

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW031919\
 Data File : VW009258.D
 Acq On : 20 Mar 2019 01:04
 Operator : SY/VA
 Sample : VW0319SBS02
 Misc : 5.00G/5ML/MSVOA W/SOIL
 ALS Vial : 33 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0319SBS02

Manual Integrations
 APPROVED

MMDadoda
 3/22/2019 3:53:15 AM

Quant Time: Mar 20 08:29:30 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W031919S.M
 Quant Title : SW846 8260
 QLast Update : Wed Mar 20 07:22:50 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	260654	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	419181	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	391174	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	211271	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.30	65	156575	56.47	ug/l	0.00
Spiked Amount	50.000		Recovery	=	112.94%	
35) Dibromofluoromethane	7.88	113	136136	51.20	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.40%	
50) Toluene-d8	10.32	98	486770	50.37	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.74%	
62) 4-Bromofluorobenzene	12.62	95	182356	51.40	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.80%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.01	85	35538	21.501	ug/l	94
3) Chloromethane	2.21	50	42683	22.590	ug/l	99
4) Vinyl Chloride	2.37	62	58989	21.271	ug/l	98
5) Bromomethane	2.78	94	52989	23.430	ug/l	100
6) Chloroethane	2.92	64	49349	22.936	ug/l	100
7) Trichlorofluoromethane	3.25	101	33339	18.352	ug/l	98
8) Diethyl Ether	3.67	74	31665	24.169	ug/l	94
9) 1,1,2-Trichlorotrifluoroet	4.06	101	53407	20.294	ug/l	98
10) Methyl Iodide	4.26	142	86082	22.691	ug/l	97
11) Tert butyl alcohol	5.18	59	19959	124.000	ug/l	95
12) 1,1-Dichloroethene	4.04	96	53140	21.362	ug/l	89
13) Acrolein	3.89	56	13989	106.477	ug/l	96
14) Allyl chloride	4.65	41	81553	22.238	ug/l	97
15) Acrylonitrile	5.36	53	69645	126.486	ug/l	99
16) Acetone	4.12	43	60809	106.903	ug/l	99
17) Carbon Disulfide	4.38	76	147058	21.205	ug/l	99
18) Methyl Acetate	4.66	43	33968	23.268	ug/l #	78
19) Methyl tert-butyl Ether	5.42	73	80091	26.233	ug/l	98
20) Methylene Chloride	4.91	84	62044	24.733	ug/l	92
21) trans-1,2-Dichloroethene	5.41	96	58392	22.815	ug/l	98
22) Diisopropyl ether	6.31	45	190924	24.149	ug/l	95
23) Vinyl Acetate	6.25	43	615742	124.127	ug/l	99
24) 1,1-Dichloroethane	6.20	63	112103	22.975	ug/l	98
25) 2-Butanone	7.17	43	99121	121.612	ug/l	99
26) 2,2-Dichloropropane	7.16	77	54765	20.088	ug/l	99
27) cis-1,2-Dichloroethene	7.16	96	65048	23.460	ug/l	99
28) Bromochloromethane	7.51	49	51249	23.946	ug/l #	100
29) Tetrahydrofuran	7.53	42	66752	128.847	ug/l	99
30) Chloroform	7.67	83	116018	22.853	ug/l	95
31) Cyclohexane	7.95	56	95529	21.000	ug/l	96
32) 1,1,1-Trichloroethane	7.86	97	88118	21.745	ug/l	99
36) 1,1-Dichloropropene	8.08	75	85152	20.414	ug/l	99
37) Ethyl Acetate	7.25	43	46513	24.437	ug/l	98
38) Carbon Tetrachloride	8.06	117	86145	19.515	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.34	83	93702	19.416	ug/l	95
40) Benzene	8.32	78	244372	21.604	ug/l	99
41) Methacrylonitrile	7.48	41	27056	26.374	ug/l #	87
42) 1,2-Dichloroethane	8.40	62	86199	23.312	ug/l	100
43) Isopropyl Acetate	8.42	43	88319	23.172	ug/l	99
44) Trichloroethene	9.09	130	65153	21.026	ug/l	94
45) 1,2-Dichloropropane	9.37	63	63384	22.043	ug/l	96
46) Dibromomethane	9.45	93	37218	23.537	ug/l	97
47) Bromodichloromethane	9.64	83	88520	22.153	ug/l	95
48) Methyl methacrylate	9.43	41	41208	23.352	ug/l	98
49) 1,4-Dioxane	9.45	88	11371	463.629	ug/l	99
51) 4-Methyl-2-Pentanone	10.21	43	238783	120.212	ug/l	100
52) Toluene	10.38	92	155793	21.737	ug/l	95
53) t-1,3-Dichloropropene	10.60	75	85987	22.068	ug/l	98
54) cis-1,3-Dichloropropene	10.07	75	94582	21.576	ug/l	98
55) 1,1,2-Trichloroethane	10.79	97	48362	22.587	ug/l	96
56) Ethyl methacrylate	10.65	69	58063	22.774	ug/l	96
57) 1,3-Dichloropropane	10.93	76	85243	23.083	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.92	63	172473	231.199	ug/l	99
59) 2-Hexanone	10.97	43	162842	120.755	ug/l	99
60) Dibromochloromethane	11.13	129	60007	22.684	ug/l	99
61) 1,2-Dibromoethane	11.23	107	47189	23.140	ug/l	100
64) Tetrachloroethene	10.86	164	57660	21.524	ug/l	98
65) Chlorobenzene	11.66	112	176925	21.870	ug/l	96
66) 1,1,1,2-Tetrachloroethane	11.73	131	64449	21.328	ug/l	100
67) Ethyl Benzene	11.73	91	295337	21.077	ug/l	100
68) m/p-Xylenes	11.84	106	231327	42.592	ug/l	97
69) o-Xylene	12.16	106	108485	21.510	ug/l	99
70) Styrene	12.18	104	179025	21.529	ug/l	99
71) Bromoform	12.35	173	36767	22.276	ug/l #	99
73) Isopropylbenzene	12.46	105	293670	20.796	ug/l	99
74) N-amyl acetate	12.27	43	84733	23.003	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.71	83	59761	22.624	ug/l	100
76) 1,2,3-Trichloropropane	12.77	75	42248m	21.280	ug/l	
77) Bromobenzene	12.75	156	72834	21.775	ug/l	99
78) n-propylbenzene	12.80	91	358056	20.645	ug/l	100
79) 2-Chlorotoluene	12.90	91	210751	21.391	ug/l	100
80) 1,3,5-Trimethylbenzene	12.94	105	250956	20.898	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.51	75	17168	21.218	ug/l	98
82) 4-Chlorotoluene	12.99	91	221237	21.316	ug/l	100
83) tert-Butylbenzene	13.21	119	216816	21.127	ug/l	99
84) 1,2,4-Trimethylbenzene	13.25	105	260770	21.181	ug/l	99
85) sec-Butylbenzene	13.38	105	311912	20.568	ug/l	100
86) p-Isopropyltoluene	13.50	119	276898	20.505	ug/l	100
87) 1,3-Dichlorobenzene	13.50	146	146514	21.167	ug/l	98
88) 1,4-Dichlorobenzene	13.58	146	147750	21.438	ug/l	100
89) n-Butylbenzene	13.83	91	259147	19.992	ug/l	100
90) Hexachloroethane	14.10	117	55800	20.958	ug/l	98
91) 1,2-Dichlorobenzene	13.87	146	134829	21.723	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.49	75	10971	23.195	ug/l	96

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ClientSampleId :
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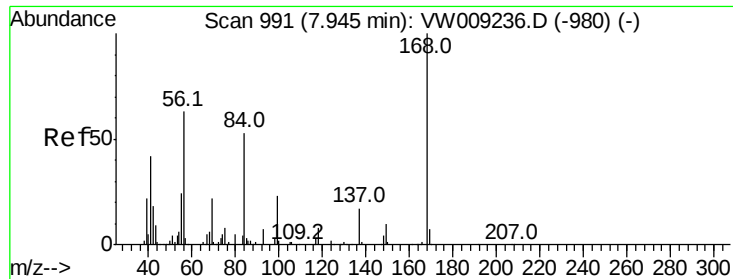
Manual Integrations
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.14	180	89790	21.541	ug/l	99
94) Hexachlorobutadiene	15.24	225	52657	19.862	ug/l	98
95) Naphthalene	15.37	128	167748	23.227	ug/l	100
96) 1,2,3-Trichlorobenzene	15.56	180	83154	22.348	ug/l	100

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 991

Delta R.T. 0.00 min

Lab File: VW009258.D

Acq: 20 Mar 2019 01:04

Instrument :

MSVOA_W

ClientSampleId :

VW0319SBSD02

Tot Ion:168 Resp: 260654

Ion Ratio Lower Upper

168 100

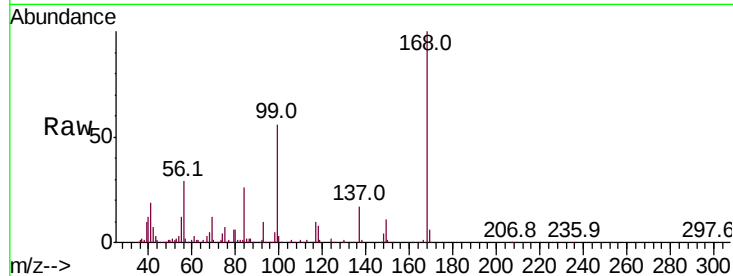
99 56.1 45.4 68.0

Manual Integrations

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW

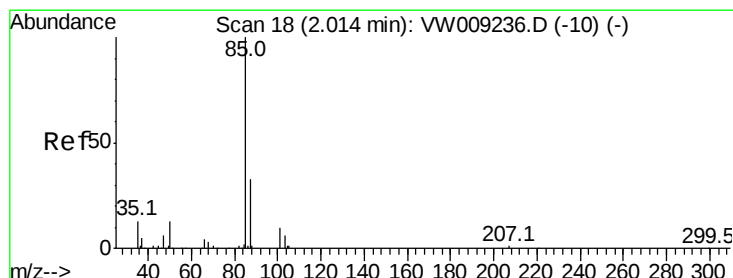
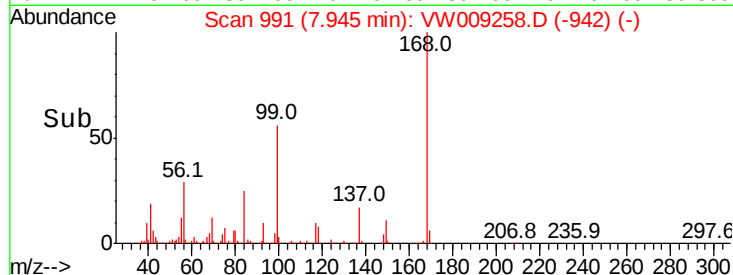
7.95

100000

50000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 21.501 ug/l

RT: 2.01 min Scan# 17

Delta R.T. -0.01 min

Lab File: VW009258.D

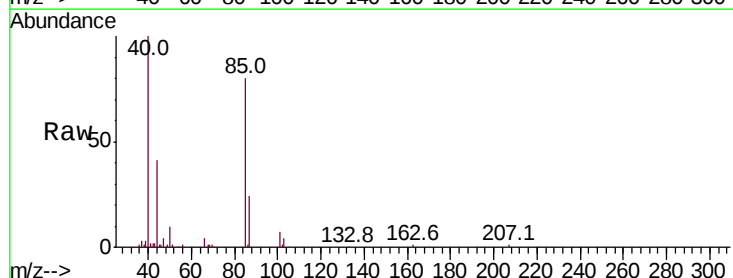
Acq: 20 Mar 2019 01:04

Tgt Ion: 85 Resp: 35538

Ion Ratio Lower Upper

85 100

87 29.8 16.7 50.1



Abundance Ion 84.90 (84.60 to 85.60): VW

Ion 86.90 (86.60 to 87.60): VW

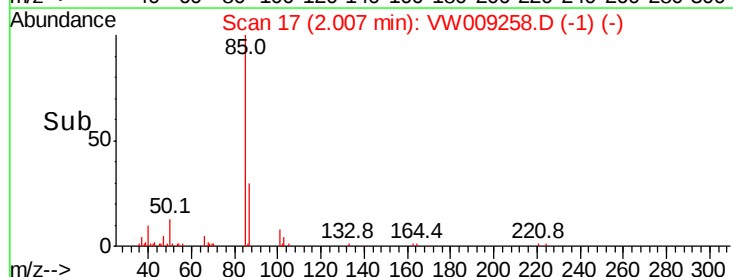
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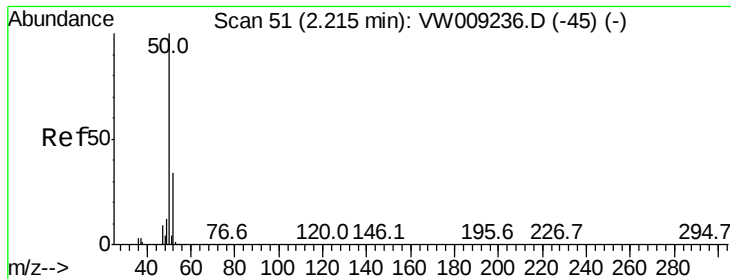
10000

5000

0

Time-->





#3

Chloromethane

Concen: 22.590 ug/l

RT: 2.21 min Scan# 51

Delta R.T. 0.00 min

Lab File: VW009258.D

Acq: 20 Mar 2019 01:04

Instrument :

MSVOA_W

ClientSampleId :

VW0319SBS02

Tot Ion: 50 Resp: 42683

Ion Ratio Lower Upper

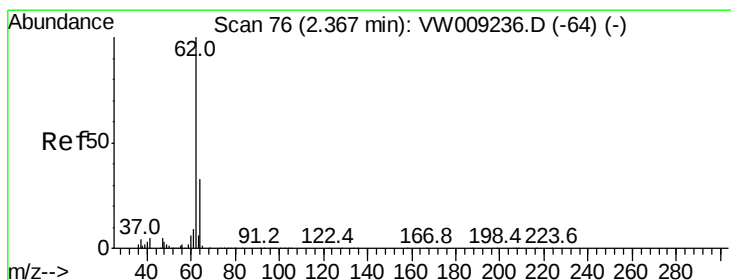
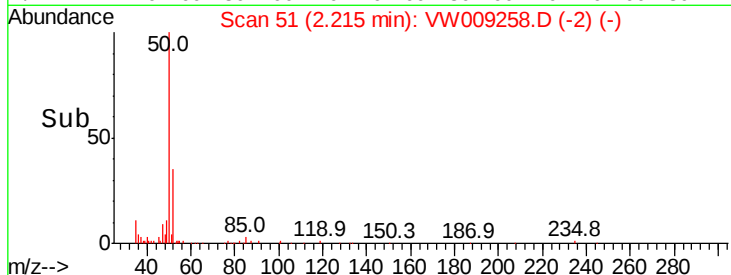
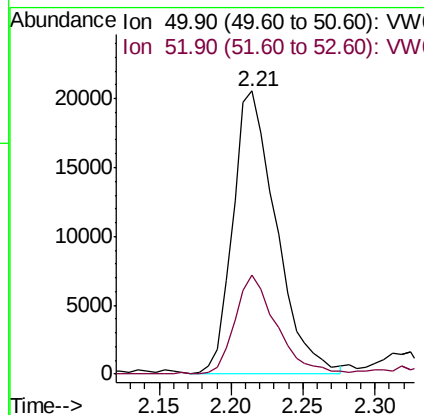
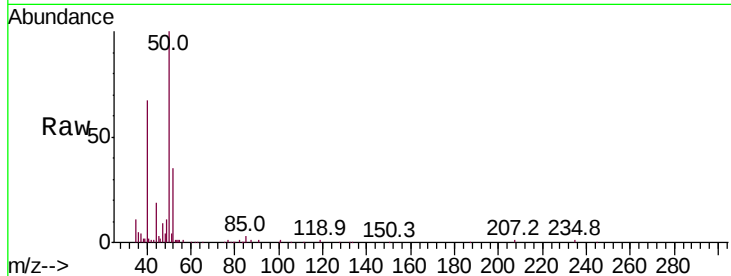
50 100

52 34.7 27.2 40.8

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#4

Vinyl Chloride

Concen: 21.271 ug/l

RT: 2.37 min Scan# 76

Delta R.T. 0.00 min

Lab File: VW009258.D

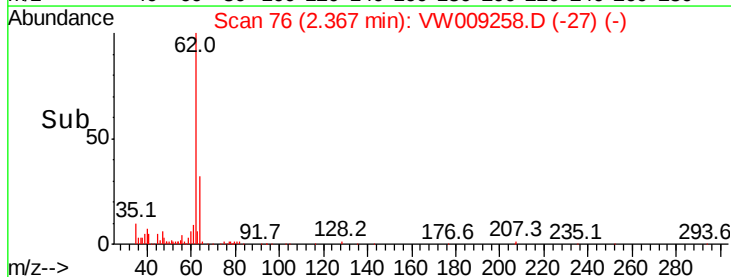
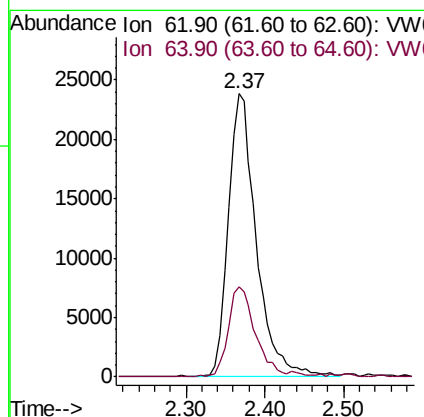
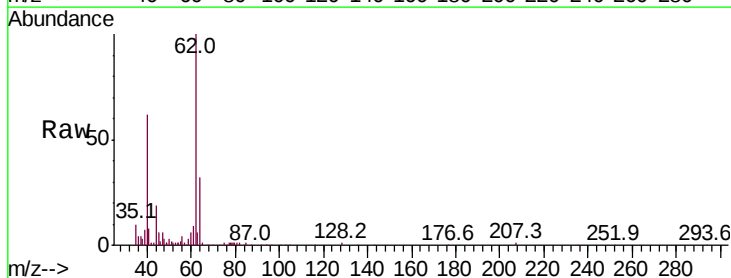
Acq: 20 Mar 2019 01:04

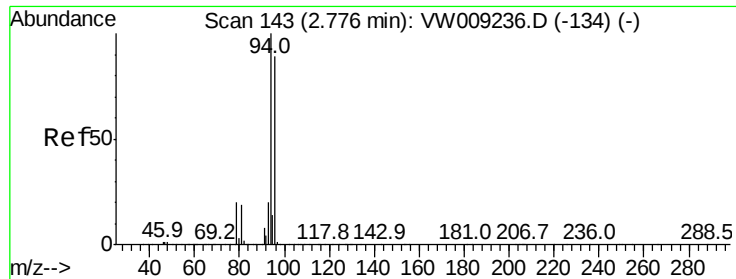
Tgt Ion: 62 Resp: 58989

Ion Ratio Lower Upper

62 100

64 31.6 26.2 39.2





#5

Bromomethane

Concen: 23.430 ug/l

RT: 2.78 min Scan# 143

Delta R.T. 0.00 min

Lab File: VW009258.D

Acq: 20 Mar 2019 01:04

Instrument :

MSVOA_W

ClientSampleId :

VW0319SBS02

Tot Ion: 94 Resp: 52989

Ion Ratio Lower Upper

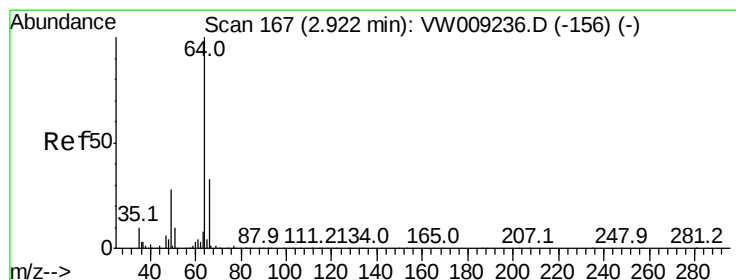
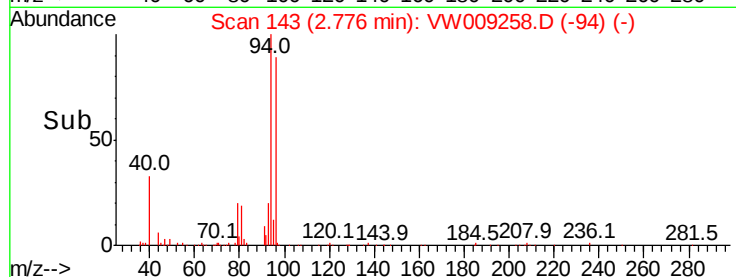
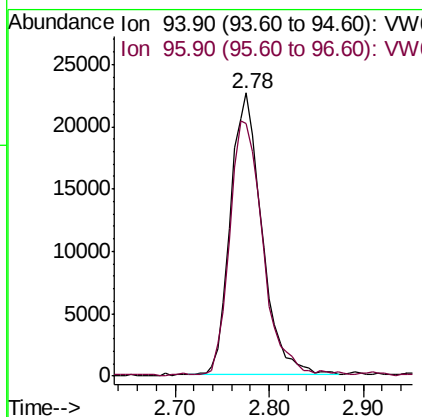
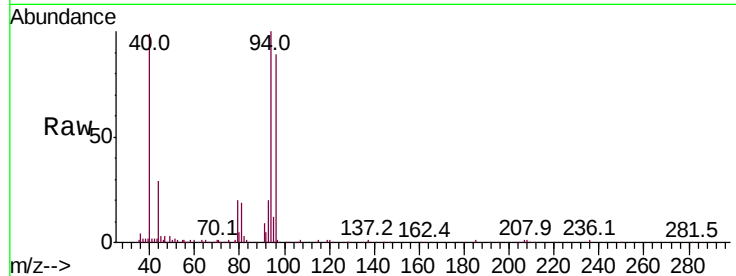
94 100

96 89.1 71.4 107.2

Manual Integrations
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#6

Chloroethane

Concen: 22.936 ug/l

RT: 2.92 min Scan# 167

Delta R.T. 0.00 min

Lab File: VW009258.D

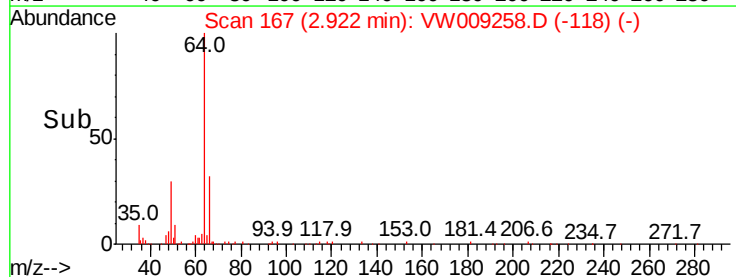
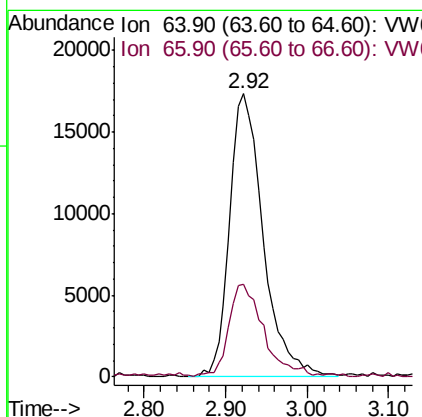
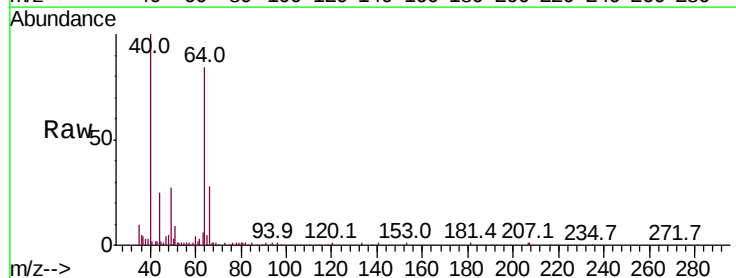
Acq: 20 Mar 2019 01:04

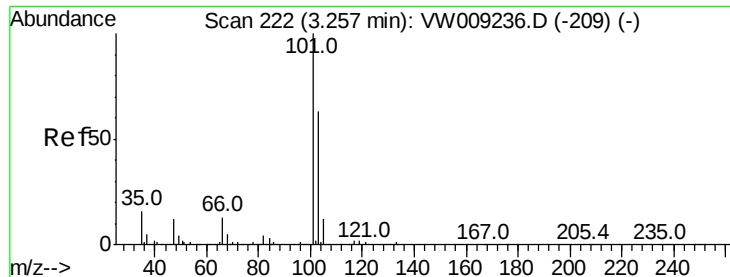
Tgt Ion: 64 Resp: 49349

Ion Ratio Lower Upper

64 100

66 32.5 26.2 39.2





#7

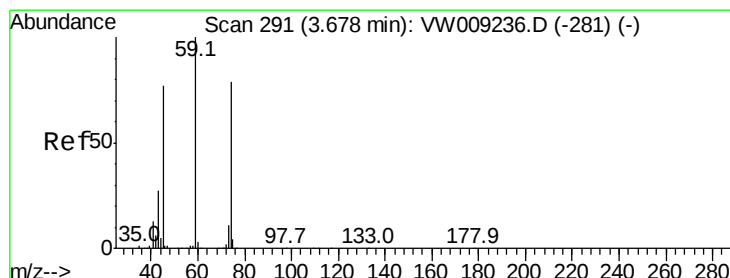
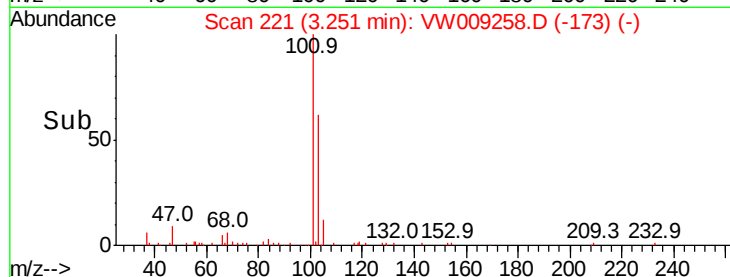
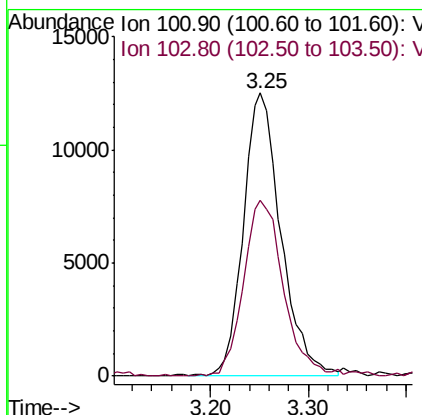
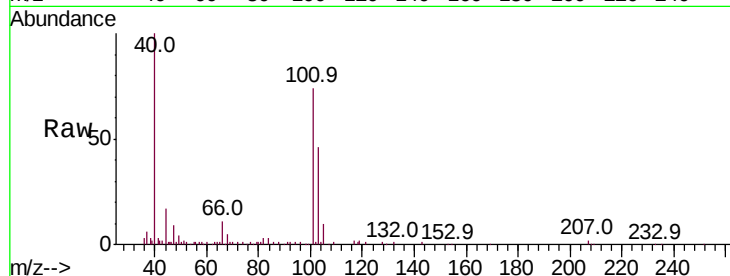
Trichlorofluoromethane
Concen: 18.352 ug/l
RT: 3.25 min Scan# 221
Delta R.T. -0.01 min
Lab File: VW009258.D
Acq: 20 Mar 2019 01:04

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ClientSampleId :
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Tot Ion	Ratio	Lower	Upper
101	100		
103	61.9	50.5	75.7

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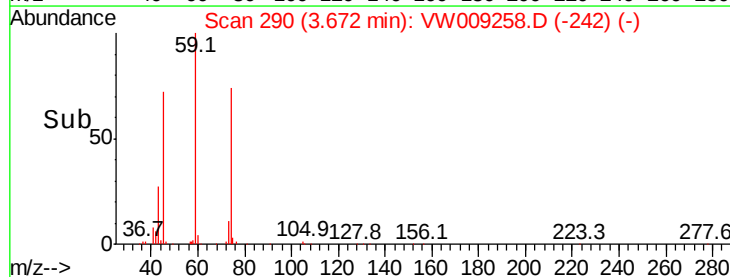
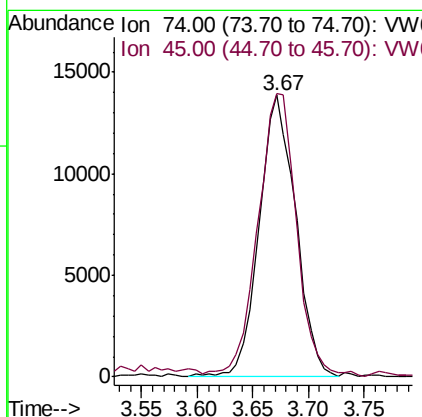
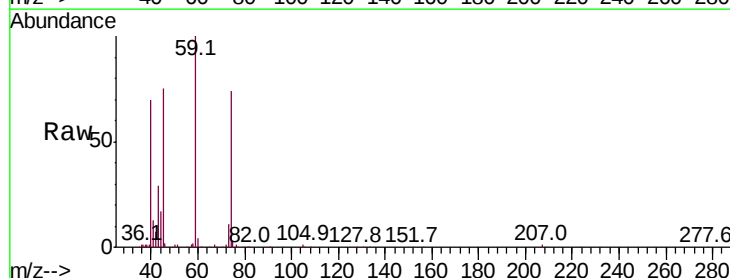
MMDadoda
3/22/2019 3:53:15 AM

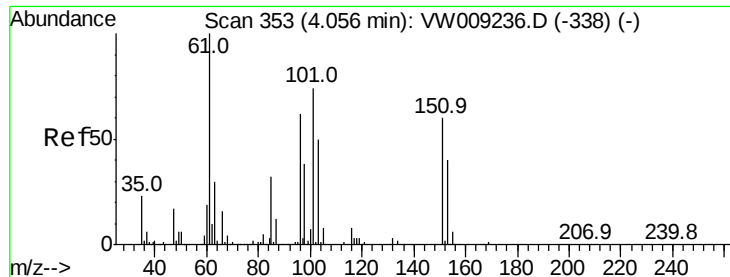


#8

Diethyl Ether
Concen: 24.169 ug/l
RT: 3.67 min Scan# 290
Delta R.T. -0.01 min
Lab File: VW009258.D
Acq: 20 Mar 2019 01:04

Tgt Ion	Ratio	Lower	Upper
74	100		
45	107.4	50.6	151.9





#9

1,1,2-Trichlorotrifluoroethane

Concen: 20.294 ug/l

RT: 4.06 min Scan# 353

Delta R.T. 0.00 min

Lab File: VW009258.D

Acq: 20 Mar 2019 01:04

Instrument :

MSVOA_W

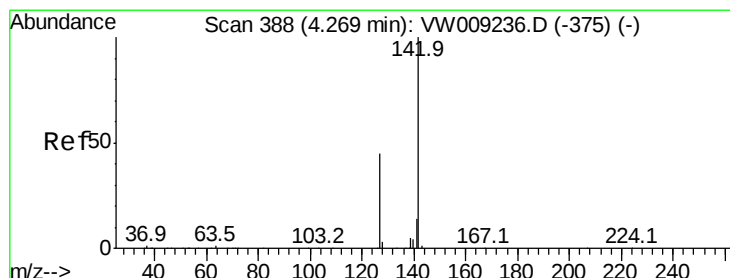
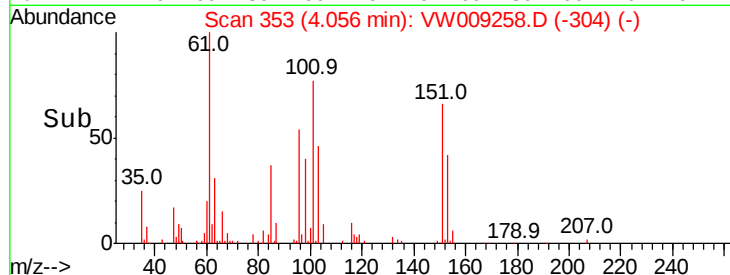
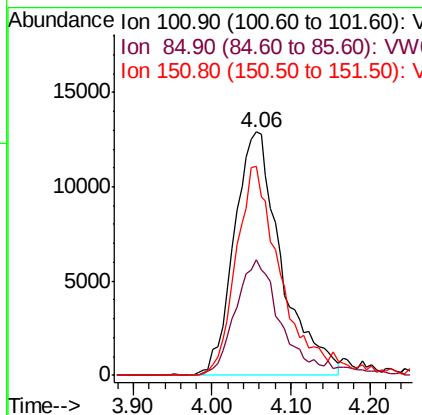
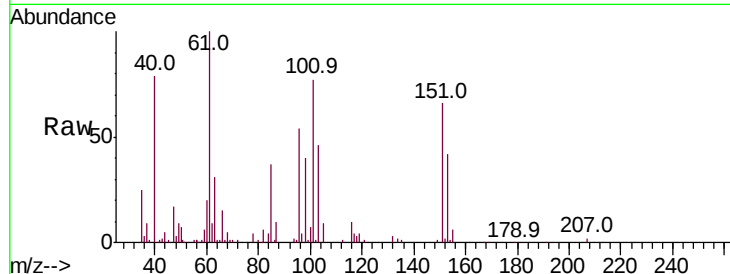
ClientSampleId :

VW0319SBS02

Tot Ion:	101	Resp:	53407
Ion Ratio	Lower	Upper	
101	100		
85	46.0	35.1	52.7
151	79.6	62.9	94.3

Manual Integrations
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3/22/2019 3:53:15 AM



#10

Methyl Iodide

Concen: 22.691 ug/l

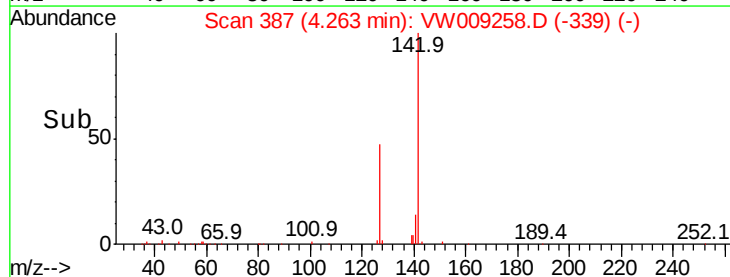
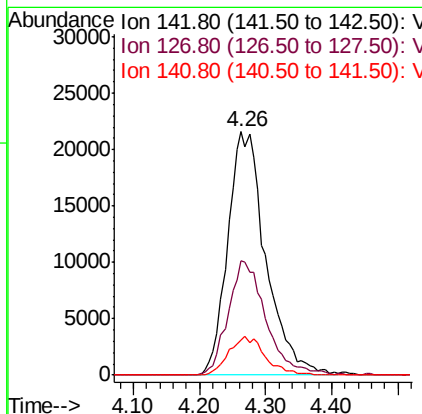
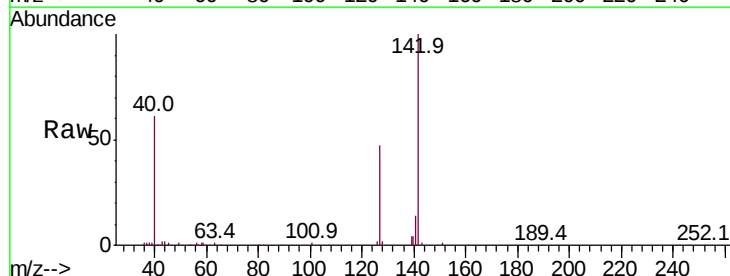
RT: 4.26 min Scan# 387

