

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW031919\
 Data File : VW009257.D
 Acq On : 20 Mar 2019 00:37
 Operator : SY/VA
 Sample : VW0319SBS02
 Misc : 5.00G/5ML/MSVOA W/SOIL
 ALS Vial : 32 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0319SBS02

Manual Integrations
 APPROVED

MMDadoda
 3/22/2019 3:53:14 AM

Quant Time: Mar 20 08:28:24 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	267175	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	427746	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	398318	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	216684	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.31	65	146962	51.71	ug/l	0.00
Spiked Amount			Recovery	=	103.42%	
35) Dibromofluoromethane	7.88	113	129947	47.89	ug/l	0.00
Spiked Amount			Recovery	=	95.78%	
50) Toluene-d8	10.32	98	473904	48.06	ug/l	0.00
Spiked Amount			Recovery	=	96.12%	
62) 4-Bromofluorobenzene	12.62	95	177228	48.95	ug/l	0.00
Spiked Amount			Recovery	=	97.90%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	2.01	85	30592	17.524	ug/l	95
3) Chloromethane	2.21	50	39241	20.261	ug/l	100
4) Vinyl Chloride	2.37	62	53999	18.996	ug/l	95
5) Bromomethane	2.78	94	47737	20.593	ug/l	98
6) Chloroethane	2.93	64	44372	20.120	ug/l	96
7) Trichlorofluoromethane	3.26	101	32818	17.624	ug/l	91
8) Diethyl Ether	3.67	74	29473	21.947	ug/l	97
9) 1,1,2-Trichlorotrifluoroet	4.05	101	49929	18.510	ug/l	96
10) Methyl Iodide	4.27	142	81047	20.843	ug/l #	95
11) Tert butyl alcohol	5.17	59	20408	123.695	ug/l	99
12) 1,1-Dichloroethene	4.04	96	50710	19.888	ug/l	90
13) Acrolein	3.89	56	13689	101.650	ug/l	89
14) Allyl chloride	4.65	41	74472	19.811	ug/l	95
15) Acrylonitrile	5.35	53	64145	113.654	ug/l	97
16) Acetone	4.12	43	55609	95.375	ug/l	99
17) Carbon Disulfide	4.38	76	136304	19.175	ug/l	100
18) Methyl Acetate	4.67	43	31038	20.742	ug/l	99
19) Methyl tert-butyl Ether	5.43	73	70710	22.595	ug/l	97
20) Methylene Chloride	4.92	84	58767	22.639	ug/l	90
21) trans-1,2-Dichloroethene	5.42	96	53538	20.408	ug/l	96
22) Diisopropyl ether	6.31	45	176319	21.757	ug/l	98
23) Vinyl Acetate	6.25	43	555464	109.243	ug/l	99
24) 1,1-Dichloroethane	6.21	63	100933	20.181	ug/l	98
25) 2-Butanone	7.17	43	89486	107.111	ug/l	96
26) 2,2-Dichloropropane	7.17	77	52953	18.949	ug/l	100
27) cis-1,2-Dichloroethene	7.17	96	60271	21.207	ug/l	97
28) Bromochloromethane	7.51	49	46319	21.115	ug/l #	99
29) Tetrahydrofuran	7.53	42	59980	112.950	ug/l	99
30) Chloroform	7.67	83	107617	20.681	ug/l	98
31) Cyclohexane	7.95	56	87616	18.791	ug/l #	88
32) 1,1,1-Trichloroethane	7.87	97	81984	19.738	ug/l	96
36) 1,1-Dichloropropene	8.08	75	77929	18.308	ug/l	99
37) Ethyl Acetate	7.25	43	41506	21.369	ug/l	98
38) Carbon Tetrachloride	8.06	117	81583	18.111	ug/l	95

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.33	83	87202	17.707	ug/l	99
40) Benzene	8.32	78	223757	19.385	ug/l	100
41) Methacrylonitrile	7.48	41	23553	22.499	ug/l	94
42) 1,2-Dichloroethane	8.40	62	79947	21.188	ug/l	98
43) Isopropyl Acetate	8.42	43	77893	20.028	ug/l	99
44) Trichloroethene	9.09	130	59037	18.671	ug/l	97
45) 1,2-Dichloropropane	9.37	63	57729	19.674	ug/l	99
46) Dibromomethane	9.46	93	33030	20.470	ug/l	99
47) Bromodichloromethane	9.64	83	81084	19.886	ug/l	99
48) Methyl methacrylate	9.43	41	37110	20.609	ug/l	99
49) 1,4-Dioxane	9.44	88	10314	412.111	ug/l	94
51) 4-Methyl-2-Pentanone	10.21	43	211918	104.551	ug/l	100
52) Toluene	10.38	92	142219	19.445	ug/l	99
53) t-1,3-Dichloropropene	10.60	75	75639	19.023	ug/l	94
54) cis-1,3-Dichloropropene	10.07	75	86253	19.282	ug/l	96
55) 1,1,2-Trichloroethane	10.79	97	45870	20.994	ug/l	95
56) Ethyl methacrylate	10.65	69	53795	20.677	ug/l	99
57) 1,3-Dichloropropane	10.93	76	79589	21.120	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.92	63	146565	192.535	ug/l	99
59) 2-Hexanone	10.97	43	143216	104.075	ug/l	100
60) Dibromochloromethane	11.12	129	53239	19.723	ug/l	100
61) 1,2-Dibromoethane	11.24	107	43034	20.680	ug/l	100
64) Tetrachloroethene	10.86	164	53959	19.781	ug/l	97
65) Chlorobenzene	11.66	112	162430	19.718	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.73	131	58030	18.860	ug/l	97
67) Ethyl Benzene	11.73	91	273723	19.184	ug/l	99
68) m/p-Xylenes	11.84	106	209945	37.962	ug/l	99
69) o-Xylene	12.16	106	97348	18.956	ug/l	97
70) Styrene	12.18	104	164425	19.419	ug/l	99
71) Bromoform	12.35	173	32822	19.529	ug/l #	98
73) Isopropylbenzene	12.46	105	268419	18.533	ug/l	100
74) N-amyl acetate	12.27	43	77070	20.400	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.71	83	55107	20.341	ug/l	100
76) 1,2,3-Trichloropropane	12.77	75	38849m	19.079	ug/l	
77) Bromobenzene	12.75	156	68232	19.889	ug/l	96
78) n-propylbenzene	12.80	91	332467	18.691	ug/l	98
79) 2-Chlorotoluene	12.89	91	193552	19.155	ug/l	99
80) 1,3,5-Trimethylbenzene	12.94	105	236361	19.191	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.52	75	15709	18.930	ug/l	98
82) 4-Chlorotoluene	12.99	91	207423	19.485	ug/l	100
83) tert-Butylbenzene	13.21	119	196343	18.654	ug/l	99
84) 1,2,4-Trimethylbenzene	13.26	105	244625	19.374	ug/l	100
85) sec-Butylbenzene	13.38	105	291606	18.749	ug/l	100
86) p-Isopropyltoluene	13.50	119	260055	18.777	ug/l	99
87) 1,3-Dichlorobenzene	13.50	146	137535	19.374	ug/l	99
88) 1,4-Dichlorobenzene	13.58	146	135176	19.124	ug/l	98
89) n-Butylbenzene	13.83	91	241437	18.160	ug/l	99
90) Hexachloroethane	14.10	117	51798	18.969	ug/l	100
91) 1,2-Dichlorobenzene	13.87	146	125313	19.685	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.49	75	9642	19.876	ug/l	94

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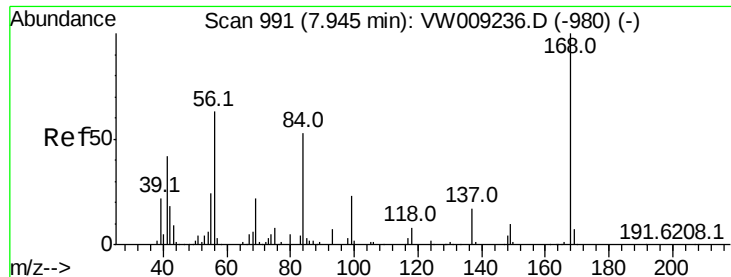
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.13	180	84446	19.753	ug/l	99
94) Hexachlorobutadiene	15.24	225	50707	18.648	ug/l	99
95) Naphthalene	15.37	128	152630	20.606	ug/l	99
96) 1,2,3-Trichlorobenzene	15.56	180	76103	19.942	ug/l	99

(#) = 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: VW009257.D

Acq: 20 Mar 2019 00:37

Instrument :

MSVOA_W

ClientSampleId :

VW0319SBS02

Tot Ion:168 Resp: 267175

Ion Ratio Lower Upper

168 100

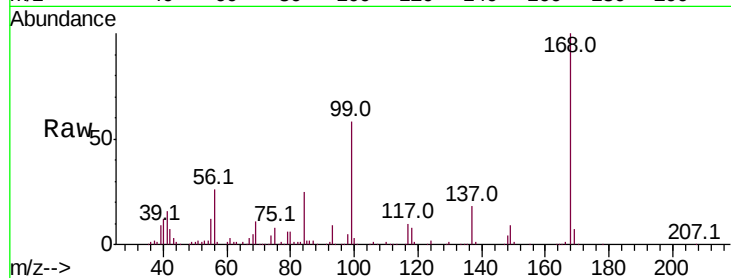
99 57.6 45.4 68.0

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

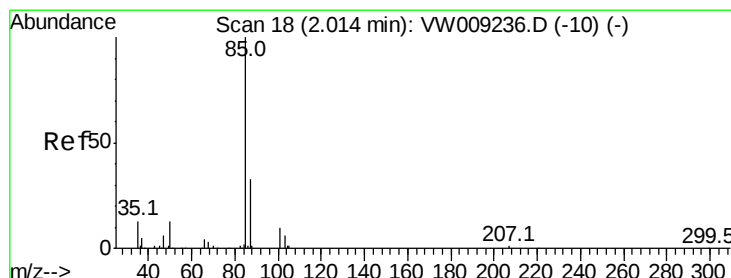
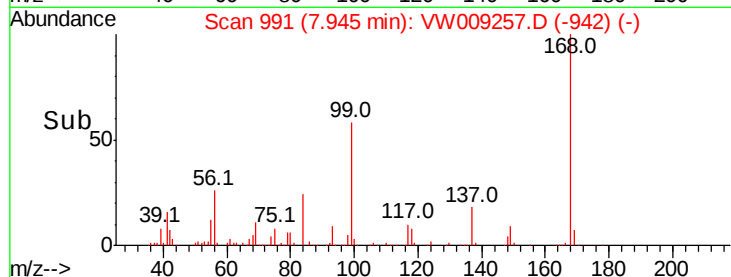
7.95

100000

50000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 17.524 ug/l

RT: 2.01 min Scan# 17

Delta R.T. -0.01 min

Lab File: VW009257.D

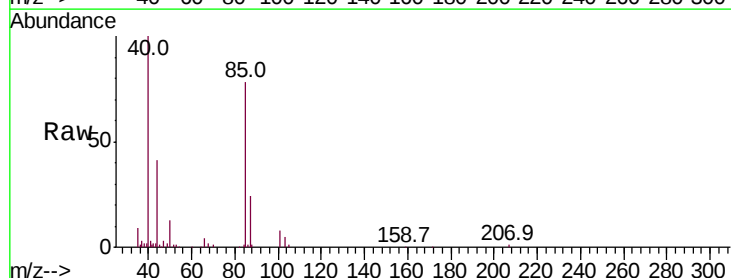
Acq: 20 Mar 2019 00:37

Tgt Ion: 85 Resp: 30592

Ion Ratio Lower Upper

85 100

87 30.7 16.7 50.1



Abundance Ion 84.90 (84.60 to 85.60): VW

Ion 86.90 (86.60 to 87.60): VW

12000

10000

8000

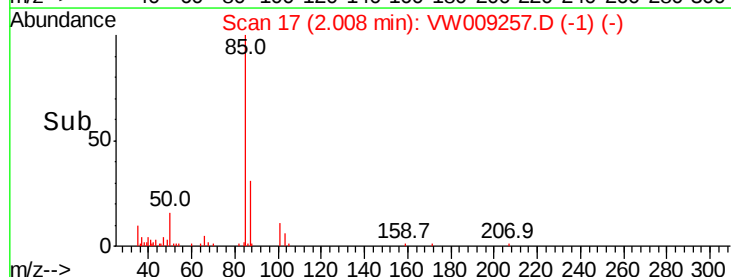
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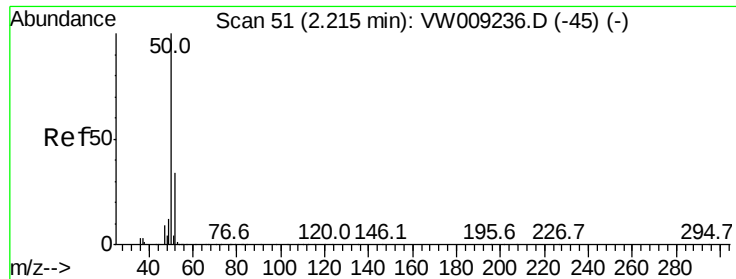
4000

2000

0

Time-->





#3

Chloromethane

Concen: 20.261 ug/l

RT: 2.21 min Scan# 51

Delta R.T. 0.00 min

Lab File: VW009257.D

Acq: 20 Mar 2019 00:37

Instrument :

MSVOA_W

ClientSampleId :

VW0319SBS02

Tot Ion: 50 Resp: 39241

Ion Ratio Lower Upper

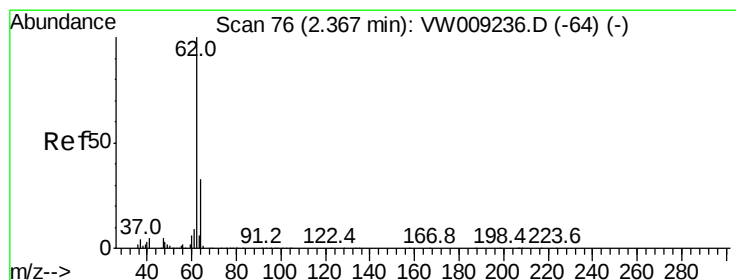
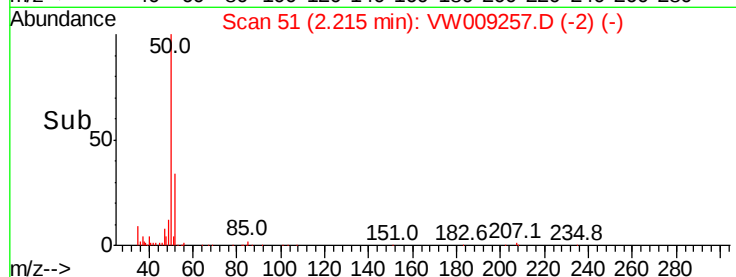
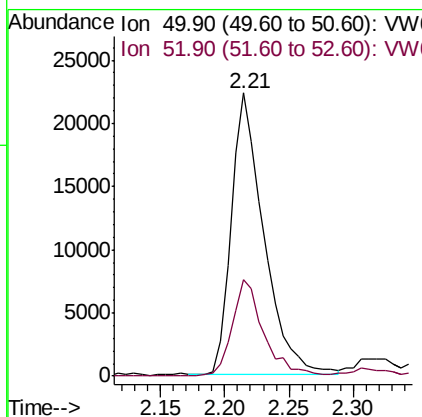
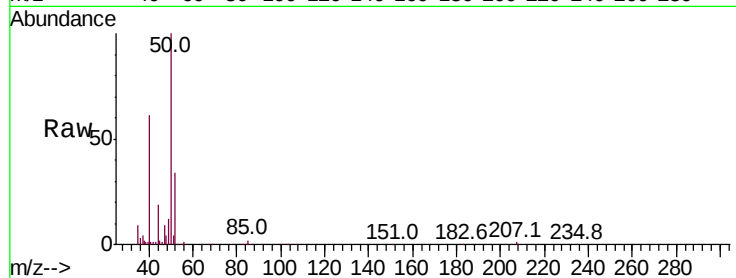
50 100

52 34.2 27.2 40.8

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#4

Vinyl Chloride

Concen: 18.996 ug/l

RT: 2.37 min Scan# 76

Delta R.T. 0.00 min

Lab File: VW009257.D

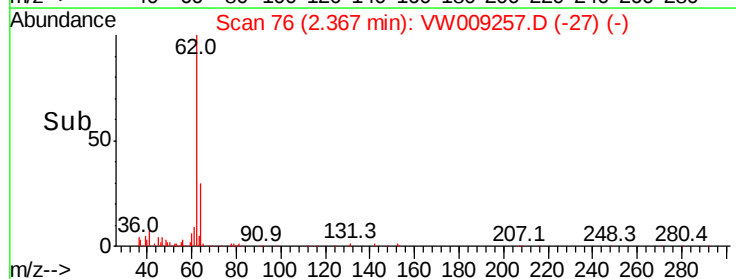
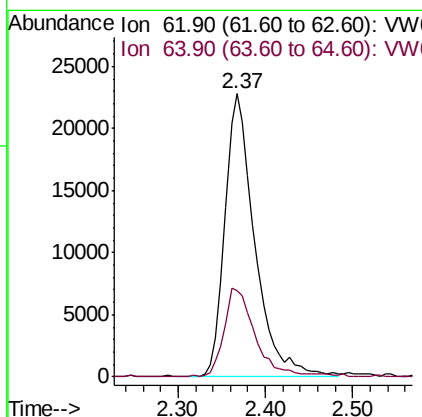
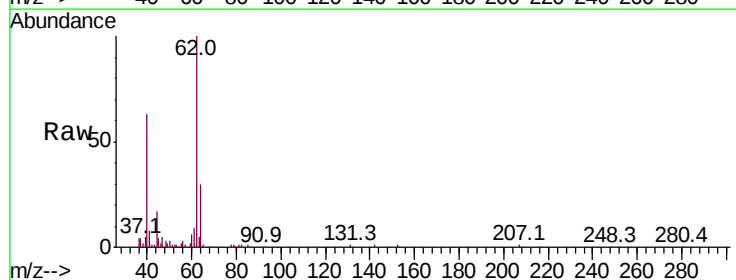
Acq: 20 Mar 2019 00:37

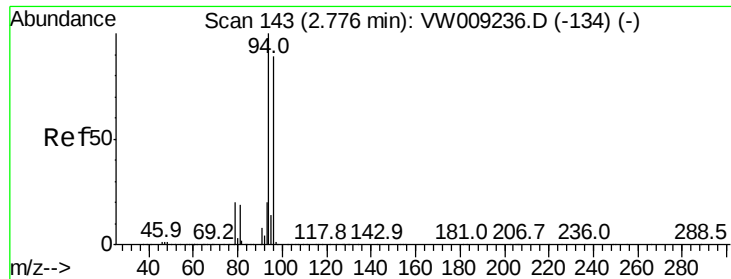
Tgt Ion: 62 Resp: 53999

Ion Ratio Lower Upper

62 100

64 30.1 26.2 39.2





#5

Bromomethane

Concen: 20.593 ug/l

RT: 2.78 min Scan# 143

Delta R.T. 0.00 min

Lab File: VW009257.D

Acq: 20 Mar 2019 00:37

Instrument :

MSVOA_W

ClientSampleId :

VW0319SBS02

Tot Ion: 94 Resp: 47737

Ion Ratio Lower Upper

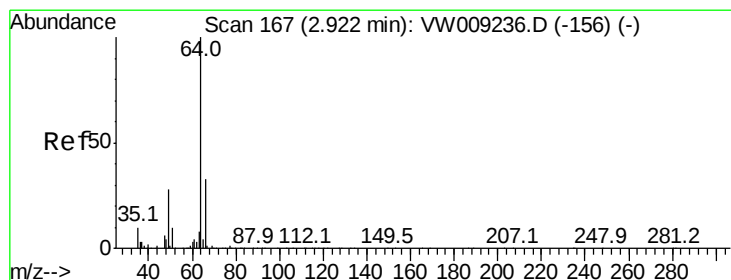
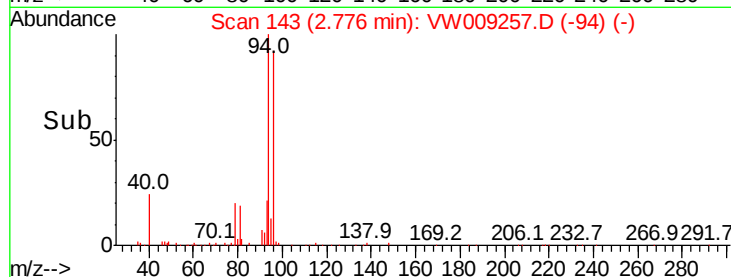
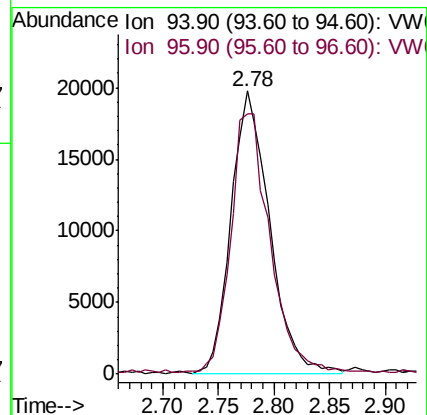
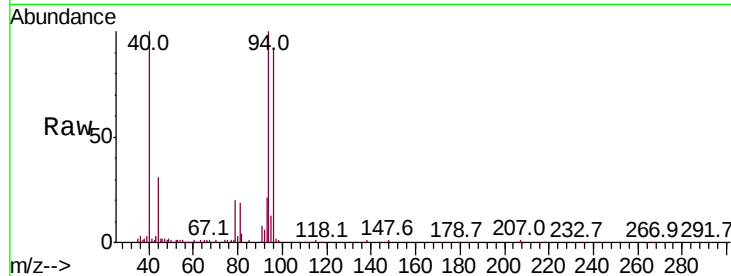
94 100

96 90.9 71.4 107.2

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#6

Chloroethane

Concen: 20.120 ug/l

RT: 2.93 min Scan# 168

Delta R.T. 0.01 min

Lab File: VW009257.D

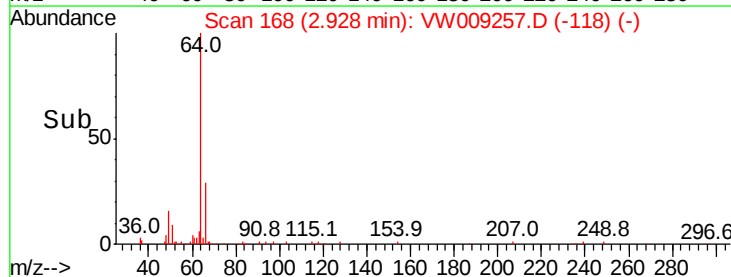
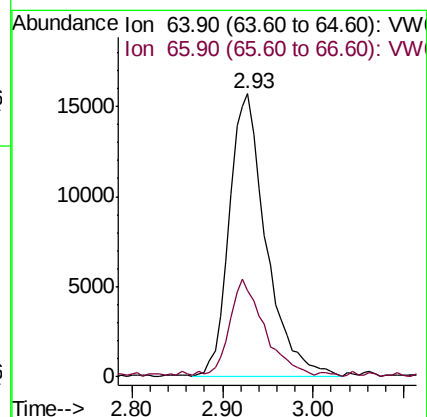
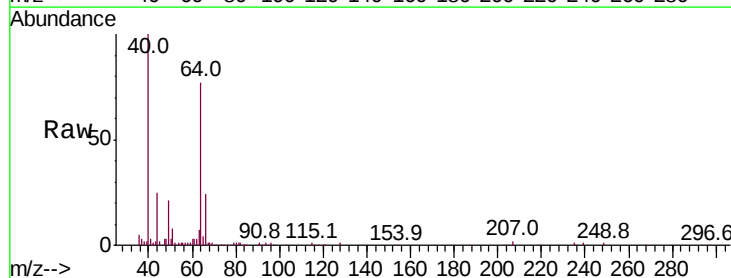
Acq: 20 Mar 2019 00:37

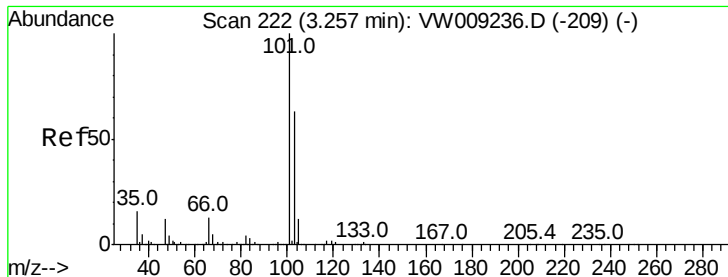
Tgt Ion: 64 Resp: 44372

Ion Ratio Lower Upper

64 100

66 30.5 26.2 39.2





#7

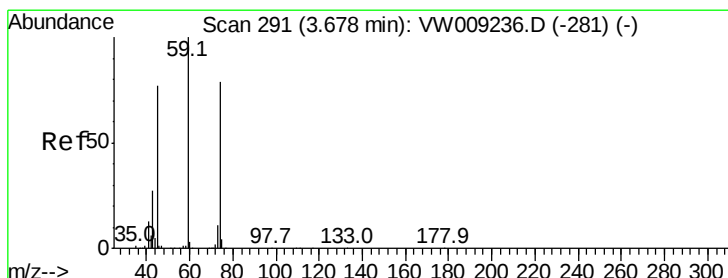
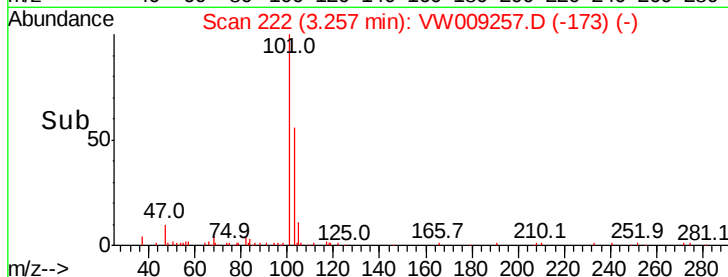
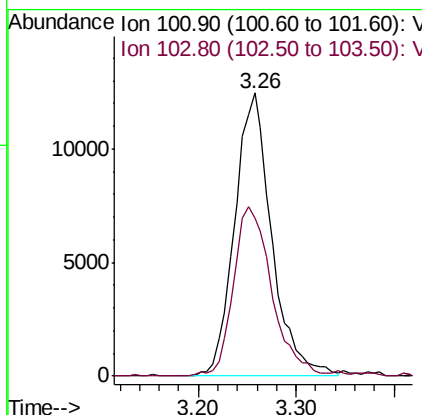
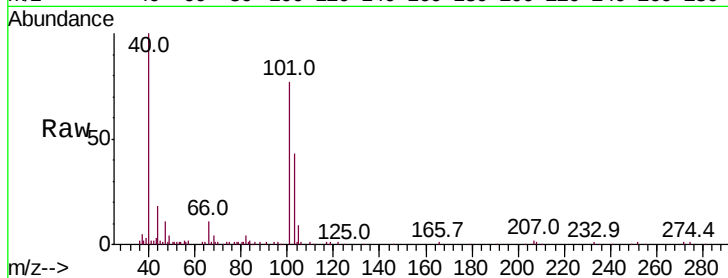
Trichlorofluoromethane
Concen: 17.624 ug/l
RT: 3.26 min Scan# 222
Delta R.T. 0.00 min
Lab File: VW009257.D
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Tot Ion	Ratio	Lower	Upper
101	100		
103	55.9	50.5	75.7

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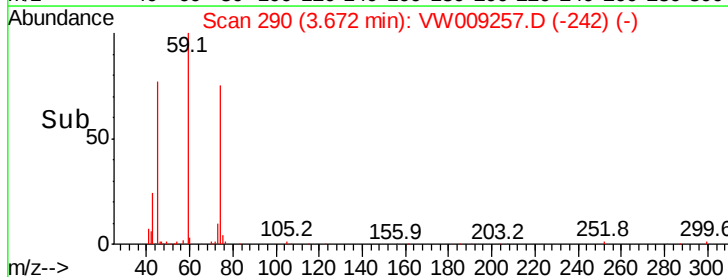
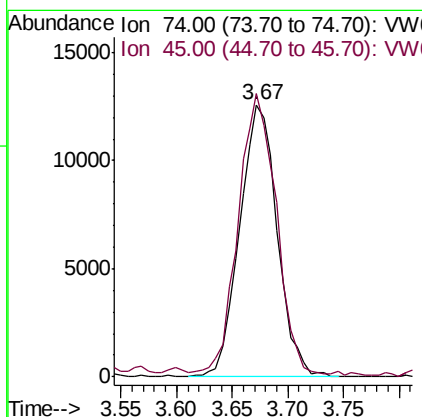
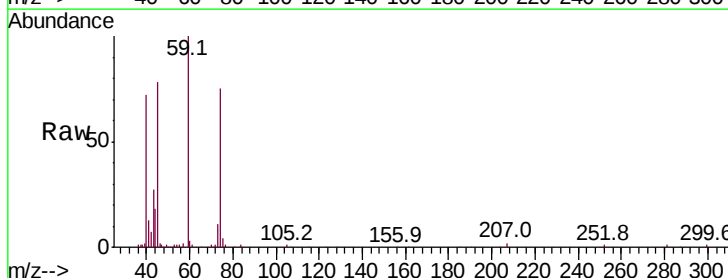
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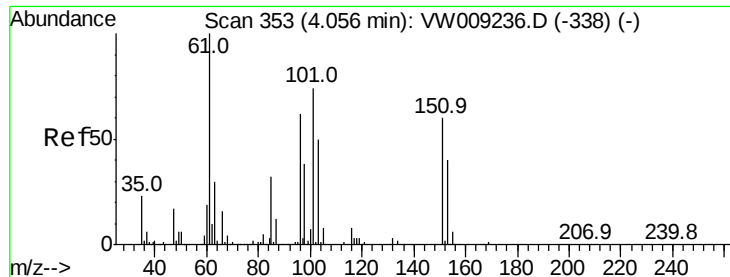


#8

Diethyl Ether
Concen: 21.947 ug/l
RT: 3.67 min Scan# 290
Delta R.T. -0.01 min
Lab File: VW009257.D
Acq: 20 Mar 2019 00:37

Tgt Ion	Ratio	Lower	Upper
74	100		
45	104.2	50.6	151.9





#9

1,1,2-Trichlorotrifluoroethane

Concen: 18.510 ug/l

RT: 4.05 min Scan# 352

Delta R.T. -0.01 min

Lab File: VW009257.D

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Instrument :

MSVOA_W

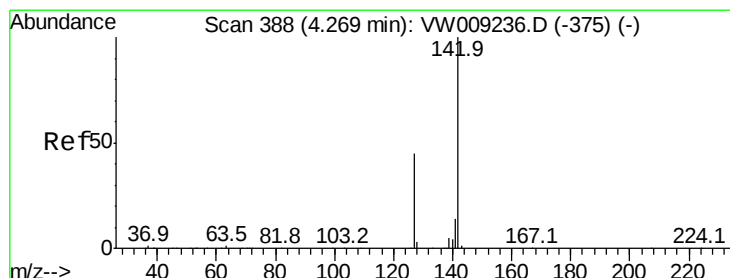
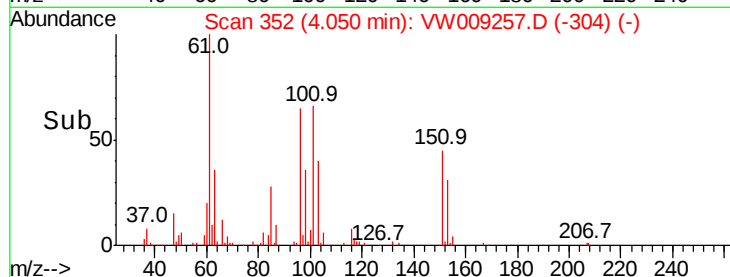
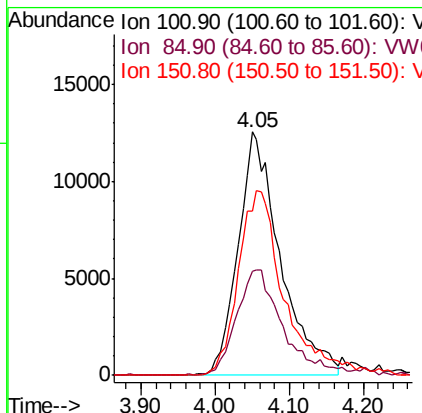
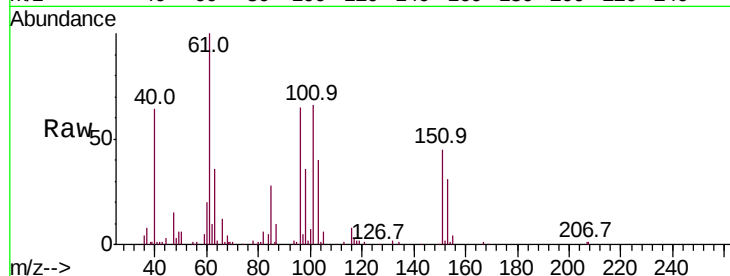
ClientSampleId :

VW0319SBS02

Tot Ion:	101	Resp:	49929
Ion Ratio	Lower	Upper	
101	100		
85	47.5	35.1	52.7
151	82.0	62.9	94.3

Manual Integrations
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3/22/2019 3:53:14 AM



#10

Methyl Iodide

Concen: 20.843 ug/l

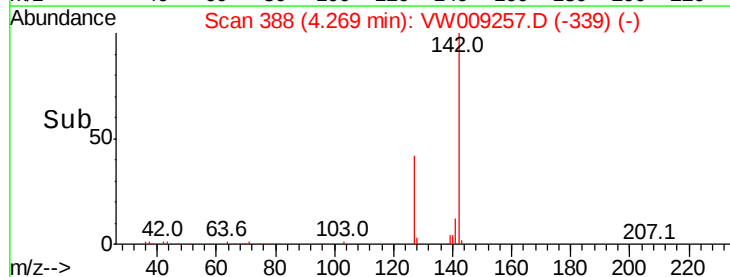
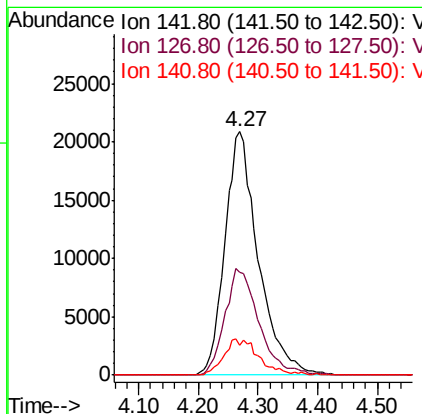
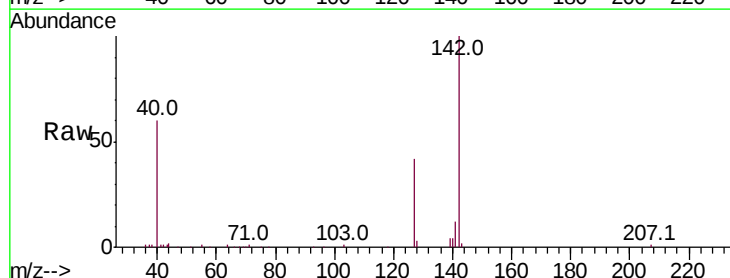
RT: 4.27 min Scan# 388

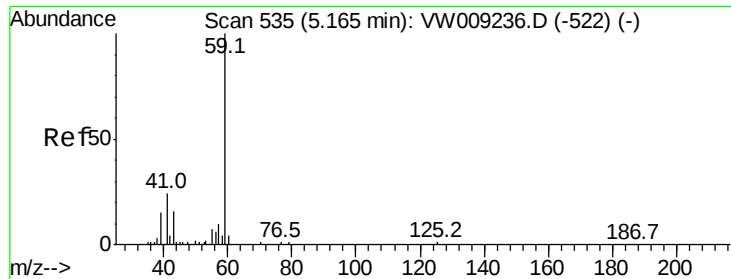
Delta R.T. 0.00 min

Lab File: VW009257.D

Acq: 20 Mar 2019 00:37

Tgt Ion:	142	Resp:	81047
Ion Ratio	Lower	Upper	
142	100		
127	44.4	35.9	53.9
141	7.4	11.4	17.2





