

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW090519\
 Data File : VW012639.D
 Acq On : 05 Sep 2019 14:36
 Operator : SY/VA
 Sample : VW0905SBSD03
 Misc : 5.00G/5ML/MSVOA W/SOIL
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0905SBSD03

Manual Integrations
 APPROVED

MMDadoda
 9/6/2019 12:29:31 PM

Quant Time: Sep 05 17:02:55 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W082319S.M
 Quant Title : SW846 8260
 QLast Update : Mon Aug 26 07:18:31 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	233028	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	381837	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	334783	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	164680	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	133908	48.34	ug/l	0.00
Spiked Amount			Recovery	=	96.68%	
35) Dibromofluoromethane	7.88	113	107072	46.98	ug/l	0.00
Spiked Amount			Recovery	=	93.96%	
50) Toluene-d8	10.32	98	455500	49.29	ug/l	0.00
Spiked Amount			Recovery	=	98.58%	
62) 4-Bromofluorobenzene	12.62	95	165163	50.70	ug/l	0.00
Spiked Amount			Recovery	=	101.40%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	2.01	85	40095	27.944	ug/l	99
3) Chloromethane	2.21	50	47299	21.277	ug/l	98
4) Vinyl Chloride	2.36	62	55622	20.443	ug/l	96
5) Bromomethane	2.77	94	27326	19.831	ug/l	100
6) Chloroethane	2.91	64	29254	19.060	ug/l	99
7) Trichlorofluoromethane	3.25	101	31512	23.065	ug/l	94
8) Diethyl Ether	3.68	74	26082	20.113	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	4.06	101	49897	21.486	ug/l	97
10) Methyl Iodide	4.26	142	63586	20.237	ug/l	99
11) Tert butyl alcohol	5.20	59	18711	112.240	ug/l	95
12) 1,1-Dichloroethene	4.03	96	46053	19.703	ug/l	99
13) Acrolein	3.90	56	9946	63.381	ug/l	96
14) Allyl chloride	4.67	41	95512	19.114	ug/l	96
15) Acrylonitrile	5.37	53	70233	109.266	ug/l	100
16) Acetone	4.13	43	68876	97.268	ug/l	98
17) Carbon Disulfide	4.38	76	106966	15.142	ug/l	98
18) Methyl Acetate	4.67	43	37497	21.380	ug/l	99
19) Methyl tert-butyl Ether	5.42	73	90055	23.825	ug/l	97
20) Methylene Chloride	4.91	84	56947	21.273	ug/l	97
21) trans-1,2-Dichloroethene	5.42	96	50598	20.187	ug/l	98
22) Diisopropyl ether	6.31	45	203146	21.932	ug/l	98
23) Vinyl Acetate	6.25	43	616475	108.150	ug/l	99
24) 1,1-Dichloroethane	6.21	63	109489	21.710	ug/l	99
25) 2-Butanone	7.18	43	103591	107.657	ug/l	98
26) 2,2-Dichloropropane	7.16	77	68198	23.891	ug/l	99
27) cis-1,2-Dichloroethene	7.17	96	59064	22.056	ug/l	99
28) Bromochloromethane	7.51	49	43717	19.889	ug/l	94
29) Tetrahydrofuran	7.53	42	65938	114.218	ug/l	98
30) Chloroform	7.67	83	110654	23.982	ug/l	94
31) Cyclohexane	7.95	56	100910	20.224	ug/l	97
32) 1,1,1-Trichloroethane	7.87	97	87104	23.864	ug/l	99
36) 1,1-Dichloropropene	8.08	75	83934	21.271	ug/l	99
37) Ethyl Acetate	7.25	43	47231	21.843	ug/l	98
38) Carbon Tetrachloride	8.07	117	78964	23.121	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.34	83	99336	22.409	ug/l	99
40) Benzene	8.32	78	229332	21.285	ug/l	100
41) Methacrylonitrile	7.48	41	29748	23.408	ug/l	98
42) 1,2-Dichloroethane	8.40	62	76750	22.729	ug/l	99
43) Isopropyl Acetate	8.42	43	91706	22.897	ug/l	99
44) Trichloroethene	9.09	130	62161	23.733	ug/l	95
45) 1,2-Dichloropropane	9.37	63	67704	23.348	ug/l	99
46) Dibromomethane	9.46	93	30776	23.854	ug/l	98
47) Bromodichloromethane	9.65	83	82632	24.065	ug/l	97
48) Methyl methacrylate	9.43	41	44704	23.451	ug/l	96
49) 1,4-Dioxane	9.48	88	9545	483.266	ug/l #	73
51) 4-Methyl-2-Pentanone	10.21	43	250016	122.727	ug/l	100
52) Toluene	10.38	92	152485	23.558	ug/l	99
53) t-1,3-Dichloropropene	10.60	75	84914	24.278	ug/l	97
54) cis-1,3-Dichloropropene	10.07	75	97981	23.201	ug/l	98
55) 1,1,2-Trichloroethane	10.79	97	44552	24.406	ug/l	96
56) Ethyl methacrylate	10.65	69	64457	24.262	ug/l	99
57) 1,3-Dichloropropane	10.93	76	82559	23.933	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.92	63	155118	113.765	ug/l	100
59) 2-Hexanone	10.97	43	175812	121.971	ug/l	99
60) Dibromochloromethane	11.13	129	51345	25.253	ug/l	99
61) 1,2-Dibromoethane	11.23	107	41841	24.604	ug/l	97
64) Tetrachloroethene	10.86	164	48805	22.486	ug/l	93
65) Chlorobenzene	11.66	112	155600	23.604	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.73	131	56736	24.671	ug/l	98
67) Ethyl Benzene	11.73	91	302706	23.838	ug/l	99
68) m/p-Xylenes	11.84	106	216558	47.343	ug/l	100
69) o-Xylene	12.16	106	102372	24.181	ug/l	100
70) Styrene	12.18	104	177649	24.243	ug/l	98
71) Bromoform	12.35	173	29441	25.695	ug/l #	100
73) Isopropylbenzene	12.46	105	292865	23.734	ug/l	99
74) N-amyl acetate	12.27	43	87155	23.377	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.71	83	53040	23.446	ug/l	98
76) 1,2,3-Trichloropropane	12.77	75	45724m	28.509	ug/l	
77) Bromobenzene	12.75	156	63806	23.901	ug/l	96
78) n-propylbenzene	12.80	91	352584	23.405	ug/l	98
79) 2-Chlorotoluene	12.89	91	200574	23.452	ug/l	99
80) 1,3,5-Trimethylbenzene	12.94	105	246169	23.874	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.51	75	16870	23.062	ug/l	96
82) 4-Chlorotoluene	12.99	91	211158	23.579	ug/l	100
83) tert-Butylbenzene	13.21	119	216439	24.780	ug/l	97
84) 1,2,4-Trimethylbenzene	13.25	105	245633	23.715	ug/l	100
85) sec-Butylbenzene	13.38	105	297609	23.783	ug/l	100
86) p-Isopropyltoluene	13.50	119	271959	24.336	ug/l	99
87) 1,3-Dichlorobenzene	13.50	146	126011	24.133	ug/l	99
88) 1,4-Dichlorobenzene	13.58	146	125583	24.222	ug/l	98
89) n-Butylbenzene	13.82	91	264931	23.840	ug/l	99
90) Hexachloroethane	14.09	117	45398	23.154	ug/l	93
91) 1,2-Dichlorobenzene	13.87	146	112517	24.563	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.49	75	9097	23.853	ug/l	95

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Quant Title : SW846 8260
QLast Update : Mon Aug 26 07:18:31 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.13	180	81838	25.853	ug/l	100
94) Hexachlorobutadiene	15.24	225	53234	25.468	ug/l	99
95) Naphthalene	15.36	128	146308	25.839	ug/l	100
96) 1,2,3-Trichlorobenzene	15.55	180	71335	25.829	ug/l	97

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

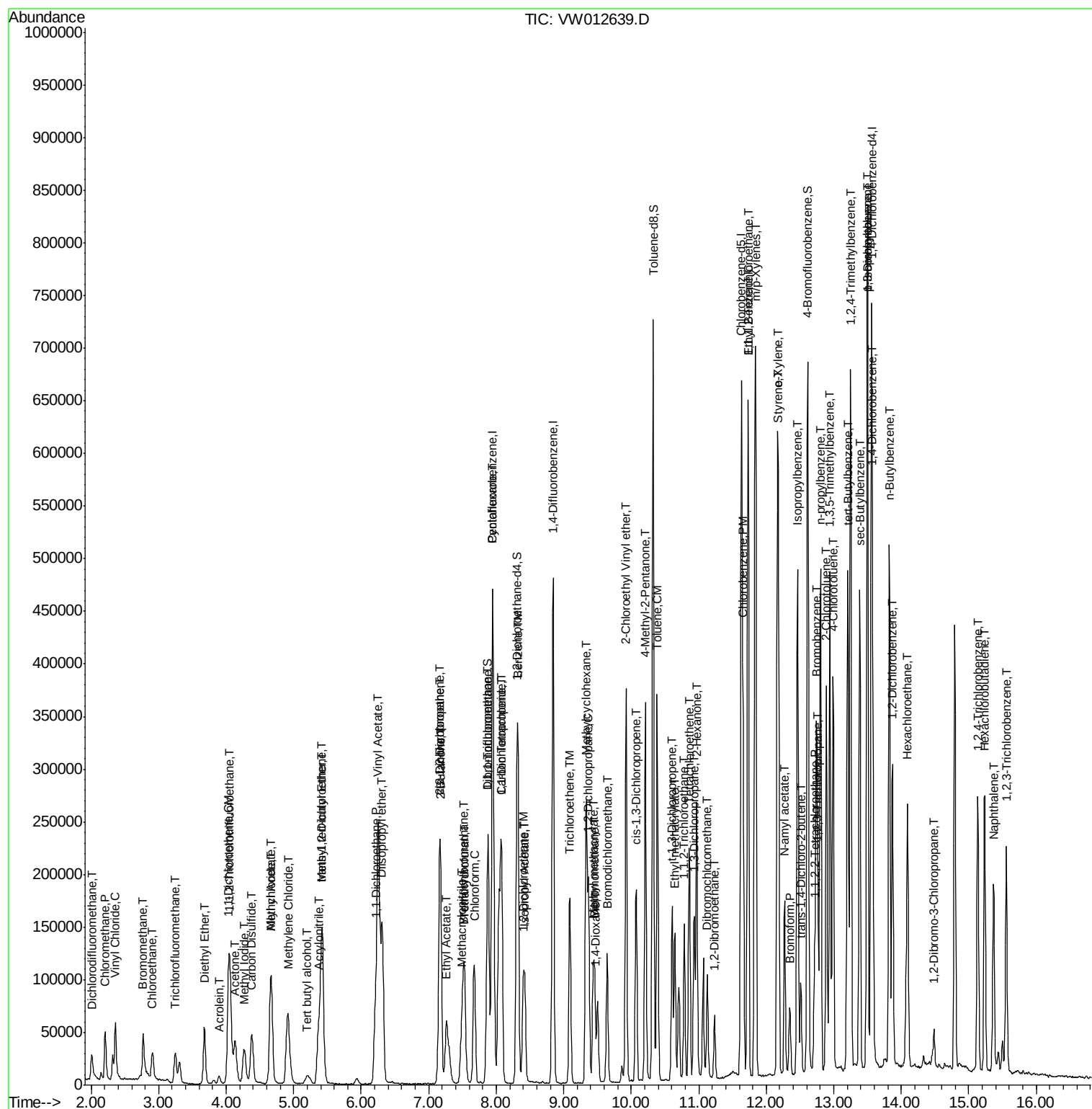
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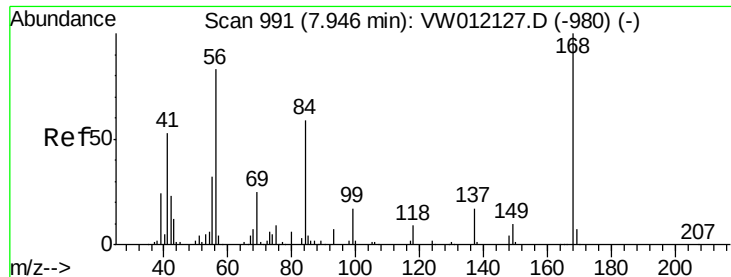
Instrument :
 MSVOA_W
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.00 min

Lab File: VW012639.D

Acq: 05 Sep 2019 14:36

Instrument :

MSVOA_W

ClientSampleId :

VW0905SBSD03

Tot Ion:168 Resp: 233028

Ion Ratio Lower Upper

168 100

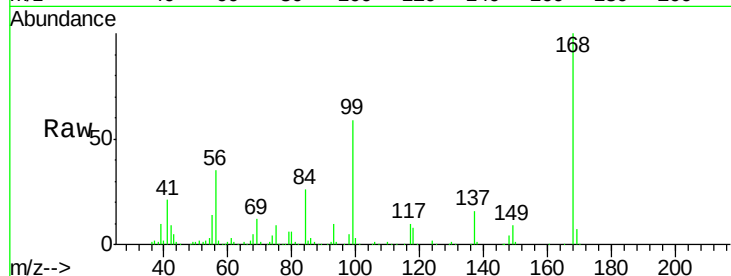
99 58.6 49.2 73.8

Manual Integrations

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9/6/2019 12:29:31 PM



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW

7.95

120000

100000

80000

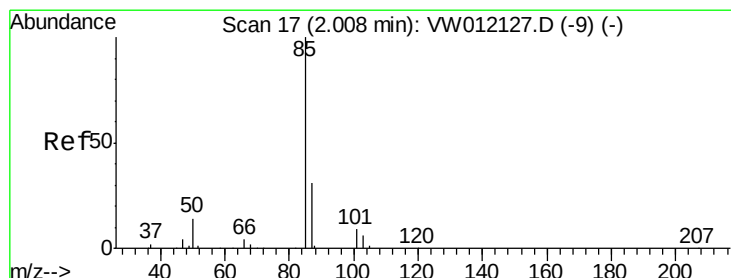
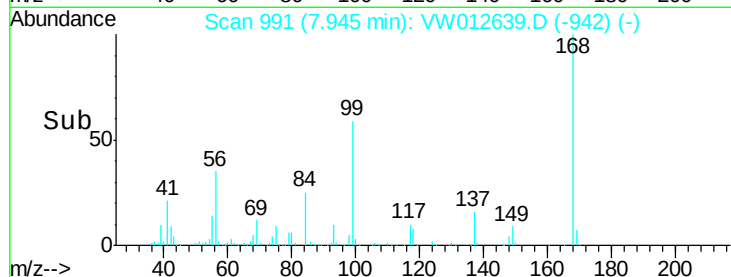
60000

40000

20000

0

Time--> 7.80 7.90 8.00



#2

Dichlorodifluoromethane

Concen: 27.944 ug/l

RT: 2.01 min Scan# 17

Delta R.T. -0.00 min

Lab File: VW012639.D

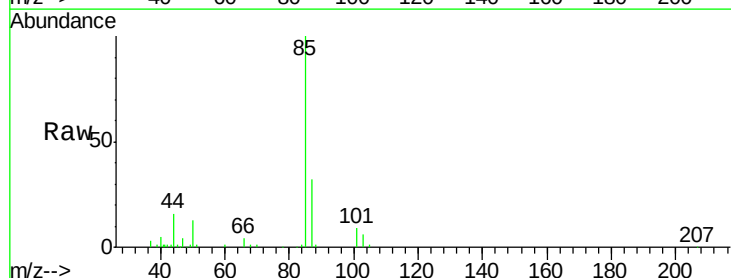
Acq: 05 Sep 2019 14:36

Tgt Ion: 85 Resp: 40095

Ion Ratio Lower Upper

85 100

87 31.5 15.6 46.8



Abundance Ion 84.90 (84.60 to 85.60): VW

Ion 86.90 (86.60 to 87.60): VW

2.01

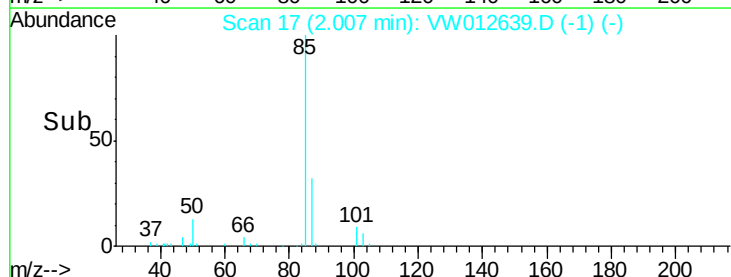
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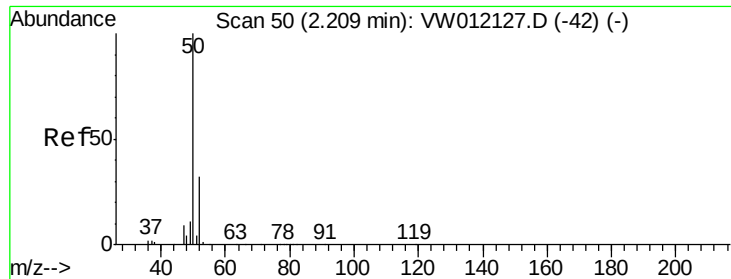
10000

5000

0

Time--> 1.90 2.00 2.10 2.20





#3

Chloromethane

Concen: 21.277 ug/l

RT: 2.21 min Scan# 50

Delta R.T. -0.00 min

Lab File: VW012639.D

Acq: 05 Sep 2019 14:36

Instrument :

MSVOA_W

ClientSampleId :

VW0905SBS03

Tot Ion: 50 Resp: 47299

Ion Ratio Lower Upper

50 100

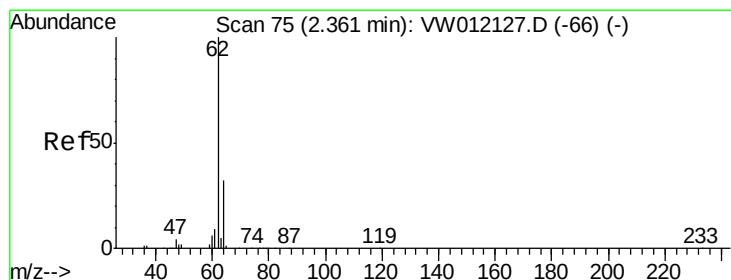
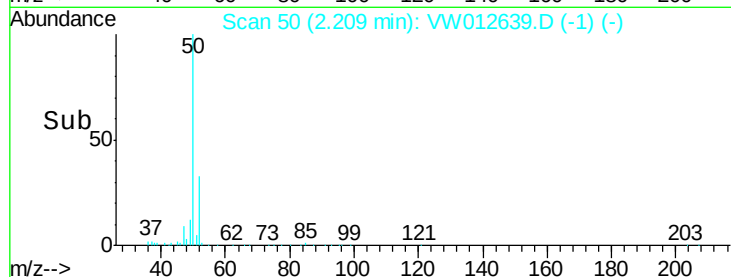
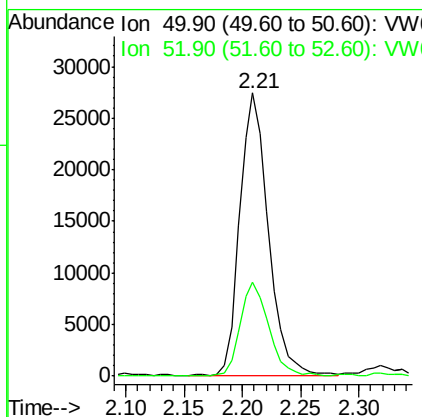
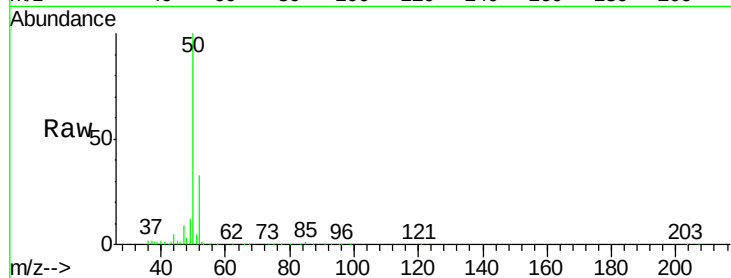
52 33.0 25.5 38.3

Manual Integrations

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#4

Vinyl Chloride

Concen: 20.443 ug/l

RT: 2.36 min Scan# 75

Delta R.T. -0.00 min

Lab File: VW012639.D

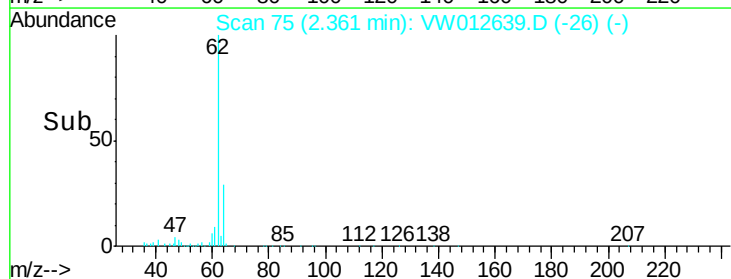
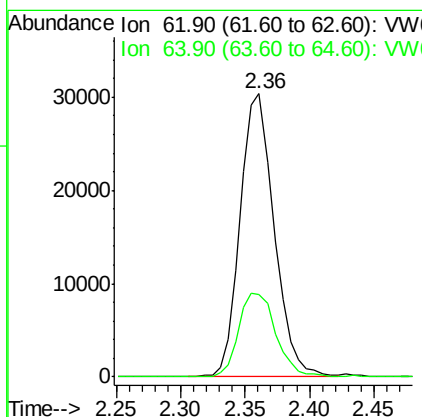
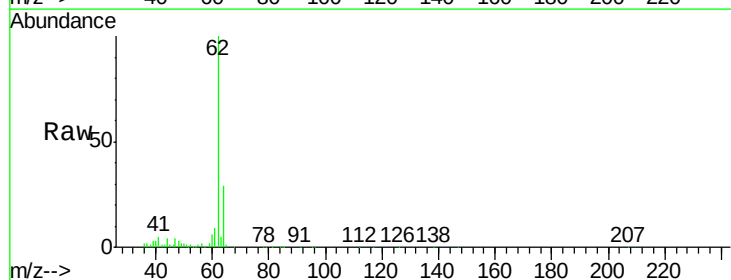
Acq: 05 Sep 2019 14:36

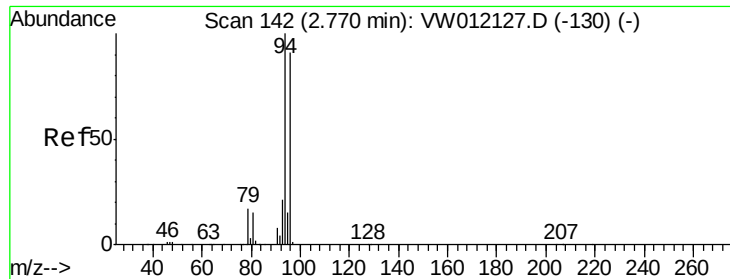
Tgt Ion: 62 Resp: 55622

Ion Ratio Lower Upper

62 100

64 29.1 25.3 37.9





#5

Bromomethane

Concen: 19.831 ug/l

RT: 2.77 min Scan# 142

Delta R.T. -0.00 min

Lab File: VW012639.D

Acq: 05 Sep 2019 14:36

Instrument :

MSVOA_W

ClientSampleId :

VW0905SBSD03

Tot Ion: 94 Resp: 27326

Ion Ratio Lower Upper

94 100

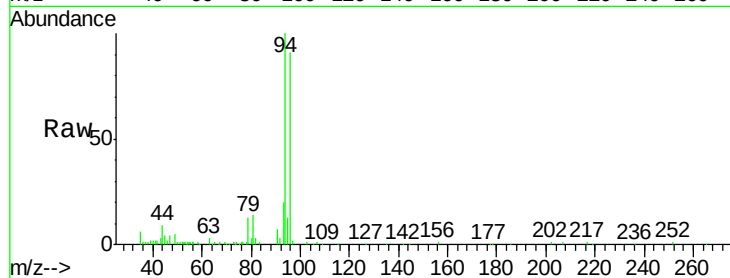
96 91.2 72.9 109.3

Manual Integrations

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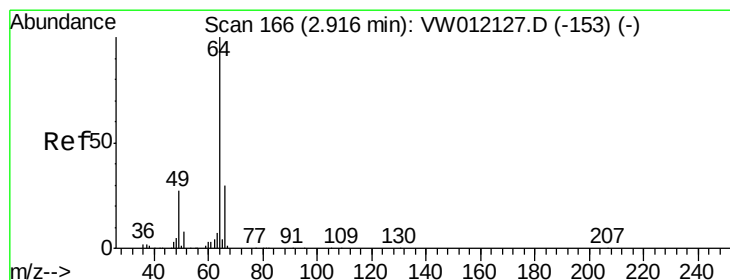
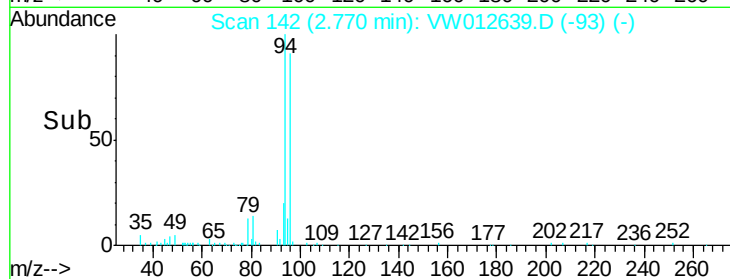
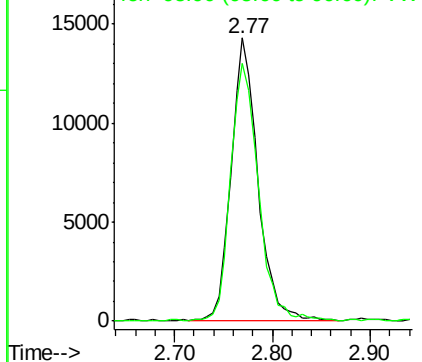
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Abundance Ion 93.90 (93.60 to 94.60): VW

Ion 95.90 (95.60 to 96.60): VW



#6

Chloroethane

Concen: 19.060 ug/l

RT: 2.91 min Scan# 166

Delta R.T. -0.01 min

Lab File: VW012639.D

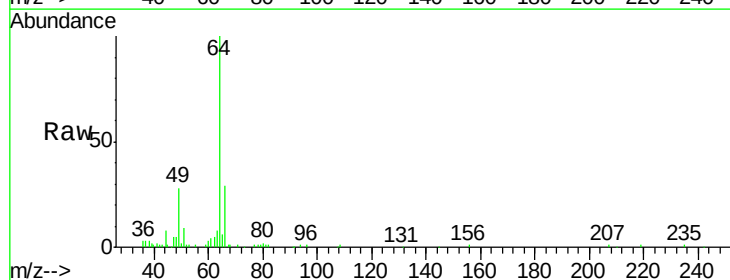
Acq: 05 Sep 2019 14:36

Tgt Ion: 64 Resp: 29254

Ion Ratio Lower Upper

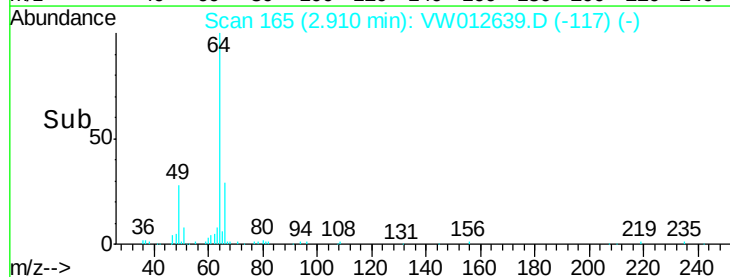
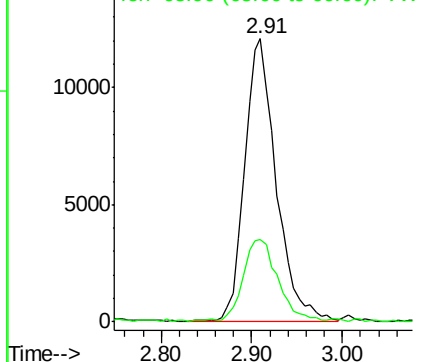
64 100

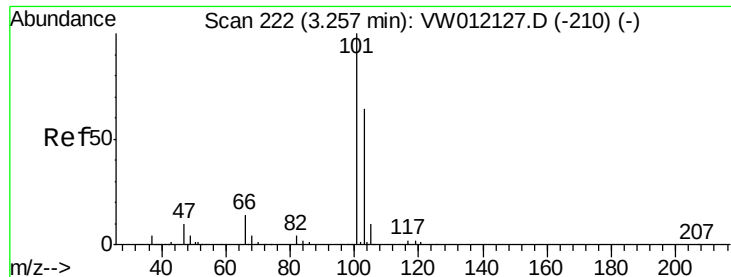
66 29.0 23.8 35.8



Abundance Ion 63.90 (63.60 to 64.60): VW

Ion 65.90 (65.60 to 66.60): VW





#7

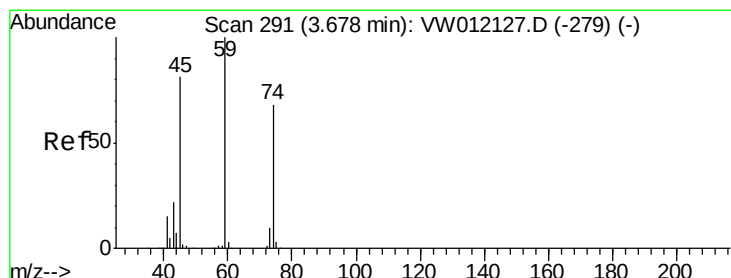
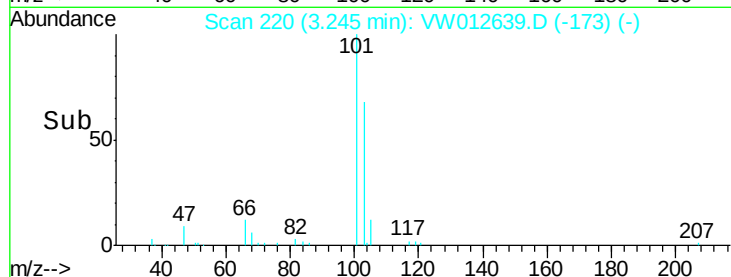
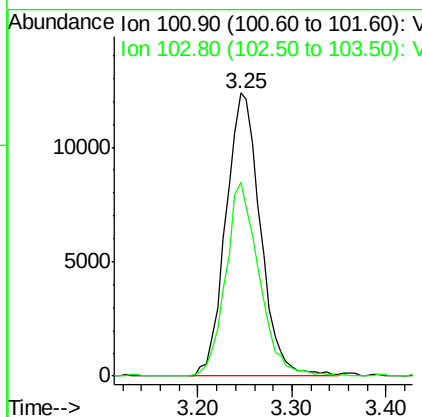
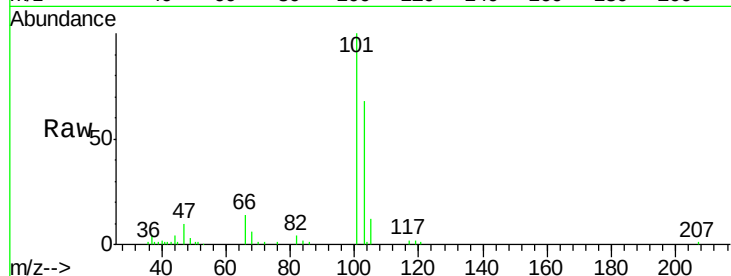
Trichlorofluoromethane
 Concen: 23.065 ug/l
 RT: 3.25 min Scan# 220
 Delta R.T. -0.01 min
 Lab File: VW012639.D
 Acq: 05 Sep 2019 14:36

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Tot Ion	Ratio	Resp	Lower	Upper
101	100	31512		
103	68.5	51.2	76.8	

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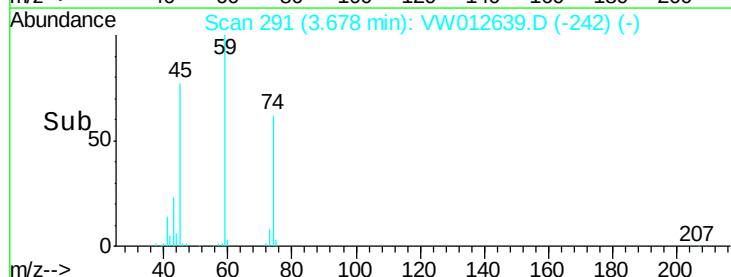
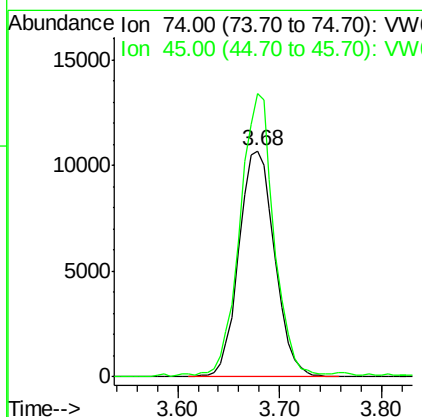
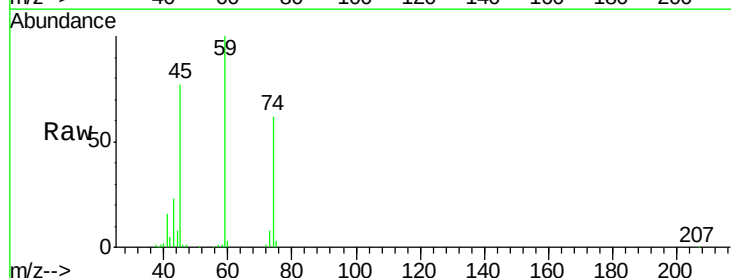
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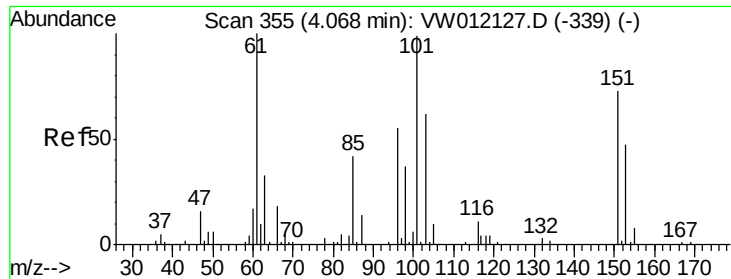


#8

Diethyl Ether
 Concen: 20.113 ug/l
 RT: 3.68 min Scan# 291
 Delta R.T. -0.00 min
 Lab File: VW012639.D
 Acq: 05 Sep 2019 14:36

Tgt Ion	Ratio	Resp	Lower	Upper
74	100	26082		
45	120.4	59.2	177.6	





#9

1,1,2-Trichlorotrifluoroethane

Concen: 21.486 ug/l

RT: 4.06 min Scan# 353

Delta R.T. -0.01 min

Lab File: VW012639.D

Acq: 05 Sep 2019 14:36

Instrument :