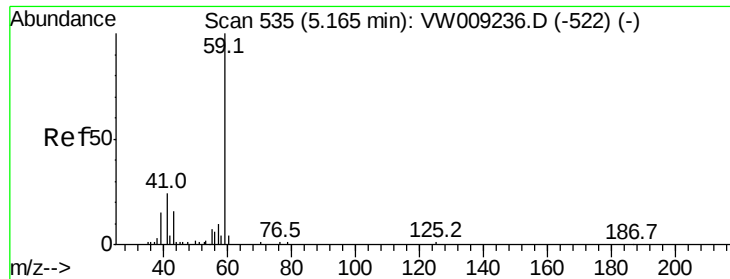
Delta R.T. -0.01 min

Lab File: VW009258.D

Acq: 20 Mar 2019 01:04

Tgt Ion:	142	Resp:	86082
Ion Ratio	Lower	Upper	
142	100		
127	46.7	35.9	53.9
141	15.0	11.4	17.2





#11

Tert butyl alcohol

Concen: 124.000 ug/l

RT: 5.18 min Scan# 538

Delta R.T. 0.02 min

Lab File: VW009258.D

Acq: 20 Mar 2019 01:04

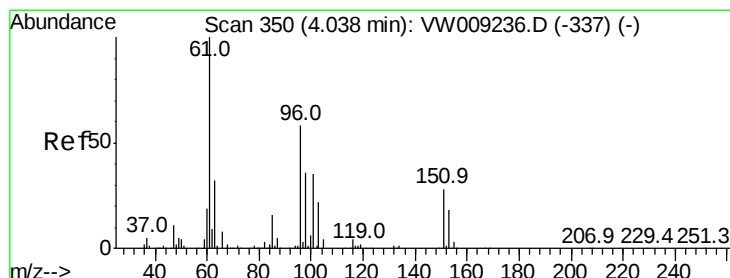
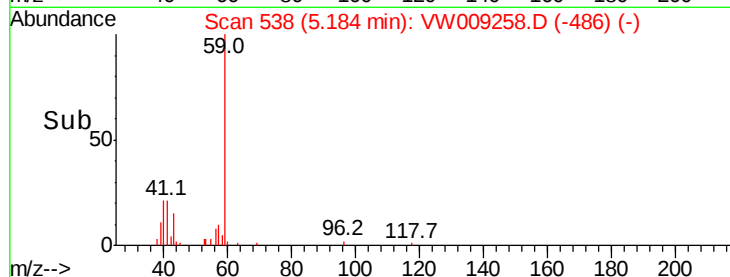
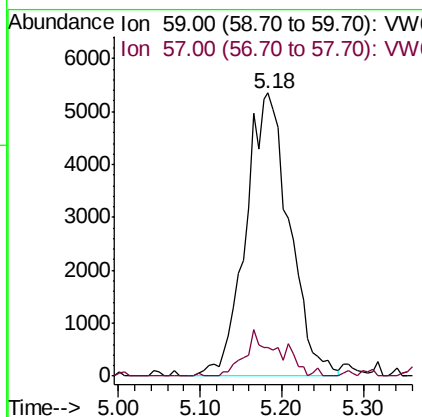
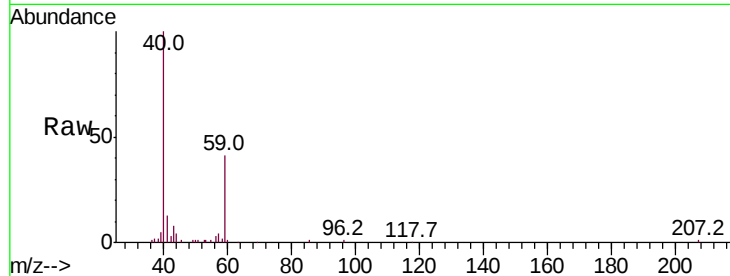
Instrument :
MSVOA_W

ClientSampleId :
VW0319SBS02

Tot Ion	Ratio	Lower	Upper
59	100		
57	9.7	9.4	14.0

Manual Integrations
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#12

1,1-Dichloroethene

Concen: 21.362 ug/l

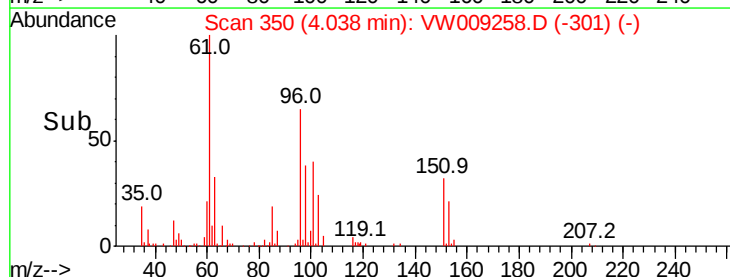
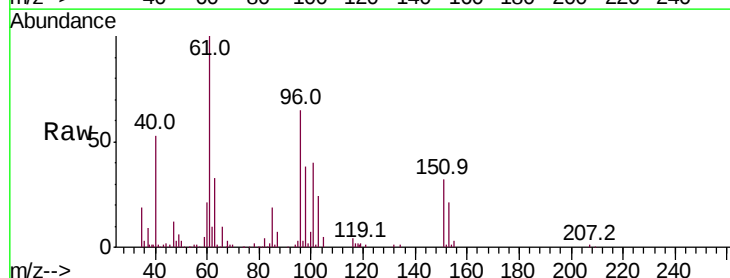
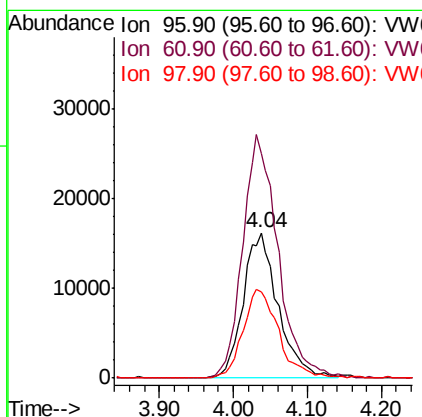
RT: 4.04 min Scan# 350

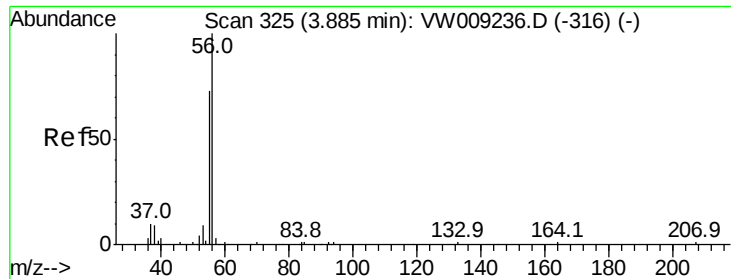
Delta R.T. 0.00 min

Lab File: VW009258.D

Acq: 20 Mar 2019 01:04

Tgt Ion	Ratio	Lower	Upper
96	100		
61	154.6	138.0	207.0
98	59.0	49.8	74.8





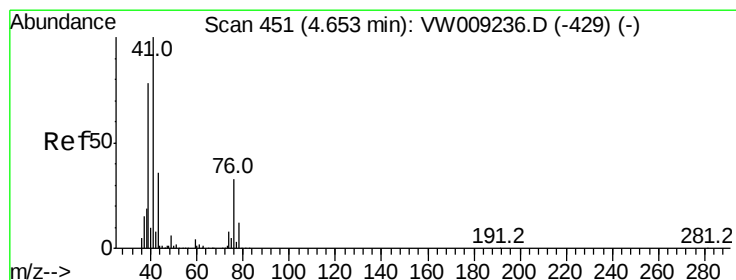
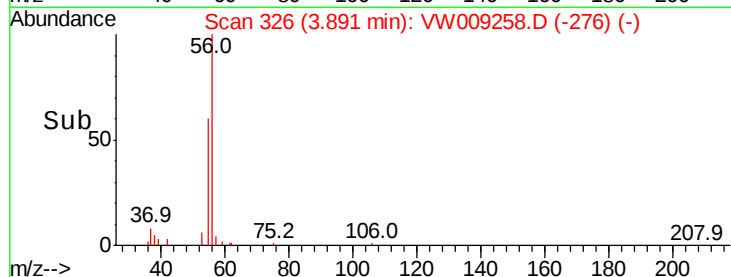
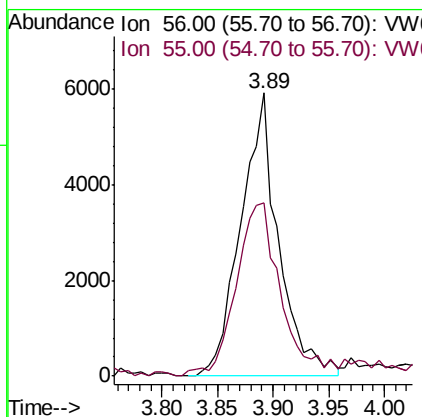
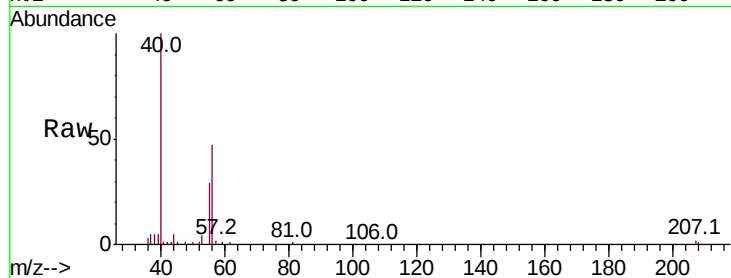
#13
Acrolein
Concen: 106.477 ug/l
RT: 3.89 min Scan# 326
Delta R.T. 0.01 min
Lab File: VW009258.D
Acq: 20 Mar 2019 01:04

Instrument :
MSVOA_W
ClientSampleId :
VW0319SBS02

Tot Ion	56	Resp	13989
Ion Ratio	100	Lower	Upper
55	72.1	55.2	82.8

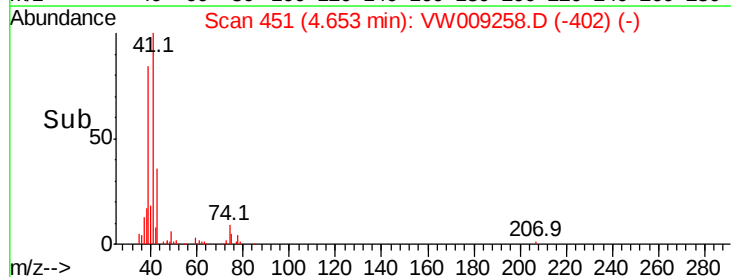
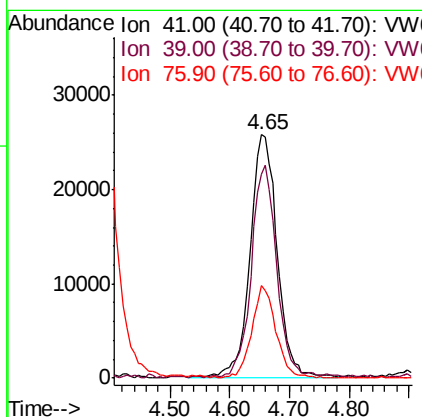
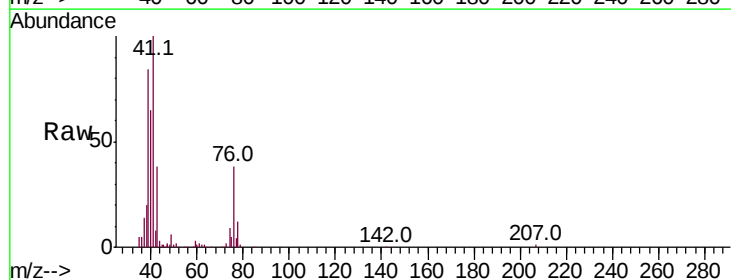
Manual Integrations
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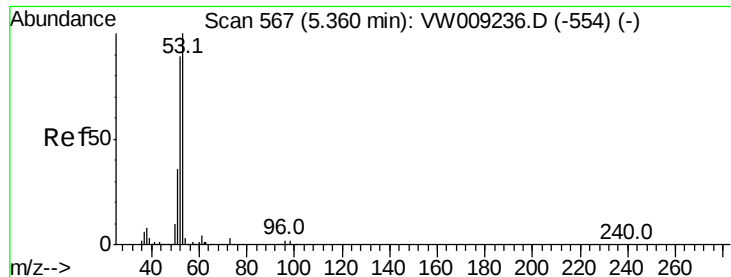
MMDadoda
3/22/2019 3:53:15 AM



#14
Allyl chloride
Concen: 22.238 ug/l
RT: 4.65 min Scan# 451
Delta R.T. 0.00 min
Lab File: VW009258.D
Acq: 20 Mar 2019 01:04

Tgt Ion	41	Resp	81553
Ion Ratio	100	Lower	Upper
39	83.1	63.8	95.6
76	33.9	27.8	41.6





#15

Acrylonitrile

Concen: 126.486 ug/l

RT: 5.36 min Scan# 567

Delta R.T. 0.00 min

Lab File: VW009258.D

Acq: 20 Mar 2019 01:04

Instrument :

MSVOA_W

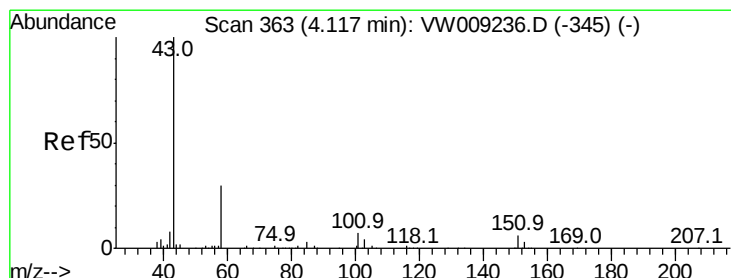
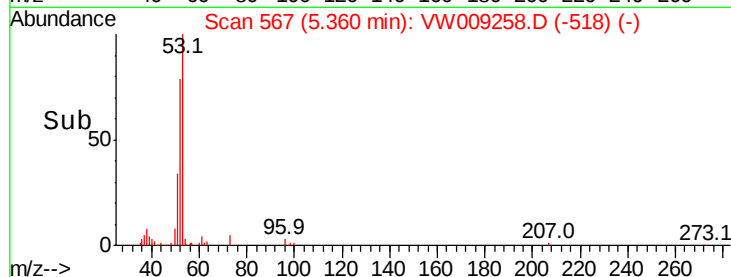
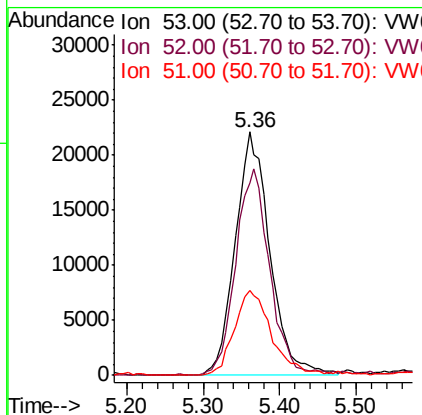
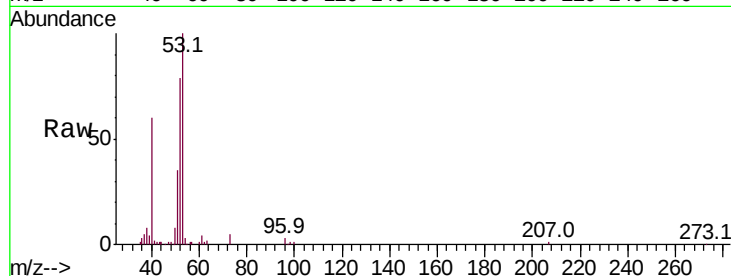
ClientSampleId :

VW0319SBS02

Tot Ion:	53	Resp:	69645
Ion	Ratio	Lower	Upper
53	100		
52	82.9	67.6	101.4
51	37.7	30.6	45.8

Manual Integrations
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MMDadoda
3/22/2019 3:53:15 AM



#16

Acetone

Concen: 106.903 ug/l

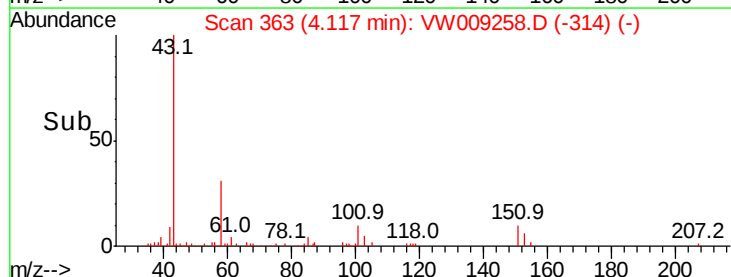
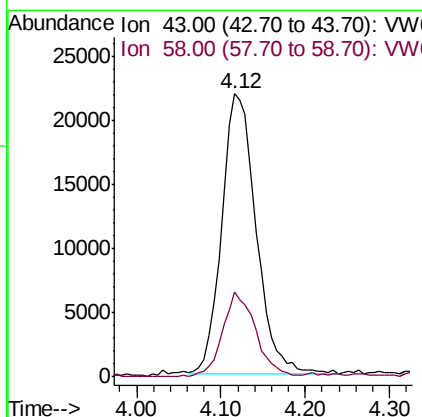
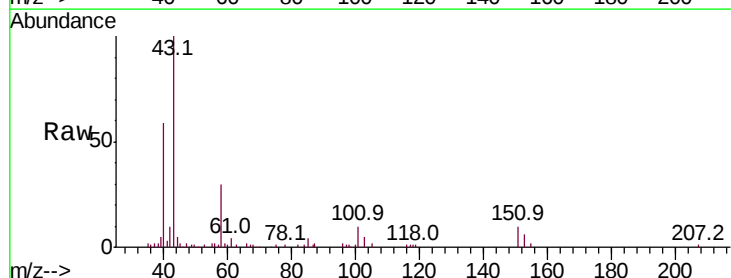
RT: 4.12 min Scan# 363

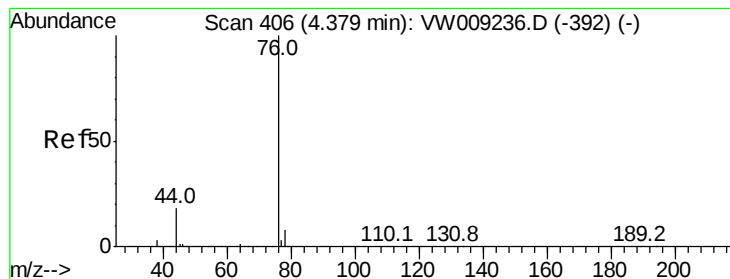
Delta R.T. 0.00 min

Lab File: VW009258.D

Acq: 20 Mar 2019 01:04

Tgt Ion:	43	Resp:	60809
Ion	Ratio	Lower	Upper
43	100		
58	30.1	23.6	35.4





#17

Carbon Disulfide

Concen: 21.205 ug/l

RT: 4.38 min Scan# 406

Delta R.T. 0.00 min

Lab File: VW009258.D

Acq: 20 Mar 2019 01:04

Instrument :

MSVOA_W

ClientSampleId :

VW0319SBS02

Tot Ion: 76 Resp: 147058

Ion Ratio Lower Upper

76 100

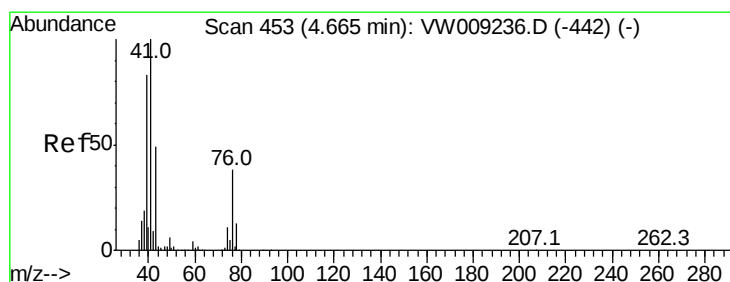
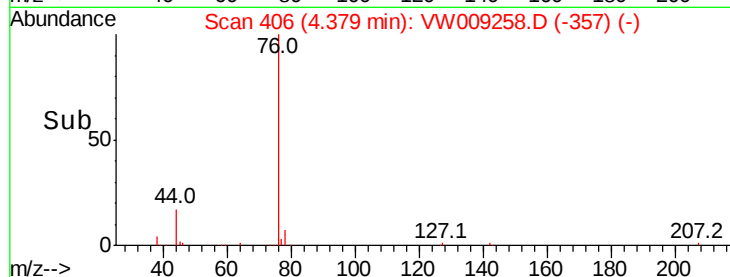
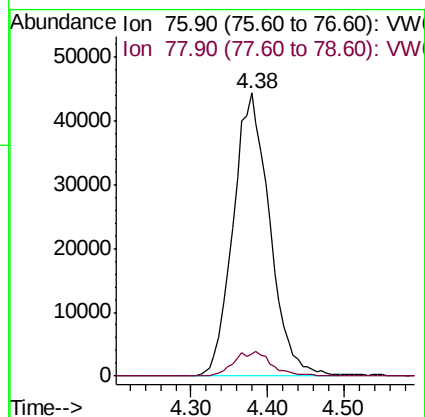
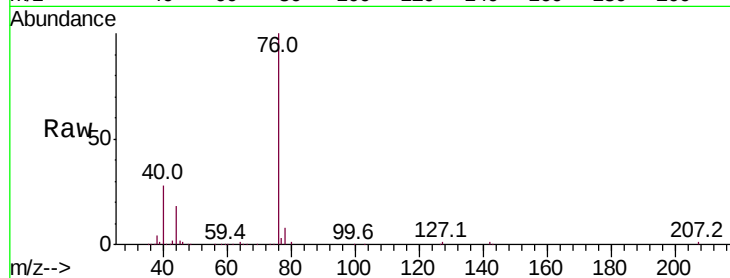
78 7.8 6.6 9.8

Manual Integrations

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MMDadoda

3/22/2019 3:53:15 AM



#18

Methyl Acetate

Concen: 23.268 ug/l

RT: 4.66 min Scan# 452

Delta R.T. -0.01 min

Lab File: VW009258.D

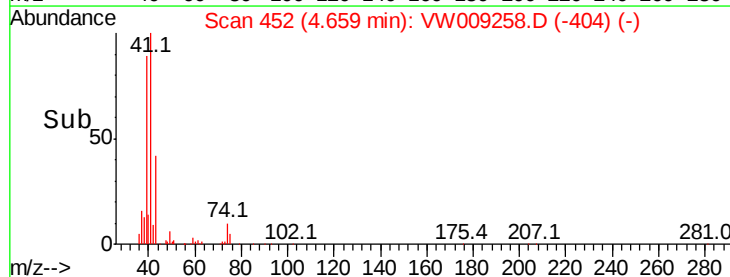
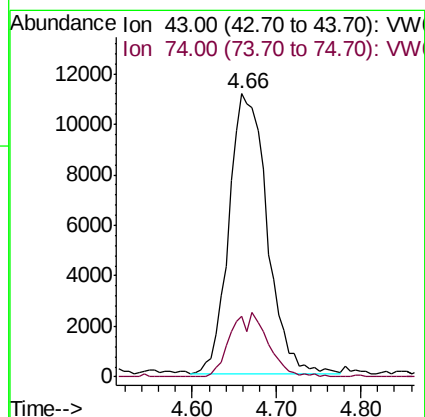
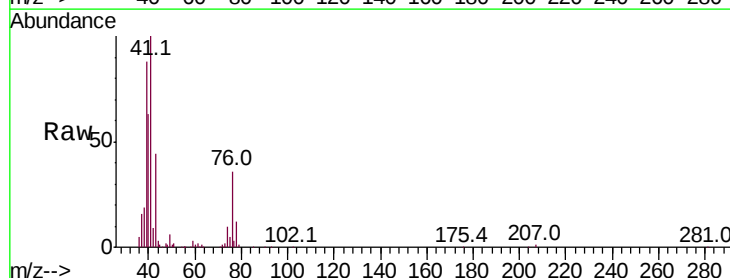
Acq: 20 Mar 2019 01:04

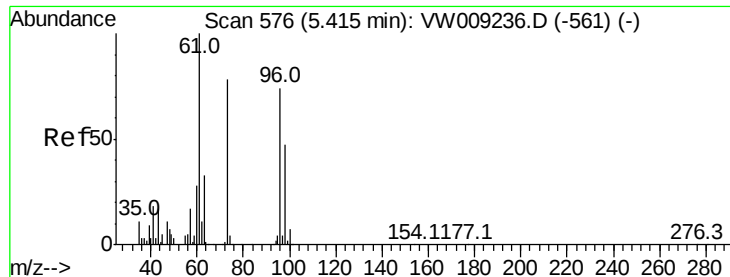
Tgt Ion: 43 Resp: 33968

Ion Ratio Lower Upper

43 100

74 11.4 17.7 26.5#





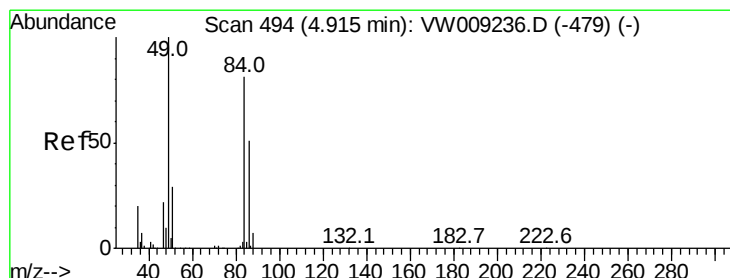
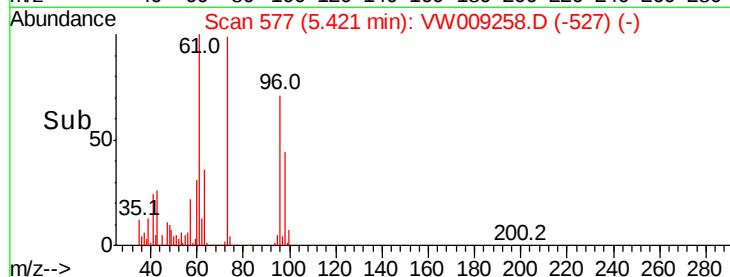
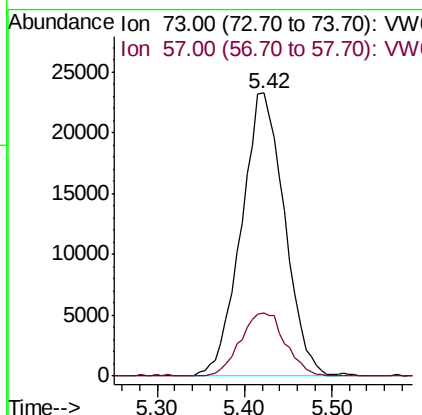
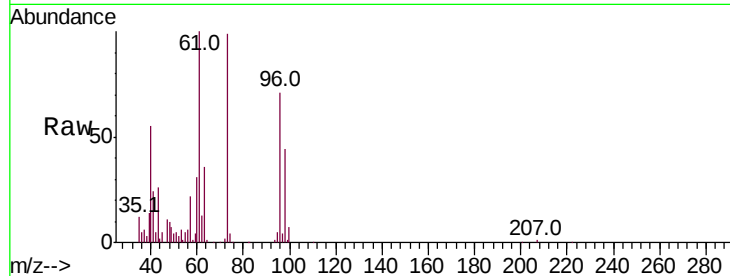
#19
Methvl tert-butvl Ether
Concen: 26.233 ug/l
RT: 5.42 min Scan# 577
Delta R.T. 0.01 min
Lab File: VW009258.D
Acq: 20 Mar 2019 01:04

Instrument :
MSVOA_W
ClientSampleId :
VW0319SBS02

Tot Ion: 73 Resp: 80091
Ion Ratio Lower Upper
73 100
57 22.1 17.0 25.6

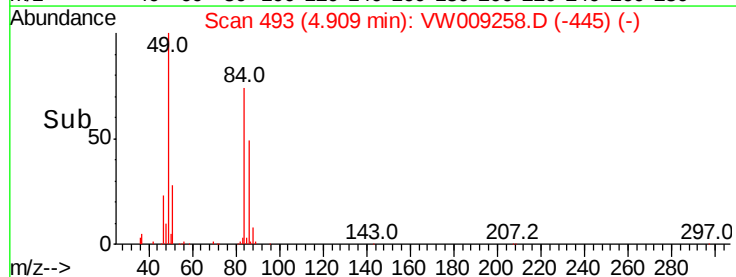
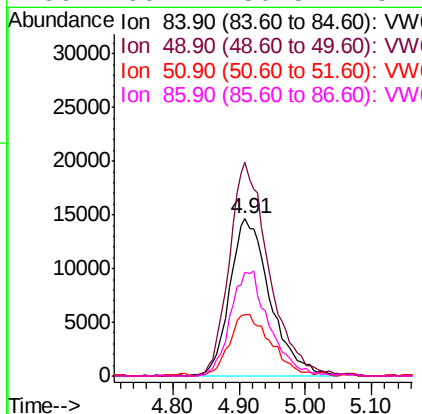
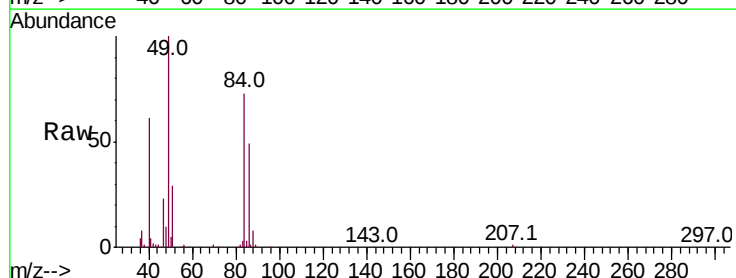
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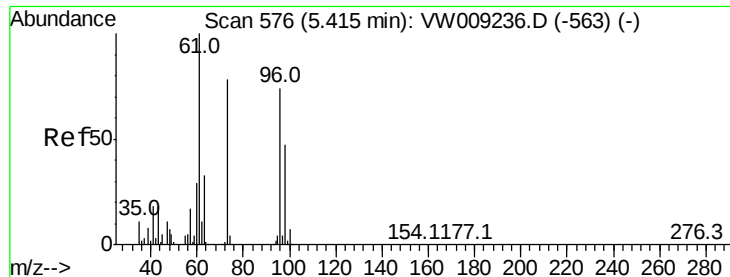
MMDadoda
3/22/2019 3:53:15 AM



#20
Methylene Chloride
Concen: 24.733 ug/l
RT: 4.91 min Scan# 493
Delta R.T. -0.01 min
Lab File: VW009258.D
Acq: 20 Mar 2019 01:04

Tgt Ion: 84 Resp: 62044
Ion Ratio Lower Upper
84 100
49 136.1 99.1 148.7
51 38.8 28.7 43.1
86 66.2 50.5 75.7





#21

trans-1,2-Dichloroethene

Concen: 22.815 ug/l

RT: 5.41 min Scan# 575

Delta R.T. -0.01 min

Lab File: VW009258.D

Acq: 20 Mar 2019 01:04

Instrument :

MSVOA_W

ClientSampleId :

VW0319SBS02

Tot Ion: 96 Resp: 58392

Ion Ratio Lower Upper

96 100

61 132.7 108.2 162.4

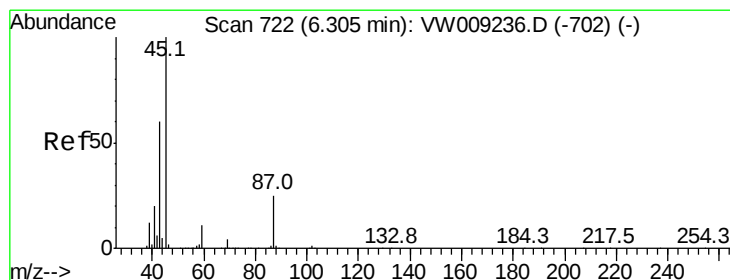
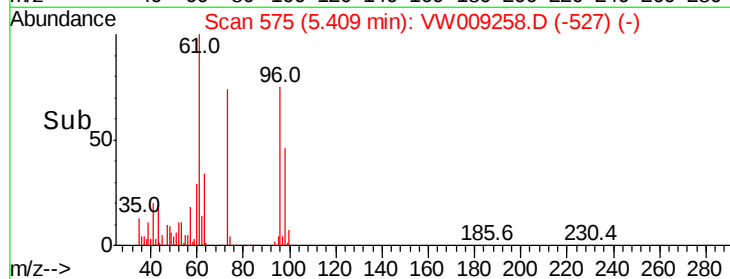
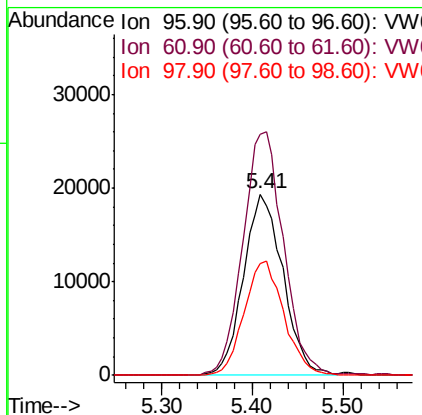
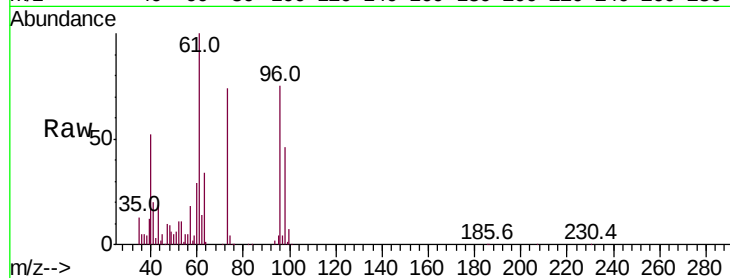
98 61.4 50.9 76.3

Manual Integrations

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MMDadoda

3/22/2019 3:53:15 AM



#22

Diisopropyl ether

Concen: 24.149 ug/l

RT: 6.31 min Scan# 723

Delta R.T. 0.01 min

Lab File: VW009258.D

Acq: 20 Mar 2019 01:04

Tgt Ion: 45 Resp: 190924

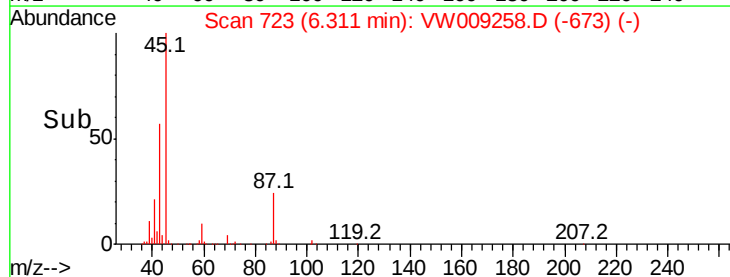
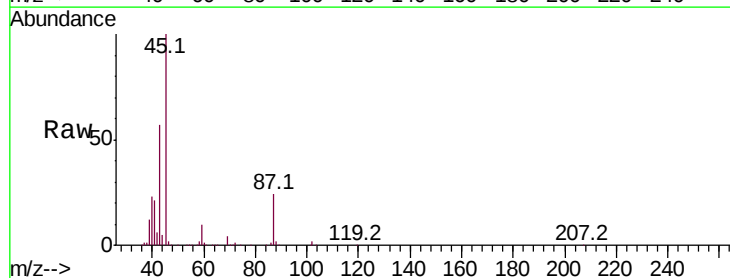
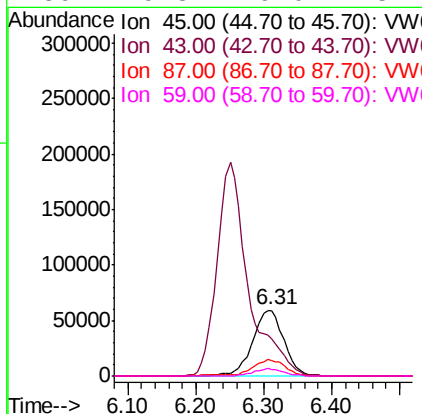
Ion Ratio Lower Upper