#11

Tert butyl alcohol

Concen: 123.695 ug/l

RT: 5.17 min Scan# 536

Delta R.T. 0.01 min

Lab File: VW009257.D

Acq: 20 Mar 2019 00:37

Instrument :
MSVOA_W

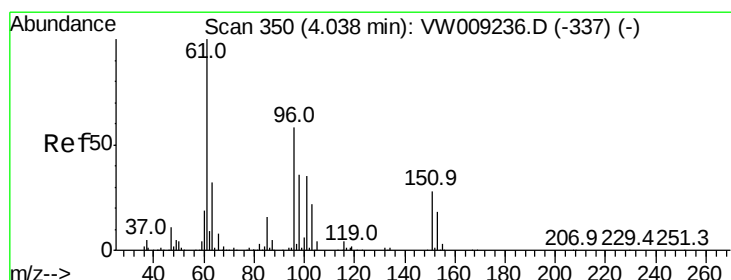
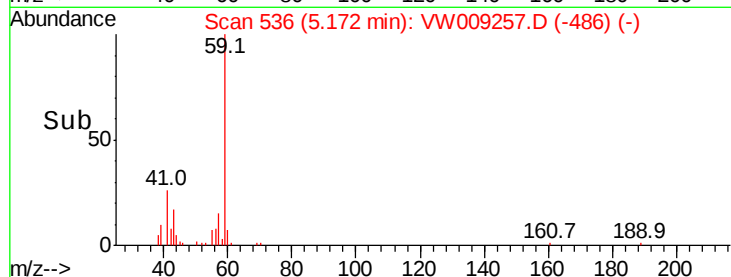
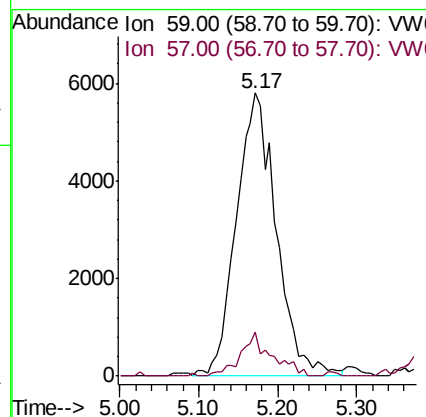
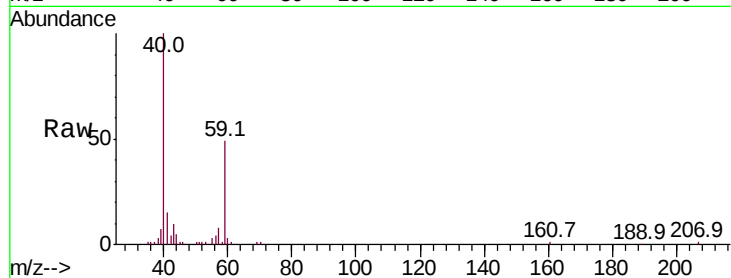
ClientSampleId :
VW0319SBS02

Tot Ion: 59 Resp: 20408

Ion	Ratio	Lower	Upper
59	100		
57	12.0	9.4	14.0

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#12

1,1-Dichloroethene

Concen: 19.888 ug/l

RT: 4.04 min Scan# 351

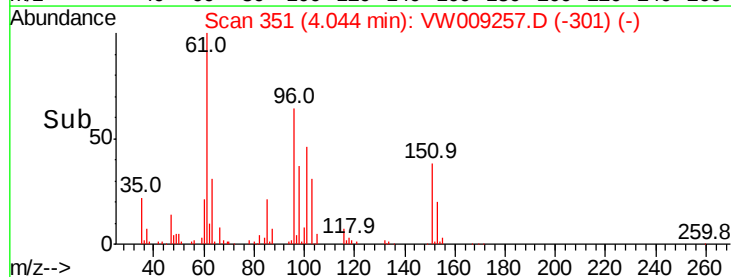
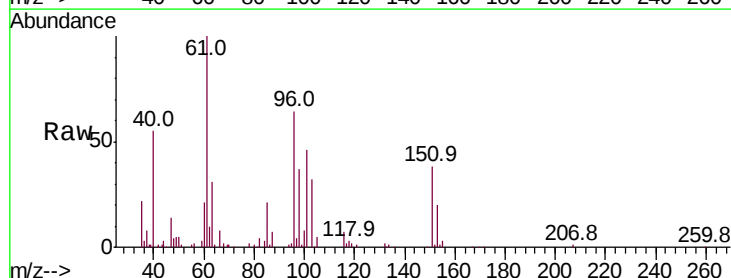
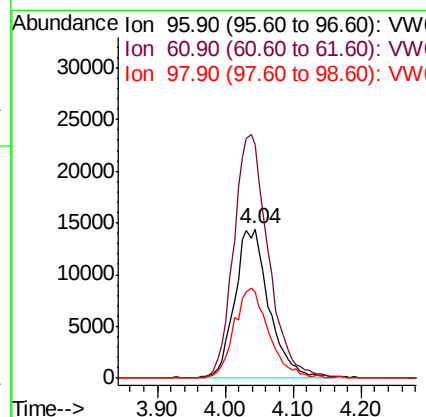
Delta R.T. 0.01 min

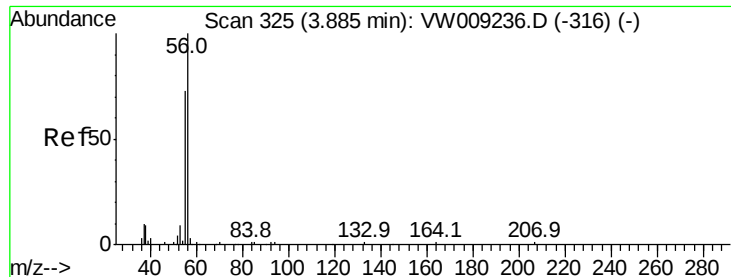
Lab File: VW009257.D

Acq: 20 Mar 2019 00:37

Tgt Ion: 96 Resp: 50710

Ion	Ratio	Lower	Upper
96	100		
61	156.7	138.0	207.0
98	58.0	49.8	74.8





#13

Acrolein

Concen: 101.650 ug/l

RT: 3.89 min Scan# 325

Delta R.T. 0.00 min

Lab File: VW009257.D

Acq: 20 Mar 2019 00:37

Instrument :

MSVOA_W

ClientSampleId :

VW0319SBS02

Tot Ion: 56 Resp: 13689

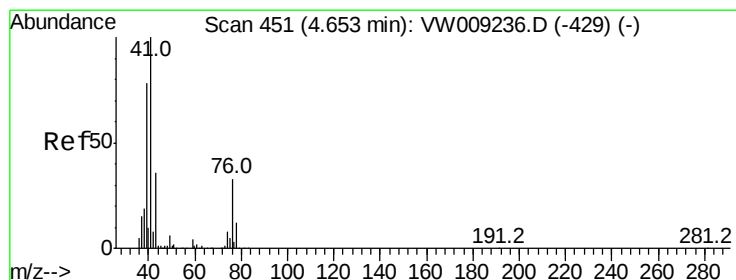
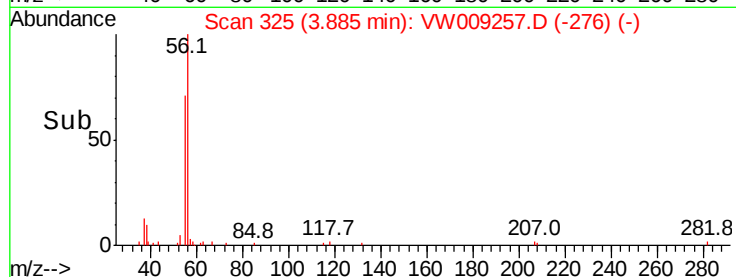
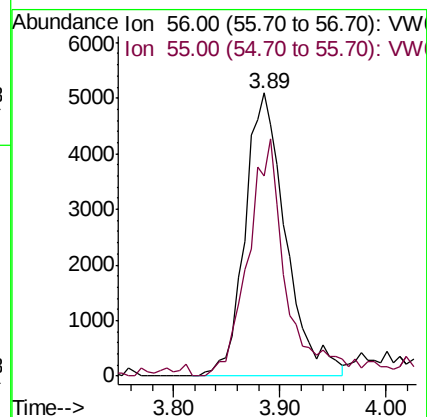
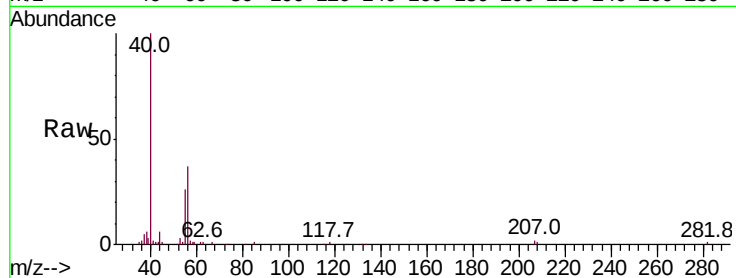
Ion Ratio Lower Upper

56 100

55 77.6 55.2 82.8

Manual Integrations
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#14

Allyl chloride

Concen: 19.811 ug/l

RT: 4.65 min Scan# 451

Delta R.T. 0.00 min

Lab File: VW009257.D

Acq: 20 Mar 2019 00:37

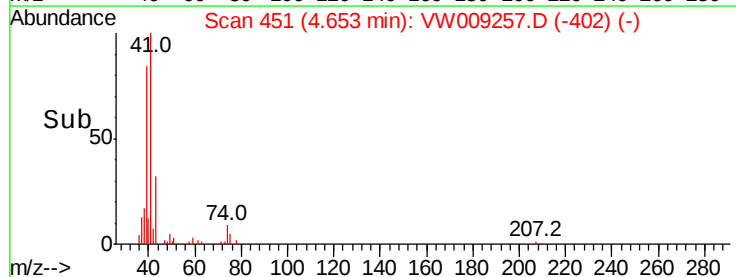
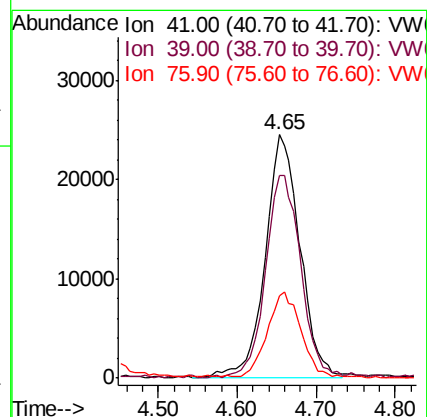
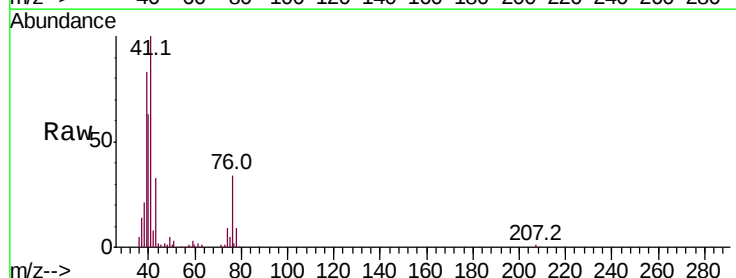
Tgt Ion: 41 Resp: 74472

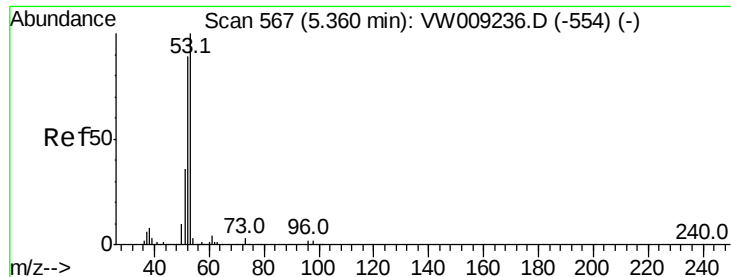
Ion Ratio Lower Upper

41 100

39 85.6 63.8 95.6

76 35.2 27.8 41.6





#15

Acrylonitrile

Concen: 113.654 ug/l

RT: 5.35 min Scan# 566

Delta R.T. -0.01 min

Lab File: VW009257.D

Acq: 20 Mar 2019 00:37

Instrument :

MSVOA_W

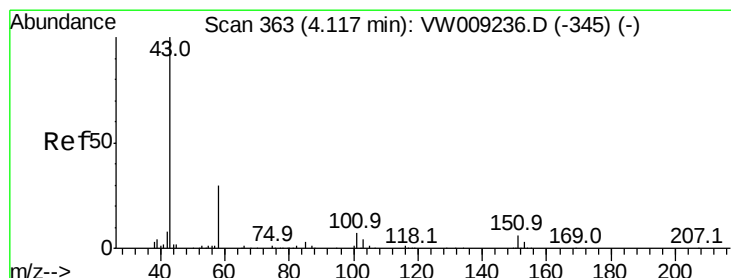
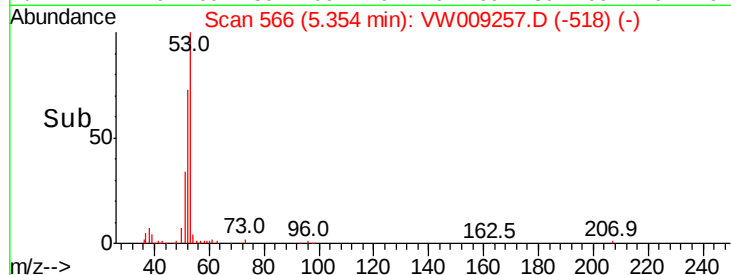
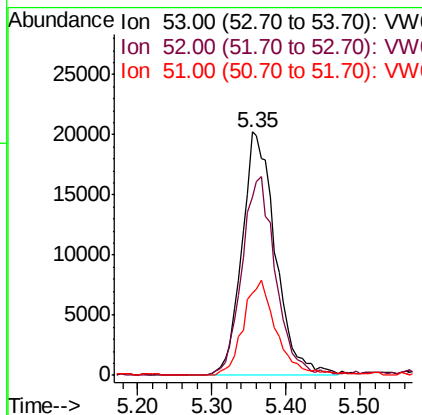
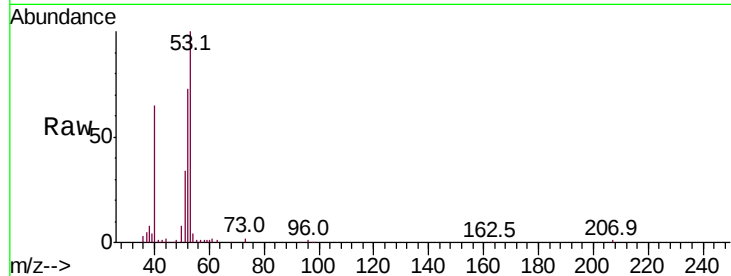
ClientSampleId :

VW0319SBS02

Tot Ion:	53	Resp:	64145
Ion	Ratio	Lower	Upper
53	100		
52	80.8	67.6	101.4
51	38.6	30.6	45.8

Manual Integrations
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#16

Acetone

Concen: 95.375 ug/l

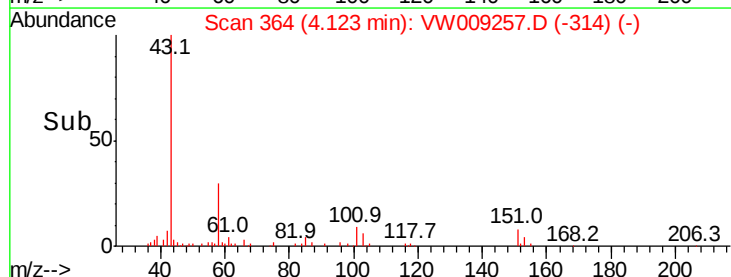
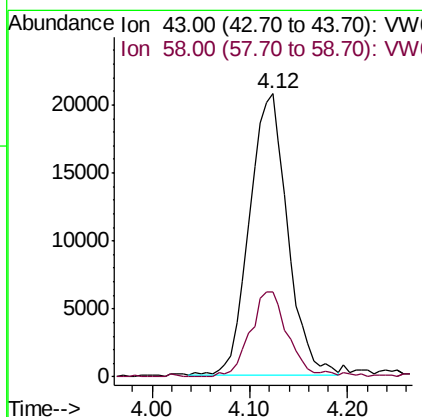
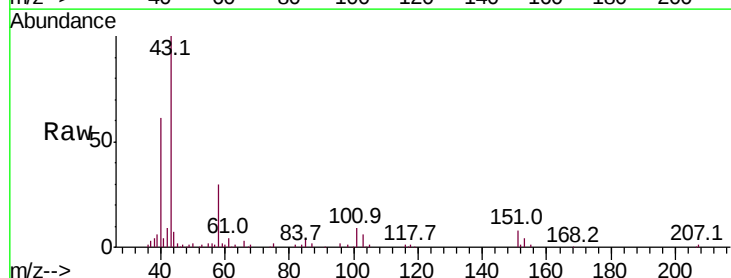
RT: 4.12 min Scan# 364

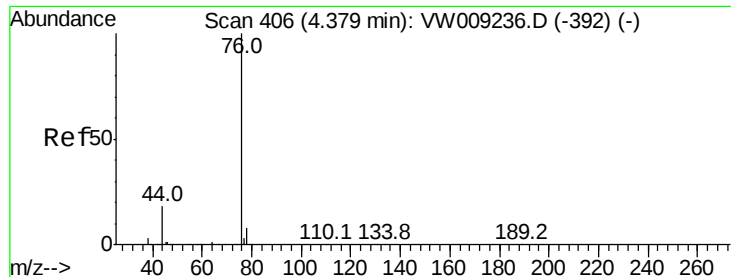
Delta R.T. 0.01 min

Lab File: VW009257.D

Acq: 20 Mar 2019 00:37

Tgt Ion:	43	Resp:	55609
Ion	Ratio	Lower	Upper
43	100		
58	30.2	23.6	35.4





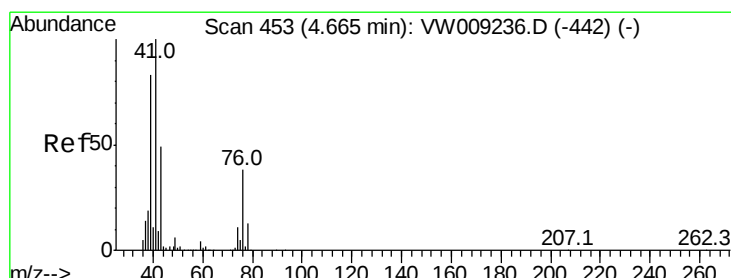
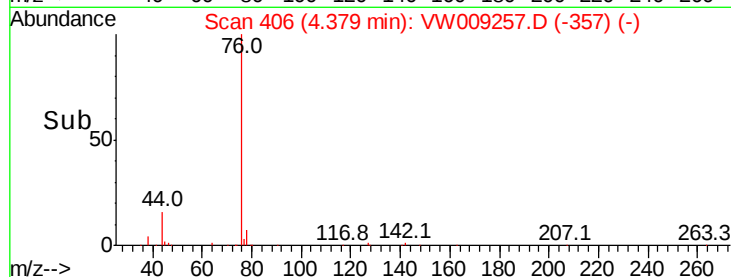
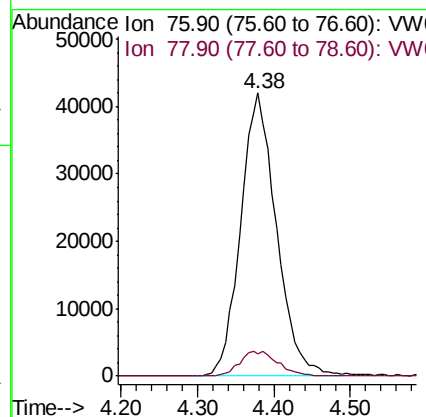
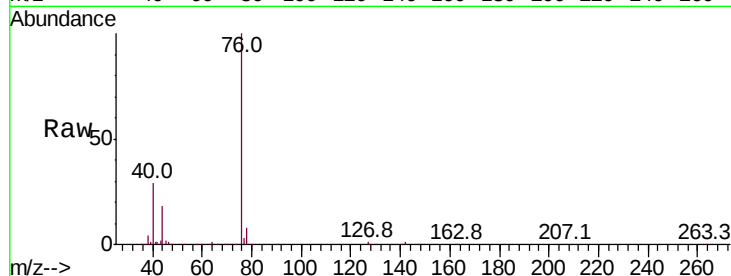
#17
Carbon Disulfide
Concen: 19.175 ug/l
RT: 4.38 min Scan# 406
Delta R.T. 0.00 min
Lab File: VW009257.D
Acq: 20 Mar 2019 00:37

Instrument :
MSVOA_W
ClientSampleId :
VW0319SBS02

Tot Ion	Ratio	Lower	Upper
76	100		
78	8.0	6.6	9.8

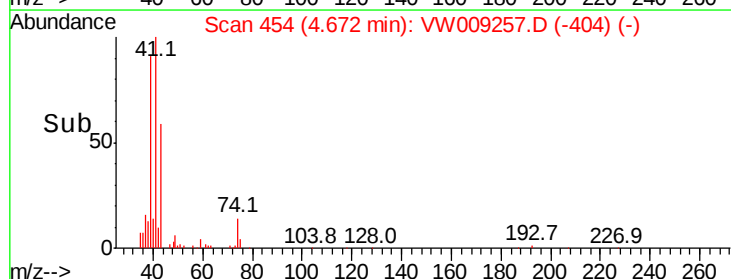
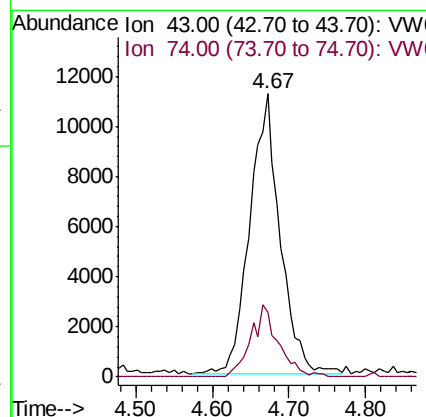
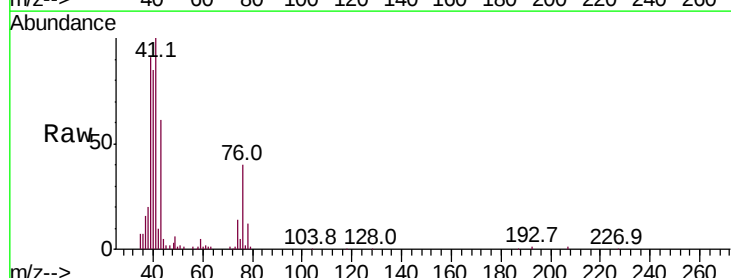
Manual Integrations
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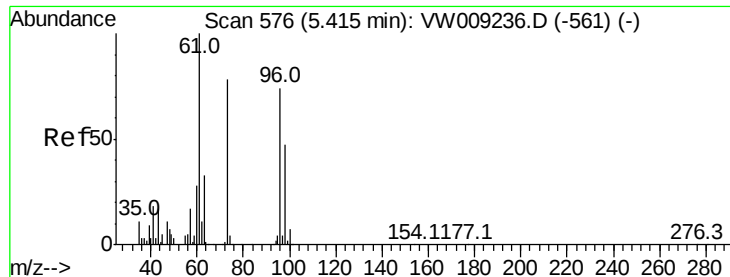
MMDadoda
3/22/2019 3:53:14 AM



#18
Methyl Acetate
Concen: 20.742 ug/l
RT: 4.67 min Scan# 454
Delta R.T. 0.01 min
Lab File: VW009257.D
Acq: 20 Mar 2019 00:37

Tgt Ion	Ratio	Lower	Upper
43	100		
74	22.7	17.7	26.5





#19

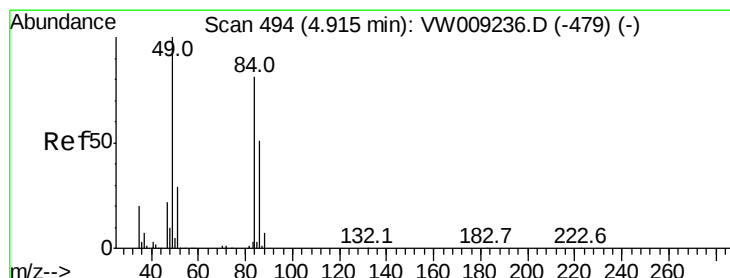
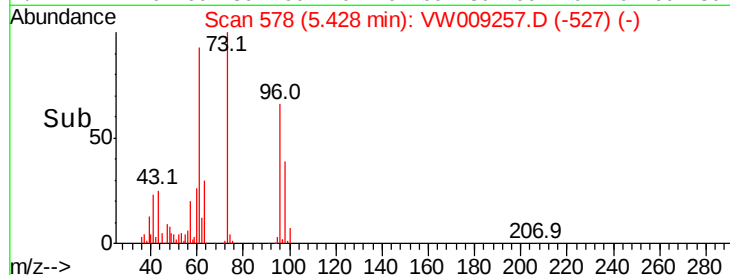
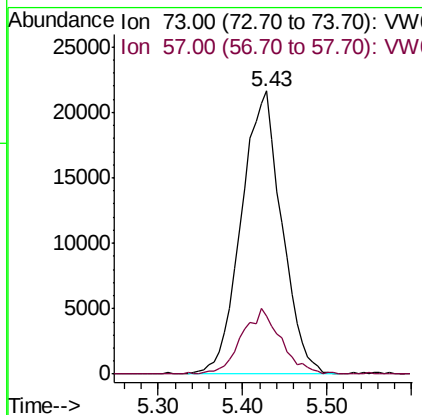
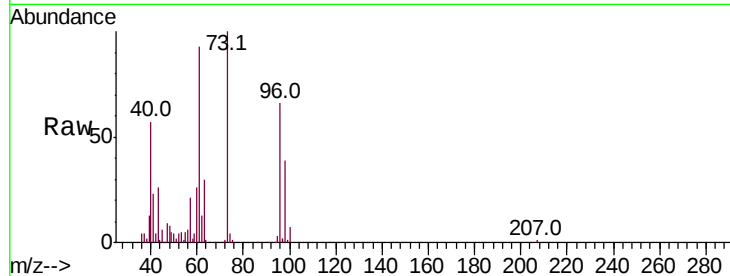
Methyl tert-butyl Ether
 Concen: 22.595 ug/l
 RT: 5.43 min Scan# 578
 Delta R.T. 0.01 min
 Lab File: VW009257.D
 Acq: 20 Mar 2019 00:37

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0319SBS02

Tot Ion: 73 Resp: 70710
 Ion Ratio Lower Upper
 73 100
 57 19.9 17.0 25.6

Manual Integrations
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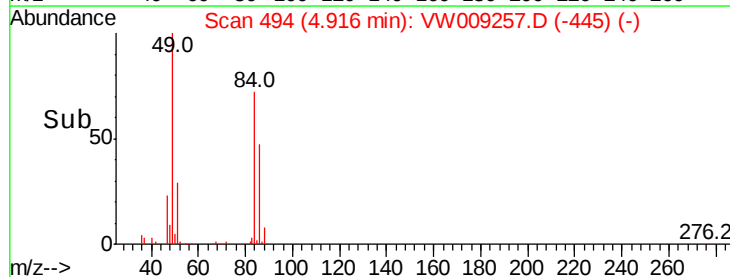
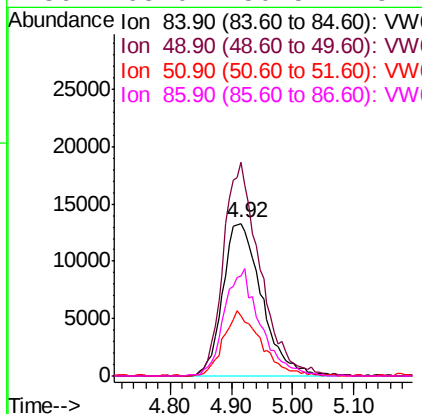
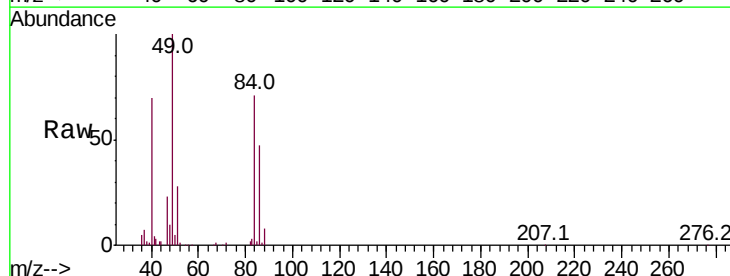
MMDadoda
 3/22/2019 3:53:14 AM

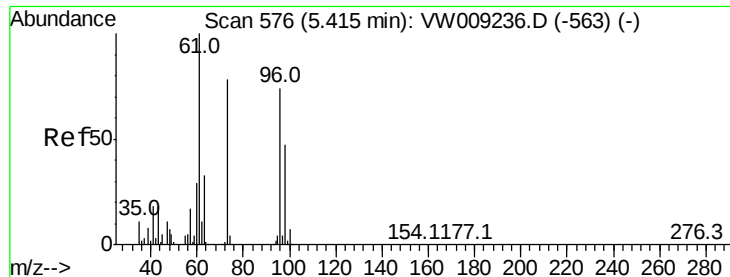


#20

Methylene Chloride
 Concen: 22.639 ug/l
 RT: 4.92 min Scan# 494
 Delta R.T. 0.00 min
 Lab File: VW009257.D
 Acq: 20 Mar 2019 00:37

Tgt Ion: 84 Resp: 58767
 Ion Ratio Lower Upper
 84 100
 49 139.9 99.1 148.7
 51 39.6 28.7 43.1
 86 65.0 50.5 75.7





#21

trans-1,2-Dichloroethene

Concen: 20.408 ug/l

RT: 5.42 min Scan# 576

Delta R.T. 0.00 min

Lab File: VW009257.D

Acq: 20 Mar 2019 00:37

Instrument :

MSVOA_W

ClientSampleId :

VW0319SBS02

Tot Ion: 96 Resp: 53538

Ion Ratio Lower Upper

96 100

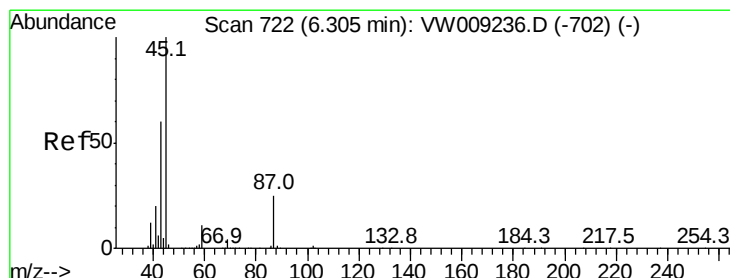
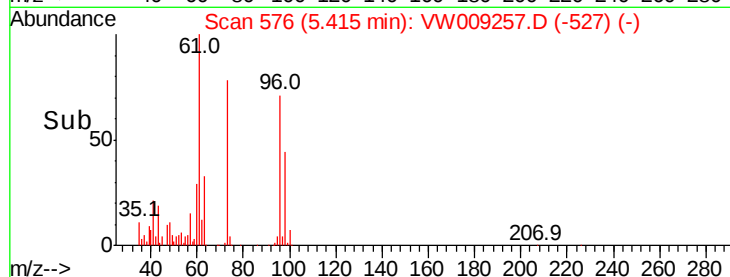
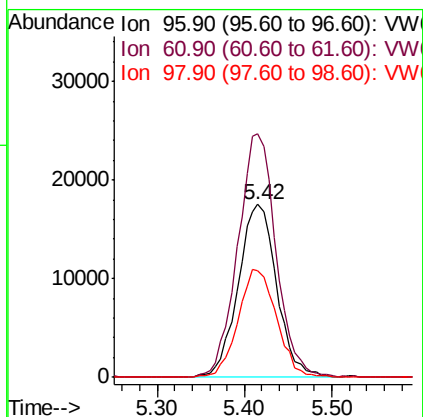
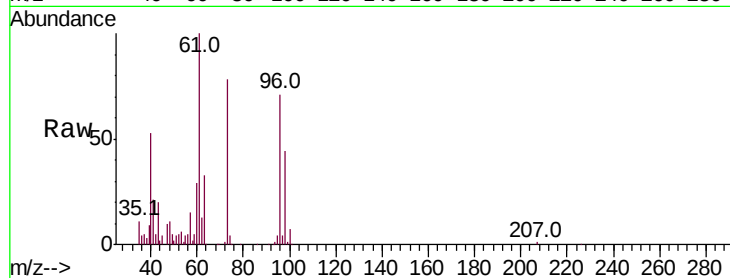
61 141.0 108.2 162.4

98 61.9 50.9 76.3

Manual Integrations
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#22

Diisopropyl ether

Concen: 21.757 ug/l

RT: 6.31 min Scan# 722

Delta R.T. 0.00 min

Lab File: VW009257.D

Acq: 20 Mar 2019 00:37

Tgt Ion: 45 Resp: 176319

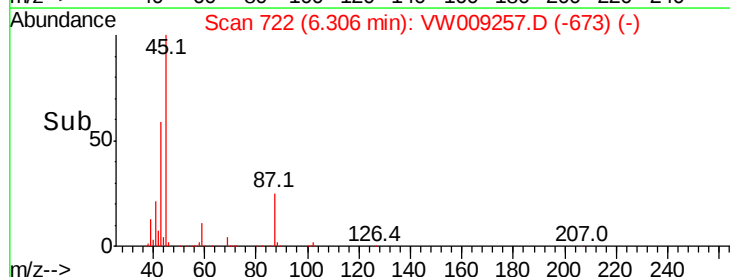
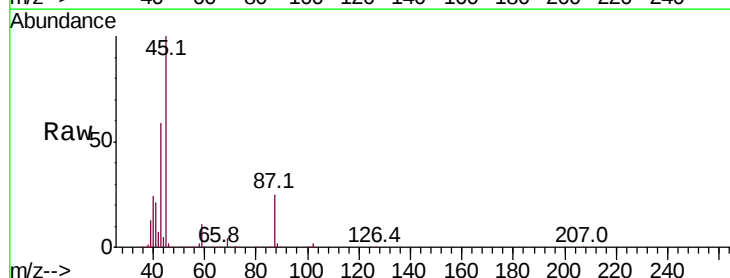
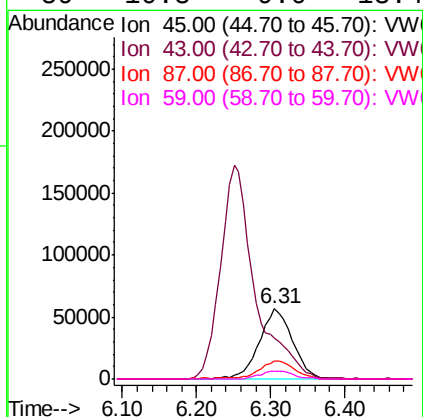
Ion Ratio Lower Upper

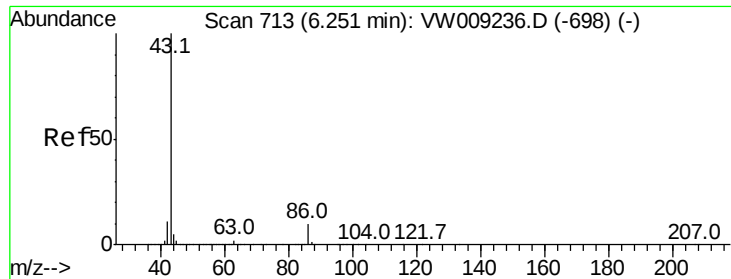
45 100

43 58.5 47.9 71.9

87 25.2 20.6 30.8

59 10.8 9.0 13.4





#23

Vinyl Acetate

Concen: 109.243 ug/l

RT: 6.25 min Scan# 713

Delta R.T. 0.00 min

Lab File: VW009257.D

Acq: 20 Mar 2019 00:37

Instrument :

MSVOA_W

ClientSampleId :