MSVOA_W

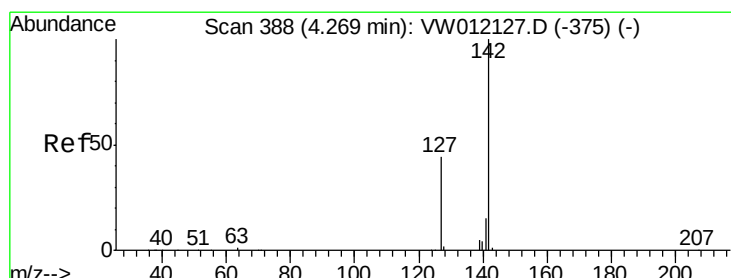
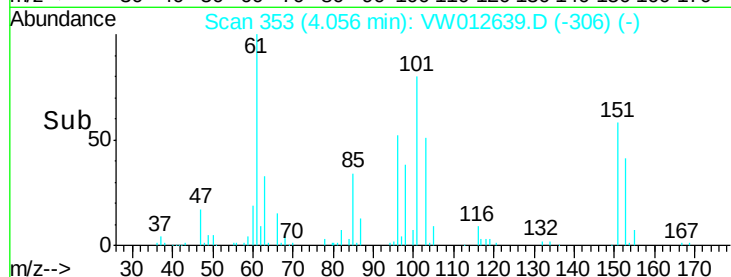
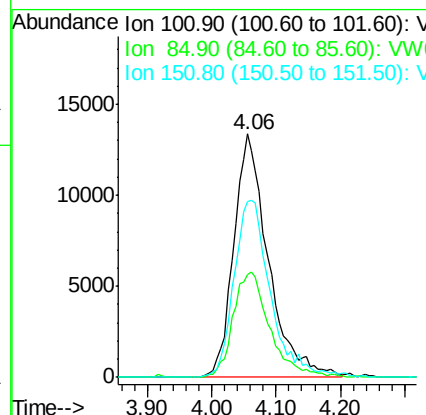
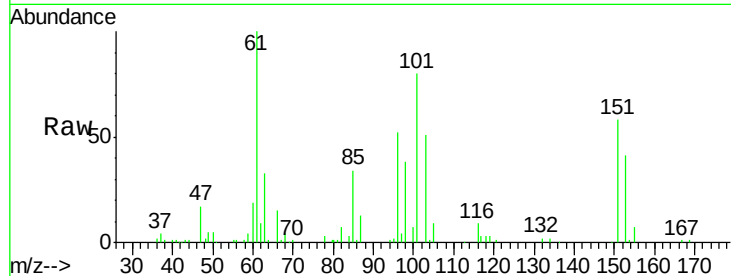
ClientSampled :

VW0905SBSD03

Tot Ion:	101	Resp:	49897
Ion Ratio	Lower	Upper	
101	100		
85	46.0	35.8	53.6
151	76.7	58.6	87.8

Manual Integrations
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#10

Methyl Iodide

Concen: 20.237 ug/l

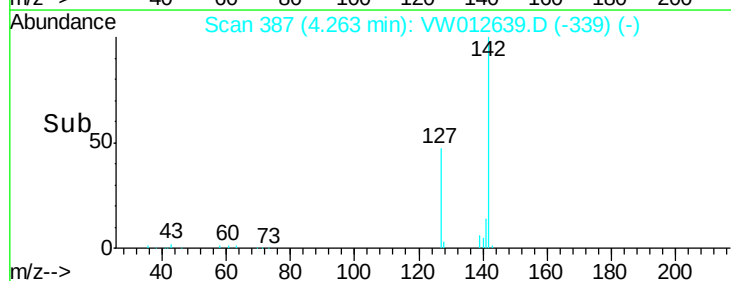
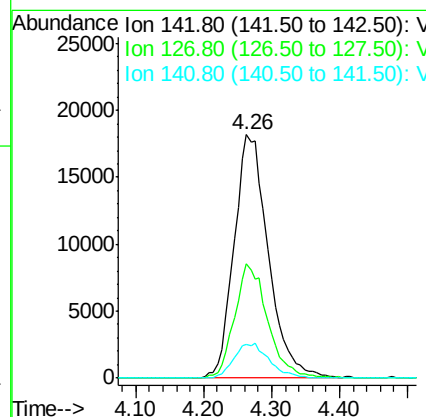
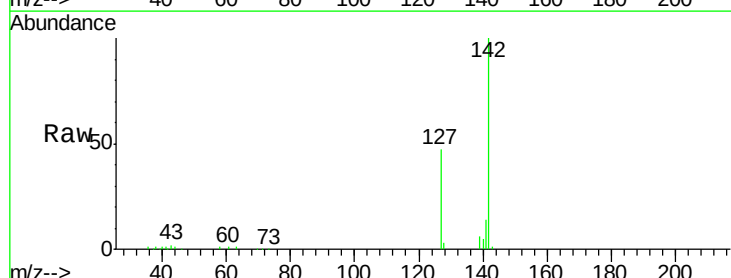
RT: 4.26 min Scan# 387

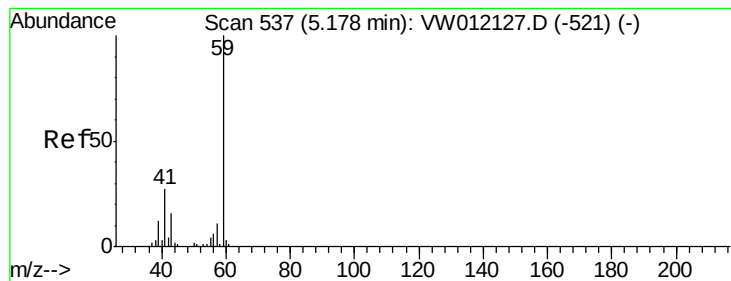
Delta R.T. -0.01 min

Lab File: VW012639.D

Acq: 05 Sep 2019 14:36

Tgt Ion:	142	Resp:	63586
Ion Ratio	Lower	Upper	
142	100		
127	45.2	35.5	53.3
141	14.6	11.8	17.8





#11

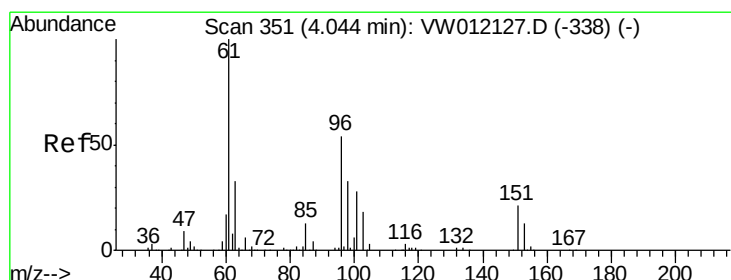
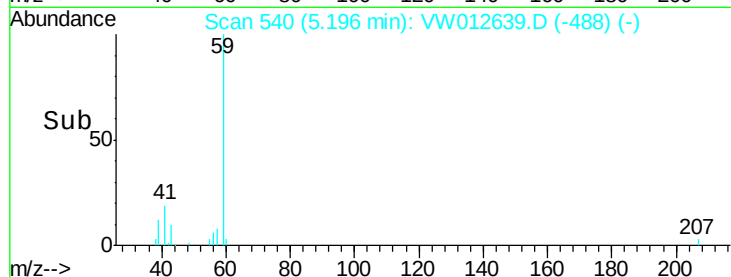
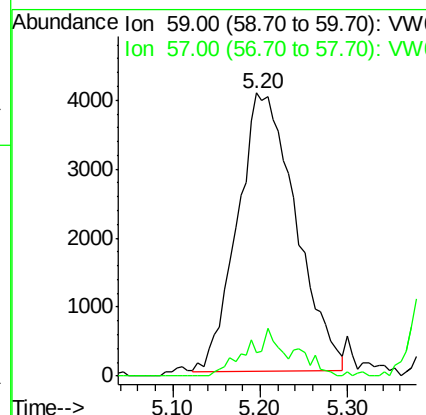
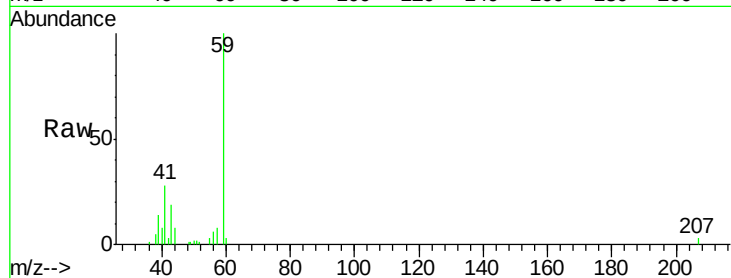
Tert butyl alcohol
Concen: 112.240 ug/l
RT: 5.20 min Scan# 540
Delta R.T. 0.02 min
Lab File: VW012639.D
Acq: 05 Sep 2019 14:36

Instrument :
MSVOA_W
ClientSampleId :
VW0905SBS03

Tot Ion	Ratio	Resp	Lower	Upper
59	100	18711		
57	9.4		9.0	13.4

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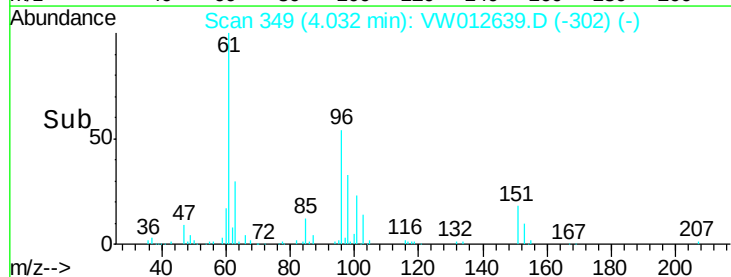
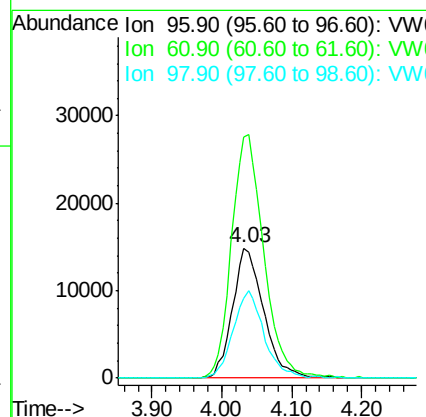
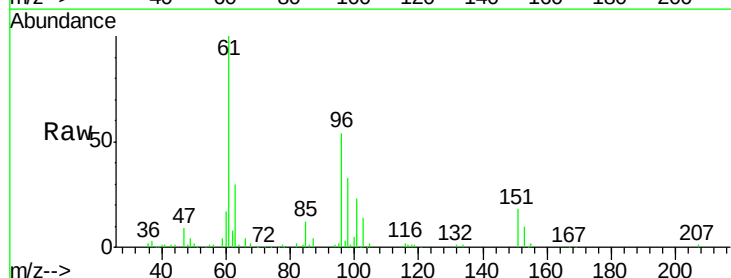
MMDadoda
9/6/2019 12:29:31 PM

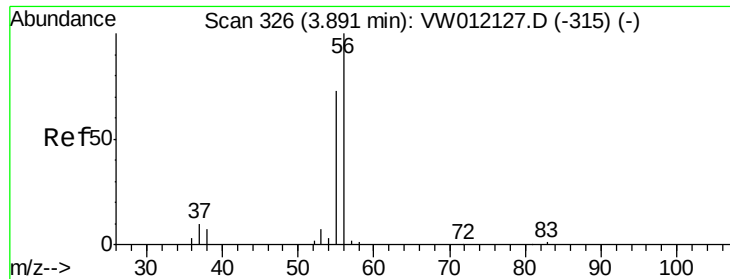


#12

1,1-Dichloroethene
Concen: 19.703 ug/l
RT: 4.03 min Scan# 349
Delta R.T. -0.01 min
Lab File: VW012639.D
Acq: 05 Sep 2019 14:36

Tgt Ion	Ratio	Resp	Lower	Upper
96	100	46053		
61	184.7		149.1	223.7
98	60.9		49.4	74.2





#13

Acrolein

Concen: 63.381 ug/l

RT: 3.90 min Scan# 327

Delta R.T. 0.01 min

Lab File: VW012639.D

Acq: 05 Sep 2019 14:36

Instrument :

MSVOA_W

ClientSampleId :

VW0905SBS03

Tot Ion: 56 Resp: 9946

Ion Ratio Lower Upper

56 100

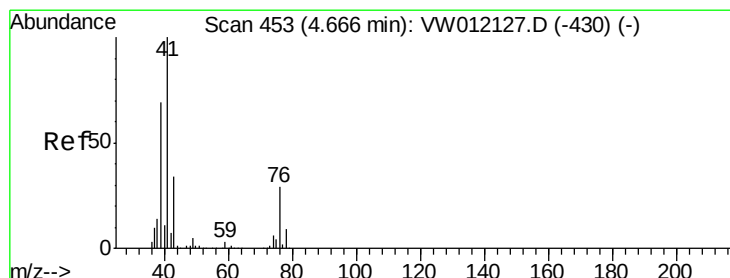
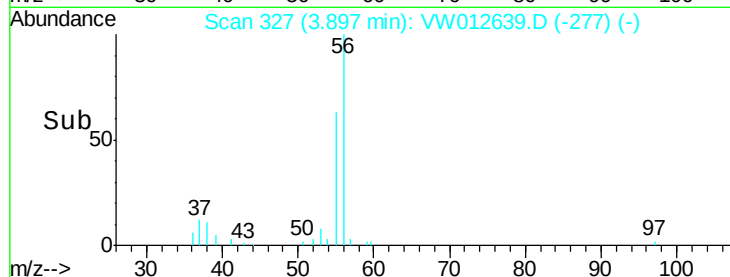
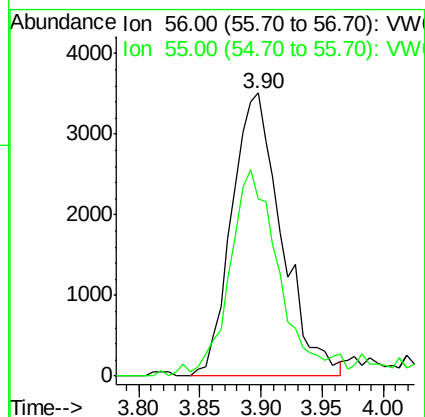
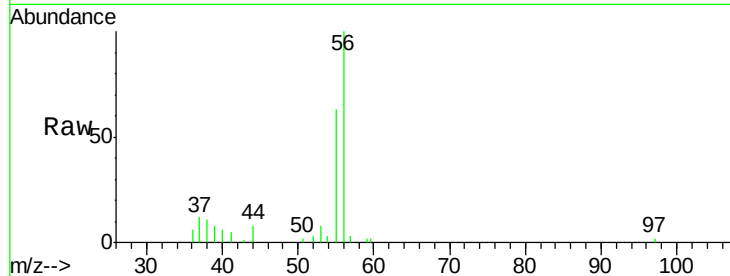
55 73.0 55.8 83.8

Manual Integrations

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#14

Allyl chloride

Concen: 19.114 ug/l

RT: 4.67 min Scan# 453

Delta R.T. -0.00 min

Lab File: VW012639.D

Acq: 05 Sep 2019 14:36

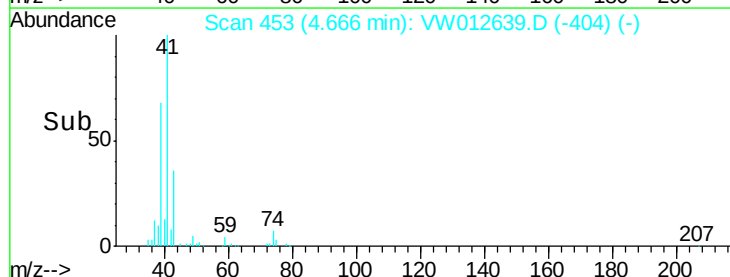
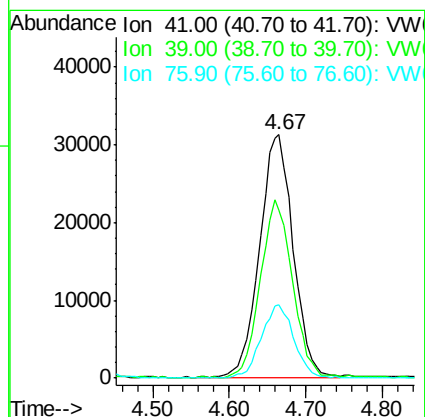
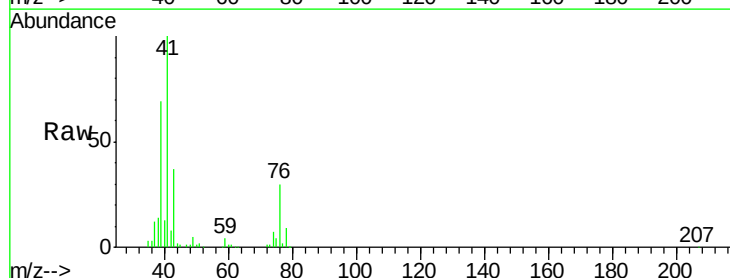
Tgt Ion: 41 Resp: 95512

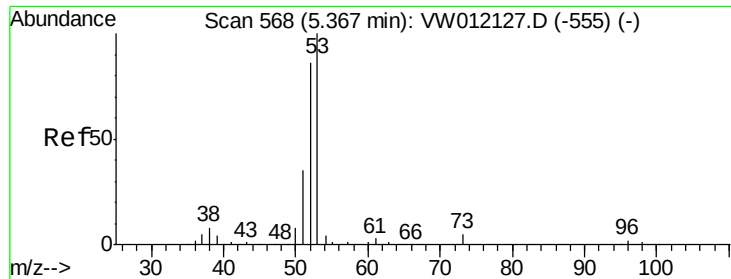
Ion Ratio Lower Upper

41 100

39 70.2 53.4 80.2

76 29.2 22.1 33.1





#15

Acrylonitrile

Concen: 109.266 ug/l

RT: 5.37 min Scan# 568

Delta R.T. -0.00 min

Lab File: VW012639.D

Acq: 05 Sep 2019 14:36

Instrument :

MSVOA_W

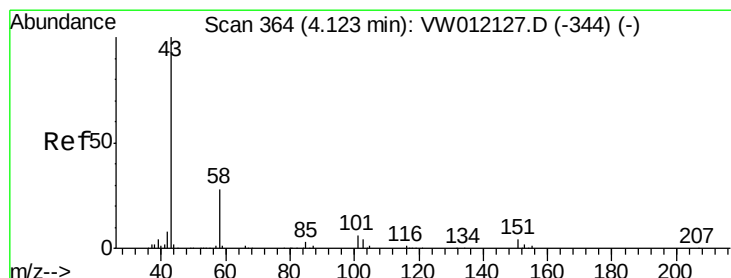
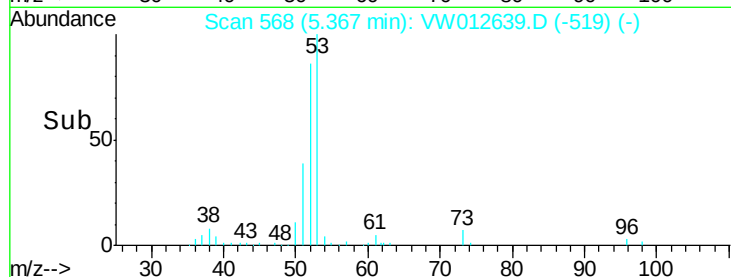
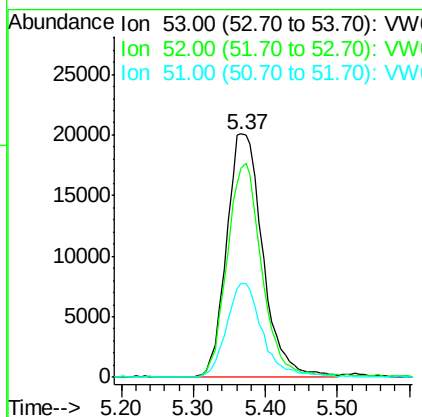
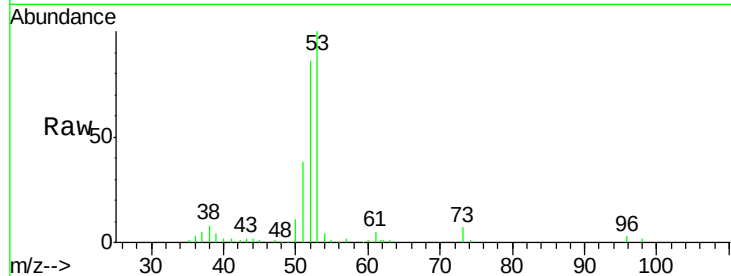
ClientSampleId :

VW0905SBS03

Tot Ion:	53	Resp:	70233
Ion	Ratio	Lower	Upper
53	100		
52	83.5	66.7	100.1
51	38.1	30.1	45.1

Manual Integrations
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#16

Acetone

Concen: 97.268 ug/l

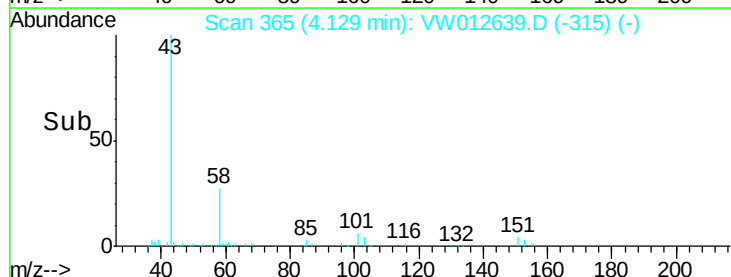
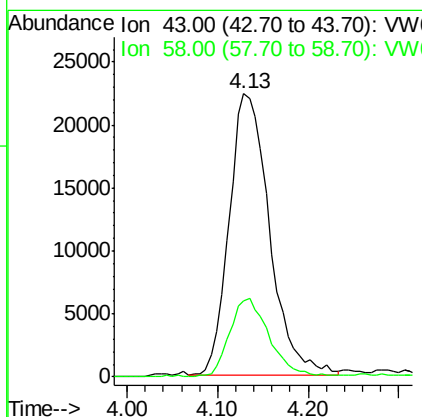
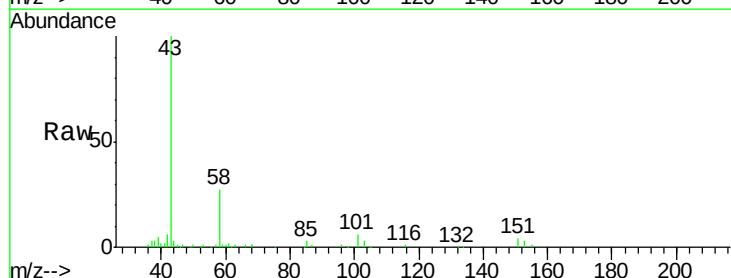
RT: 4.13 min Scan# 365

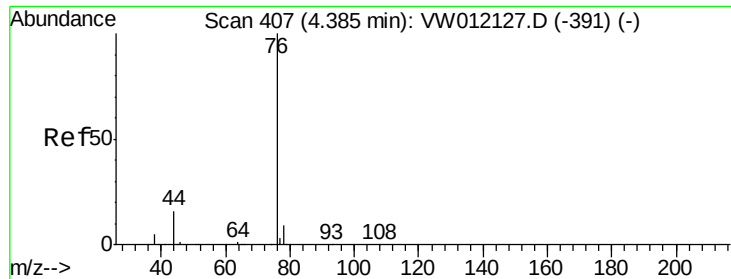
Delta R.T. 0.01 min

Lab File: VW012639.D

Acq: 05 Sep 2019 14:36

Tgt Ion:	43	Resp:	68876
Ion	Ratio	Lower	Upper
43	100		
58	26.9	22.4	33.6





#17

Carbon Disulfide

Concen: 15.142 ug/l

RT: 4.38 min Scan# 406

Delta R.T. -0.01 min

Lab File: VW012639.D

Acq: 05 Sep 2019 14:36

Instrument :

MSVOA_W

ClientSampleId :

VW0905SBSD03

Tot Ion: 76 Resp: 106966

Ion Ratio Lower Upper

76 100

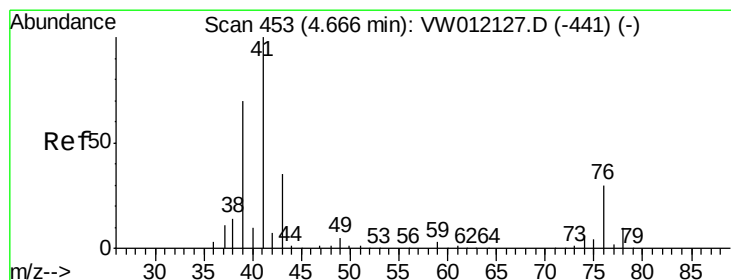
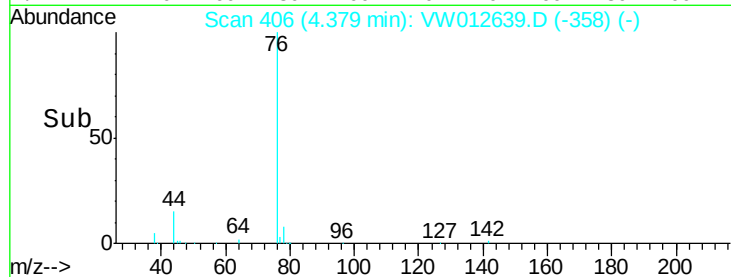
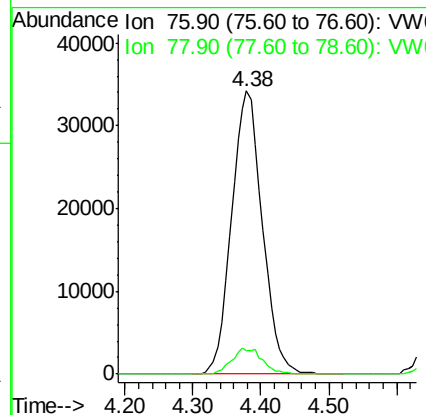
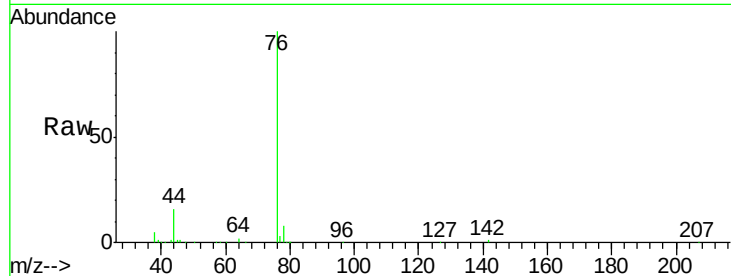
78 8.5 7.3 10.9

Manual Integrations

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#18

Methyl Acetate

Concen: 21.380 ug/l

RT: 4.67 min Scan# 454

Delta R.T. 0.01 min

Lab File: VW012639.D

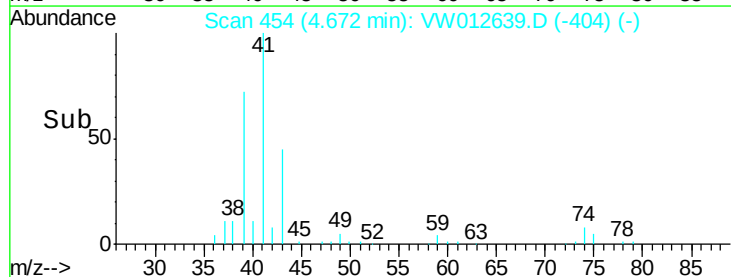
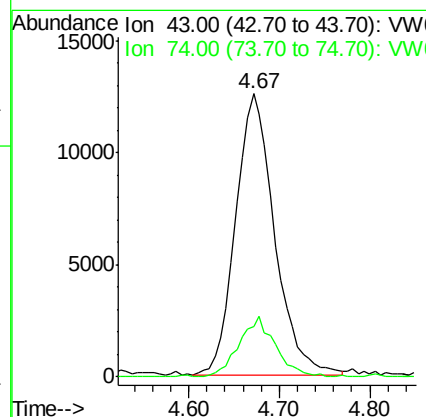
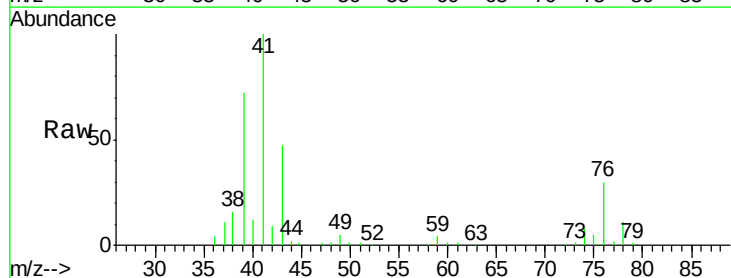
Acq: 05 Sep 2019 14:36

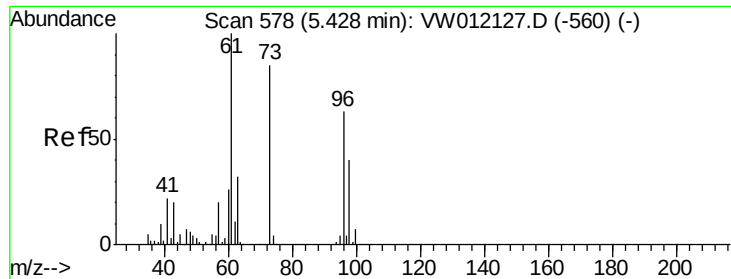
Tgt Ion: 43 Resp: 37497

Ion Ratio Lower Upper

43 100

74 19.9 15.7 23.5





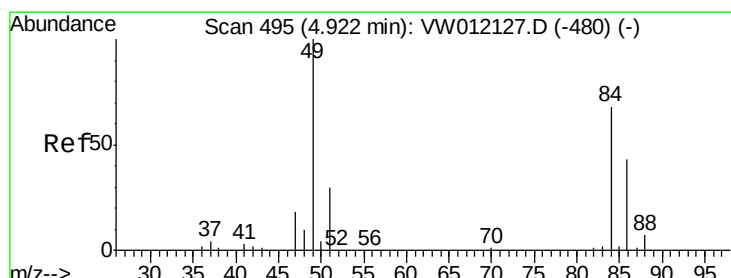
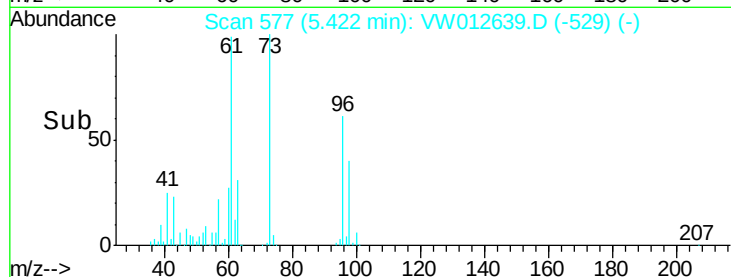
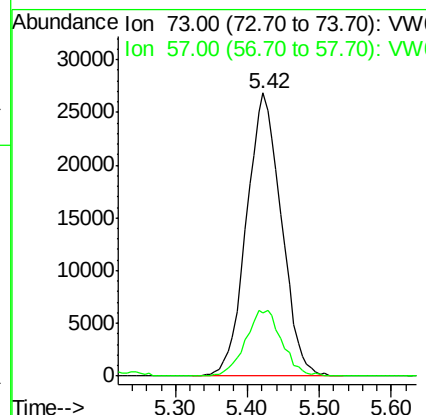
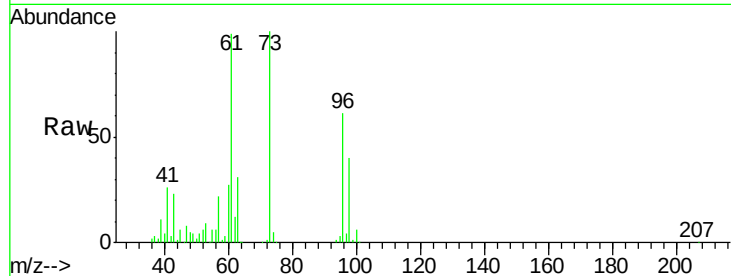
#19
Methyl tert-butyl Ether
Concen: 23.825 ug/l
RT: 5.42 min Scan# 577
Delta R.T. -0.01 min
Lab File: VW012639.D
Acq: 05 Sep 2019 14:36

Instrument :
MSVOA_W
ClientSampleId :
VW0905SBS03

Tot Ion: 73 Resp: 90055
Ion Ratio Lower Upper
73 100
57 22.3 18.9 28.3

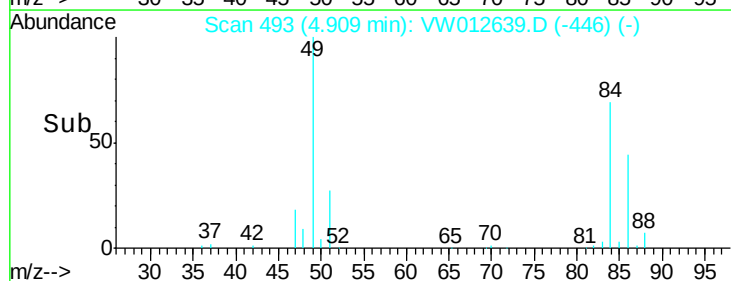
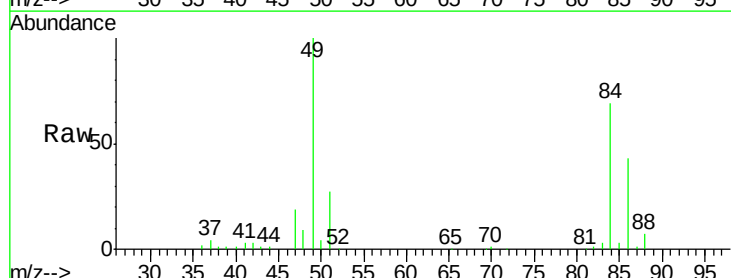
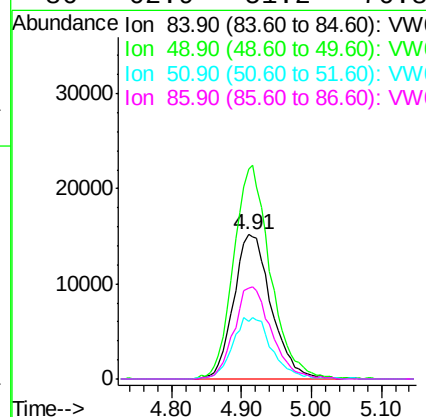
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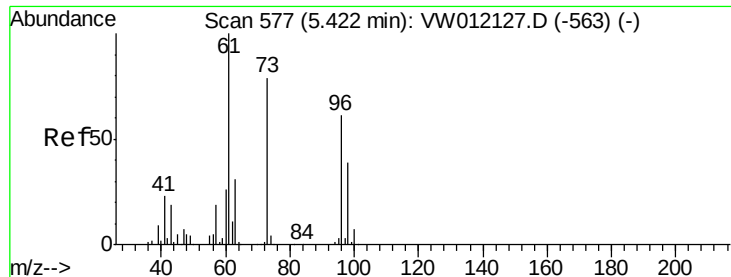
MMDadoda
9/6/2019 12:29:31 PM



#20
Methylene Chloride
Concen: 21.273 ug/l
RT: 4.91 min Scan# 493
Delta R.T. -0.01 min
Lab File: VW012639.D
Acq: 05 Sep 2019 14:36