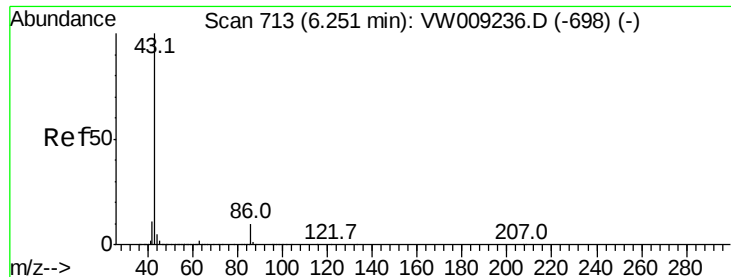
45 100

43 55.6 47.9 71.9

87 23.8 20.6 30.8

59 9.8 9.0 13.4





#23

Vinyl Acetate

Concen: 124.127 ug/l

RT: 6.25 min Scan# 713

Delta R.T. 0.00 min

Lab File: VW009258.D

Acq: 20 Mar 2019 01:04

Instrument :

MSVOA_W

ClientSampleId :

VW0319SBS02

Tot Ion: 43 Resp: 615742

Ion Ratio Lower Upper

43 100

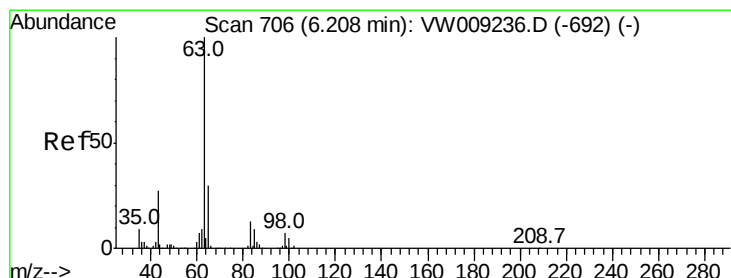
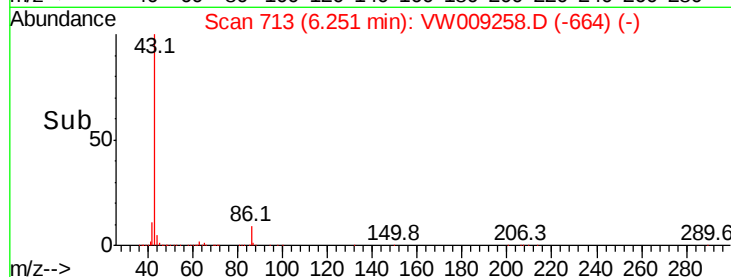
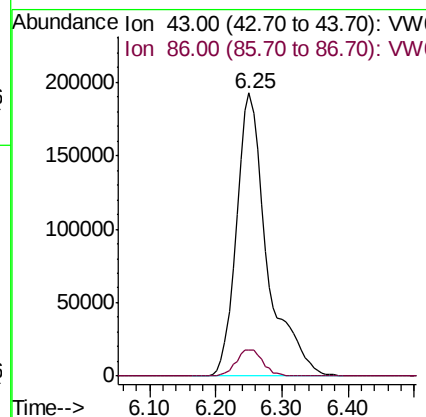
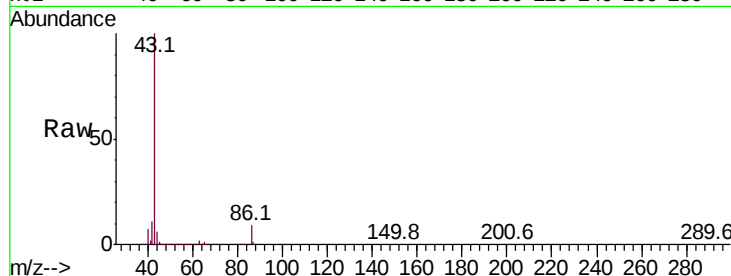
86 9.3 7.7 11.5

Manual Integrations

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MMDadoda

3/22/2019 3:53:15 AM



#24

1,1-Dichloroethane

Concen: 22.975 ug/l

RT: 6.20 min Scan# 705

Delta R.T. -0.01 min

Lab File: VW009258.D

Acq: 20 Mar 2019 01:04

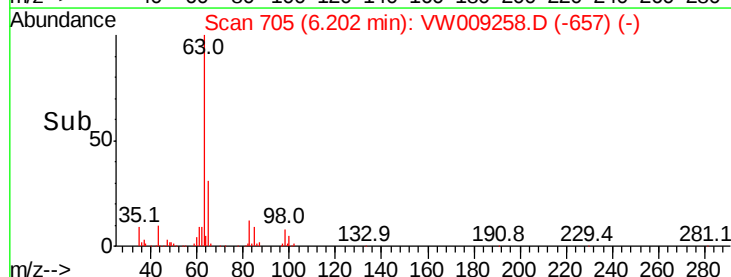
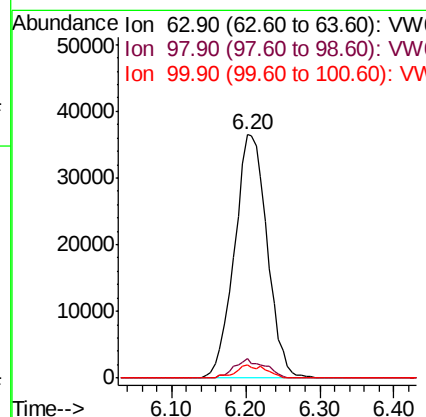
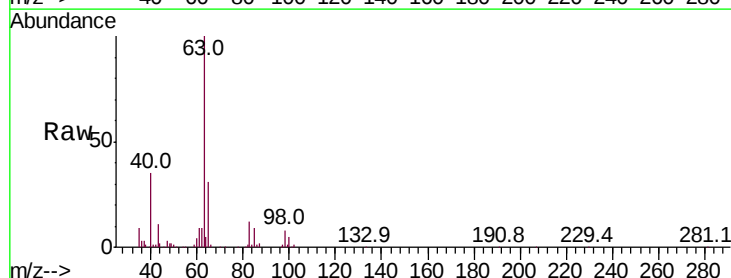
Tgt Ion: 63 Resp: 112103

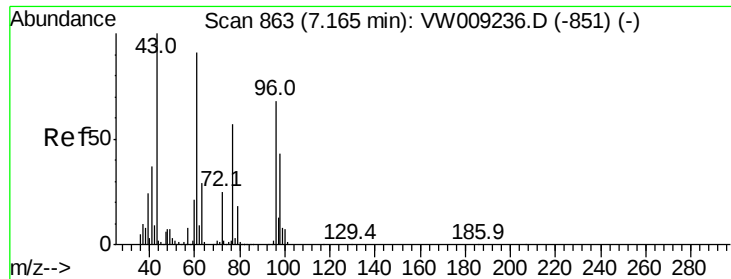
Ion Ratio Lower Upper

63 100

98 8.2 3.7 11.1

100 5.5 2.4 7.1





#25

2-Butanone

Concen: 121.612 ug/l

RT: 7.17 min Scan# 864

Delta R.T. 0.01 min

Lab File: VW009258.D

Acq: 20 Mar 2019 01:04

Instrument :

MSVOA_W

ClientSampleId :

VW0319SBS02

Tot Ion: 43 Resp: 99121

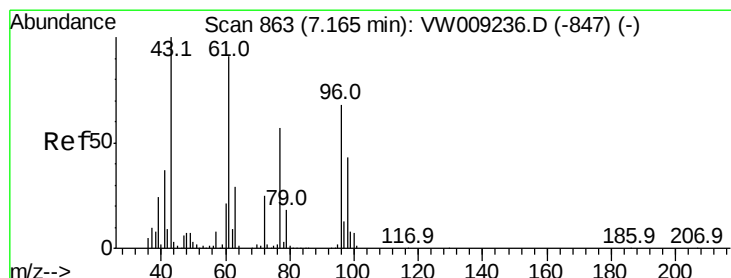
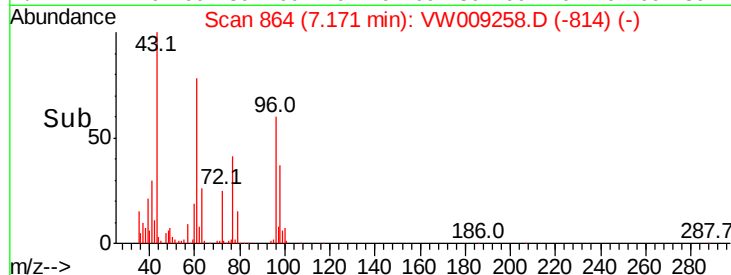
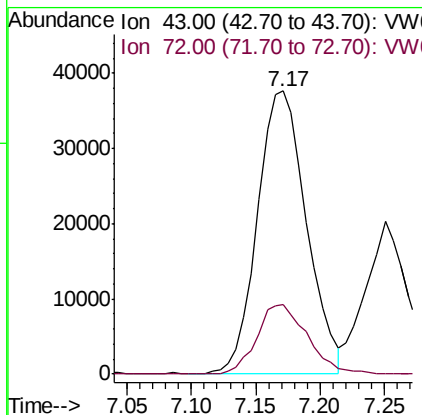
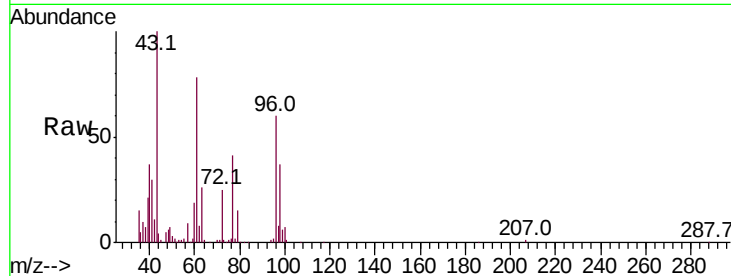
Ion Ratio Lower Upper

43 100

72 24.7 20.0 30.0

Manual Integrations
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MMDadoda
3/22/2019 3:53:15 AM



#26

2,2-Dichloropropane

Concen: 20.088 ug/l

RT: 7.16 min Scan# 862

Delta R.T. -0.01 min

Lab File: VW009258.D

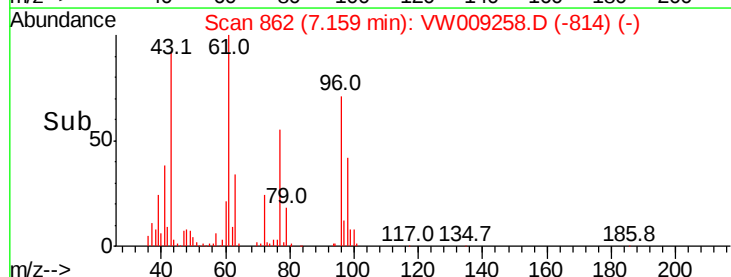
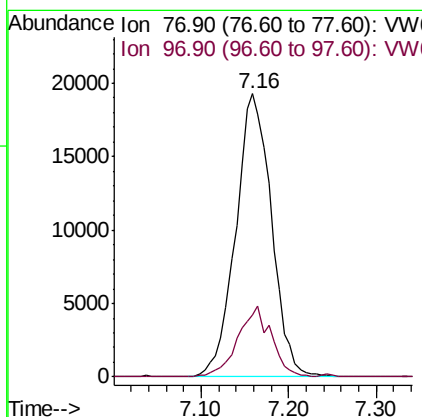
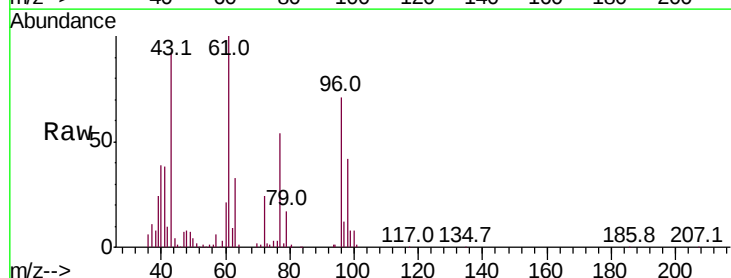
Acq: 20 Mar 2019 01:04

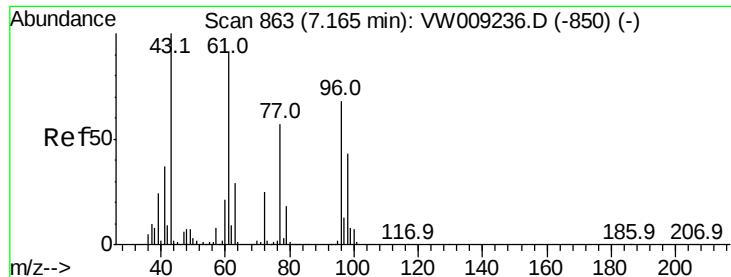
Tgt Ion: 77 Resp: 54765

Ion Ratio Lower Upper

77 100

97 23.5 11.6 34.7





#27

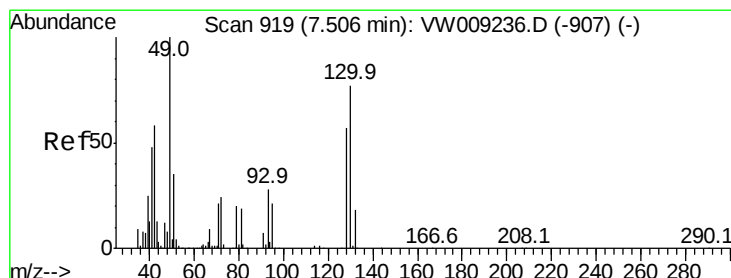
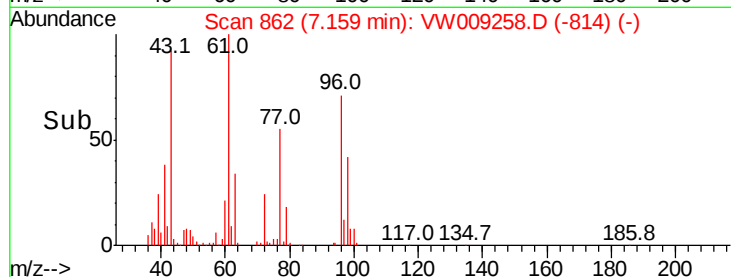
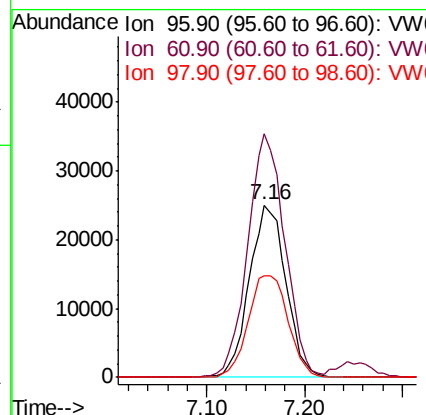
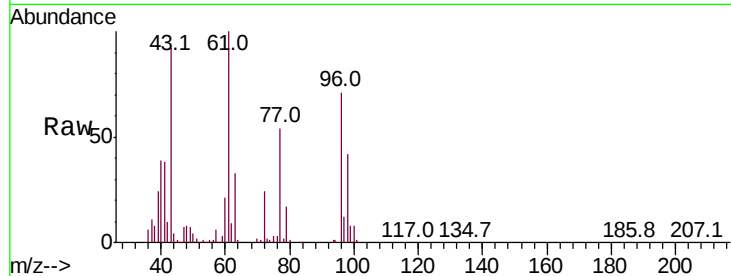
cis-1,2-Dichloroethene
 Concen: 23.460 ug/l
 RT: 7.16 min Scan# 862
 Delta R.T. -0.01 min
 Lab File: VW009258.D
 Acq: 20 Mar 2019 01:04

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0319SBS02

Tot Ion	Ratio	Lower	Upper
96	100		
61	143.3	0.0	289.8
98	64.4	0.0	130.8

Manual Integrations
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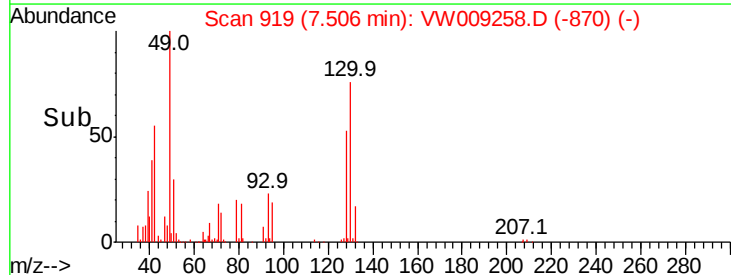
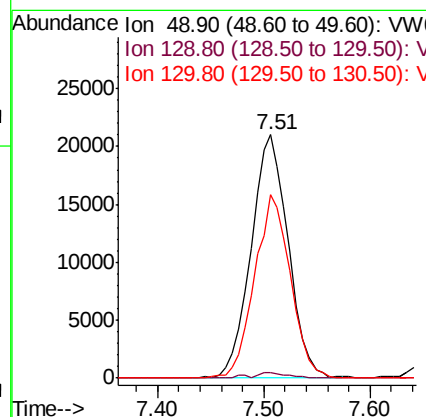
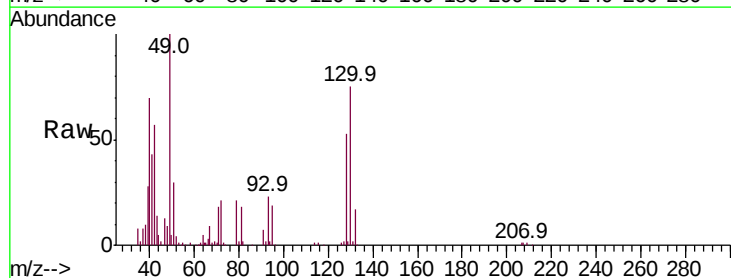
MMDadoda
 3/22/2019 3:53:15 AM

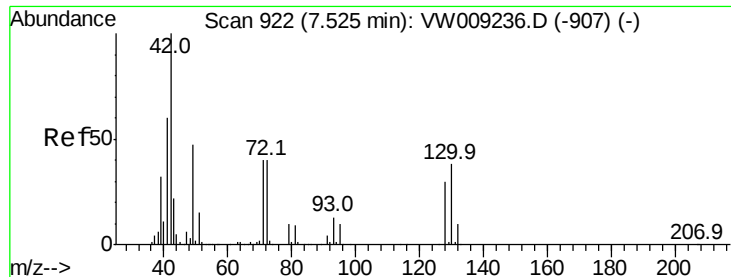


#28

Bromochloromethane
 Concen: 23.946 ug/l
 RT: 7.51 min Scan# 919
 Delta R.T. 0.00 min
 Lab File: VW009258.D
 Acq: 20 Mar 2019 01:04

Tgt Ion	Ratio	Lower	Upper
49	100		
129	1.9	0.0	1.4#
130	73.0	58.6	88.0





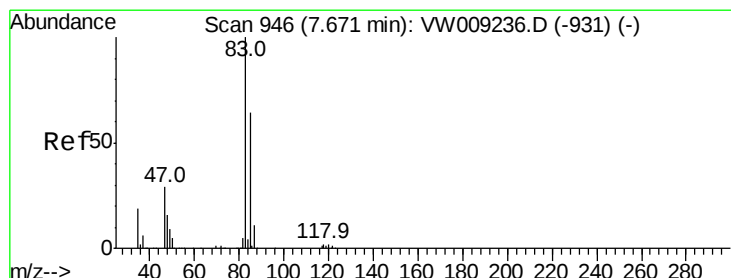
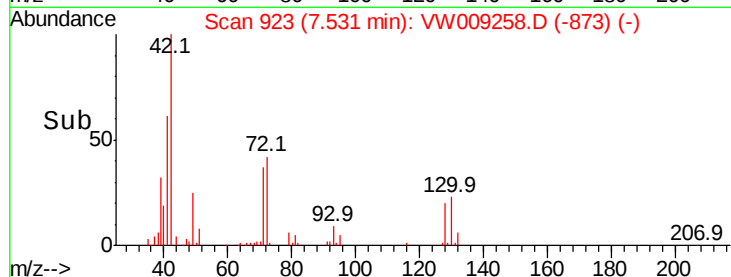
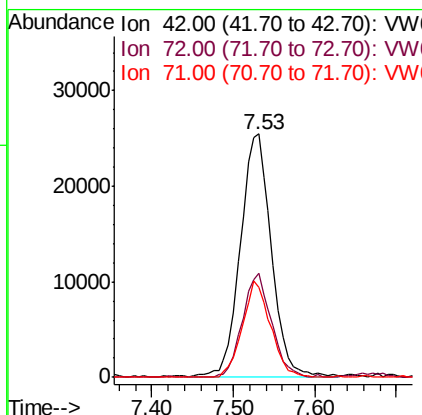
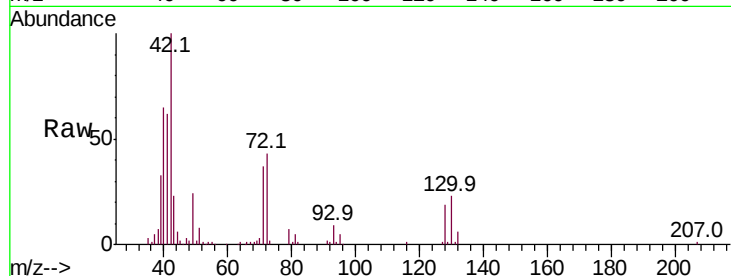
#29
Tetrahydrofuran
Concen: 128.847 ug/l
RT: 7.53 min Scan# 923
Delta R.T. 0.01 min
Lab File: VW009258.D
Acq: 20 Mar 2019 01:04

Instrument :
MSVOA_W
ClientSampleId :
VW0319SBS02

Tot Ion	Ratio	Lower	Upper
42	100		
72	40.3	32.4	48.6
71	36.2	30.1	45.1

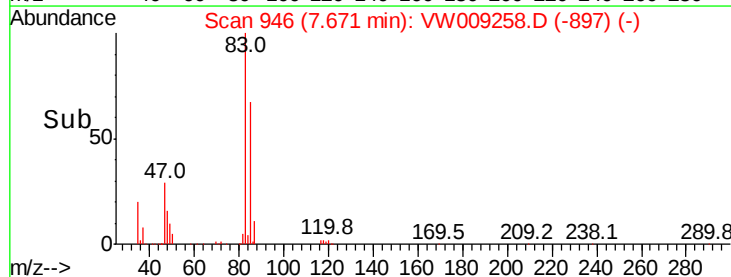
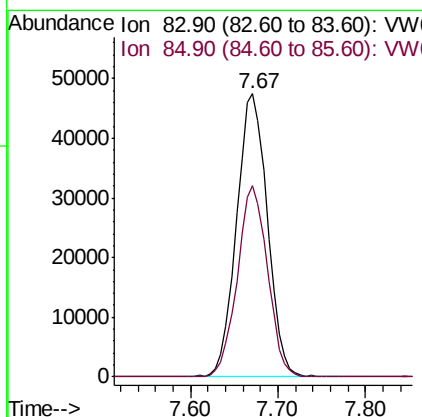
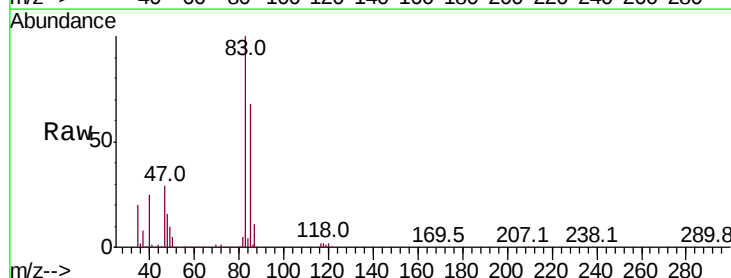
Manual Integrations
APPROVED

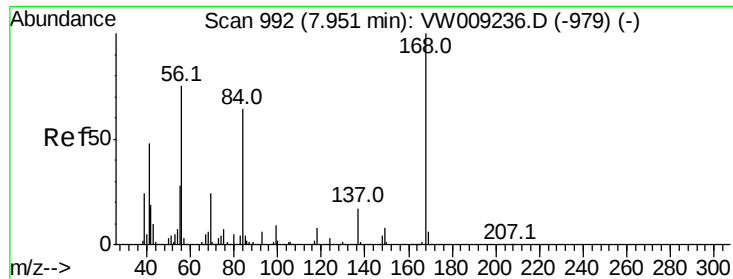
MMDadoda
3/22/2019 3:53:15 AM



#30
Chloroform
Concen: 22.853 ug/l
RT: 7.67 min Scan# 946
Delta R.T. 0.00 min
Lab File: VW009258.D
Acq: 20 Mar 2019 01:04

Tgt Ion	Ratio	Lower	Upper
83	100		
85	67.5	51.0	76.6





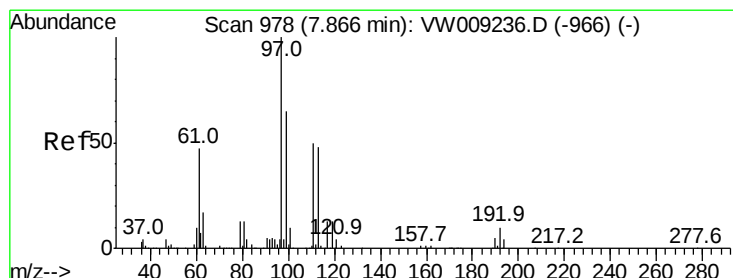
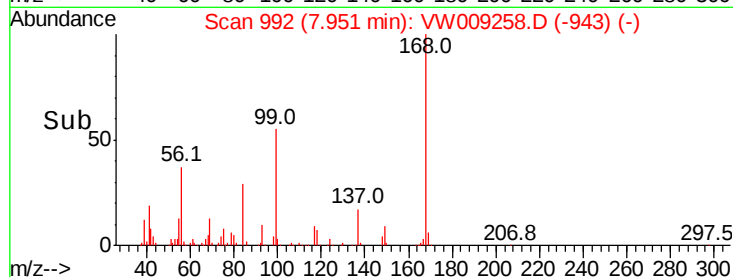
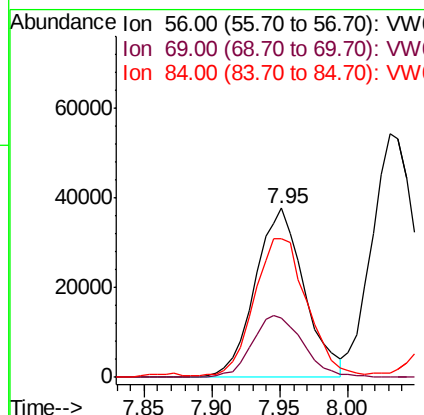
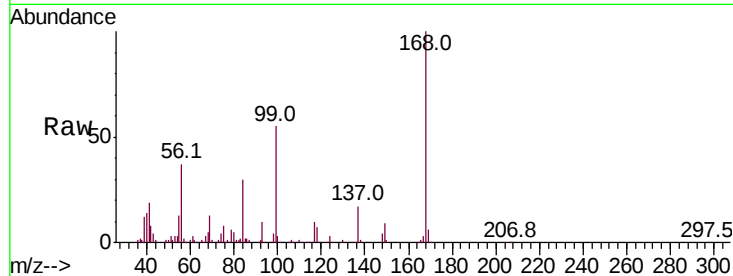
#31
Cvclohexane
Concen: 21.000 ug/l
RT: 7.95 min Scan# 992
Delta R.T. 0.00 min
Lab File: VW009258.D
Acq: 20 Mar 2019 01:04

Instrument :
MSVOA_W
ClientSampleId :
VW0319SBS02

Tot Ion	Ratio	Lower	Upper
56	100		
69	35.3	26.1	39.1
84	81.8	68.6	103.0

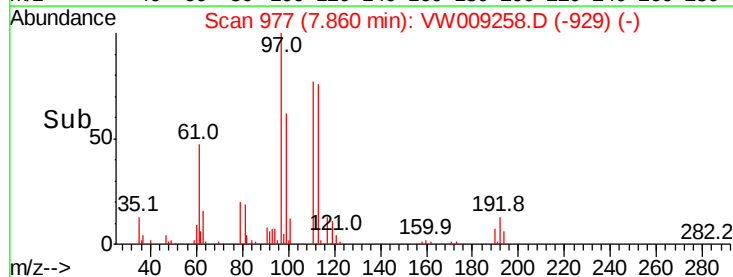
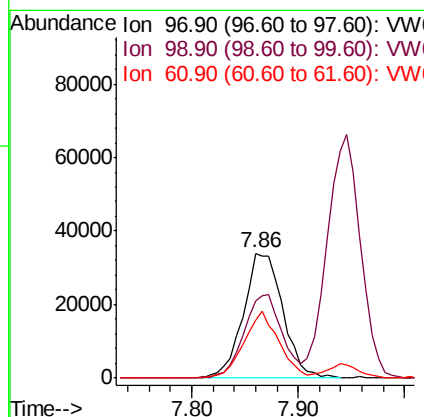
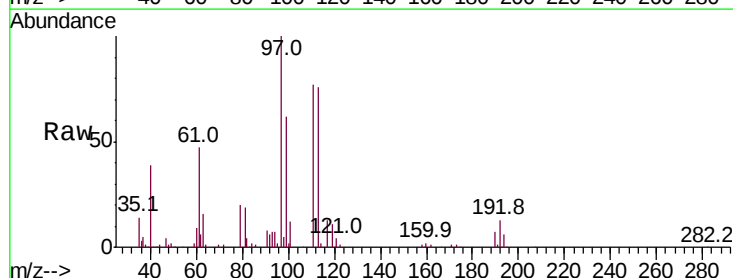
Manual Integrations
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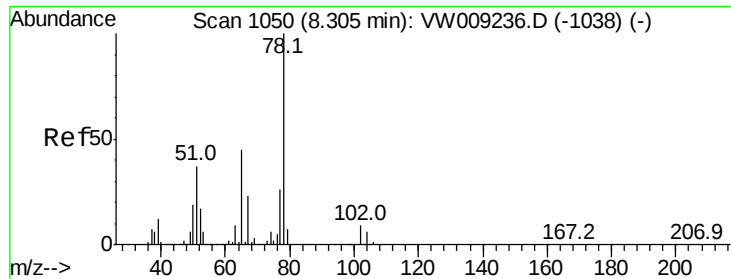
MMDadoda
3/22/2019 3:53:15 AM



#32
1,1,1-Trichloroethane
Concen: 21.745 ug/l
RT: 7.86 min Scan# 977
Delta R.T. -0.01 min
Lab File: VW009258.D
Acq: 20 Mar 2019 01:04

Tgt Ion	Ratio	Lower	Upper
97	100		
99	65.1	51.9	77.9
61	47.8	36.8	55.2





#33

1,2-Dichloroethane-d4

Concen: 56.474 ug/l

RT: 8.30 min Scan# 1049

Delta R.T. -0.01 min

Lab File: VW009258.D

Acq: 20 Mar 2019 01:04

Instrument :

MSVOA_W

ClientSampleId :

VW0319SBS02

Tot Ion: 65 Resp: 156575

Ion Ratio Lower Upper

65 100

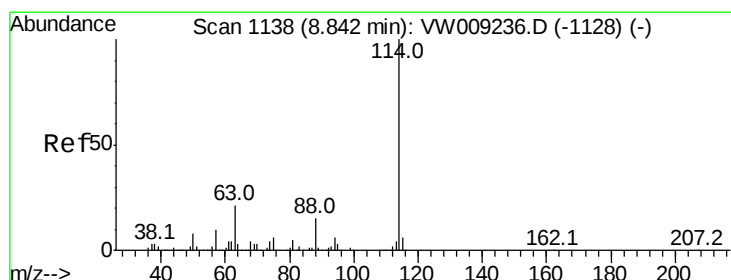
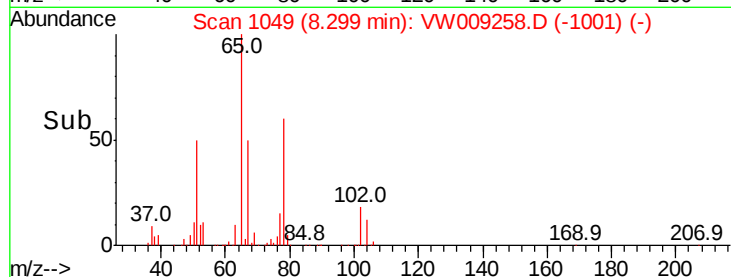
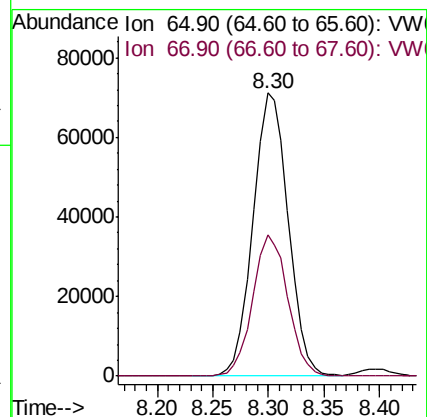
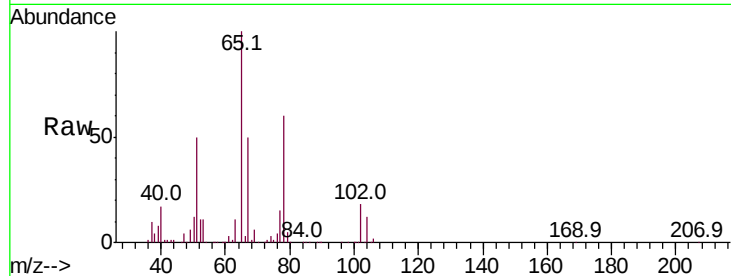
67 49.8 0.0 102.4

Manual Integrations

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3/22/2019 3:53:15 AM



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.84 min Scan# 1138

Delta R.T. 0.00 min

Lab File: VW009258.D

Acq: 20 Mar 2019 01:04

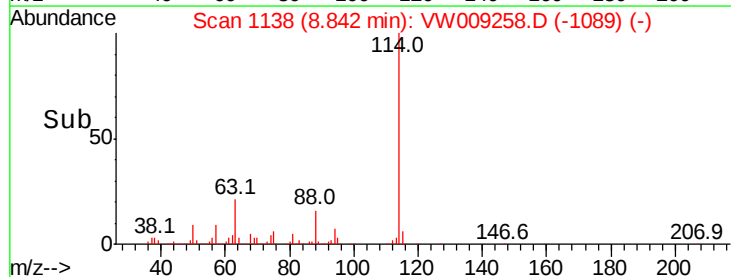
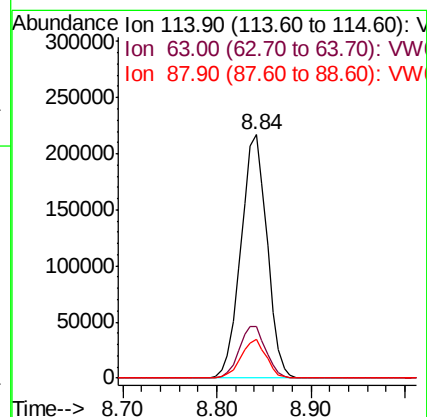
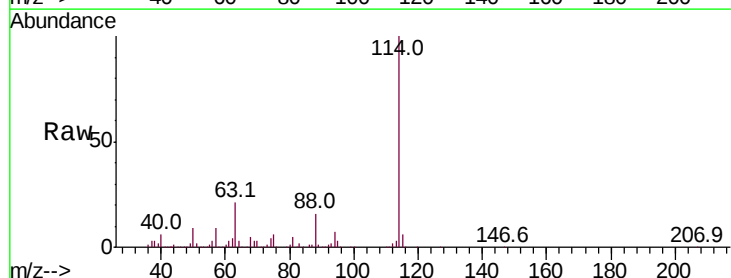
Tgt Ion: 114 Resp: 419181

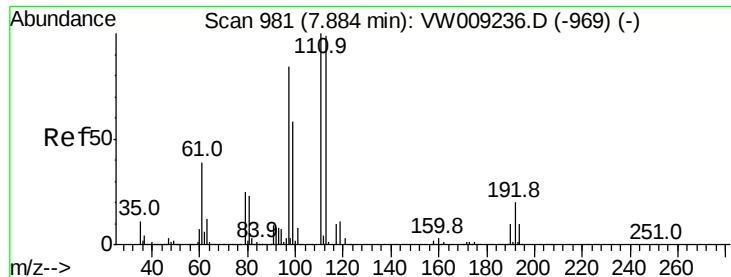
Ion Ratio Lower Upper

114 100

63 21.0 0.0 42.2

88 16.2 0.0 30.8





#35

Dibromofluoromethane

Concen: 51.197 ug/l

RT: 7.88 min Scan# 980

Delta R.T. -0.01 min

Lab File: VW009258.D

Acq: 20 Mar 2019 01:04

Instrument :

