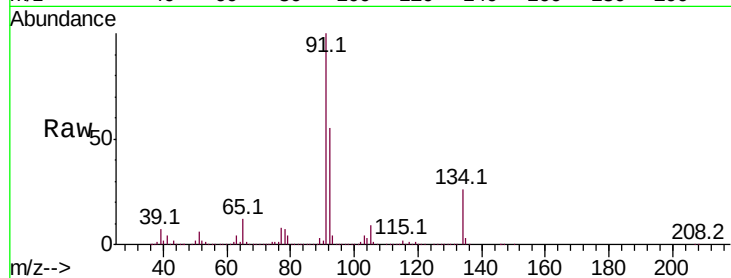
#89
n-Butylbenzene
Concen: 102.404 ug/l
RT: 13.83 min Scan# 1956
Delta R.T. 0.00 min
Lab File: VW009237.D
Acq: 19 Mar 2019 12:46

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC100

Tot Ion: 91 Resp: 1533620
Ion Ratio Lower Upper
91 100
92 53.3 26.4 79.0
134 25.5 12.9 38.6

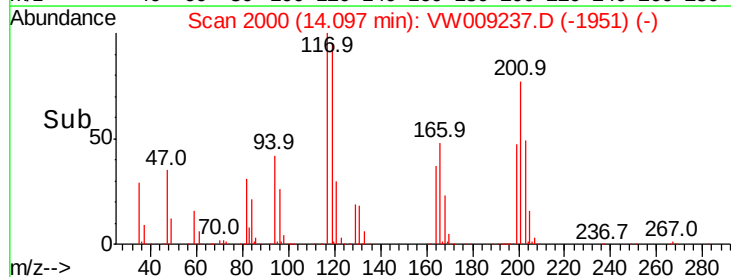
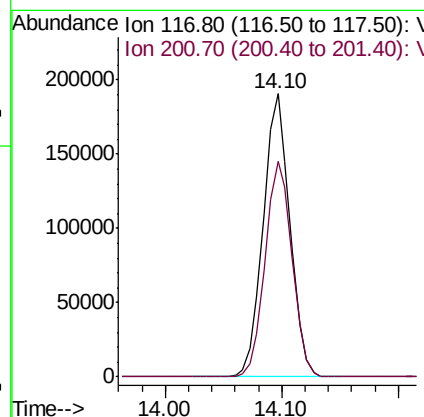
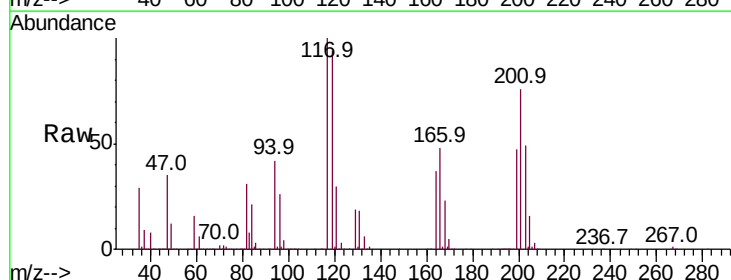
Manual Integrations
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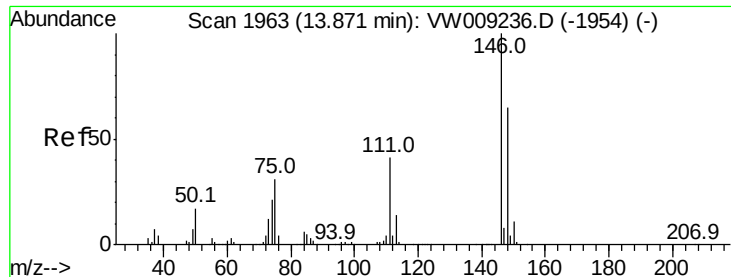
MMDadoda
3/22/2019 3:53:02 AM



#90
Hexachloroethane
Concen: 98.319 ug/l
RT: 14.10 min Scan# 2000
Delta R.T. 0.00 min
Lab File: VW009237.D
Acq: 19 Mar 2019 12:46