VW0319SBS02

Tot Ion: 43 Resp: 555464

Ion Ratio Lower Upper

43 100

86 9.4

7.7

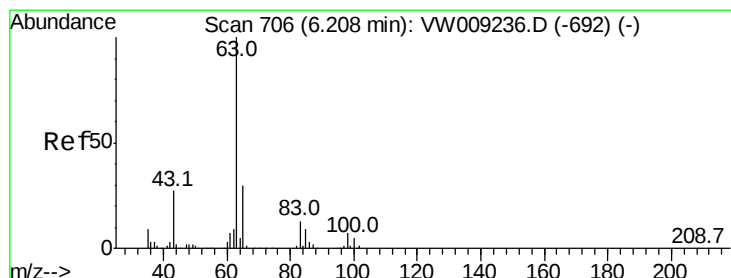
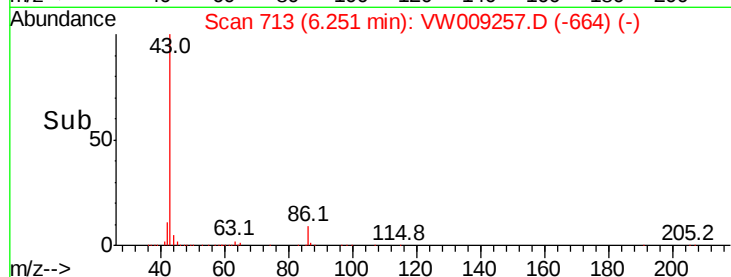
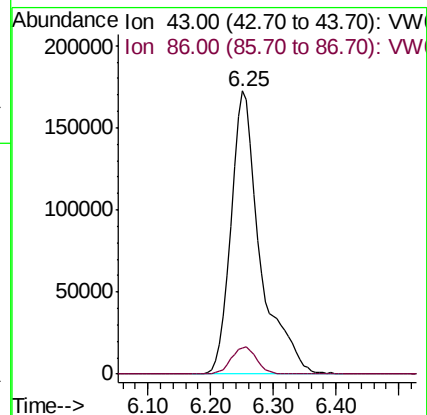
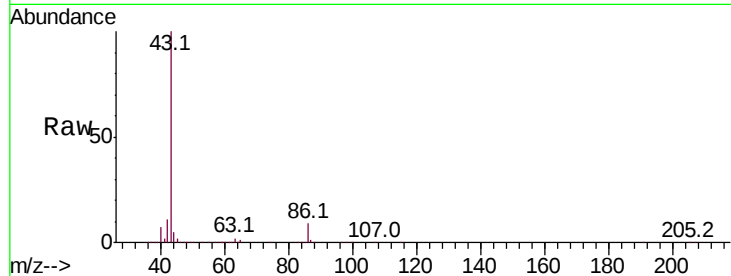
11.5

Manual Integrations

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MMDadoda

3/22/2019 3:53:14 AM



#24

1,1-Dichloroethane

Concen: 20.181 ug/l

RT: 6.21 min Scan# 706

Delta R.T. 0.00 min

Lab File: VW009257.D

Acq: 20 Mar 2019 00:37

Tgt Ion: 63 Resp: 100933

Ion Ratio Lower Upper

63 100

98 6.5

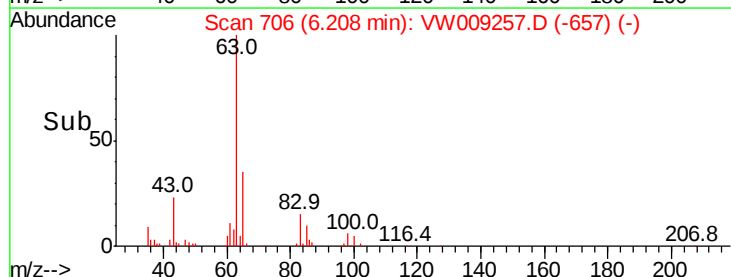
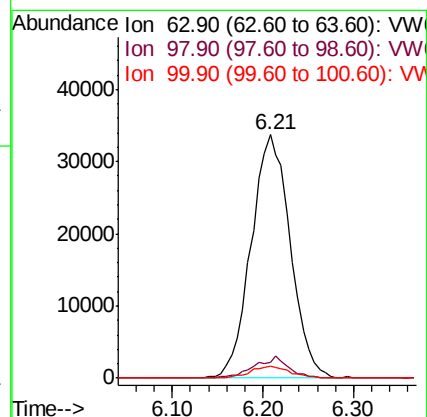
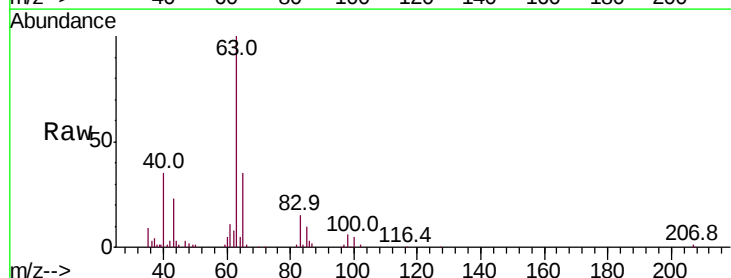
3.7

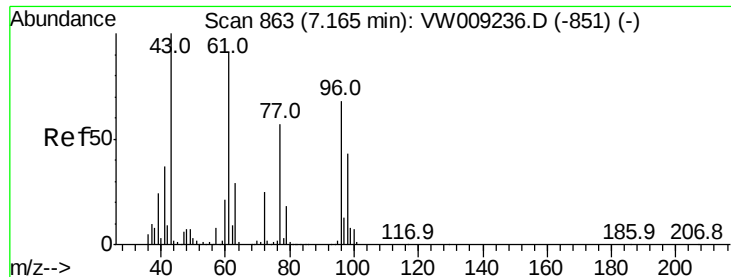
11.1

100 5.2

2.4

7.1





#25

2-Butanone

Concen: 107.111 ug/l

RT: 7.17 min Scan# 864

Delta R.T. 0.01 min

Lab File: VW009257.D

Acq: 20 Mar 2019 00:37

Instrument :

MSVOA_W

ClientSampleId :

VW0319SBS02

Tot Ion: 43 Resp: 89486

Ion Ratio Lower Upper

43 100

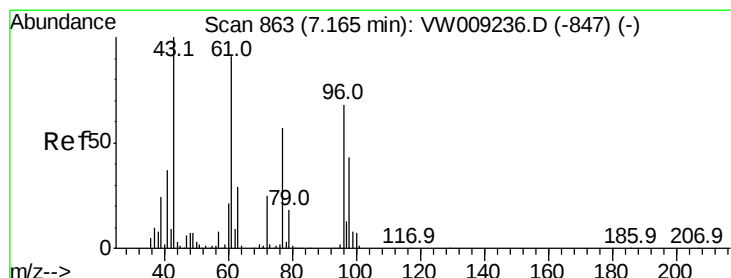
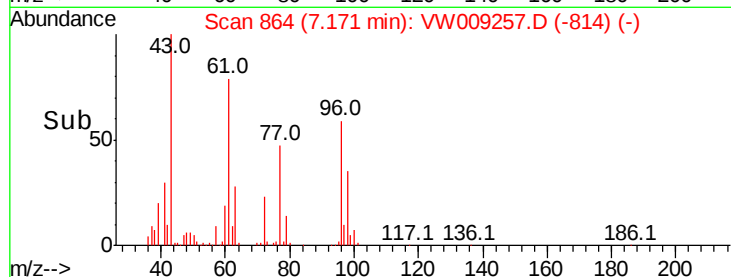
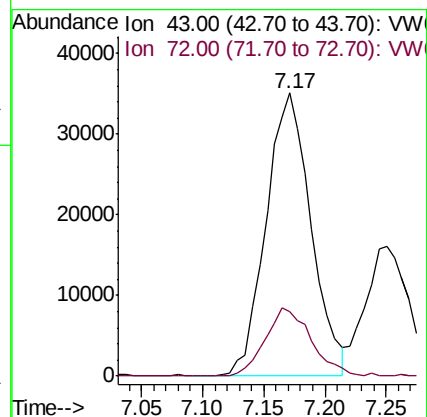
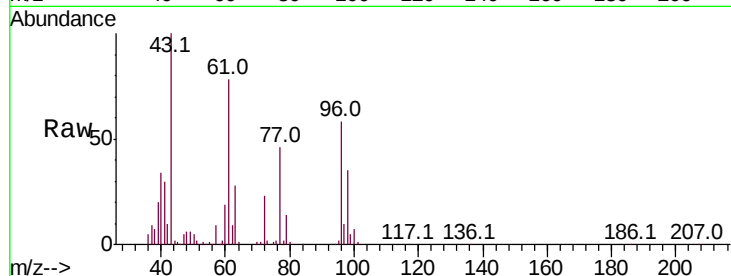
72 23.0 20.0 30.0

Manual Integrations

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MMDadoda

3/22/2019 3:53:14 AM



#26

2,2-Dichloropropane

Concen: 18.949 ug/l

RT: 7.17 min Scan# 863

Delta R.T. 0.00 min

Lab File: VW009257.D

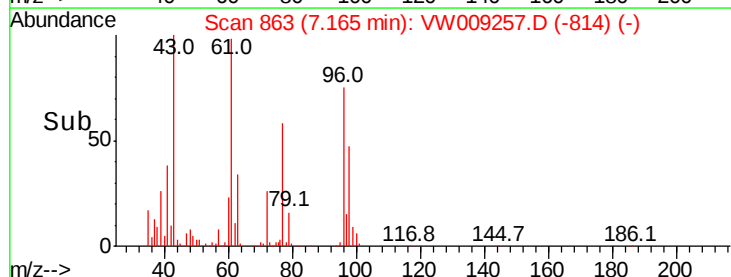
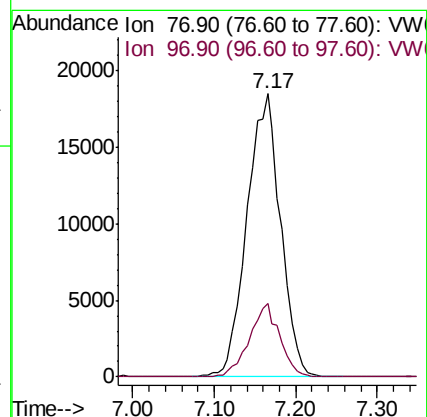
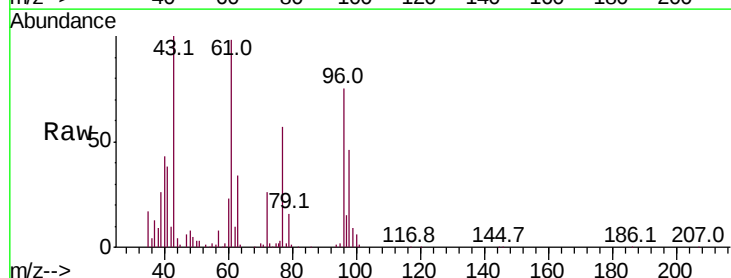
Acq: 20 Mar 2019 00:37

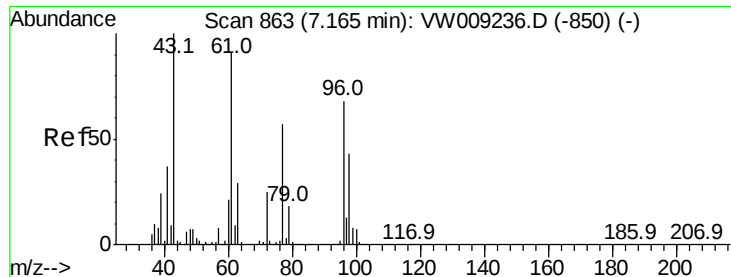
Tgt Ion: 77 Resp: 52953

Ion Ratio Lower Upper

77 100

97 23.3 11.6 34.7





#27

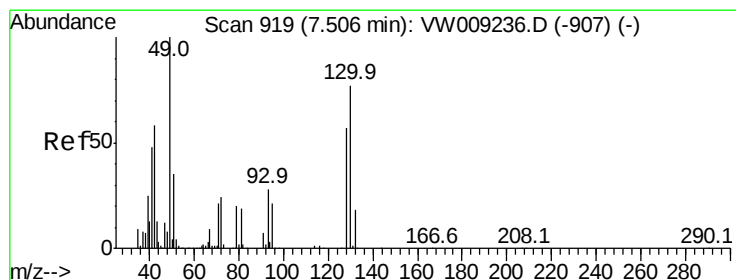
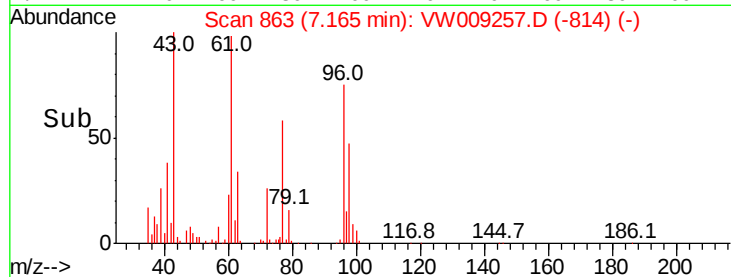
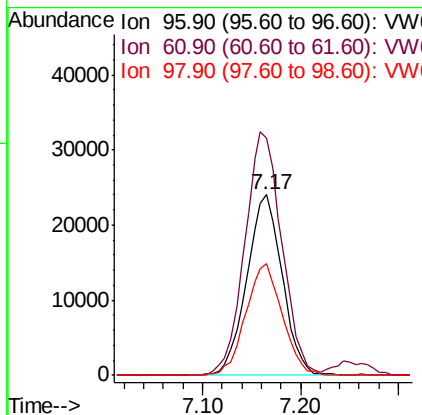
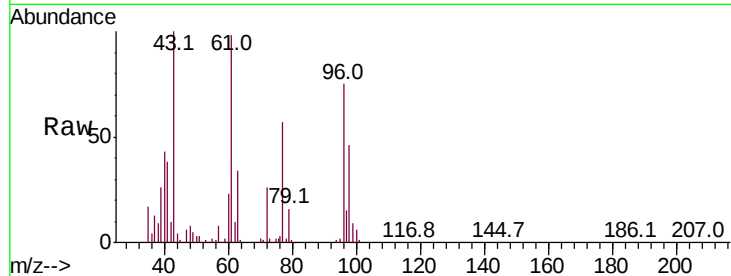
cis-1,2-Dichloroethene
Concen: 21.207 ug/l
RT: 7.17 min Scan# 863
Delta R.T. 0.00 min
Lab File: VW009257.D
Acq: 20 Mar 2019 00:37

Instrument :
MSVOA_W
ClientSampleId :
VW0319SBS02

Tot Ion	Ratio	Lower	Upper
96	100		
61	141.0	0.0	289.8
98	63.9	0.0	130.8

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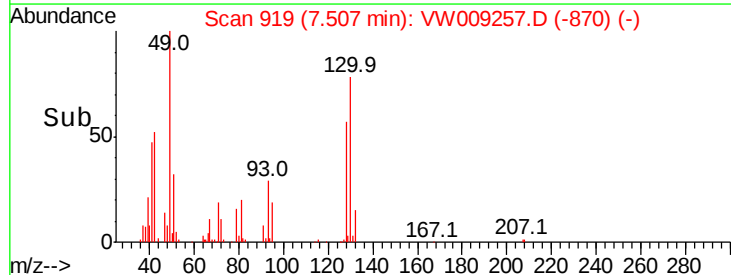
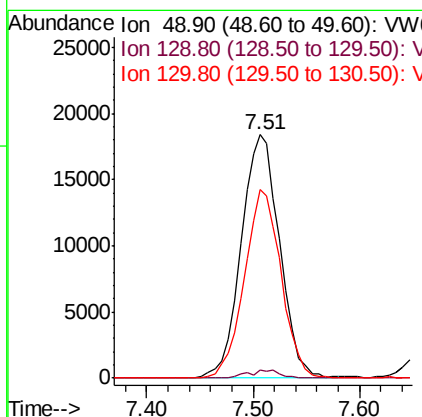
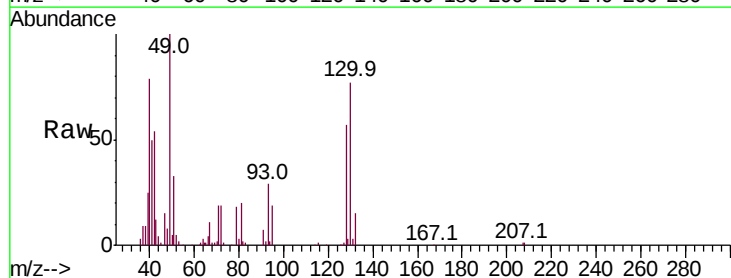
MMDadoda
3/22/2019 3:53:14 AM

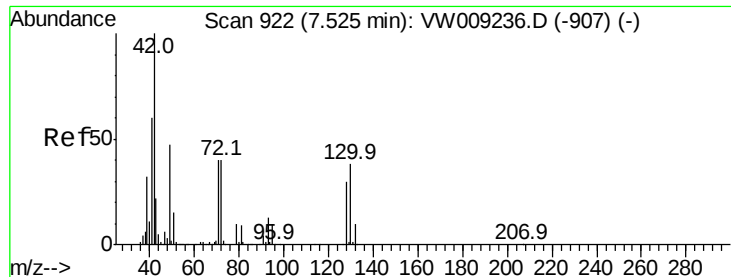


#28

Bromochloromethane
Concen: 21.115 ug/l
RT: 7.51 min Scan# 919
Delta R.T. 0.00 min
Lab File: VW009257.D
Acq: 20 Mar 2019 00:37

Tgt Ion	Ratio	Lower	Upper
49	100		
129	2.7	0.0	1.4#
130	74.3	58.6	88.0





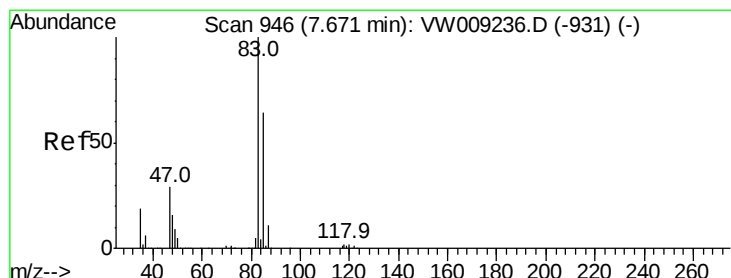
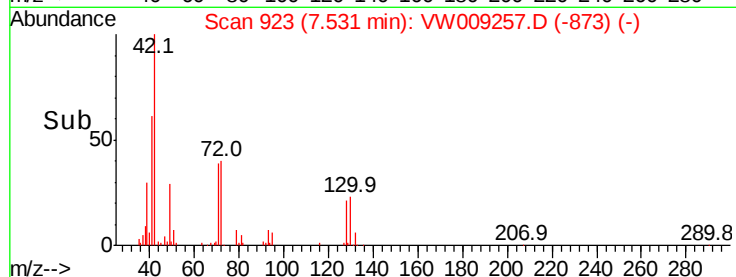
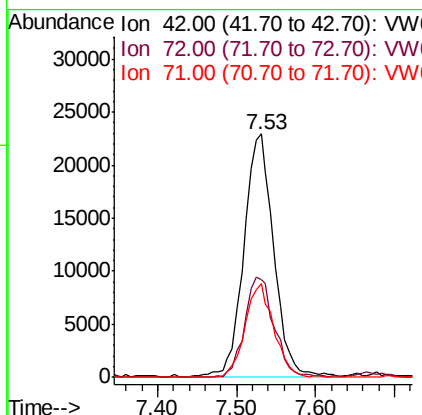
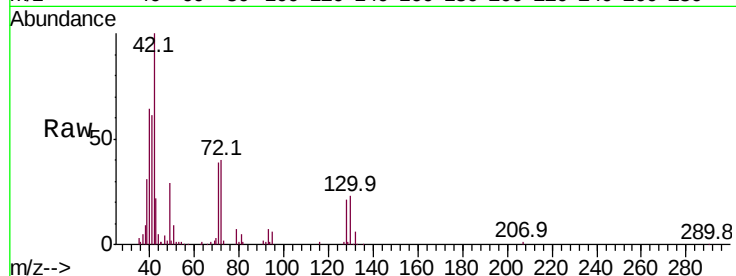
#29
Tetrahydrofuran
Concen: 112.950 ug/l
RT: 7.53 min Scan# 923
Delta R.T. 0.01 min
Lab File: VW009257.D
Acq: 20 Mar 2019 00:37

Instrument :
MSVOA_W
ClientSampleId :
VW0319SBS02

Tot Ion	Ratio	Lower	Upper
42	100		
72	41.0	32.4	48.6
71	37.5	30.1	45.1

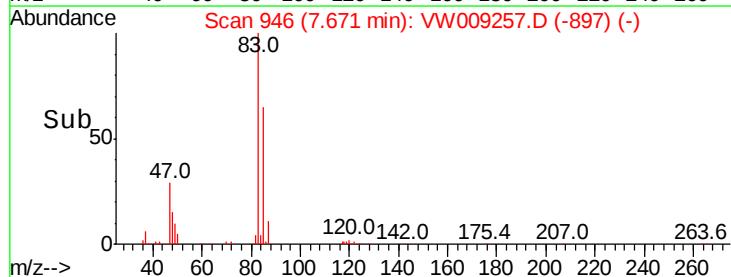
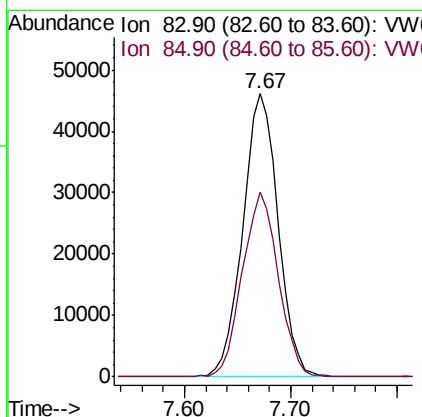
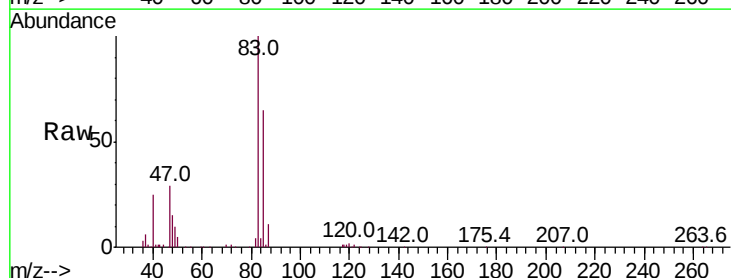
Manual Integrations
APPROVED

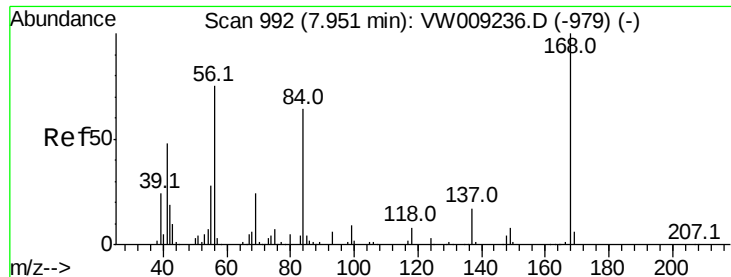
MMDadoda
3/22/2019 3:53:14 AM



#30
Chloroform
Concen: 20.681 ug/l
RT: 7.67 min Scan# 946
Delta R.T. 0.00 min
Lab File: VW009257.D
Acq: 20 Mar 2019 00:37

Tgt Ion	Ratio	Lower	Upper
83	100		
85	65.2	51.0	76.6





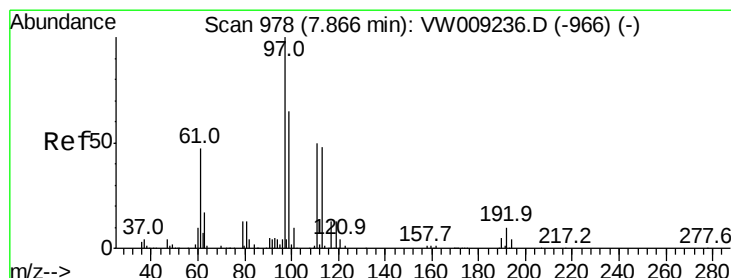
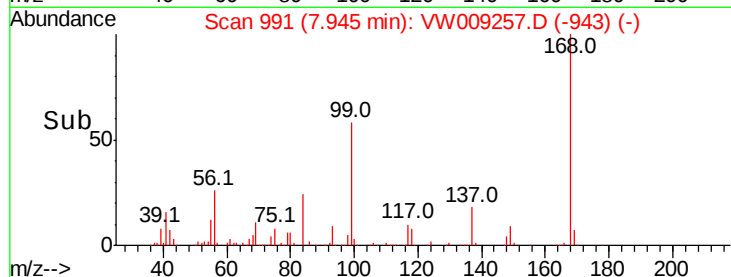
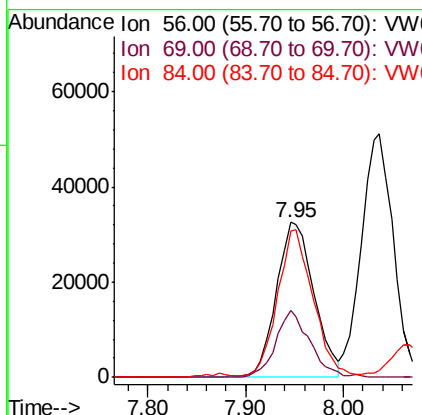
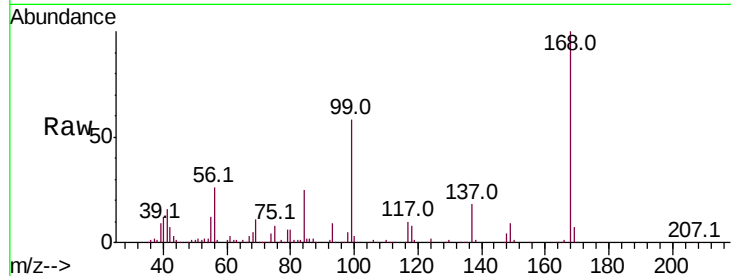
#31
Cyclohexane
Concen: 18.791 ug/l
RT: 7.95 min Scan# 991
Delta R.T. -0.01 min
Lab File: VW009257.D
Acq: 20 Mar 2019 00:37

Instrument :
MSVOA_W
ClientSampleId :
VW0319SBS02

Tot Ion: 56 Resp: 87616
Ion Ratio Lower Upper
56 100
69 43.4 26.1 39.1#
84 93.9 68.6 103.0

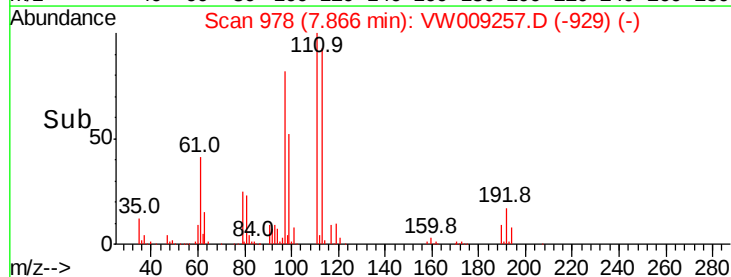
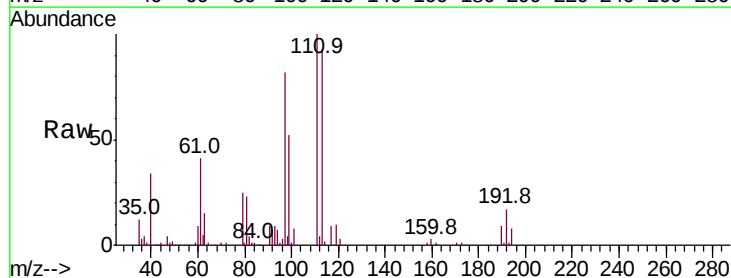
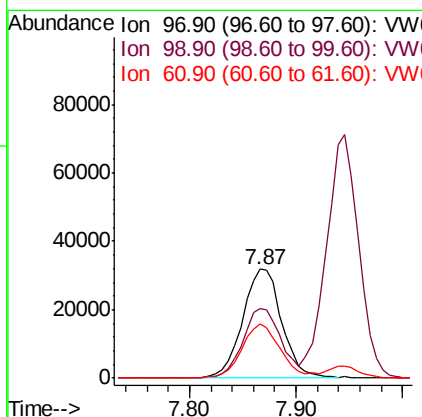
Manual Integrations
APPROVED

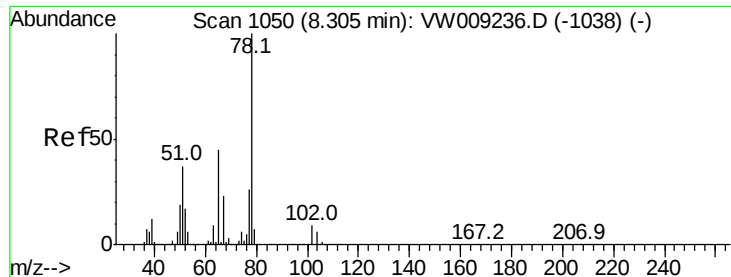
MMDadoda
3/22/2019 3:53:14 AM



#32
1,1,1-Trichloroethane
Concen: 19.738 ug/l
RT: 7.87 min Scan# 978
Delta R.T. 0.00 min
Lab File: VW009257.D
Acq: 20 Mar 2019 00:37

Tgt Ion: 97 Resp: 81984
Ion Ratio Lower Upper
97 100
99 62.4 51.9 77.9
61 49.6 36.8 55.2





#33

1,2-Dichloroethane-d4

Concen: 51.713 ug/l

RT: 8.31 min Scan# 1050

Delta R.T. 0.00 min

Lab File: VW009257.D

Acq: 20 Mar 2019 00:37

Instrument :

MSVOA_W

ClientSampleId :

VW0319SBS02

Tot Ion: 65 Resp: 146962

Ion Ratio Lower Upper

65 100

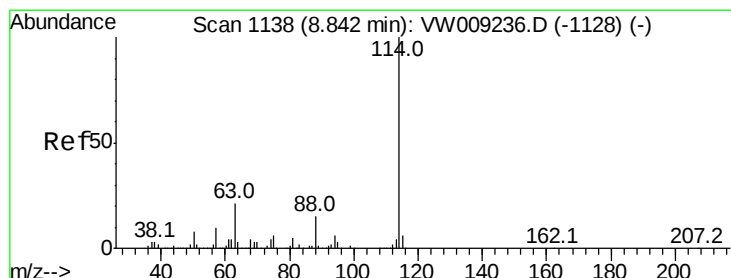
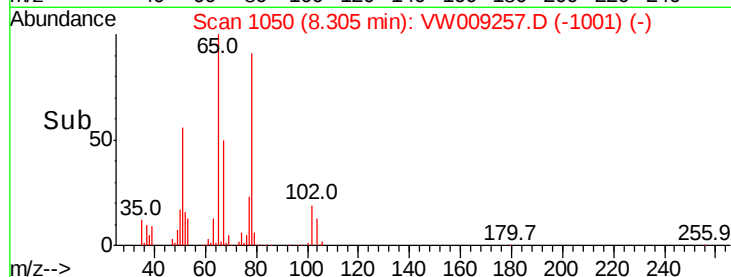
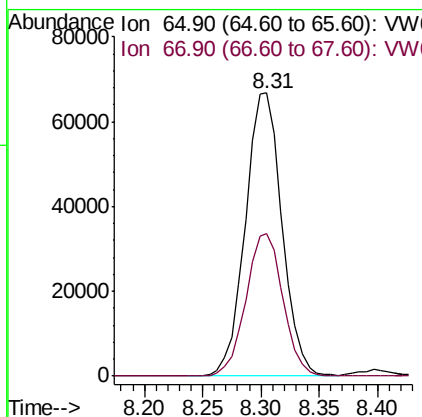
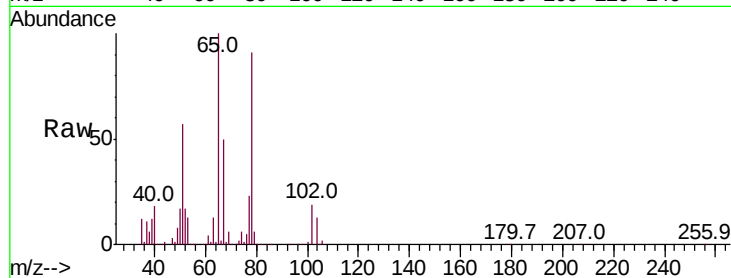
67 50.6 0.0 102.4

Manual Integrations

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3/22/2019 3:53:14 AM



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.84 min Scan# 1138

Delta R.T. 0.00 min

Lab File: VW009257.D

Acq: 20 Mar 2019 00:37

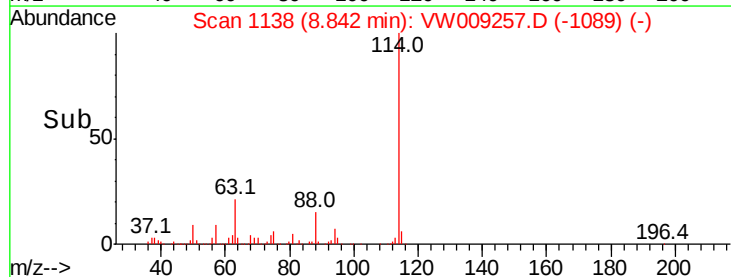
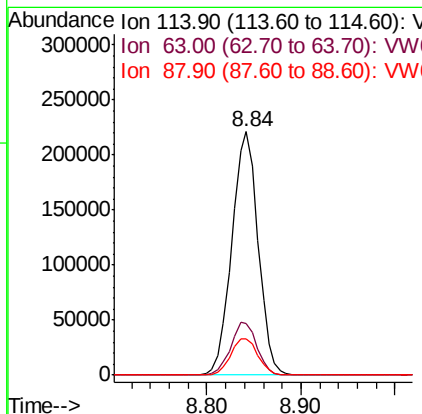
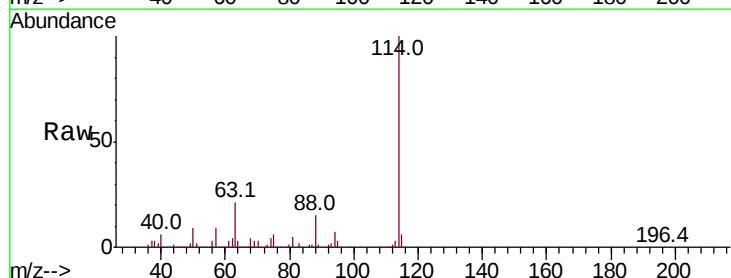
Tgt Ion: 114 Resp: 427746

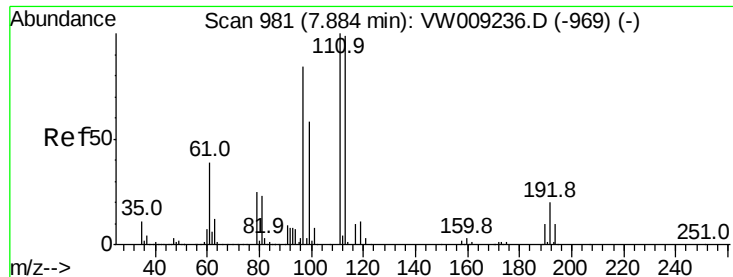
Ion Ratio Lower Upper

114 100

63 21.0 0.0 42.2

88 15.0 0.0 30.8





#35

Dibromofluoromethane

Concen: 47.891 ug/l

RT: 7.88 min Scan# 980

Delta R.T. -0.01 min

Lab File: VW009257.D

Acq: 20 Mar 2019 00:37

Instrument :