Tgt Ion: 84 Resp: 56947
Ion Ratio Lower Upper
84 100
49 145.3 117.8 176.8
51 39.6 35.6 53.4
86 62.9 51.2 76.8





#21

trans-1,2-Dichloroethene

Concen: 20.187 ug/l

RT: 5.42 min Scan# 576

Delta R.T. -0.01 min

Lab File: VW012639.D

Acq: 05 Sep 2019 14:36

Instrument :

MSVOA_W

ClientSampleId :

VW0905SBSD03

Tot Ion: 96 Resp: 50598

Ion Ratio Lower Upper

96 100

61 162.2 131.4 197.0

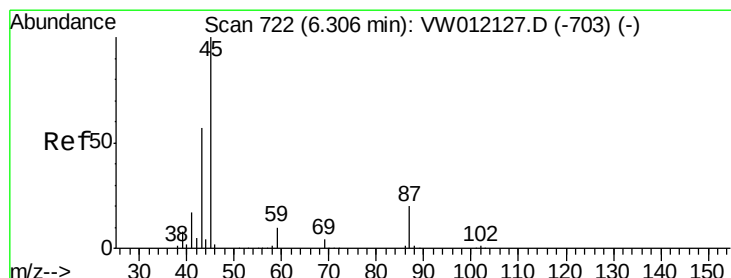
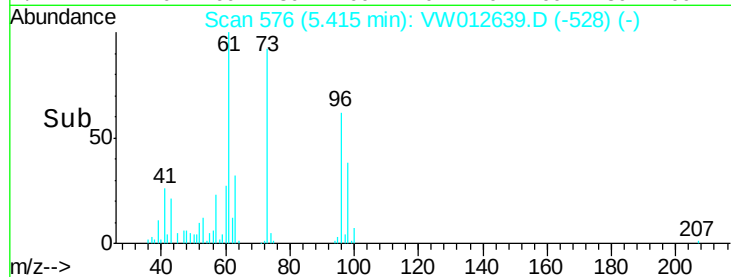
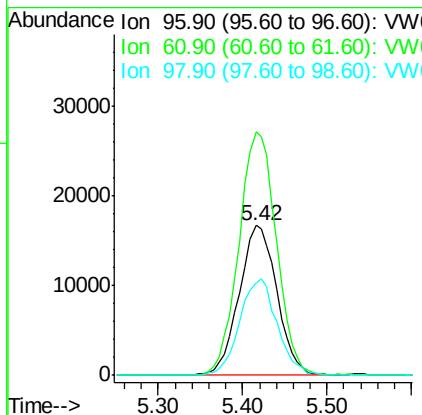
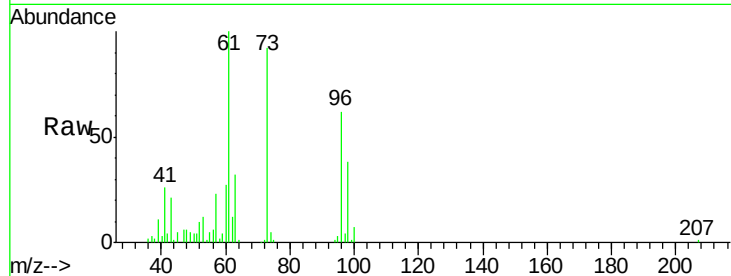
98 61.8 51.4 77.0

Manual Integrations

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#22

Diisopropyl ether

Concen: 21.932 ug/l

RT: 6.31 min Scan# 723

Delta R.T. 0.01 min

Lab File: VW012639.D

Acq: 05 Sep 2019 14:36

Tgt Ion: 45 Resp: 203146

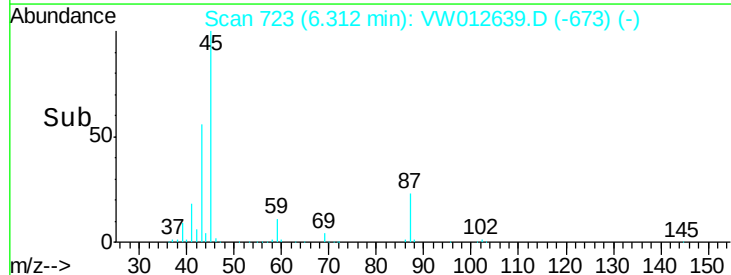
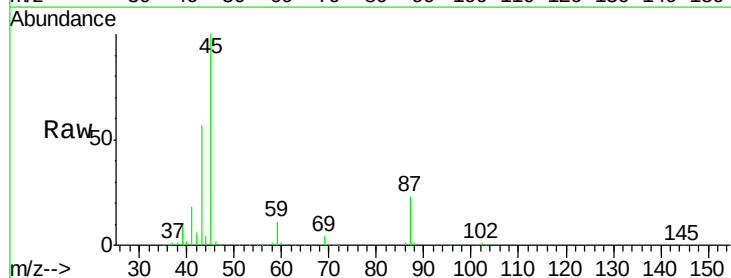
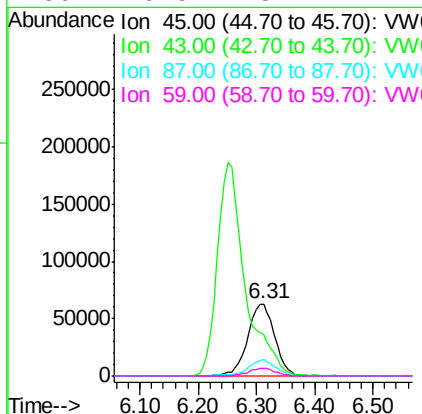
Ion Ratio Lower Upper

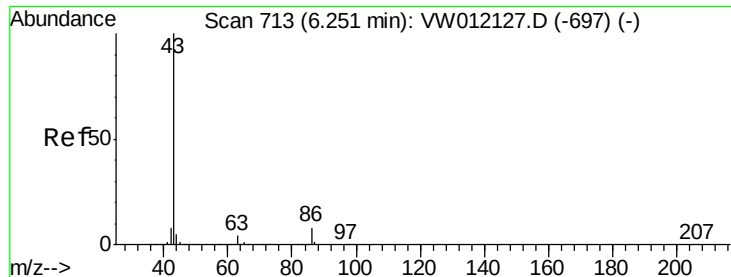
45 100

43 56.3 45.5 68.3

87 22.7 16.1 24.1

59 10.5 8.2 12.2





#23

Vinyl Acetate

Concen: 108.150 ug/l

RT: 6.25 min Scan# 713

Delta R.T. -0.00 min

Lab File: VW012639.D

Acq: 05 Sep 2019 14:36

Instrument :

MSVOA_W

ClientSampleId :

VW0905SBSD03

Tot Ion: 43 Resp: 616475

Ion Ratio Lower Upper

43 100

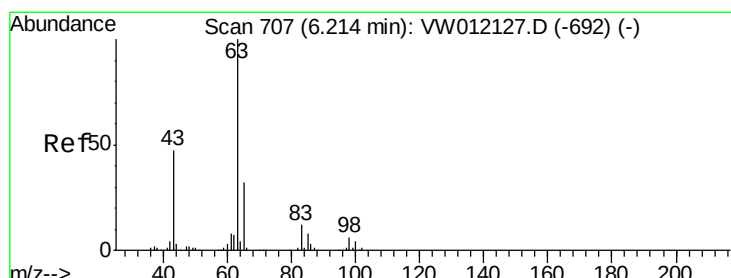
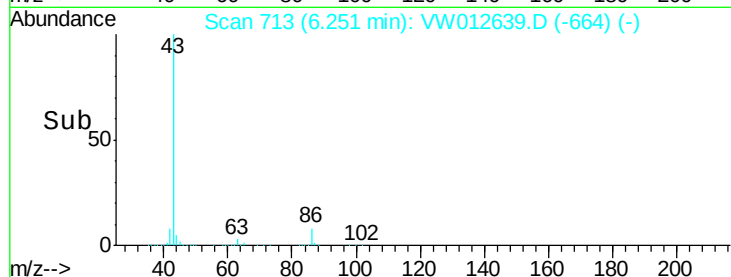
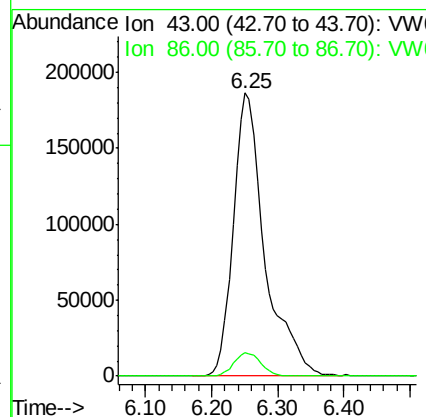
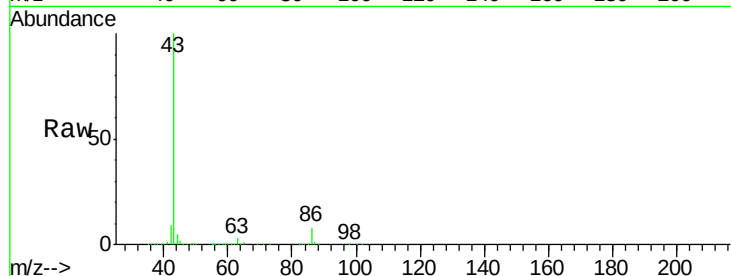
86 8.5 6.5 9.7

Manual Integrations

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#24

1,1-Dichloroethane

Concen: 21.710 ug/l

RT: 6.21 min Scan# 707

Delta R.T. -0.00 min

Lab File: VW012639.D

Acq: 05 Sep 2019 14:36

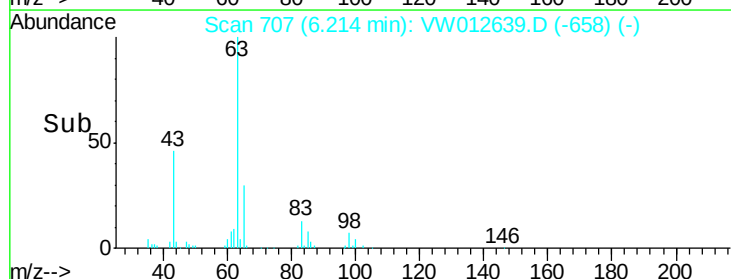
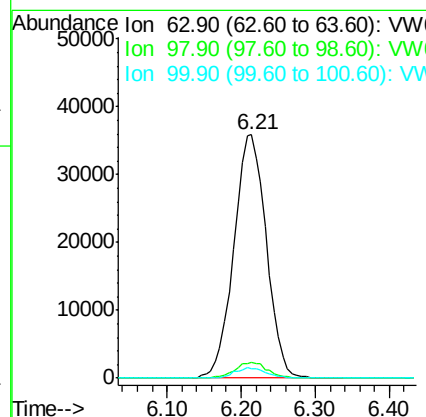
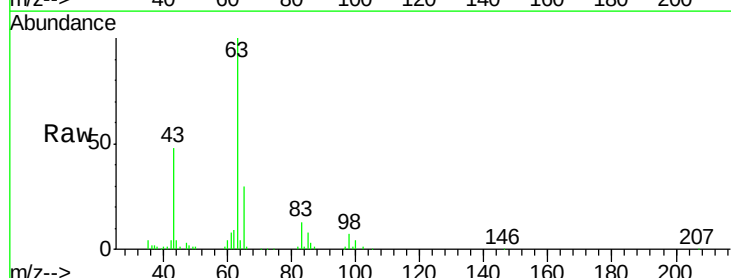
Tgt Ion: 63 Resp: 109489

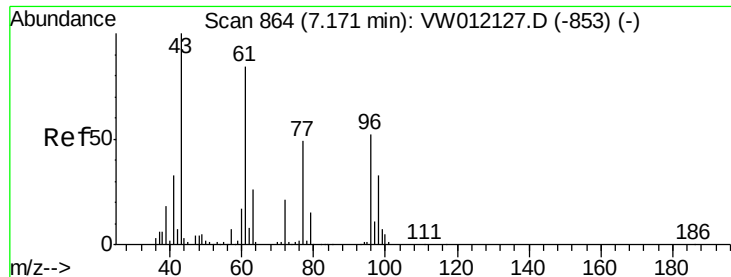
Ion Ratio Lower Upper

63 100

98 6.5 3.0 9.2

100 3.6 2.0 6.0





#25

2-Butanone

Concen: 107.657 ug/l

RT: 7.18 min Scan# 865

Delta R.T. 0.01 min

Lab File: VW012639.D

Acq: 05 Sep 2019 14:36

Instrument :

MSVOA_W

ClientSampleId :

VW0905SBSD03

Tot Ion: 43 Resp: 103591

Ion Ratio Lower Upper

43 100

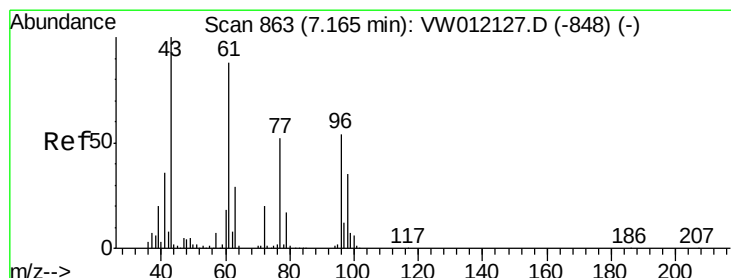
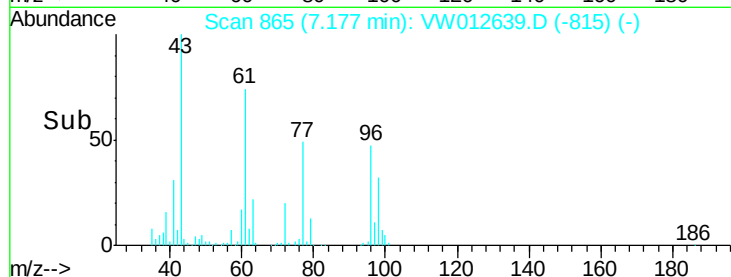
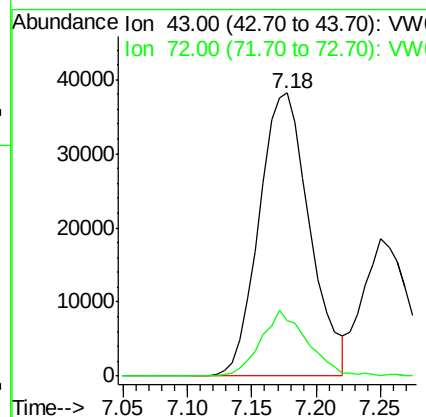
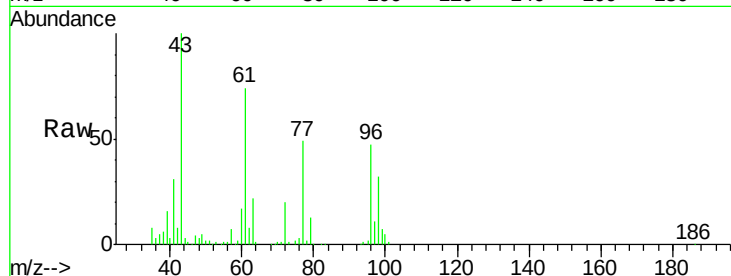
72 19.6 16.6 24.8

Manual Integrations

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MMDadoda

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#26

2,2-Dichloropropane

Concen: 23.891 ug/l

RT: 7.16 min Scan# 862

Delta R.T. -0.01 min

Lab File: VW012639.D

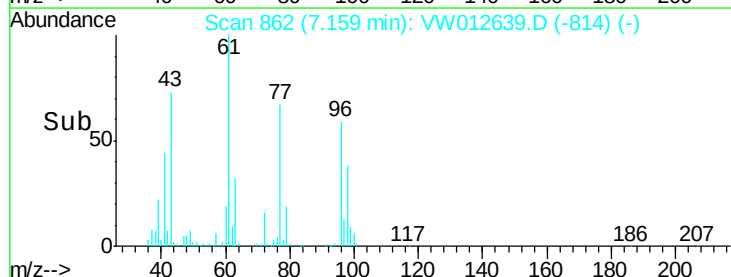
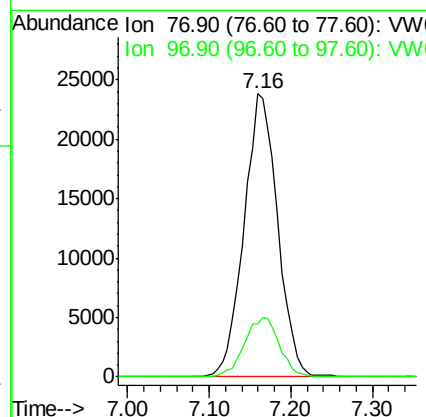
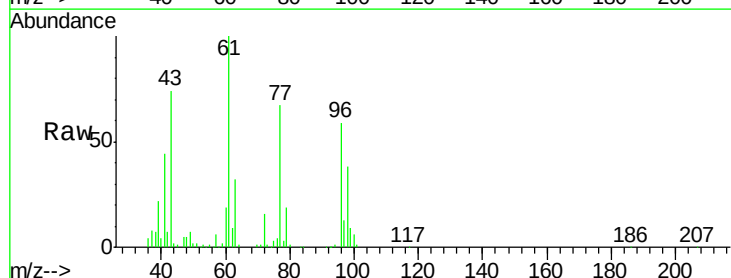
Acq: 05 Sep 2019 14:36

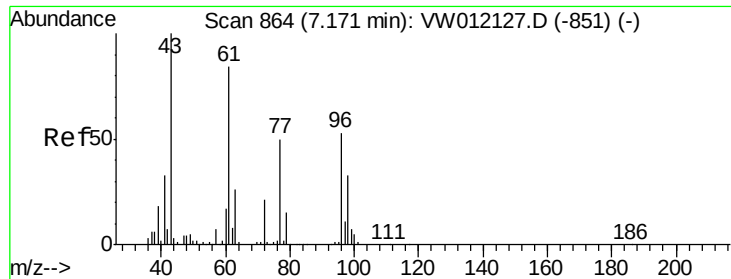
Tgt Ion: 77 Resp: 68198

Ion Ratio Lower Upper

77 100

97 21.7 11.1 33.1





#27

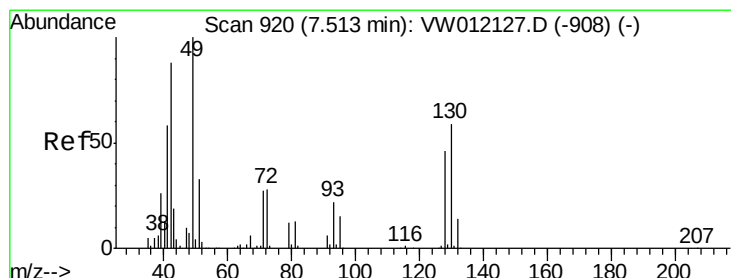
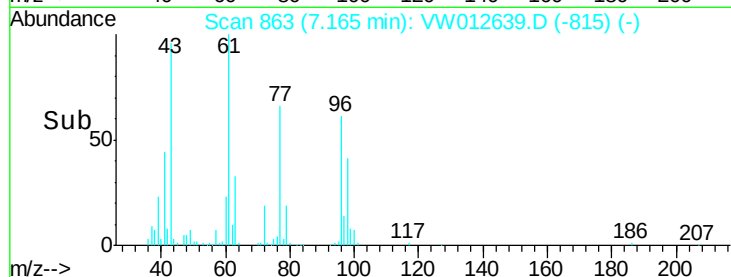
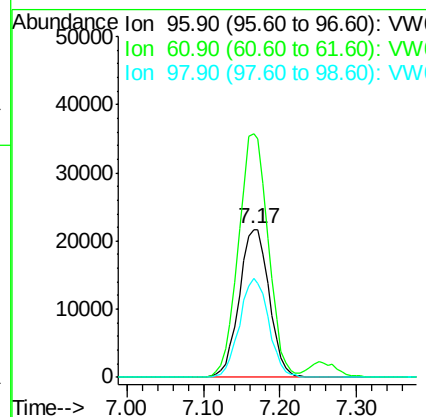
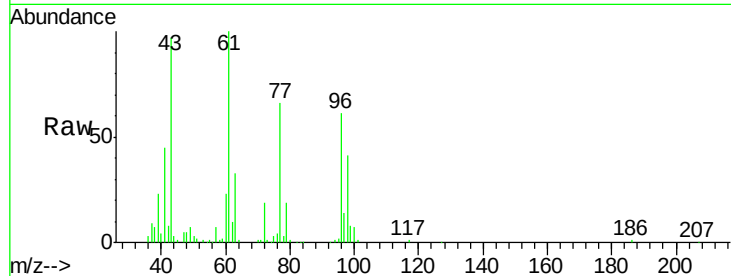
cis-1,2-Dichloroethene
Concen: 22.056 ug/l
RT: 7.17 min Scan# 863
Delta R.T. -0.01 min
Lab File: VW012639.D
Acq: 05 Sep 2019 14:36

Instrument :
MSVOA_W
ClientSampleId :
VW0905SBS03

Tot Ion	Ratio	Lower	Upper
96	100		
61	163.1	0.0	326.6
98	65.2	0.0	127.4

Manual Integrations
APPROVED

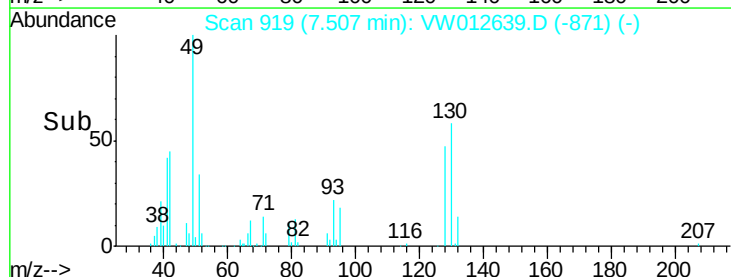
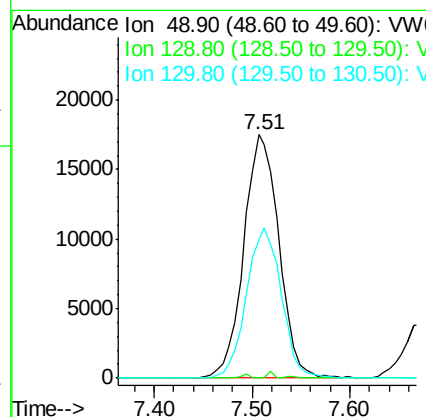
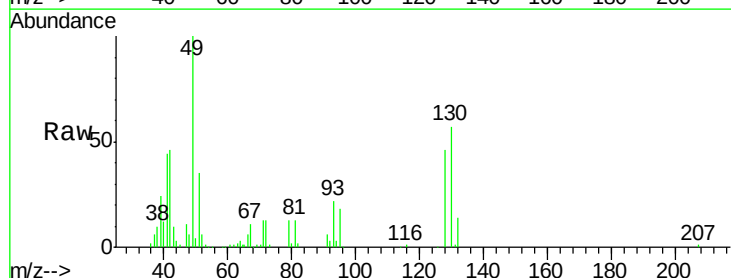
MMDadoda
9/6/2019 12:29:31 PM

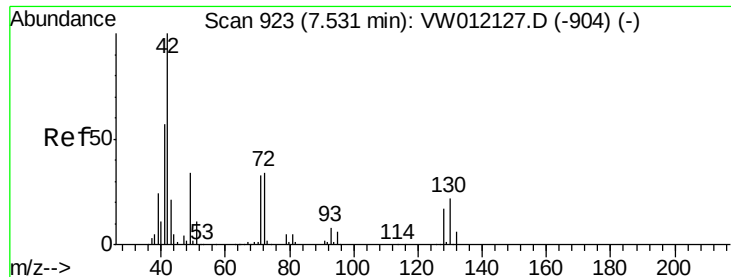


#28

Bromochloromethane
Concen: 19.889 ug/l
RT: 7.51 min Scan# 919
Delta R.T. -0.01 min
Lab File: VW012639.D
Acq: 05 Sep 2019 14:36

Tgt Ion	Ratio	Lower	Upper
49	100		
129	0.4	0.0	1.4
130	61.3	45.5	68.3





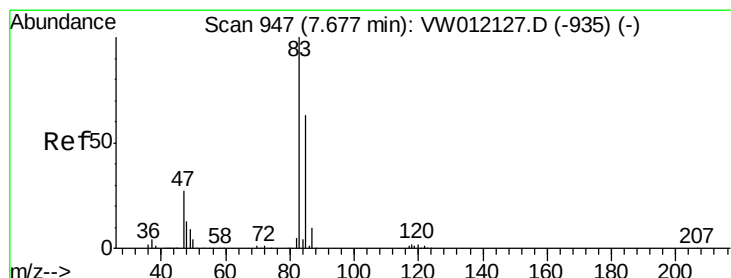
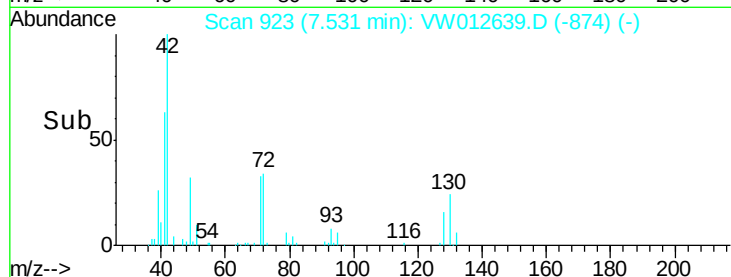
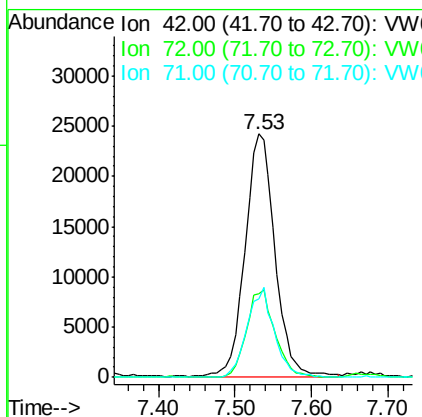
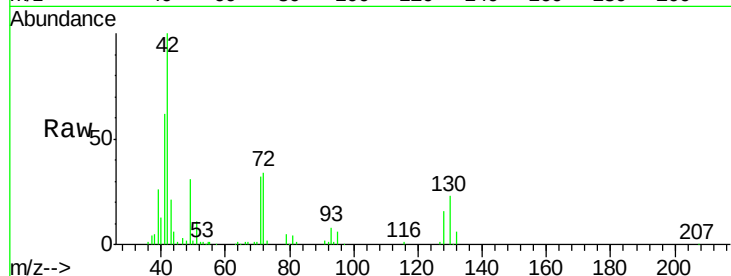
#29
Tetrahydrofuran
Concen: 114.218 ug/l
RT: 7.53 min Scan# 923
Delta R.T. -0.00 min
Lab File: VW012639.D
Acq: 05 Sep 2019 14:36

Instrument :
MSVOA_W
ClientSampleId :
VW0905SBSD03

Tot Ion	Ratio	Lower	Upper
42	100		
72	34.4	27.3	40.9
71	33.7	25.5	38.3

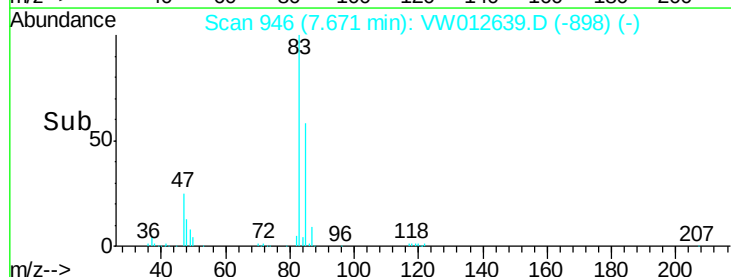
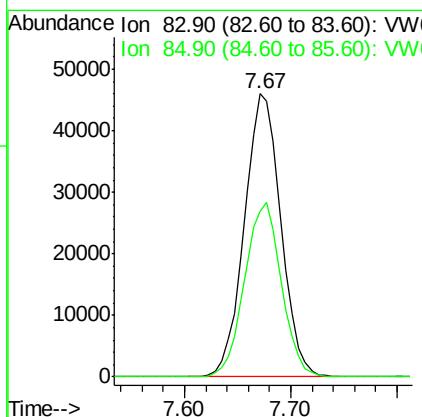
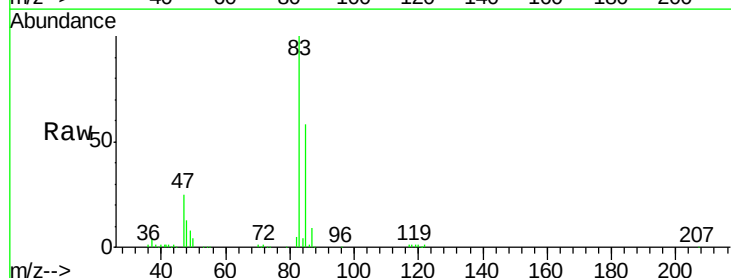
Manual Integrations
APPROVED

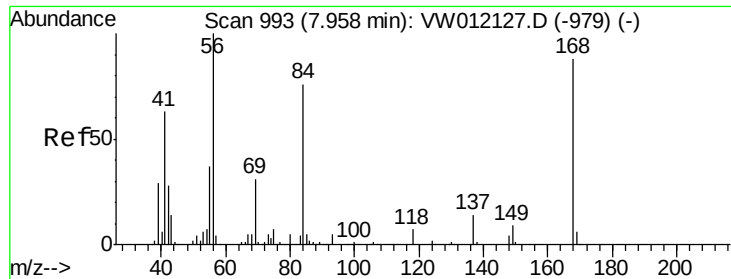
MMDadoda
9/6/2019 12:29:31 PM



#30
Chloroform
Concen: 23.982 ug/l
RT: 7.67 min Scan# 946
Delta R.T. -0.01 min
Lab File: VW012639.D
Acq: 05 Sep 2019 14:36

Tgt Ion	Ratio	Lower	Upper
83	100		
85	58.5	50.6	76.0





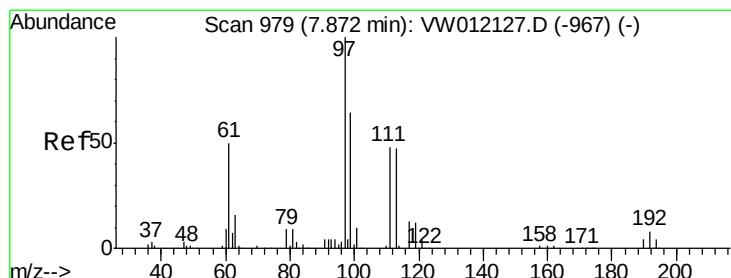
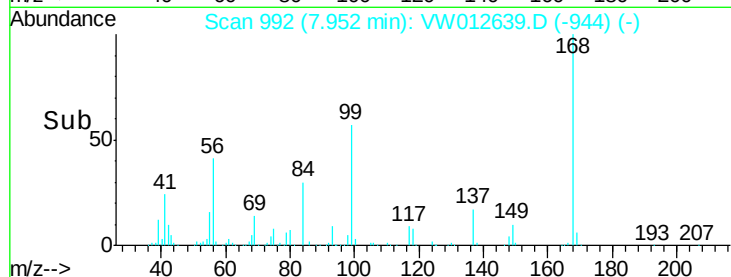
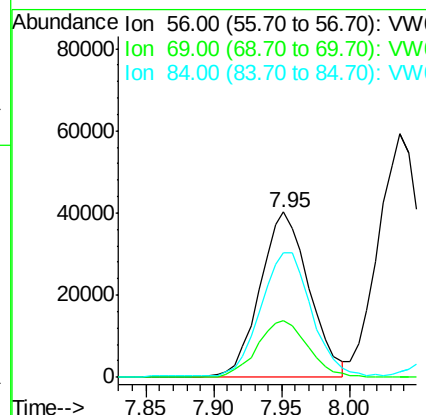
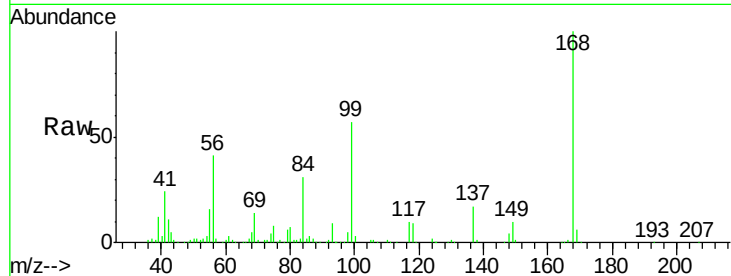
#31
Cyclohexane
Concen: 20.224 ug/l
RT: 7.95 min Scan# 992
Delta R.T. -0.01 min
Lab File: VW012639.D
Acq: 05 Sep 2019 14:36

Instrument :
MSVOA_W
ClientSampleId :
VW0905SBSD03

Tot Ion	Ratio	Resp	Lower	Upper
56	100	100910		
69	34.6		24.9	37.3
84	74.5		60.6	90.8

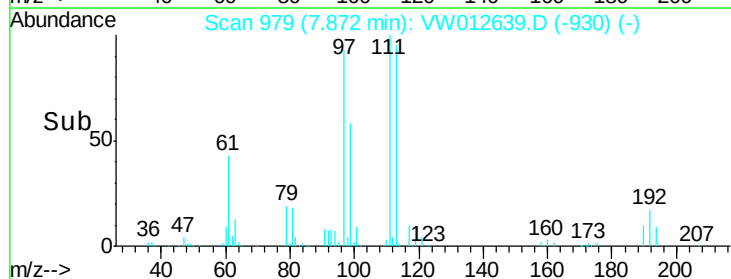
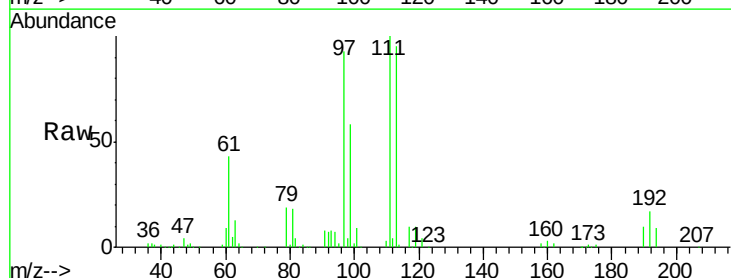
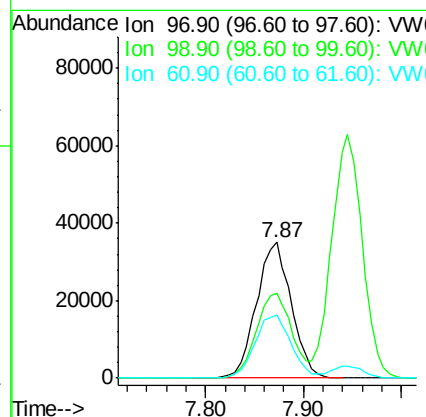
Manual Integrations
APPROVED