Tgt Ion: 117 Resp: 302430
Ion Ratio Lower Upper
117 100
201 77.0 38.2 114.6





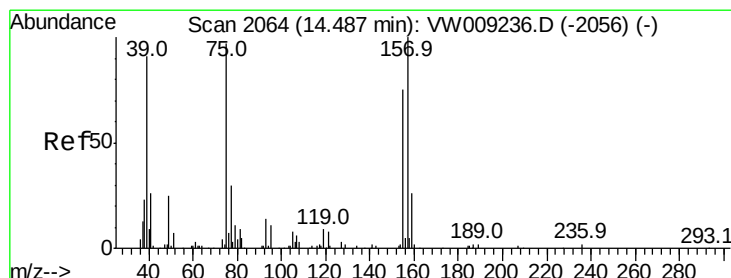
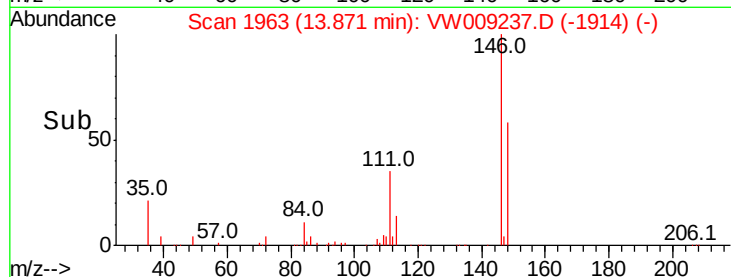
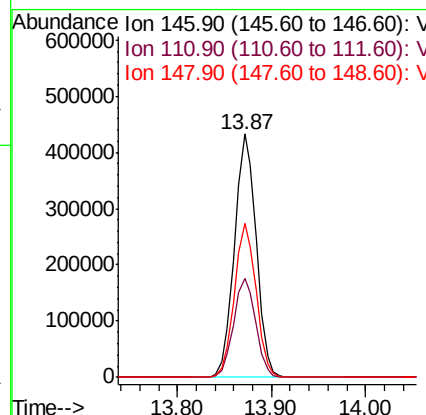
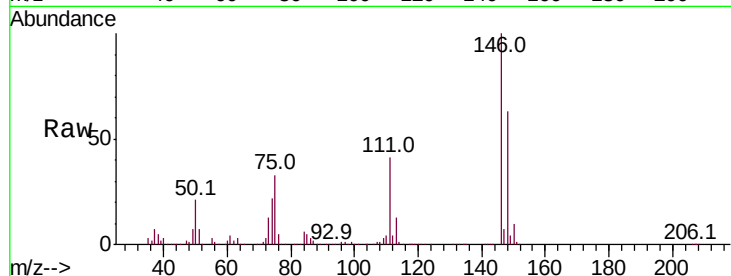
#91
 1,2-Dichlorobenzene
 Concen: 96.198 ug/l
 RT: 13.87 min Scan# 1963
 Delta R.T. 0.00 min
 Lab File: VW009237.D
 Acq: 19 Mar 2019 12:46