MSVOA_W

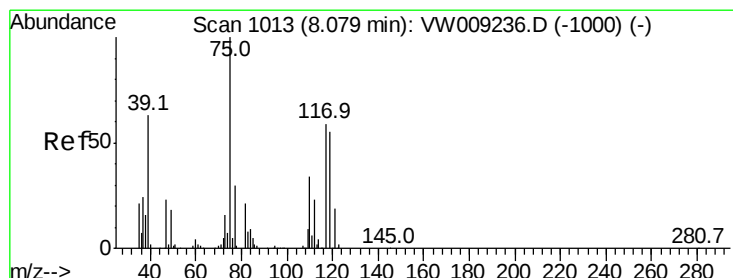
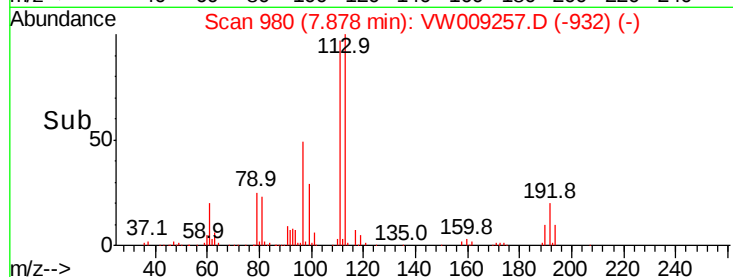
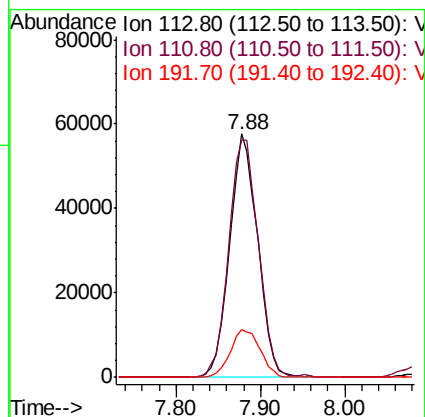
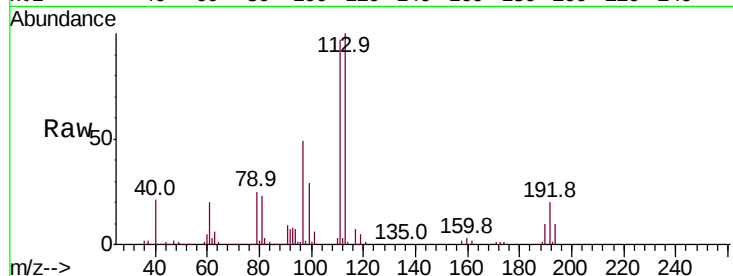
ClientSampleId :

VW0319SBS02

Tot Ion:	113	Resp:	129947
Ion Ratio	Lower	Upper	
113	100		
111	103.2	82.6	124.0
192	20.9	16.4	24.6

Manual Integrations
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#36

1,1-Dichloropropene

Concen: 18.308 ug/l

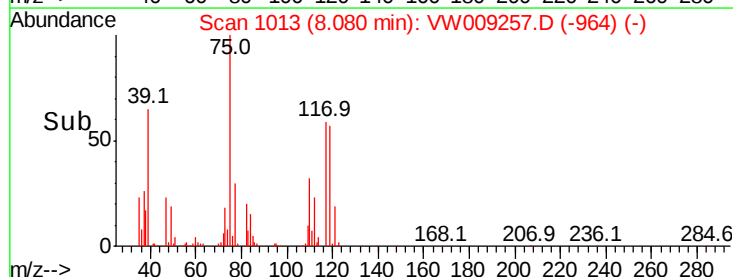
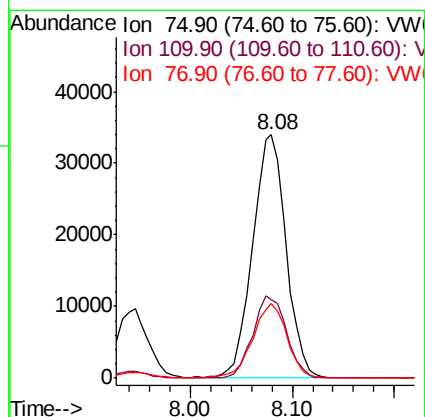
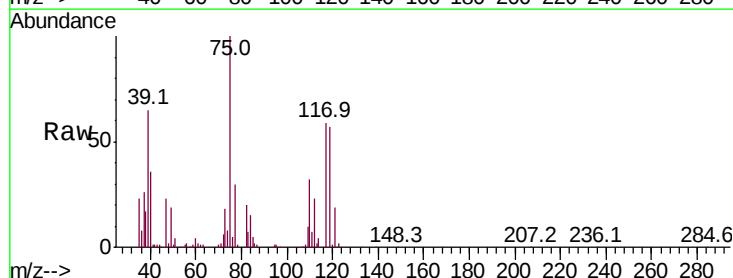
RT: 8.08 min Scan# 1013

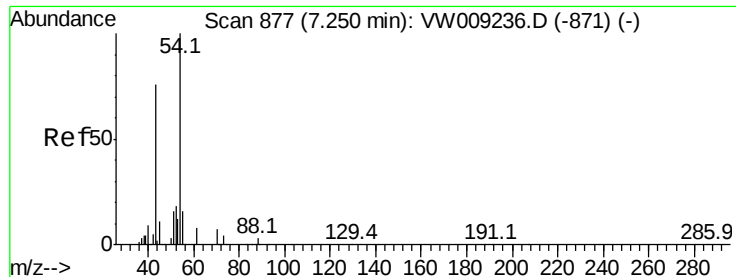
Delta R.T. 0.00 min

Lab File: VW009257.D

Acq: 20 Mar 2019 00:37

Tgt Ion:	75	Resp:	77929
Ion Ratio	Lower	Upper	
75	100		
110	33.8	16.8	50.4
77	31.2	24.6	36.8





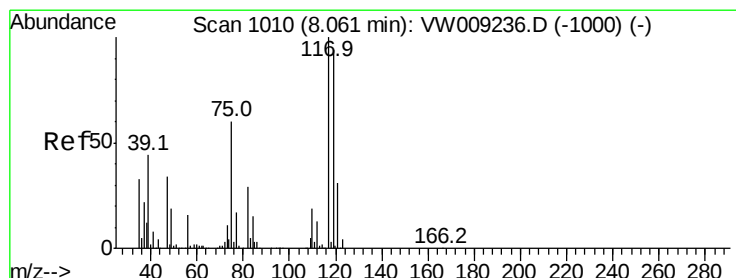
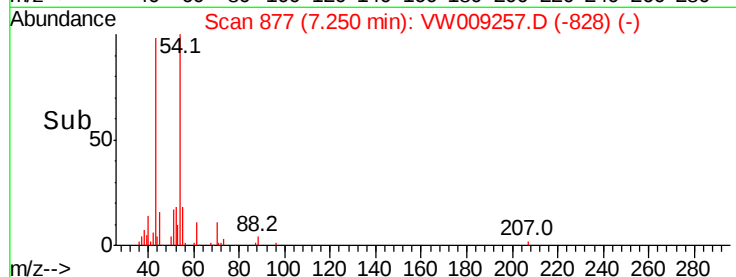
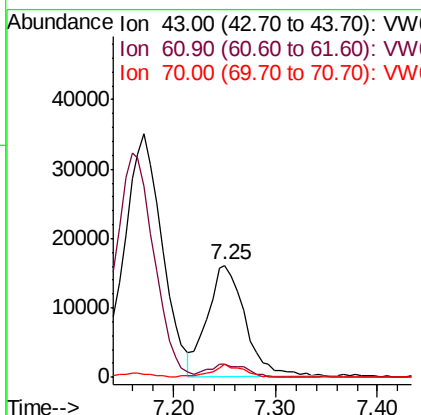
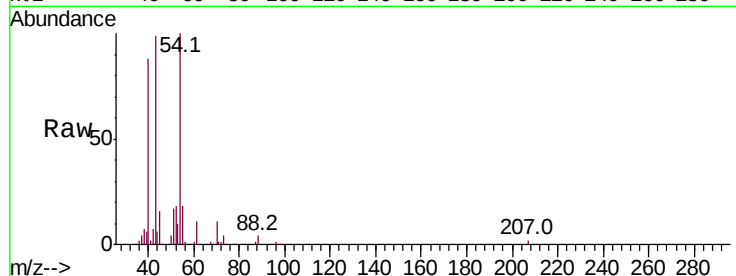
#37
Ethyl Acetate
Concen: 21.369 ug/l
RT: 7.25 min Scan# 877
Delta R.T. 0.00 min
Lab File: VW009257.D
Acq: 20 Mar 2019 00:37

Instrument :
MSVOA_W
ClientSampleId :
VW0319SBS02

Tot Ion	Ratio	Lower	Upper
43	100		
61	11.7	10.0	15.0
70	9.7	7.3	10.9

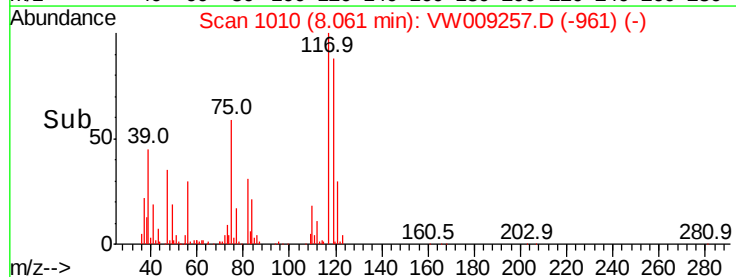
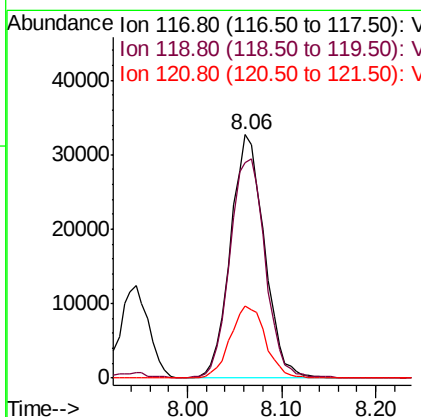
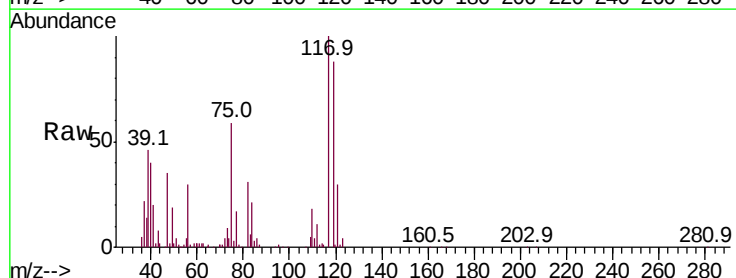
Manual Integrations
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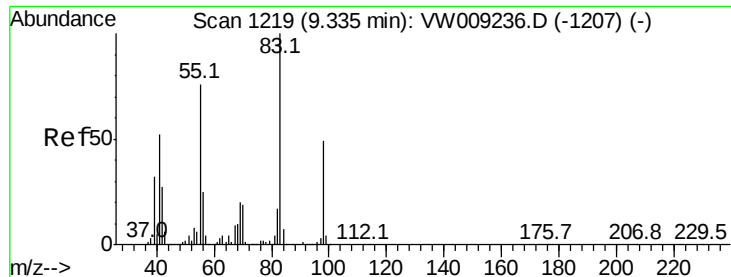
MMDadoda
3/22/2019 3:53:14 AM



#38
Carbon Tetrachloride
Concen: 18.111 ug/l
RT: 8.06 min Scan# 1010
Delta R.T. 0.00 min
Lab File: VW009257.D
Acq: 20 Mar 2019 00:37

Tgt Ion	Ratio	Lower	Upper
117	100		
119	88.5	75.4	113.0
121	29.6	24.9	37.3





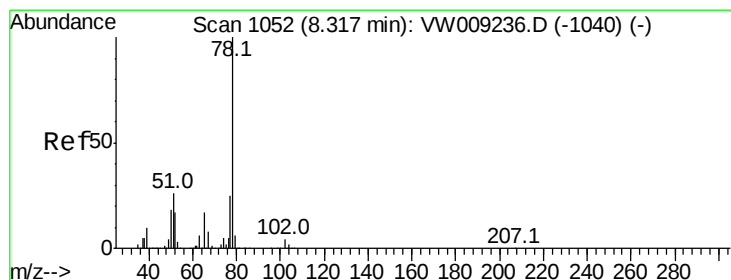
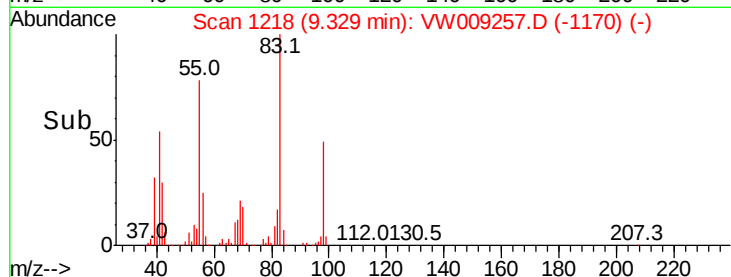
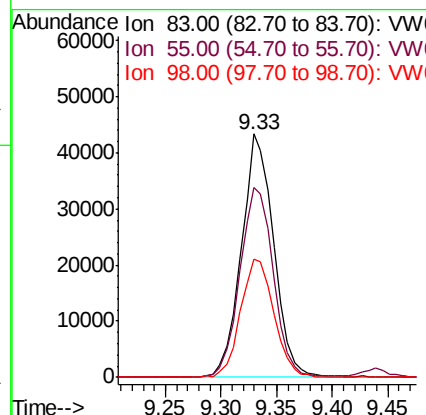
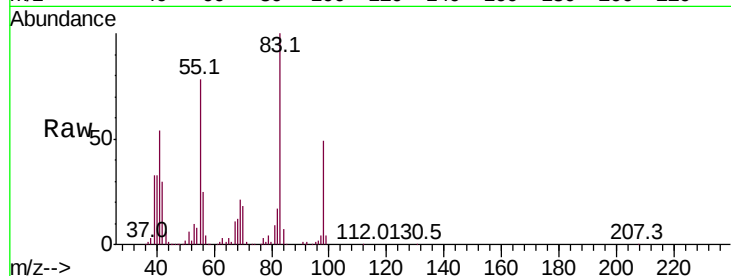
#39
Methylcyclohexane
Concen: 17.707 ug/l
RT: 9.33 min Scan# 1218
Delta R.T. -0.01 min
Lab File: VW009257.D
Acq: 20 Mar 2019 00:37

Instrument :
MSVOA_W
ClientSampleId :
VW0319SBS02

Tot Ion	Ratio	Lower	Upper
83	100		
55	77.9	61.1	91.7
98	48.7	39.0	58.4

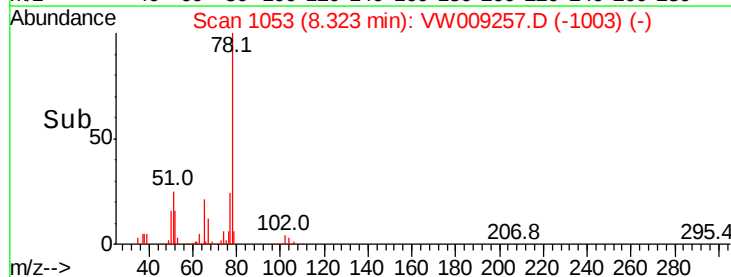
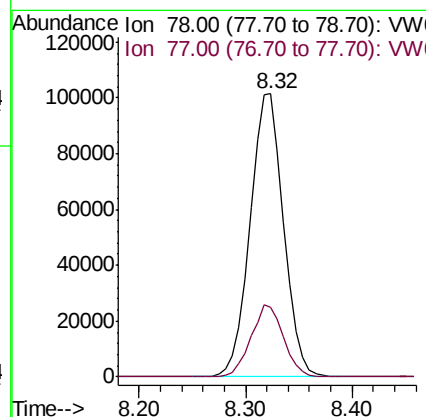
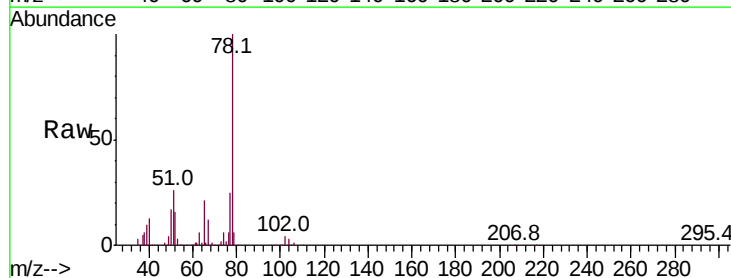
Manual Integrations
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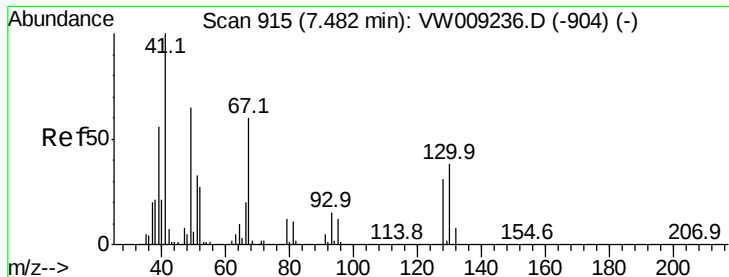
MMDadoda
3/22/2019 3:53:14 AM



#40
Benzene
Concen: 19.385 ug/l
RT: 8.32 min Scan# 1053
Delta R.T. 0.01 min
Lab File: VW009257.D
Acq: 20 Mar 2019 00:37

Tgt Ion	Ratio	Lower	Upper
78	100		
77	24.5	19.8	29.6





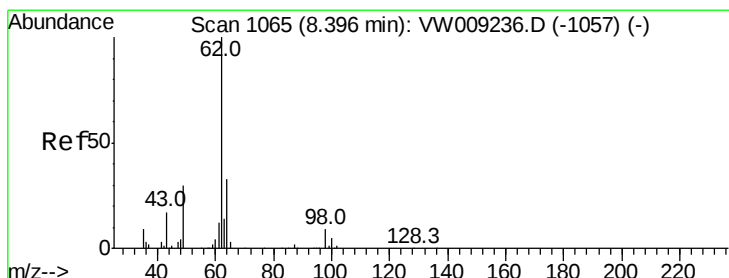
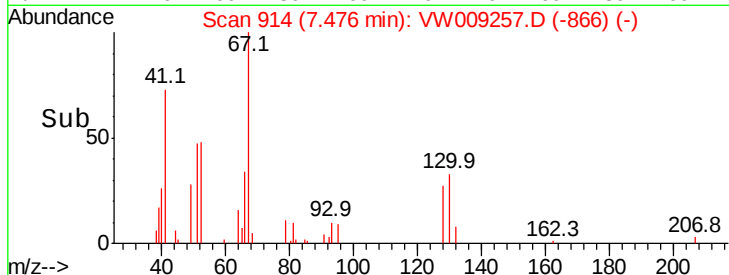
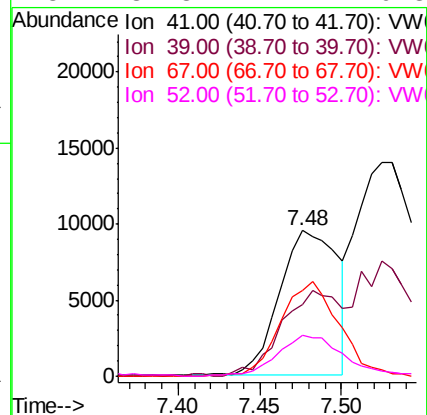
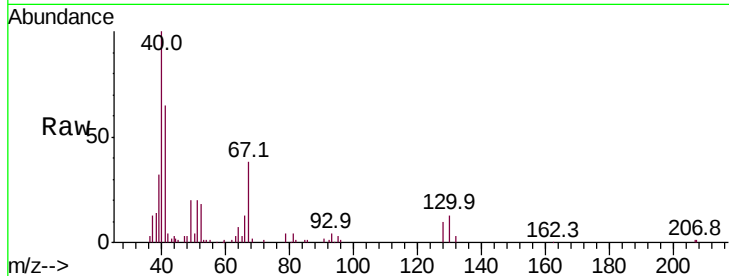
#41
Methacrylonitrile
Concen: 22.499 ug/l
RT: 7.48 min Scan# 914
Delta R.T. -0.01 min
Lab File: VW009257.D
Acq: 20 Mar 2019 00:37

Instrument :
MSVOA_W
ClientSampleId :
VW0319SBS02

Tot Ion:	41	Resp:	23553
Ion	Ratio	Lower	Upper
41	100		
39	58.8	52.5	78.7
67	65.8	56.6	84.8
52	32.8	27.2	40.8

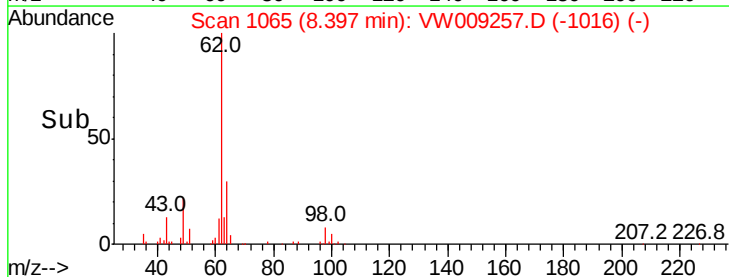
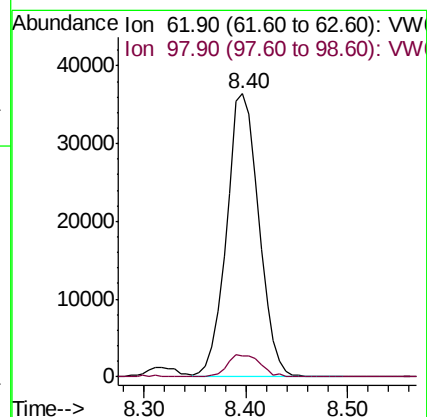
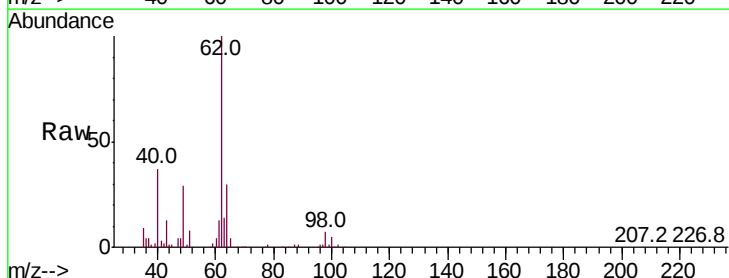
Manual Integrations
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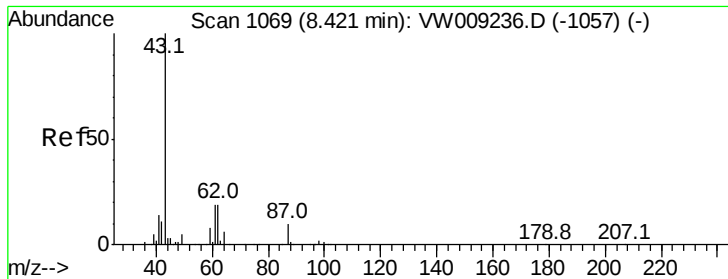
MMDadoda
3/22/2019 3:53:14 AM



#42
1,2-Dichloroethane
Concen: 21.188 ug/l
RT: 8.40 min Scan# 1065
Delta R.T. 0.00 min
Lab File: VW009257.D
Acq: 20 Mar 2019 00:37

Tgt Ion:	62	Resp:	79947
Ion	Ratio	Lower	Upper
62	100		
98	8.1	0.0	17.4





#43

Isopropyl Acetate

Concen: 20.028 ug/l

RT: 8.42 min Scan# 1069

Delta R.T. 0.00 min

Lab File: VW009257.D

Acq: 20 Mar 2019 00:37

Instrument :

MSVOA_W

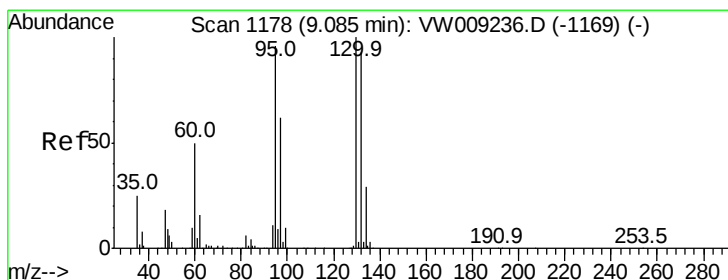
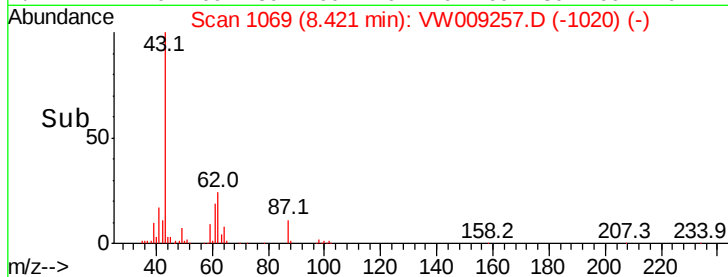
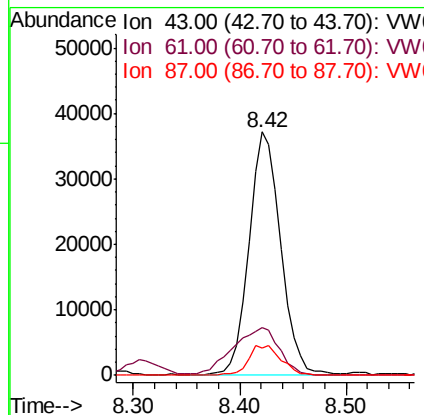
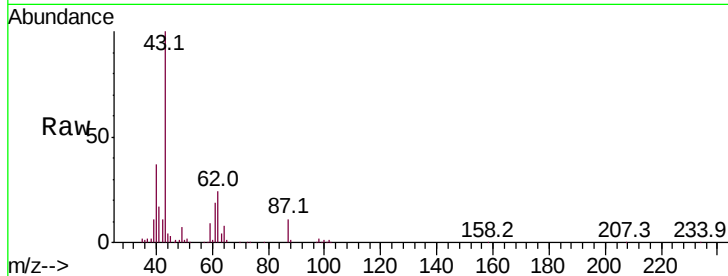
ClientSampleId :

VW0319SBS02

Tot Ion:	43	Resp:	77893
Ion	Ratio	Lower	Upper
43	100		
61	27.5	22.2	33.2
87	12.5	9.6	14.4

Manual Integrations
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3/22/2019 3:53:14 AM



#44

Trichloroethene

Concen: 18.671 ug/l

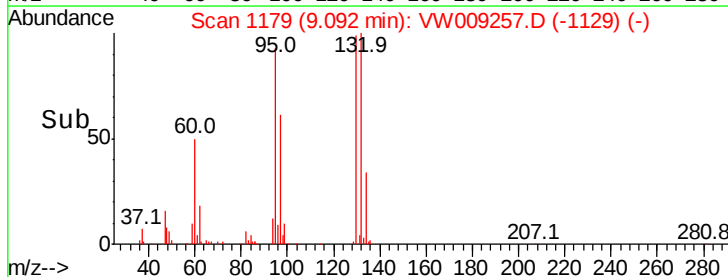
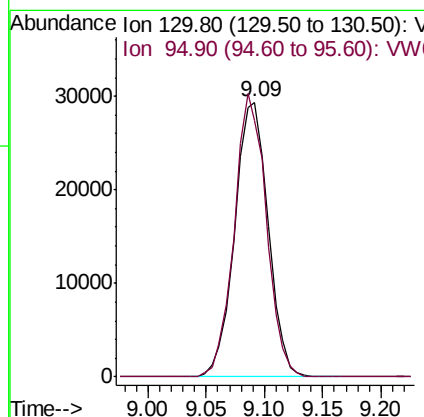
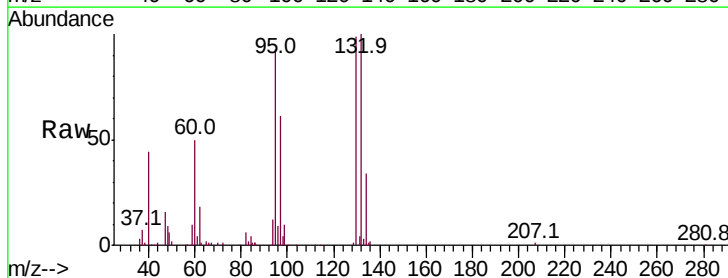
RT: 9.09 min Scan# 1179

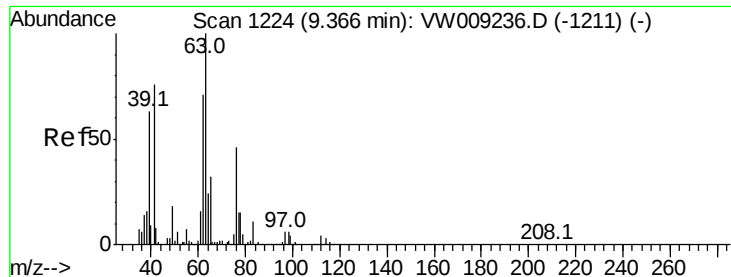
Delta R.T. 0.01 min

Lab File: VW009257.D

Acq: 20 Mar 2019 00:37

Tgt Ion:	130	Resp:	59037
Ion	Ratio	Lower	Upper
130	100		
95	93.3	0.0	192.6





#45

1,2-Dichloropropane

Concen: 19.674 ug/l

RT: 9.37 min Scan# 1224

Delta R.T. 0.00 min

Lab File: VW009257.D

Acq: 20 Mar 2019 00:37

Instrument :

MSVOA_W

ClientSampleId :

VW0319SBS02

Tot Ion: 63 Resp: 57729

Ion Ratio Lower Upper

63 100

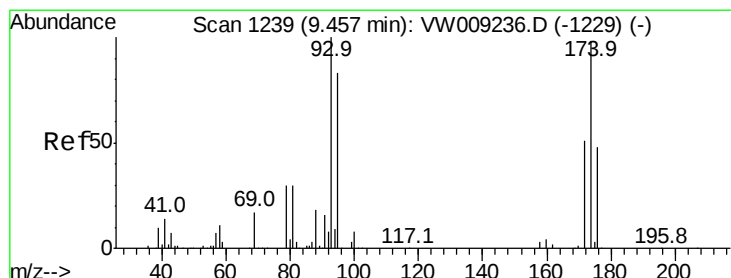
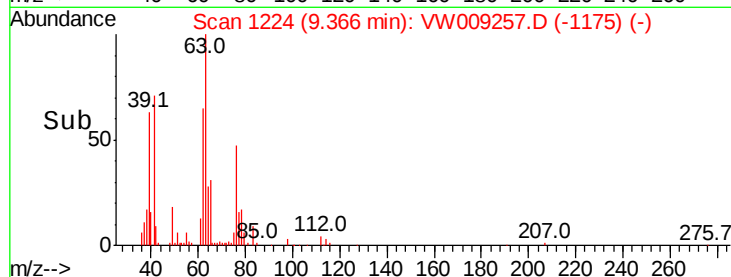
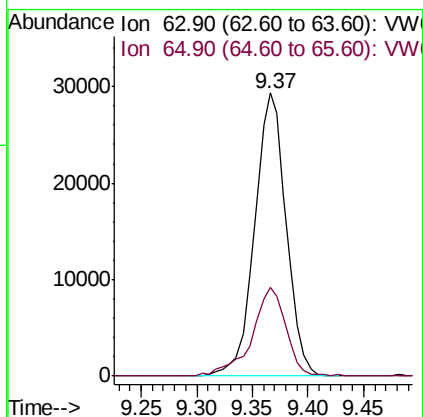
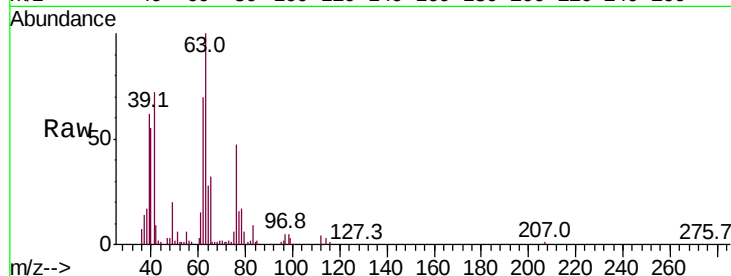
65 31.6 25.8 38.8

Manual Integrations

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MMDadoda

3/22/2019 3:53:14 AM



#46

Dibromomethane

Concen: 20.470 ug/l

RT: 9.46 min Scan# 1239

Delta R.T. 0.00 min

Lab File: VW009257.D

Acq: 20 Mar 2019 00:37

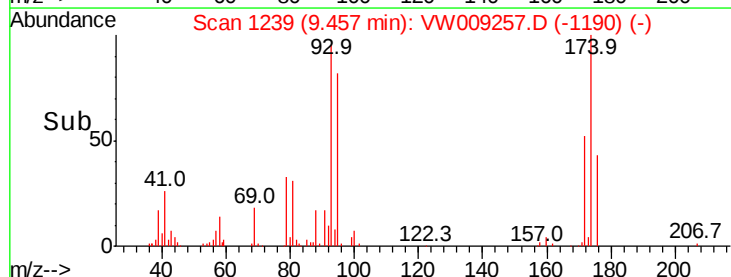
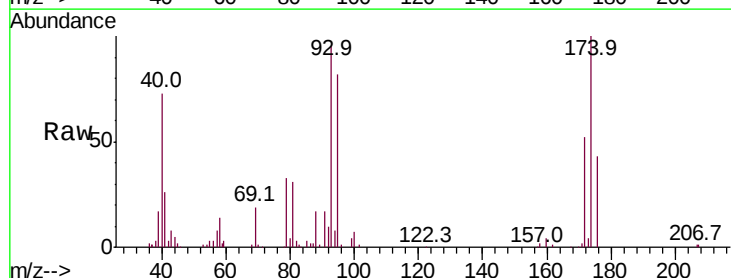
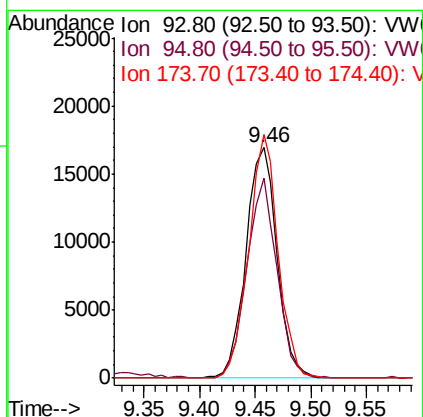
Tgt Ion: 93 Resp: 33030

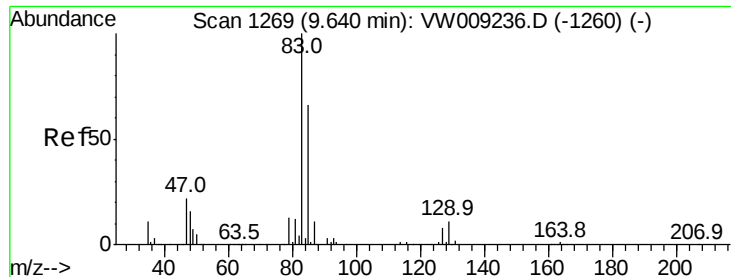
Ion Ratio Lower Upper

93 100

95 83.6 66.9 100.3

174 99.4 80.8 121.2





#47

Bromodichloromethane

Concen: 19.886 ug/l

RT: 9.64 min Scan# 1269

Delta R.T. 0.00 min

Lab File: VW009257.D

Acq: 20 Mar 2019 00:37

Instrument :