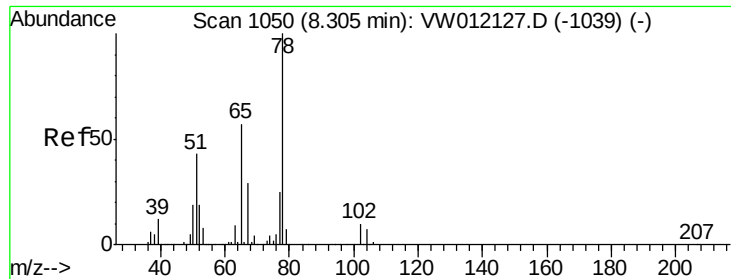
MMDadoda
9/6/2019 12:29:31 PM



#32
1,1,1-Trichloroethane
Concen: 23.864 ug/l
RT: 7.87 min Scan# 979
Delta R.T. -0.00 min
Lab File: VW012639.D
Acq: 05 Sep 2019 14:36

Tgt Ion	Ratio	Resp	Lower	Upper
97	100	87104		
99	63.2		51.4	77.0
61	48.2		39.5	59.3





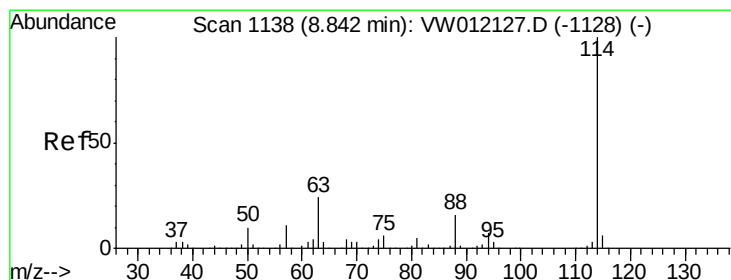
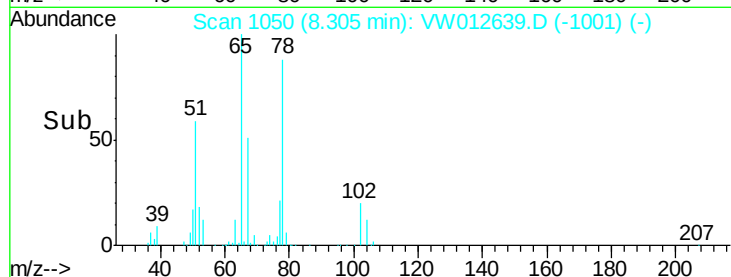
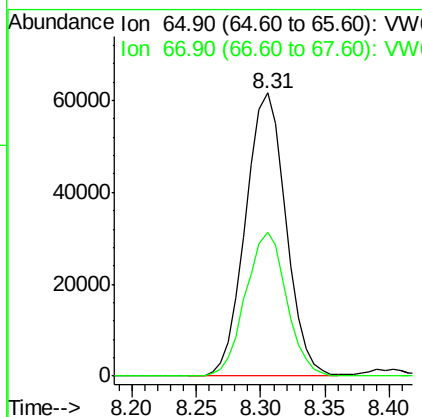
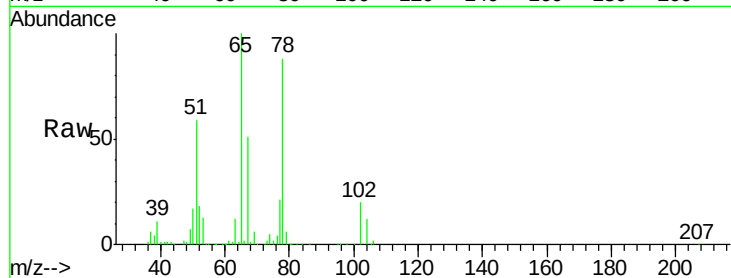
#33
 1,2-Dichloroethane-d4
 Concen: 48.340 ug/l
 RT: 8.31 min Scan# 1050
 Delta R.T. -0.00 min
 Lab File: VW012639.D
 Acq: 05 Sep 2019 14:36

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0905SBSD03

Tot Ion	Ratio	Resp	Lower	Upper
65	100	133908		
67	51.5	0.0	102.6	

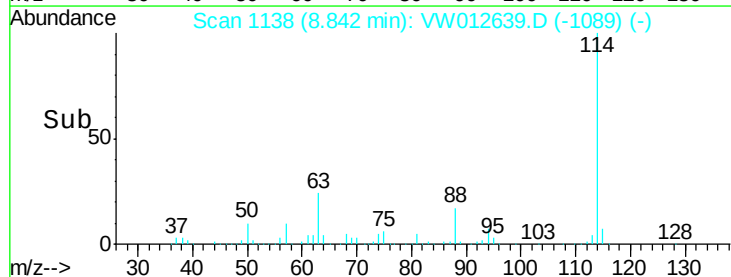
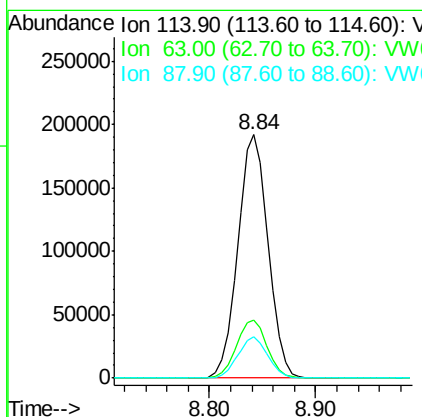
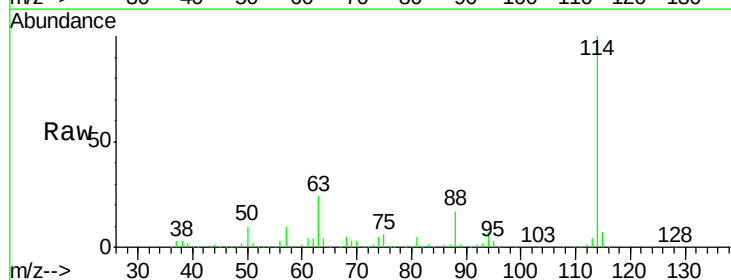
Manual Integrations
 APPROVED

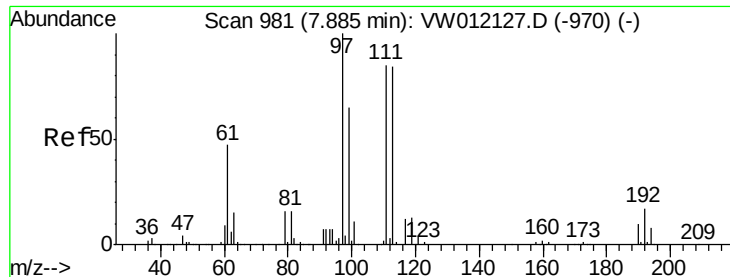
MMDadoda
 9/6/2019 12:29:31 PM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1138
 Delta R.T. -0.00 min
 Lab File: VW012639.D
 Acq: 05 Sep 2019 14:36

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	381837		
63	24.1	0.0	48.6	
88	16.8	0.0	32.2	





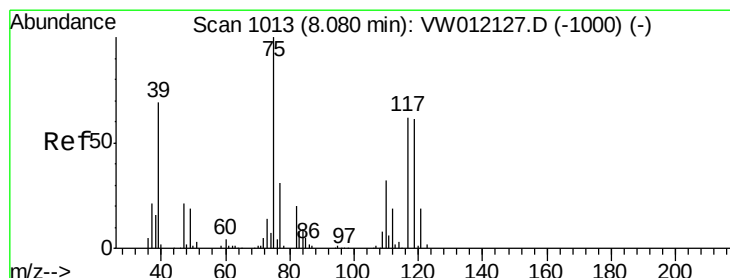
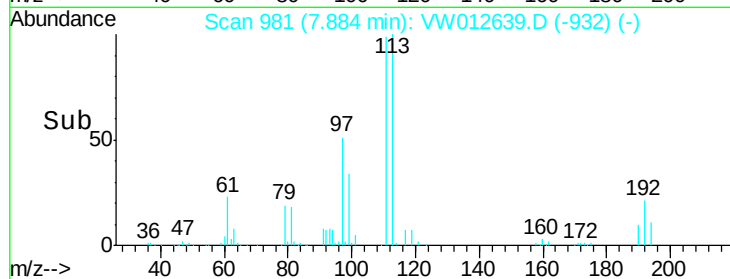
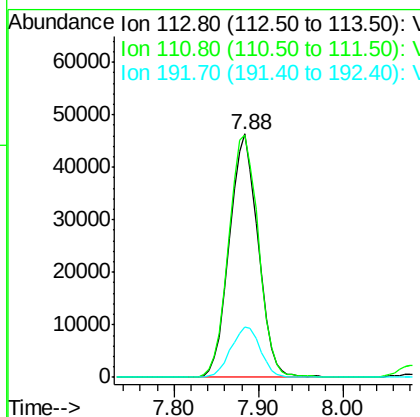
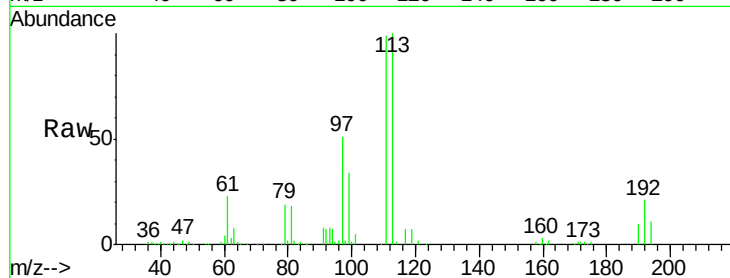
#35
 Dibromofluoromethane
 Concen: 46.978 ug/l
 RT: 7.88 min Scan# 981
 Delta R.T. -0.00 min
 Lab File: VW012639.D
 Acq: 05 Sep 2019 14:36

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0905SBS03

Tot Ion	Ratio	Resp	Lower	Upper
113	100	107072		
111	103.4	82.7	124.1	
192	21.2	16.2	24.2	

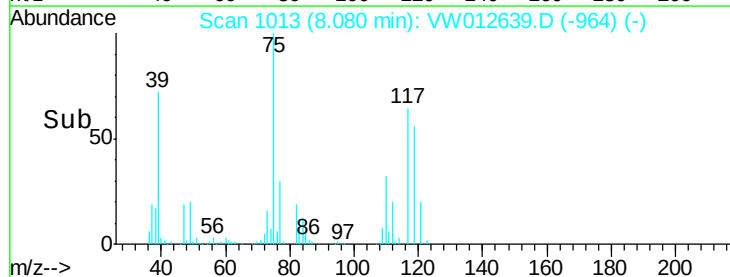
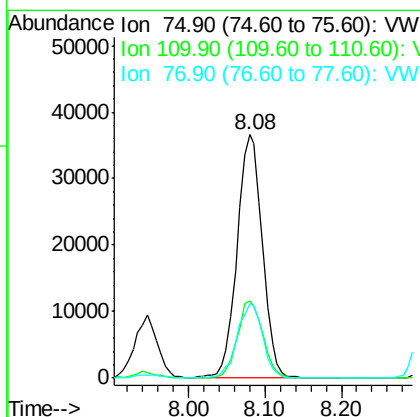
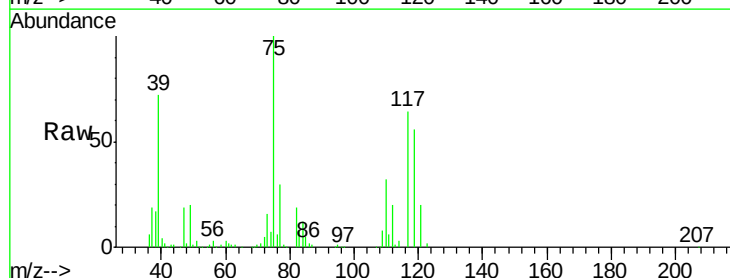
Manual Integrations
 APPROVED

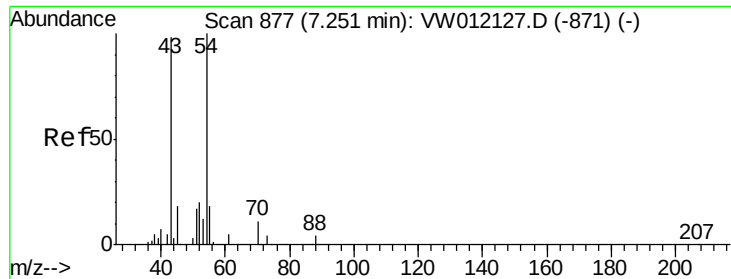
MMDadoda
 9/6/2019 12:29:31 PM



#36
 1,1-Dichloropropene
 Concen: 21.271 ug/l
 RT: 8.08 min Scan# 1013
 Delta R.T. -0.00 min
 Lab File: VW012639.D
 Acq: 05 Sep 2019 14:36

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	83934		
110	31.7	15.6	46.8	
77	31.0	24.6	36.8	





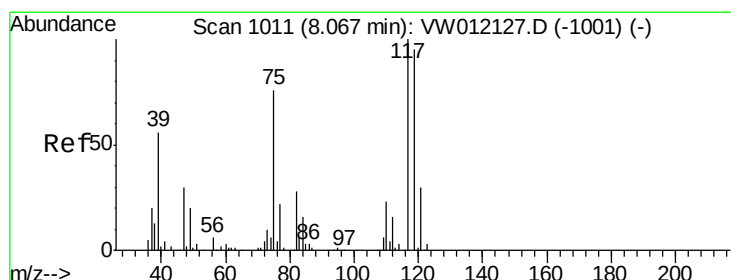
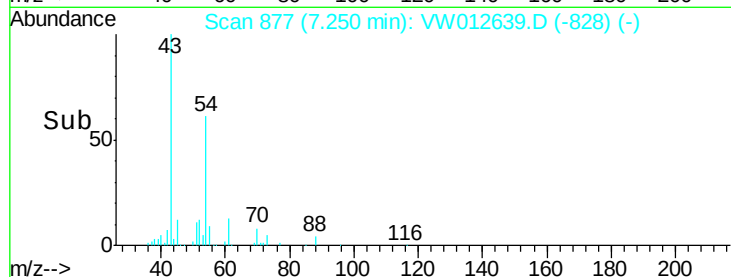
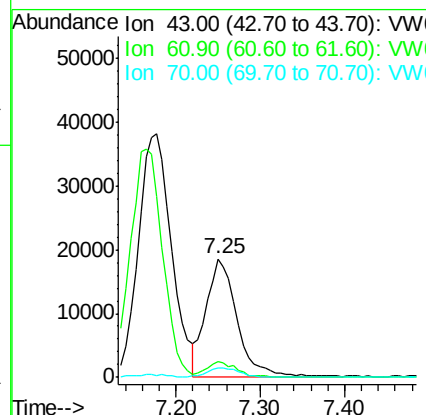
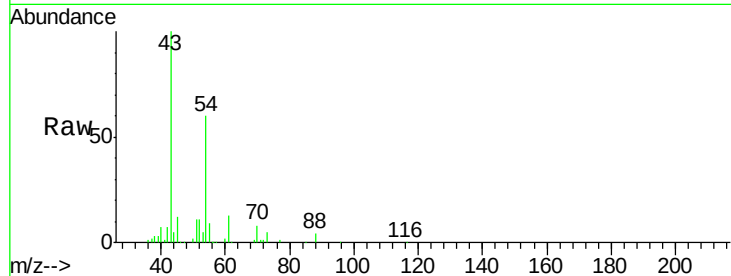
#37
Ethyl Acetate
Concen: 21.843 ug/l
RT: 7.25 min Scan# 877
Delta R.T. -0.00 min
Lab File: VW012639.D
Acq: 05 Sep 2019 14:36

Instrument :
MSVOA_W
ClientSampleId :
VW0905SBS03

Tot Ion	Ratio	Lower	Upper
43	100		
61	12.7	9.2	13.8
70	8.5	6.9	10.3

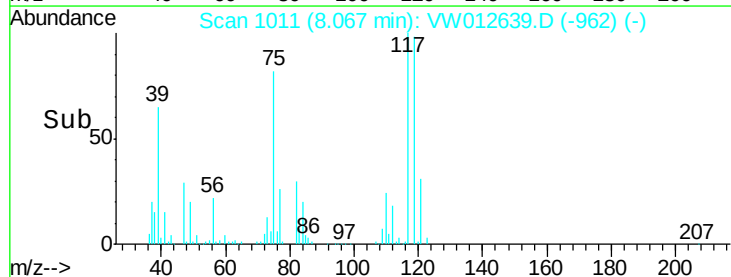
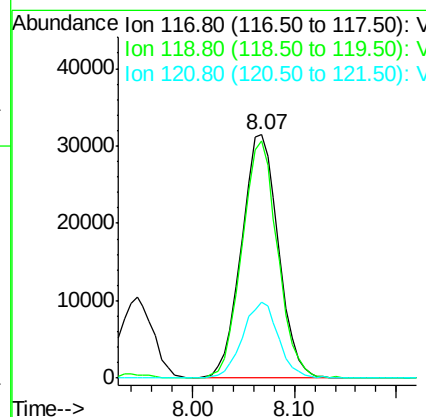
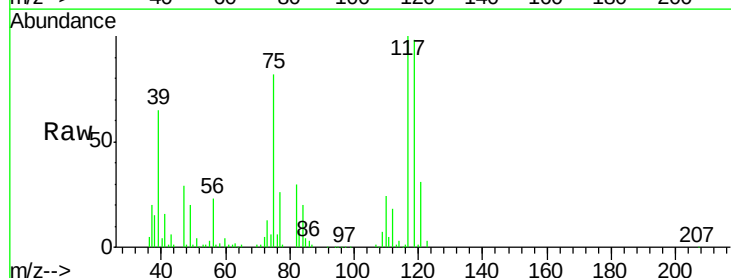
Manual Integrations
APPROVED

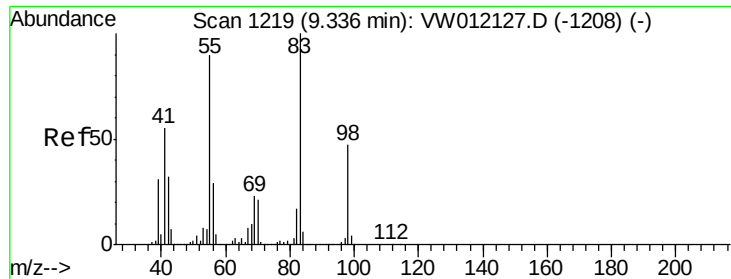
MMDadoda
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#38
Carbon Tetrachloride
Concen: 23.121 ug/l
RT: 8.07 min Scan# 1011
Delta R.T. -0.00 min
Lab File: VW012639.D
Acq: 05 Sep 2019 14:36

Tgt Ion	Ratio	Lower	Upper
117	100		
119	97.5	76.2	114.2
121	31.4	23.8	35.8





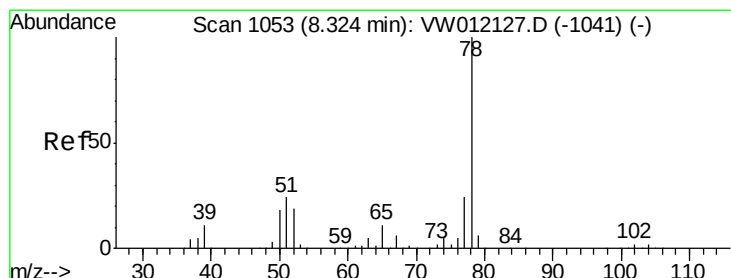
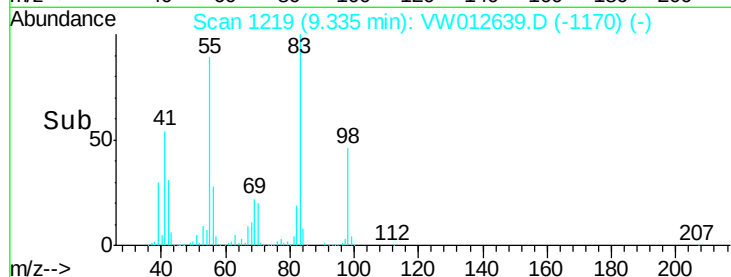
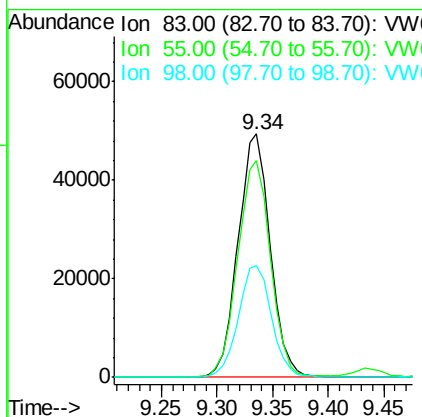
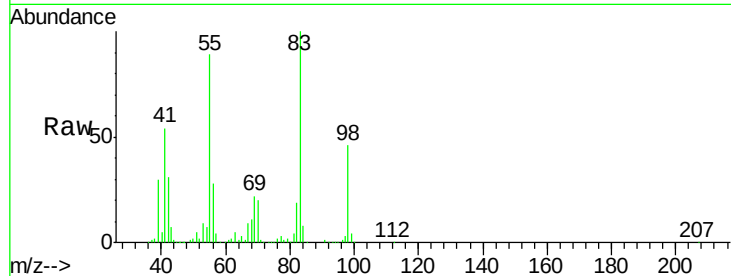
#39
Methylvlcyclohexane
Concen: 22.409 ug/l
RT: 9.34 min Scan# 1219
Delta R.T. -0.00 min
Lab File: VW012639.D
Acq: 05 Sep 2019 14:36

Instrument :
MSVOA_W
ClientSampleId :
VW0905SBS03

Tot Ion:	83	Resp:	99336
Ion	Ratio	Lower	Upper
83	100		
55	88.6	71.8	107.8
98	46.0	37.8	56.8

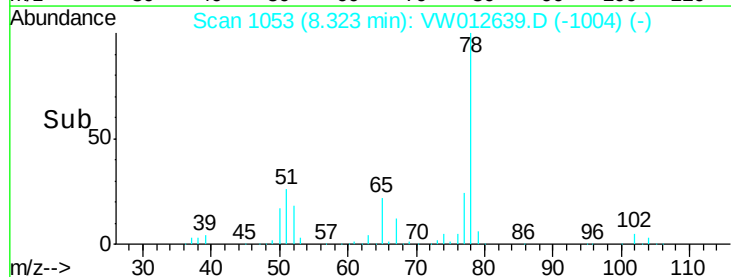
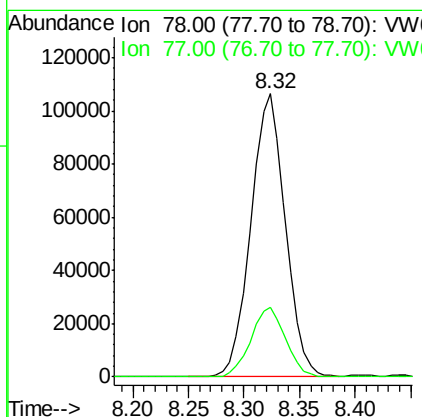
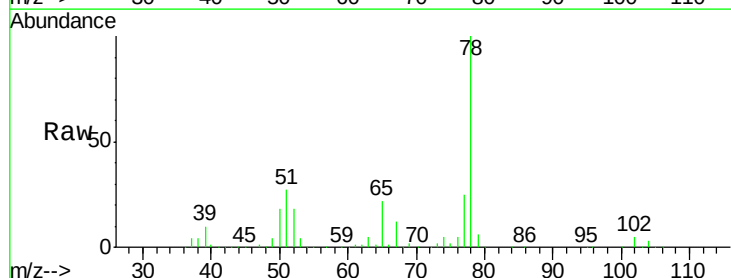
Manual Integrations
APPROVED

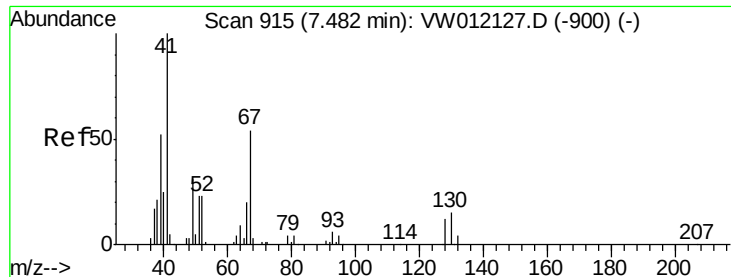
MMDadoda
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#40
Benzene
Concen: 21.285 ug/l
RT: 8.32 min Scan# 1053
Delta R.T. -0.00 min
Lab File: VW012639.D
Acq: 05 Sep 2019 14:36

Tgt Ion:	78	Resp:	229332
Ion	Ratio	Lower	Upper
78	100		
77	24.6	19.5	29.3





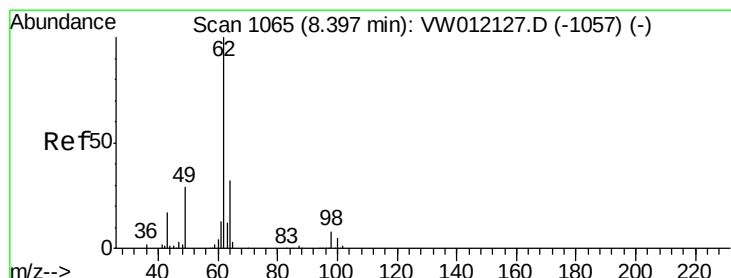
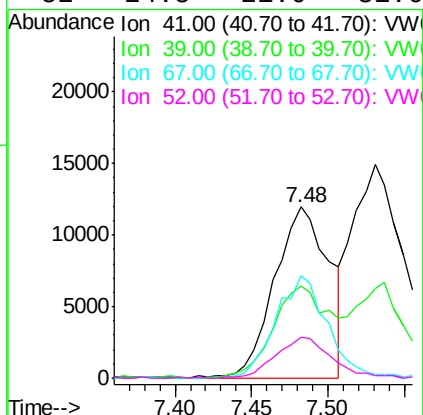
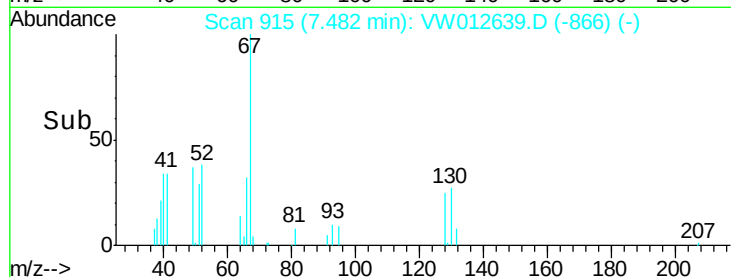
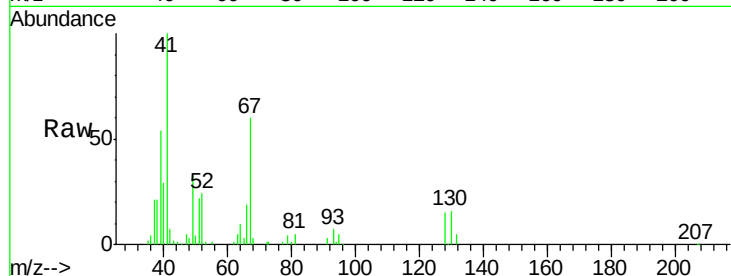
#41
Methacrylonitrile
Concen: 23.408 ug/l
RT: 7.48 min Scan# 915
Delta R.T. -0.00 min
Lab File: VW012639.D
Acq: 05 Sep 2019 14:36

Instrument :
MSVOA_W
ClientSampleId :
VW0905SBS03

Tot Ion	41	Resp	29748
Ion	Ratio	Lower	Upper
41	100		
39	55.1	45.8	68.8
67	57.0	46.2	69.4
52	24.5	21.0	31.6

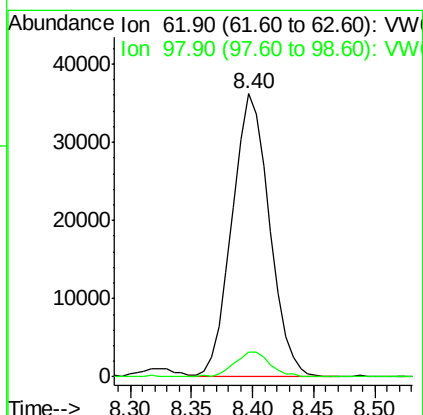
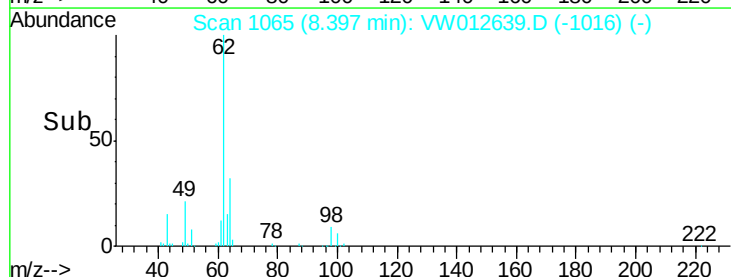
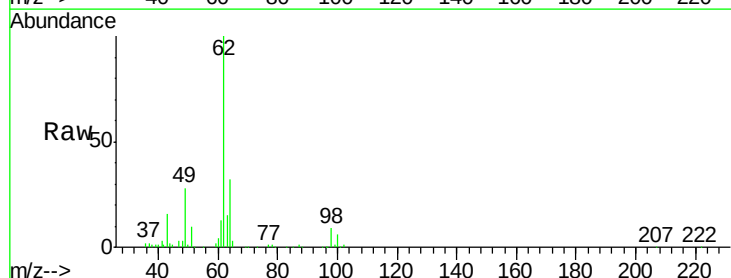
Manual Integrations
APPROVED

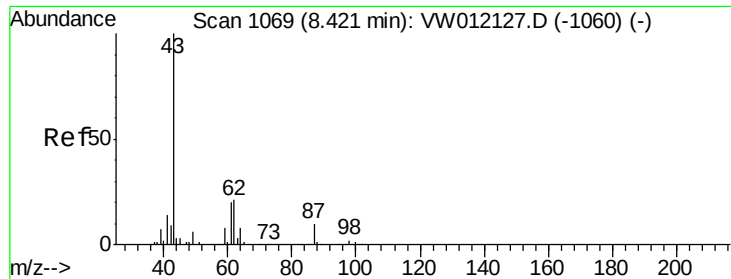
MMDadoda
9/6/2019 12:29:31 PM



#42
1,2-Dichloroethane
Concen: 22.729 ug/l
RT: 8.40 min Scan# 1065
Delta R.T. -0.00 min
Lab File: VW012639.D
Acq: 05 Sep 2019 14:36

Tgt Ion	62	Resp	76750
Ion	Ratio	Lower	Upper
62	100		
98	8.5	0.0	16.6





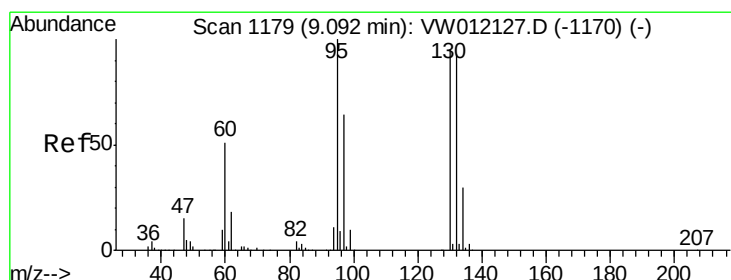
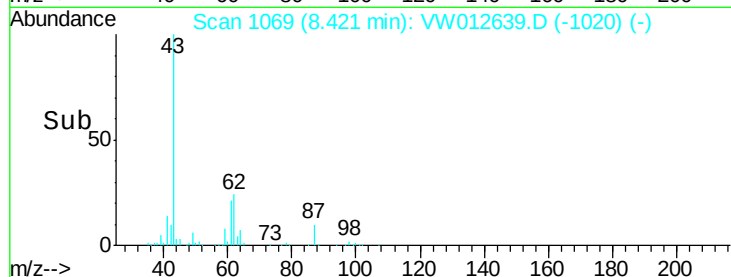
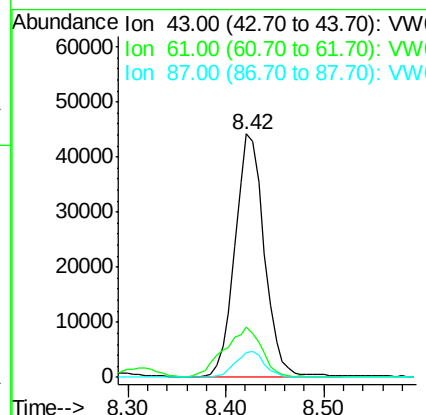
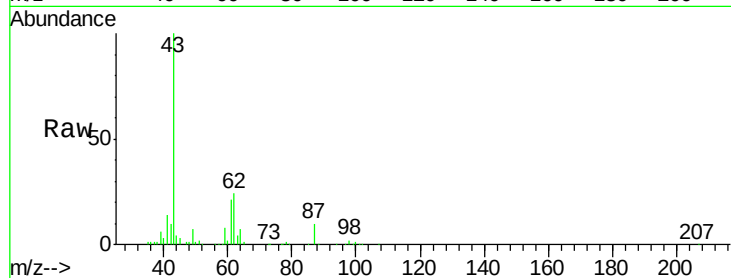
#43
Isopropyl Acetate
Concen: 22.897 ug/l
RT: 8.42 min Scan# 1069
Delta R.T. -0.00 min
Lab File: VW012639.D
Acq: 05 Sep 2019 14:36

Instrument :
MSVOA_W
ClientSampleId :
VW0905SBS03

Tot Ion	43	Resp	91706
Ion Ratio	100	Lower	Upper
43	100		
61	26.7	21.1	31.7
87	10.7	8.2	12.2

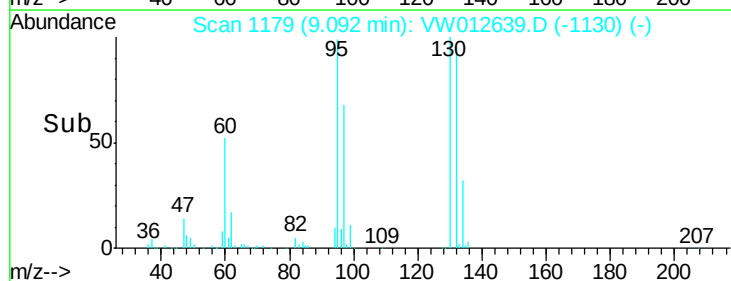
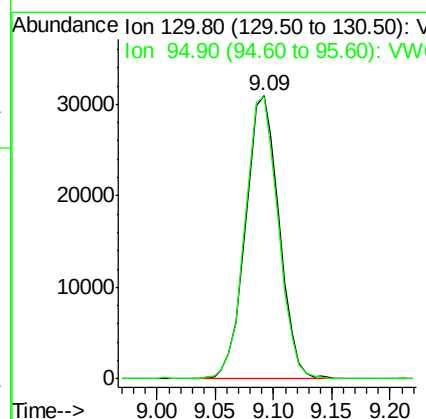
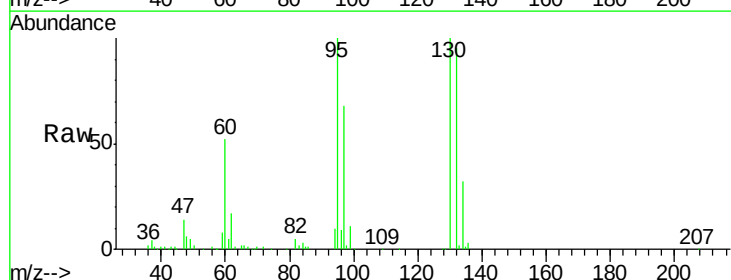
Manual Integrations
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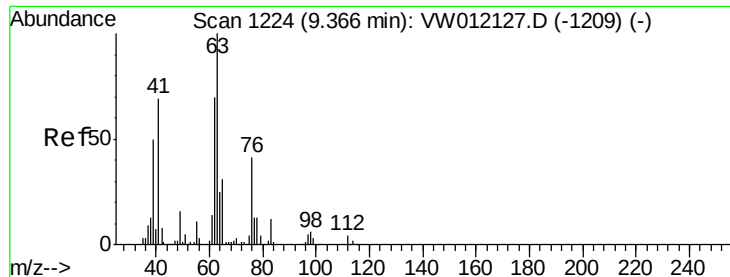
MMDadoda
9/6/2019 12:29:31 PM