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC100

Tot Ion	Ratio	Resp	Lower	Upper
146	100			
111	41.5	20.4	61.2	
148	63.0	31.9	95.9	

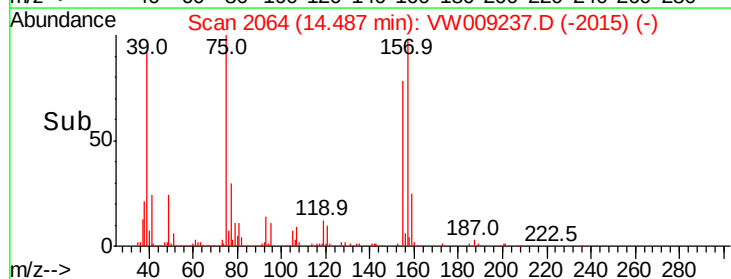
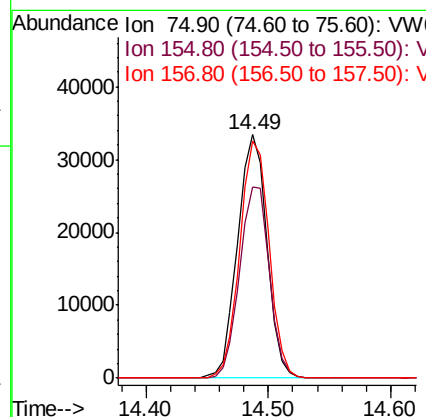
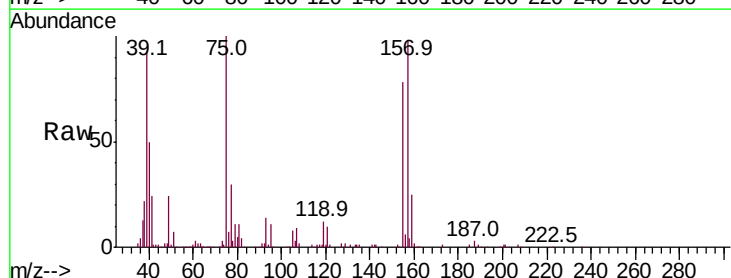
Manual Integrations
 APPROVED

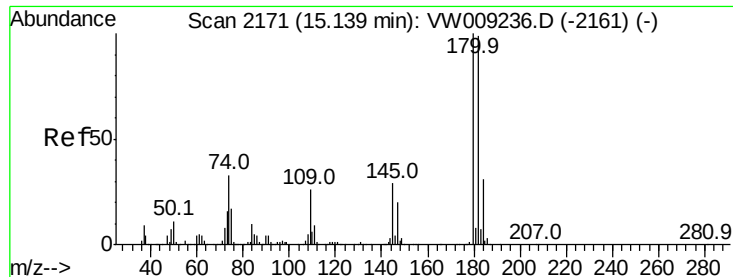
MMDadoda
 3/22/2019 3:53:02 AM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 101.097 ug/l
 RT: 14.49 min Scan# 2064
 Delta R.T. 0.00 min
 Lab File: VW009237.D
 Acq: 19 Mar 2019 12:46

Tgt Ion	Ratio	Resp	Lower	Upper
75	100			
155	79.7	39.3	117.8	
157	97.1	49.5	148.5	





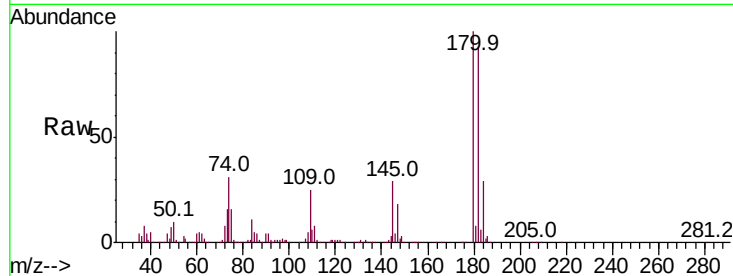
#93
 1,2,4-Trichlorobenzene
 Concen: 99.002 ug/l
 RT: 15.14 min Scan# 2171
 Delta R.T. 0.00 min
 Lab File: VW009237.D
 Acq: 19 Mar 2019 12:46