MSVOA_W

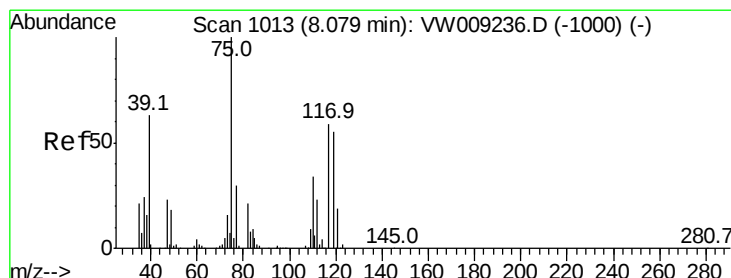
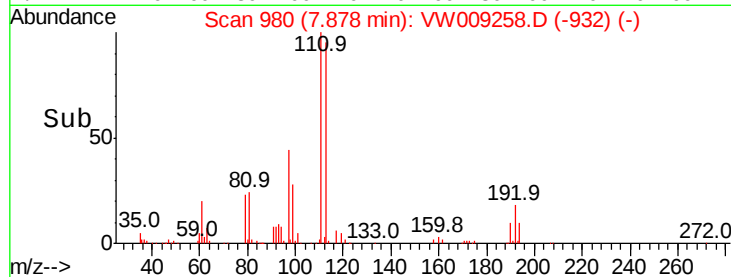
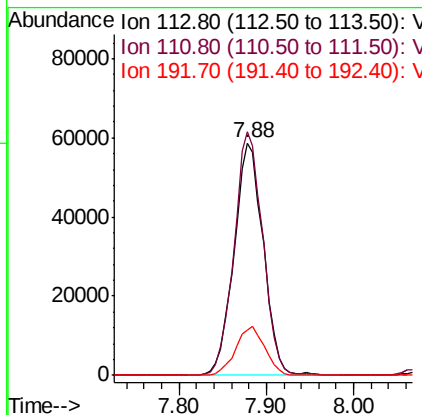
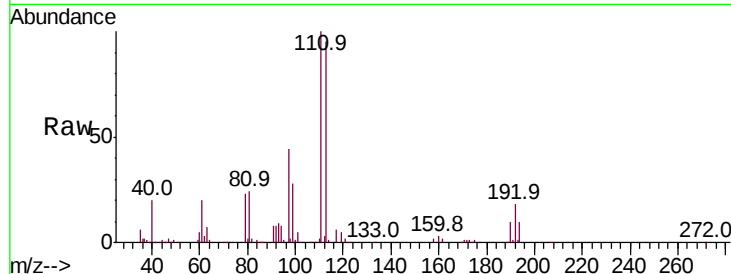
ClientSampleId :

VW0319SBS02

Tot Ion:	113	Resp:	136136
Ion Ratio	Lower	Upper	
113	100		
111	103.7	82.6	124.0
192	21.2	16.4	24.6

Manual Integrations
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#36

1,1-Dichloropropene

Concen: 20.414 ug/l

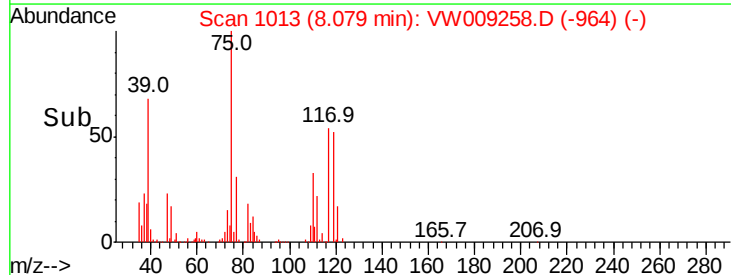
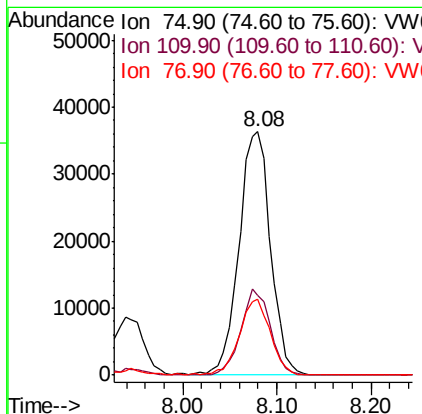
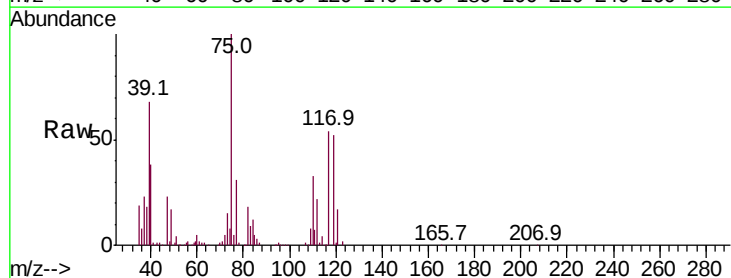
RT: 8.08 min Scan# 1013

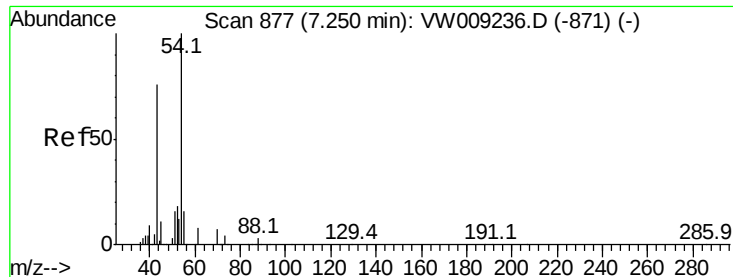
Delta R.T. 0.00 min

Lab File: VW009258.D

Acq: 20 Mar 2019 01:04

Tgt Ion:	75	Resp:	85152
Ion Ratio	Lower	Upper	
75	100		
110	32.8	16.8	50.4
77	30.7	24.6	36.8





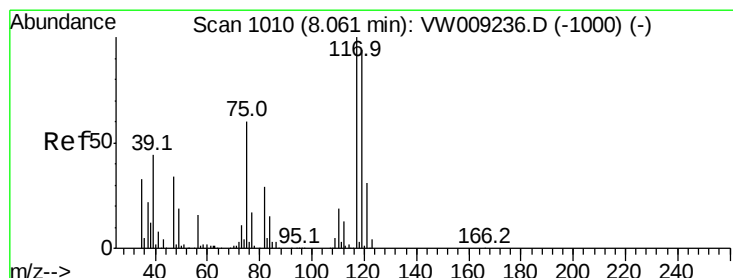
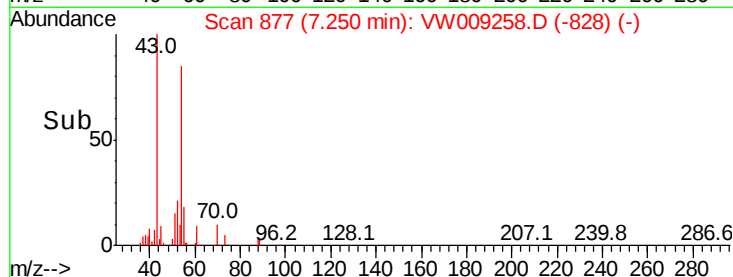
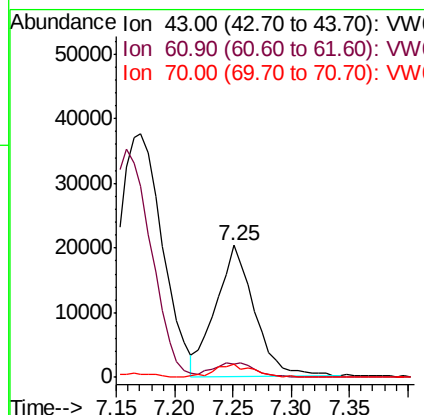
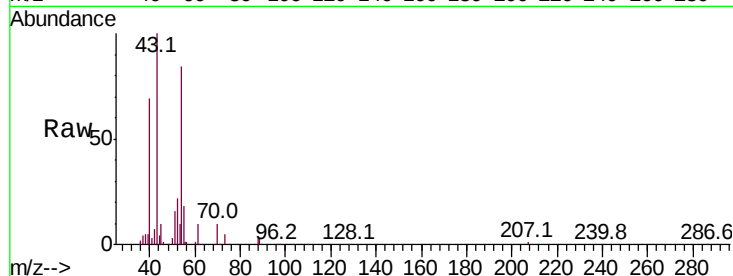
#37
Ethyl Acetate
Concen: 24.437 ug/l
RT: 7.25 min Scan# 877
Delta R.T. 0.00 min
Lab File: VW009258.D
Acq: 20 Mar 2019 01:04

Instrument :
MSVOA_W
ClientSampleId :
VW0319SBS02

Tot Ion	Ratio	Lower	Upper
43	100		
61	12.0	10.0	15.0
70	10.1	7.3	10.9

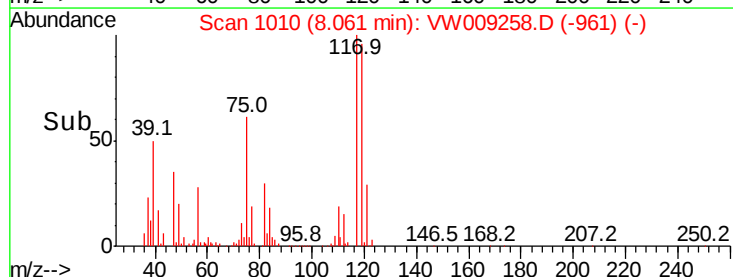
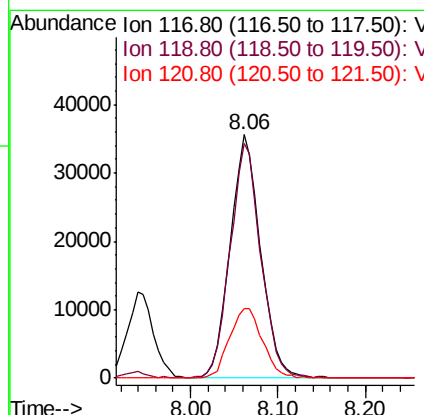
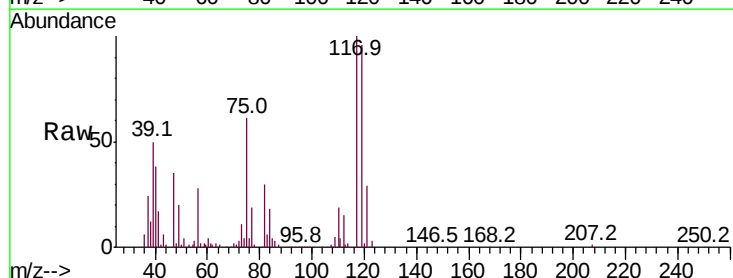
Manual Integrations
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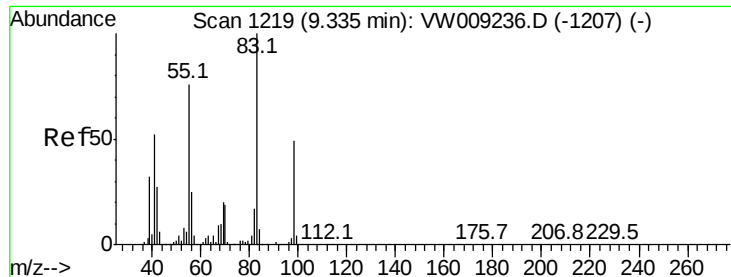
MMDadoda
3/22/2019 3:53:15 AM



#38
Carbon Tetrachloride
Concen: 19.515 ug/l
RT: 8.06 min Scan# 1010
Delta R.T. 0.00 min
Lab File: VW009258.D
Acq: 20 Mar 2019 01:04

Tgt Ion	Ratio	Lower	Upper
117	100		
119	96.4	75.4	113.0
121	28.8	24.9	37.3





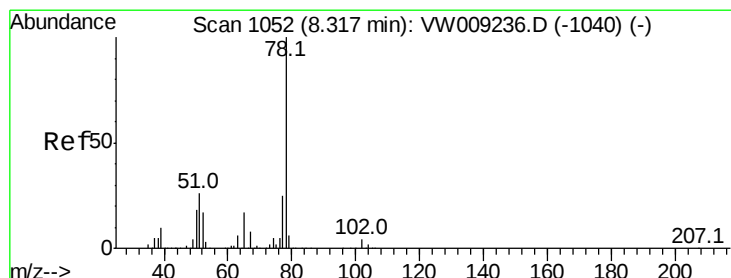
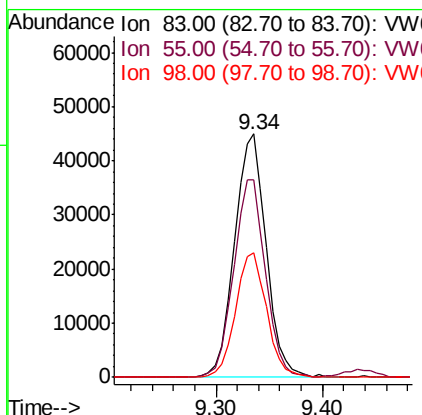
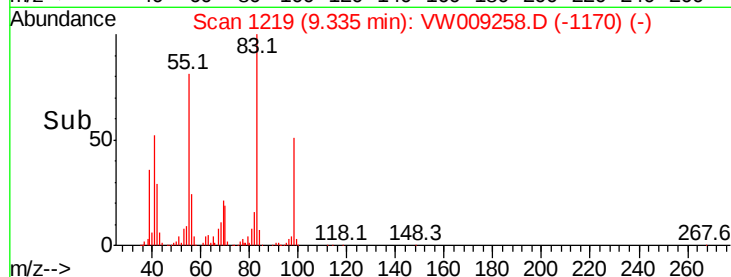
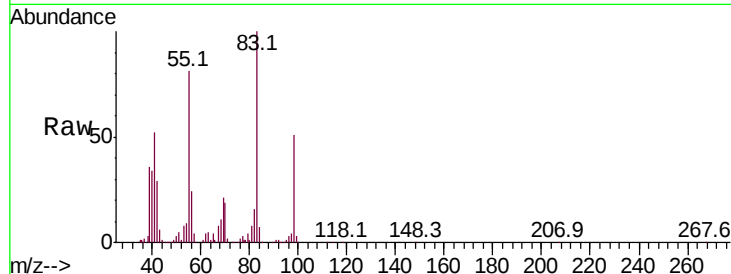
#39
Methvlcvclohexane
Concen: 19.416 ug/l
RT: 9.34 min Scan# 1219
Delta R.T. 0.00 min
Lab File: VW009258.D
Acq: 20 Mar 2019 01:04

Instrument :
MSVOA_W
ClientSampleId :
VW0319SBS02

Tot Ion	Ratio	Lower	Upper
83	100		
55	81.2	61.1	91.7
98	51.0	39.0	58.4

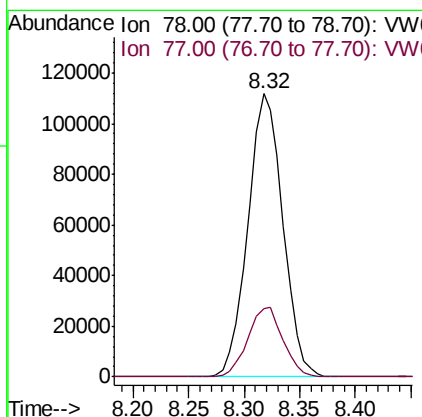
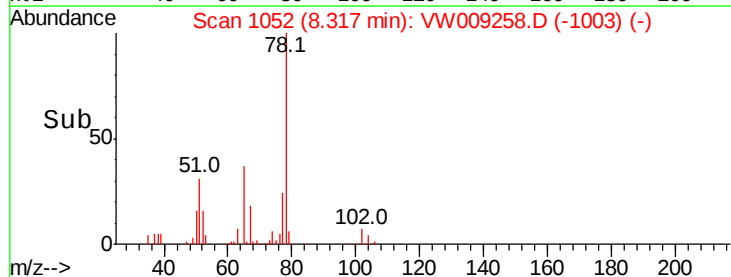
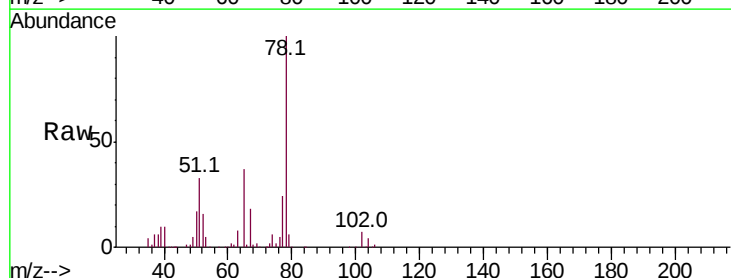
Manual Integrations
APPROVED

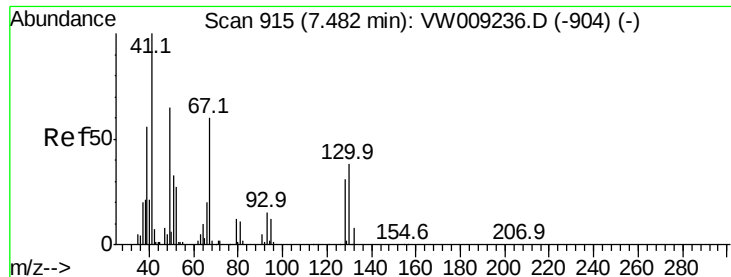
MMDadoda
3/22/2019 3:53:15 AM



#40
Benzene
Concen: 21.604 ug/l
RT: 8.32 min Scan# 1052
Delta R.T. 0.00 min
Lab File: VW009258.D
Acq: 20 Mar 2019 01:04

Tgt Ion	Ratio	Lower	Upper
78	100		
77	24.3	19.8	29.6





#41

Methacrylonitrile

Concen: 26.374 ug/l

RT: 7.48 min Scan# 914

Delta R.T. -0.01 min

Lab File: VW009258.D

Acq: 20 Mar 2019 01:04

Instrument :

MSVOA_W

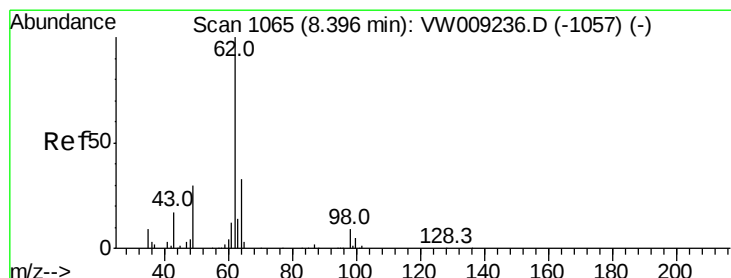
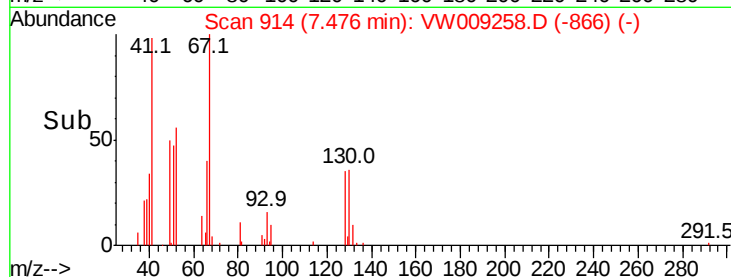
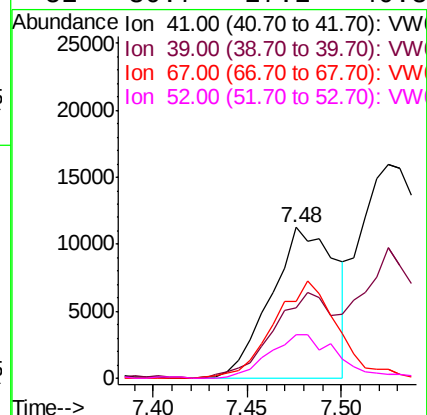
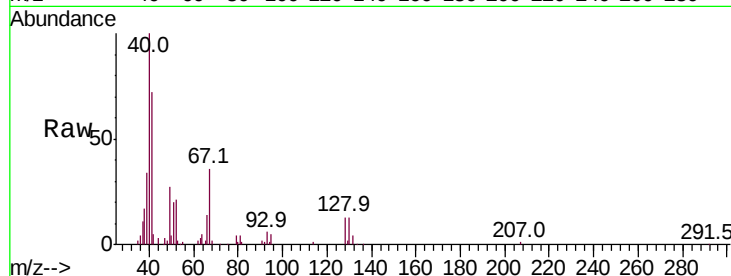
ClientSampleId :

VW0319SBS02

Tot Ion	Ratio	Lower	Upper
41	100		
39	48.8	52.5	78.7#
67	63.4	56.6	84.8
52	30.7	27.2	40.8

Manual Integrations
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3/22/2019 3:53:15 AM



#42

1,2-Dichloroethane

Concen: 23.312 ug/l

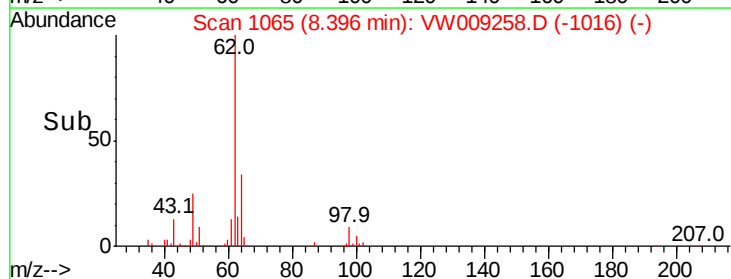
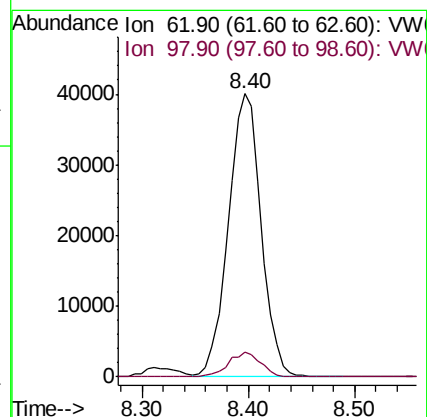
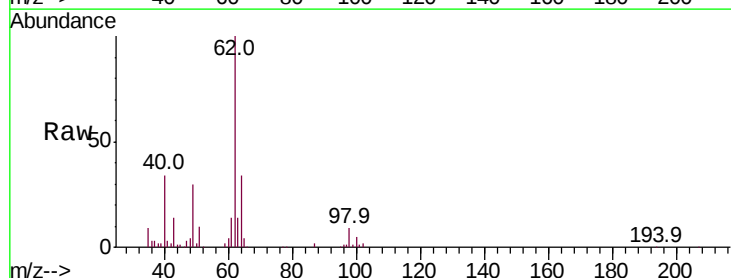
RT: 8.40 min Scan# 1065

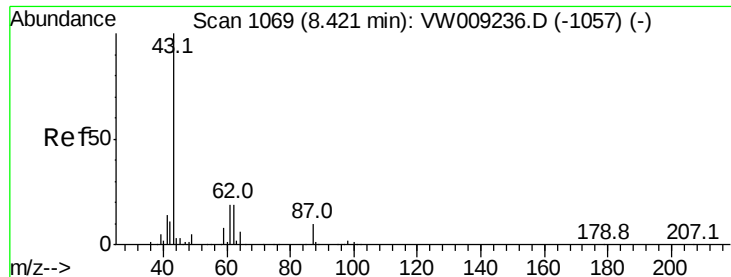
Delta R.T. 0.00 min

Lab File: VW009258.D

Acq: 20 Mar 2019 01:04

Tgt Ion	Ratio	Lower	Upper
62	100		
98	8.7	0.0	17.4





#43

Isopropyl Acetate

Concen: 23.172 ug/l

RT: 8.42 min Scan# 1069

Delta R.T. 0.00 min

Lab File: VW009258.D

Acq: 20 Mar 2019 01:04

Instrument :

MSVOA_W

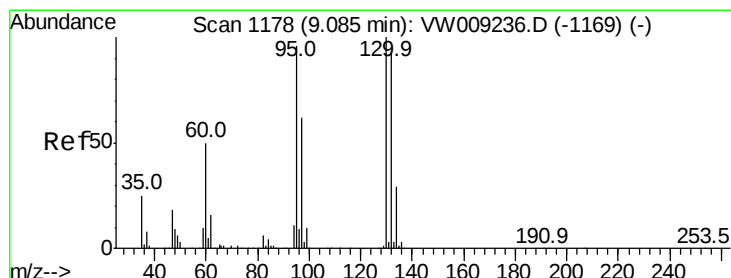
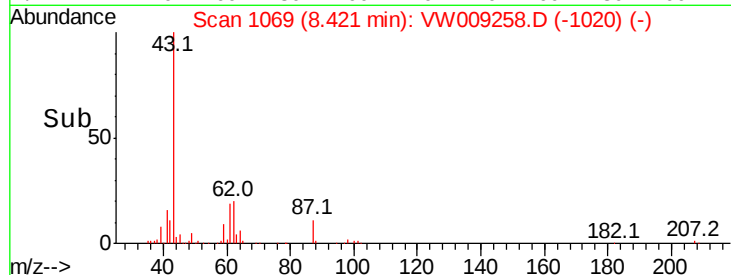
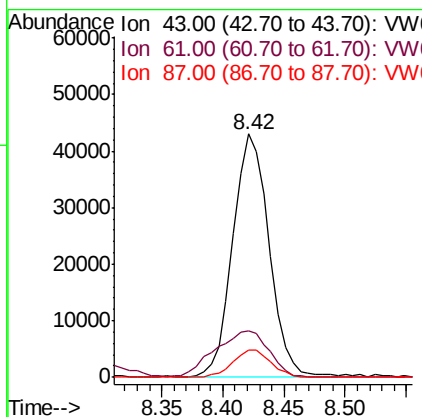
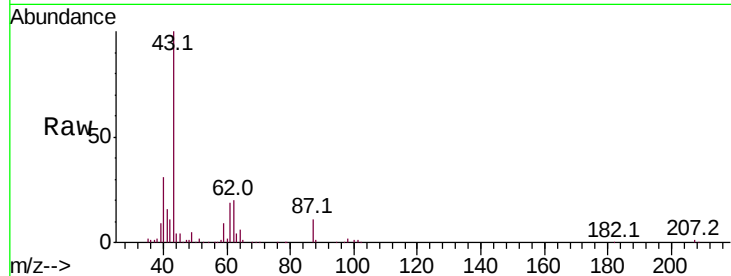
ClientSampleId :

VW0319SBS02

Tot Ion:	43	Resp:	88319
Ion	Ratio	Lower	Upper
43	100		
61	28.5	22.2	33.2
87	11.9	9.6	14.4

Manual Integrations
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3/22/2019 3:53:15 AM



#44

Trichloroethene

Concen: 21.026 ug/l

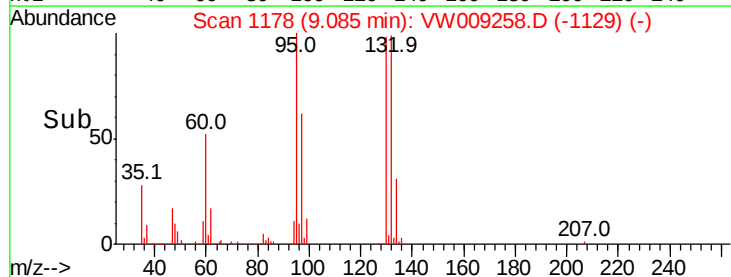
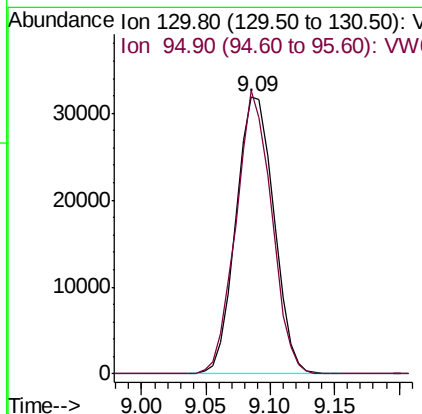
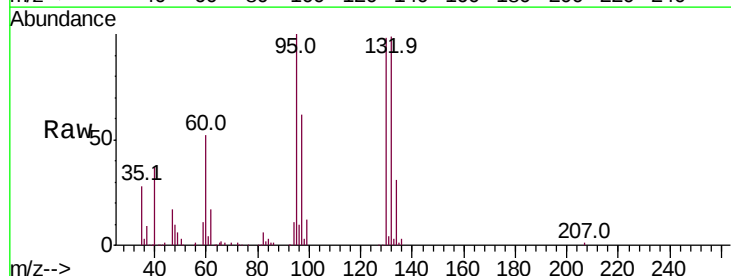
RT: 9.09 min Scan# 1178

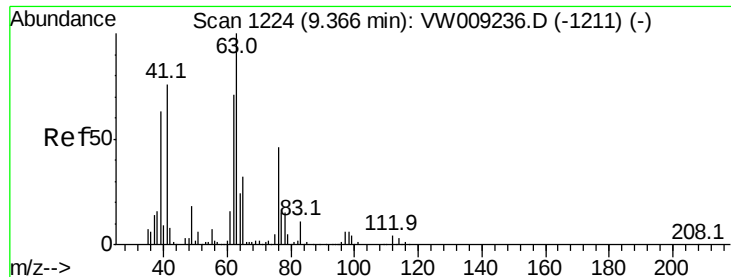
Delta R.T. 0.00 min

Lab File: VW009258.D

Acq: 20 Mar 2019 01:04

Tgt Ion:	130	Resp:	65153
Ion	Ratio	Lower	Upper
130	100		
95	102.0	0.0	192.6





#45

1,2-Dichloropropane

Concen: 22.043 ug/l

RT: 9.37 min Scan# 1224

Delta R.T. 0.00 min

Lab File: VW009258.D

Acq: 20 Mar 2019 01:04

Instrument :

MSVOA_W

ClientSampleId :

VW0319SBS02

Tot Ion: 63 Resp: 63384

Ion Ratio Lower Upper

63 100

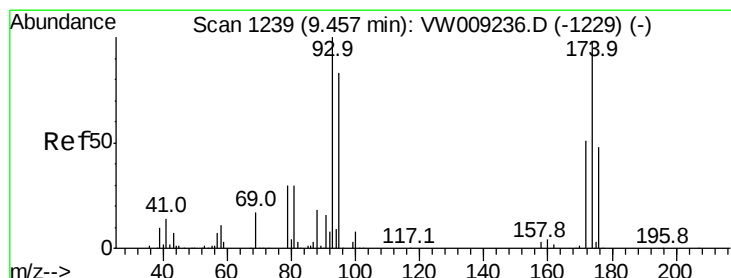
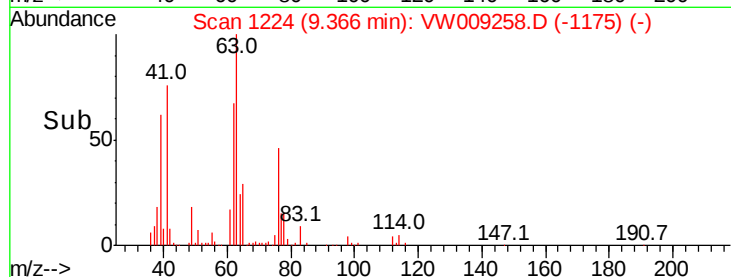
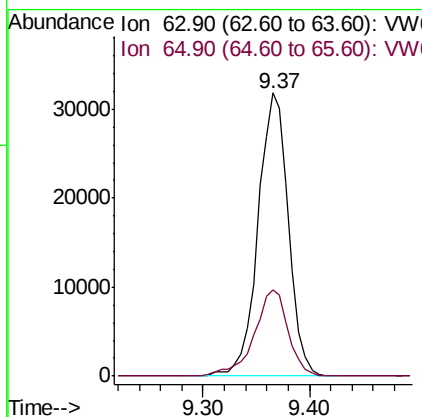
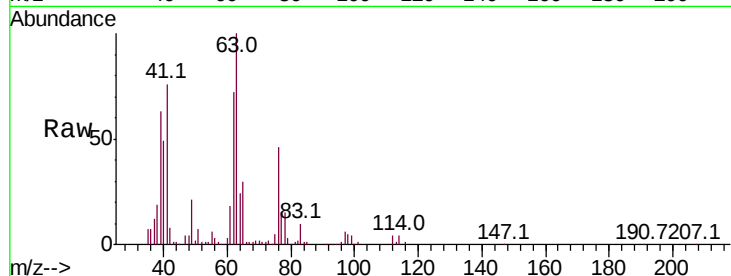
65 30.3 25.8 38.8

Manual Integrations

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MMDadoda

3/22/2019 3:53:15 AM



#46

Dibromomethane

Concen: 23.537 ug/l

RT: 9.45 min Scan# 1238

Delta R.T. -0.01 min

Lab File: VW009258.D

Acq: 20 Mar 2019 01:04

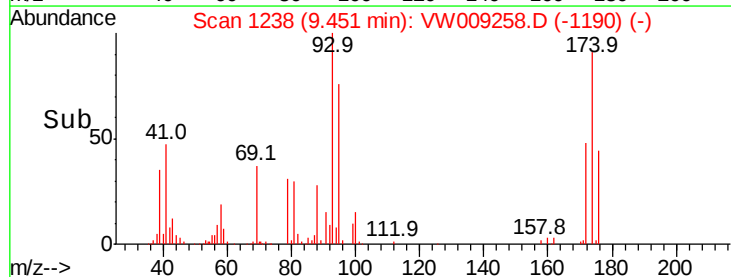
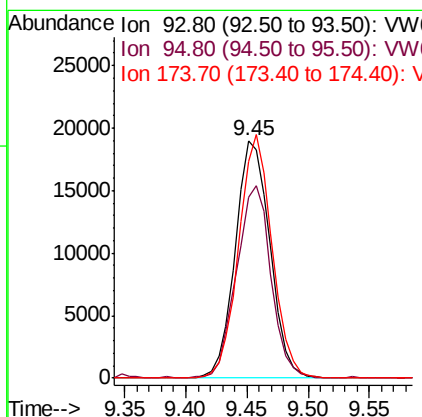
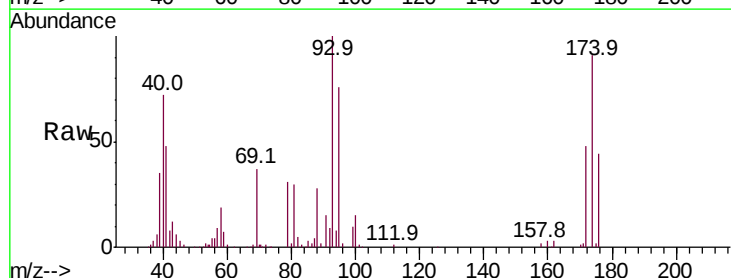
Tgt Ion: 93 Resp: 37218

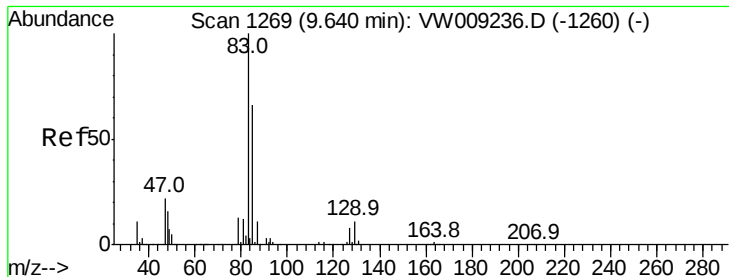
Ion Ratio Lower Upper

93 100

95 80.8 66.9 100.3

174 99.0 80.8 121.2





#47

Bromodichloromethane

Concen: 22.153 ug/l

RT: 9.64 min Scan# 1269

Delta R.T. 0.00 min

Lab File: VW009258.D

Acq: 20 Mar 2019 01:04

Instrument :