#44
Trichloroethene
Concen: 23.733 ug/l
RT: 9.09 min Scan# 1179
Delta R.T. -0.00 min
Lab File: VW012639.D
Acq: 05 Sep 2019 14:36

Tgt Ion	130	Resp	62161
Ion Ratio	100	Lower	Upper
130	100		
95	99.6	0.0	210.6





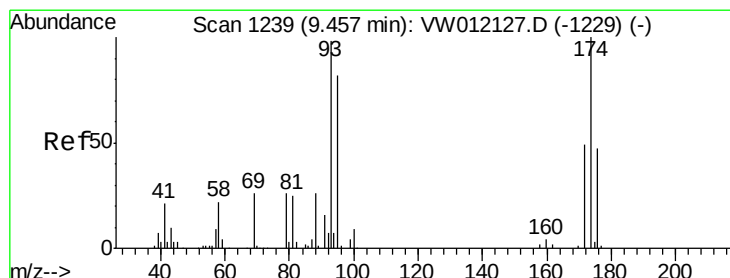
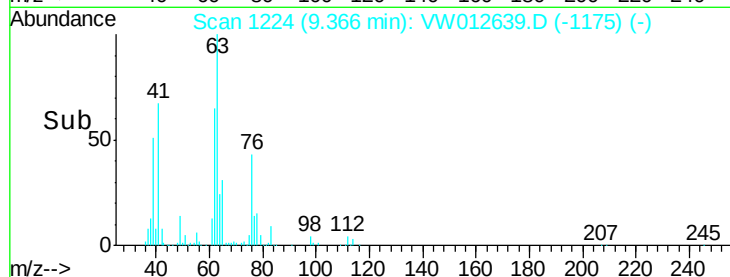
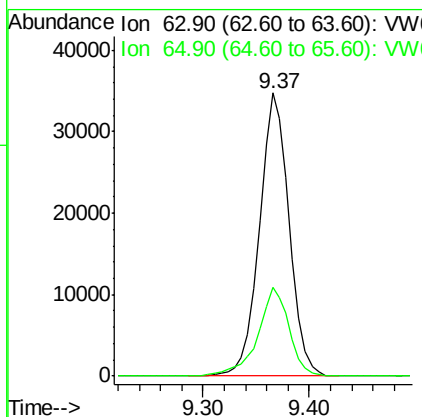
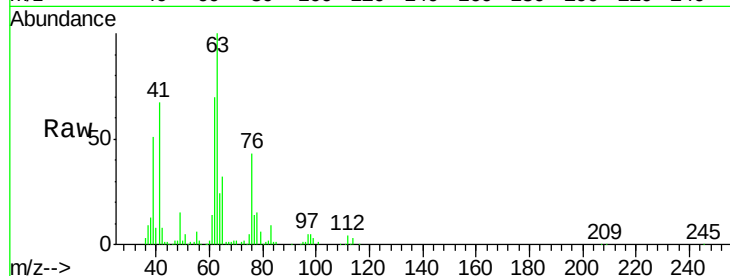
#45
 1,2-Dichloropropane
 Concen: 23.348 ug/l
 RT: 9.37 min Scan# 1224
 Delta R.T. -0.00 min
 Lab File: VW012639.D
 Acq: 05 Sep 2019 14:36

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0905SBSD03

Tot Ion: 63 Resp: 67704
 Ion Ratio Lower Upper
 63 100
 65 31.5 25.0 37.4

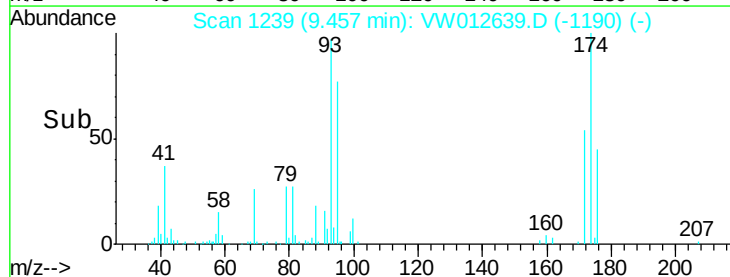
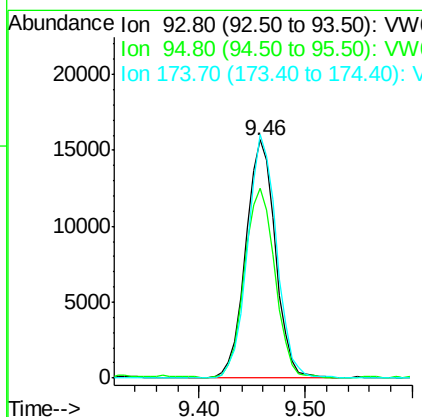
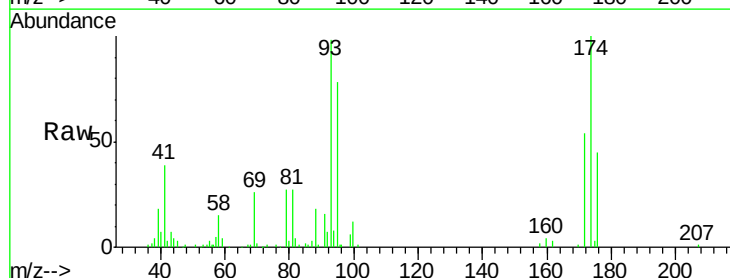
Manual Integrations
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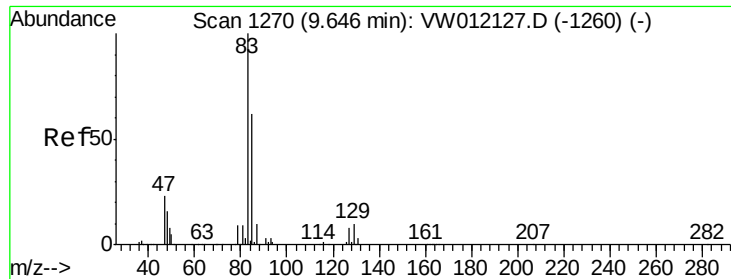
MMDadoda
 9/6/2019 12:29:31 PM



#46
 Dibromomethane
 Concen: 23.854 ug/l
 RT: 9.46 min Scan# 1239
 Delta R.T. -0.00 min
 Lab File: VW012639.D
 Acq: 05 Sep 2019 14:36

Tgt Ion: 93 Resp: 30776
 Ion Ratio Lower Upper
 93 100
 95 81.8 67.2 100.8
 174 99.9 79.0 118.6





#47

Bromodichloromethane

Concen: 24.065 ug/l

RT: 9.65 min Scan# 1270

Delta R.T. -0.00 min

Lab File: VW012639.D

Acq: 05 Sep 2019 14:36

Instrument :

MSVOA_W

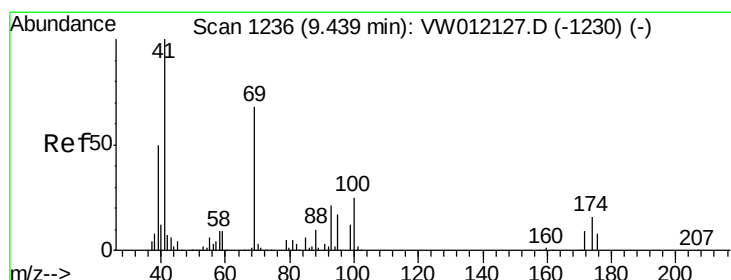
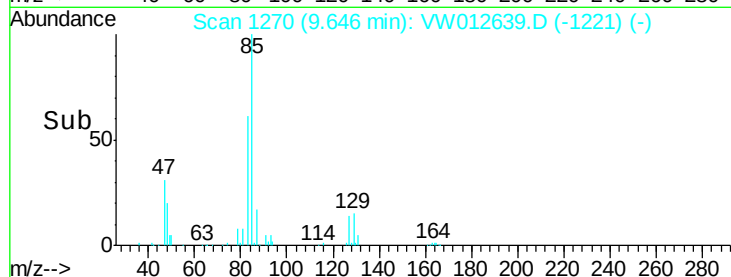
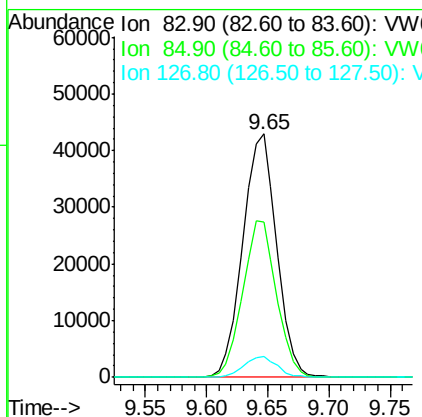
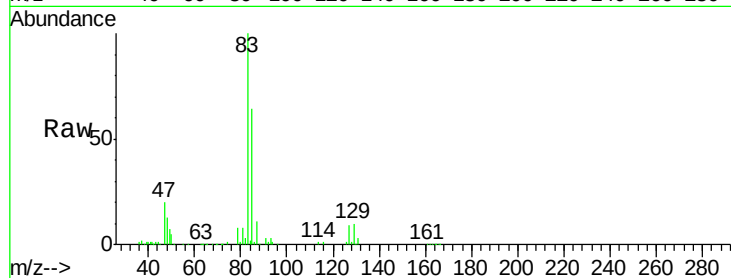
ClientSampleId :

VW0905SBSD03

Tot Ion:	83	Resp:	82632
Ion	Ratio	Lower	Upper
83	100		
85	63.8	49.4	74.2
127	8.8	6.1	9.1

Manual Integrations
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MMDadoda
9/6/2019 12:29:31 PM



#48

Methyl methacrylate

Concen: 23.451 ug/l

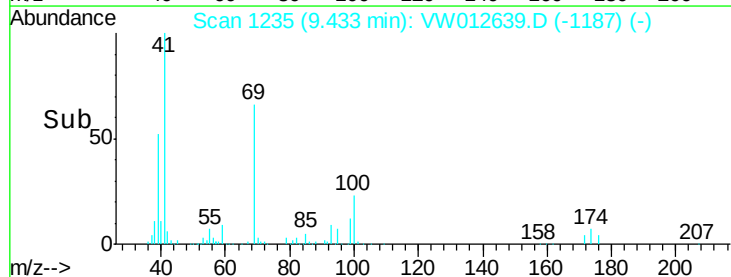
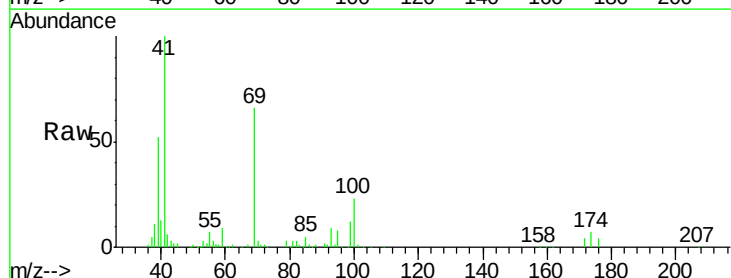
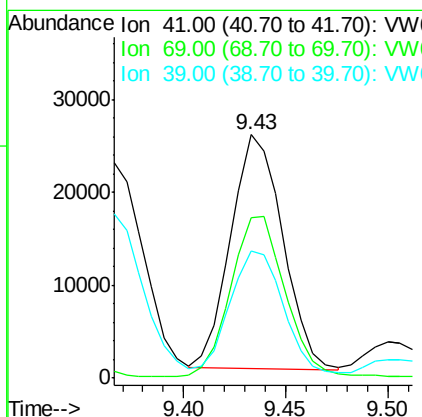
RT: 9.43 min Scan# 1235

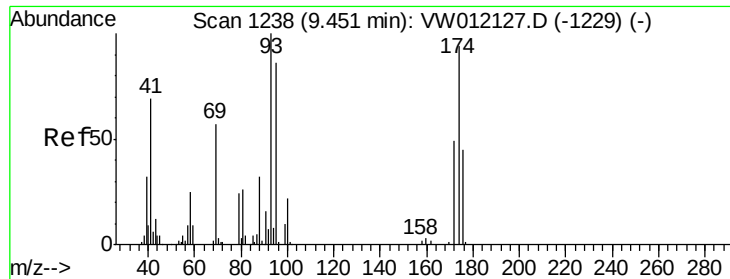
Delta R.T. -0.01 min

Lab File: VW012639.D

Acq: 05 Sep 2019 14:36

Tgt Ion:	41	Resp:	44704
Ion	Ratio	Lower	Upper
41	100		
69	72.5	56.7	85.1
39	57.6	42.0	63.0





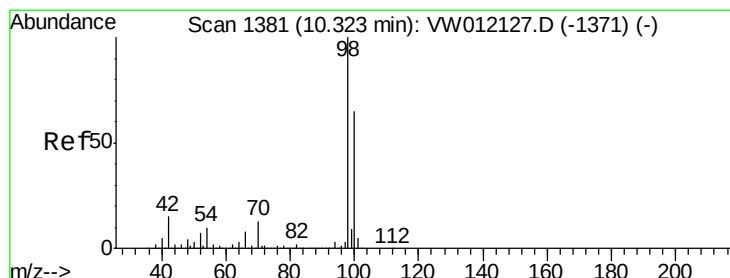
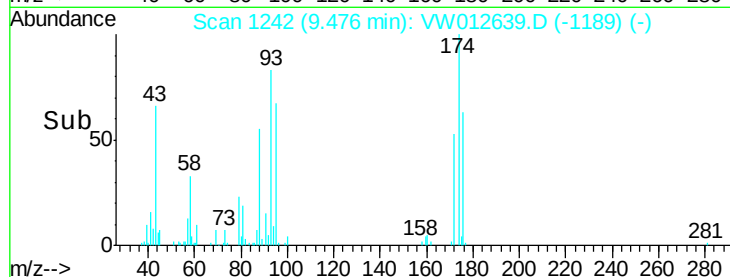
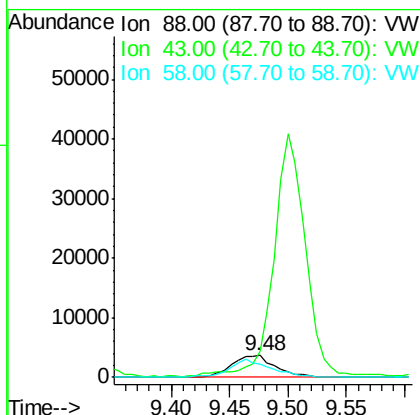
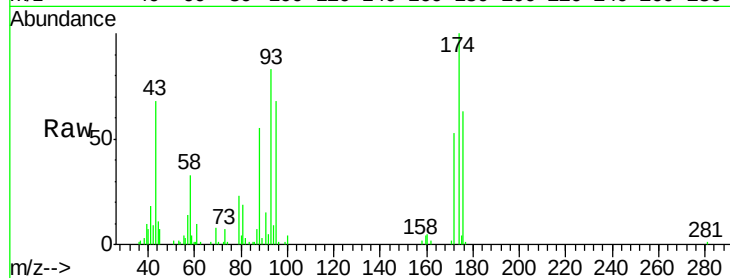
#49
1,4-Dioxane
Concen: 483.266 ug/l
RT: 9.48 min Scan# 1242
Delta R.T. 0.02 min
Lab File: VW012639.D
Acq: 05 Sep 2019 14:36

Instrument :
MSVOA_W
ClientSampleId :
VW0905SBS03

Tot Ion	Ratio	Lower	Upper
88	100		
43	0.0	32.9	49.3#
58	79.9	71.0	106.4

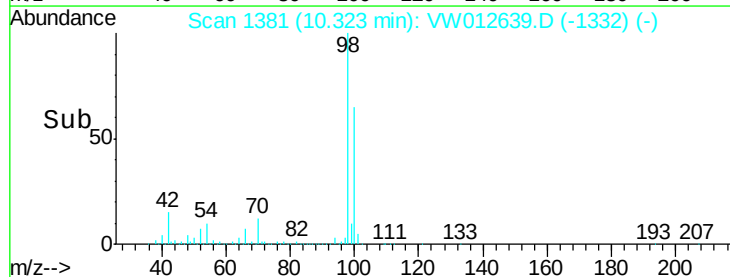
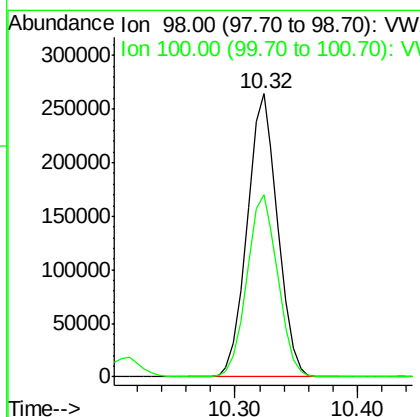
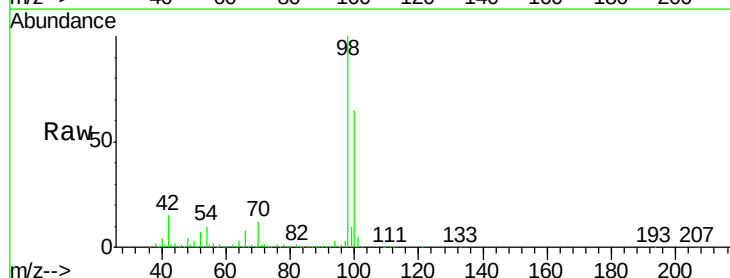
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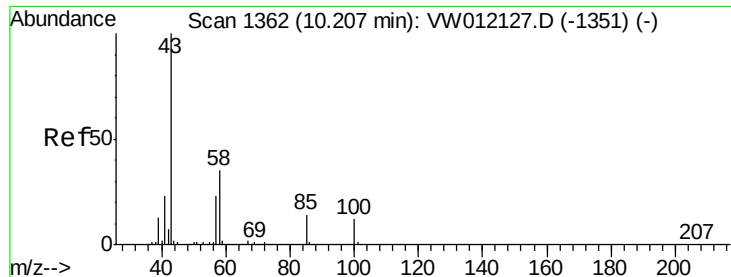
MMDadoda
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#50
Toluene-d8
Concen: 49.289 ug/l
RT: 10.32 min Scan# 1381
Delta R.T. -0.00 min
Lab File: VW012639.D
Acq: 05 Sep 2019 14:36

Tgt Ion	Ratio	Lower	Upper
98	100		
100	65.3	52.4	78.6





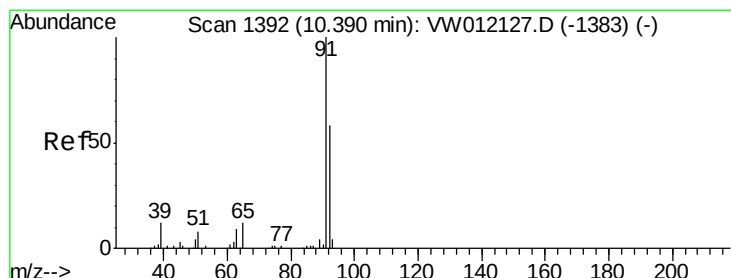
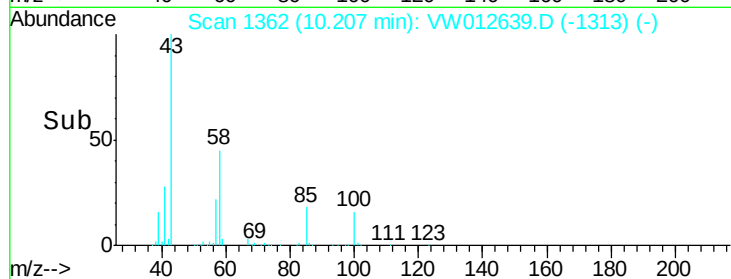
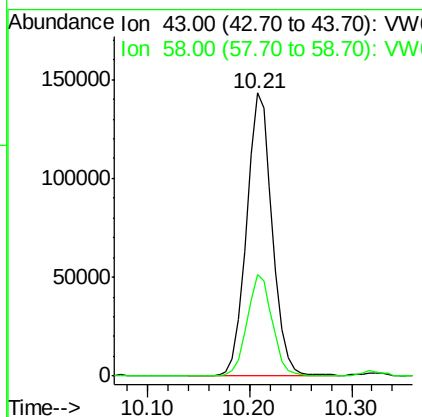
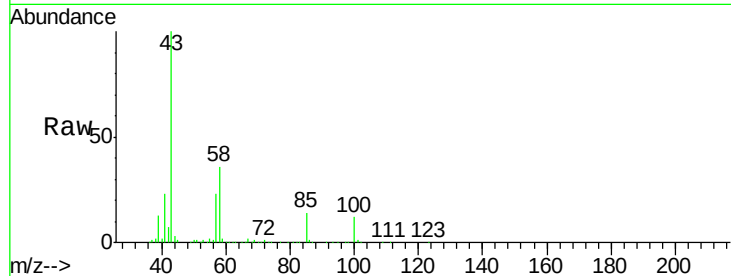
#51
4-Methyl-2-Pentanone
Concen: 122.727 ug/l
RT: 10.21 min Scan# 1362
Delta R.T. -0.00 min
Lab File: VW012639.D
Acq: 05 Sep 2019 14:36

Instrument :
MSVOA_W
ClientSampleId :
VW0905SBS03

Tot Ion	Ratio	Lower	Upper
43	100		
58	35.3	28.2	42.2

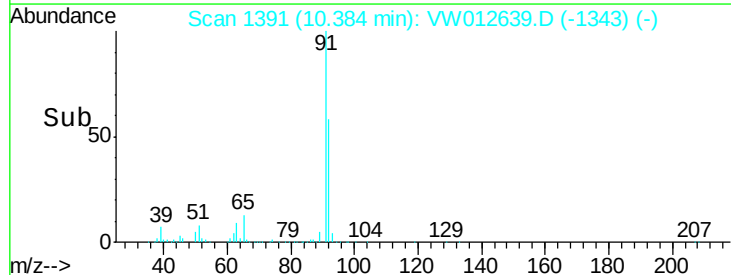
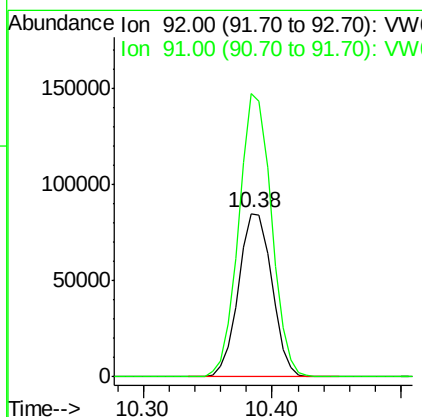
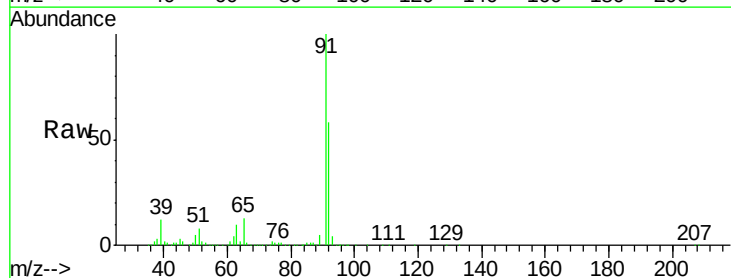
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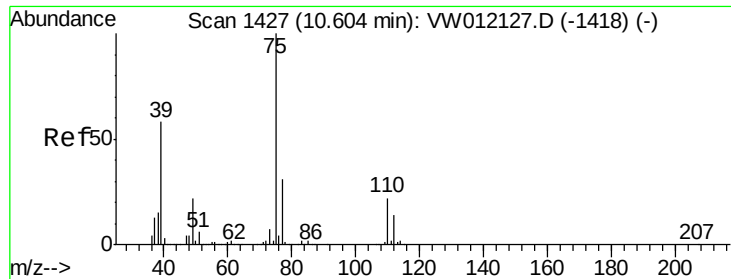
MMDadoda
9/6/2019 12:29:31 PM



#52
Toluene
Concen: 23.558 ug/l
RT: 10.38 min Scan# 1391
Delta R.T. -0.01 min
Lab File: VW012639.D
Acq: 05 Sep 2019 14:36

Tgt Ion	Ratio	Lower	Upper
92	100		
91	169.7	136.6	204.8





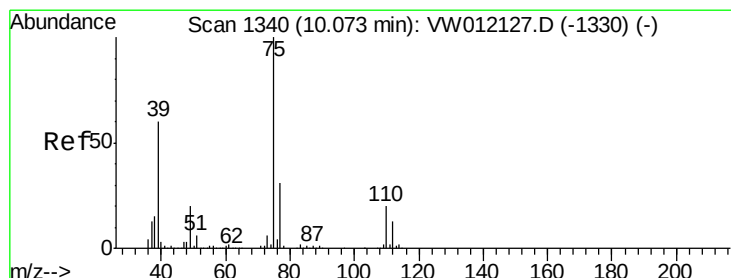
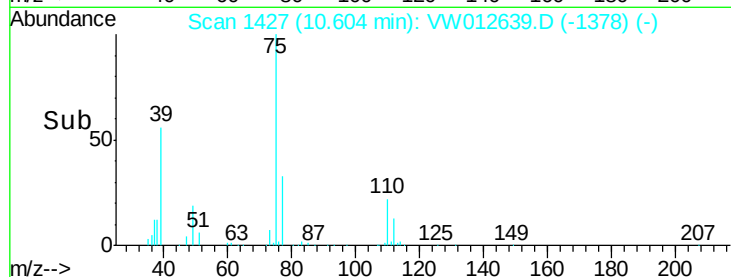
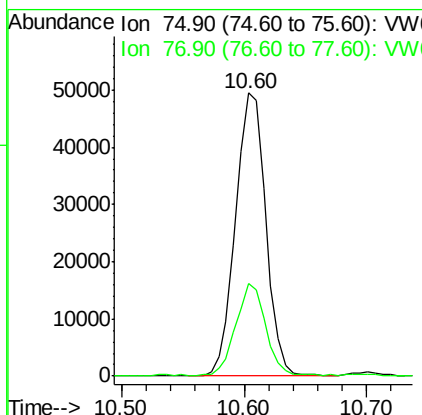
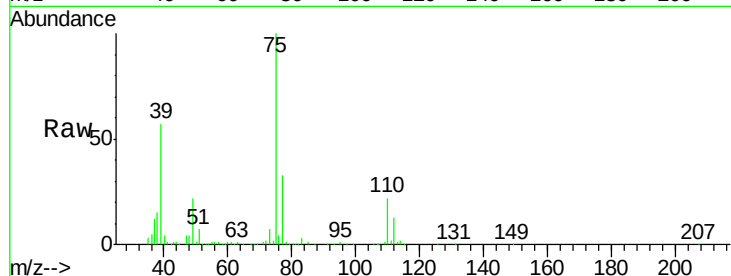
#53
t-1,3-Dichloropropene
Concen: 24.278 ug/l
RT: 10.60 min Scan# 1427
Delta R.T. -0.00 min
Lab File: VW012639.D
Acq: 05 Sep 2019 14:36

Instrument :
MSVOA_W
ClientSampleId :
VW0905SBS03

Tot Ion	Ratio	Lower	Upper
75	100		
77	32.6	25.0	37.4

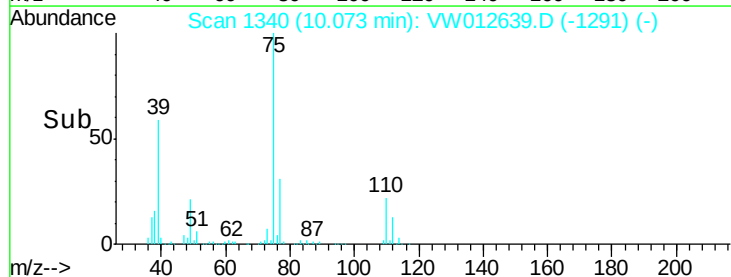
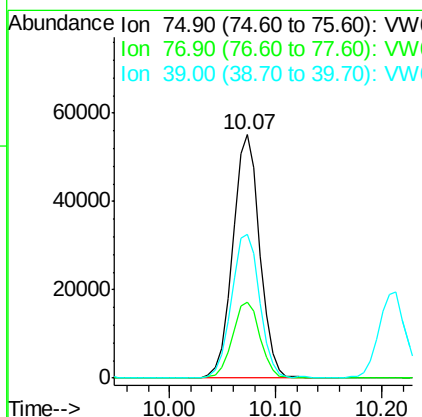
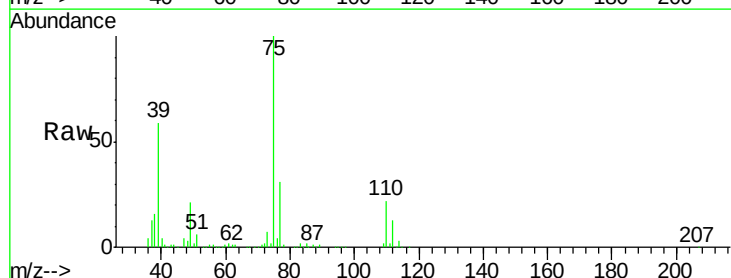
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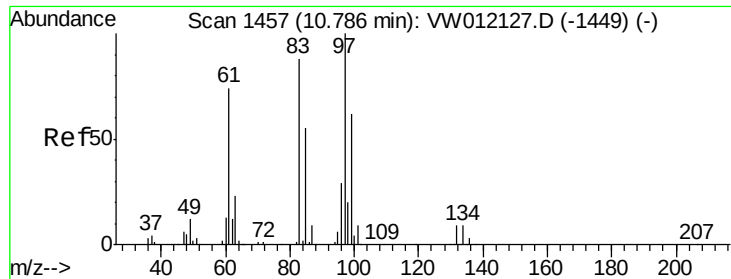
MMDadoda
9/6/2019 12:29:31 PM



#54
cis-1,3-Dichloropropene
Concen: 23.201 ug/l
RT: 10.07 min Scan# 1340
Delta R.T. -0.00 min
Lab File: VW012639.D
Acq: 05 Sep 2019 14:36

Tgt Ion	Ratio	Lower	Upper
75	100		
77	31.3	25.1	37.7
39	58.7	48.3	72.5





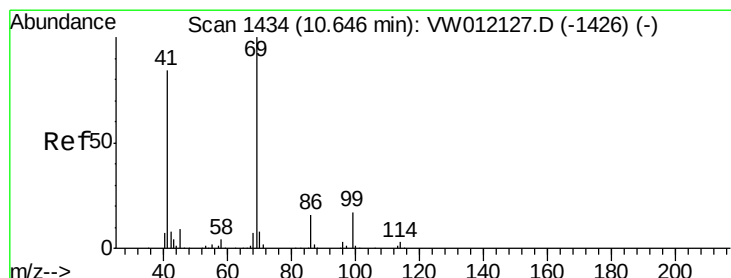
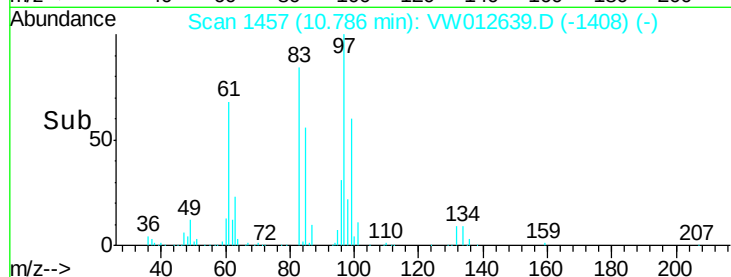
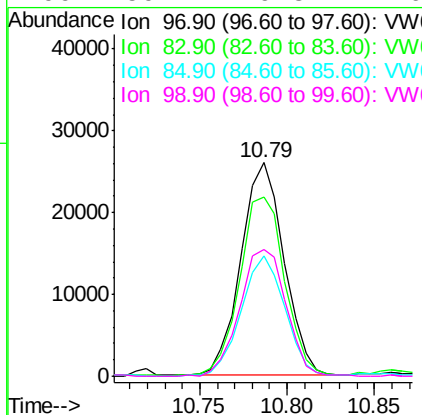
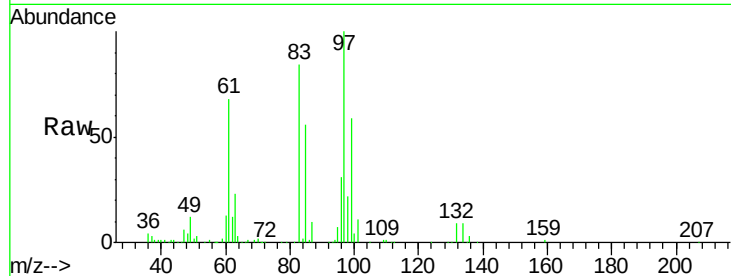
#55
 1,1,2-Trichloroethane
 Concen: 24.406 ug/l
 RT: 10.79 min Scan# 1457
 Delta R.T. -0.00 min
 Lab File: VW012639.D
 Acq: 05 Sep 2019 14:36

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0905SBS03

Tot Ion:	97	Resp:	44552
Ion	Ratio	Lower	Upper
97	100		
83	84.0	70.8	106.2
85	56.1	43.8	65.8
99	59.1	49.8	74.6