MSVOA_W

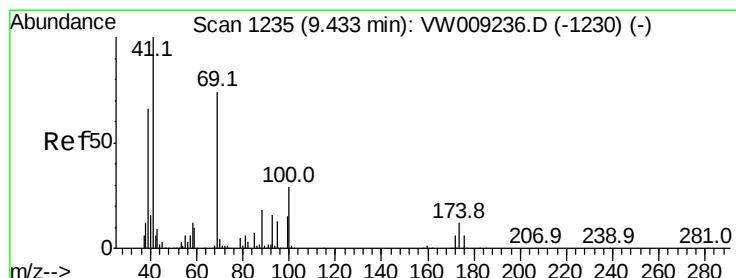
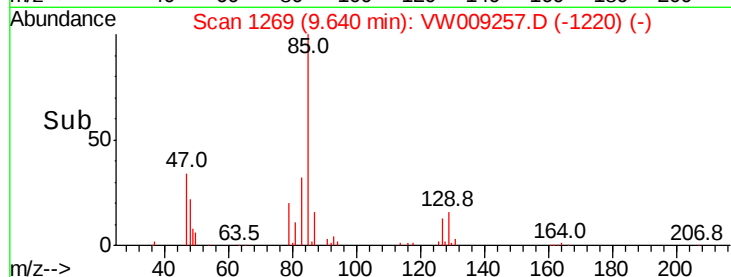
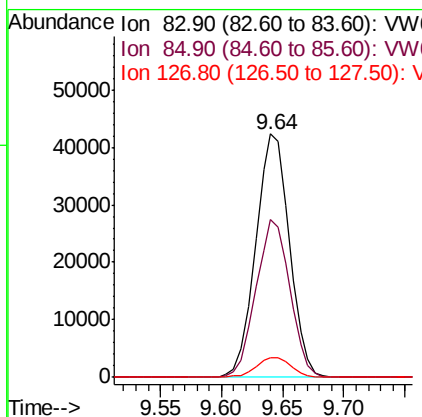
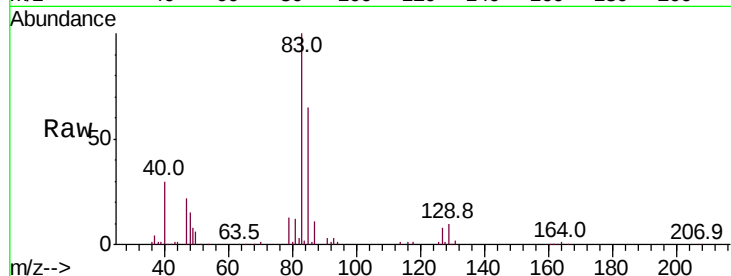
ClientSampleId :

VW0319SBS02

Tot Ion:	83	Resp:	81084
Ion	Ratio	Lower	Upper
83	100		
85	64.8	52.6	79.0
127	8.1	6.5	9.7

Manual Integrations
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3/22/2019 3:53:14 AM



#48

Methyl methacrylate

Concen: 20.609 ug/l

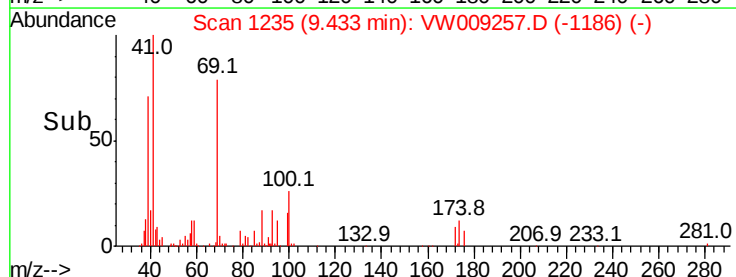
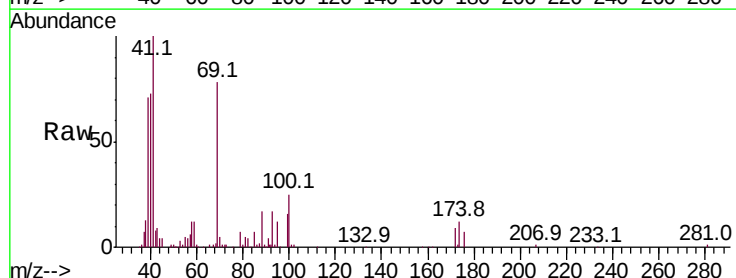
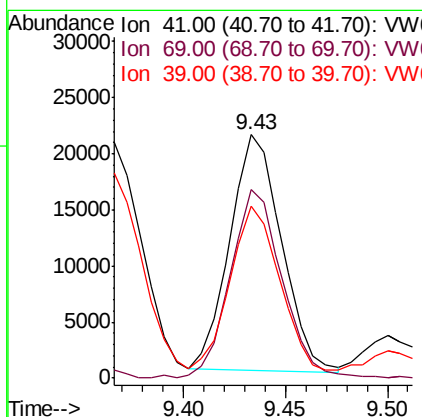
RT: 9.43 min Scan# 1235

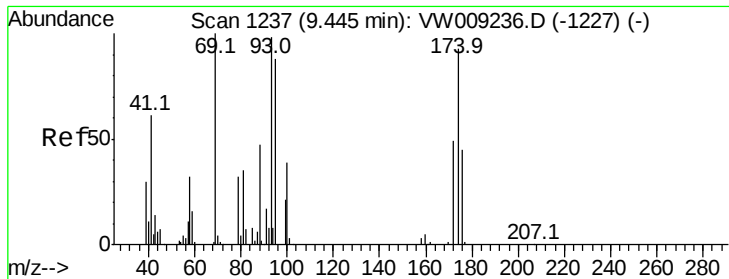
Delta R.T. 0.00 min

Lab File: VW009257.D

Acq: 20 Mar 2019 00:37

Tgt Ion:	41	Resp:	37110
Ion	Ratio	Lower	Upper
41	100		
69	80.2	63.0	94.6
39	72.3	57.2	85.8





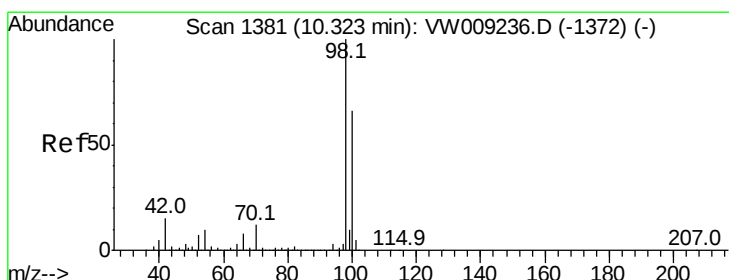
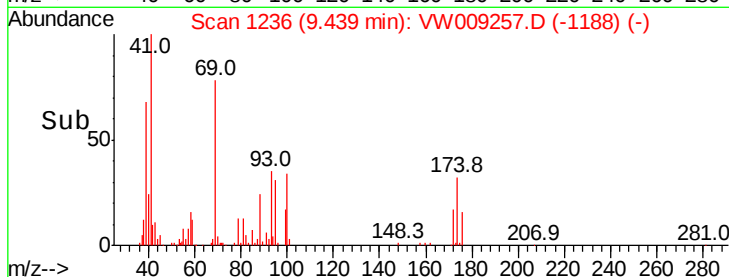
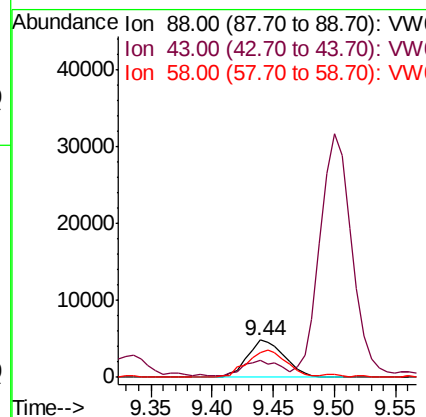
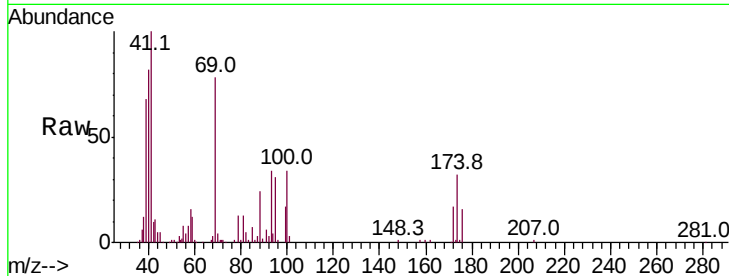
#49
1,4-Dioxane
Concen: 412.111 ug/l
RT: 9.44 min Scan# 1236
Delta R.T. -0.01 min
Lab File: VW009257.D
Acq: 20 Mar 2019 00:37

Instrument :
MSVOA_W
ClientSampleId :
VW0319SBS02

Tot Ion	88	Resp	10314
Ion	Ratio	Lower	Upper
88	100		
43	40.6	29.7	44.5
58	77.9	58.1	87.1

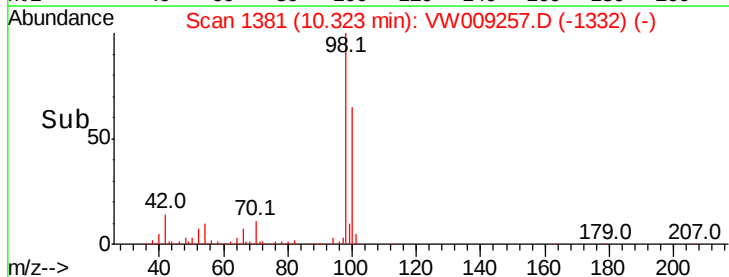
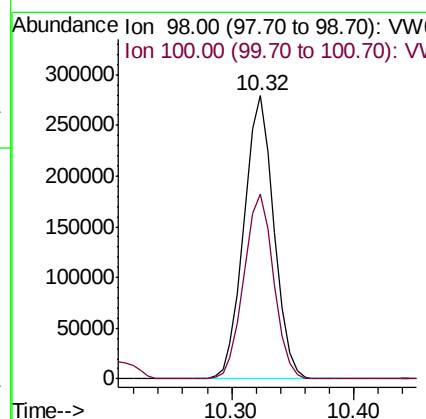
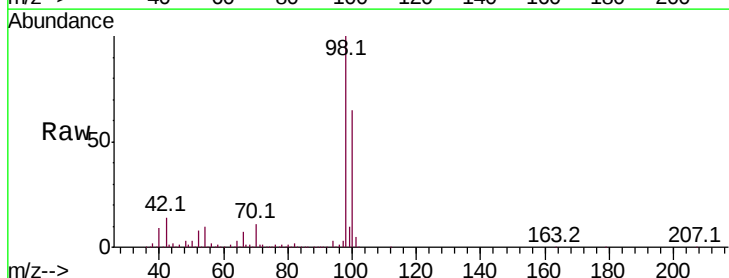
Manual Integrations
APPROVED

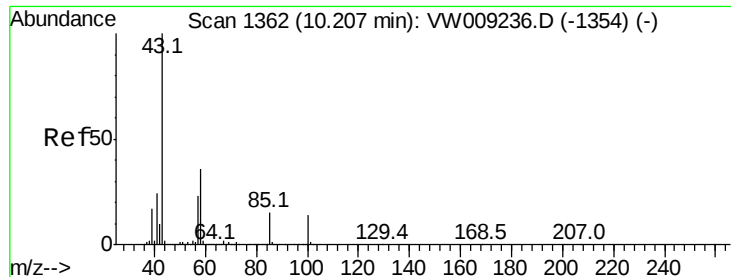
MMDadoda
3/22/2019 3:53:14 AM



#50
Toluene-d8
Concen: 48.060 ug/l
RT: 10.32 min Scan# 1381
Delta R.T. 0.00 min
Lab File: VW009257.D
Acq: 20 Mar 2019 00:37

Tgt Ion	98	Resp	473904
Ion	Ratio	Lower	Upper
98	100		
100	65.2	52.6	79.0





#51

4-Methyl-2-Pentanone

Concen: 104.551 ug/l

RT: 10.21 min Scan# 1362

Delta R.T. 0.00 min

Lab File: VW009257.D

Acq: 20 Mar 2019 00:37

Instrument :

MSVOA_W

ClientSampleId :

VW0319SBS02

Tot Ion: 43 Resp: 211918

Ion Ratio Lower Upper

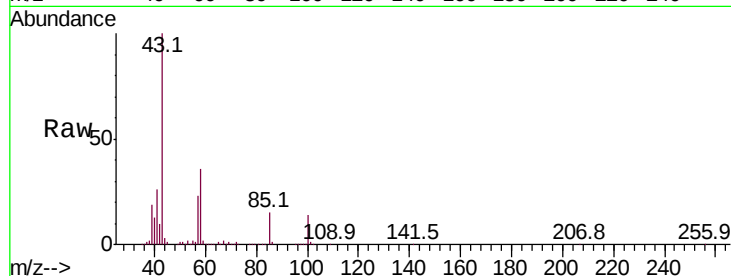
43 100

58 35.6 28.6 42.8

Manual Integrations
APPROVED

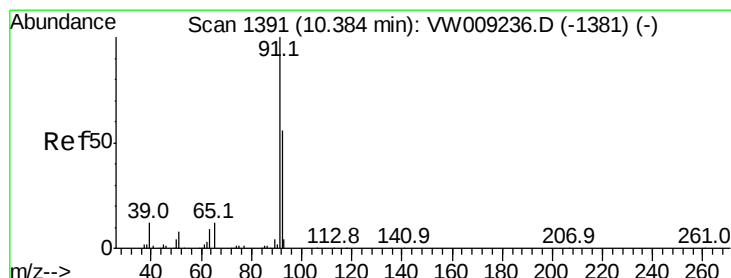
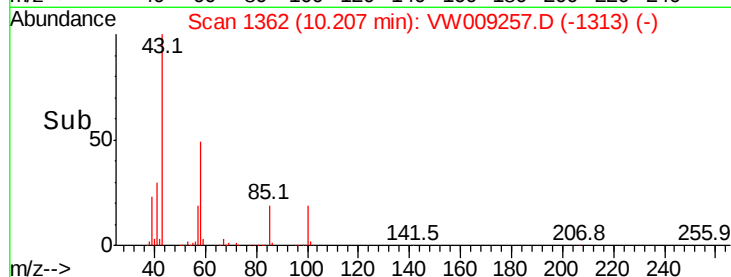
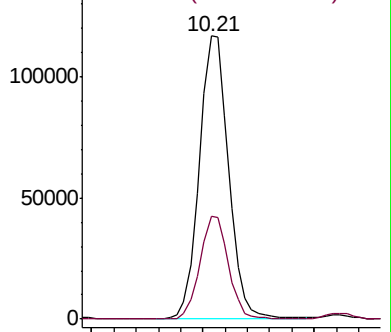
MMDadoda

3/22/2019 3:53:14 AM



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW



#52

Toluene

Concen: 19.445 ug/l

RT: 10.38 min Scan# 1391

Delta R.T. 0.00 min

Lab File: VW009257.D

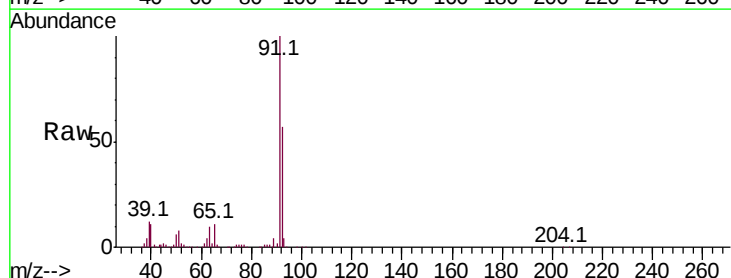
Acq: 20 Mar 2019 00:37

Tgt Ion: 92 Resp: 142219

Ion Ratio Lower Upper

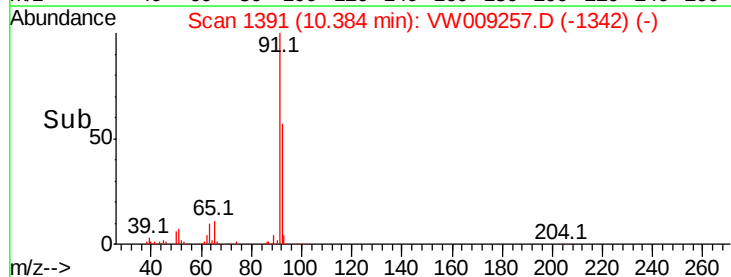
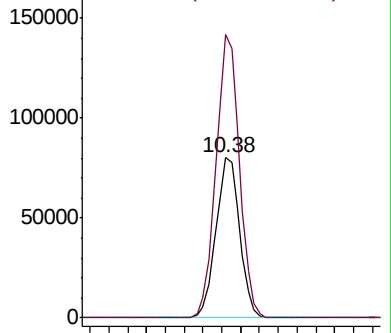
92 100

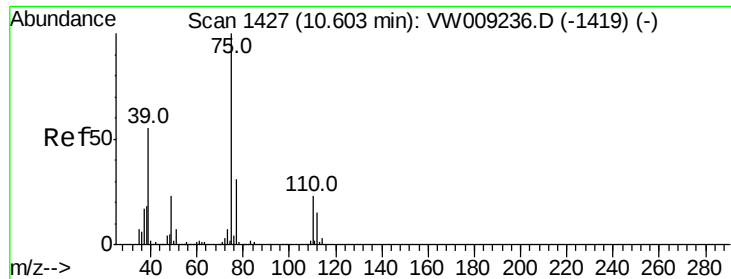
91 174.0 140.1 210.1



Abundance Ion 92.00 (91.70 to 92.70): VW

Ion 91.00 (90.70 to 91.70): VW





#53

t-1,3-Dichloropropene

Concen: 19.023 ug/l

RT: 10.60 min Scan# 1427

Delta R.T. 0.00 min

Lab File: VW009257.D

Acq: 20 Mar 2019 00:37

Instrument :
MSVOA_W

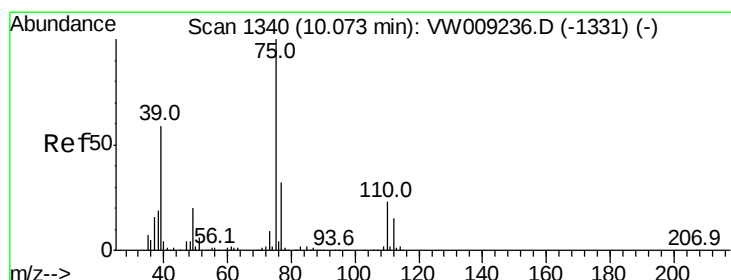
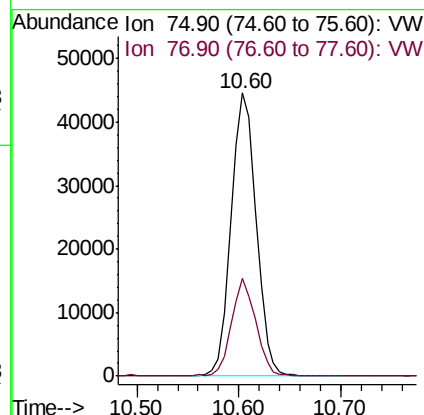
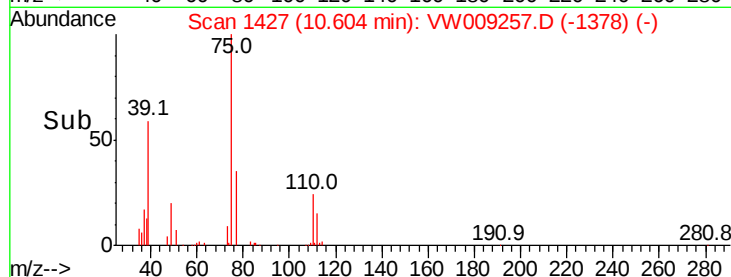
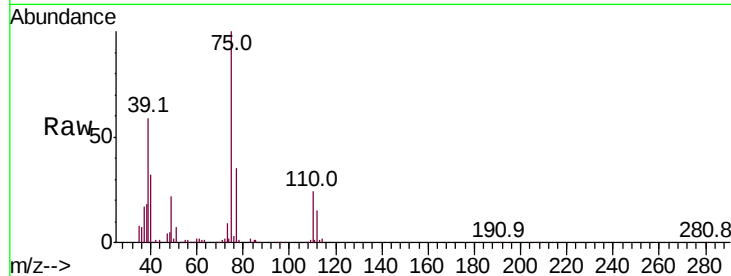
ClientSampleId :
VW0319SBS02

Tot Ion: 75 Resp: 75639

Ion	Ratio	Lower	Upper
75	100		
77	34.5	24.8	37.2

Manual Integrations
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#54

cis-1,3-Dichloropropene

Concen: 19.282 ug/l

RT: 10.07 min Scan# 1340

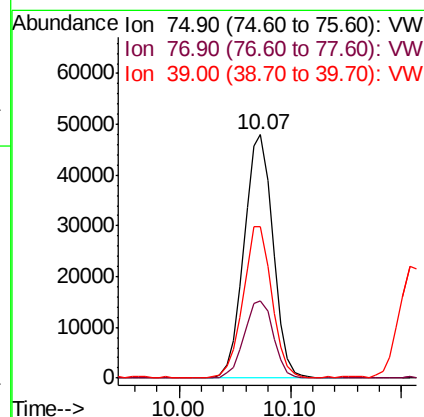
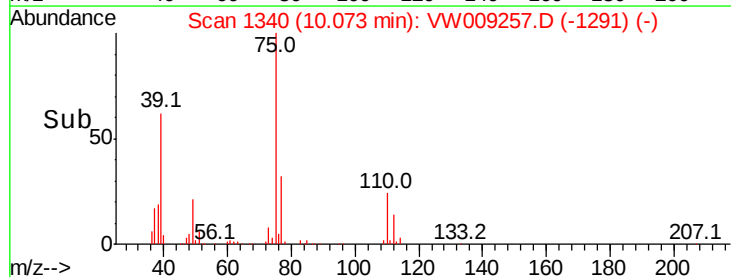
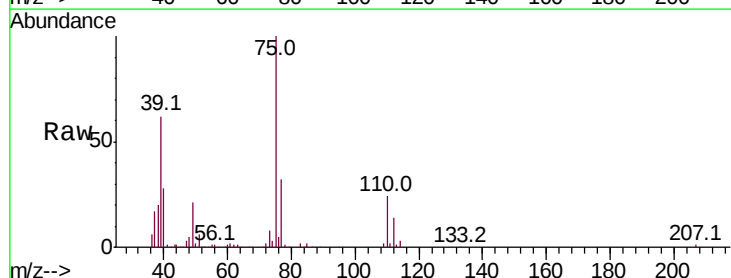
Delta R.T. 0.00 min

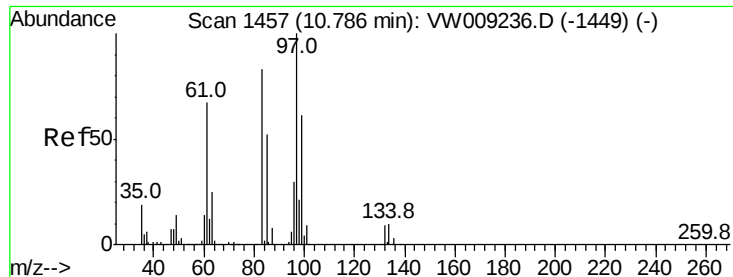
Lab File: VW009257.D

Acq: 20 Mar 2019 00:37

Tgt Ion: 75 Resp: 86253

Ion	Ratio	Lower	Upper
75	100		
77	31.8	25.9	38.9
39	62.1	46.8	70.2





#55

1,1,2-Trichloroethane

Concen: 20.994 ug/l

RT: 10.79 min Scan# 1457

Delta R.T. 0.00 min

Lab File: VW009257.D

Acq: 20 Mar 2019 00:37

Instrument :

MSVOA_W

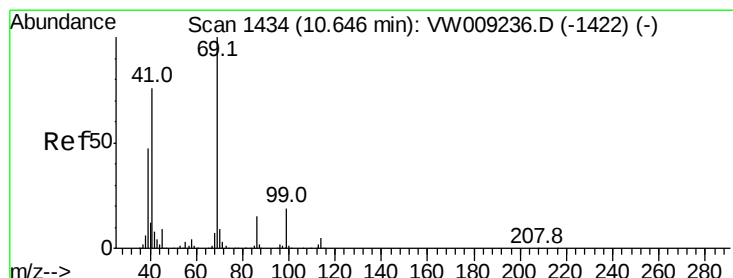
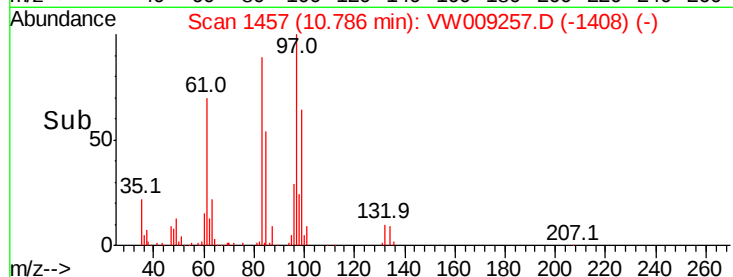
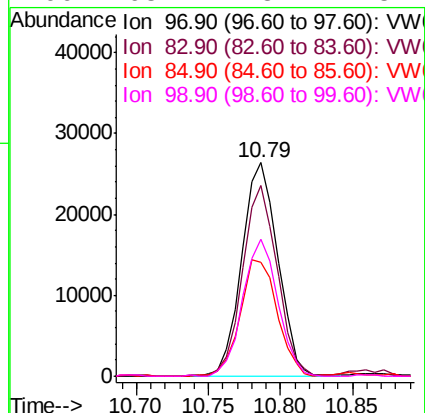
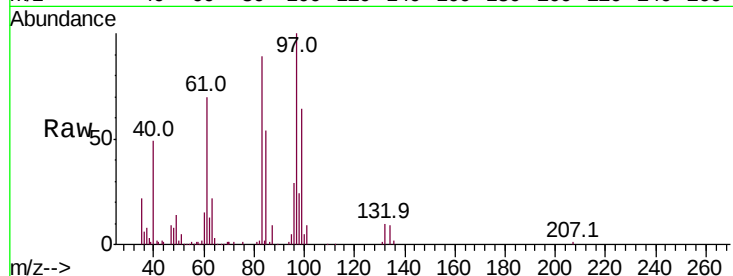
ClientSampleId :

VW0319SBS02

Tot Ion:	97	Resp:	45870
Ion	Ratio	Lower	Upper
97	100		
83	88.9	66.3	99.5
85	53.4	41.4	62.2
99	63.7	48.7	73.1

Manual Integrations
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3/22/2019 3:53:14 AM



#56

Ethyl methacrylate

Concen: 20.677 ug/l

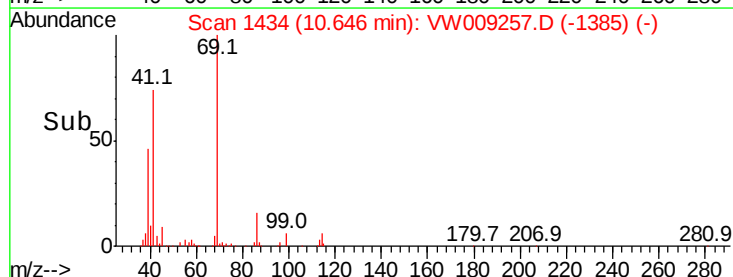
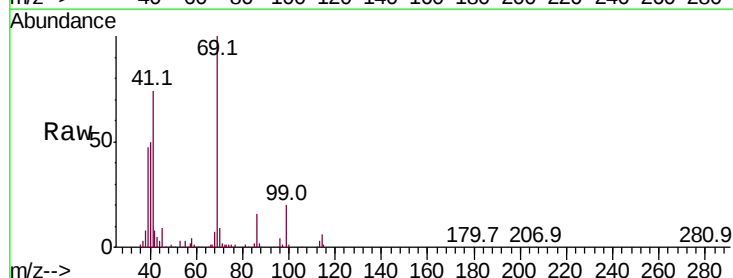
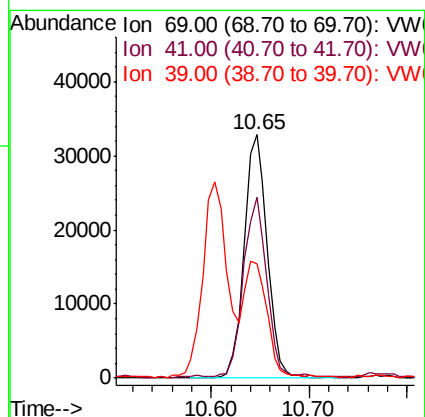
RT: 10.65 min Scan# 1434

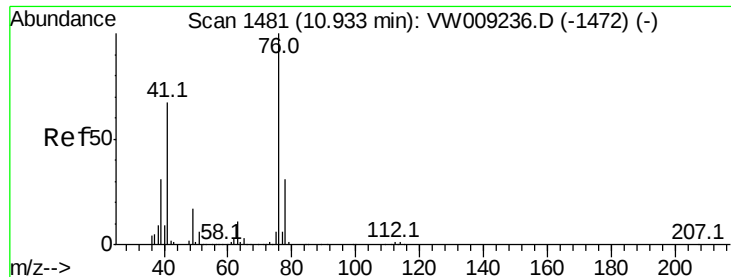
Delta R.T. 0.00 min

Lab File: VW009257.D

Acq: 20 Mar 2019 00:37

Tgt Ion:	69	Resp:	53795
Ion	Ratio	Lower	Upper
69	100		
41	73.4	59.3	88.9
39	45.2	36.2	54.2





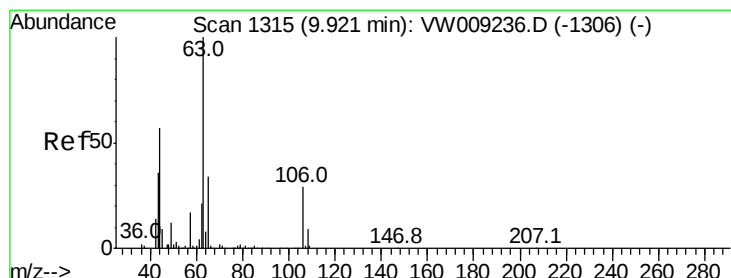
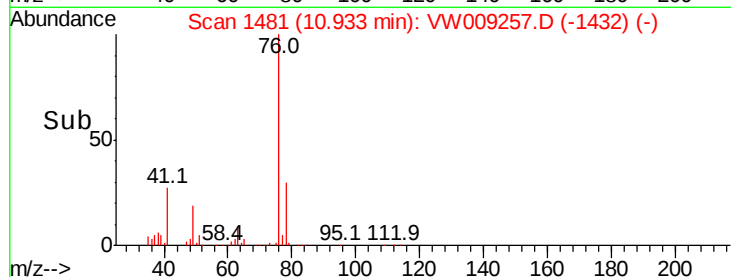
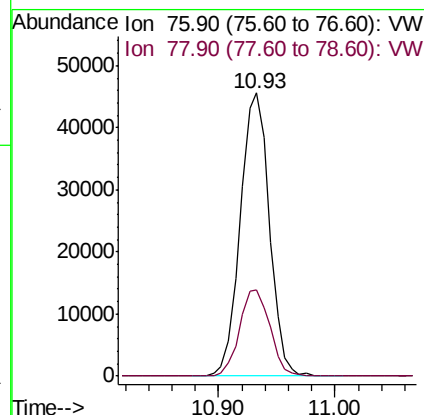
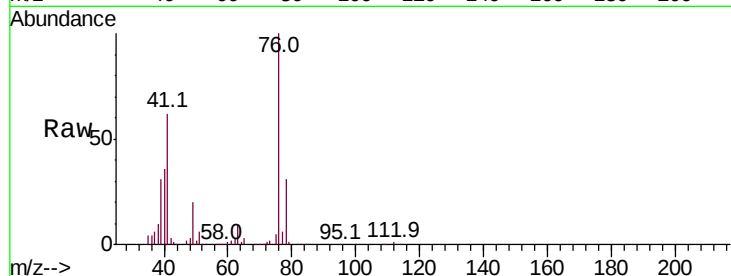
#57
 1,3-Dichloropropane
 Concen: 21.120 ug/l
 RT: 10.93 min Scan# 1481
 Delta R.T. 0.00 min
 Lab File: VW009257.D
 Acq: 20 Mar 2019 00:37

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0319SBS02

Tot Ion	Ratio	Lower	Upper
76	100		
78	31.9	25.8	38.6

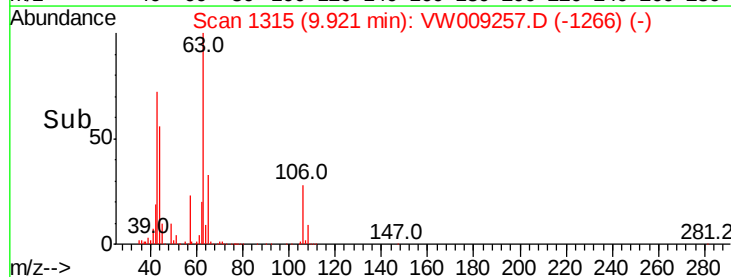
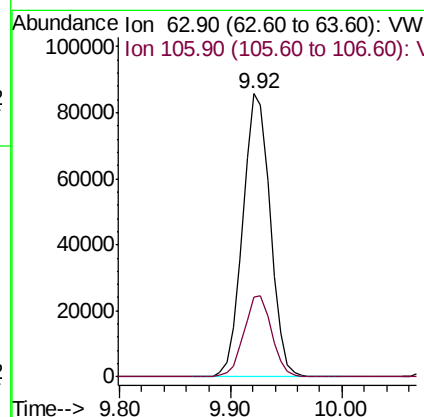
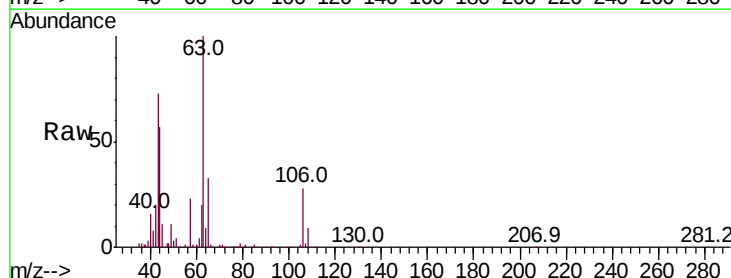
Manual Integrations
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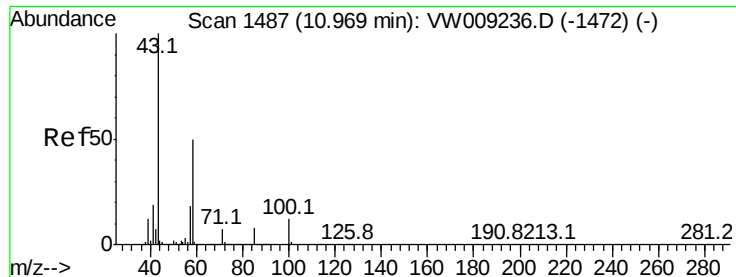
MMDadoda
 3/22/2019 3:53:14 AM



#58
 2-Chloroethyl Vinyl ether
 Concen: 192.535 ug/l
 RT: 9.92 min Scan# 1315
 Delta R.T. 0.00 min
 Lab File: VW009257.D
 Acq: 20 Mar 2019 00:37

Tgt Ion	Ratio	Lower	Upper
63	100		
106	29.0	22.9	34.3





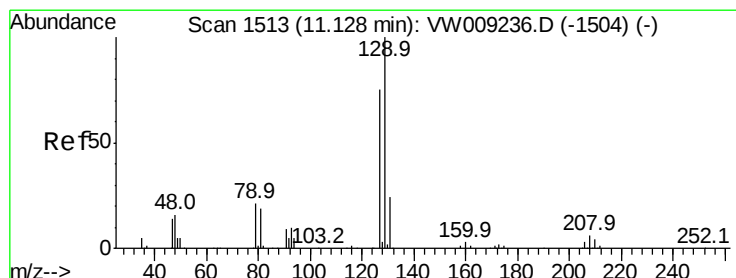
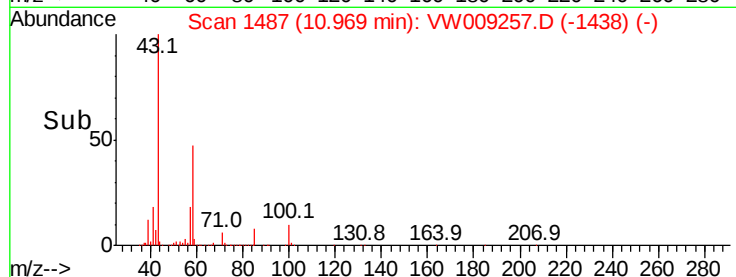
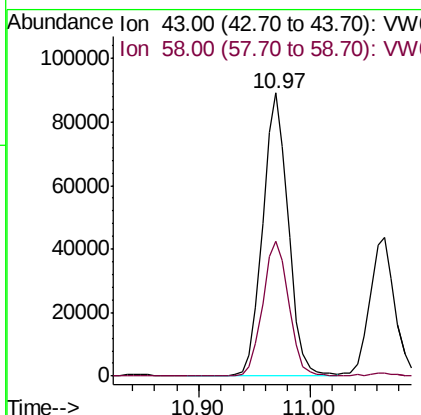
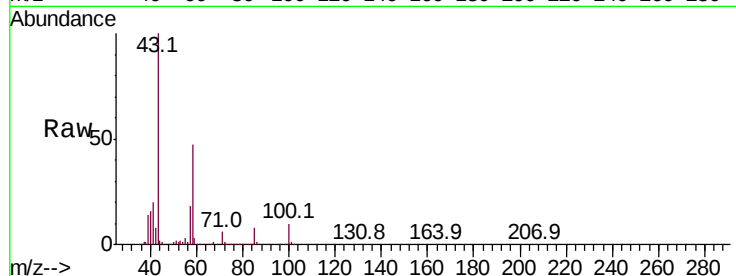
#59
2-Hexanone
Concen: 104.075 ug/l
RT: 10.97 min Scan# 1487
Delta R.T. 0.00 min
Lab File: VW009257.D
Acq: 20 Mar 2019 00:37