MSVOA_W

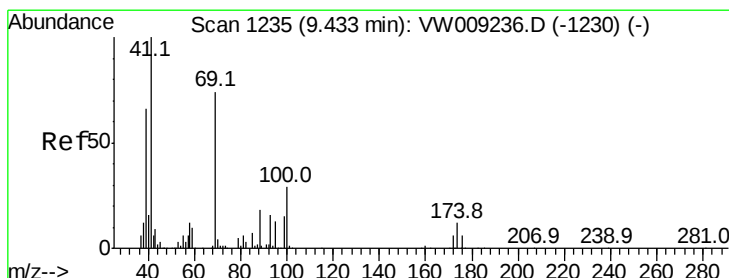
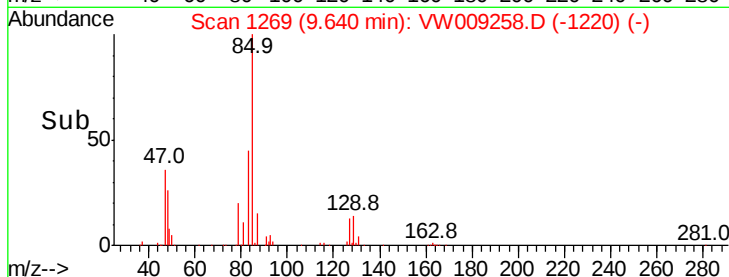
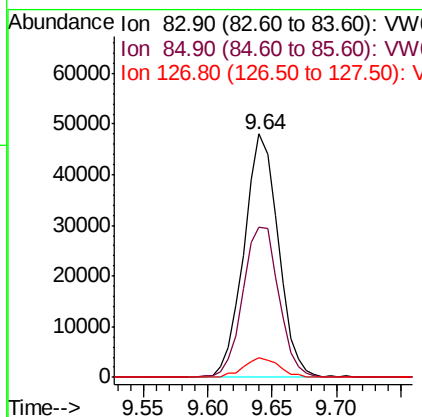
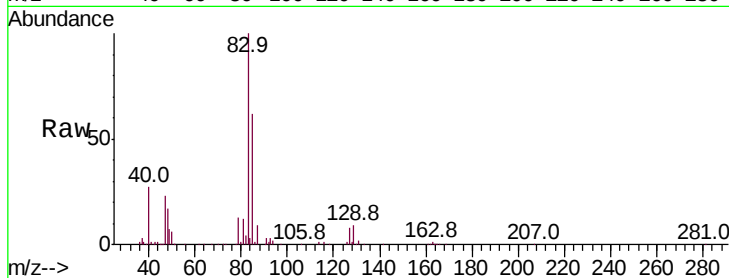
ClientSampleId :

VW0319SBS02

Tot Ion:	83	Resp:	88520
Ion	Ratio	Lower	Upper
83	100		
85	61.5	52.6	79.0
127	8.1	6.5	9.7

Manual Integrations
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3/22/2019 3:53:15 AM



#48

Methyl methacrylate

Concen: 23.352 ug/l

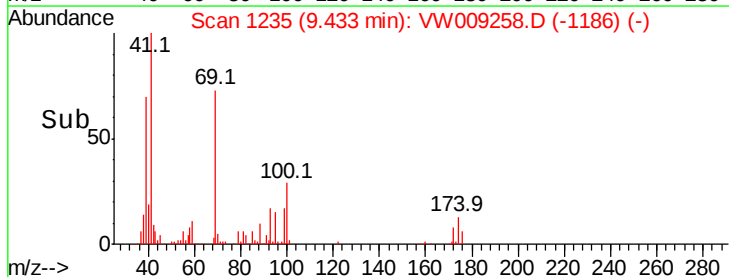
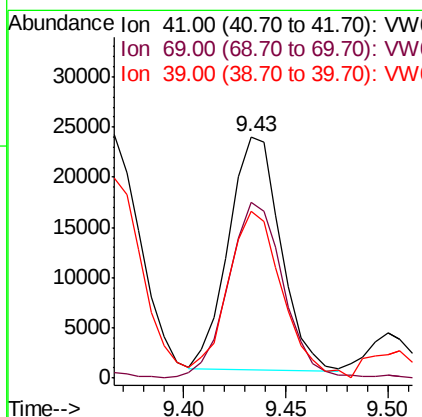
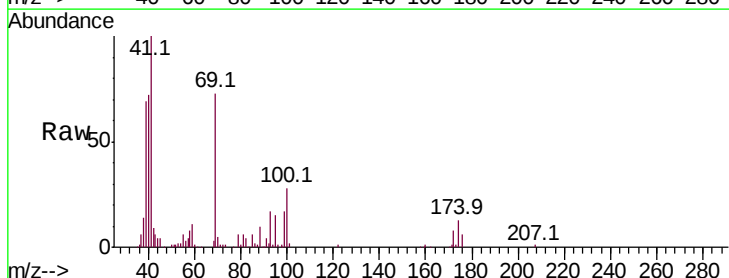
RT: 9.43 min Scan# 1235

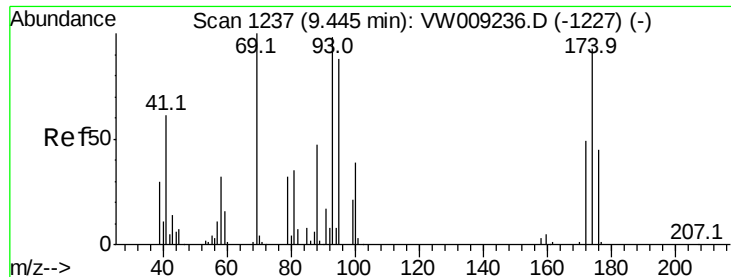
Delta R.T. 0.00 min

Lab File: VW009258.D

Acq: 20 Mar 2019 01:04

Tgt Ion:	41	Resp:	41208
Ion	Ratio	Lower	Upper
41	100		
69	78.5	63.0	94.6
39	75.0	57.2	85.8





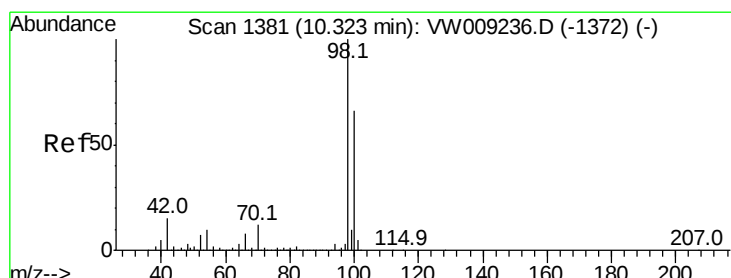
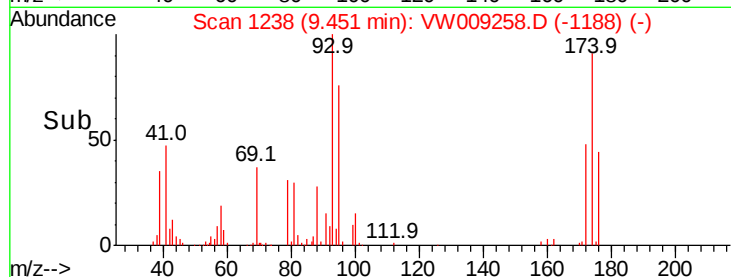
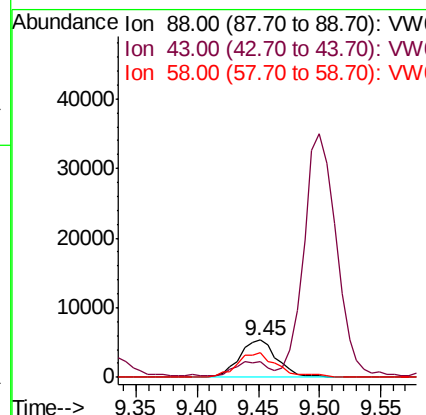
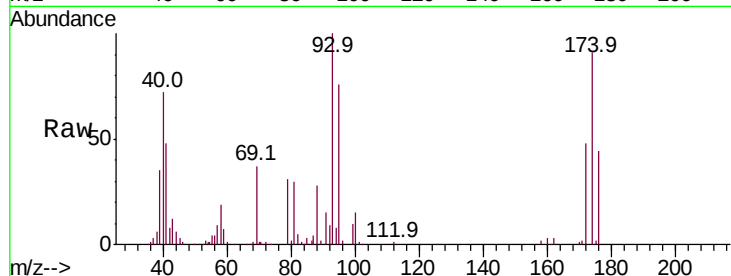
#49
1,4-Dioxane
Concen: 463.629 ug/l
RT: 9.45 min Scan# 1238
Delta R.T. 0.01 min
Lab File: VW009258.D
Acq: 20 Mar 2019 01:04

Instrument :
MSVOA_W
ClientSampleId :
VW0319SBS02

Tot Ion	88	Resp	11371
Ion Ratio	100	Lower	Upper
88	100		
43	35.4	29.7	44.5
58	72.4	58.1	87.1

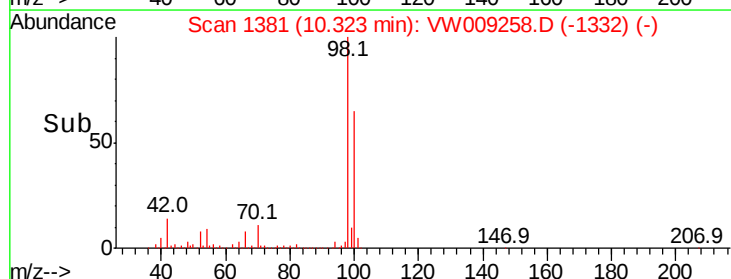
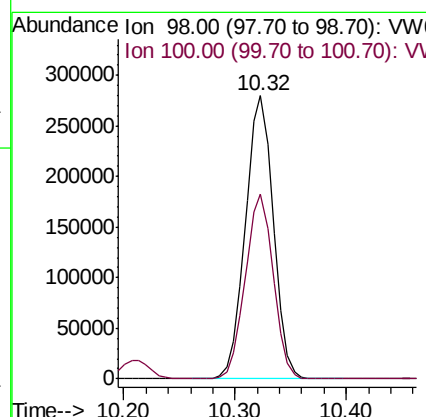
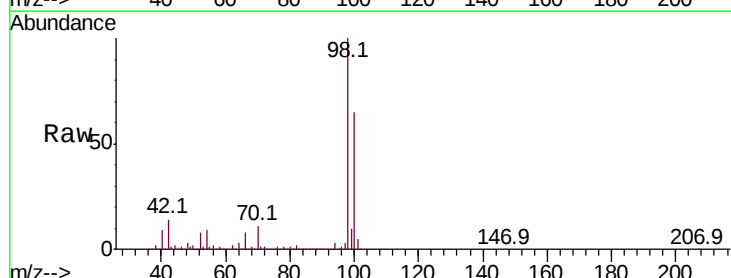
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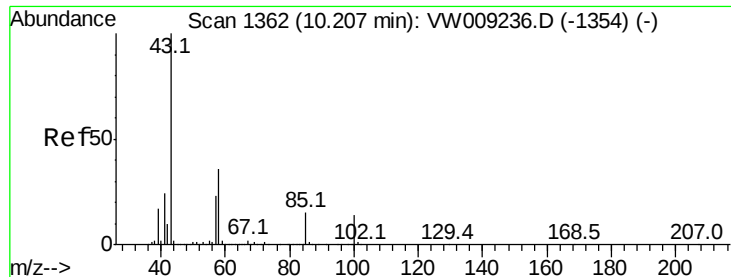
MMDadoda
3/22/2019 3:53:15 AM



#50
Toluene-d8
Concen: 50.373 ug/l
RT: 10.32 min Scan# 1381
Delta R.T. 0.00 min
Lab File: VW009258.D
Acq: 20 Mar 2019 01:04

Tgt Ion	98	Resp	486770
Ion Ratio	100	Lower	Upper
98	100		
100	65.4	52.6	79.0





#51

4-Methyl-2-Pentanone

Concen: 120.212 ug/l

RT: 10.21 min Scan# 1362

Delta R.T. 0.00 min

Lab File: VW009258.D

Acq: 20 Mar 2019 01:04

Instrument :

MSVOA_W

ClientSampleId :

VW0319SBS02

Tot Ion: 43 Resp: 238783

Ion Ratio Lower Upper

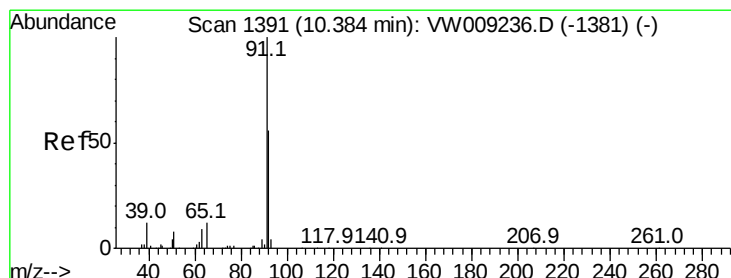
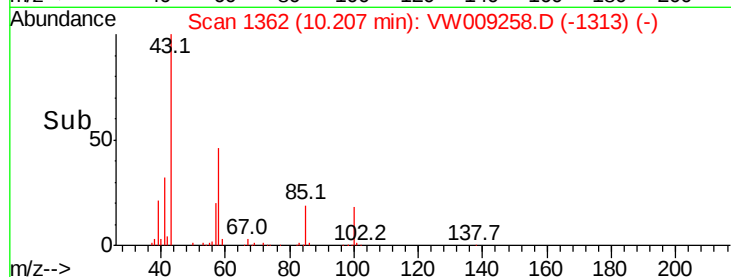
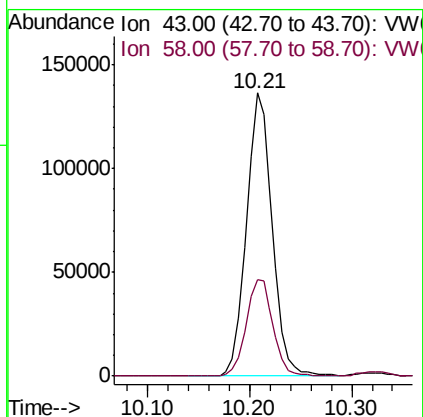
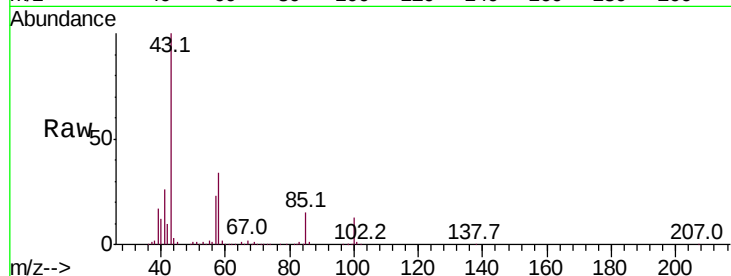
43 100

58 35.5 28.6 42.8

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3/22/2019 3:53:15 AM



#52

Toluene

Concen: 21.737 ug/l

RT: 10.38 min Scan# 1391

Delta R.T. 0.00 min

Lab File: VW009258.D

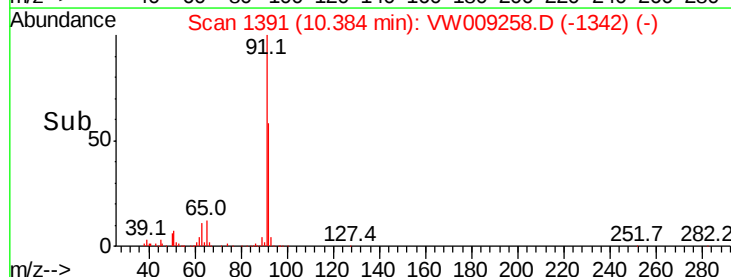
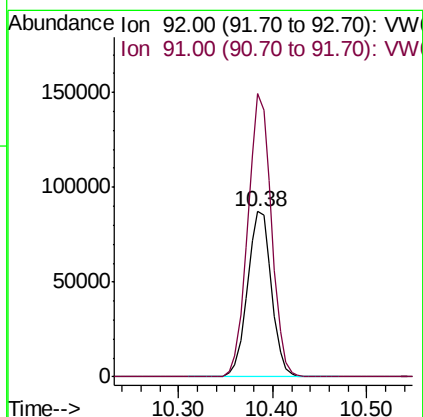
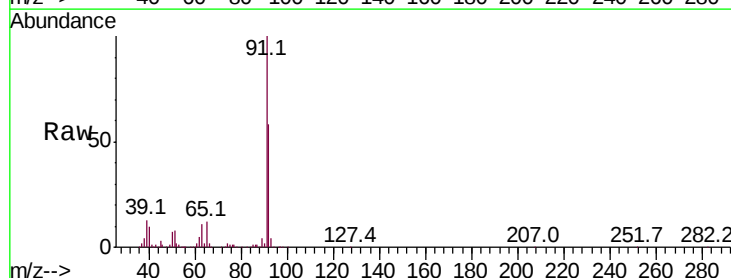
Acq: 20 Mar 2019 01:04

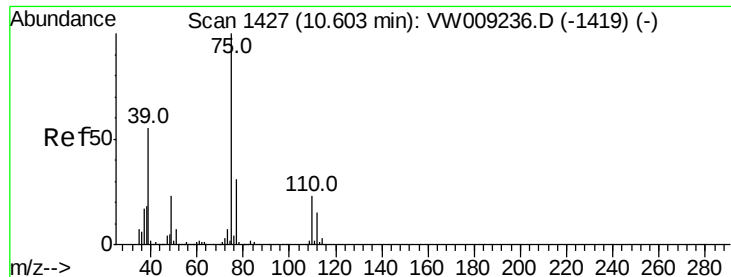
Tgt Ion: 92 Resp: 155793

Ion Ratio Lower Upper

92 100

91 168.8 140.1 210.1





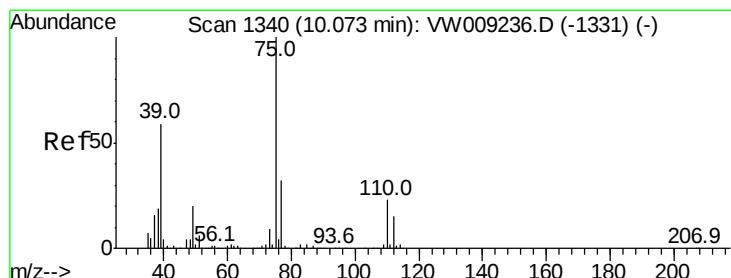
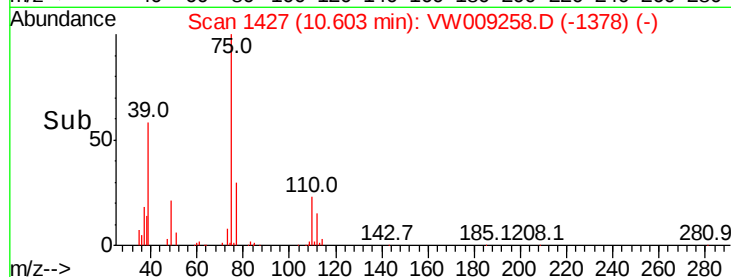
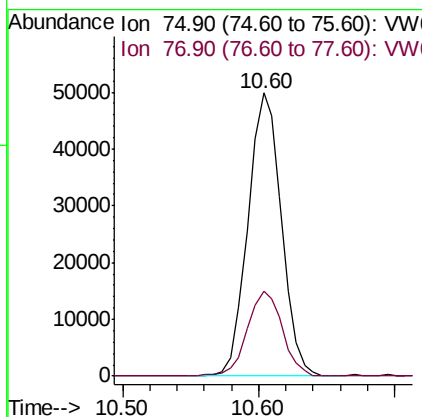
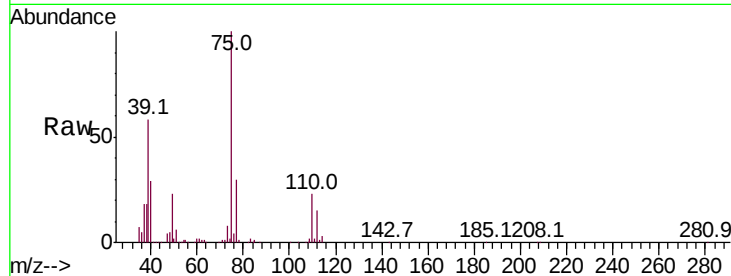
#53
 t-1,3-Dichloropropene
 Concen: 22.068 ug/l
 RT: 10.60 min Scan# 1427
 Delta R.T. 0.00 min
 Lab File: VW009258.D
 Acq: 20 Mar 2019 01:04

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0319SBS02

Tot Ion	Ratio	Lower	Upper
75	100		
77	30.1	24.8	37.2

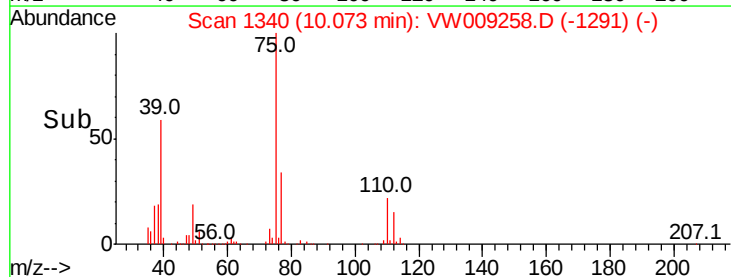
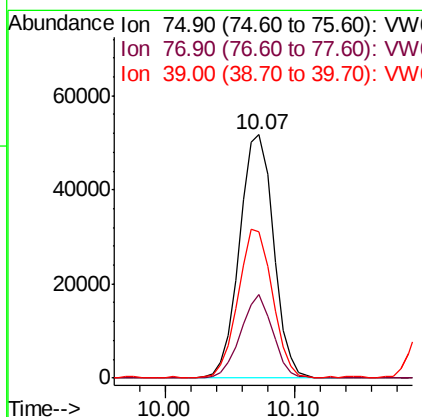
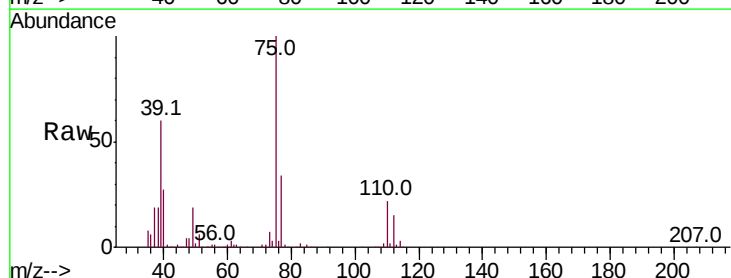
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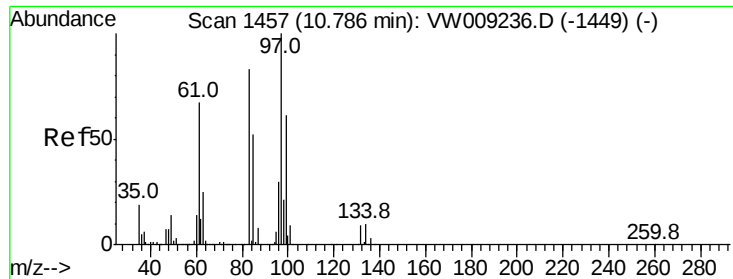
MMDadoda
 3/22/2019 3:53:15 AM



#54
 cis-1,3-Dichloropropene
 Concen: 21.576 ug/l
 RT: 10.07 min Scan# 1340
 Delta R.T. 0.00 min
 Lab File: VW009258.D
 Acq: 20 Mar 2019 01:04

Tgt Ion	Ratio	Lower	Upper
75	100		
77	34.3	25.9	38.9
39	59.8	46.8	70.2





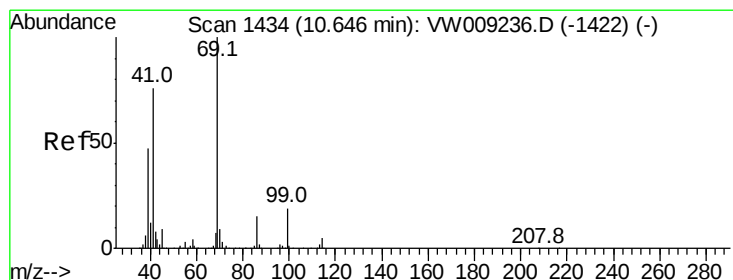
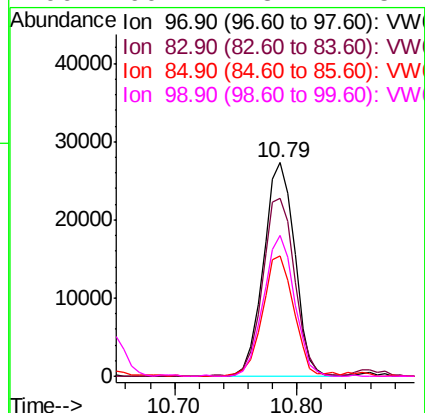
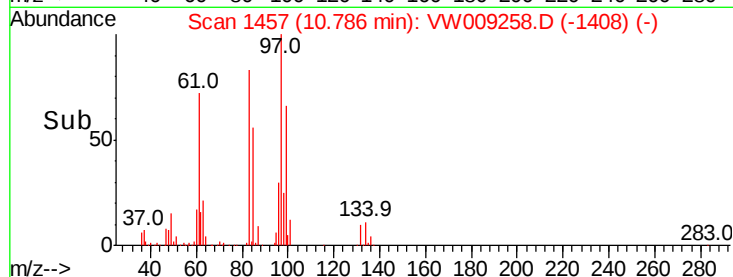
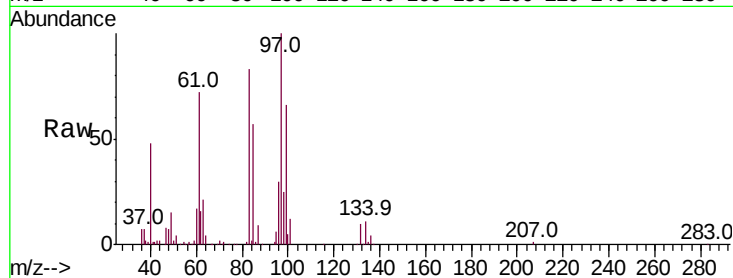
#55
 1,1,2-Trichloroethane
 Concen: 22.587 ug/l
 RT: 10.79 min Scan# 1457
 Delta R.T. 0.00 min
 Lab File: VW009258.D
 Acq: 20 Mar 2019 01:04

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0319SBS02

Tot Ion:	97	Resp:	48362
Ion	Ratio	Lower	Upper
97	100		
83	83.0	66.3	99.5
85	56.6	41.4	62.2
99	66.1	48.7	73.1

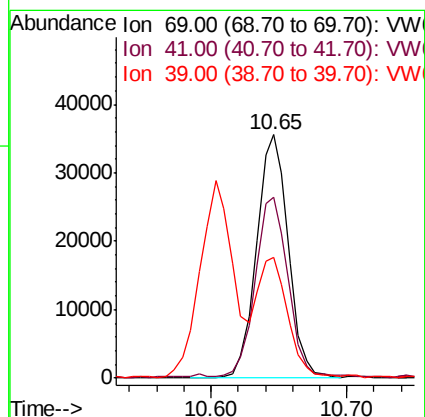
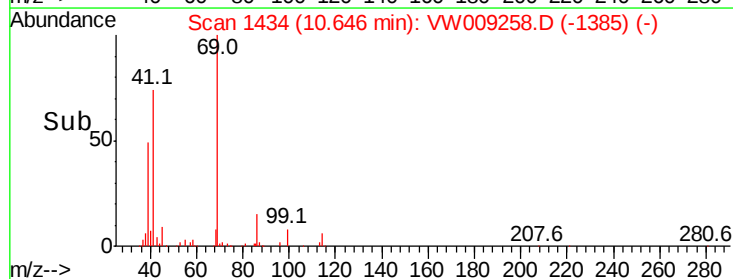
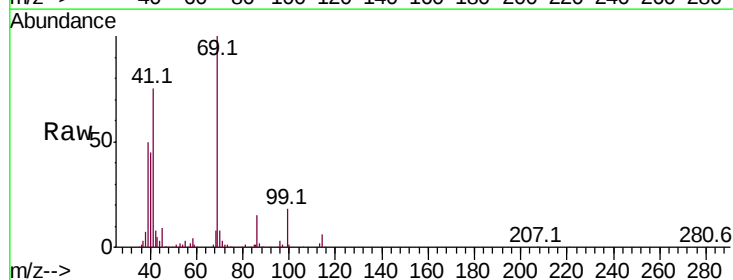
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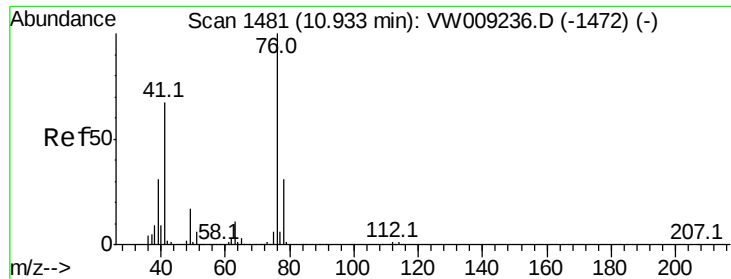
MMDadoda
 3/22/2019 3:53:15 AM



#56
 Ethyl methacrylate
 Concen: 22.774 ug/l
 RT: 10.65 min Scan# 1434
 Delta R.T. 0.00 min
 Lab File: VW009258.D
 Acq: 20 Mar 2019 01:04

Tgt Ion:	69	Resp:	58063
Ion	Ratio	Lower	Upper
69	100		
41	77.0	59.3	88.9
39	48.2	36.2	54.2





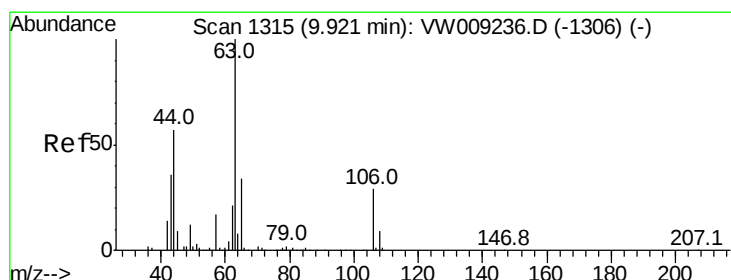
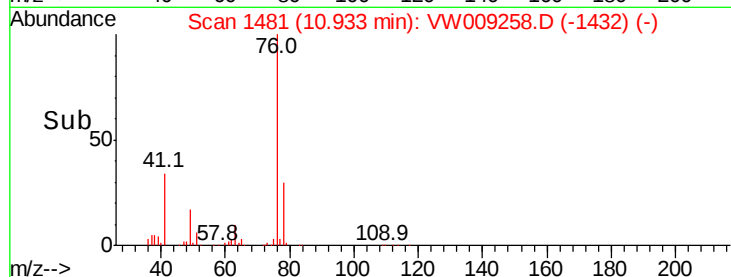
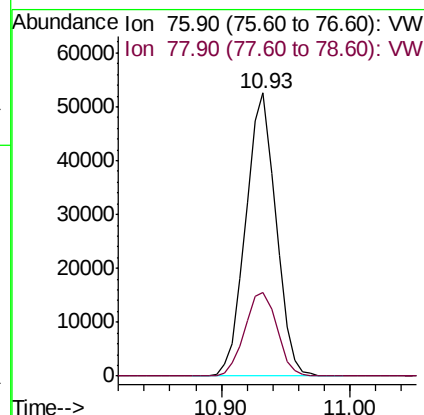
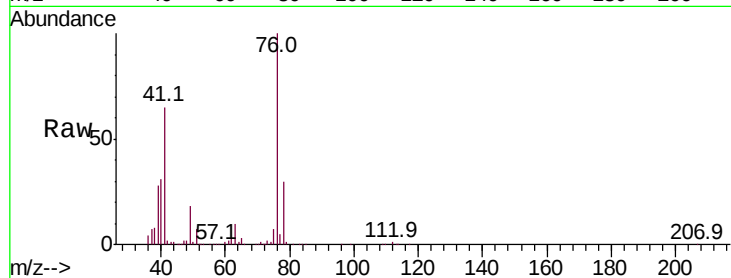
#57
 1,3-Dichloropropane
 Concen: 23.083 ug/l
 RT: 10.93 min Scan# 1481
 Delta R.T. 0.00 min
 Lab File: VW009258.D
 Acq: 20 Mar 2019 01:04

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0319SBS02

Tot Ion: 76 Resp: 85243
 Ion Ratio Lower Upper
 76 100
 78 31.6 25.8 38.6

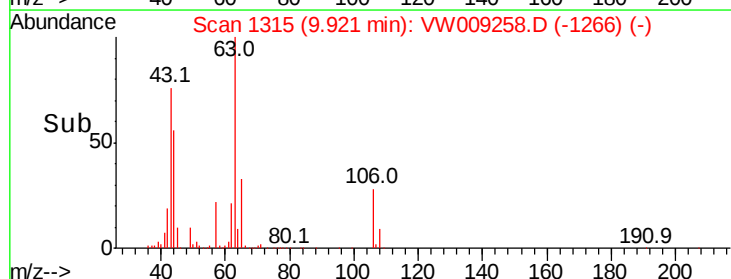
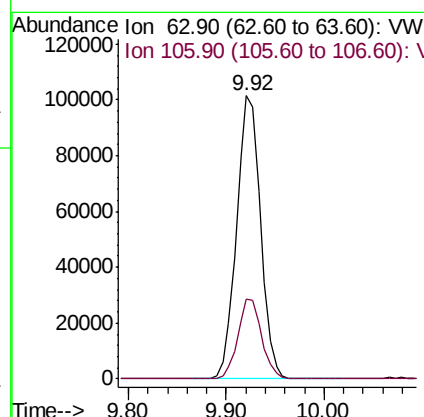
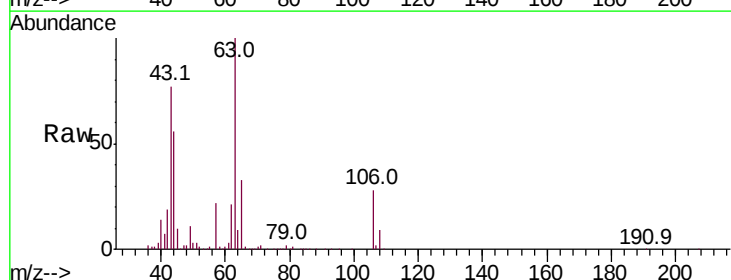
Manual Integrations
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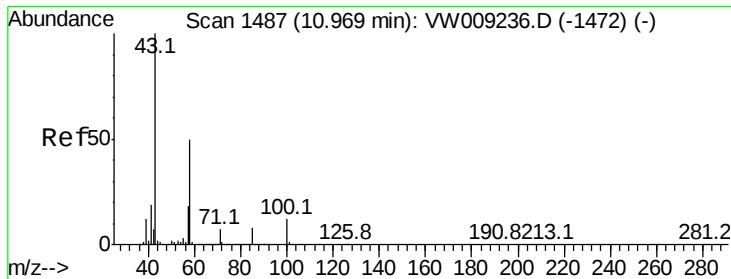
MMDadoda
 3/22/2019 3:53:15 AM



#58
 2-Chloroethyl Vinyl ether
 Concen: 231.199 ug/l
 RT: 9.92 min Scan# 1315
 Delta R.T. 0.00 min
 Lab File: VW009258.D
 Acq: 20 Mar 2019 01:04