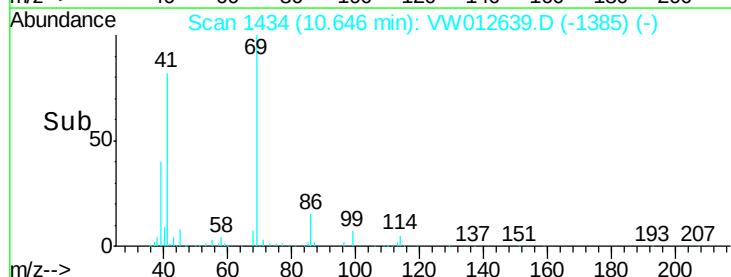
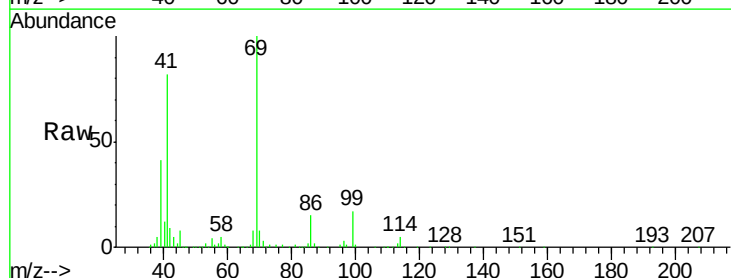
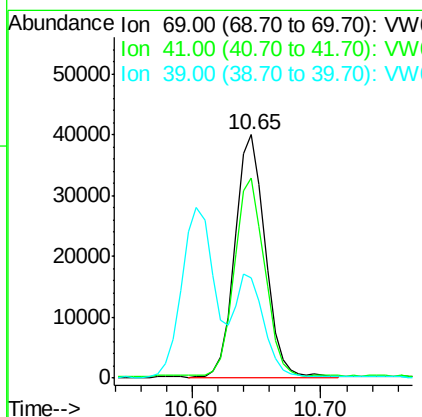
Manual Integrations
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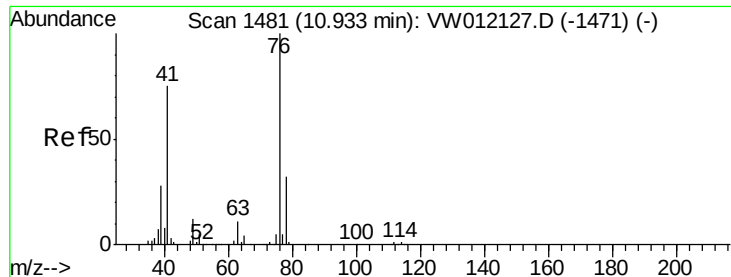
MMDadoda
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#56
 Ethyl methacrylate
 Concen: 24.262 ug/l
 RT: 10.65 min Scan# 1434
 Delta R.T. -0.00 min
 Lab File: VW012639.D
 Acq: 05 Sep 2019 14:36

Tgt Ion:	69	Resp:	64457
Ion	Ratio	Lower	Upper
69	100		
41	81.6	66.5	99.7
39	39.2	31.0	46.4





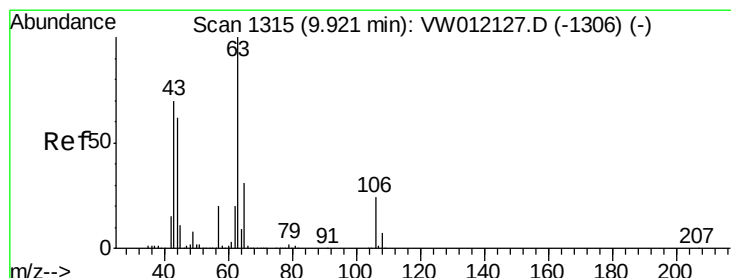
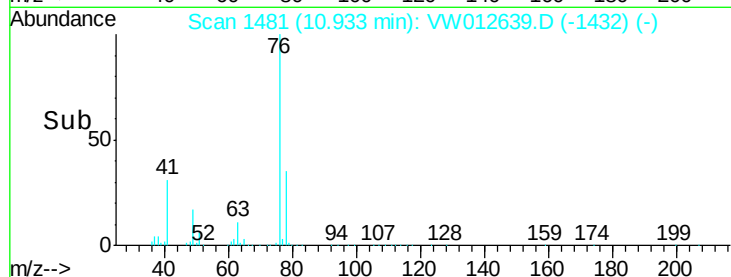
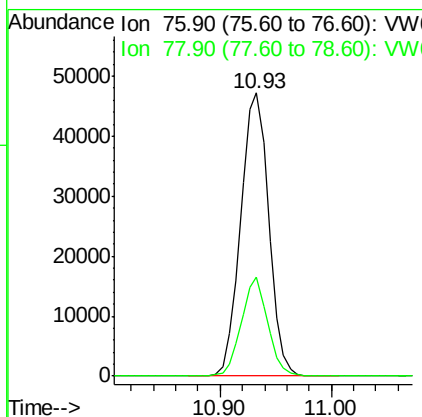
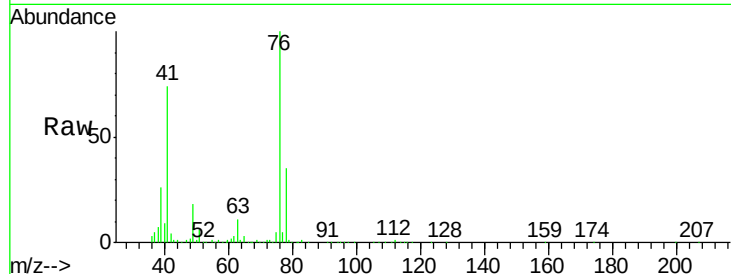
#57
 1,3-Dichloropropane
 Concen: 23.933 ug/l
 RT: 10.93 min Scan# 1481
 Delta R.T. -0.00 min
 Lab File: VW012639.D
 Acq: 05 Sep 2019 14:36

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0905SBS03

Tot Ion: 76 Resp: 82559
 Ion Ratio Lower Upper
 76 100
 78 32.9 25.8 38.8

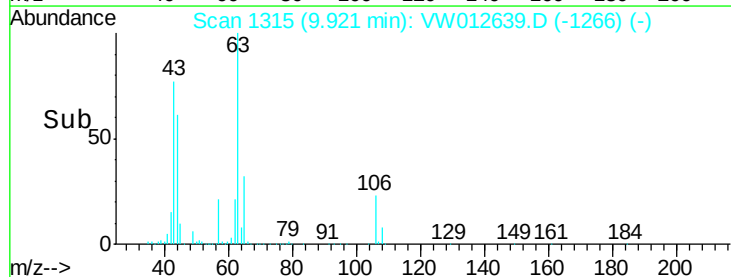
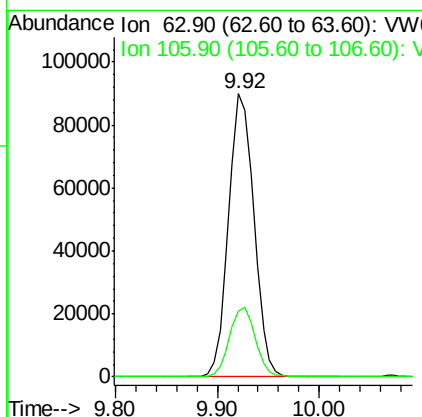
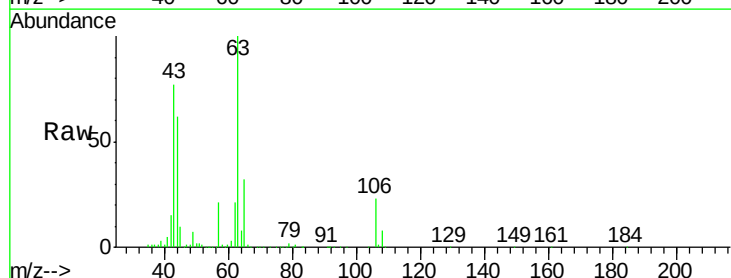
Manual Integrations
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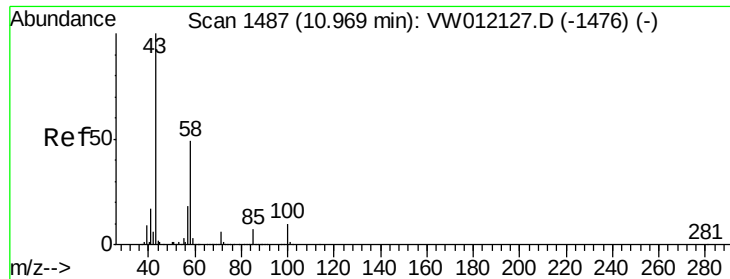
MMDadoda
 9/6/2019 12:29:31 PM



#58
 2-Chloroethyl Vinyl ether
 Concen: 113.765 ug/l
 RT: 9.92 min Scan# 1315
 Delta R.T. -0.00 min
 Lab File: VW012639.D
 Acq: 05 Sep 2019 14:36

Tgt Ion: 63 Resp: 155118
 Ion Ratio Lower Upper
 63 100
 106 24.8 19.8 29.8





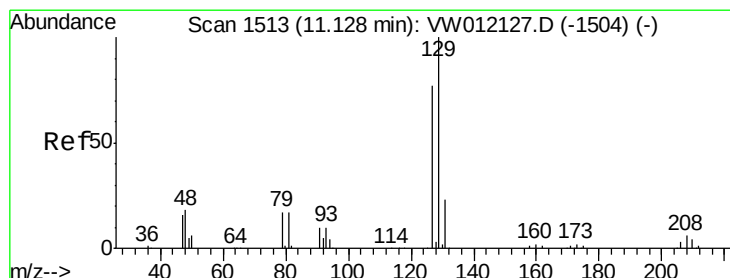
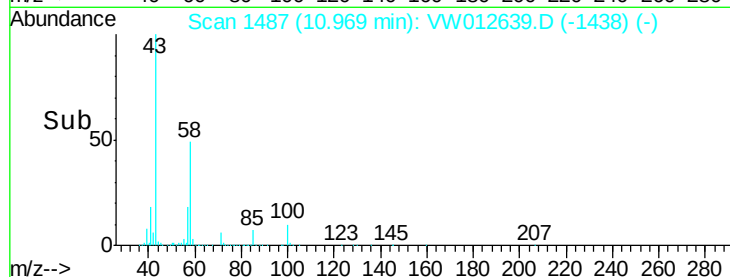
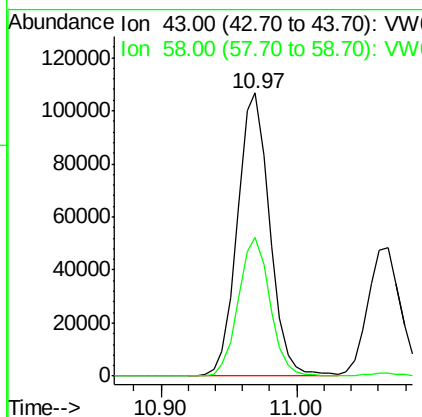
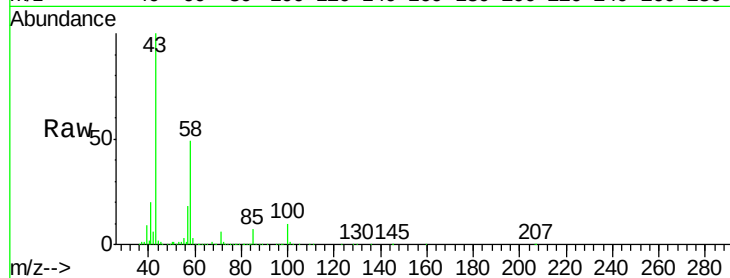
#59
2-Hexanone
Concen: 121.971 ug/l
RT: 10.97 min Scan# 1487
Delta R.T. -0.00 min
Lab File: VW012639.D
Acq: 05 Sep 2019 14:36

Instrument :
MSVOA_W
ClientSampleId :
VW0905SBS03

Tot Ion: 43 Resp: 175812
Ion Ratio Lower Upper
43 100
58 48.3 24.3 72.9

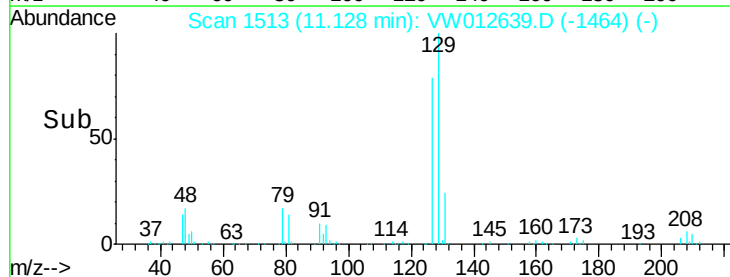
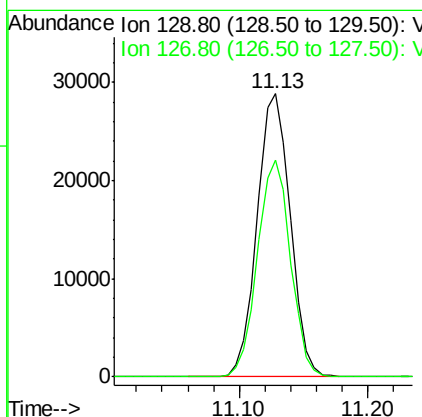
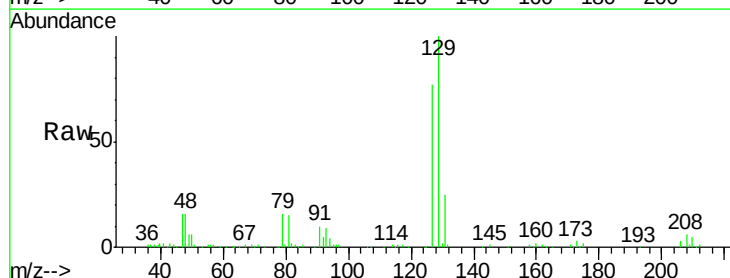
Manual Integrations
APPROVED

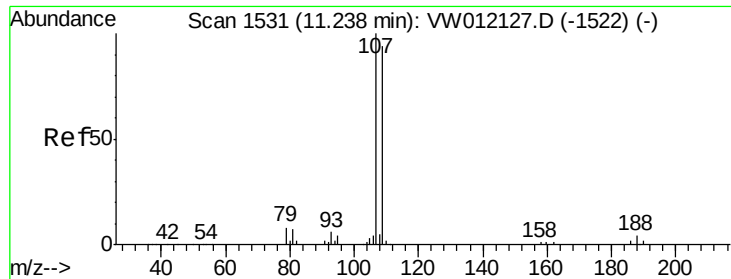
MMDadoda
9/6/2019 12:29:31 PM



#60
Dibromochloromethane
Concen: 25.253 ug/l
RT: 11.13 min Scan# 1513
Delta R.T. -0.00 min
Lab File: VW012639.D
Acq: 05 Sep 2019 14:36

Tgt Ion: 129 Resp: 51345
Ion Ratio Lower Upper
129 100
127 76.4 38.6 115.8





#61

1,2-Dibromoethane

Concen: 24.604 ug/l

RT: 11.23 min Scan# 1530

Delta R.T. -0.01 min

Lab File: VW012639.D

Acq: 05 Sep 2019 14:36

Instrument :

MSVOA_W

ClientSampleId :

VW0905SBSD03

Tot Ion: 107 Resp: 41841

Ion Ratio Lower Upper

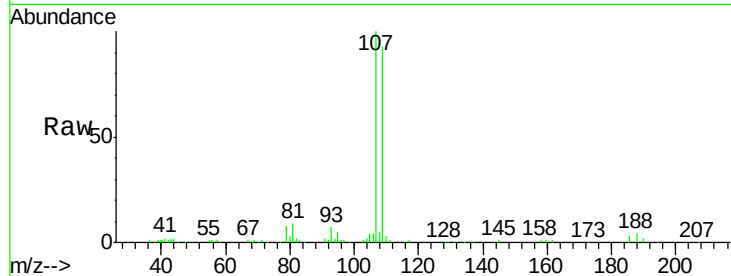
107 100

109 91.9 75.4 113.2

Manual Integrations
APPROVED

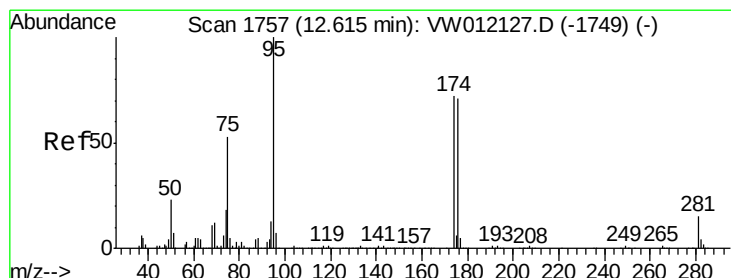
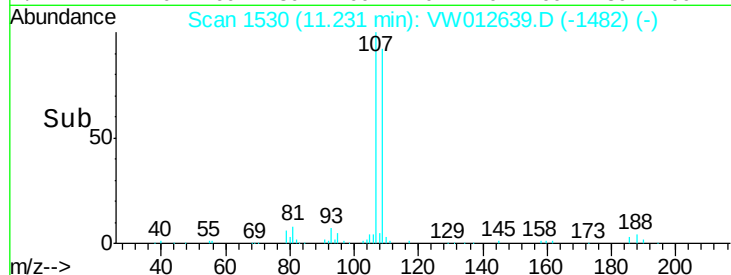
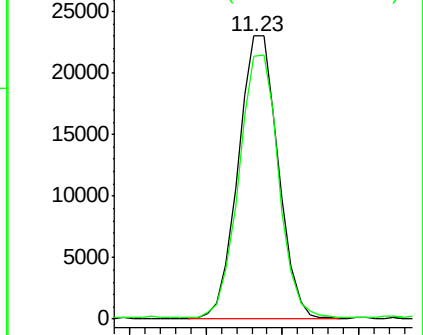
MMDadoda

9/6/2019 12:29:31 PM



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V



#62

4-Bromofluorobenzene

Concen: 50.701 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. -0.00 min

Lab File: VW012639.D

Acq: 05 Sep 2019 14:36

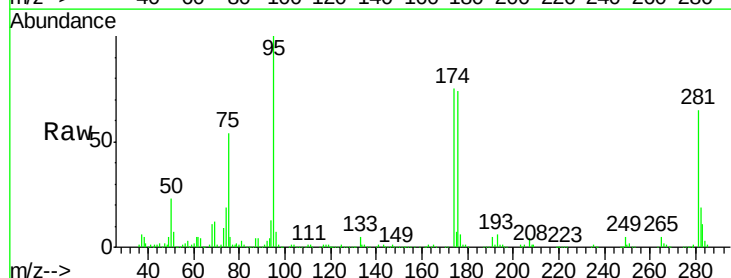
Tgt Ion: 95 Resp: 165163

Ion Ratio Lower Upper

95 100

174 79.0 0.0 150.8

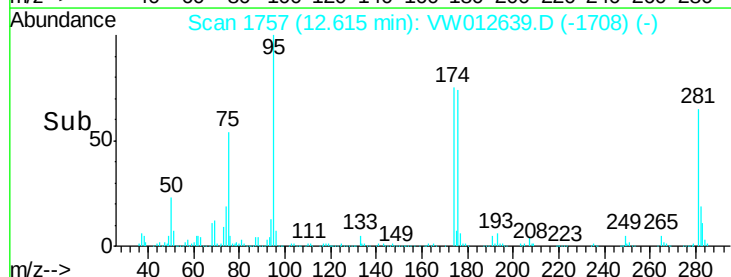
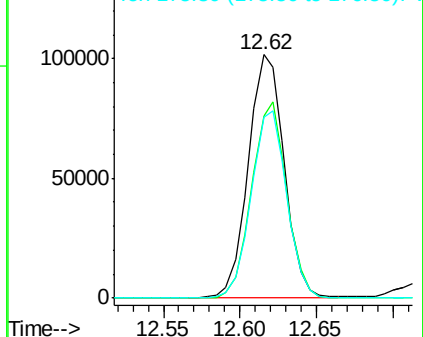
176 76.4 0.0 148.6

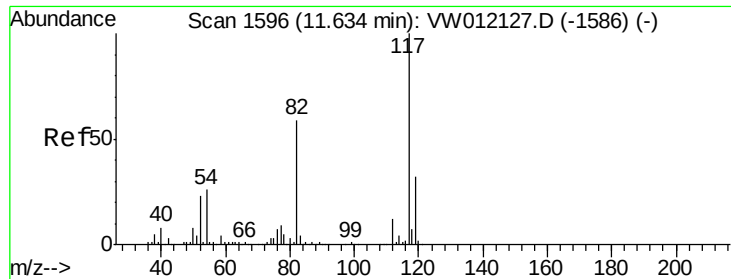


Abundance Ion 94.90 (94.60 to 95.60): VW

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V





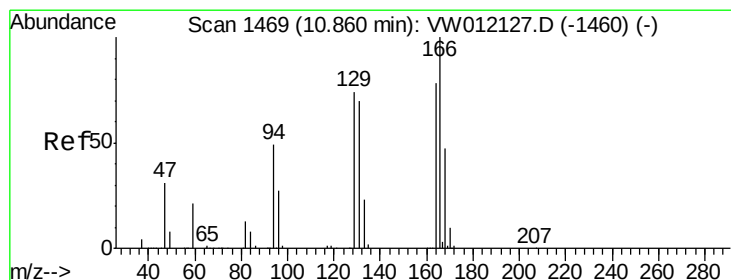
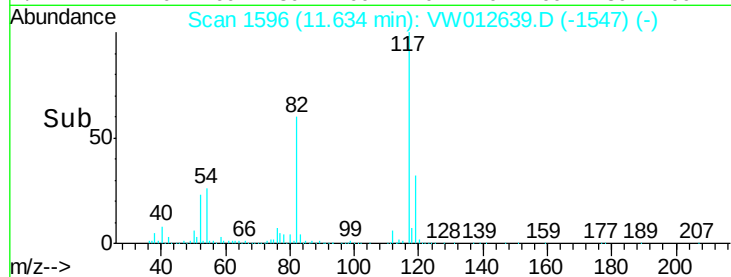
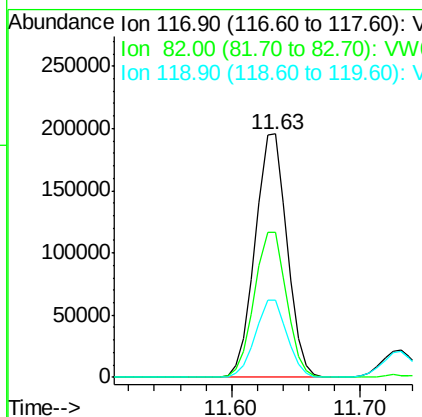
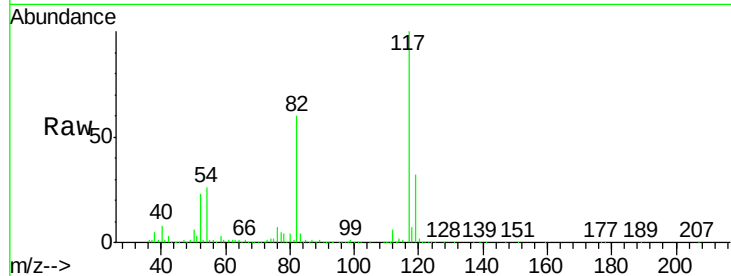
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1596
Delta R.T. -0.00 min
Lab File: VW012639.D
Acq: 05 Sep 2019 14:36

Instrument :
MSVOA_W
ClientSampleId :
VW0905SBSD03

Tot Ion	Ratio	Resp	Lower	Upper
117	100	334783		
82	59.4	47.4	71.2	
119	31.6	25.4	38.2	

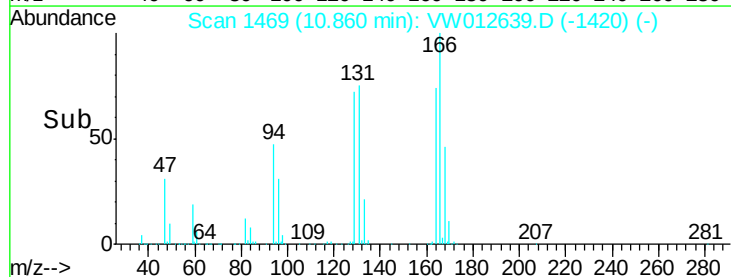
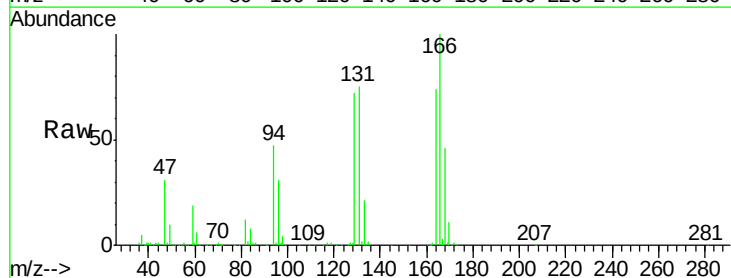
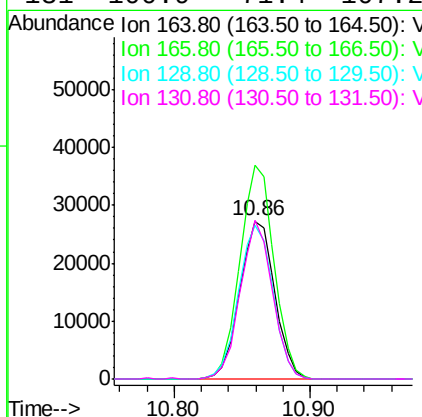
Manual Integrations
APPROVED

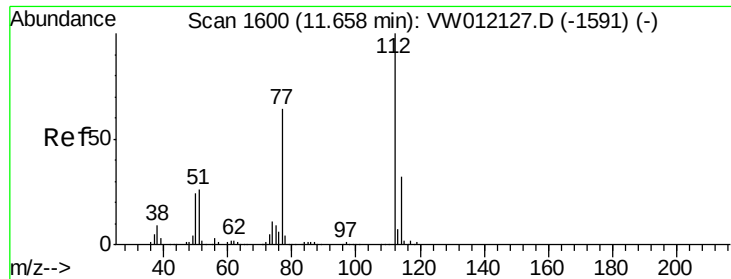
MMDadoda
9/6/2019 12:29:31 PM



#64
Tetrachloroethene
Concen: 22.486 ug/l
RT: 10.86 min Scan# 1469
Delta R.T. -0.00 min
Lab File: VW012639.D
Acq: 05 Sep 2019 14:36

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	48805		
166	135.4	102.4	153.6	
129	97.6	75.8	113.6	
131	100.9	71.4	107.2	





#65

Chlorobenzene

Concen: 23.604 ug/l

RT: 11.66 min Scan# 1600

Delta R.T. -0.00 min

Lab File: VW012639.D

Acq: 05 Sep 2019 14:36

Instrument :

MSVOA_W

ClientSampleId :

VW0905SBS03

Tot Ion:112 Resp: 155600

Ion Ratio Lower Upper

112 100

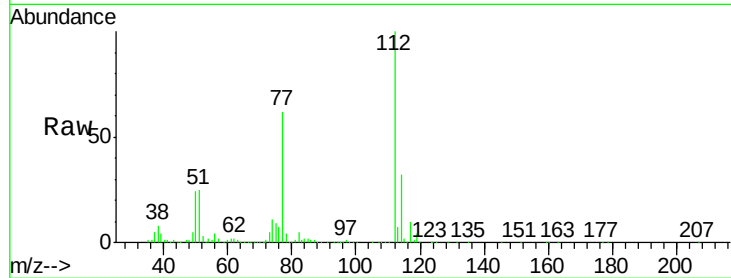
114 31.7 25.8 38.6

Manual Integrations

APPROVED

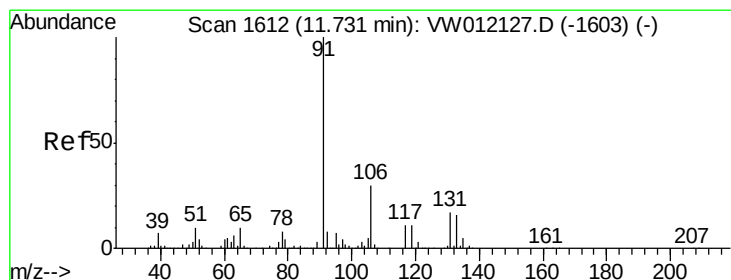
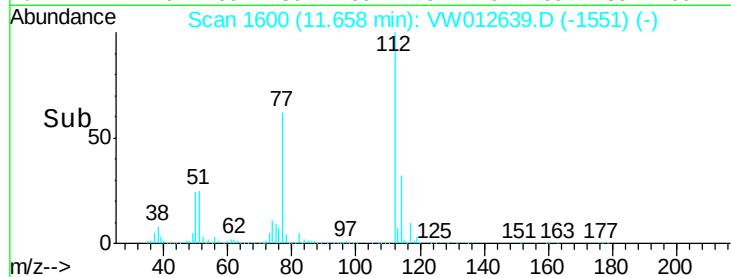
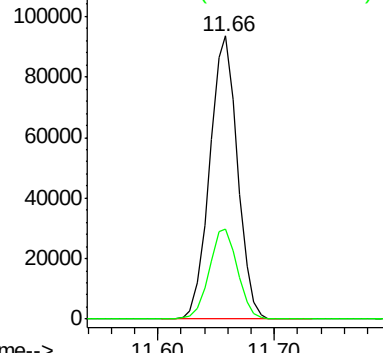
MMDadoda

9/6/2019 12:29:31 PM



Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V



#66

1,1,1,2-Tetrachloroethane

Concen: 24.671 ug/l

RT: 11.73 min Scan# 1612

Delta R.T. -0.00 min

Lab File: VW012639.D

Acq: 05 Sep 2019 14:36

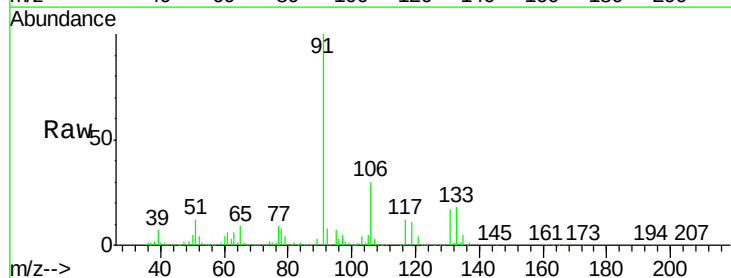
Tgt Ion:131 Resp: 56736

Ion Ratio Lower Upper

131 100

133 96.9 47.1 141.3

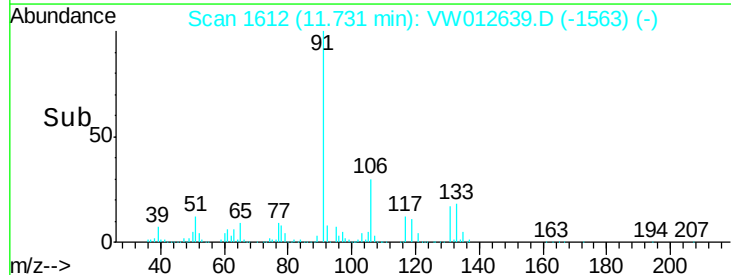
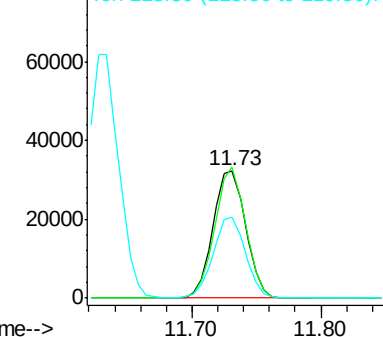
119 62.5 31.8 95.3

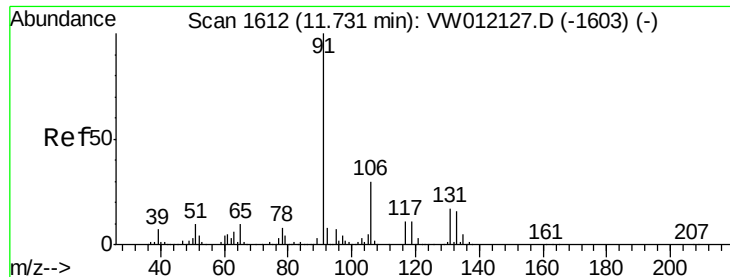


Abundance Ion 130.80 (130.50 to 131.50): V

Ion 132.80 (132.50 to 133.50): V

Ion 118.80 (118.50 to 119.50): V





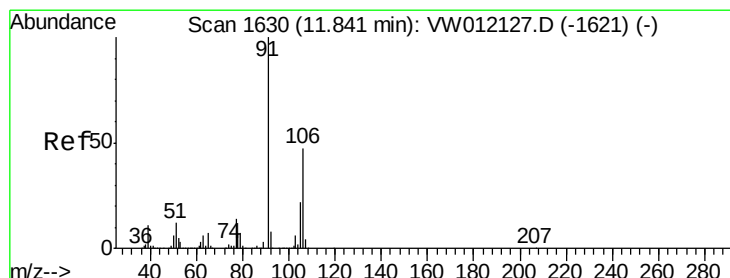
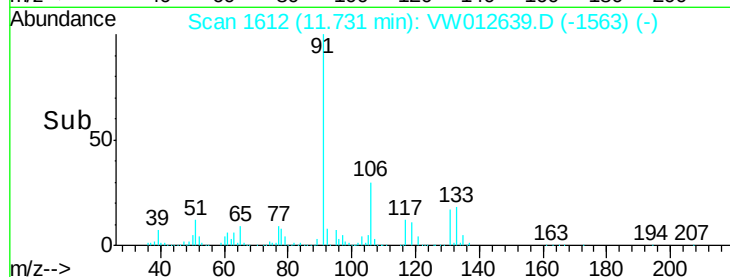
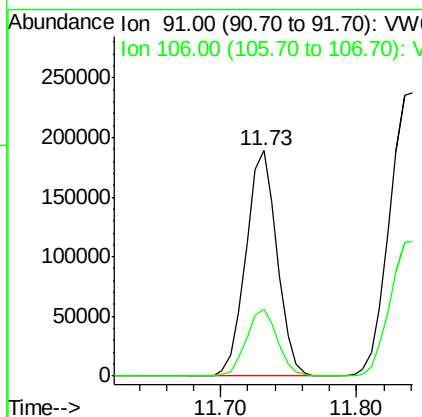
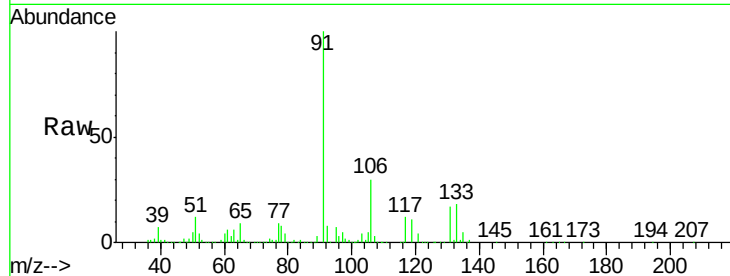
#67
Ethyl Benzene
Concen: 23.838 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. -0.00 min
Lab File: VW012639.D
Acq: 05 Sep 2019 14:36

Instrument :
MSVOA_W
ClientSampleId :
VW0905SBSD03

Tot Ion	Ratio	Lower	Upper
91	100		
106	29.7	24.3	36.5

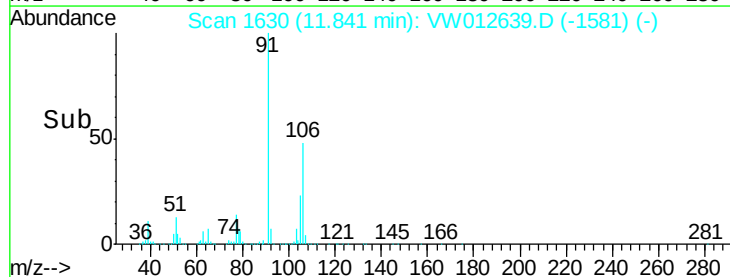
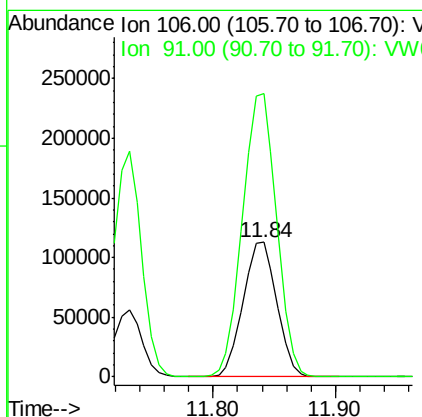
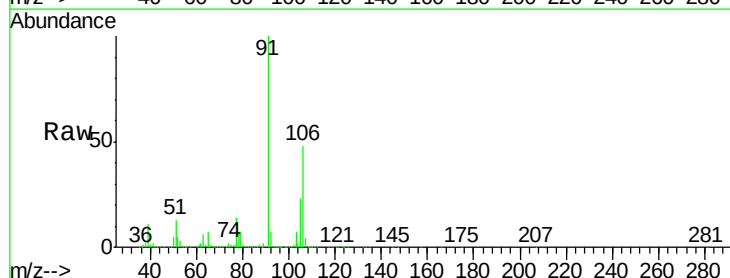
Manual Integrations
APPROVED