Instrument :
MSVOA_W
ClientSampleId :
VW0319SBS02

Tot Ion	Ratio	Lower	Upper
43	100		
58	48.5	24.2	72.6

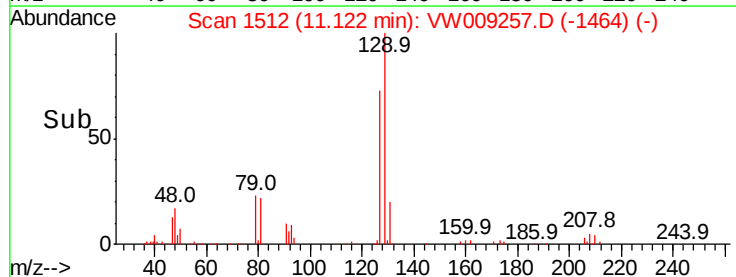
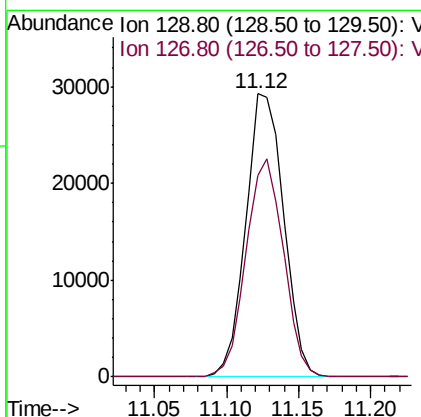
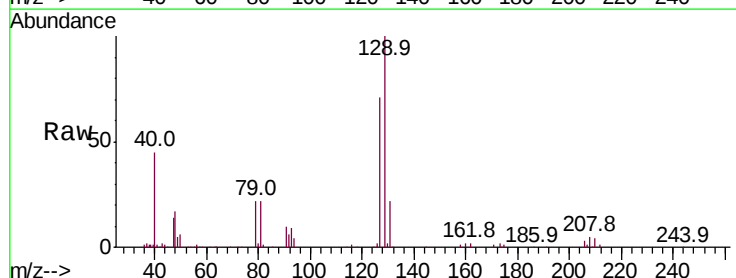
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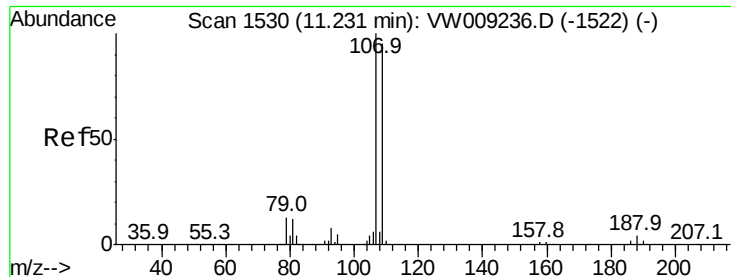
MMDadoda
3/22/2019 3:53:14 AM



#60
Dibromochloromethane
Concen: 19.723 ug/l
RT: 11.12 min Scan# 1512
Delta R.T. -0.01 min
Lab File: VW009257.D
Acq: 20 Mar 2019 00:37

Tgt Ion	Ratio	Lower	Upper
129	100		
127	76.1	38.1	114.5





#61

1,2-Dibromoethane

Concen: 20.680 ug/l

RT: 11.24 min Scan# 1531

Delta R.T. 0.01 min

Lab File: VW009257.D

Acq: 20 Mar 2019 00:37

Instrument :

MSVOA_W

ClientSampleId :

VW0319SBS02

Tot Ion:107 Resp: 43034

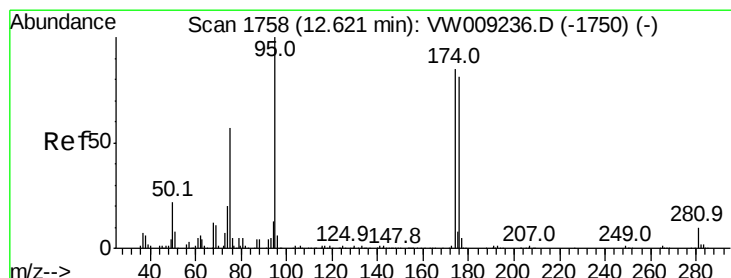
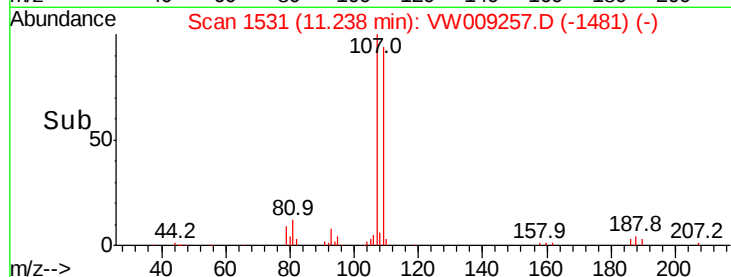
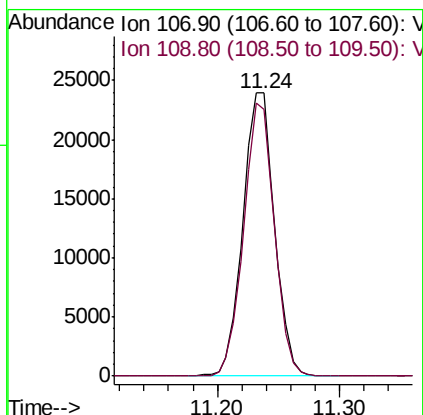
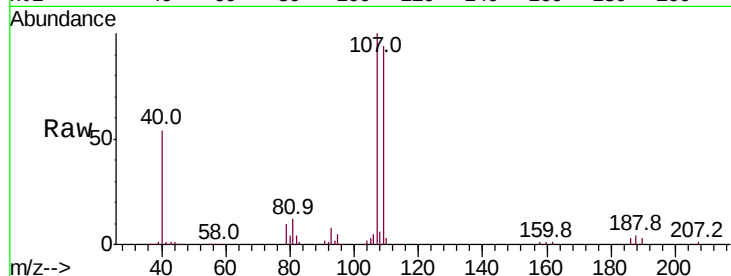
Ion Ratio Lower Upper

107 100

109 93.8 75.1 112.7

Manual Integrations
APPROVED

MMDadoda
3/22/2019 3:53:14 AM



#62

4-Bromofluorobenzene

Concen: 48.951 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. -0.01 min

Lab File: VW009257.D

Acq: 20 Mar 2019 00:37

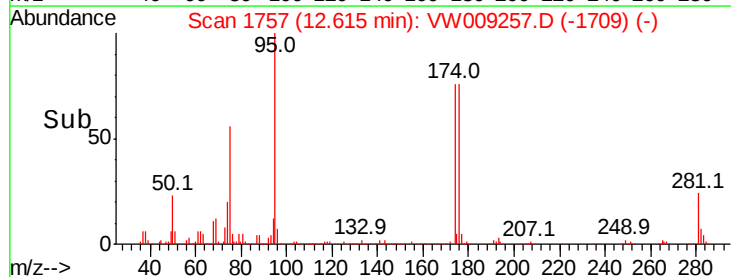
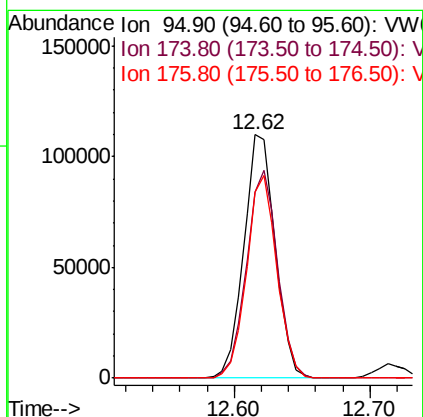
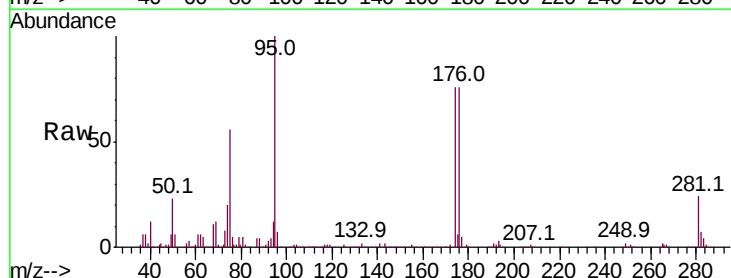
Tgt Ion: 95 Resp: 177228

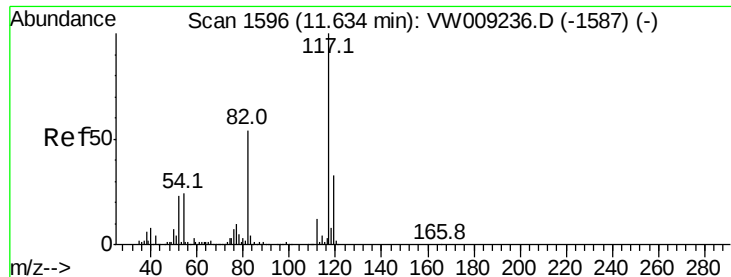
Ion Ratio Lower Upper

95 100

174 84.6 0.0 168.4

176 80.4 0.0 161.6





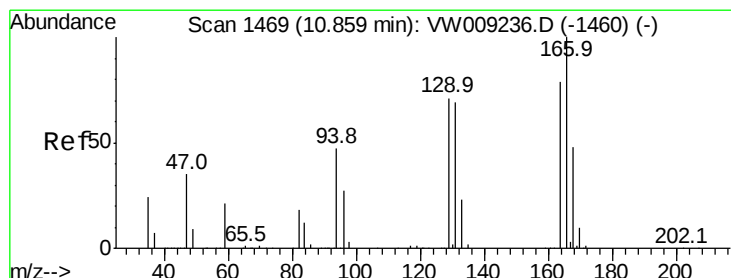
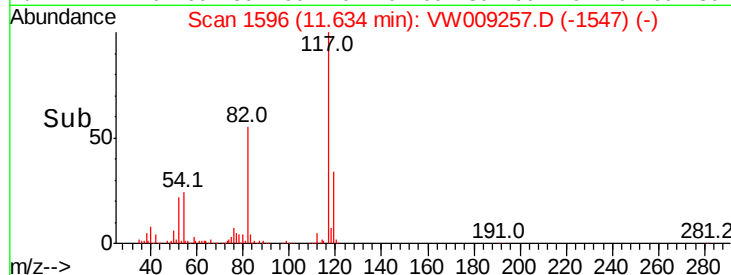
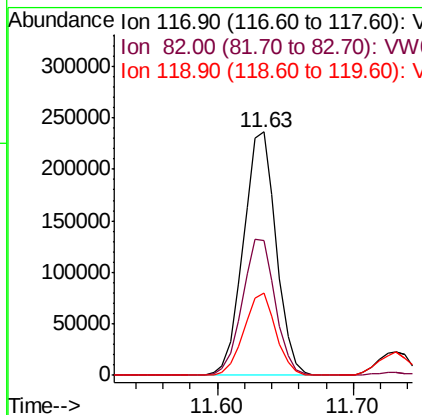
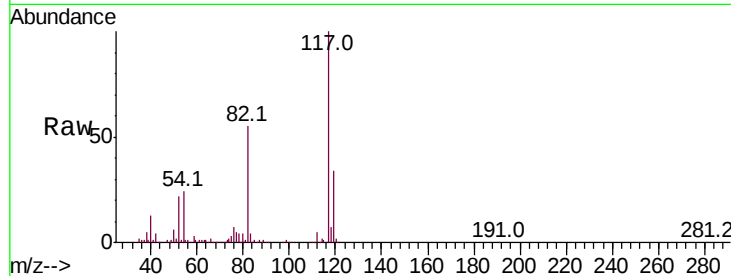
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1596
Delta R.T. 0.00 min
Lab File: VW009257.D
Acq: 20 Mar 2019 00:37

Instrument :
MSVOA_W
ClientSampleId :
VW0319SBS02

Tot Ion	Ratio	Lower	Upper
117	100		
82	55.3	43.6	65.4
119	33.8	26.0	39.0

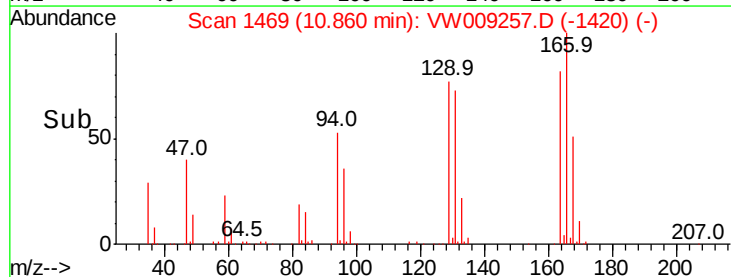
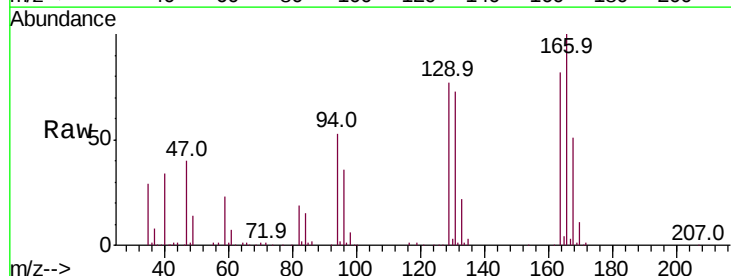
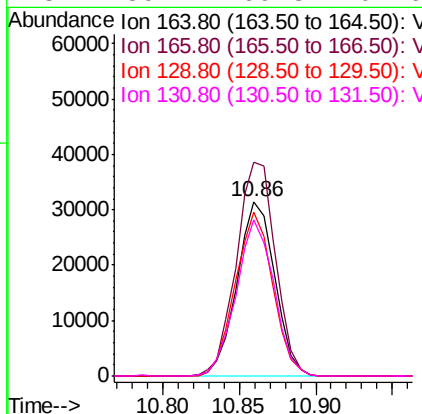
Manual Integrations
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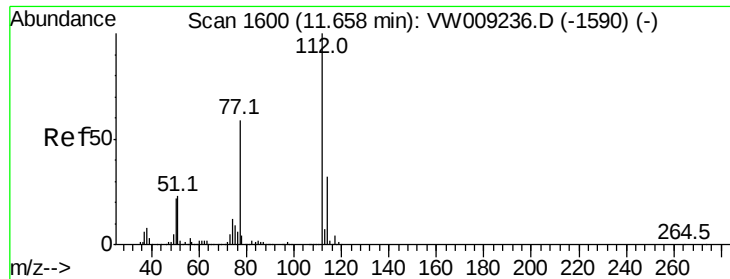
MMDadoda
3/22/2019 3:53:14 AM



#64
Tetrachloroethene
Concen: 19.781 ug/l
RT: 10.86 min Scan# 1469
Delta R.T. 0.00 min
Lab File: VW009257.D
Acq: 20 Mar 2019 00:37

Tgt Ion	Ratio	Lower	Upper
164	100		
166	122.4	100.9	151.3
129	94.1	72.0	108.0
131	89.4	69.8	104.6





#65

Chlorobenzene

Concen: 19.718 ug/l

RT: 11.66 min Scan# 1600

Delta R.T. 0.00 min

Lab File: VW009257.D

Acq: 20 Mar 2019 00:37

Instrument :

MSVOA_W

ClientSampleId :

VW0319SBS02

Tot Ion:112 Resp: 162430

Ion Ratio Lower Upper

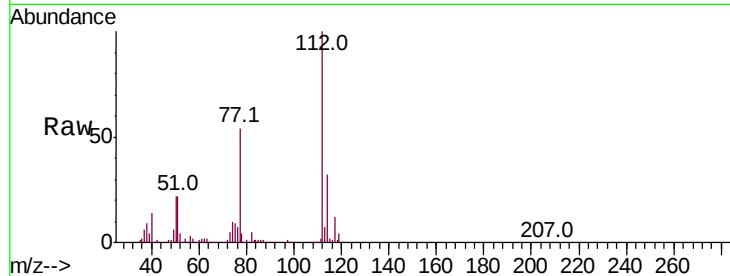
112 100

114 31.8 25.6 38.4

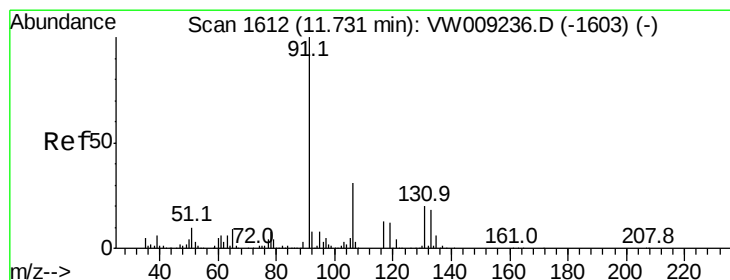
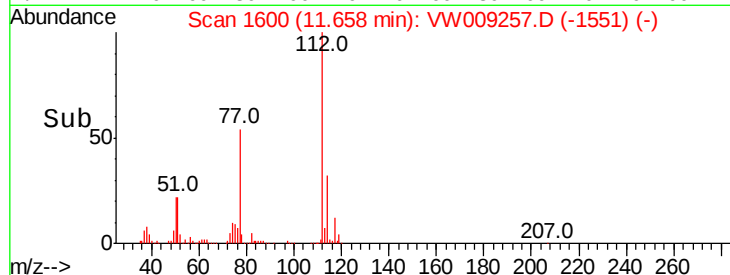
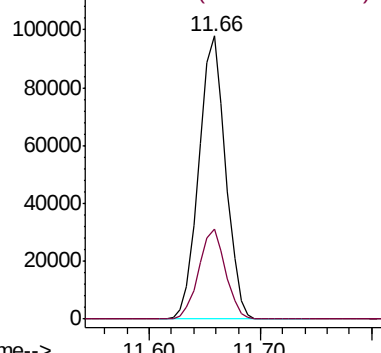
Manual Integrations
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Abundance Ion 111.90 (111.60 to 112.60): V



#66

1,1,1,2-Tetrachloroethane

Concen: 18.860 ug/l

RT: 11.73 min Scan# 1612

Delta R.T. 0.00 min

Lab File: VW009257.D

Acq: 20 Mar 2019 00:37

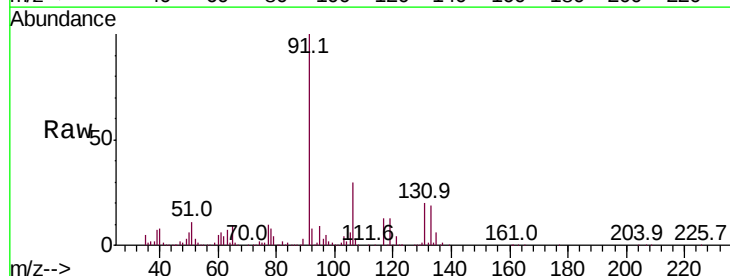
Tgt Ion:131 Resp: 58030

Ion Ratio Lower Upper

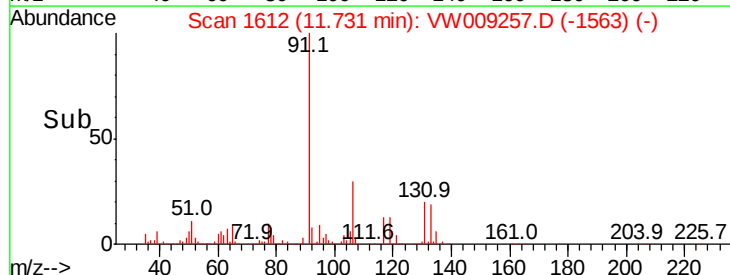
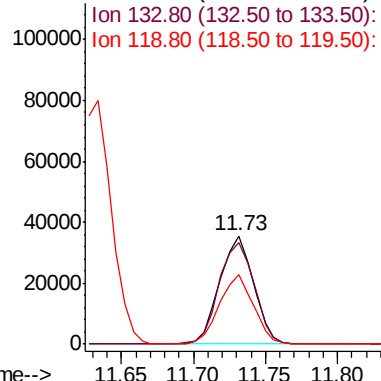
131 100

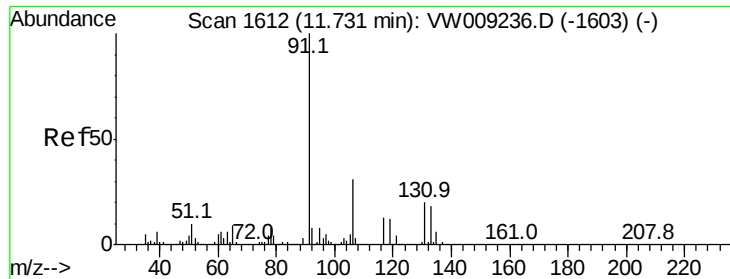
133 97.9 47.3 141.8

119 64.5 31.6 95.0



Abundance Ion 130.80 (130.50 to 131.50): V





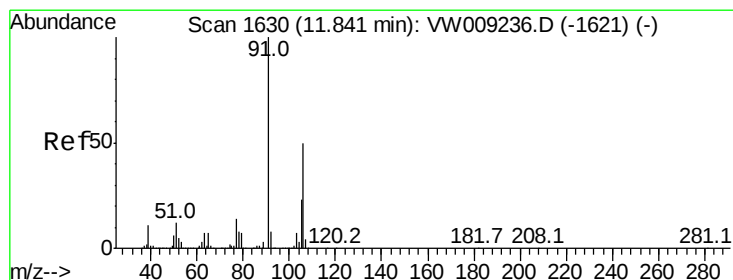
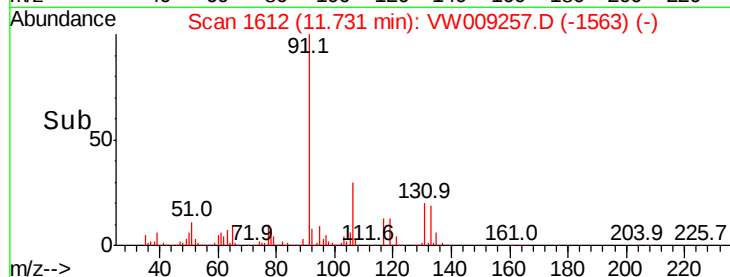
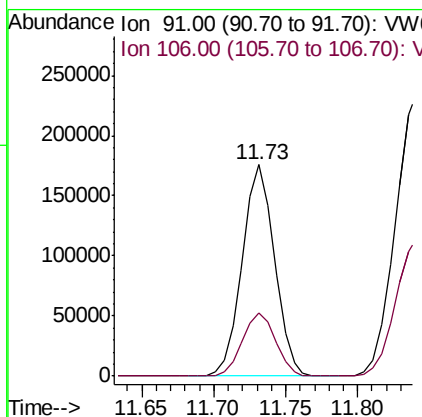
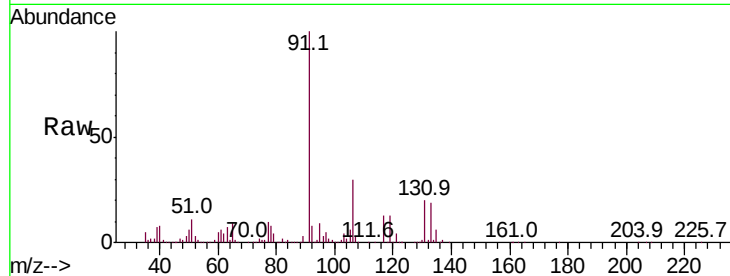
#67
Ethyl Benzene
Concen: 19.184 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. 0.00 min
Lab File: VW009257.D
Acq: 20 Mar 2019 00:37

Instrument :
MSVOA_W
ClientSampleId :
VW0319SBS02

Tot Ion: 91 Resp: 273723
Ion Ratio Lower Upper
91 100
106 30.0 24.6 36.8

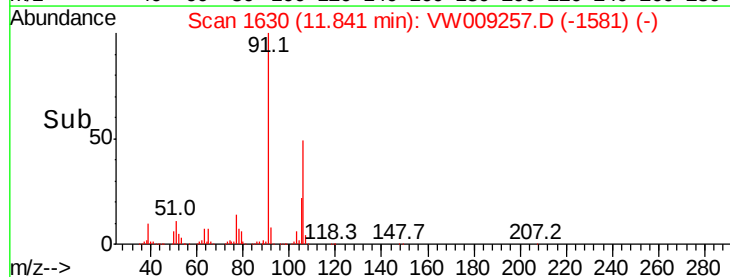
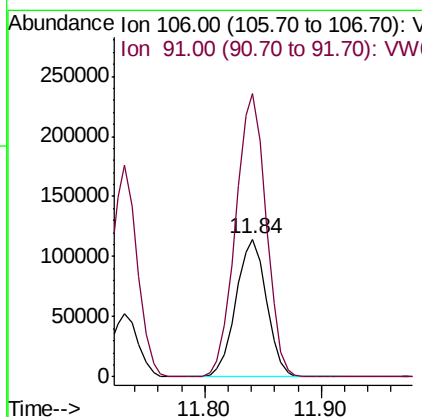
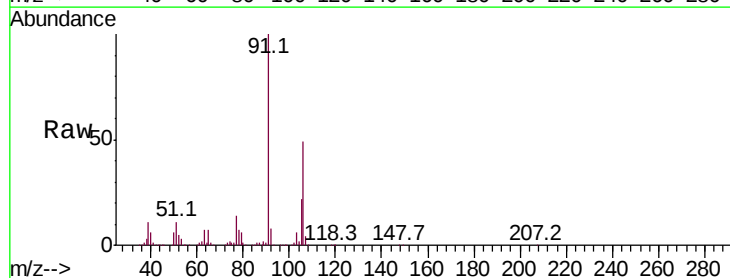
Manual Integrations
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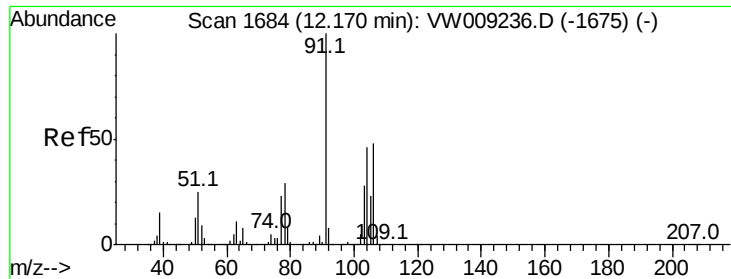
MMDadoda
3/22/2019 3:53:14 AM



#68
m/p-Xylenes
Concen: 37.962 ug/l
RT: 11.84 min Scan# 1630
Delta R.T. 0.00 min
Lab File: VW009257.D
Acq: 20 Mar 2019 00:37

Tgt Ion: 106 Resp: 209945
Ion Ratio Lower Upper
106 100
91 205.6 163.1 244.7





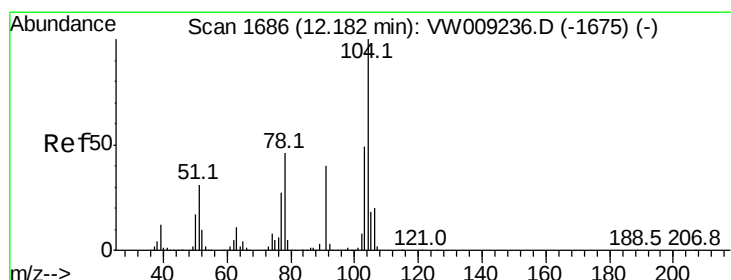
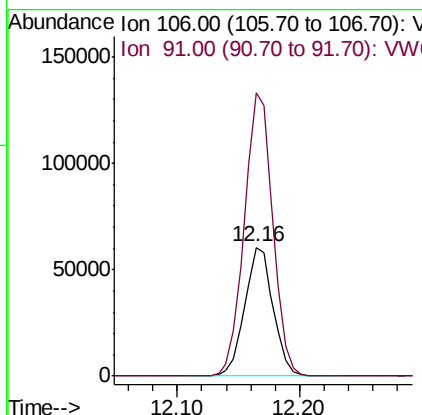
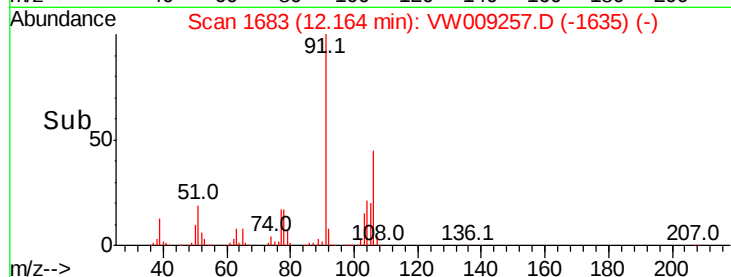
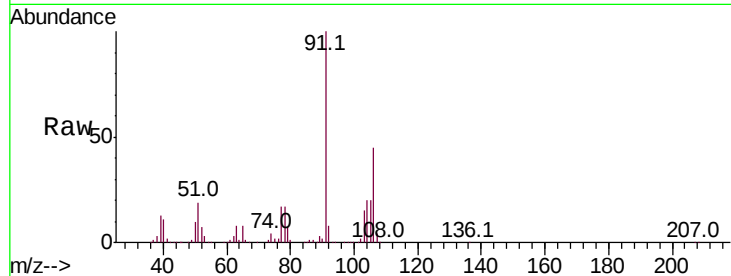
#69
o-Xylene
Concen: 18.956 ug/l
RT: 12.16 min Scan# 1683
Delta R.T. -0.01 min
Lab File: VW009257.D
Acq: 20 Mar 2019 00:37

Instrument :
MSVOA_W
ClientSampleId :
VW0319SBS02

Tot Ion:106 Resp: 97348
Ion Ratio Lower Upper
106 100
91 222.0 108.6 325.8

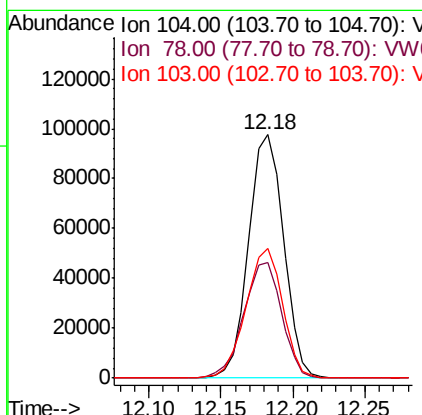
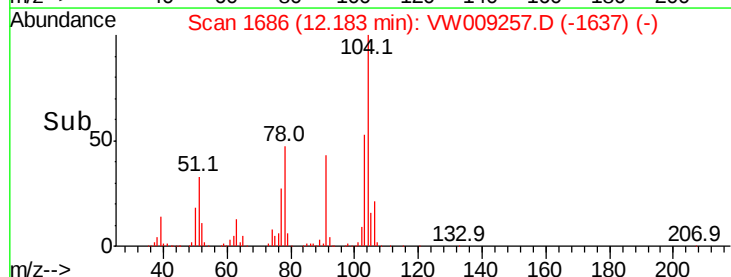
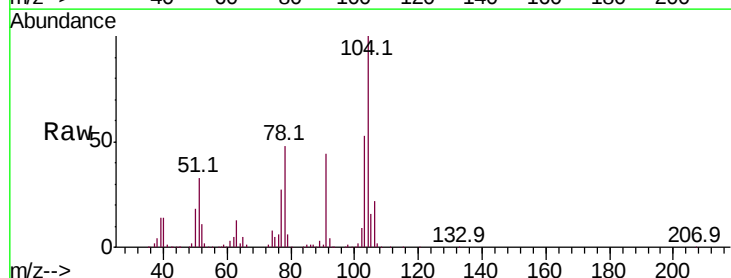
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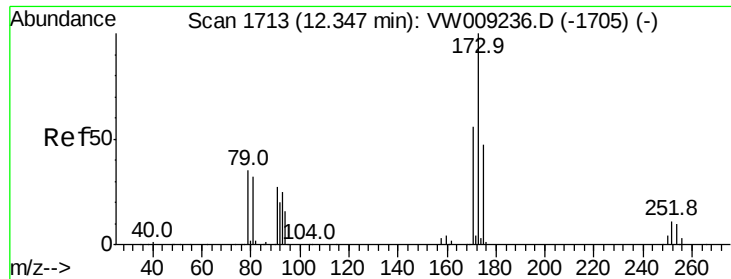
MMDadoda
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#70
Styrene
Concen: 19.419 ug/l
RT: 12.18 min Scan# 1686
Delta R.T. 0.00 min
Lab File: VW009257.D
Acq: 20 Mar 2019 00:37

Tgt Ion:104 Resp: 164425
Ion Ratio Lower Upper
104 100
78 51.7 42.2 63.4
103 55.9 44.6 66.8





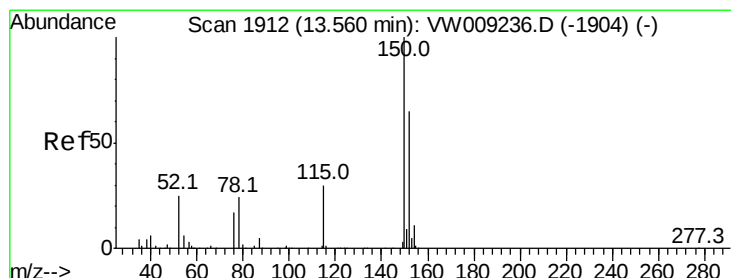
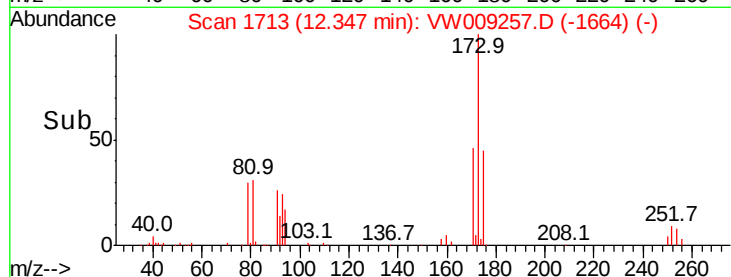
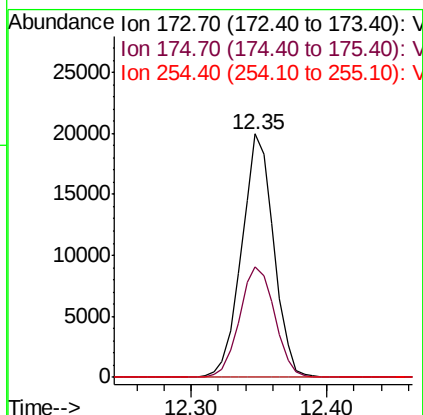
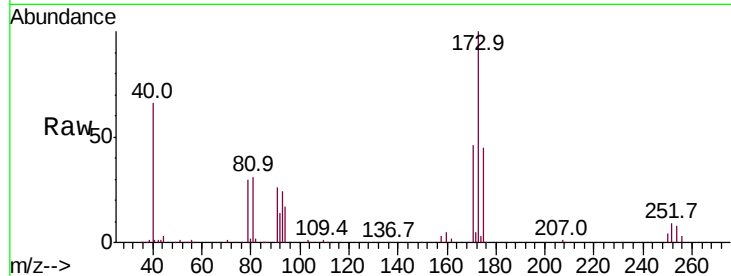
#71
Bromoform
Concen: 19.529 ug/l
RT: 12.35 min Scan# 1713
Delta R.T. 0.00 min
Lab File: VW009257.D
Acq: 20 Mar 2019 00:37