Tgt Ion: 63 Resp: 172473
 Ion Ratio Lower Upper
 63 100
 106 28.0 22.9 34.3





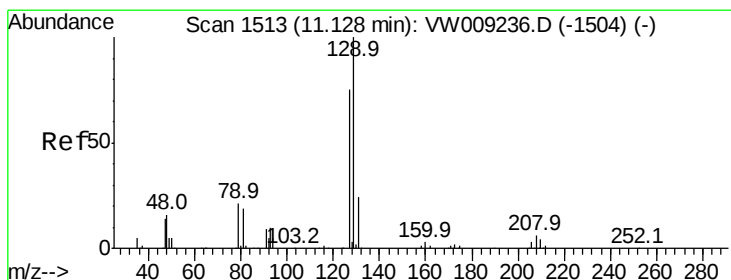
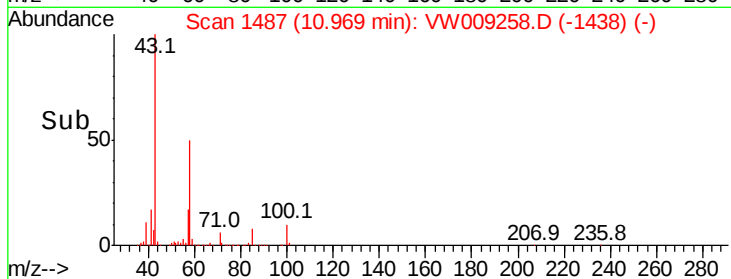
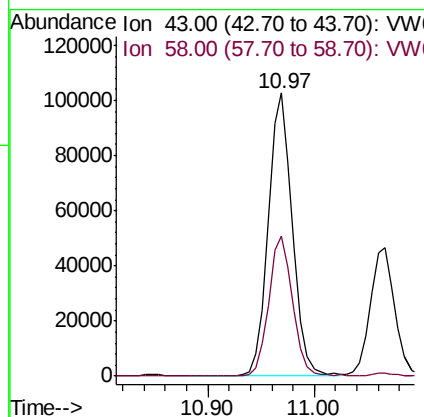
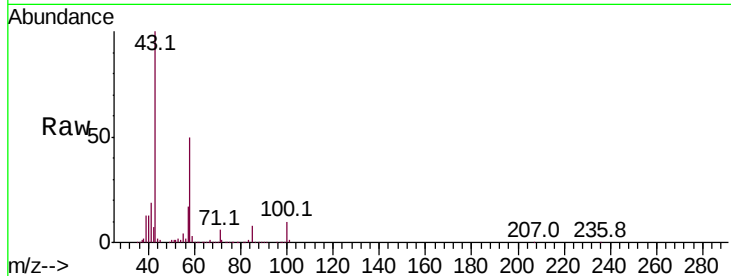
#59
2-Hexanone
Concen: 120.755 ug/l
RT: 10.97 min Scan# 1487
Delta R.T. 0.00 min
Lab File: VW009258.D
Acq: 20 Mar 2019 01:04

Instrument :
MSVOA_W
ClientSampleId :
VW0319SBS02

Tot Ion	Ratio	Lower	Upper
43	100		
58	49.0	24.2	72.6

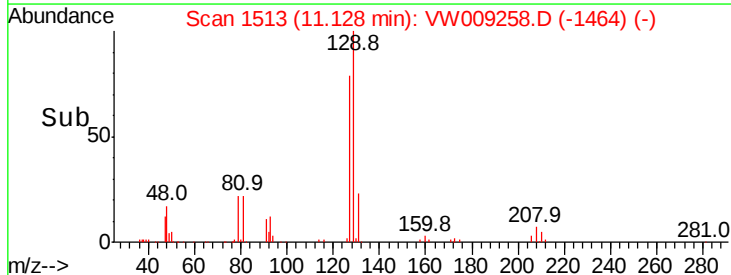
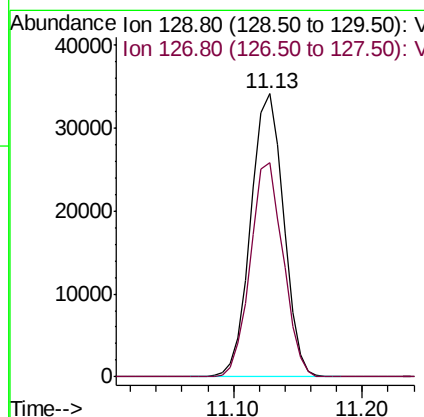
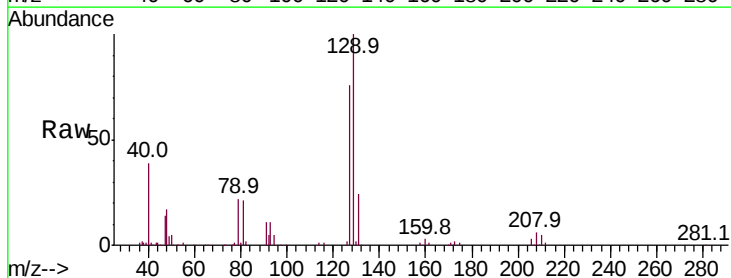
Manual Integrations
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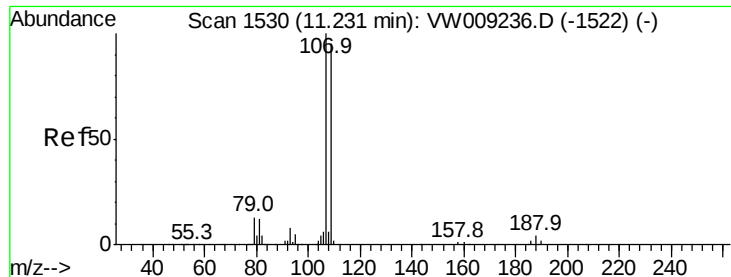
MMDadoda
3/22/2019 3:53:15 AM



#60
Dibromochloromethane
Concen: 22.684 ug/l
RT: 11.13 min Scan# 1513
Delta R.T. 0.00 min
Lab File: VW009258.D
Acq: 20 Mar 2019 01:04

Tgt Ion	Ratio	Lower	Upper
129	100		
127	75.3	38.1	114.5





#61

1,2-Dibromoethane

Concen: 23.140 ug/l

RT: 11.23 min Scan# 1530

Delta R.T. 0.00 min

Lab File: VW009258.D

Acq: 20 Mar 2019 01:04

Instrument :

MSVOA_W

ClientSampleId :

VW0319SBS02

Tot Ion:107 Resp: 47189

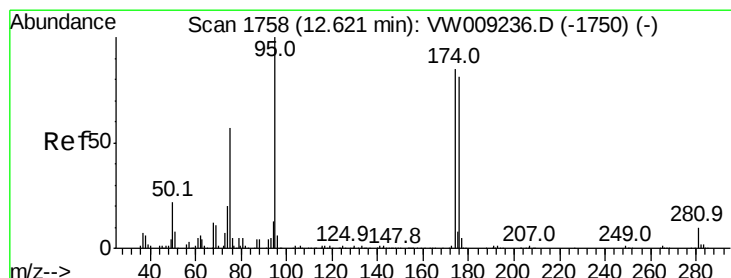
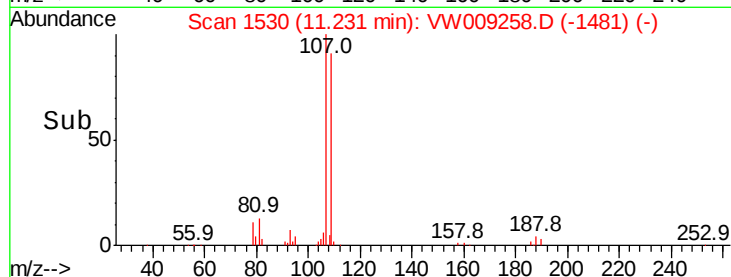
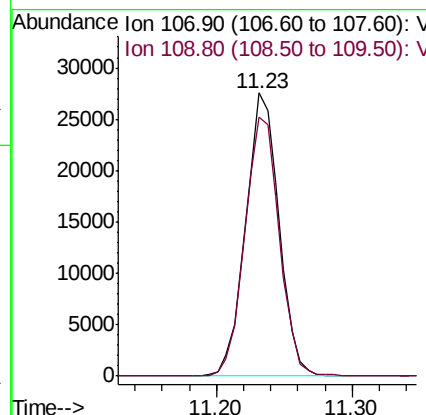
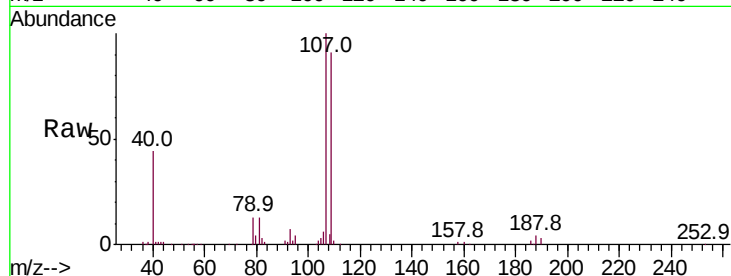
Ion Ratio Lower Upper

107 100

109 94.4 75.1 112.7

Manual Integrations
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MMDadoda
3/22/2019 3:53:15 AM



#62

4-Bromofluorobenzene

Concen: 51.397 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. -0.01 min

Lab File: VW009258.D

Acq: 20 Mar 2019 01:04

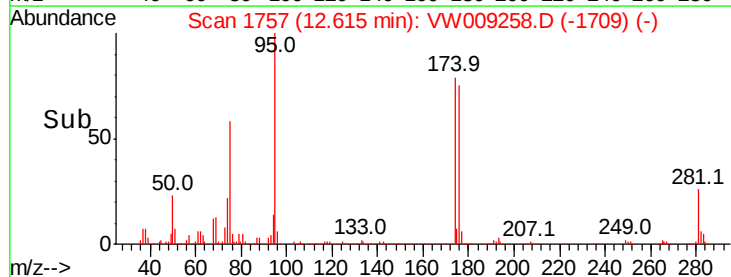
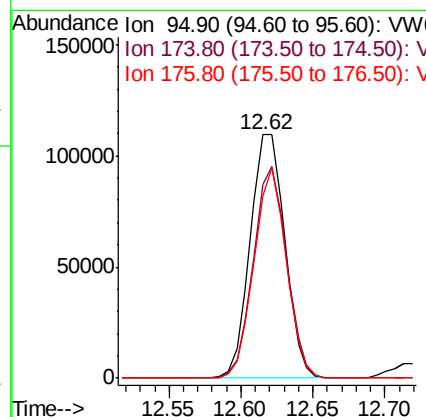
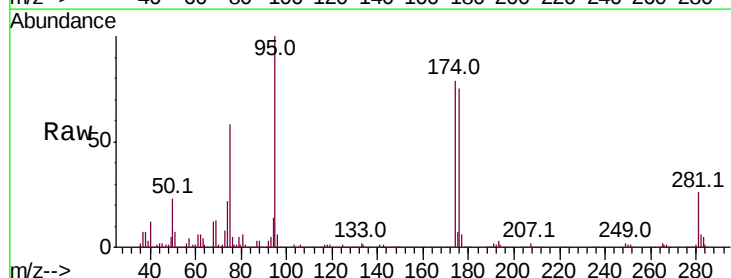
Tgt Ion: 95 Resp: 182356

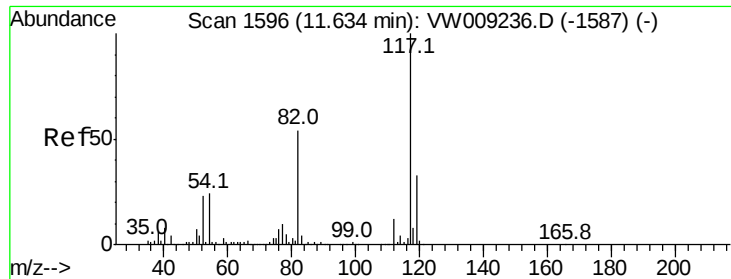
Ion Ratio Lower Upper

95 100

174 83.5 0.0 168.4

176 80.3 0.0 161.6





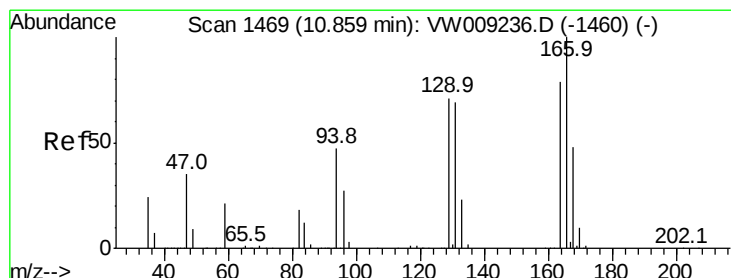
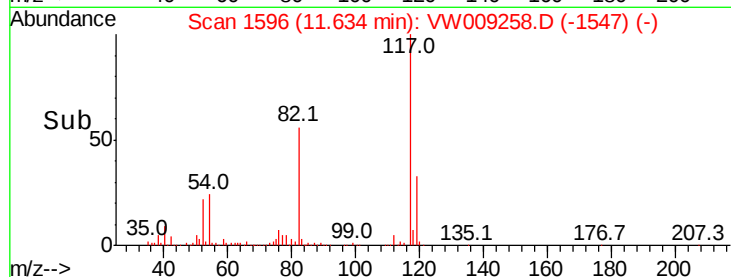
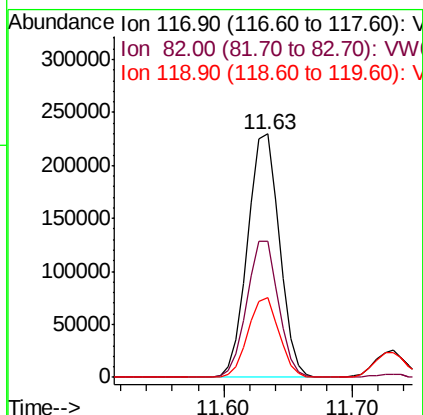
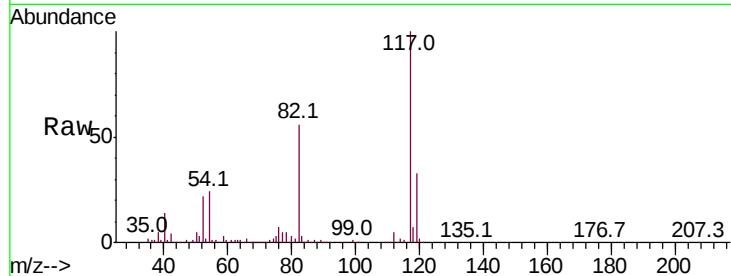
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1596
Delta R.T. 0.00 min
Lab File: VW009258.D
Acq: 20 Mar 2019 01:04

Instrument :
MSVOA_W
ClientSampleId :
VW0319SBS02

Tot Ion	Ratio	Resp	Lower	Upper
117	100	391174		
82	55.7	43.6	65.4	
119	32.9	26.0	39.0	

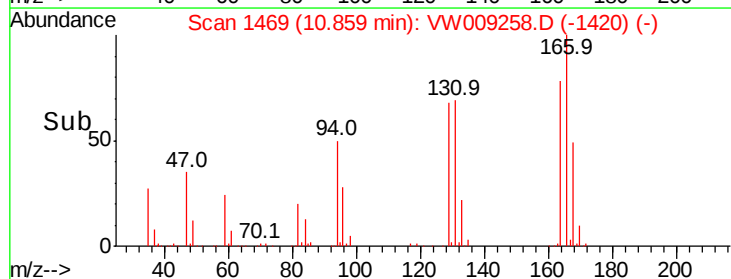
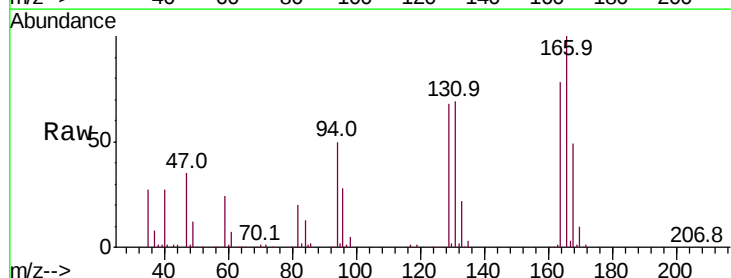
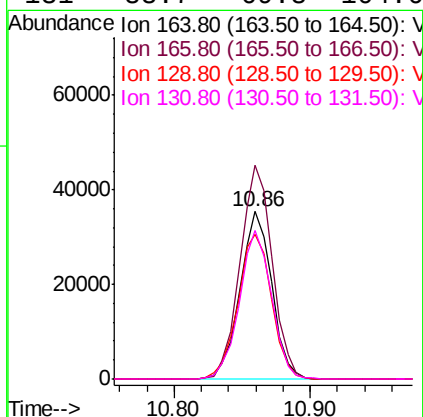
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APPROVED

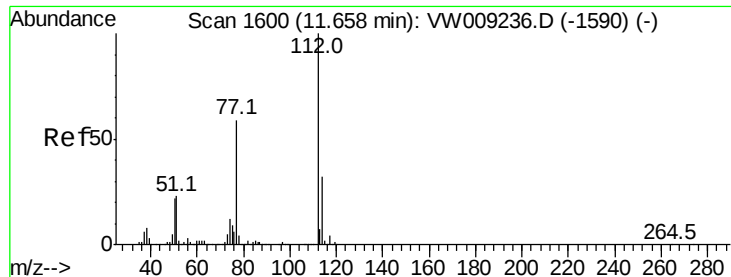
MMDadoda
3/22/2019 3:53:15 AM



#64
Tetrachloroethene
Concen: 21.524 ug/l
RT: 10.86 min Scan# 1469
Delta R.T. 0.00 min
Lab File: VW009258.D
Acq: 20 Mar 2019 01:04

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	57660		
166	127.6	100.9	151.3	
129	86.7	72.0	108.0	
131	88.7	69.8	104.6	





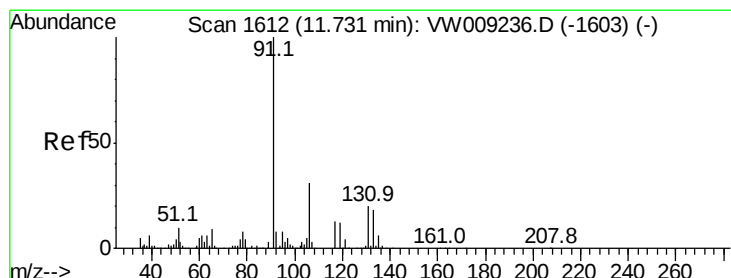
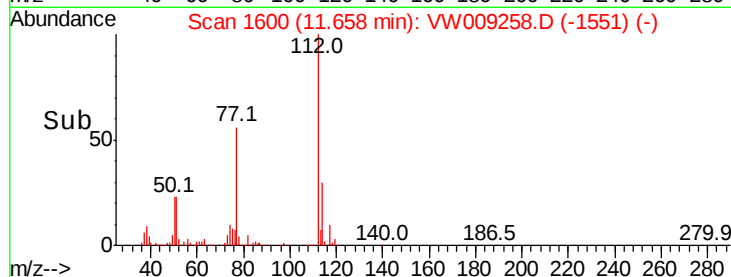
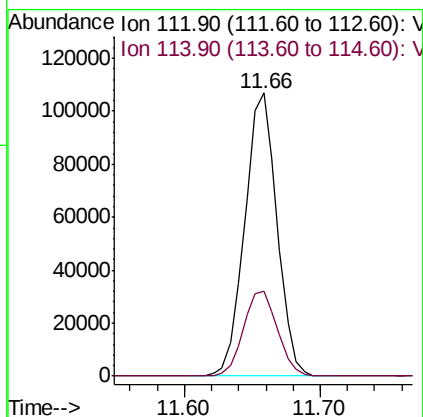
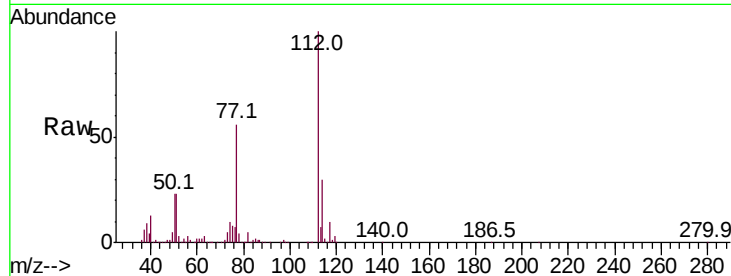
#65
Chlorobenzene
Concen: 21.870 ug/l
RT: 11.66 min Scan# 1600
Delta R.T. 0.00 min
Lab File: VW009258.D
Acq: 20 Mar 2019 01:04

Instrument :
MSVOA_W
ClientSampleId :
VW0319SBS02

Tot Ion:112 Resp: 176925
Ion Ratio Lower Upper
112 100
114 29.9 25.6 38.4

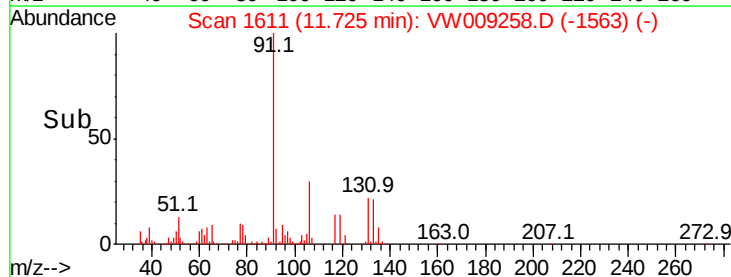
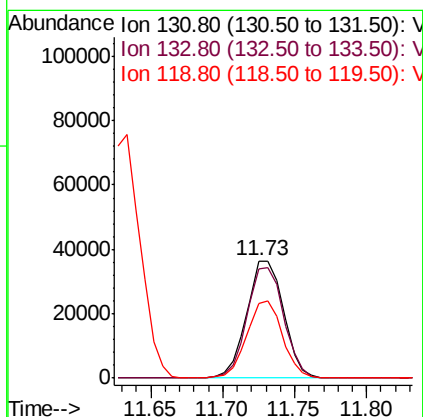
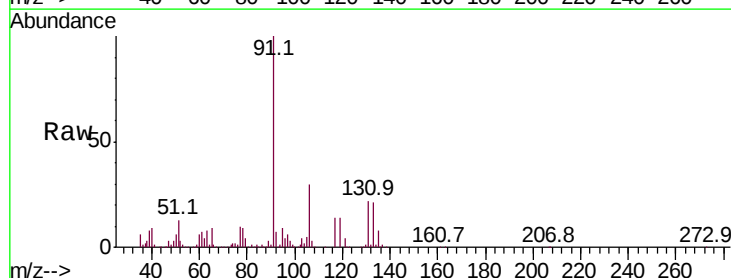
Manual Integrations
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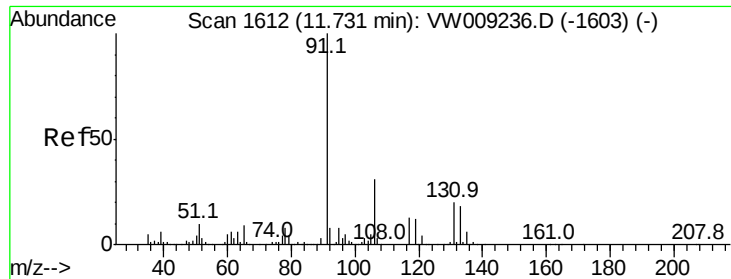
MMDadoda
3/22/2019 3:53:15 AM



#66
1,1,1,2-Tetrachloroethane
Concen: 21.328 ug/l
RT: 11.73 min Scan# 1611
Delta R.T. -0.01 min
Lab File: VW009258.D
Acq: 20 Mar 2019 01:04

Tgt Ion:131 Resp: 64449
Ion Ratio Lower Upper
131 100
133 94.0 47.3 141.8
119 63.6 31.6 95.0





#67

Ethyl Benzene

Concen: 21.077 ug/l

RT: 11.73 min Scan# 1612

Delta R.T. 0.00 min

Lab File: VW009258.D

Acq: 20 Mar 2019 01:04

Instrument :

MSVOA_W

ClientSampleId :

VW0319SBS02

Tot Ion: 91 Resp: 295337

Ion Ratio Lower Upper

91 100

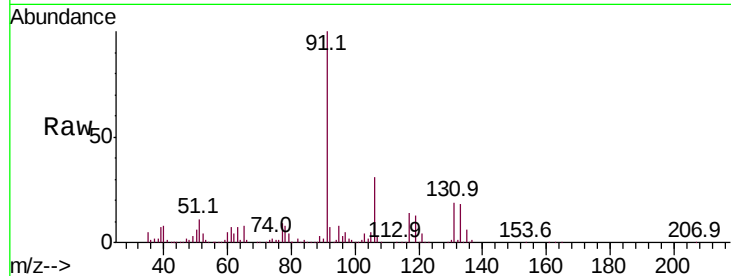
106 30.6 24.6 36.8

Manual Integrations

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MMDadoda

3/22/2019 3:53:15 AM



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 106.00 (105.70 to 106.70): V

250000

200000

150000

100000

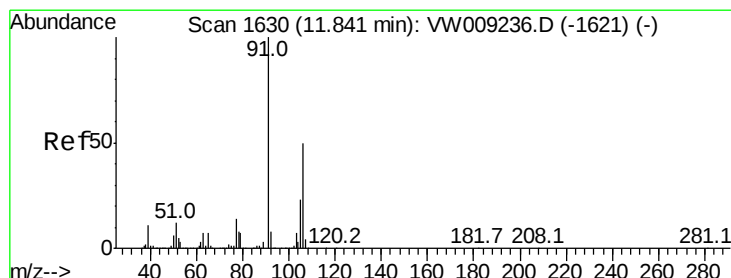
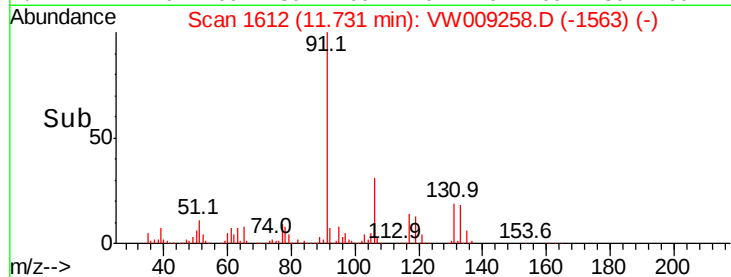
50000

0

11.65 11.70 11.75 11.80

11.73

Time-->



#68

m/p-Xylenes

Concen: 42.592 ug/l

RT: 11.84 min Scan# 1630

Delta R.T. 0.00 min

Lab File: VW009258.D

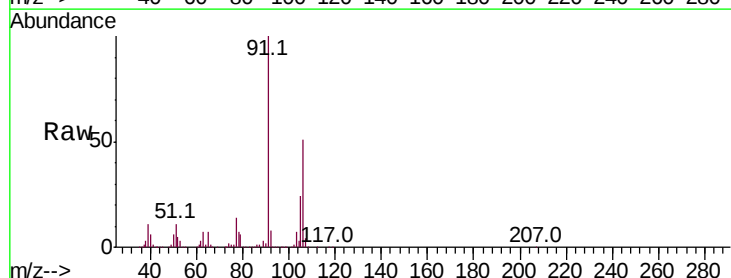
Acq: 20 Mar 2019 01:04

Tgt Ion:106 Resp: 231327

Ion Ratio Lower Upper

106 100

91 199.9 163.1 244.7



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VW

250000

200000

150000

100000

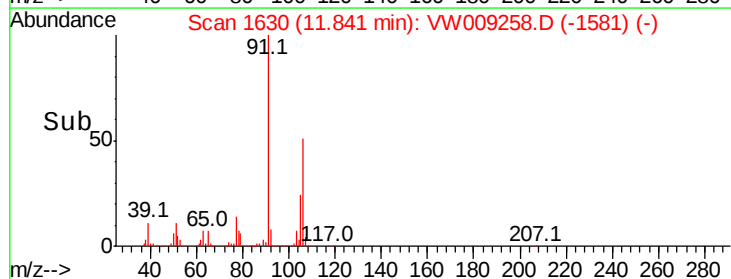
50000

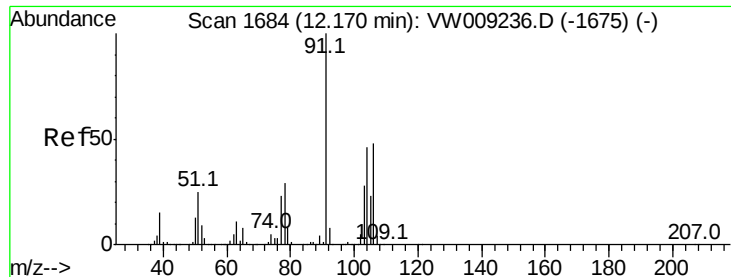
0

11.80 11.85 11.90

11.84

Time-->





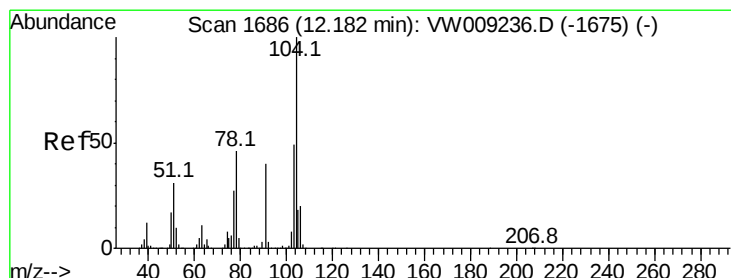
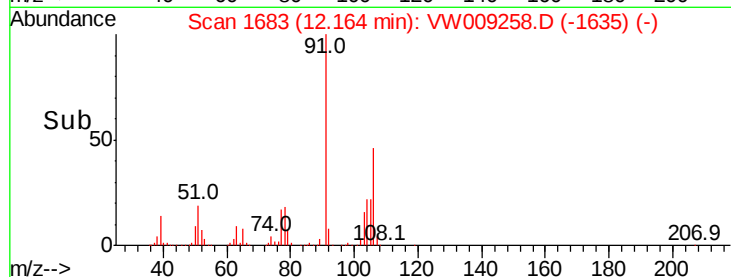
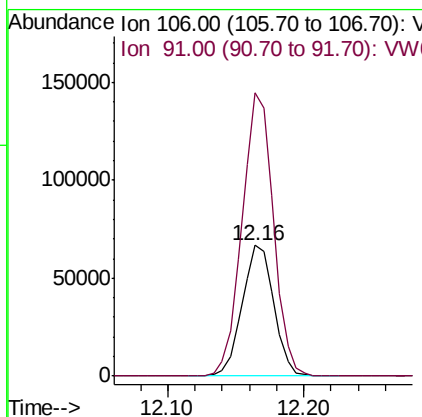
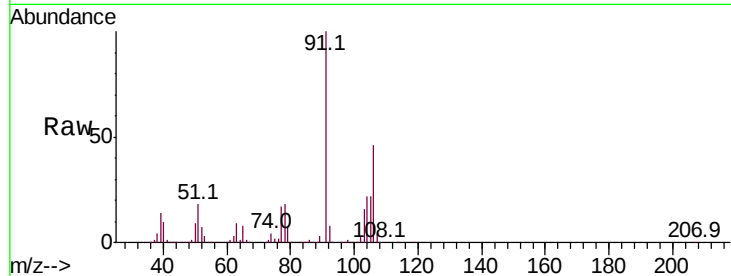
#69
o-Xylene
Concen: 21.510 ug/l
RT: 12.16 min Scan# 1683
Delta R.T. -0.01 min
Lab File: VW009258.D
Acq: 20 Mar 2019 01:04

Instrument :
MSVOA_W
ClientSampleId :
VW0319SBS02

Tot Ion	Ratio	Lower	Upper
106	100		
91	215.2	108.6	325.8

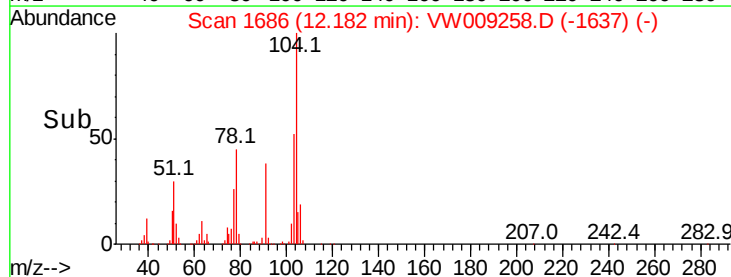
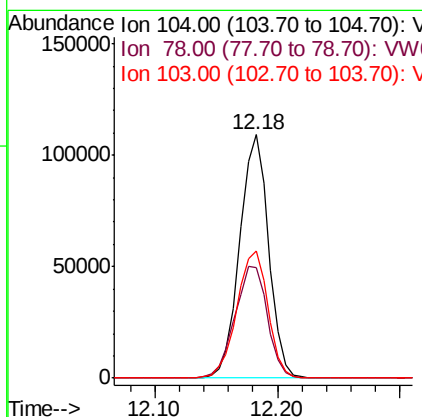
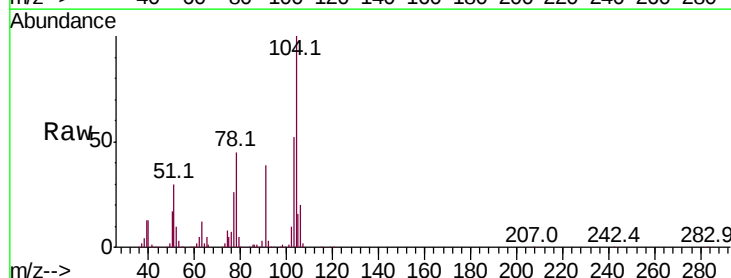
Manual Integrations
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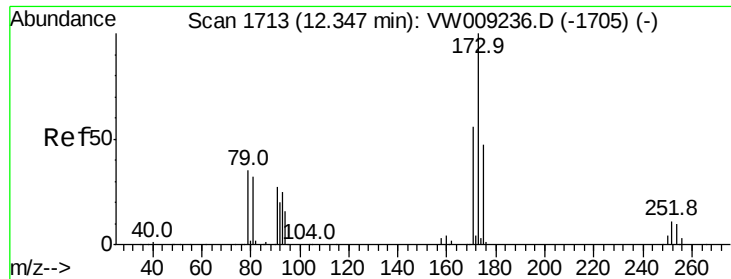
MMDadoda
3/22/2019 3:53:15 AM



#70
Styrene
Concen: 21.529 ug/l
RT: 12.18 min Scan# 1686
Delta R.T. 0.00 min
Lab File: VW009258.D
Acq: 20 Mar 2019 01:04

Tgt Ion	Ratio	Lower	Upper
104	100		
78	51.7	42.2	63.4
103	56.3	44.6	66.8





#71

Bromoform

Concen: 22.276 ug/l

RT: 12.35 min Scan# 1713

Delta R.T. 0.00 min

Lab File: VW009258.D

Acq: 20 Mar 2019 01:04

Instrument :

MSVOA_W

ClientSampleId :

VW0319SBS02

Tot Ion:173 Resp: 36767

Ion Ratio Lower Upper

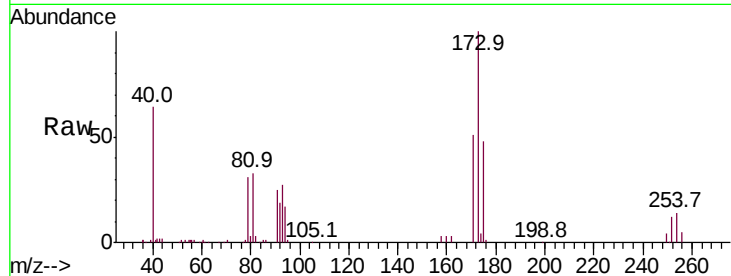
173 100

175 47.6 24.1 72.4

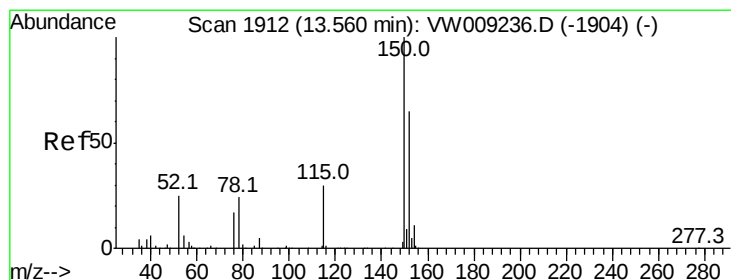
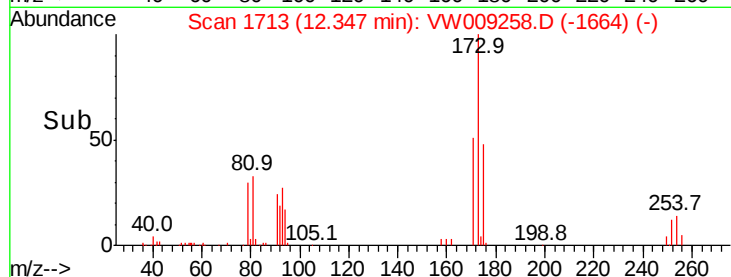
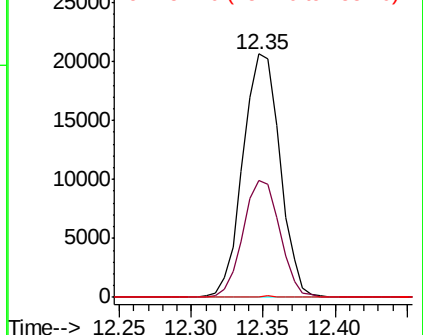
254 0.1 0.2 0.4#