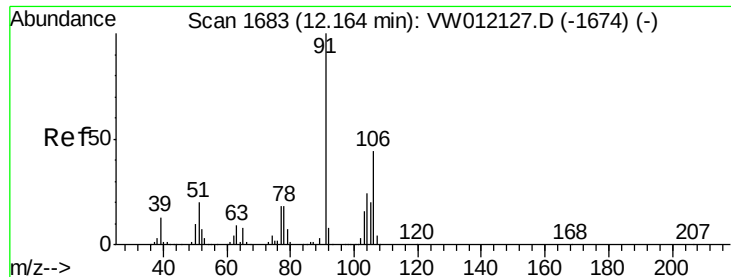
MMDadoda
9/6/2019 12:29:31 PM



#68
m/p-Xylenes
Concen: 47.343 ug/l
RT: 11.84 min Scan# 1630
Delta R.T. -0.00 min
Lab File: VW012639.D
Acq: 05 Sep 2019 14:36

Tgt Ion	Ratio	Lower	Upper
106	100		
91	211.5	169.5	254.3





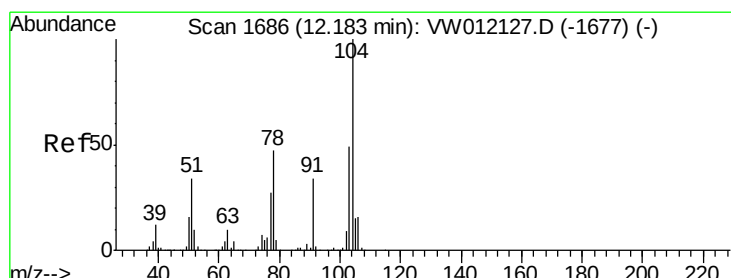
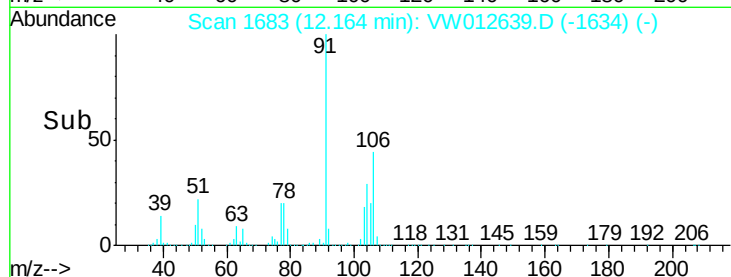
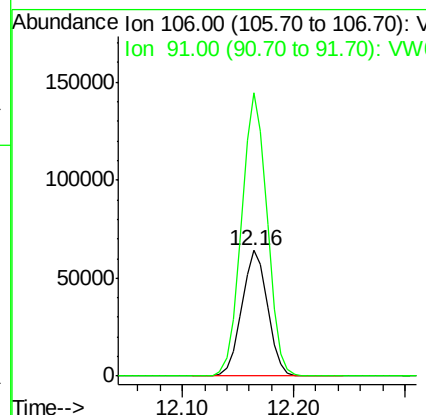
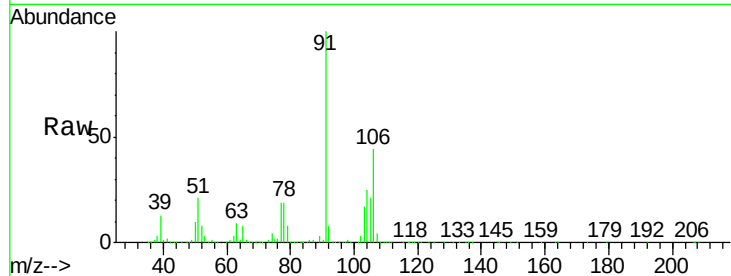
#69
o-Xylene
Concen: 24.181 ug/l
RT: 12.16 min Scan# 1683
Delta R.T. -0.00 min
Lab File: VW012639.D
Acq: 05 Sep 2019 14:36

Instrument :
MSVOA_W
ClientSampleId :
VW0905SBSD03

Tot Ion:106 Resp: 102372
Ion Ratio Lower Upper
106 100
91 223.5 111.6 334.6

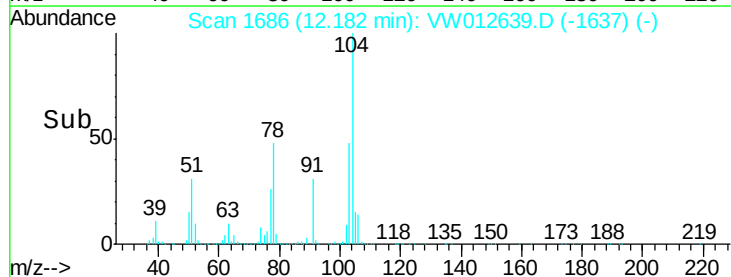
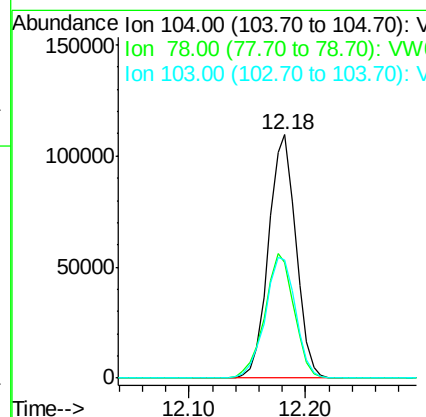
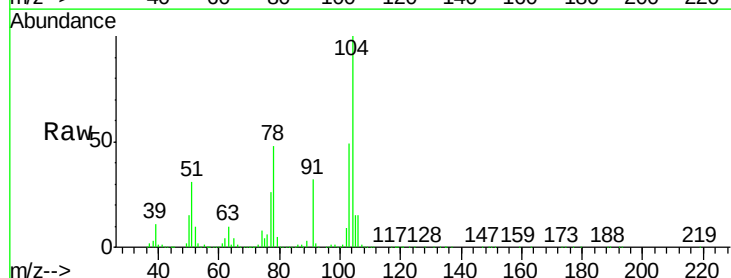
Manual Integrations
APPROVED

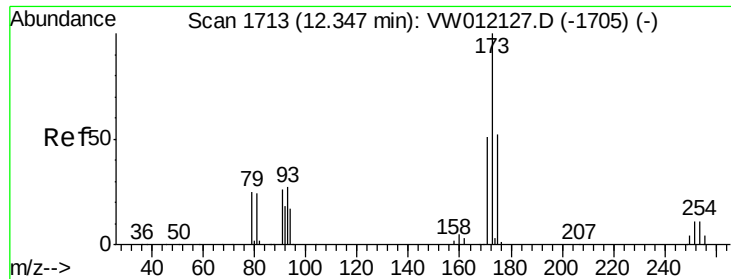
MMDadoda
9/6/2019 12:29:31 PM



#70
Styrene
Concen: 24.243 ug/l
RT: 12.18 min Scan# 1686
Delta R.T. -0.00 min
Lab File: VW012639.D
Acq: 05 Sep 2019 14:36

Tgt Ion:104 Resp: 177649
Ion Ratio Lower Upper
104 100
78 55.4 43.1 64.7
103 55.3 43.5 65.3





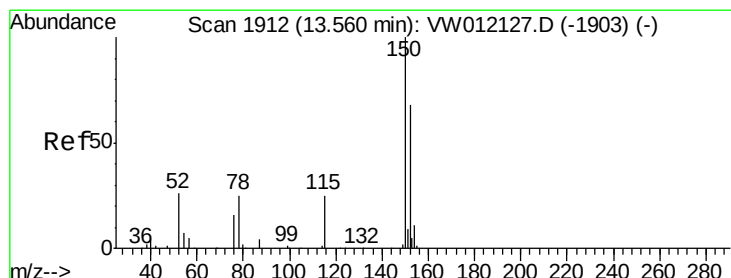
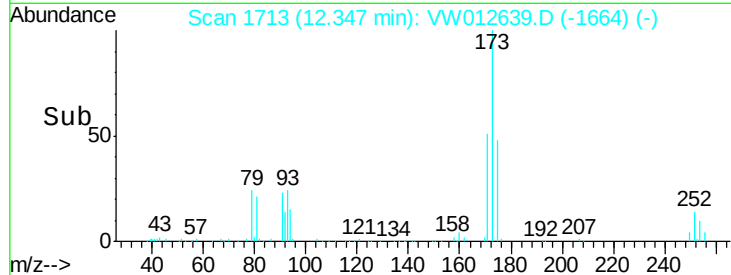
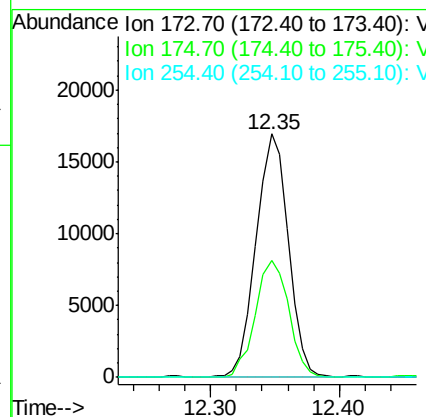
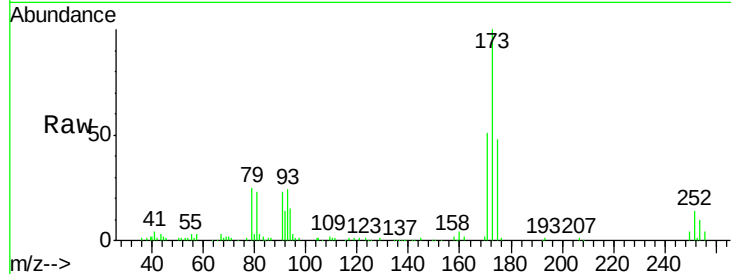
#71
Bromoform
Concen: 25.695 ug/l
RT: 12.35 min Scan# 1713
Delta R.T. -0.00 min
Lab File: VW012639.D
Acq: 05 Sep 2019 14:36

Instrument :
MSVOA_W
ClientSampleId :
VW0905SBS03

Tot Ion	Ion	Ratio	Resp	Lower	Upper
173	100		29441		
175	49.6	24.6	74.0		
254	0.0	0.2	0.2		

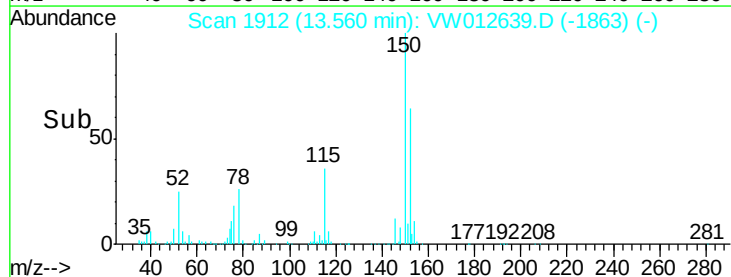
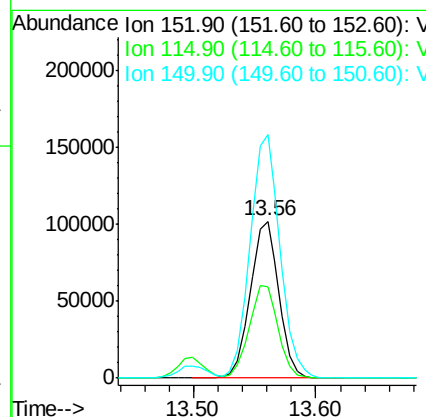
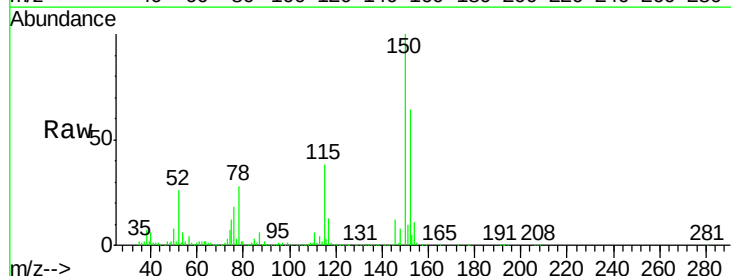
Manual Integrations
APPROVED

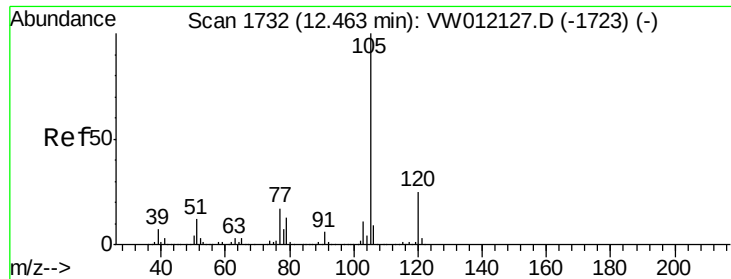
MMDadoda
9/6/2019 12:29:31 PM



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.56 min Scan# 1912
Delta R.T. -0.00 min
Lab File: VW012639.D
Acq: 05 Sep 2019 14:36

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
152	100		164680		
115	59.7	30.1	90.3		
150	162.9	0.0	345.8		





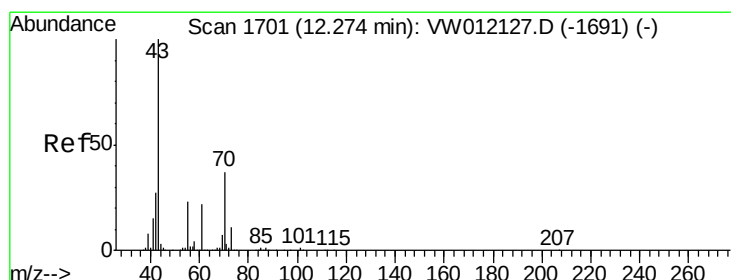
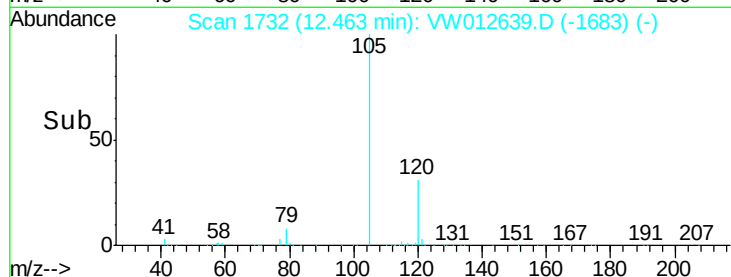
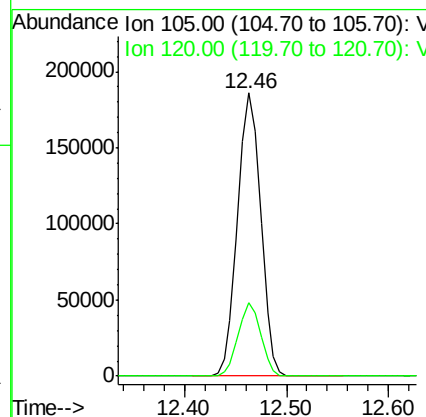
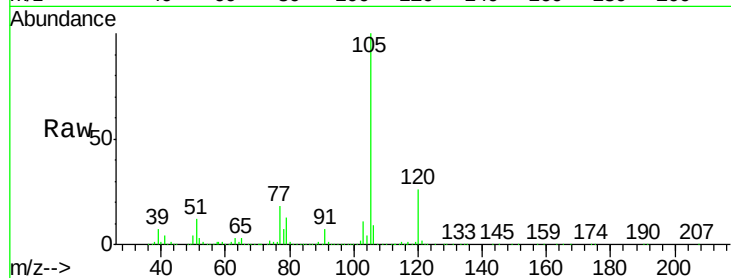
#73
Isopropylbenzene
Concen: 23.734 ug/l
RT: 12.46 min Scan# 1732
Delta R.T. -0.00 min
Lab File: VW012639.D
Acq: 05 Sep 2019 14:36

Instrument :
MSVOA_W
ClientSampleId :
VW0905SBS03

Tot Ion	Ratio	Resp	Lower	Upper
105	100	292865		
120	25.3		12.5	37.5

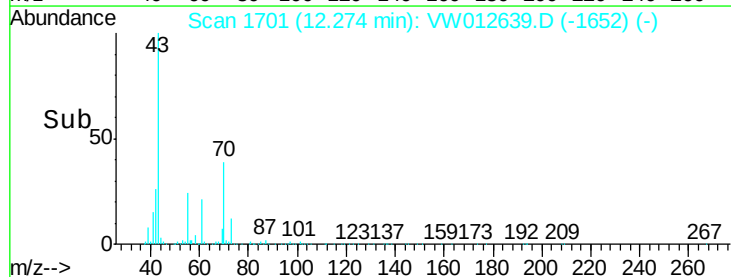
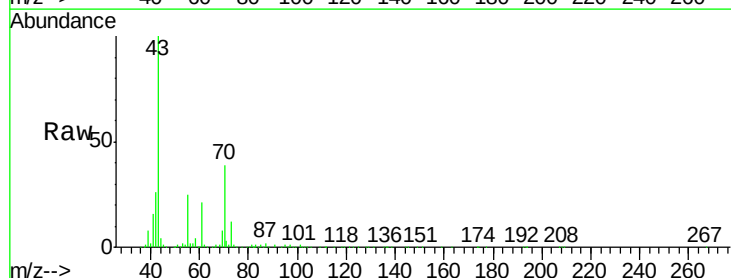
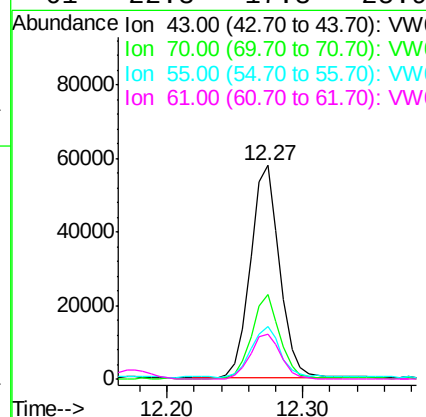
Manual Integrations
APPROVED

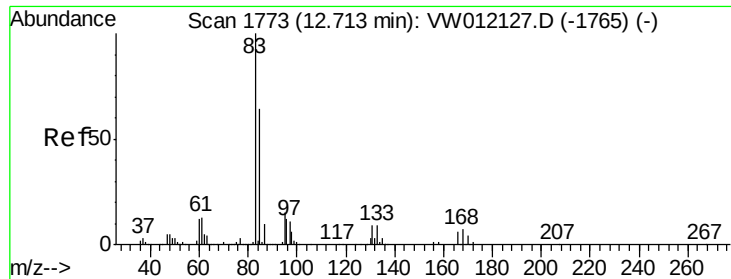
MMDadoda
9/6/2019 12:29:31 PM



#74
N-ethyl acetate
Concen: 23.377 ug/l
RT: 12.27 min Scan# 1701
Delta R.T. -0.00 min
Lab File: VW012639.D
Acq: 05 Sep 2019 14:36

Tgt Ion	Ratio	Resp	Lower	Upper
43	100	87155		
70	37.8		28.6	43.0
55	23.7		17.8	26.6
61	22.3		17.3	25.9





#75

1,1,2,2-Tetrachloroethane

Concen: 23.446 ug/l

RT: 12.71 min Scan# 1773

Delta R.T. -0.00 min

Lab File: VW012639.D

Acq: 05 Sep 2019 14:36

Instrument :

MSVOA_W

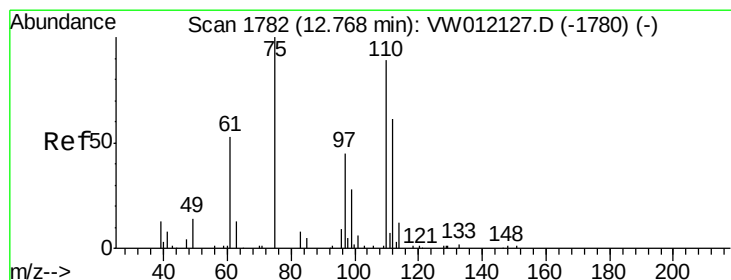
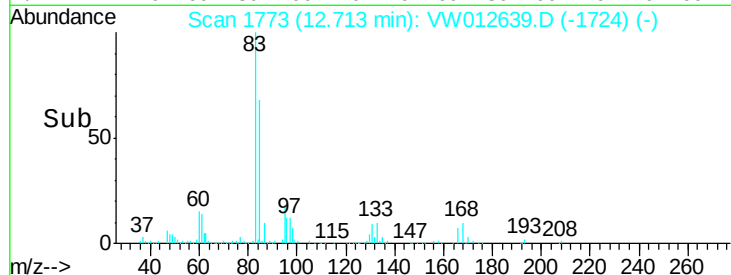
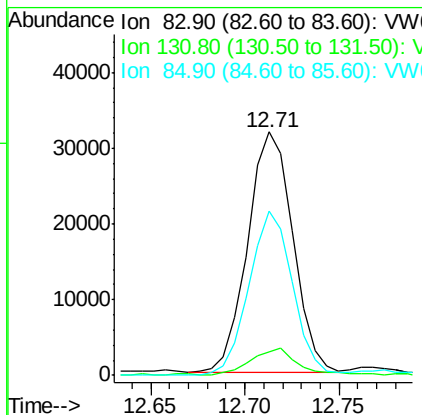
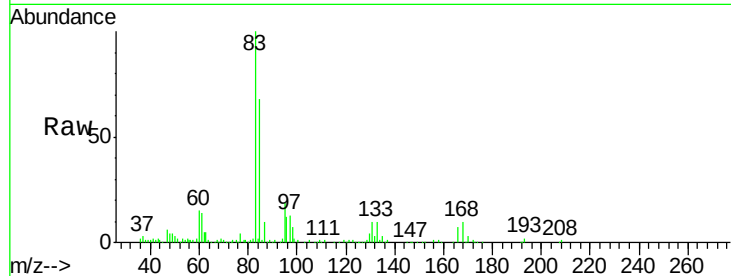
ClientSampleId :

VW0905SBSD03

Tot Ion:	83	Resp:	53040
Ion Ratio	Lower	Upper	
83	100		
131	11.2	4.9	14.7
85	65.4	31.9	95.7

Manual Integrations
APPROVED

MMDadoda
9/6/2019 12:29:31 PM



#76

1,2,3-Trichloropropane

Concen: 28.509 ug/l m

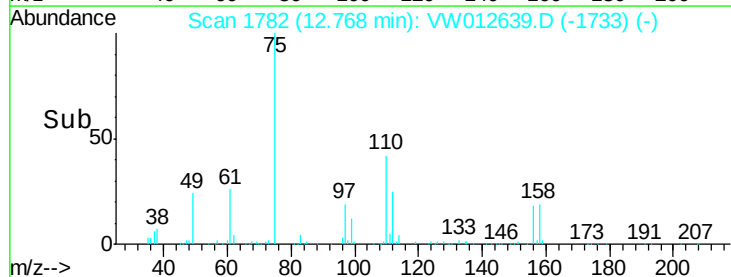
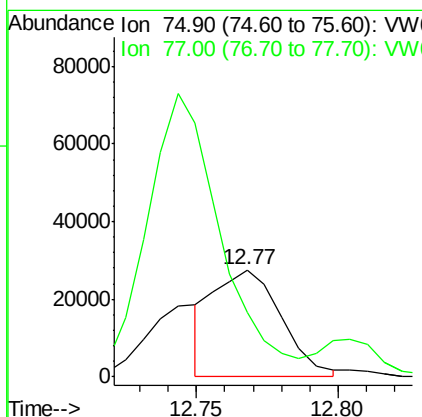
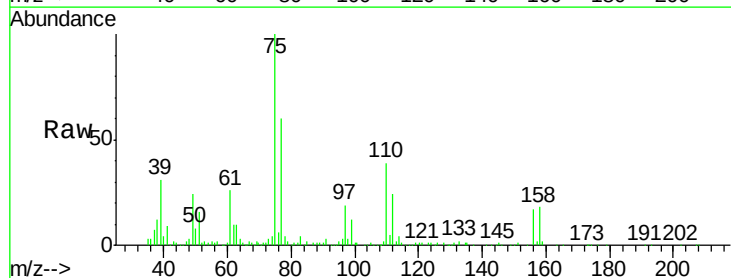
RT: 12.77 min Scan# 1782

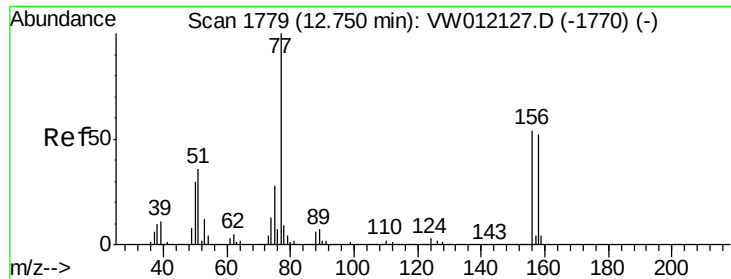
Delta R.T. -0.00 min

Lab File: VW012639.D

Acq: 05 Sep 2019 14:36

Tgt Ion:	75	Resp:	45724
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





#77

Bromobenzene

Concen: 23.901 ug/l

RT: 12.75 min Scan# 1779

Delta R.T. -0.00 min

Lab File: VW012639.D

Acq: 05 Sep 2019 14:36

Instrument :

MSVOA_W

ClientSampleId :

VW0905SBS03

Tot Ion:156 Resp: 63806

Ion Ratio Lower Upper

156 100

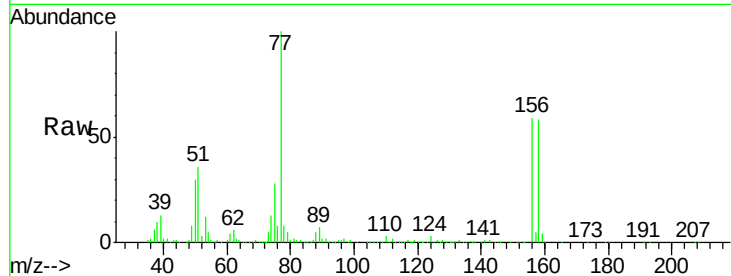
77 206.3 107.3 321.8

158 98.8 49.0 147.0

Manual Integrations
APPROVED

MMDadoda

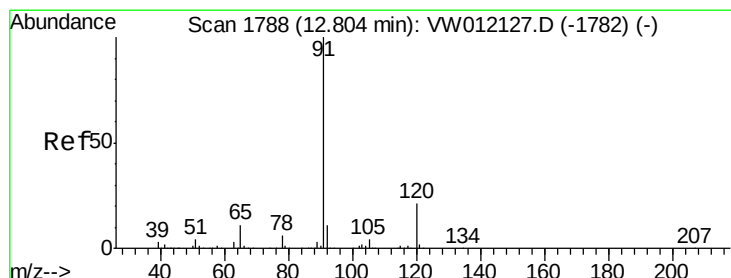
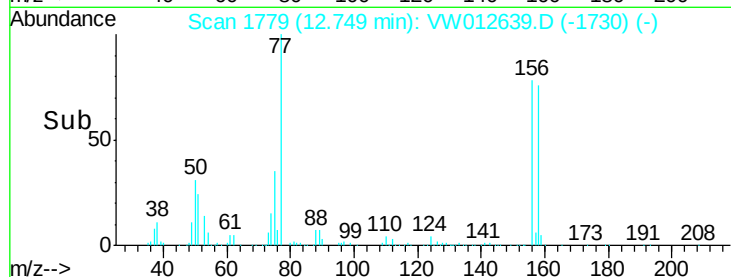
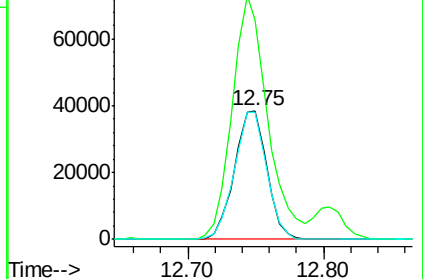
9/6/2019 12:29:31 PM



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VW

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 23.405 ug/l

RT: 12.80 min Scan# 1788

Delta R.T. -0.00 min

Lab File: VW012639.D

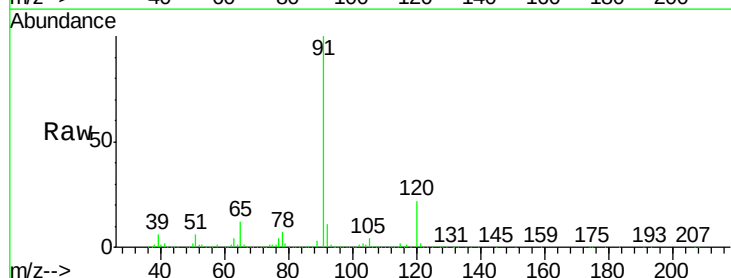
Acq: 05 Sep 2019 14:36

Tgt Ion: 91 Resp: 352584

Ion Ratio Lower Upper

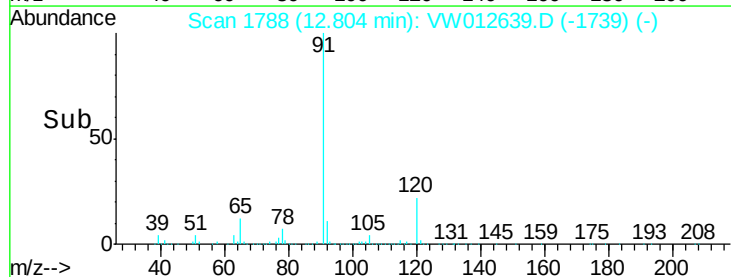
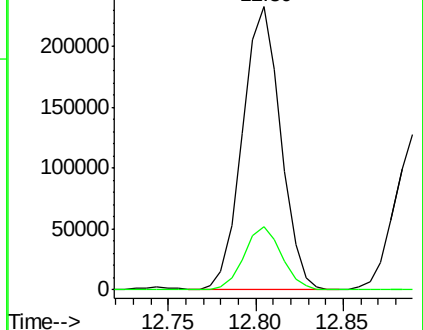
91 100

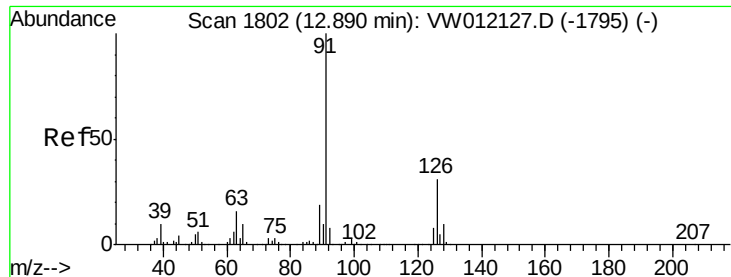
120 22.1 10.5 31.6



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 23.452 ug/l

RT: 12.89 min Scan# 1802

Delta R.T. -0.00 min

Lab File: VW012639.D

Acq: 05 Sep 2019 14:36

Instrument :

MSVOA_W

ClientSampleId :

VW0905SBSD03

Tot Ion: 91 Resp: 200574

Ion Ratio Lower Upper

91 100

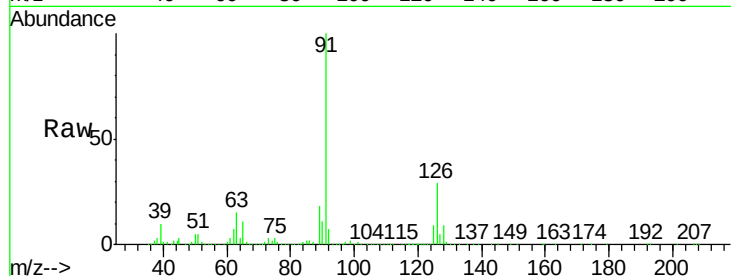
126 31.6 15.7 47.0

Manual Integrations

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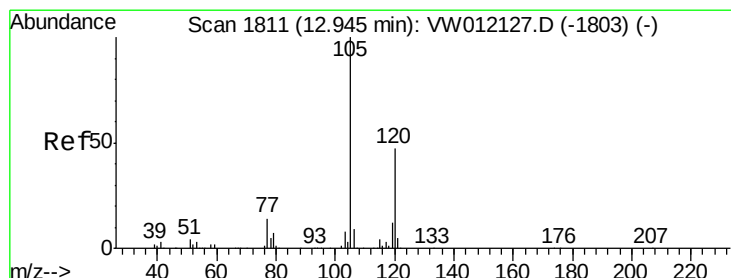
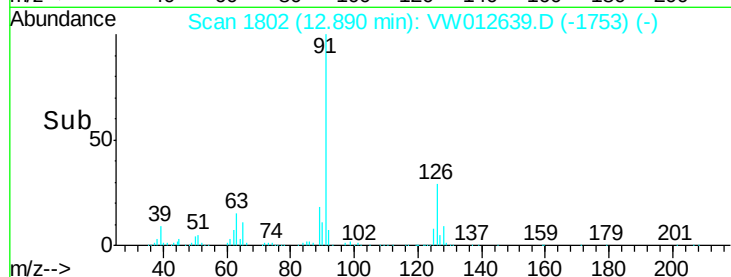
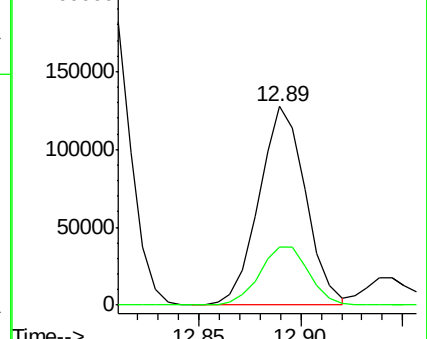
MMDadoda

9/6/2019 12:29:31 PM



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 125.90 (125.60 to 126.60): V