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC100

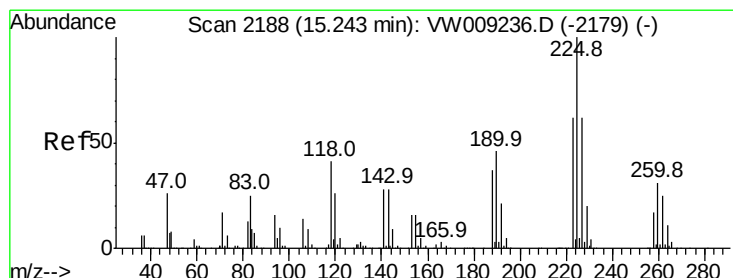
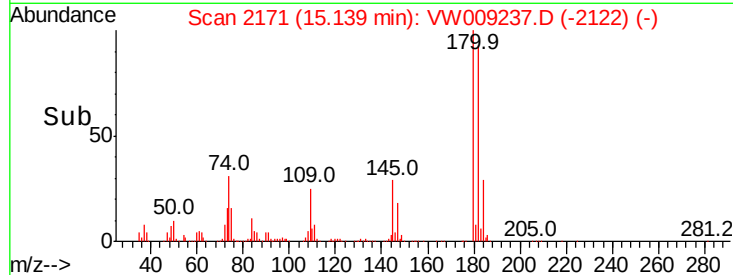
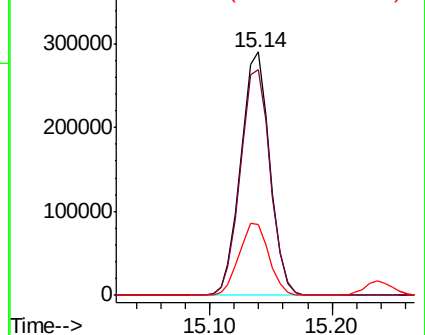
Tot Ion:	180	Resp:	476779
Ion Ratio	Lower	Upper	
180	100		
182	95.5	47.9	143.7
145	30.6	15.0	45.0

Manual Integrations
 APPROVED

MMDadoda
 3/22/2019 3:53:02 AM

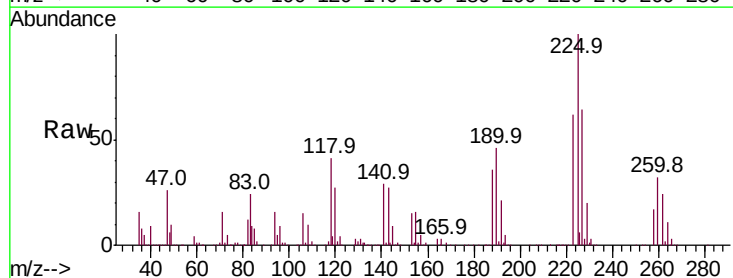


Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

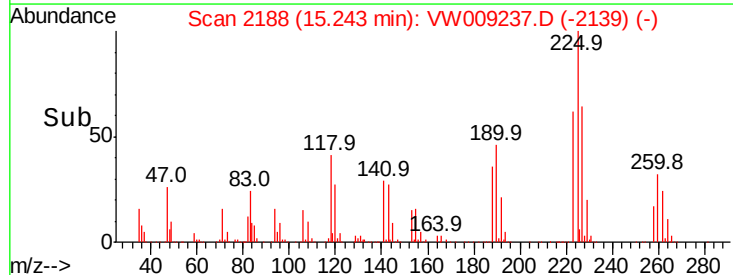
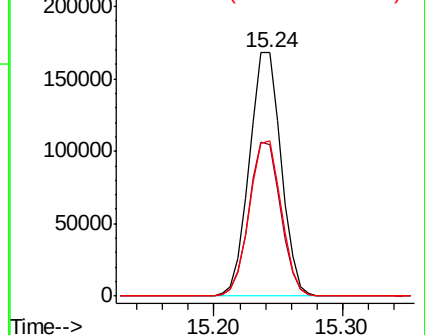


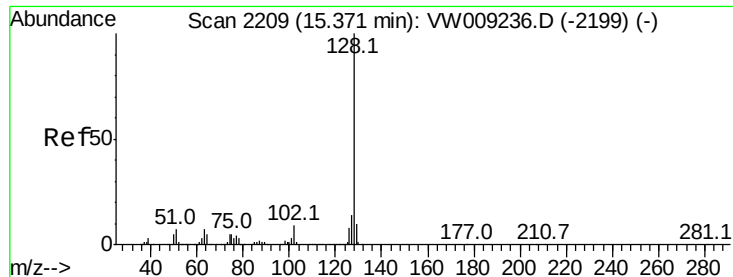
#94
 Hexachlorobutadiene
 Concen: 93.168 ug/l
 RT: 15.24 min Scan# 2188
 Delta R.T. 0.00 min
 Lab File: VW009237.D
 Acq: 19 Mar 2019 12:46