Manual Integrations
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MMDadoda
3/22/2019 3:53:15 AM



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



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.56 min Scan# 1912

Delta R.T. 0.00 min

Lab File: VW009258.D

Acq: 20 Mar 2019 01:04

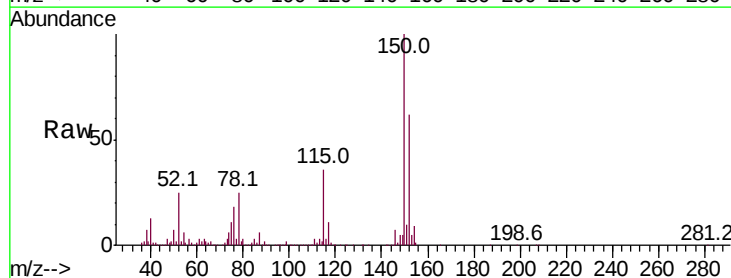
Tgt Ion:152 Resp: 211271

Ion Ratio Lower Upper

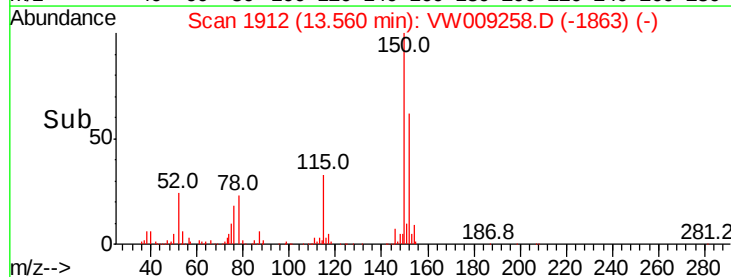
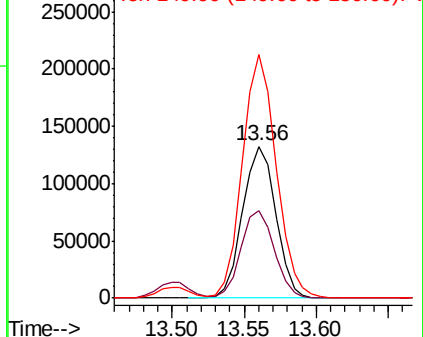
152 100

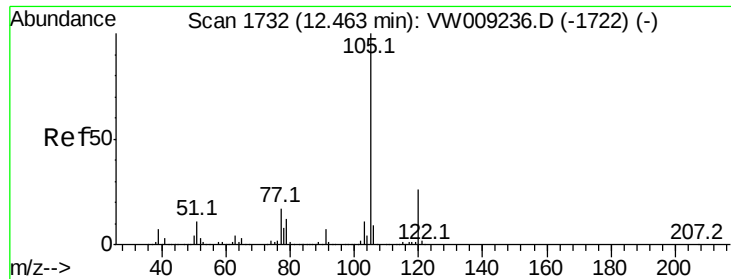
115 57.7 29.6 88.8

150 164.1 0.0 349.2



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





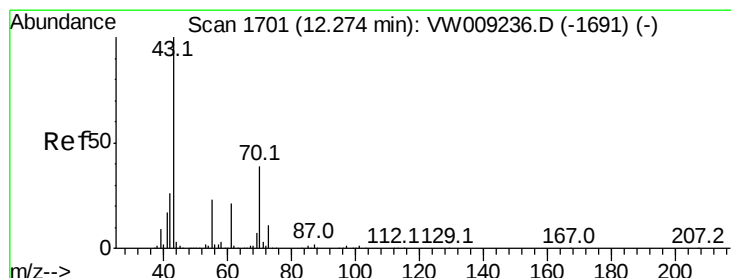
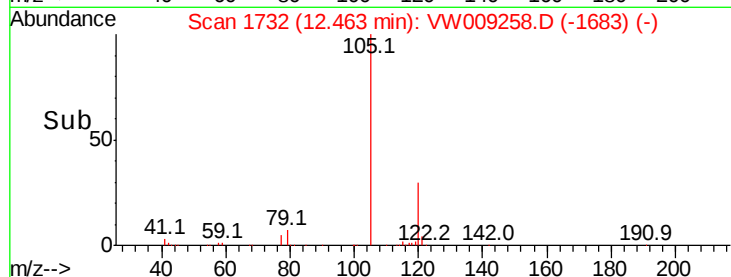
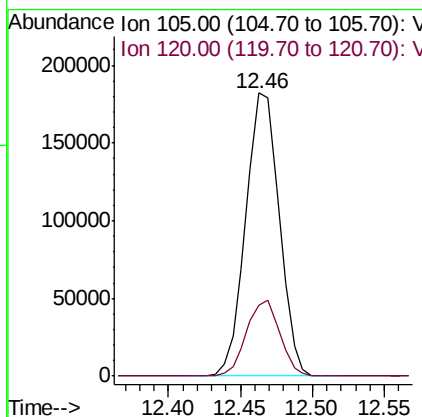
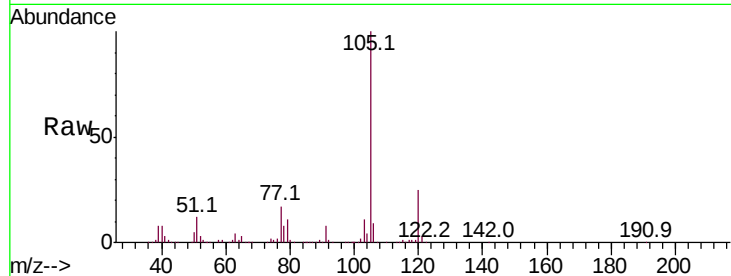
#73
Isopropylbenzene
Concen: 20.796 ug/l
RT: 12.46 min Scan# 1732
Delta R.T. 0.00 min
Lab File: VW009258.D
Acq: 20 Mar 2019 01:04

Instrument :
MSVOA_W
ClientSampleId :
VW0319SBS02

Tot Ion	Ratio	Lower	Upper
105	100		
120	26.6	13.0	39.0

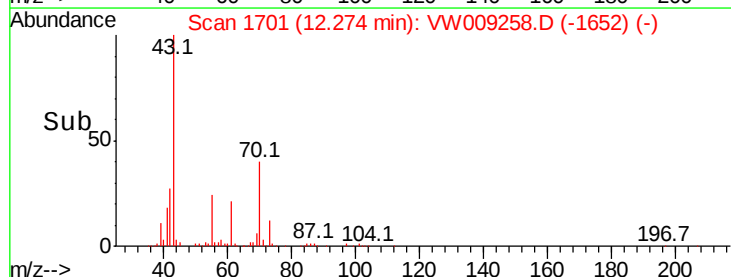
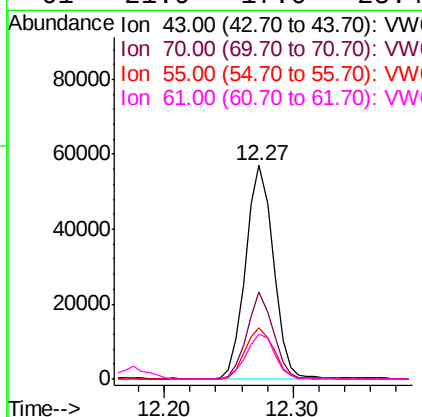
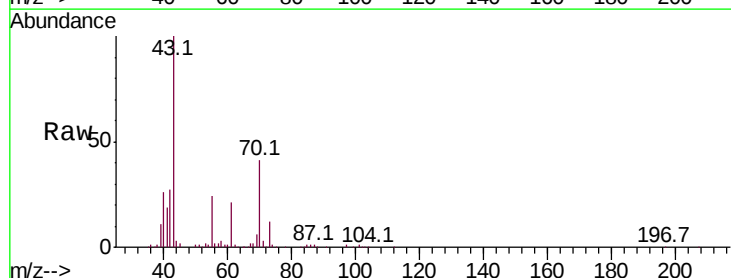
Manual Integrations
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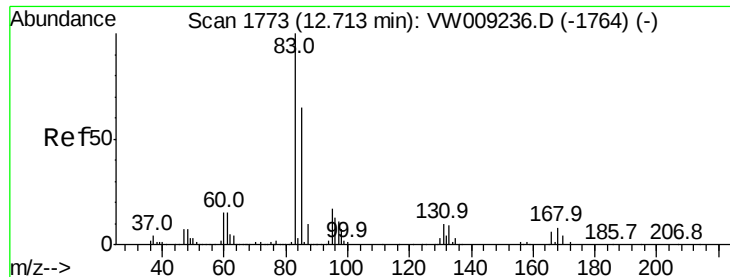
MMDadoda
3/22/2019 3:53:15 AM



#74
N-ethyl acetate
Concen: 23.003 ug/l
RT: 12.27 min Scan# 1701
Delta R.T. 0.00 min
Lab File: VW009258.D
Acq: 20 Mar 2019 01:04

Tgt Ion	Ratio	Lower	Upper
43	100		
70	38.4	30.6	46.0
55	25.5	19.3	28.9
61	21.9	17.0	25.4





#75

1,1,2,2-Tetrachloroethane

Concen: 22.624 ug/l

RT: 12.71 min Scan# 1773

Delta R.T. 0.00 min

Lab File: VW009258.D

Acq: 20 Mar 2019 01:04

Instrument :

MSVOA_W

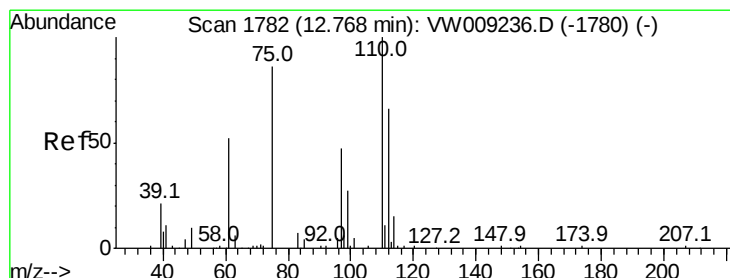
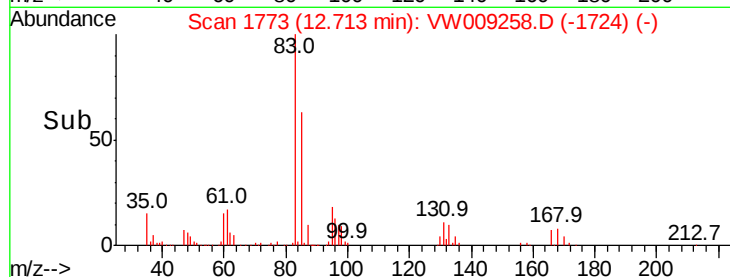
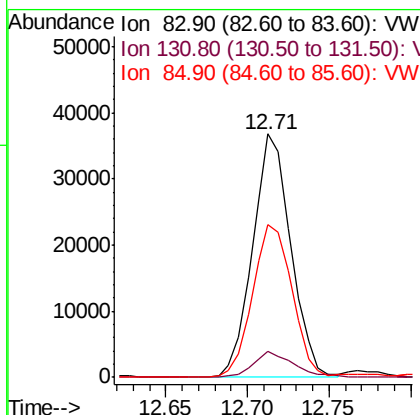
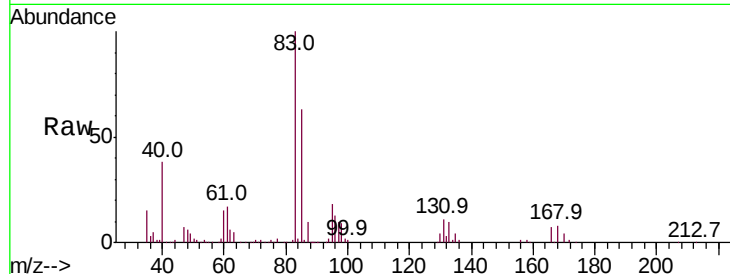
ClientSampleID :

VW0319SBS02

Tot Ion:	83	Resp:	59761
Ion Ratio	Lower	Upper	
83	100		
131	11.3	5.3	16.1
85	65.2	32.6	97.8

Manual Integrations
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MMDadoda
3/22/2019 3:53:15 AM



#76

1,2,3-Trichloropropane

Concen: 21.280 ug/l m

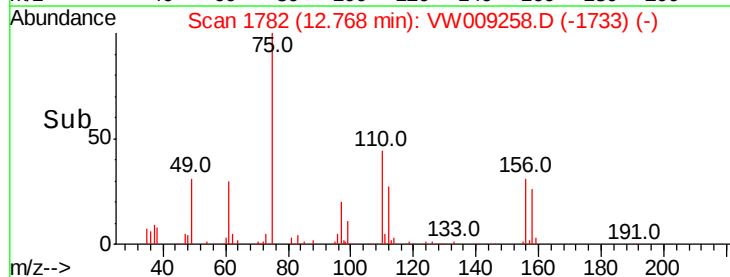
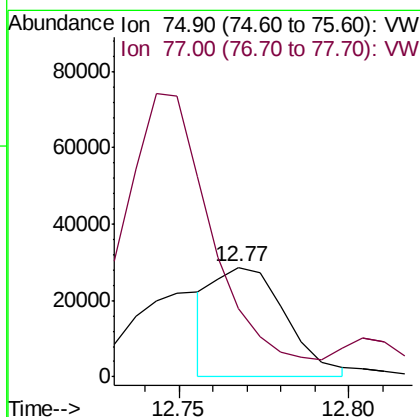
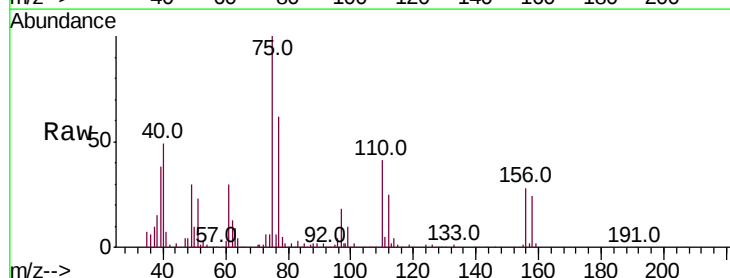
RT: 12.77 min Scan# 1782

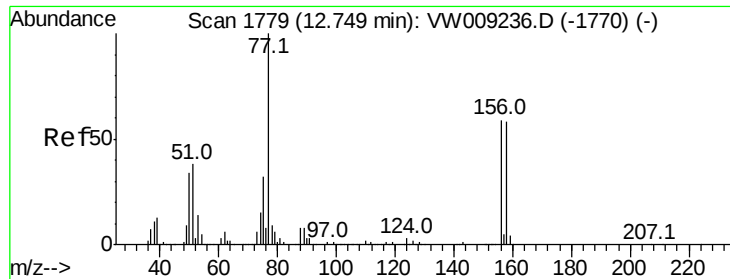
Delta R.T. 0.00 min

Lab File: VW009258.D

Acq: 20 Mar 2019 01:04

Tgt Ion:	75	Resp:	42248
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





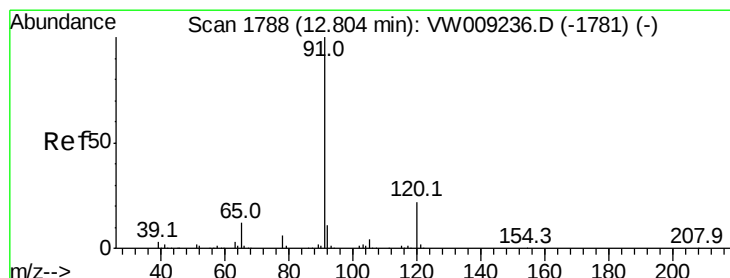
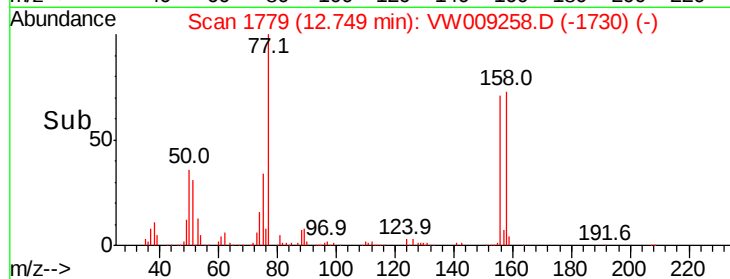
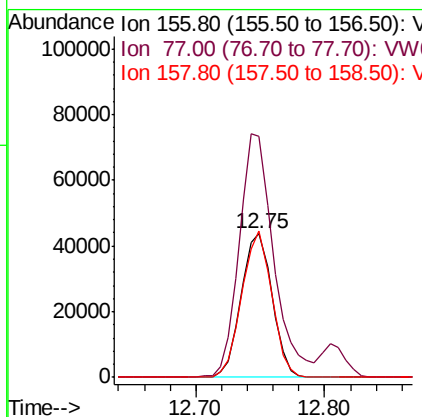
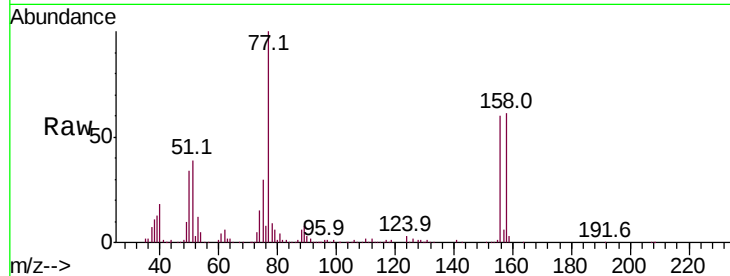
#77
Bromobenzene
Concen: 21.775 ug/l
RT: 12.75 min Scan# 1779
Delta R.T. 0.00 min
Lab File: VW009258.D
Acq: 20 Mar 2019 01:04

Instrument :
MSVOA_W
ClientSampleId :
VW0319SBS02

Tot Ion	Ratio	Lower	Upper
156	100		
77	189.4	96.0	288.0
158	98.4	49.1	147.3

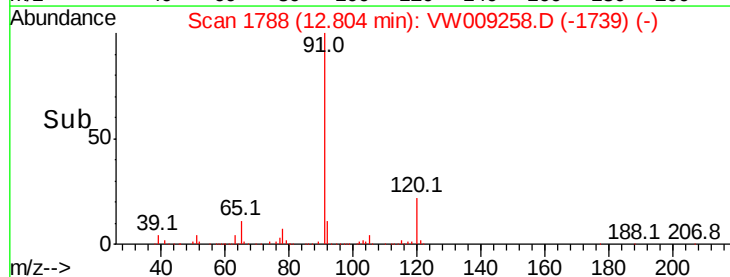
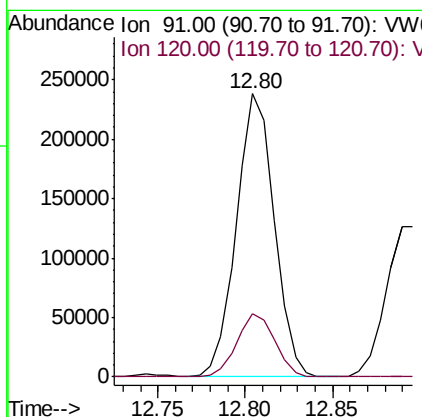
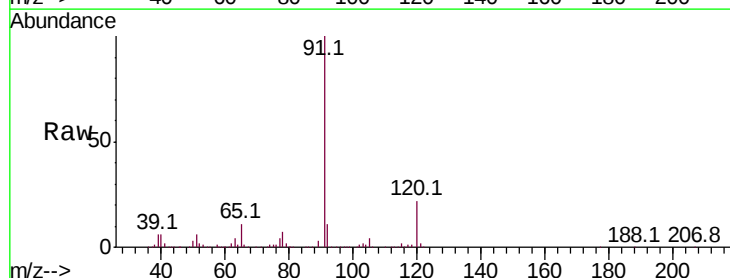
Manual Integrations
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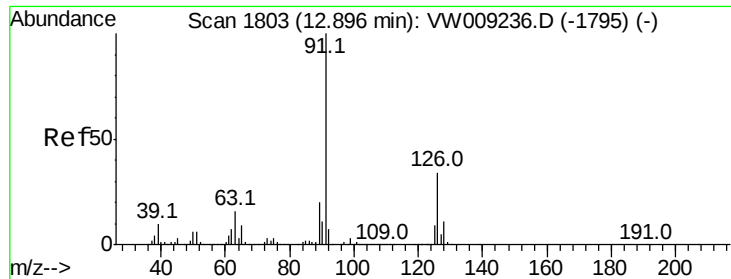
MMDadoda
3/22/2019 3:53:15 AM



#78
n-propylbenzene
Concen: 20.645 ug/l
RT: 12.80 min Scan# 1788
Delta R.T. 0.00 min
Lab File: VW009258.D
Acq: 20 Mar 2019 01:04

Tgt Ion	Ratio	Lower	Upper
91	100		
120	22.4	11.1	33.3





#79

2-Chlorotoluene

Concen: 21.391 ug/l

RT: 12.90 min Scan# 1803

Delta R.T. 0.00 min

Lab File: VW009258.D

Acq: 20 Mar 2019 01:04

Instrument :

MSVOA_W

ClientSampleId :

VW0319SBS02

Tot Ion: 91 Resp: 210751

Ion Ratio Lower Upper

91 100

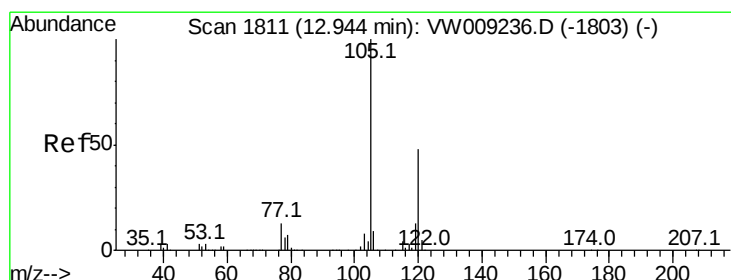
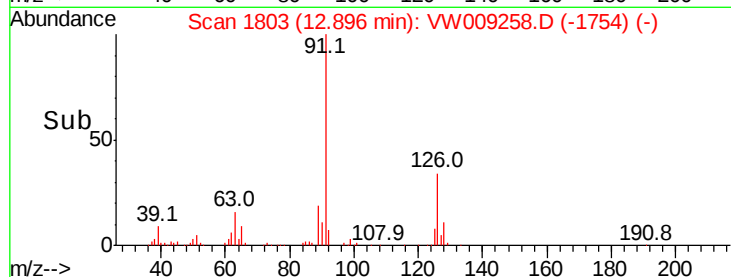
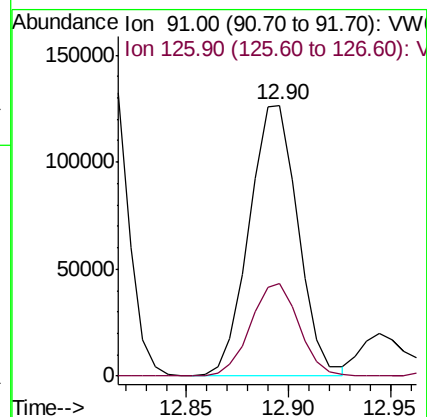
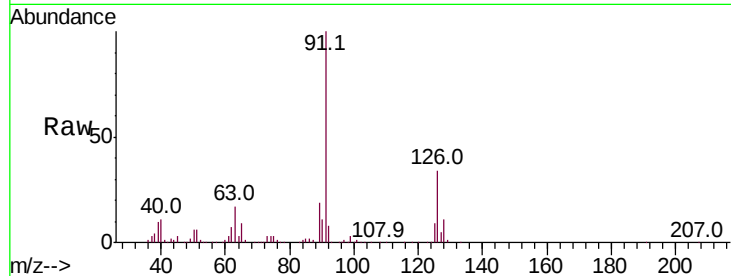
126 33.7 17.0 51.0

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#80

1,3,5-Trimethylbenzene

Concen: 20.898 ug/l

RT: 12.94 min Scan# 1811

Delta R.T. 0.00 min

Lab File: VW009258.D

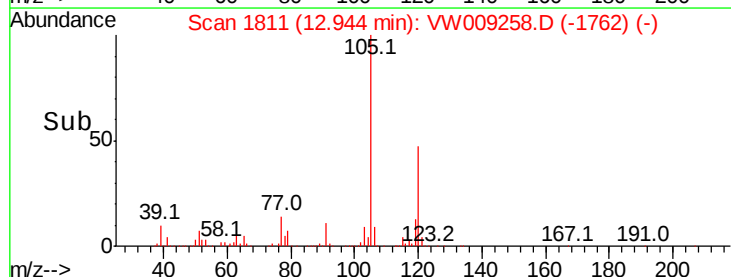
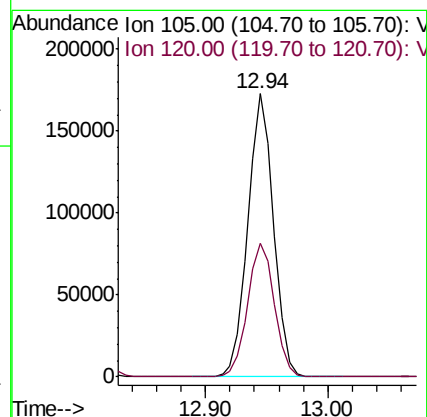
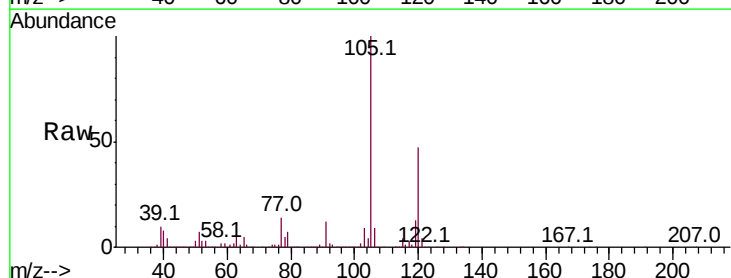
Acq: 20 Mar 2019 01:04

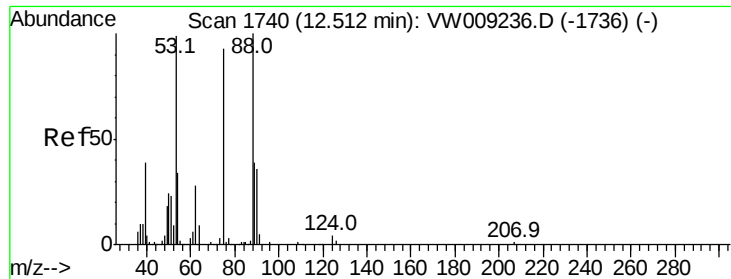
Tgt Ion:105 Resp: 250956

Ion Ratio Lower Upper

105 100

120 49.3 24.6 74.0





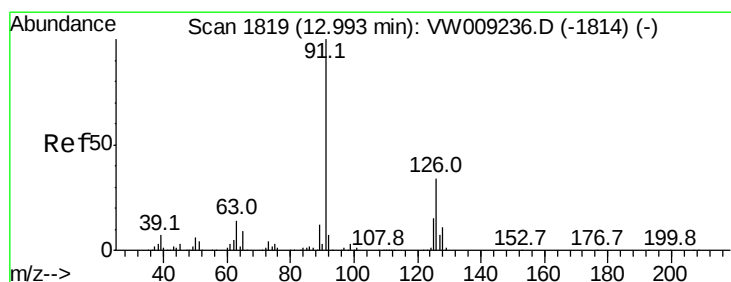
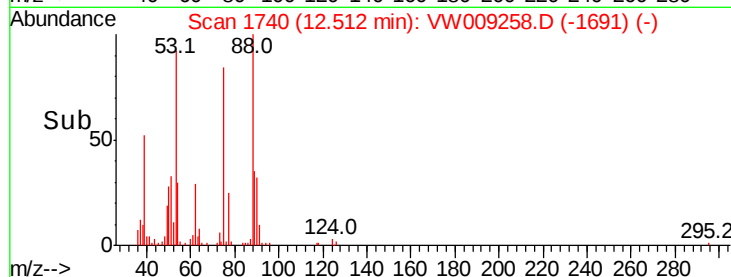
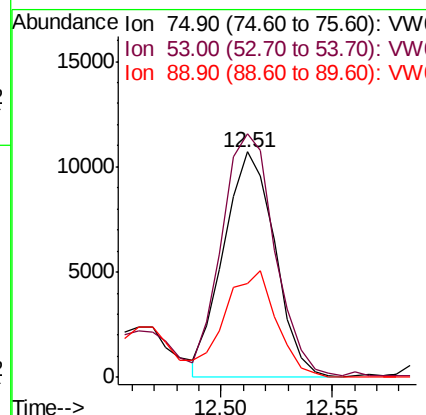
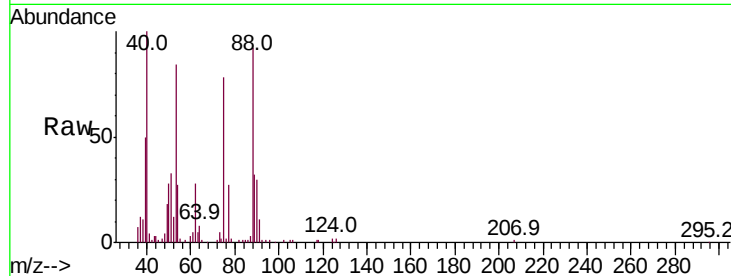
#81
trans-1,4-Dichloro-2-butene
Concen: 21.218 ug/l
RT: 12.51 min Scan# 1740
Delta R.T. 0.00 min
Lab File: VW009258.D
Acq: 20 Mar 2019 01:04

Instrument :
MSVOA_W
ClientSampleId :
VW0319SBS02

Tot Ion	75	Resp	17168
Ion	Ratio	Lower	Upper
75	100		
53	110.9	86.7	130.1
89	47.3	36.4	54.6

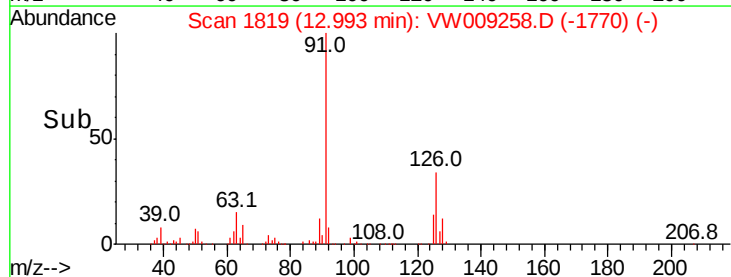
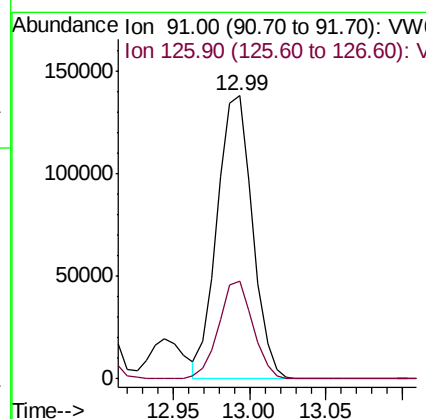
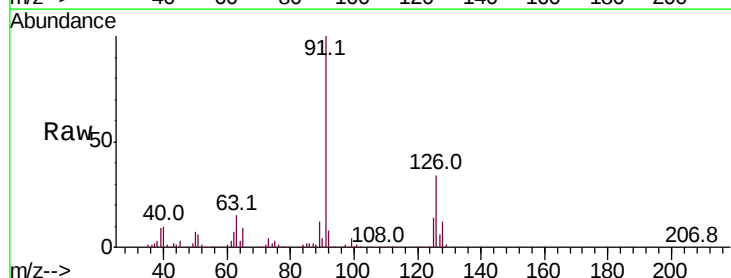
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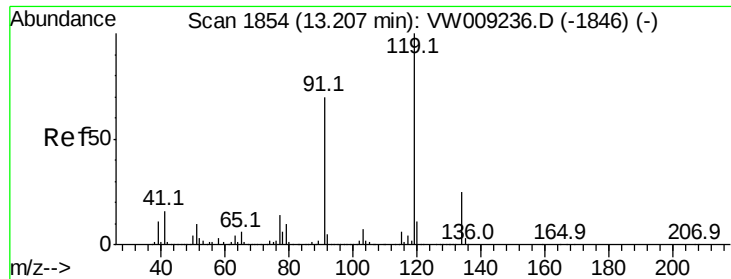
MMDadoda
3/22/2019 3:53:15 AM



#82
4-Chlorotoluene
Concen: 21.316 ug/l
RT: 12.99 min Scan# 1819
Delta R.T. 0.00 min
Lab File: VW009258.D
Acq: 20 Mar 2019 01:04

Tgt Ion	91	Resp	221237
Ion	Ratio	Lower	Upper
91	100		
126	33.6	16.9	50.6





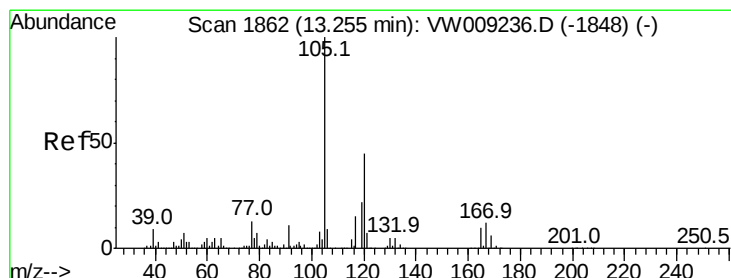
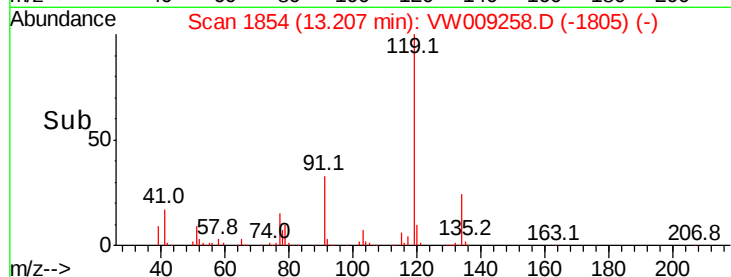
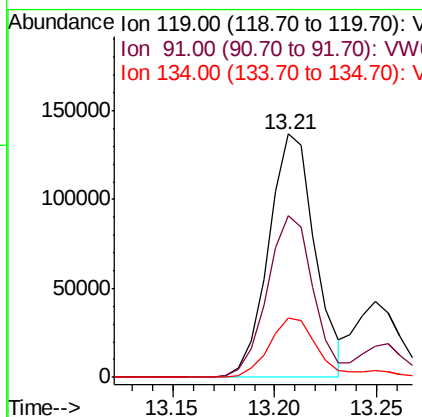
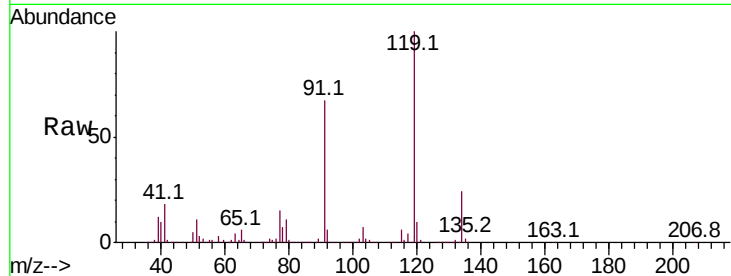
#83
tert-Butylbenzene
Concen: 21.127 ug/l
RT: 13.21 min Scan# 1854
Delta R.T. 0.00 min
Lab File: VW009258.D
Acq: 20 Mar 2019 01:04