Instrument :
MSVOA_W
ClientSampleId :
VW0319SBS02

Tot Ion	Ratio	Lower	Upper
173	100		
175	49.5	24.1	72.4
254	0.0	0.2	0.4

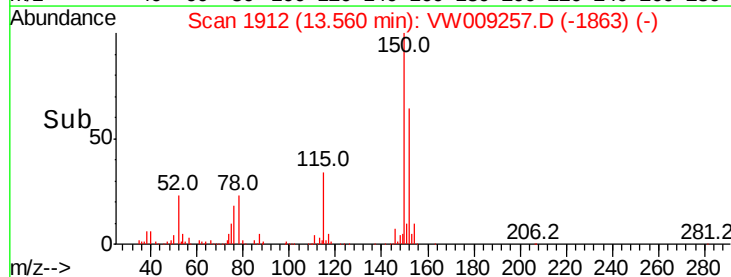
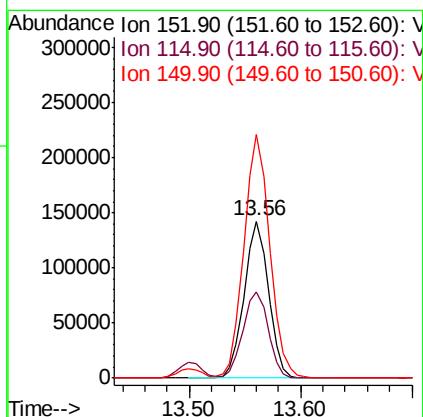
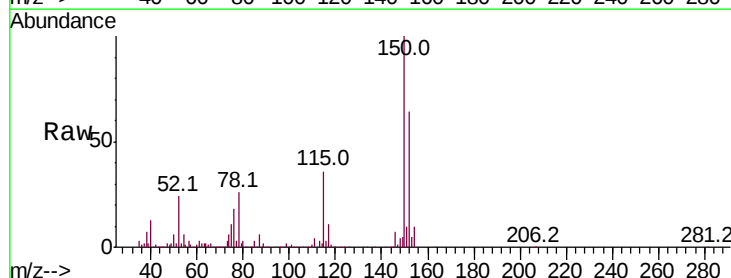
Manual Integrations
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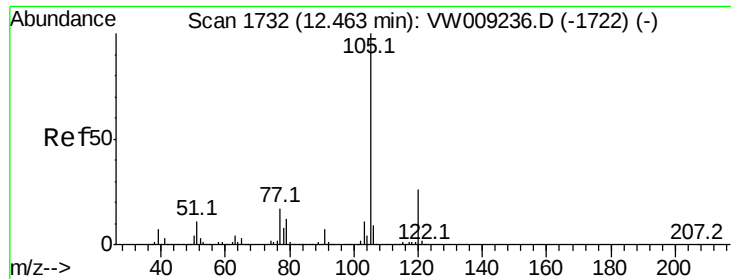
MMDadoda
3/22/2019 3:53:14 AM



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.56 min Scan# 1912
Delta R.T. 0.00 min
Lab File: VW009257.D
Acq: 20 Mar 2019 00:37

Tgt Ion	Ratio	Lower	Upper
152	100		
115	57.8	29.6	88.8
150	164.2	0.0	349.2





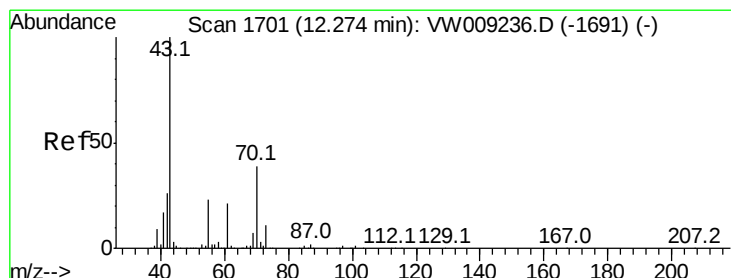
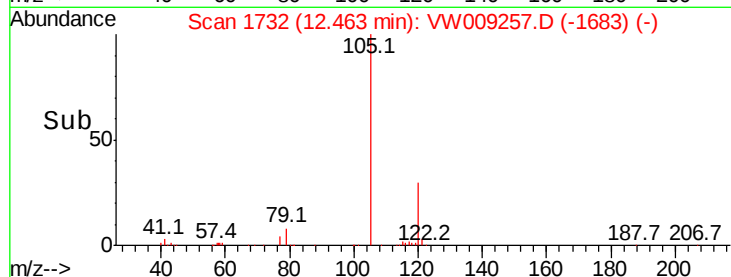
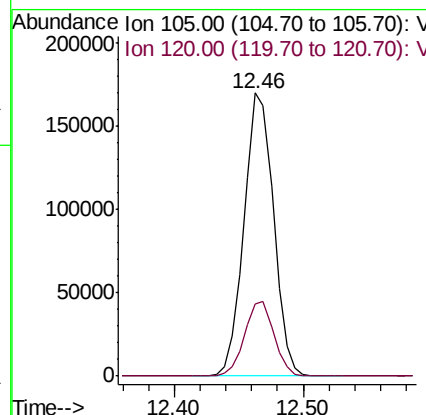
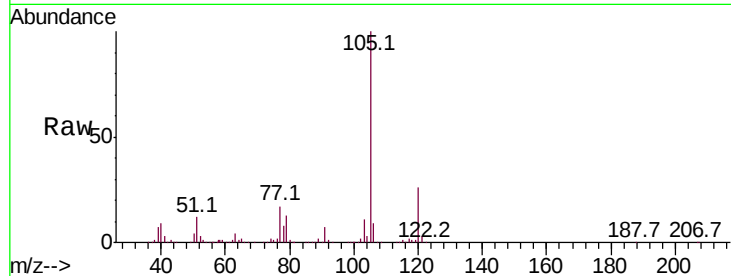
#73
Isopropylbenzene
Concen: 18.533 ug/l
RT: 12.46 min Scan# 1732
Delta R.T. 0.00 min
Lab File: VW009257.D
Acq: 20 Mar 2019 00:37

Instrument :
MSVOA_W
ClientSampleId :
VW0319SBS02

Tot Ion	Ratio	Lower	Upper
105	100		
120	26.2	13.0	39.0

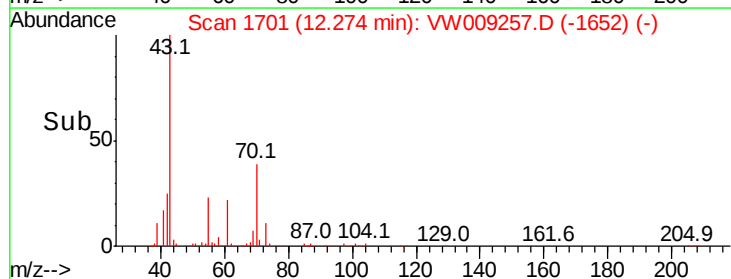
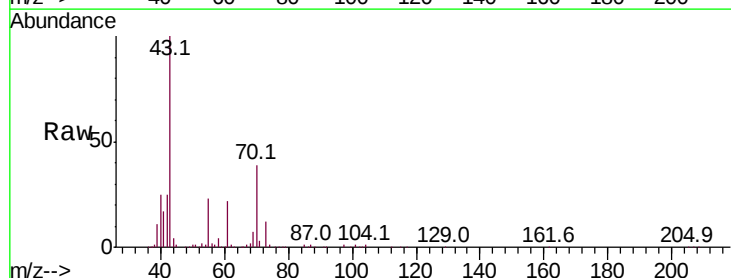
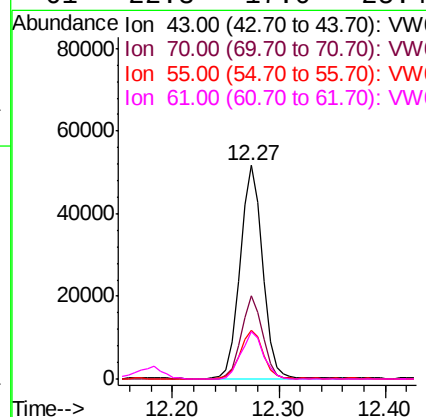
Manual Integrations
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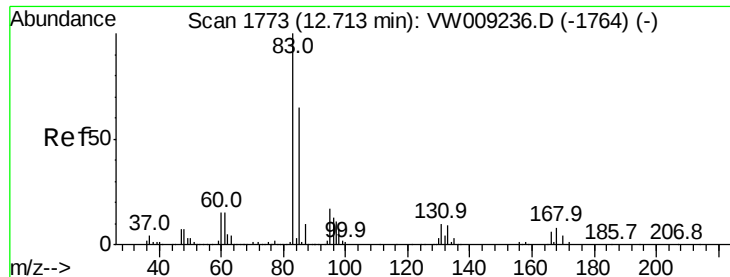
MMDadoda
3/22/2019 3:53:14 AM



#74
N-ethyl acetate
Concen: 20.400 ug/l
RT: 12.27 min Scan# 1701
Delta R.T. 0.00 min
Lab File: VW009257.D
Acq: 20 Mar 2019 00:37

Tgt Ion	Ratio	Lower	Upper
43	100		
70	36.9	30.6	46.0
55	23.6	19.3	28.9
61	22.3	17.0	25.4





#75

1,1,2,2-Tetrachloroethane

Concen: 20.341 ug/l

RT: 12.71 min Scan# 1773

Delta R.T. 0.00 min

Lab File: VW009257.D

Acq: 20 Mar 2019 00:37

Instrument :

MSVOA_W

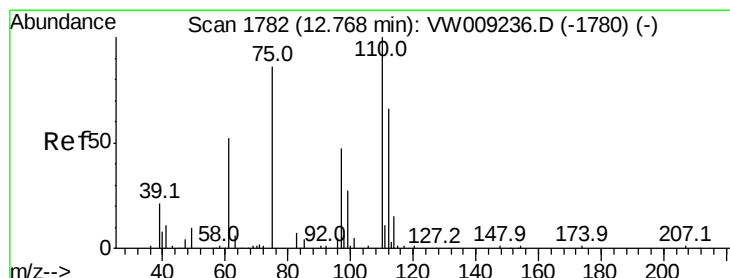
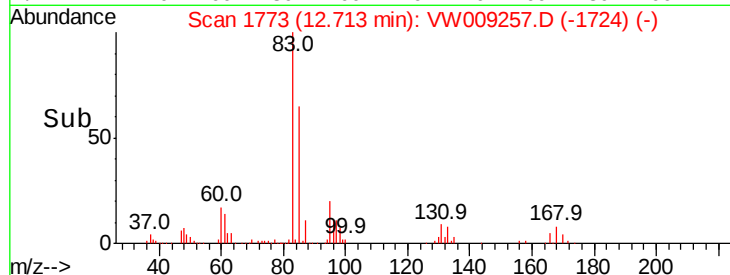
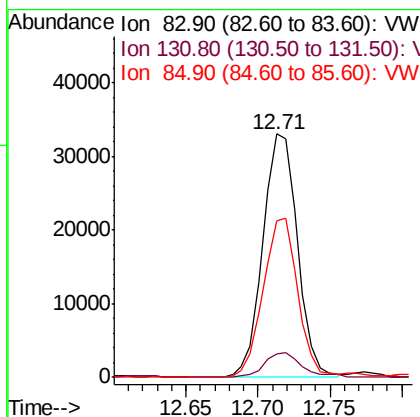
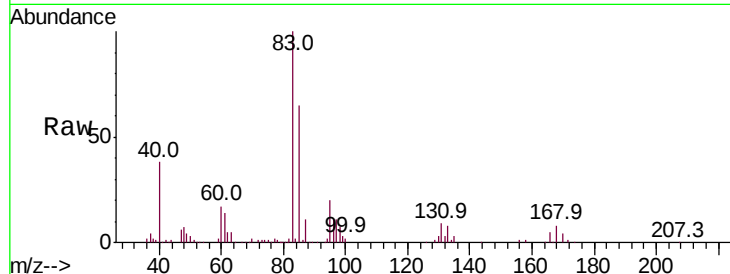
ClientSampleId :

VW0319SBS02

Tot Ion:	83	Resp:	55107
Ion Ratio	Lower	Upper	
83	100		
131	11.0	5.3	16.1
85	65.2	32.6	97.8

Manual Integrations
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MMDadoda
3/22/2019 3:53:14 AM



#76

1,2,3-Trichloropropane

Concen: 19.079 ug/l m

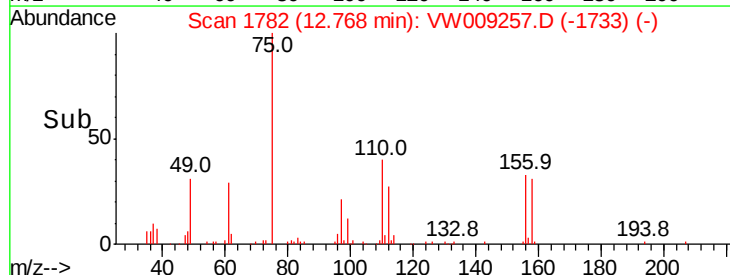
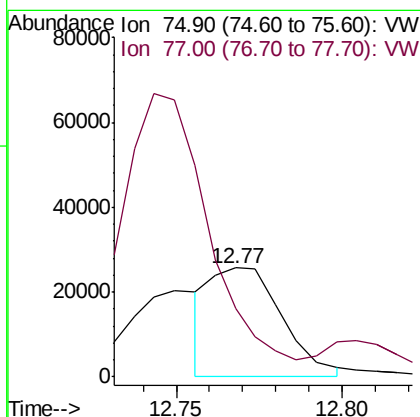
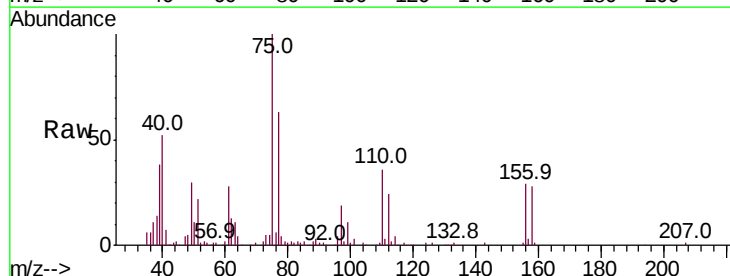
RT: 12.77 min Scan# 1782

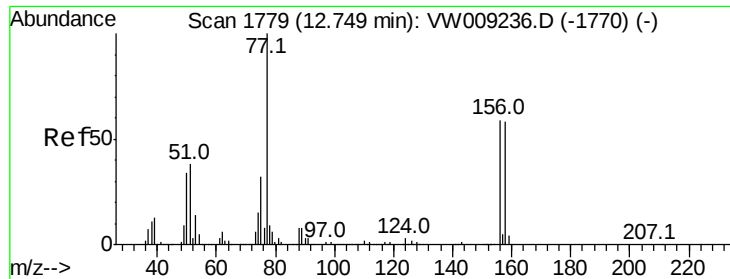
Delta R.T. 0.00 min

Lab File: VW009257.D

Acq: 20 Mar 2019 00:37

Tgt Ion:	75	Resp:	38849
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





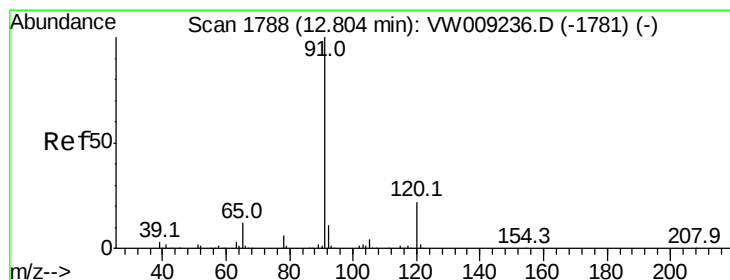
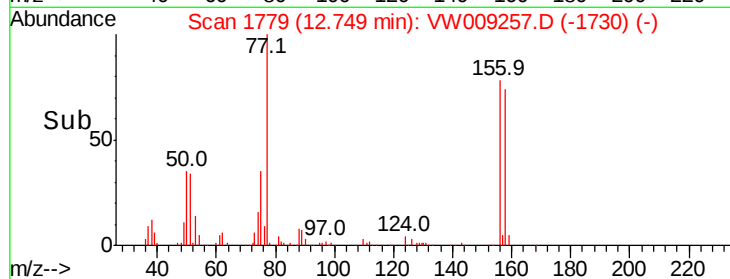
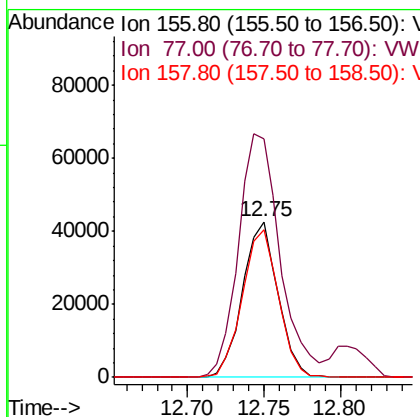
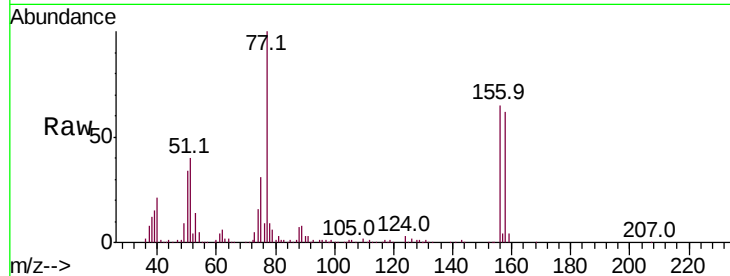
#77
Bromobenzene
Concen: 19.889 ug/l
RT: 12.75 min Scan# 1779
Delta R.T. 0.00 min
Lab File: VW009257.D
Acq: 20 Mar 2019 00:37

Instrument :
MSVOA_W
ClientSampleId :
VW0319SBS02

Tot Ion	Ratio	Lower	Upper
156	100		
77	184.7	96.0	288.0
158	97.0	49.1	147.3

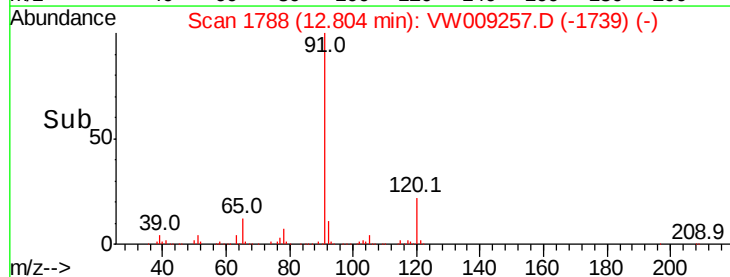
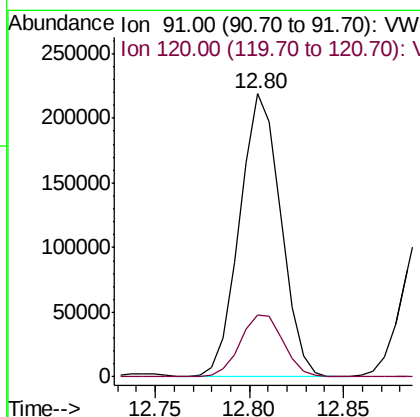
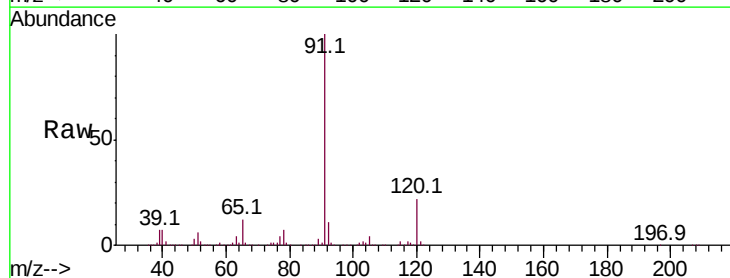
Manual Integrations
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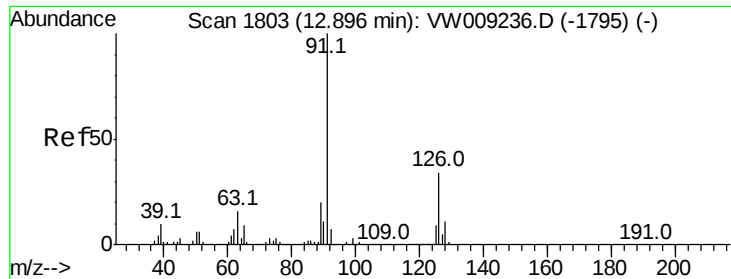
MMDadoda
3/22/2019 3:53:14 AM



#78
n-propylbenzene
Concen: 18.691 ug/l
RT: 12.80 min Scan# 1788
Delta R.T. 0.00 min
Lab File: VW009257.D
Acq: 20 Mar 2019 00:37

Tgt Ion	Ratio	Lower	Upper
91	100		
120	23.0	11.1	33.3





#79

2-Chlorotoluene

Concen: 19.155 ug/l

RT: 12.89 min Scan# 1802

Delta R.T. -0.01 min

Lab File: VW009257.D

Acq: 20 Mar 2019 00:37

Instrument :

MSVOA_W

ClientSampleId :

VW0319SBS02

Tot Ion: 91 Resp: 193552

Ion Ratio Lower Upper

91 100

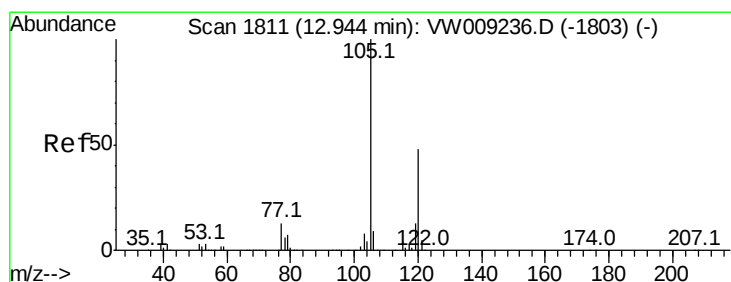
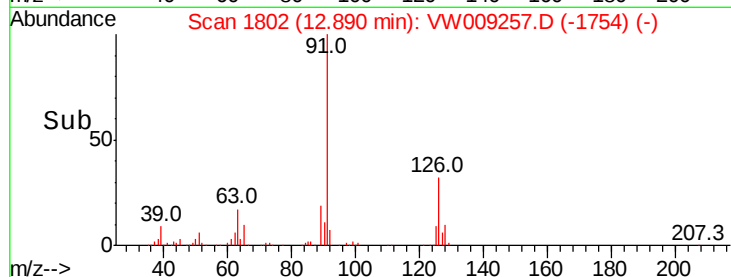
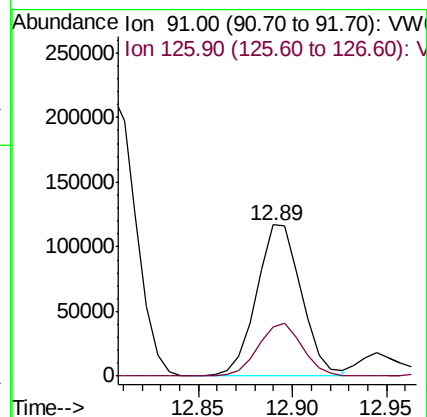
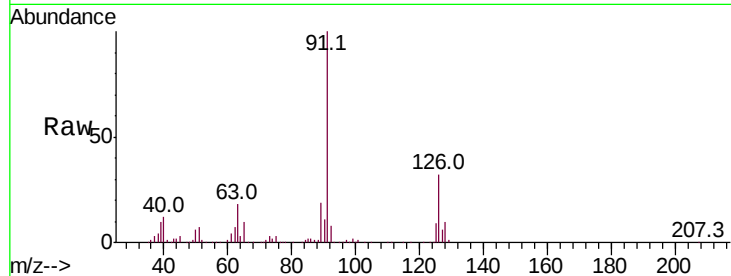
126 34.5 17.0 51.0

Manual Integrations

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#80

1,3,5-Trimethylbenzene

Concen: 19.191 ug/l

RT: 12.94 min Scan# 1811

Delta R.T. 0.00 min

Lab File: VW009257.D

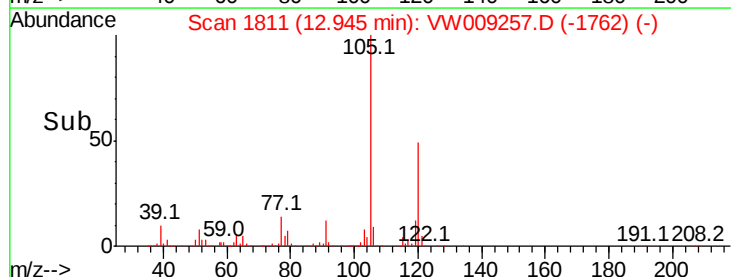
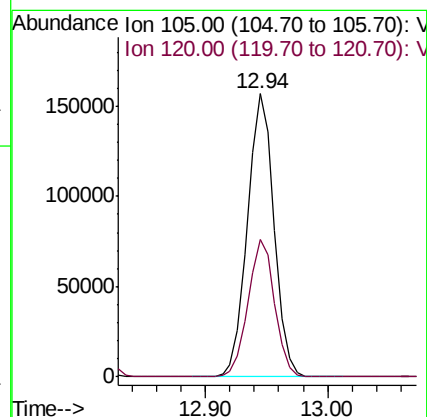
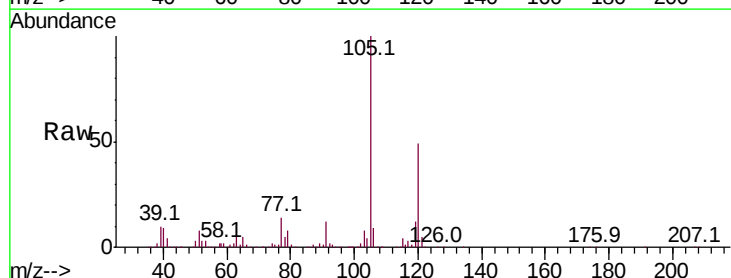
Acq: 20 Mar 2019 00:37

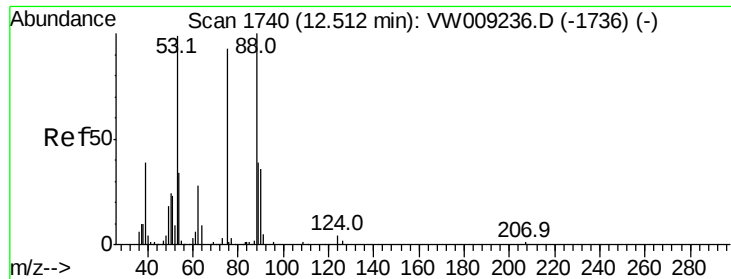
Tgt Ion:105 Resp: 236361

Ion Ratio Lower Upper

105 100

120 48.5 24.6 74.0





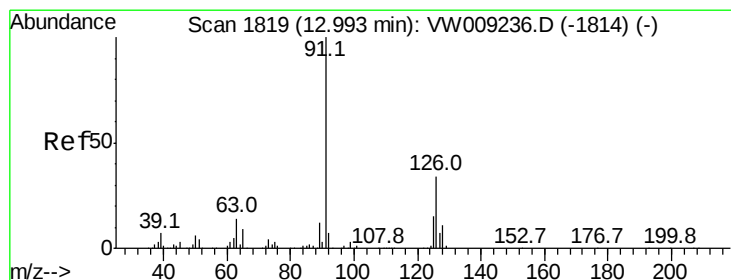
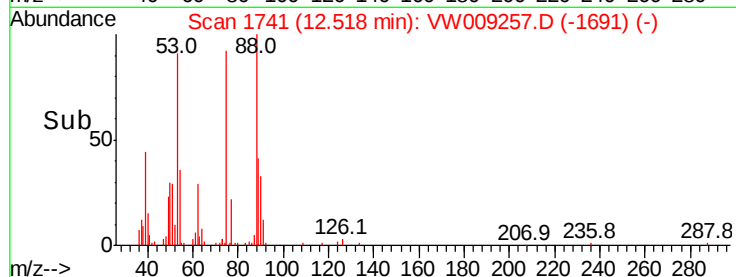
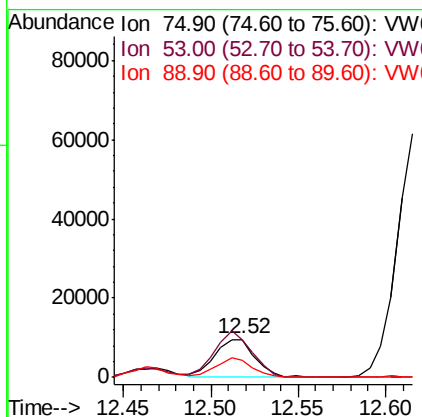
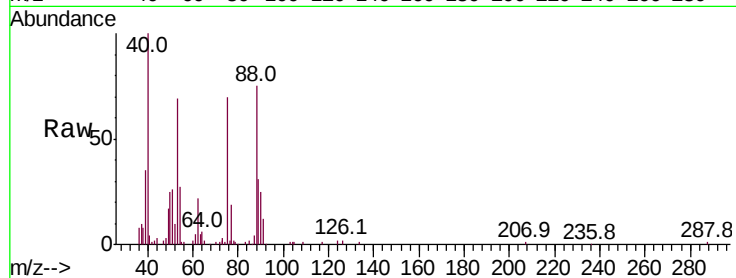
#81
trans-1,4-Dichloro-2-butene
Concen: 18.930 ug/l
RT: 12.52 min Scan# 1741
Delta R.T. 0.01 min
Lab File: VW009257.D
Acq: 20 Mar 2019 00:37

Instrument :
MSVOA_W
ClientSampleId :
VW0319SBS02

Tot Ion	Ratio	Lower	Upper
75	100		
53	111.4	86.7	130.1
89	44.9	36.4	54.6

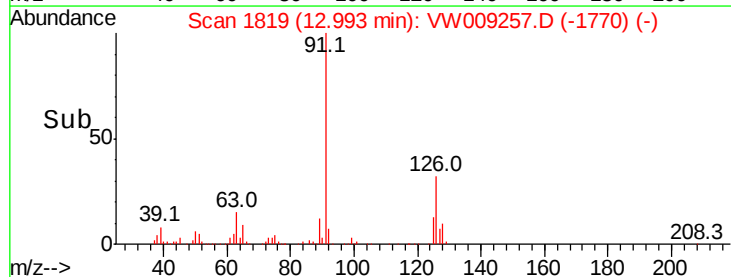
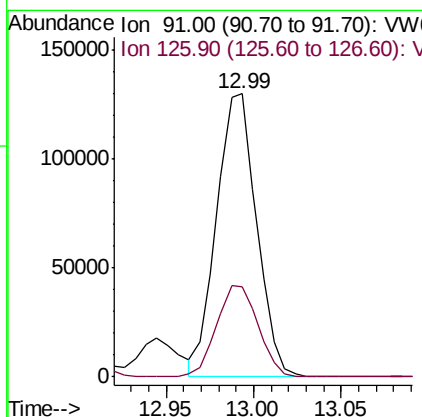
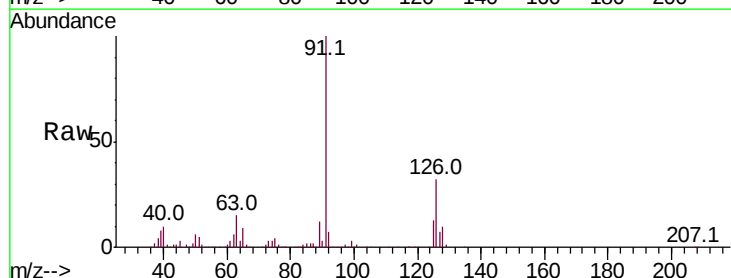
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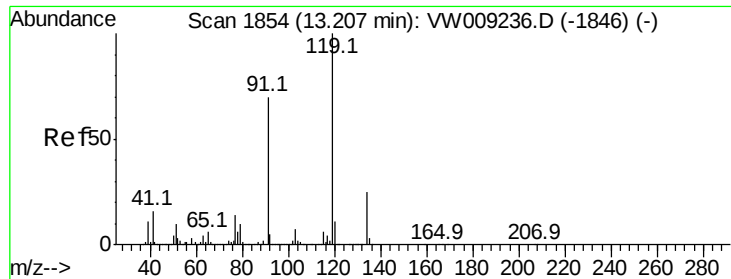
MMDadoda
3/22/2019 3:53:14 AM



#82
4-Chlorotoluene
Concen: 19.485 ug/l
RT: 12.99 min Scan# 1819
Delta R.T. 0.00 min
Lab File: VW009257.D
Acq: 20 Mar 2019 00:37

Tgt Ion	Ratio	Lower	Upper
91	100		
126	33.6	16.9	50.6





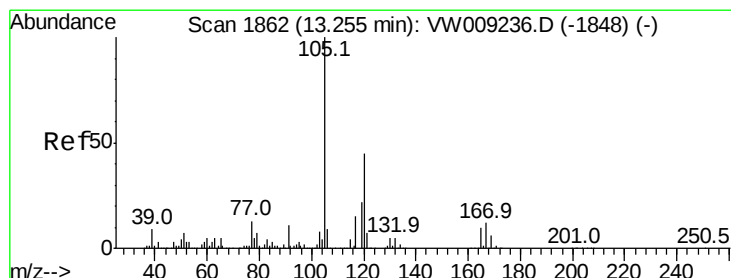
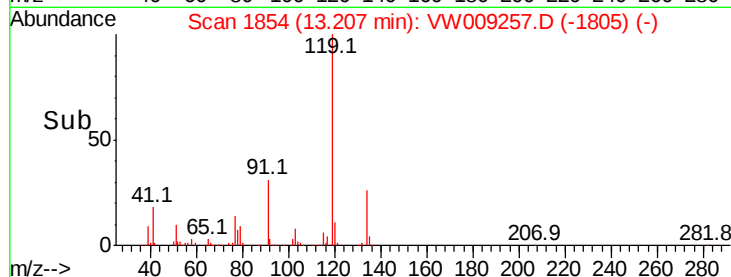
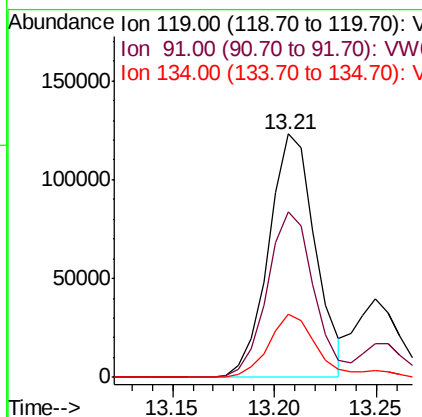
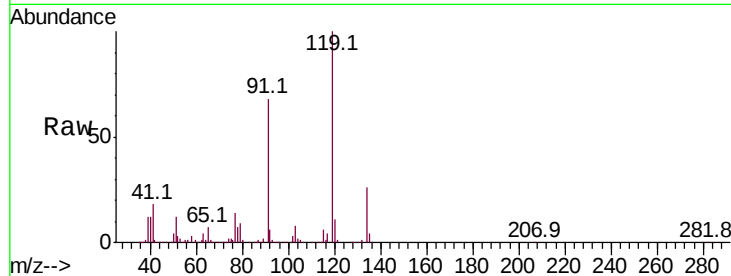
#83
tert-Butylbenzene
Concen: 18.654 ug/l
RT: 13.21 min Scan# 1854
Delta R.T. 0.00 min
Lab File: VW009257.D
Acq: 20 Mar 2019 00:37