Tgt Ion:	225	Resp:	285371
Ion Ratio	Lower	Upper	
225	100		
223	63.3	31.4	94.3
227	64.0	32.1	96.5



Abundance Ion 224.70 (224.40 to 225.40): V
 Ion 222.70 (222.40 to 223.40): V
 Ion 226.70 (226.40 to 227.40): V





#95

Naphthalene

Concen: 108.127 ug/l

RT: 15.37 min Scan# 2209

Delta R.T. 0.00 min

Lab File: VW009237.D

Acq: 19 Mar 2019 12:46

Instrument :

MSVOA_W

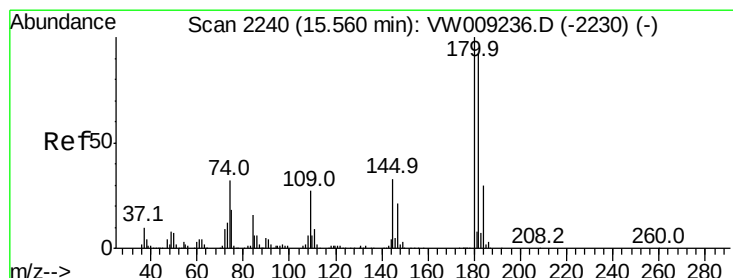
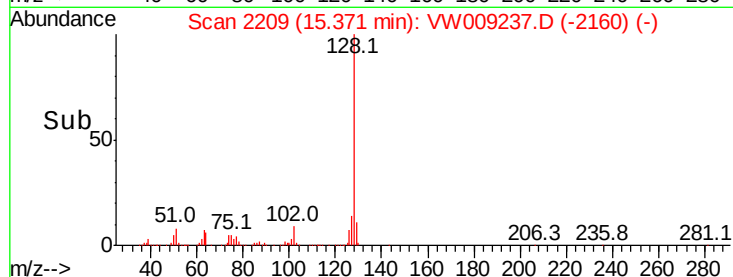
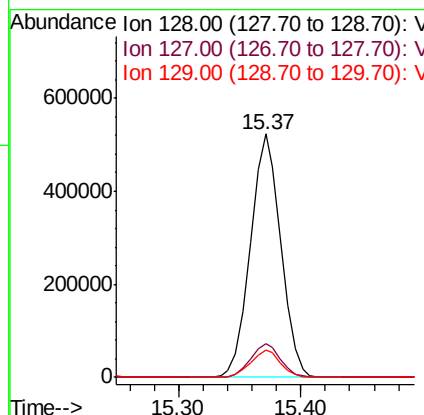
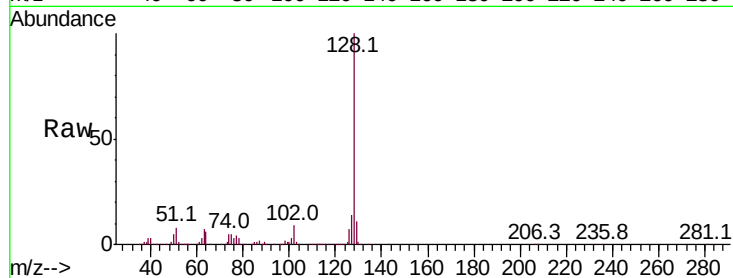
ClientSampleId :

VSTDIC100

Tot Ion	Ratio	Lower	Upper
128	100		
127	13.7	10.8	16.2
129	11.0	8.7	13.1

Manual Integrations
APPROVED

MMDadoda
3/22/2019 3:53:02 AM



#96

1,2,3-Trichlorobenzene

Concen: 98.409 ug/l

RT: 15.56 min Scan# 2240

Delta R.T. 0.00 min

Lab File: VW009237.D

Acq: 19 Mar 2019 12:46

Tgt Ion	Ratio	Lower	Upper
180	100		
182	95.3	47.3	141.9
145	32.2	16.0	48.0