Instrument :
MSVOA_W
ClientSampleId :
VW0319SBS02

Tot Ion	Ratio	Lower	Upper
119	100		
91	67.4	34.4	103.2
134	25.3	12.7	38.1

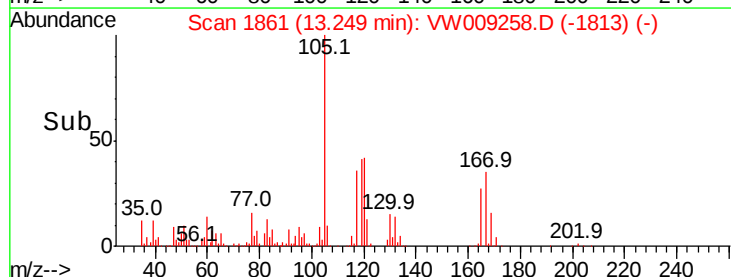
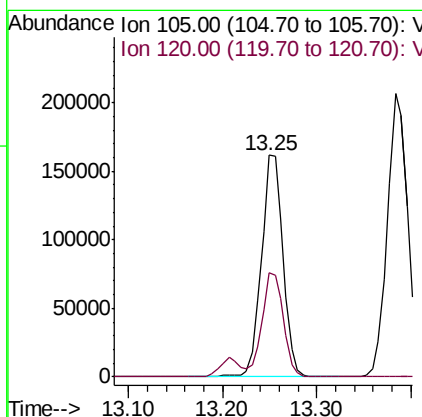
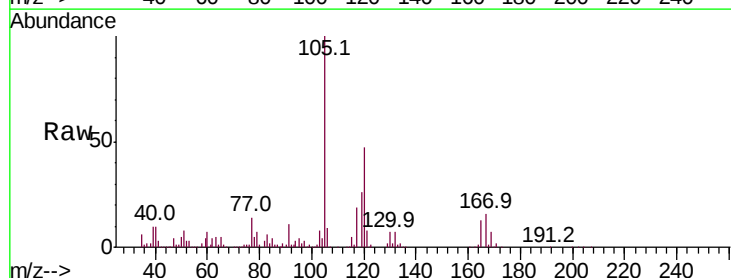
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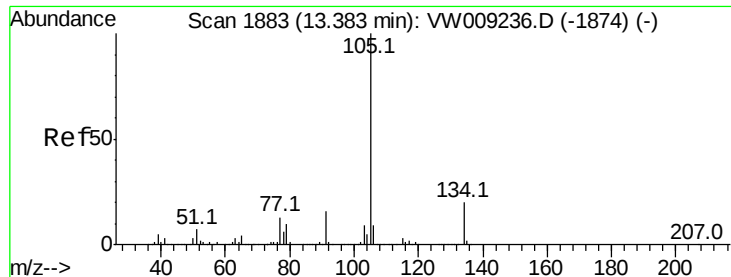
MMDadoda
3/22/2019 3:53:15 AM



#84
1,2,4-Trimethylbenzene
Concen: 21.181 ug/l
RT: 13.25 min Scan# 1861
Delta R.T. -0.01 min
Lab File: VW009258.D
Acq: 20 Mar 2019 01:04

Tgt Ion	Ratio	Lower	Upper
105	100		
120	46.2	22.8	68.3





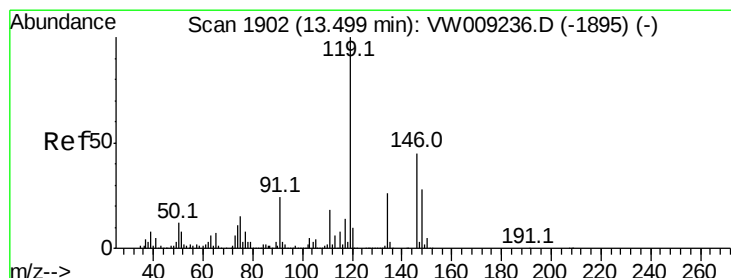
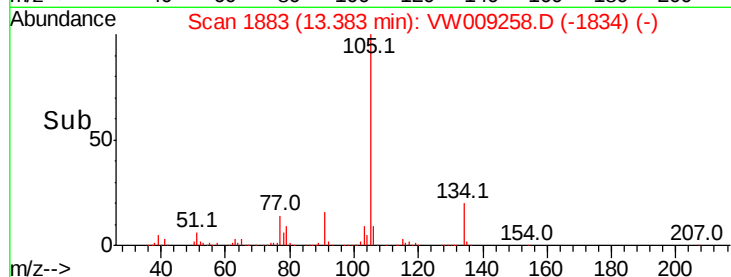
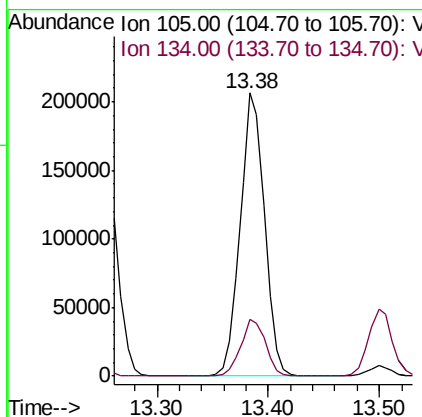
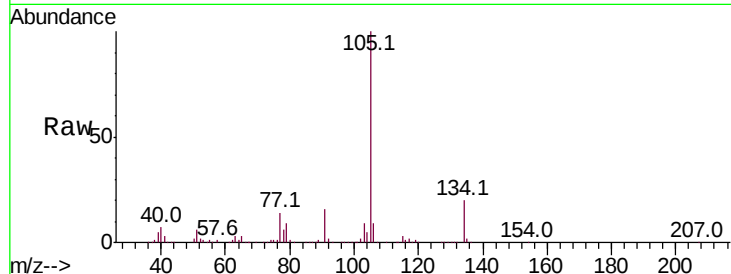
#85
 sec-Butylbenzene
 Concen: 20.568 ug/l
 RT: 13.38 min Scan# 1883
 Delta R.T. 0.00 min
 Lab File: VW009258.D
 Acq: 20 Mar 2019 01:04

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0319SBS02

Tot Ion	Ratio	Lower	Upper
105	100		
134	20.4	10.2	30.6

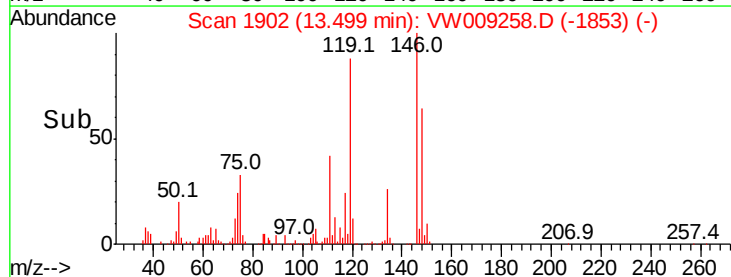
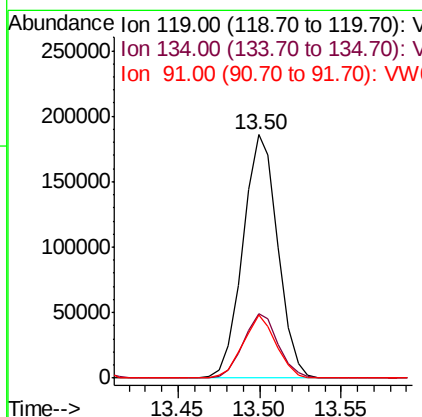
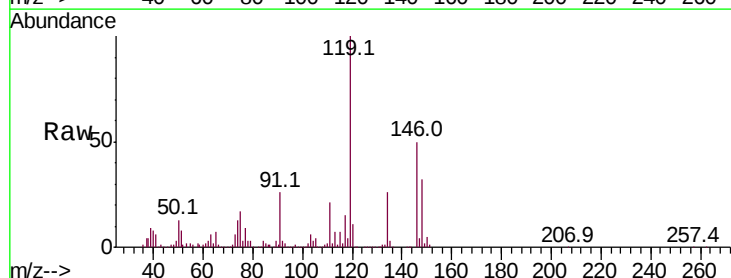
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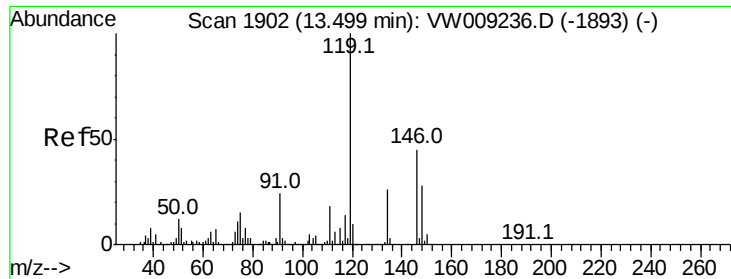
MMDadoda
 3/22/2019 3:53:15 AM



#86
 p-Isopropyltoluene
 Concen: 20.505 ug/l
 RT: 13.50 min Scan# 1902
 Delta R.T. 0.00 min
 Lab File: VW009258.D
 Acq: 20 Mar 2019 01:04

Tgt Ion	Ratio	Lower	Upper
119	100		
134	26.3	13.1	39.3
91	24.9	12.3	36.8





#87

1,3-Dichlorobenzene

Concen: 21.167 ug/l

RT: 13.50 min Scan# 1902

Delta R.T. 0.00 min

Lab File: VW009258.D

Acq: 20 Mar 2019 01:04

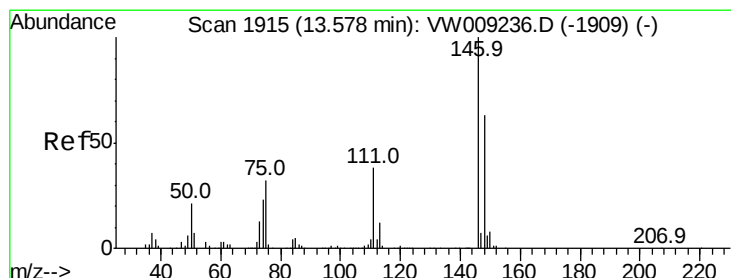
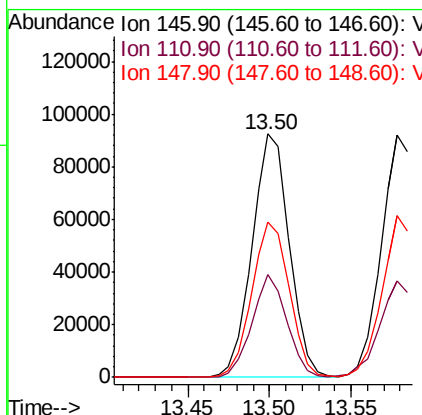
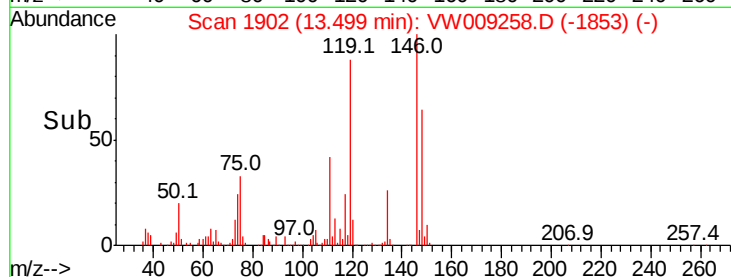
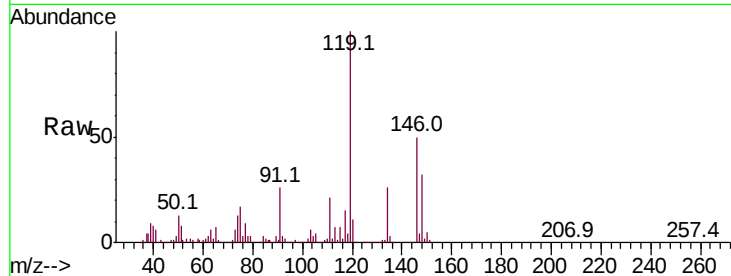
Instrument :
MSVOA_W

ClientSampleId :
VW0319SBS02

Tot Ion	Ratio	Lower	Upper
146	100		
111	39.7	20.1	60.2
148	64.5	31.4	94.3

Manual Integrations
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3/22/2019 3:53:15 AM



#88

1,4-Dichlorobenzene

Concen: 21.438 ug/l

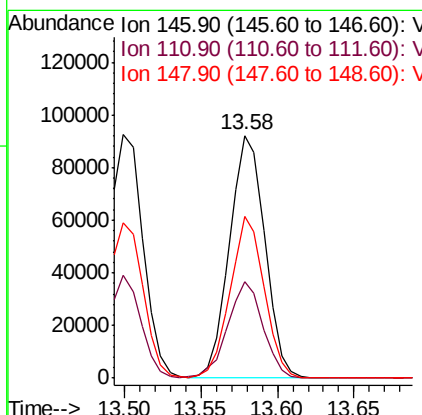
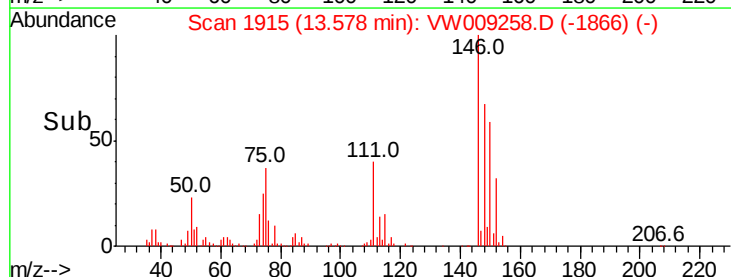
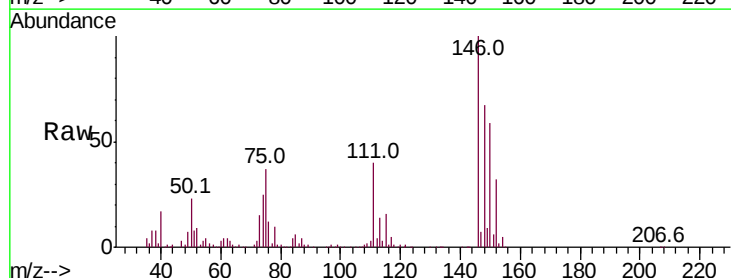
RT: 13.58 min Scan# 1915

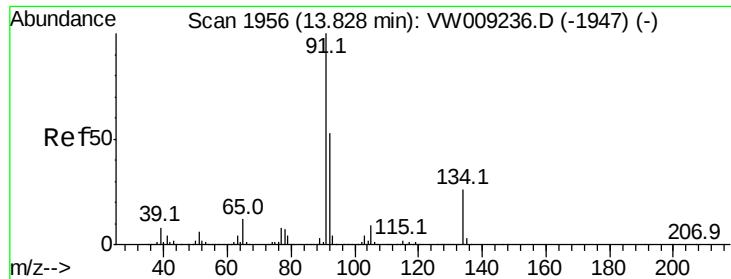
Delta R.T. 0.00 min

Lab File: VW009258.D

Acq: 20 Mar 2019 01:04

Tgt Ion	Ratio	Lower	Upper
146	100		
111	39.7	19.9	59.6
148	64.2	32.2	96.6





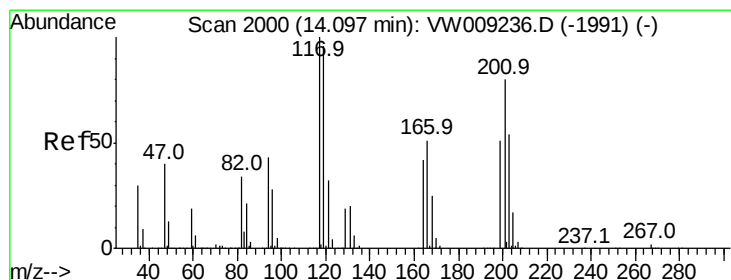
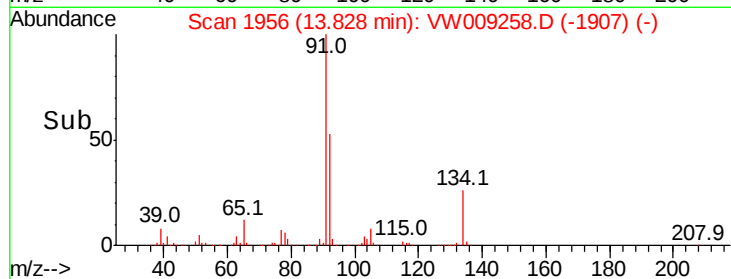
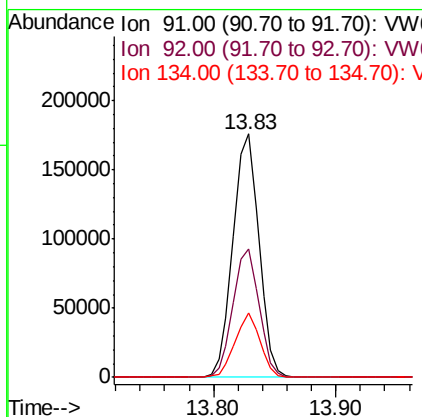
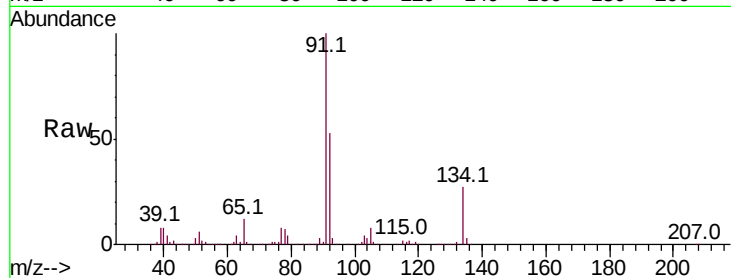
#89
n-Butylbenzene
Concen: 19.992 ug/l
RT: 13.83 min Scan# 1956
Delta R.T. 0.00 min
Lab File: VW009258.D
Acq: 20 Mar 2019 01:04

Instrument :
MSVOA_W
ClientSampleId :
VW0319SBS02

Tot Ion	Ratio	Lower	Upper
91	100		
92	52.8	26.4	79.0
134	25.3	12.9	38.6

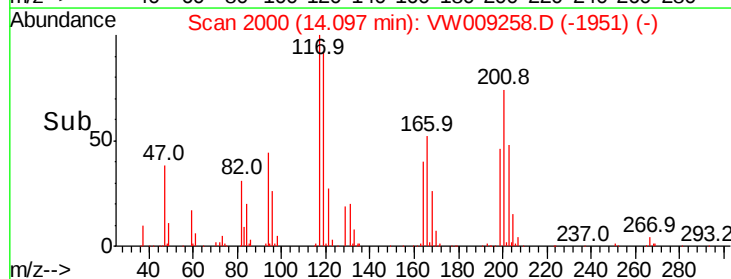
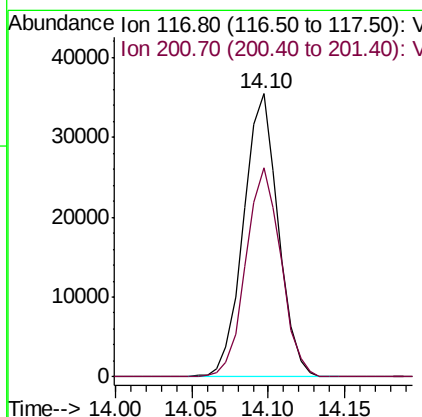
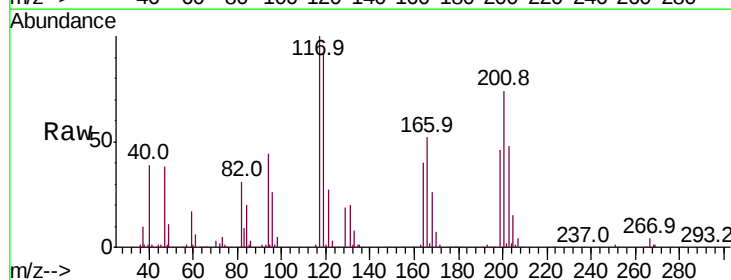
Manual Integrations
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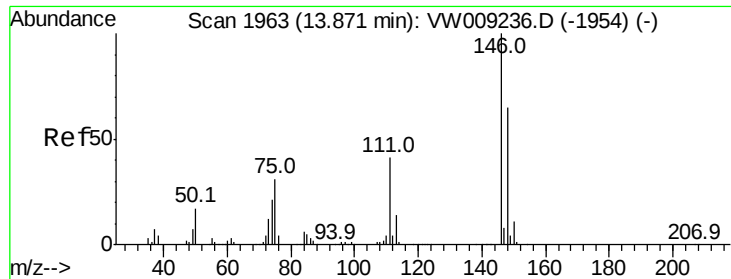
MMDadoda
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#90
Hexachloroethane
Concen: 20.958 ug/l
RT: 14.10 min Scan# 2000
Delta R.T. 0.00 min
Lab File: VW009258.D
Acq: 20 Mar 2019 01:04

Tgt Ion	Ratio	Lower	Upper
117	100		
201	74.8	38.2	114.6





#91

1,2-Dichlorobenzene

Concen: 21.723 ug/l

RT: 13.87 min Scan# 1963

Delta R.T. 0.00 min

Lab File: VW009258.D

Acq: 20 Mar 2019 01:04

Instrument :

MSVOA_W

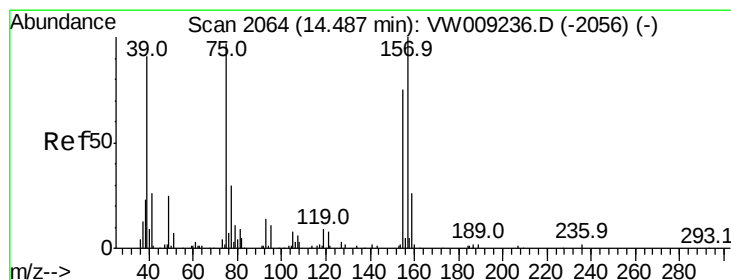
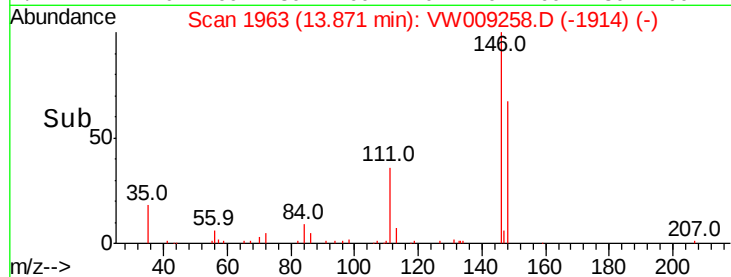
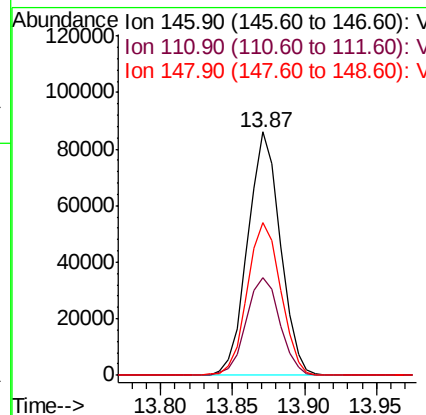
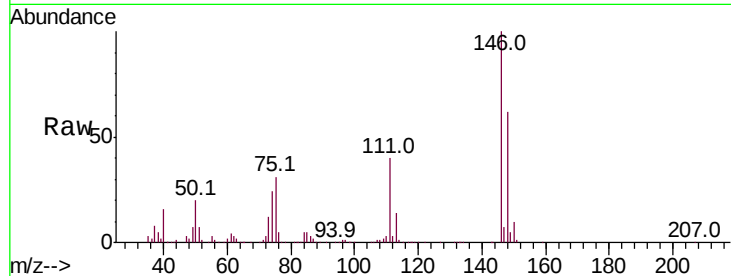
ClientSampleId :

VW0319SBS02

Tot Ion:	146	Resp:	134829
Ion Ratio	Lower	Upper	
146	100		
111	41.5	20.4	61.2
148	64.5	31.9	95.9

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#92

1,2-Dibromo-3-Chloropropane

Concen: 23.195 ug/l

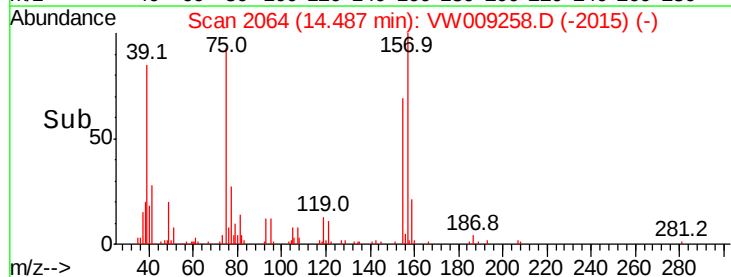
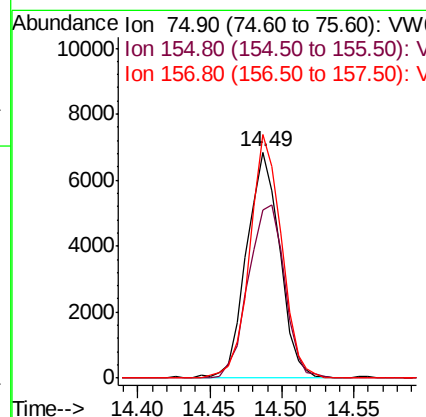
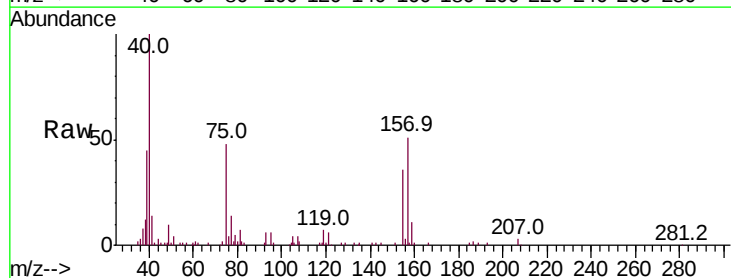
RT: 14.49 min Scan# 2064

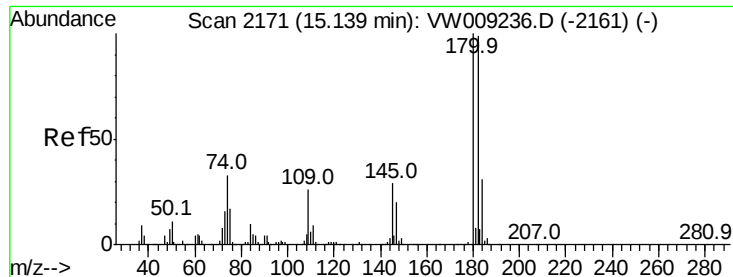
Delta R.T. 0.00 min

Lab File: VW009258.D

Acq: 20 Mar 2019 01:04

Tgt Ion:	75	Resp:	10971
Ion Ratio	Lower	Upper	
75	100		
155	82.9	39.3	117.8
157	102.3	49.5	148.5





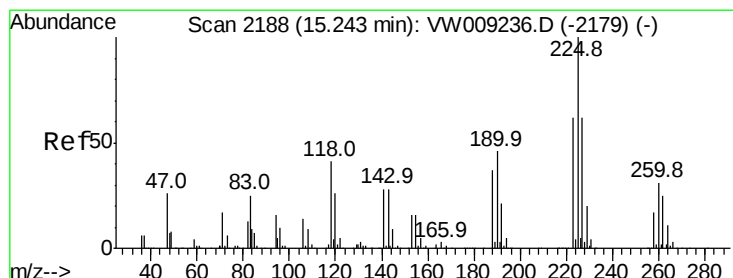
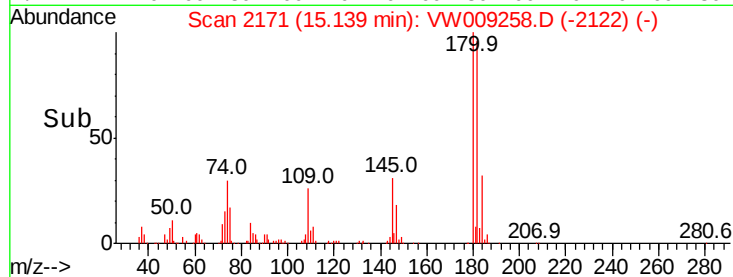
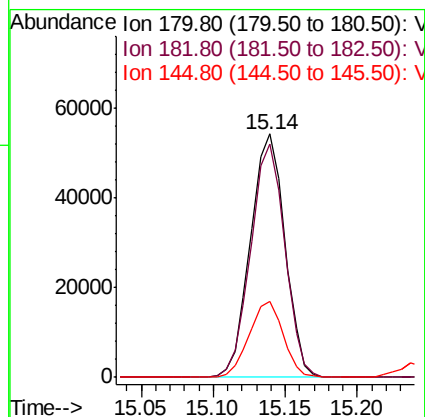
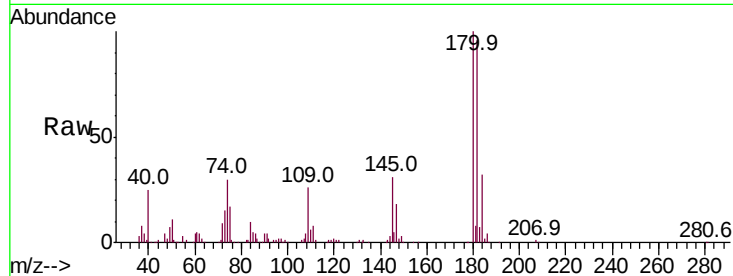
#93
1,2,4-Trichlorobenzene
Concen: 21.541 ug/l
RT: 15.14 min Scan# 2171
Delta R.T. 0.00 min
Lab File: VW009258.D
Acq: 20 Mar 2019 01:04

Instrument :
MSVOA_W
ClientSampleId :
VW0319SBSD02

Tot Ion	Ratio	Resp	Lower	Upper
180	100			
182	95.1	47.9	143.7	
145	30.9	15.0	45.0	

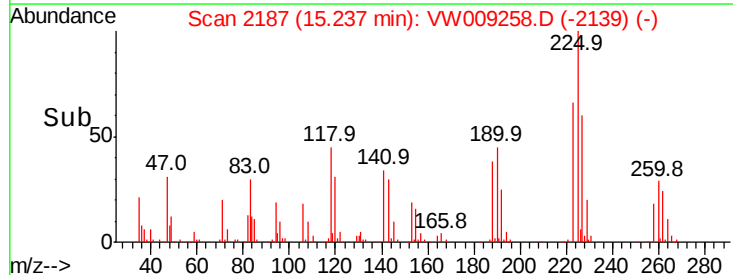
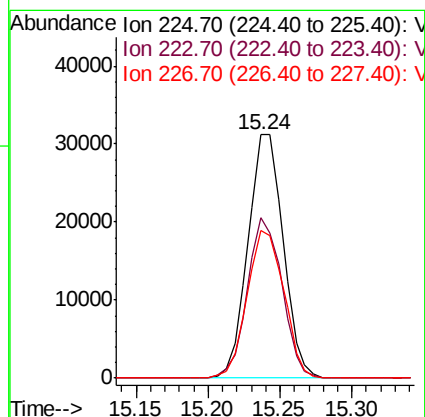
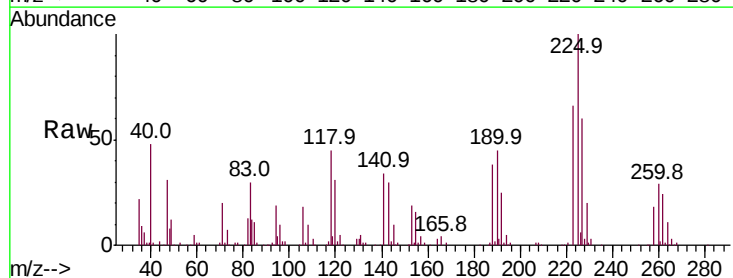
Manual Integrations
APPROVED

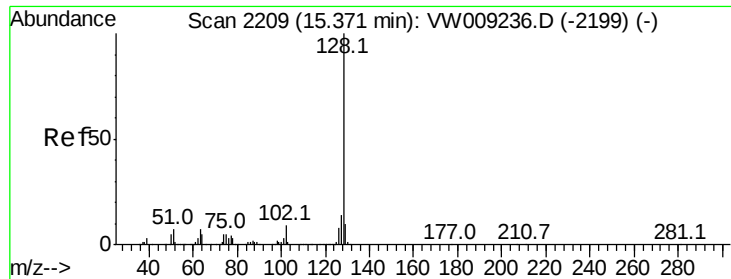
MMDadoda
3/22/2019 3:53:15 AM



#94
Hexachlorobutadiene
Concen: 19.862 ug/l
RT: 15.24 min Scan# 2187
Delta R.T. -0.01 min
Lab File: VW009258.D
Acq: 20 Mar 2019 01:04

Tgt Ion	Ratio	Resp	Lower	Upper
225	100			
223	64.8	31.4	94.3	
227	63.1	32.1	96.5	





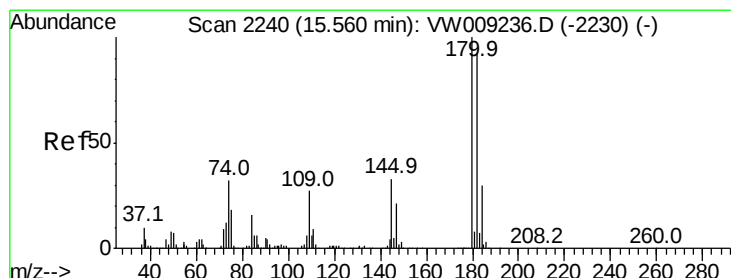
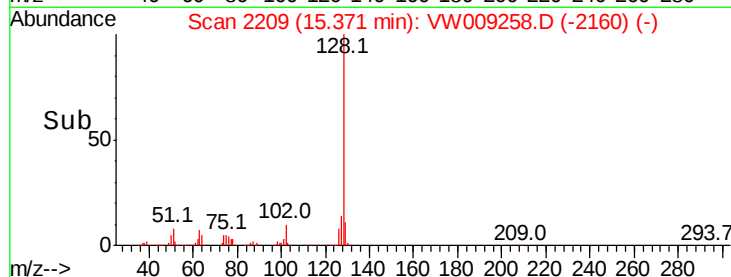
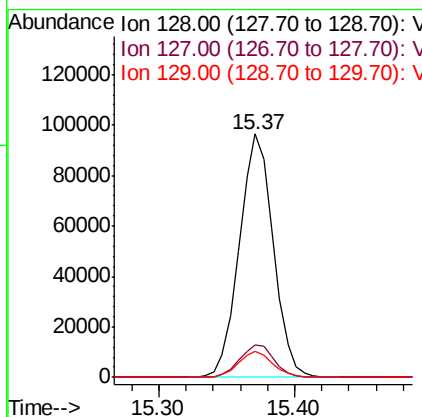
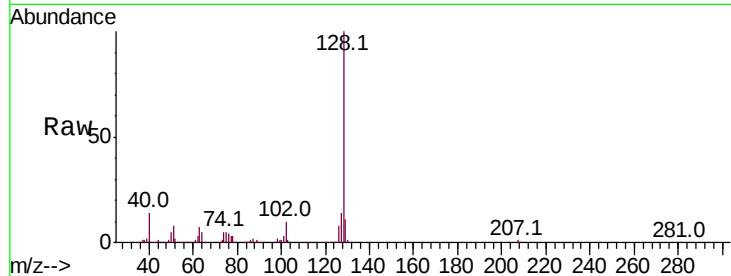
#95
Naphthalene
Concen: 23.227 ug/l
RT: 15.37 min Scan# 2209
Delta R.T. 0.00 min
Lab File: VW009258.D
Acq: 20 Mar 2019 01:04

Instrument :
MSVOA_W
ClientSampleId :
VW0319SBS02

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

Manual Integrations
APPROVED

MMDadoda
3/22/2019 3:53:15 AM



#96
1,2,3-Trichlorobenzene
Concen: 22.348 ug/l
RT: 15.56 min Scan# 2240
Delta R.T. 0.00 min
Lab File: VW009258.D
Acq: 20 Mar 2019 01:04

Tgt Ion	Ratio	Lower	Upper
180	100		
182	94.2	47.3	141.9
145	31.7	16.0	48.0