Instrument :
MSVOA_W
ClientSampleId :
VW0319SBS02

Tot Ion	Ratio	Lower	Upper
119	100		
91	68.6	34.4	103.2
134	27.8	12.7	38.1

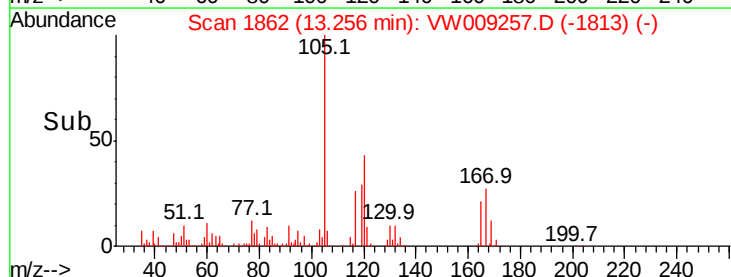
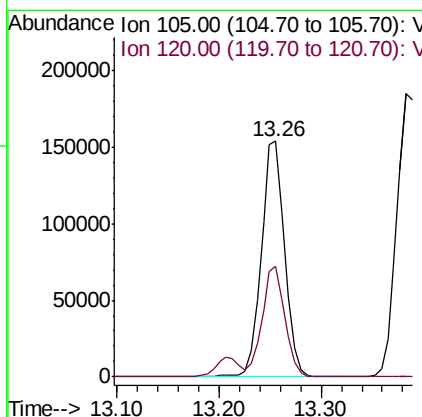
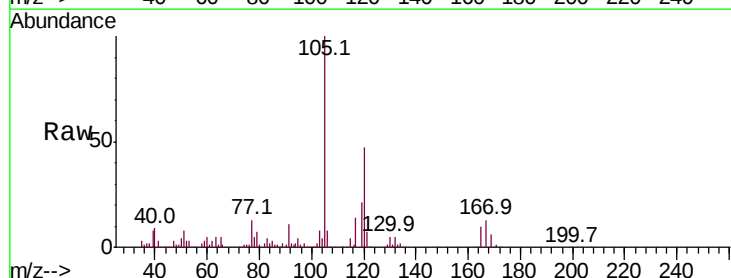
Manual Integrations
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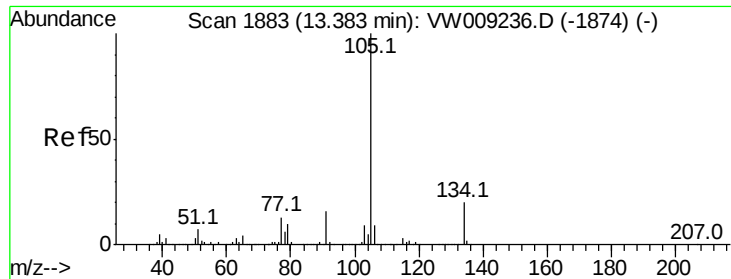
MMDadoda
3/22/2019 3:53:14 AM



#84
1,2,4-Trimethylbenzene
Concen: 19.374 ug/l
RT: 13.26 min Scan# 1862
Delta R.T. 0.00 min
Lab File: VW009257.D
Acq: 20 Mar 2019 00:37

Tgt Ion	Ratio	Lower	Upper
105	100		
120	45.6	22.8	68.3





#85

sec-Butylbenzene

Concen: 18.749 ug/l

RT: 13.38 min Scan# 1883

Delta R.T. 0.00 min

Lab File: VW009257.D

Acq: 20 Mar 2019 00:37

Instrument :

MSVOA_W

ClientSampleId :

VW0319SBS02

Tot Ion:105 Resp: 291606

Ion Ratio Lower Upper

105 100

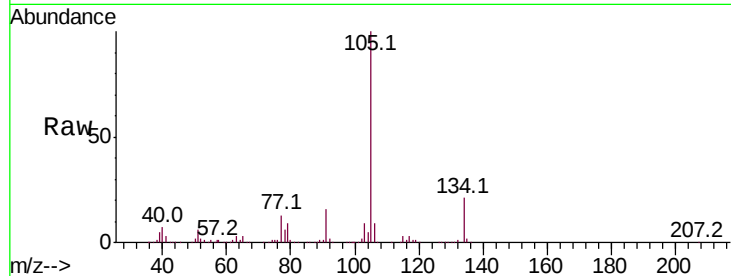
134 20.5 10.2 30.6

Manual Integrations

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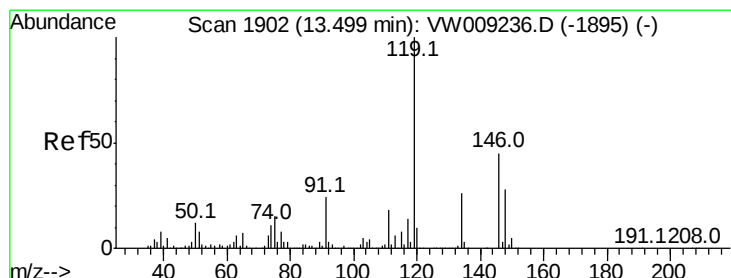
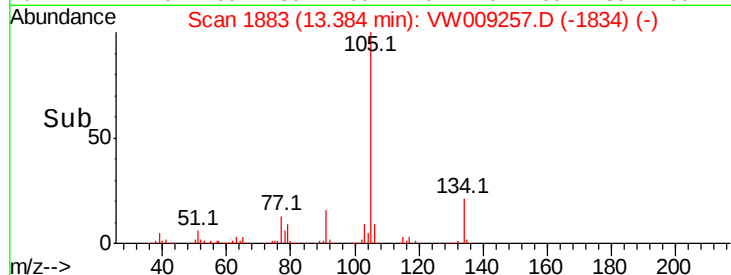
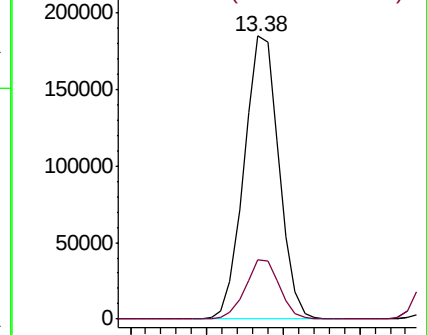
MMDadoda

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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 18.777 ug/l

RT: 13.50 min Scan# 1902

Delta R.T. 0.00 min

Lab File: VW009257.D

Acq: 20 Mar 2019 00:37

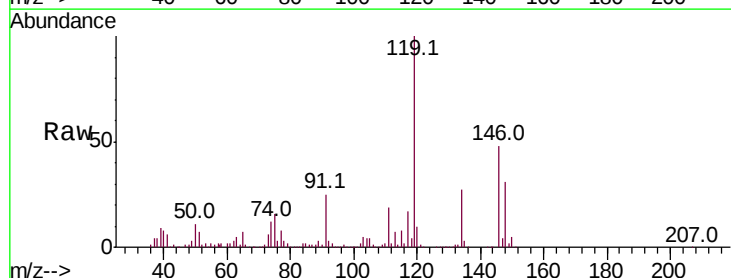
Tgt Ion:119 Resp: 260055

Ion Ratio Lower Upper

119 100

134 26.5 13.1 39.3

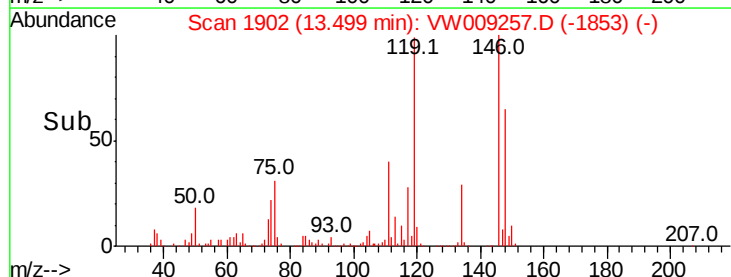
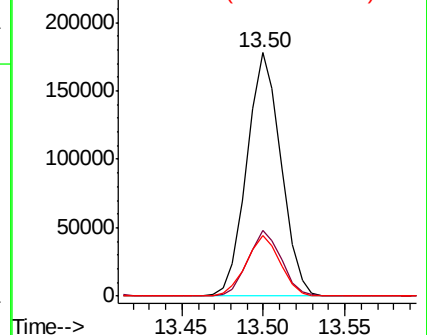
91 25.0 12.3 36.8

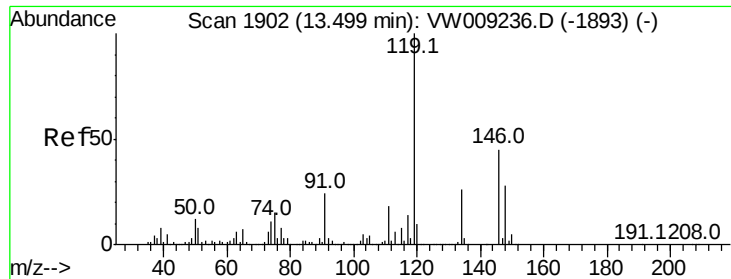


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V





#87

1,3-Dichlorobenzene

Concen: 19.374 ug/l

RT: 13.50 min Scan# 1902

Delta R.T. 0.00 min

Lab File: VW009257.D

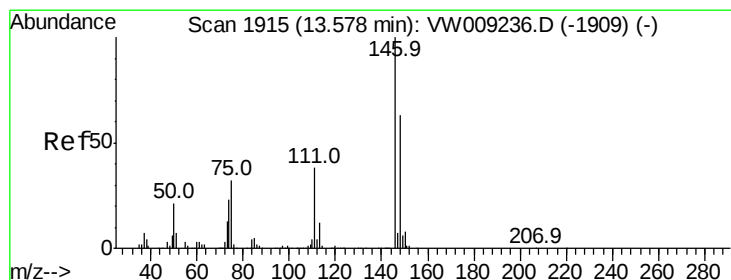
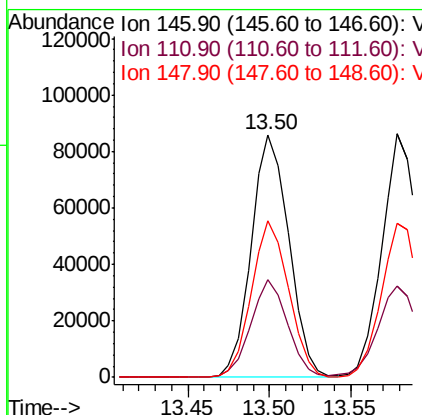
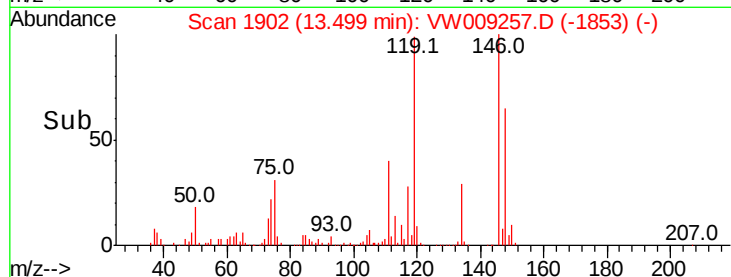
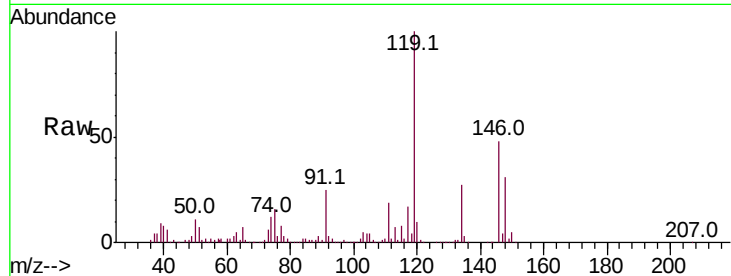
Acq: 20 Mar 2019 00:37

Instrument :
MSVOA_W
ClientSampleId :
VW0319SBS02

Tot Ion	Ratio	Resp	Lower	Upper
146	100	137535		
111	39.4	20.1	60.2	
148	63.9	31.4	94.3	

Manual Integrations
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#88

1,4-Dichlorobenzene

Concen: 19.124 ug/l

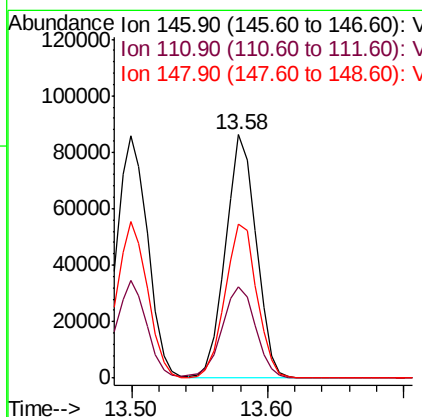
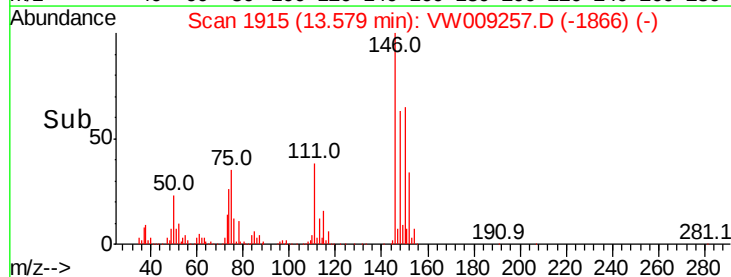
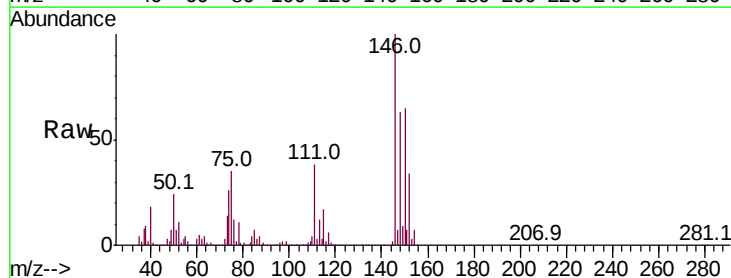
RT: 13.58 min Scan# 1915

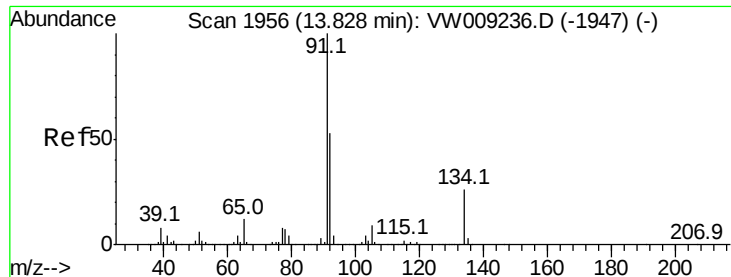
Delta R.T. 0.00 min

Lab File: VW009257.D

Acq: 20 Mar 2019 00:37

Tgt Ion	Ratio	Resp	Lower	Upper
146	100	135176		
111	40.9	19.9	59.6	
148	65.8	32.2	96.6	





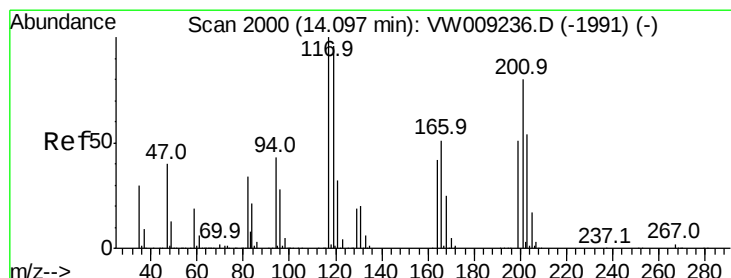
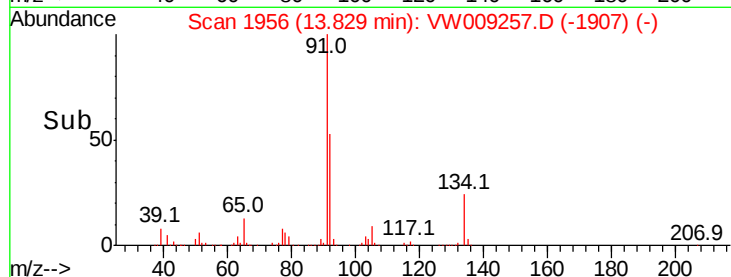
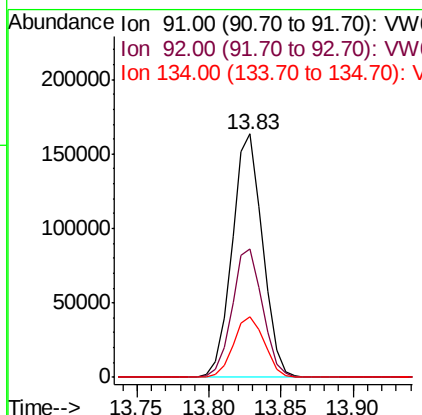
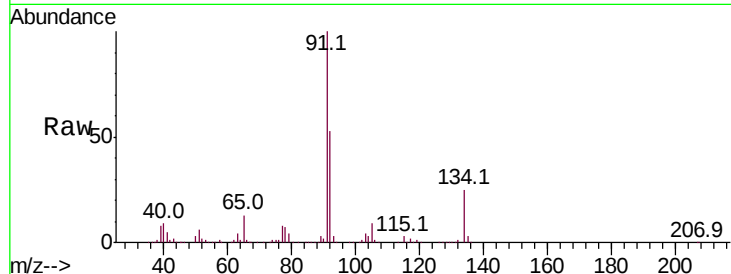
#89
n-Butylbenzene
Concen: 18.160 ug/l
RT: 13.83 min Scan# 1956
Delta R.T. 0.00 min
Lab File: VW009257.D
Acq: 20 Mar 2019 00:37

Instrument :
MSVOA_W
ClientSampleId :
VW0319SBS02

Tot Ion	Ratio	Lower	Upper
91	100		
92	53.0	26.4	79.0
134	25.3	12.9	38.6

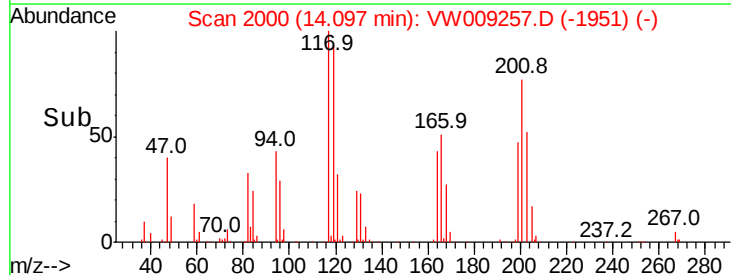
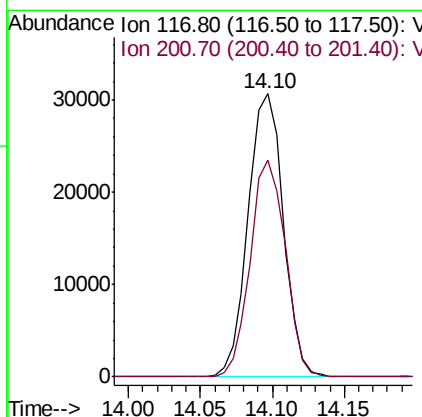
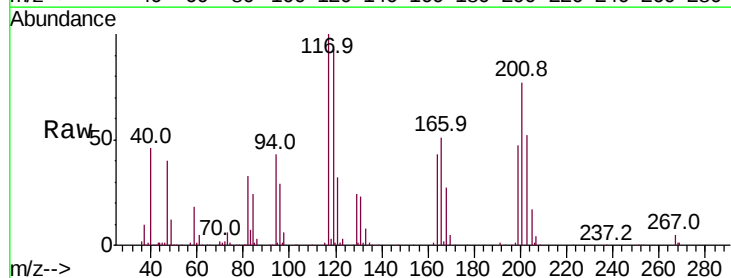
Manual Integrations
APPROVED

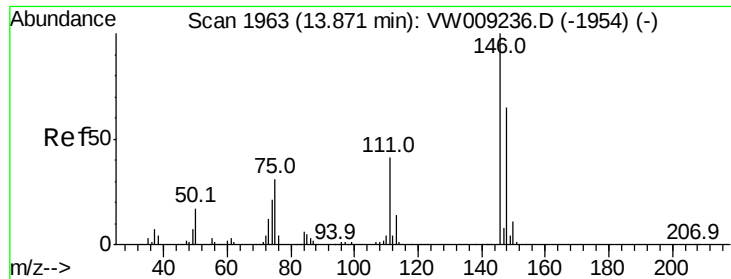
MMDadoda
3/22/2019 3:53:14 AM



#90
Hexachloroethane
Concen: 18.969 ug/l
RT: 14.10 min Scan# 2000
Delta R.T. 0.00 min
Lab File: VW009257.D
Acq: 20 Mar 2019 00:37

Tgt Ion	Ratio	Lower	Upper
117	100		
201	76.5	38.2	114.6





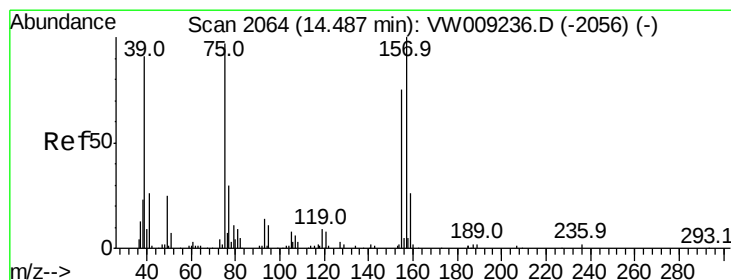
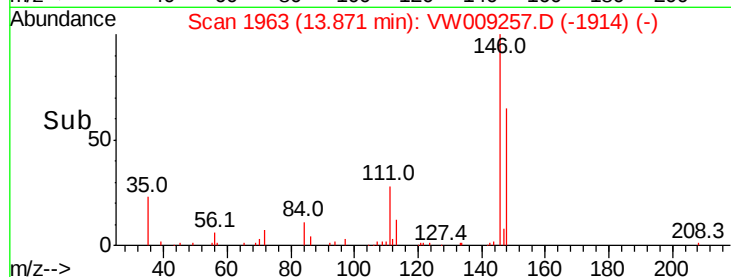
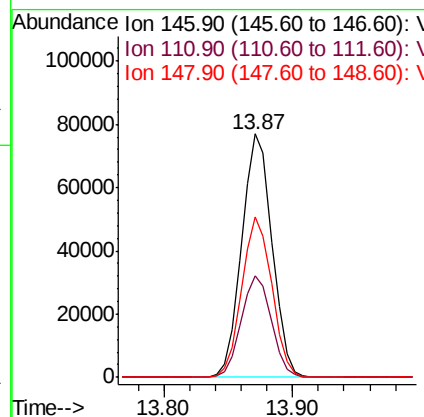
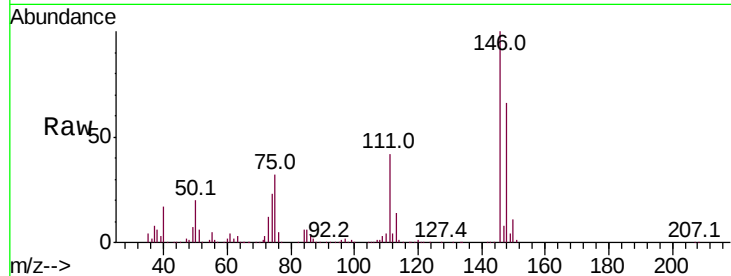
#91
 1,2-Dichlorobenzene
 Concen: 19.685 ug/l
 RT: 13.87 min Scan# 1963
 Delta R.T. 0.00 min
 Lab File: VW009257.D
 Acq: 20 Mar 2019 00:37

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0319SBS02

Tot Ion	Ratio	Lower	Upper
146	100		
111	41.5	20.4	61.2
148	65.3	31.9	95.9

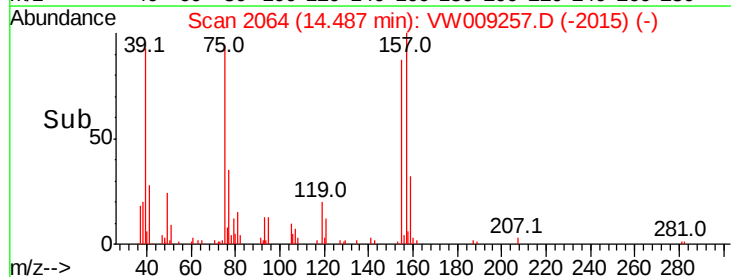
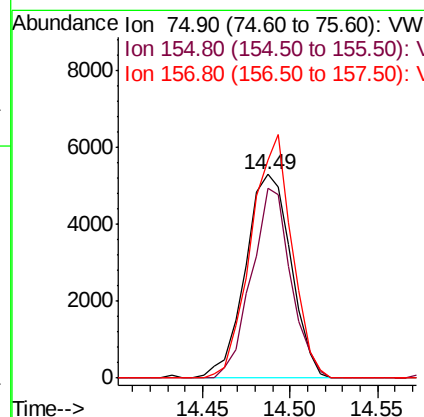
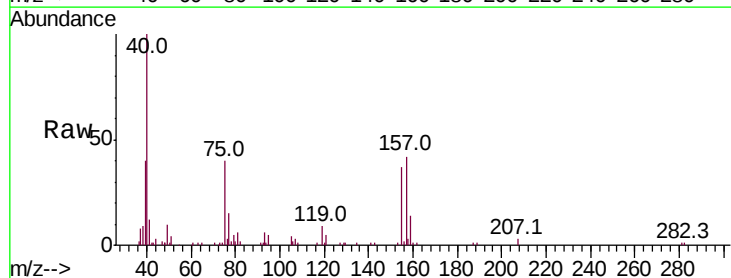
Manual Integrations
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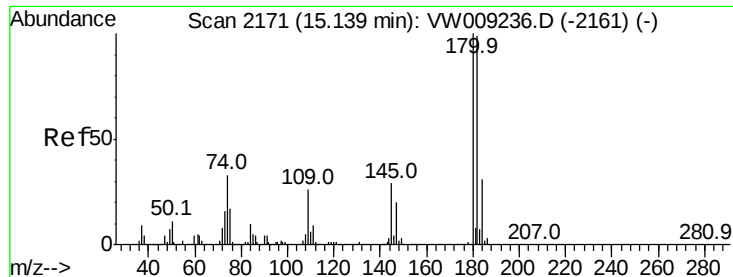
MMDadoda
 3/22/2019 3:53:14 AM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 19.876 ug/l
 RT: 14.49 min Scan# 2064
 Delta R.T. 0.00 min
 Lab File: VW009257.D
 Acq: 20 Mar 2019 00:37

Tgt Ion	Ratio	Lower	Upper
75	100		
155	80.9	39.3	117.8
157	107.2	49.5	148.5





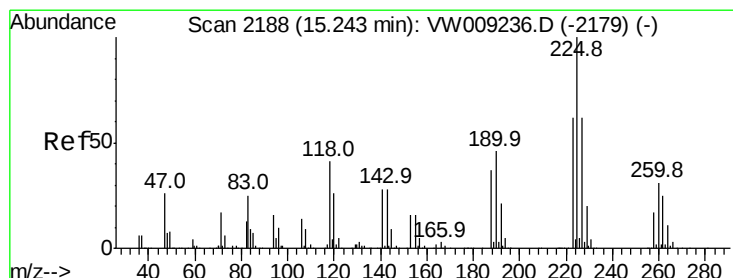
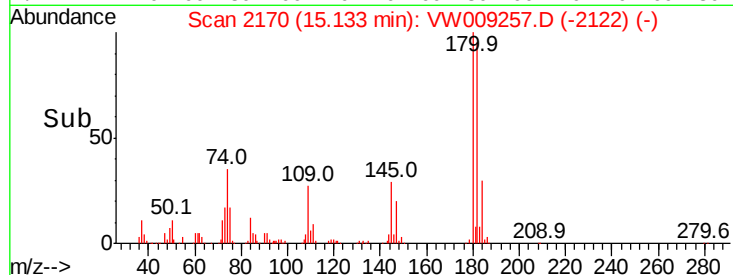
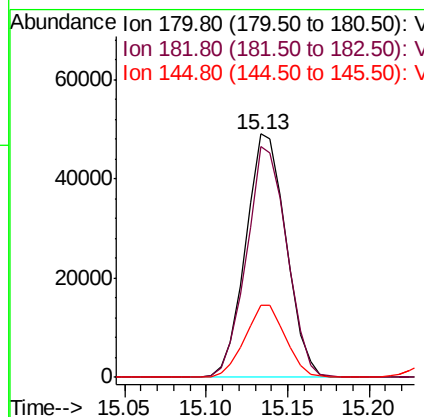
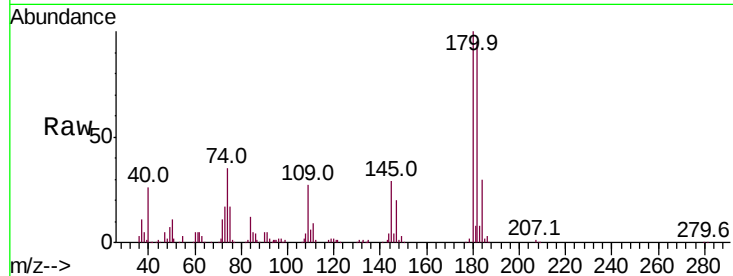
#93
1,2,4-Trichlorobenzene
Concen: 19.753 ug/l
RT: 15.13 min Scan# 2170
Delta R.T. -0.01 min
Lab File: VW009257.D
Acq: 20 Mar 2019 00:37

Instrument :
MSVOA_W
ClientSampleId :
VW0319SBS02

Tot Ion	Ratio	Resp	Lower	Upper
180	100			
182	94.6	47.9	143.7	
145	30.0	15.0	45.0	

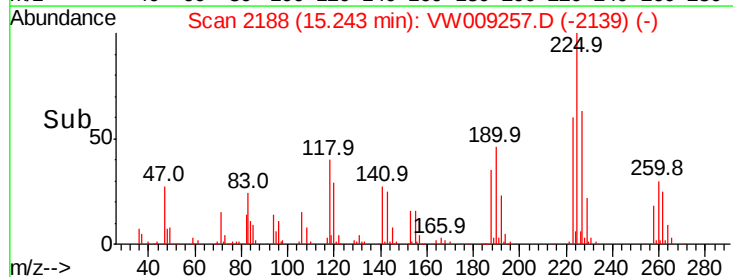
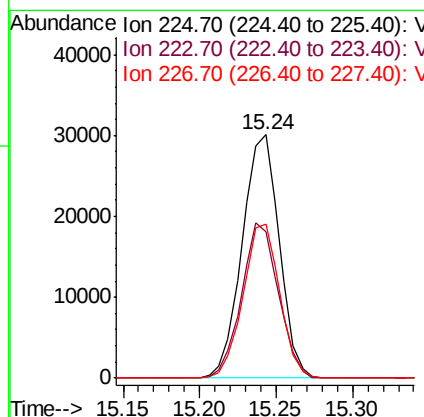
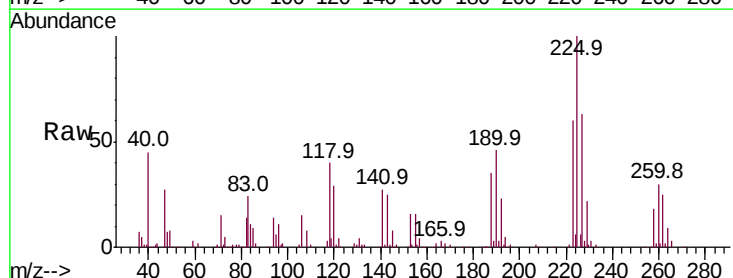
Manual Integrations
APPROVED

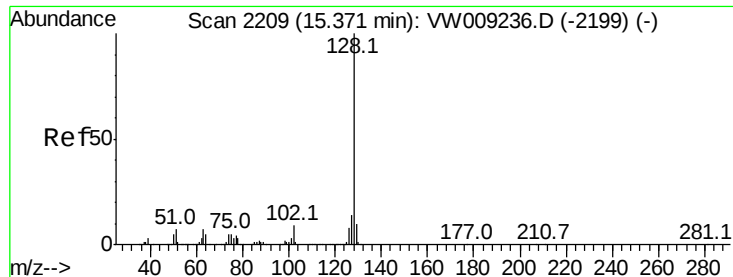
MMDadoda
3/22/2019 3:53:14 AM



#94
Hexachlorobutadiene
Concen: 18.648 ug/l
RT: 15.24 min Scan# 2188
Delta R.T. 0.00 min
Lab File: VW009257.D
Acq: 20 Mar 2019 00:37

Tgt Ion	Ratio	Resp	Lower	Upper
225	100			
223	63.2	31.4	94.3	
227	62.6	32.1	96.5	





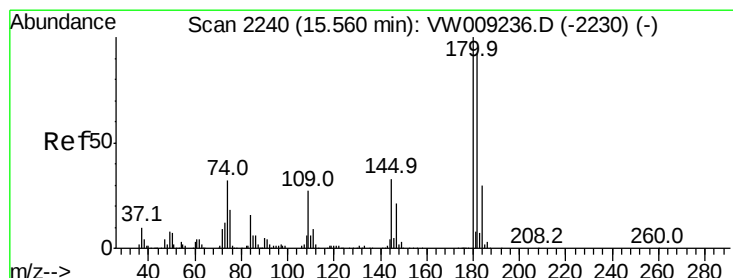
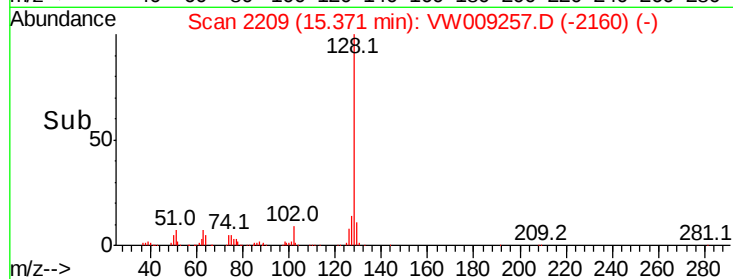
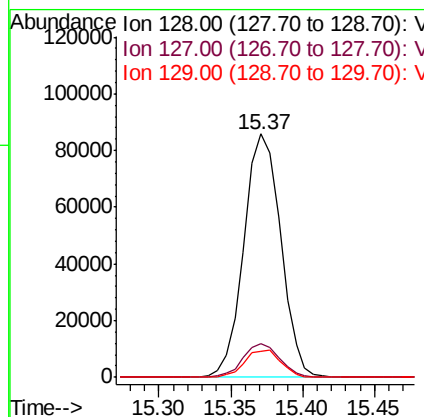
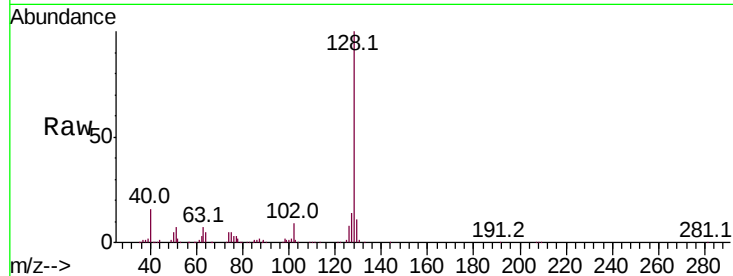
#95
Naphthalene
Concen: 20.606 ug/l
RT: 15.37 min Scan# 2209
Delta R.T. 0.00 min
Lab File: VW009257.D
Acq: 20 Mar 2019 00:37

Instrument :
MSVOA_W
ClientSampleId :
VW0319SBS02

Tot Ion:	128	Resp:	152630
Ion Ratio	Lower	Upper	
128	100		
127	13.8	10.8	16.2
129	11.1	8.7	13.1

Manual Integrations
APPROVED

MMDadoda
3/22/2019 3:53:14 AM



#96
1,2,3-Trichlorobenzene
Concen: 19.942 ug/l
RT: 15.56 min Scan# 2240
Delta R.T. 0.00 min
Lab File: VW009257.D
Acq: 20 Mar 2019 00:37

Tgt Ion:	180	Resp:	76103
Ion Ratio	Lower	Upper	
180	100		
182	95.2	47.3	141.9
145	31.9	16.0	48.0