#80

1,3,5-Trimethylbenzene

Concen: 23.874 ug/l

RT: 12.94 min Scan# 1811

Delta R.T. -0.00 min

Lab File: VW012639.D

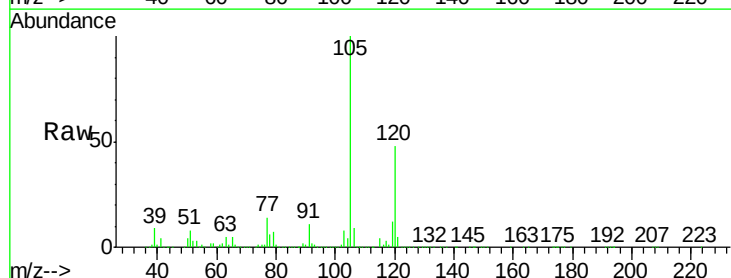
Acq: 05 Sep 2019 14:36

Tgt Ion:105 Resp: 246169

Ion Ratio Lower Upper

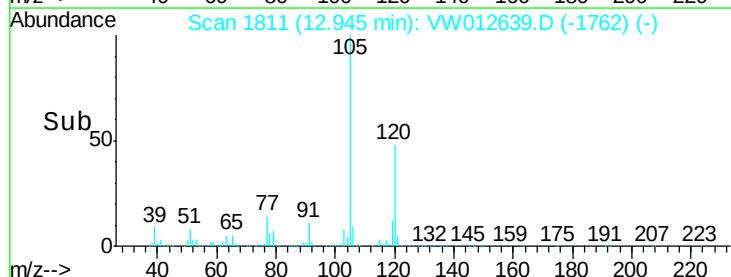
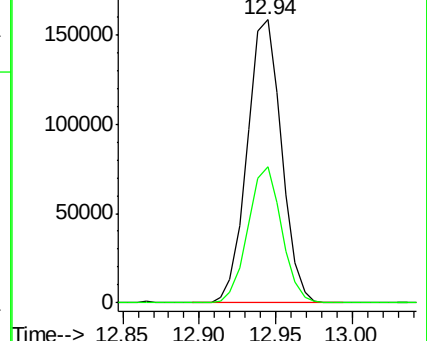
105 100

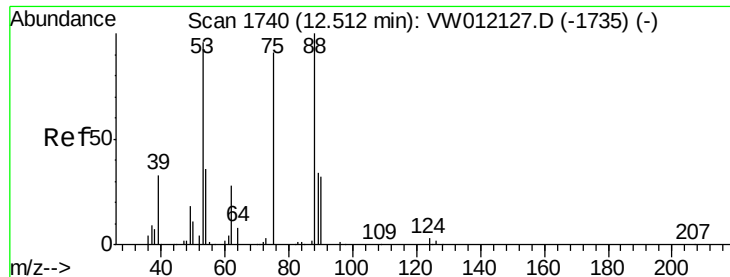
120 47.2 24.0 72.0



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





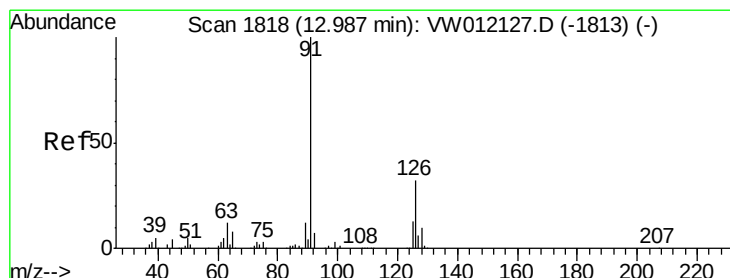
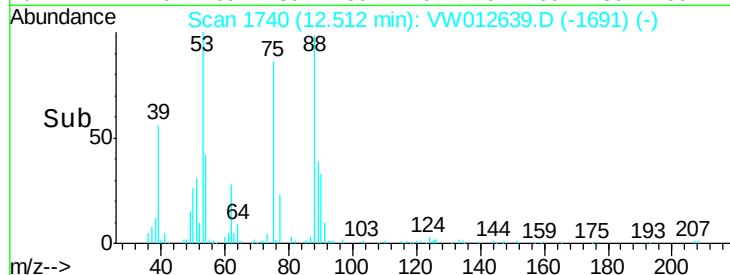
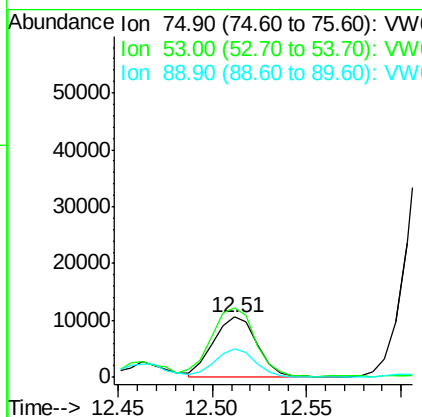
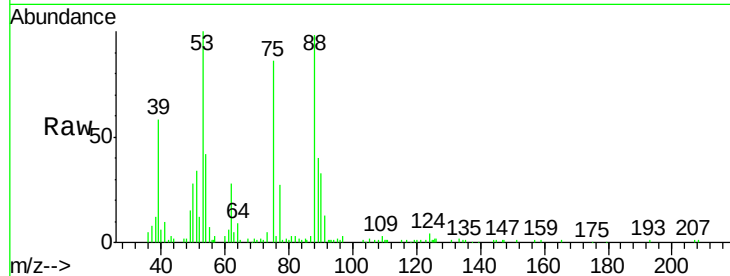
#81
trans-1,4-Dichloro-2-butene
Concen: 23.062 ug/l
RT: 12.51 min Scan# 1740
Delta R.T. -0.00 min
Lab File: VW012639.D
Acq: 05 Sep 2019 14:36

Instrument :
MSVOA_W
ClientSampleId :
VW0905SBSD03

Tot Ion	Ratio	Lower	Upper
75	100		
53	116.7	89.4	134.0
89	45.3	34.5	51.7

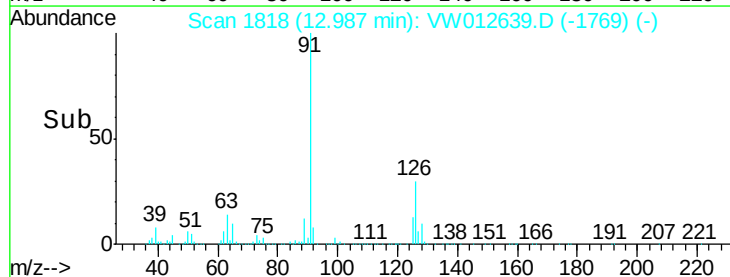
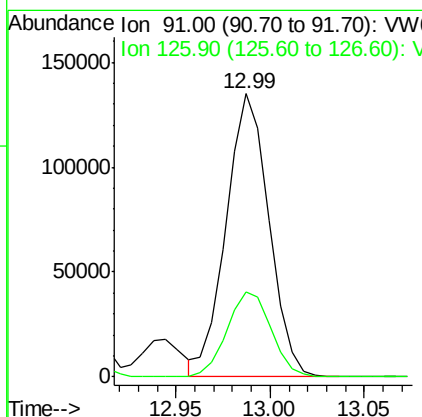
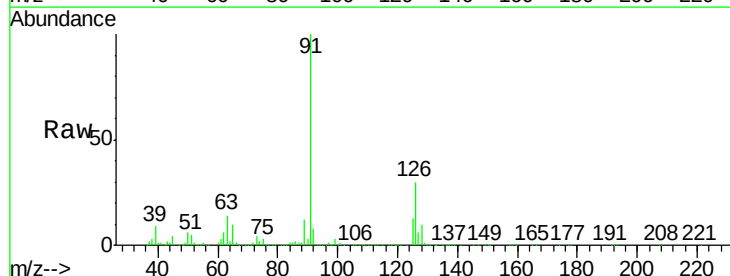
Manual Integrations
APPROVED

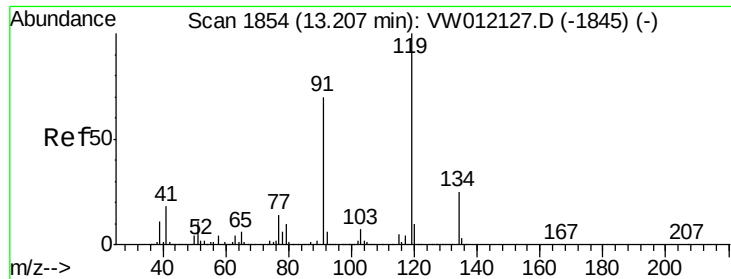
MMDadoda
9/6/2019 12:29:31 PM



#82
4-Chlorotoluene
Concen: 23.579 ug/l
RT: 12.99 min Scan# 1818
Delta R.T. -0.00 min
Lab File: VW012639.D
Acq: 05 Sep 2019 14:36

Tgt Ion	Ratio	Lower	Upper
91	100		
126	31.3	15.6	46.8





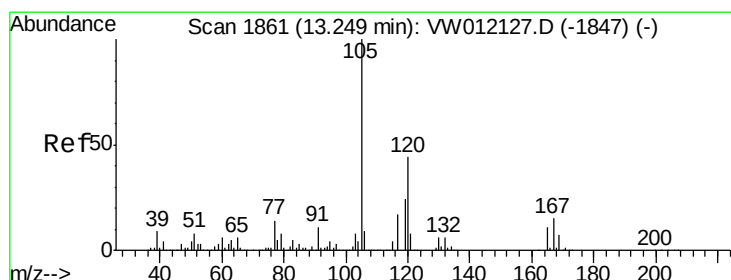
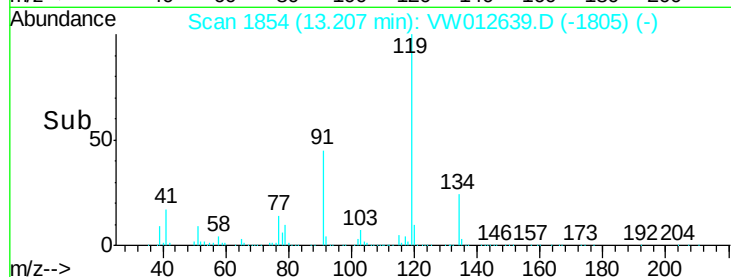
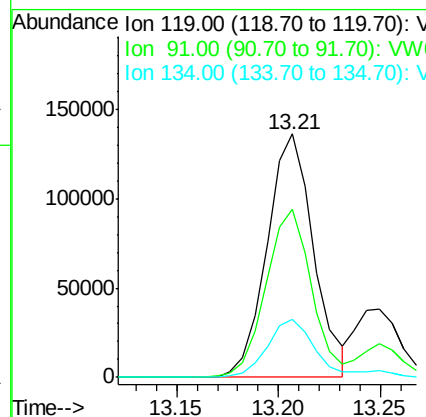
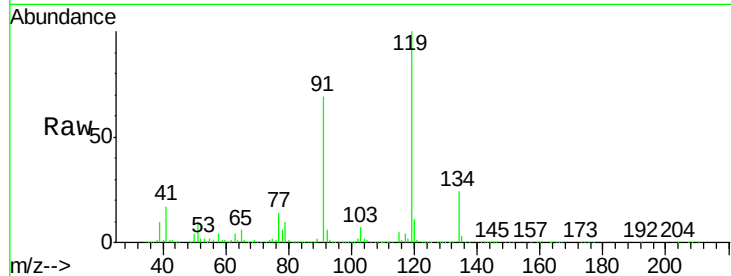
#83
tert-Butylbenzene
Concen: 24.780 ug/l
RT: 13.21 min Scan# 1854
Delta R.T. -0.00 min
Lab File: VW012639.D
Acq: 05 Sep 2019 14:36

Instrument :
MSVOA_W
ClientSampleId :
VW0905SBS03

Tot Ion	Ratio	Lower	Upper
119	100		
91	67.6	34.8	104.3
134	24.0	13.3	39.8

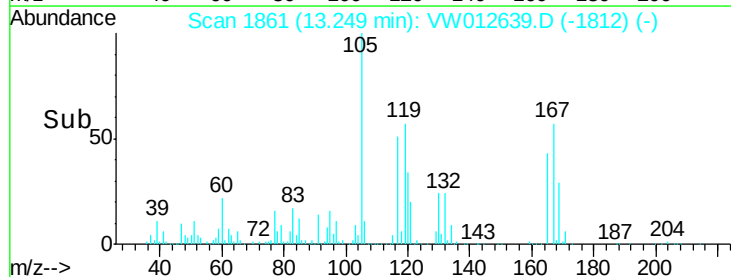
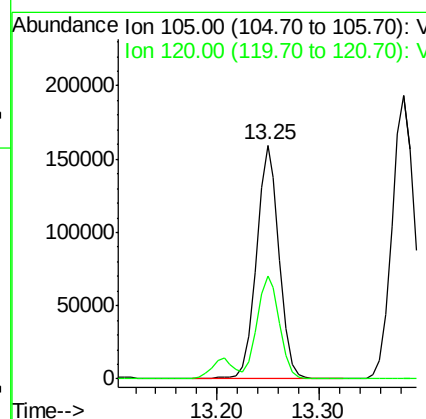
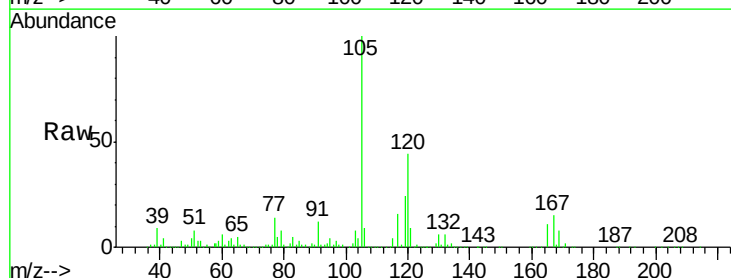
Manual Integrations
APPROVED

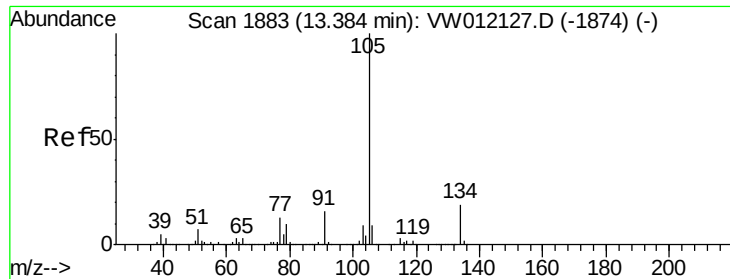
MMDadoda
9/6/2019 12:29:31 PM



#84
1,2,4-Trimethylbenzene
Concen: 23.715 ug/l
RT: 13.25 min Scan# 1861
Delta R.T. -0.00 min
Lab File: VW012639.D
Acq: 05 Sep 2019 14:36

Tgt Ion	Ratio	Lower	Upper
105	100		
120	43.9	21.9	65.7





#85

sec-Butylbenzene

Concen: 23.783 ug/l

RT: 13.38 min Scan# 1883

Delta R.T. -0.00 min

Lab File: VW012639.D

Acq: 05 Sep 2019 14:36

Instrument :

MSVOA_W

ClientSampleId :

VW0905SBSD03

Tot Ion:105 Resp: 297609

Ion Ratio Lower Upper

105 100

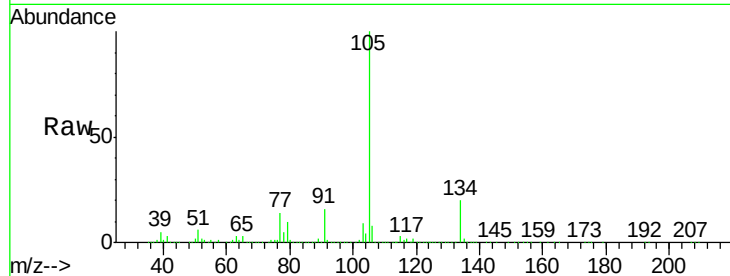
134 19.6 9.8 29.4

Manual Integrations

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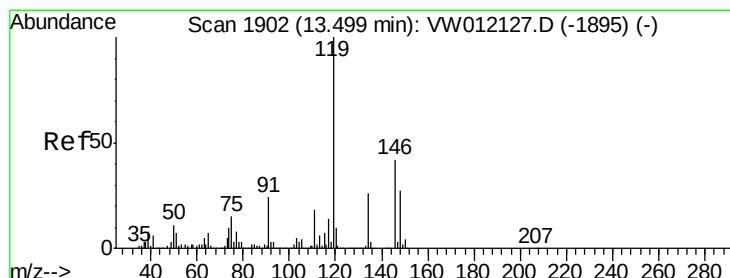
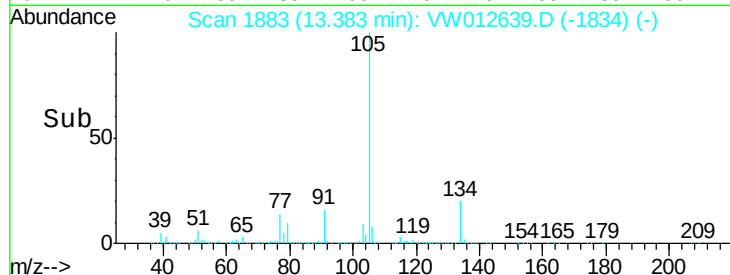
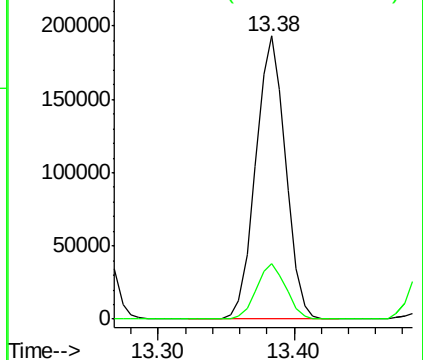
MMDadoda

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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: 24.336 ug/l

RT: 13.50 min Scan# 1902

Delta R.T. -0.00 min

Lab File: VW012639.D

Acq: 05 Sep 2019 14:36

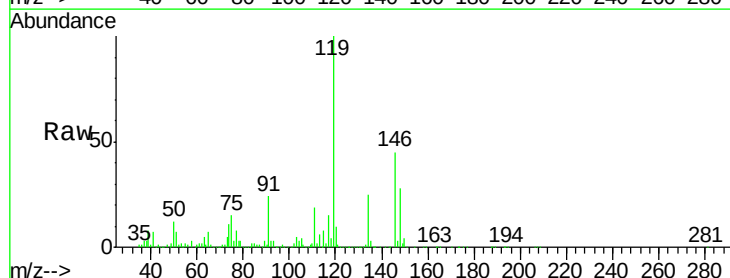
Tgt Ion:119 Resp: 271959

Ion Ratio Lower Upper

119 100

134 25.1 12.8 38.3

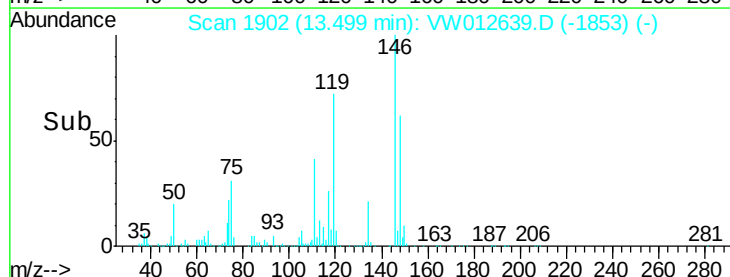
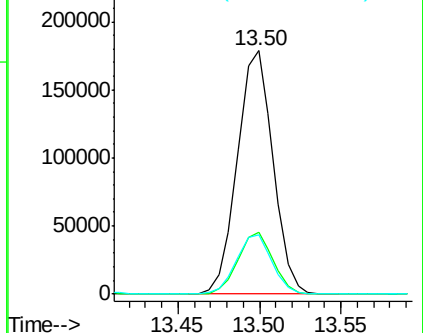
91 24.1 12.3 36.9

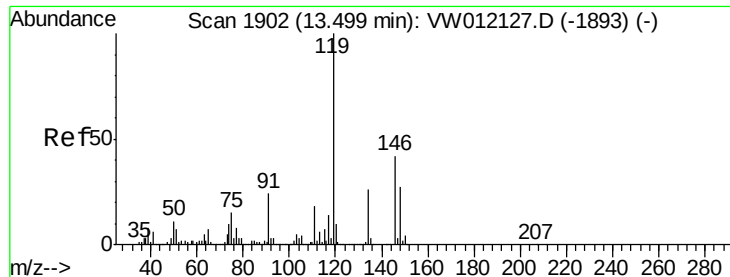


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V





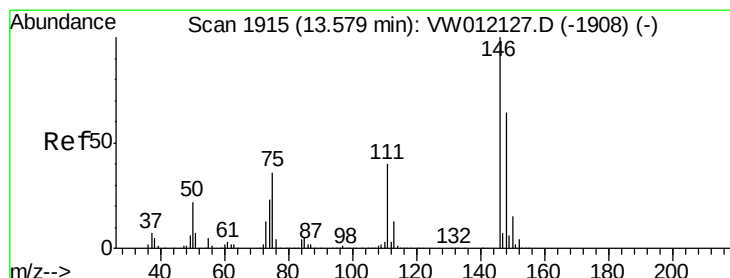
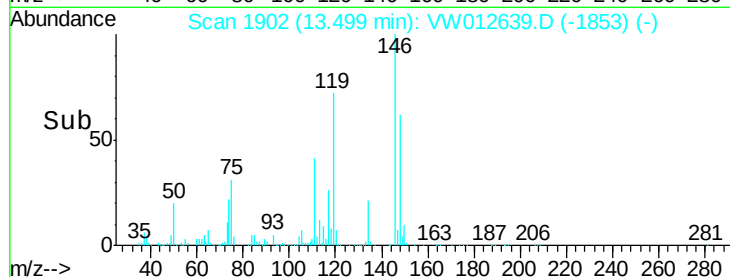
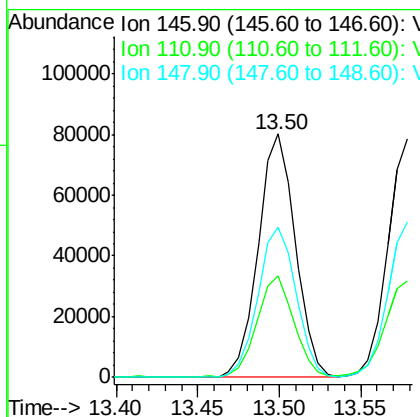
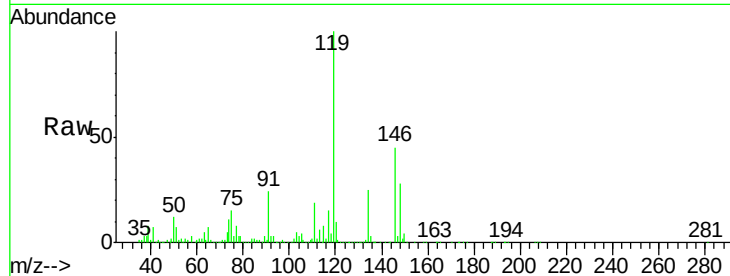
#87
 1,3-Dichlorobenzene
 Concen: 24.133 ug/l
 RT: 13.50 min Scan# 1902
 Delta R.T. -0.00 min
 Lab File: VW012639.D
 Acq: 05 Sep 2019 14:36

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0905SBS03

Tot Ion	Ratio	Lower	Upper
146	100		
111	41.4	20.9	62.7
148	63.6	32.2	96.6

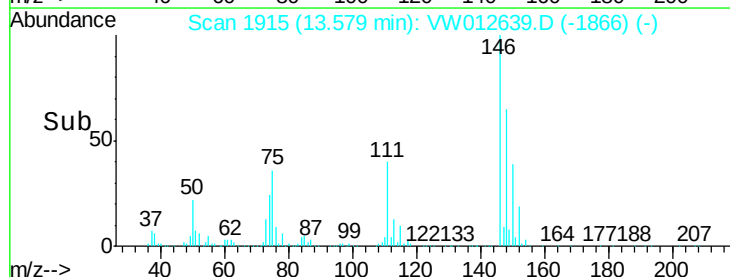
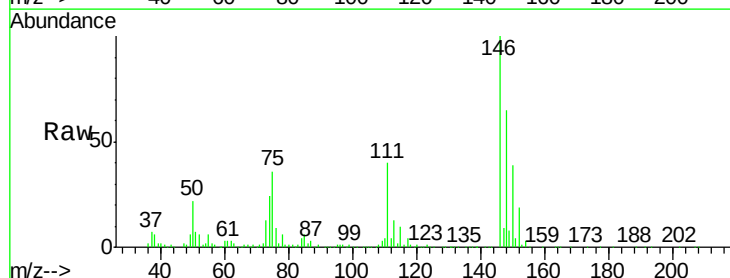
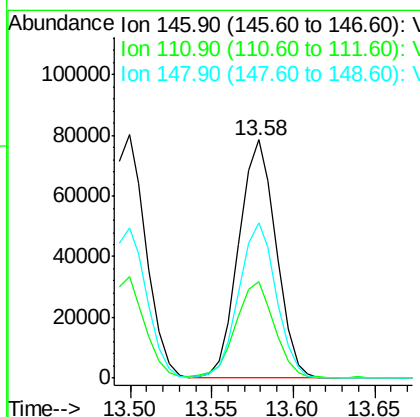
Manual Integrations
 APPROVED

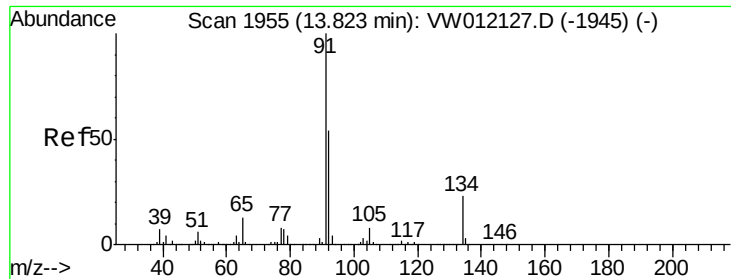
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 9/6/2019 12:29:31 PM



#88
 1,4-Dichlorobenzene
 Concen: 24.222 ug/l
 RT: 13.58 min Scan# 1915
 Delta R.T. -0.00 min
 Lab File: VW012639.D
 Acq: 05 Sep 2019 14:36

Tgt Ion	Ratio	Lower	Upper
146	100		
111	41.1	20.0	60.0
148	65.3	32.1	96.3





#89

n-Butylbenzene

Concen: 23.840 ug/l

RT: 13.82 min Scan# 1955

Delta R.T. -0.00 min

Lab File: VW012639.D

Acq: 05 Sep 2019 14:36

Instrument :

MSVOA_W

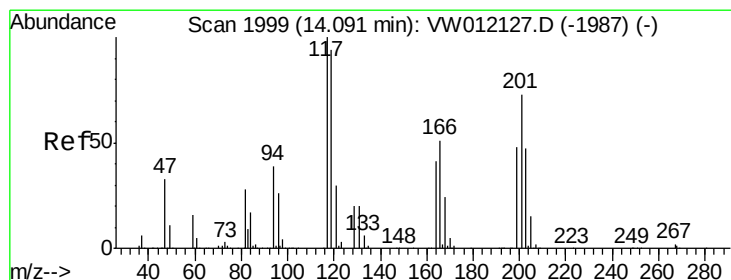
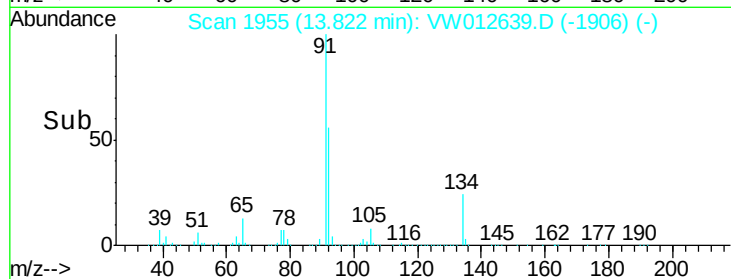
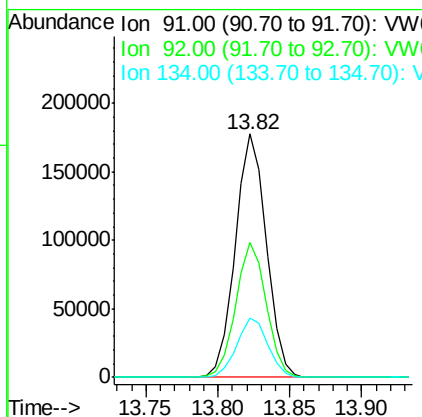
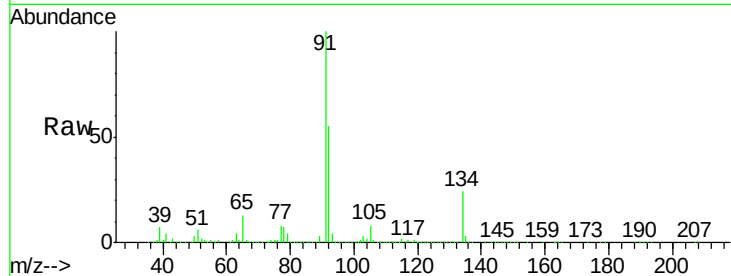
ClientSampleId :

VW0905SBS03

Tot Ion:	91	Resp:	264931
Ion	Ratio	Lower	Upper
91	100		
92	54.5	27.1	81.2
134	24.6	12.2	36.4

Manual Integrations
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#90

Hexachloroethane

Concen: 23.154 ug/l

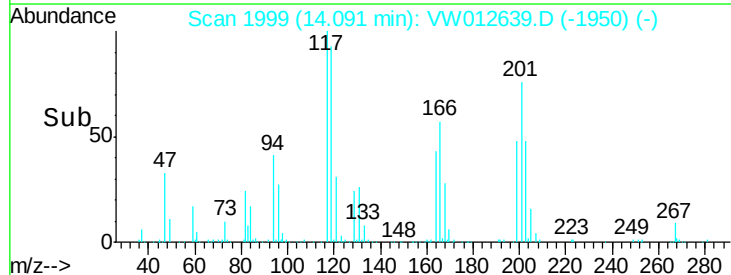
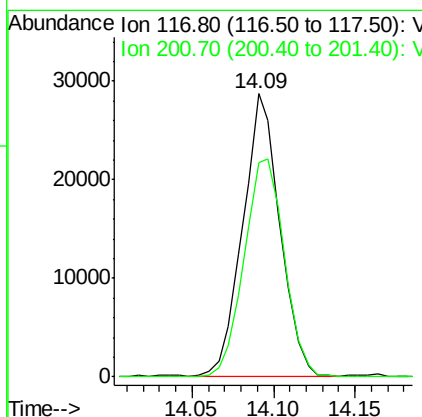
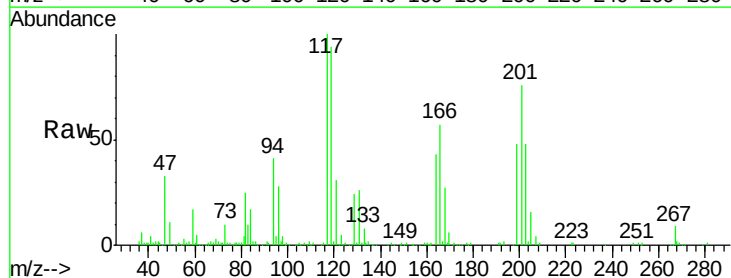
RT: 14.09 min Scan# 1999

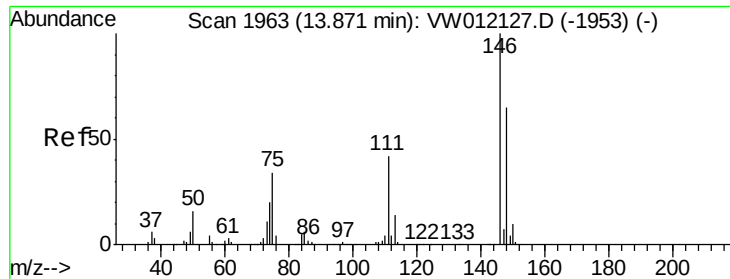
Delta R.T. -0.00 min

Lab File: VW012639.D

Acq: 05 Sep 2019 14:36

Tgt Ion:	117	Resp:	45398
Ion	Ratio	Lower	Upper
117	100		
201	83.5	38.6	115.7





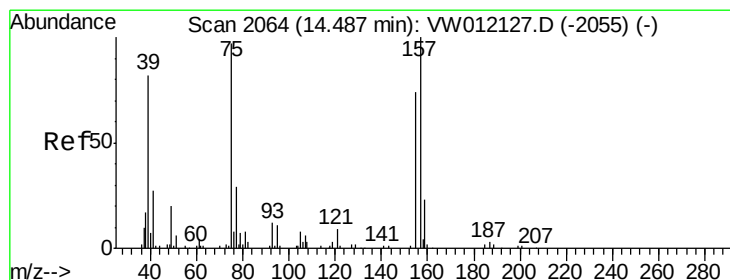
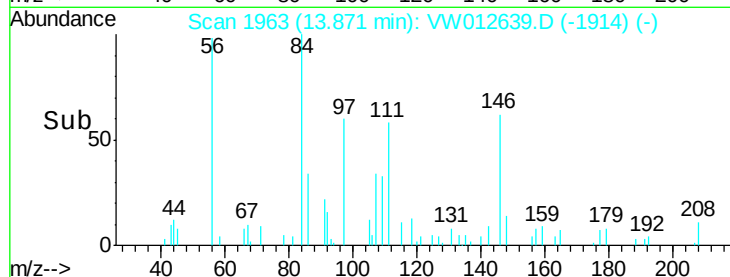
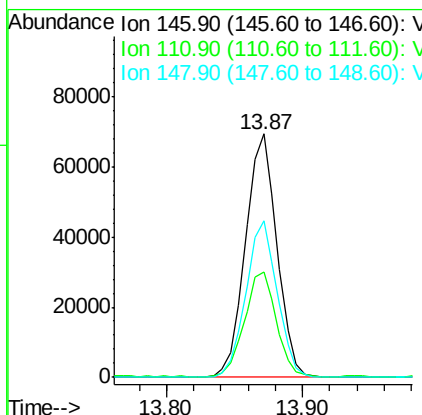
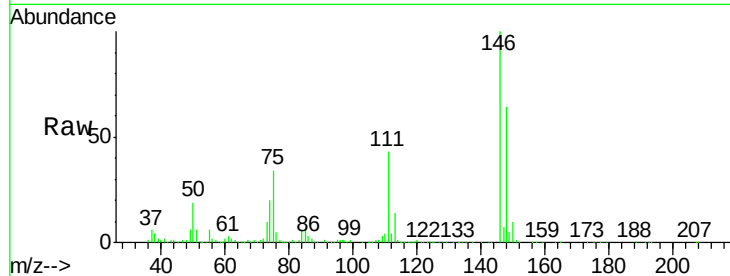
#91
 1,2-Dichlorobenzene
 Concen: 24.563 ug/l
 RT: 13.87 min Scan# 1963
 Delta R.T. -0.00 min
 Lab File: VW012639.D
 Acq: 05 Sep 2019 14:36

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0905SBS03

Tot Ion	Ratio	Lower	Upper
146	100		
111	43.6	21.2	63.6
148	63.9	32.5	97.4

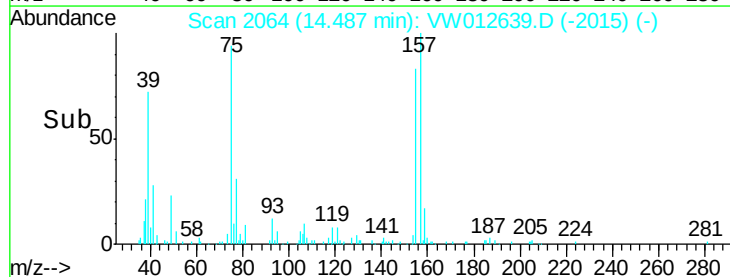
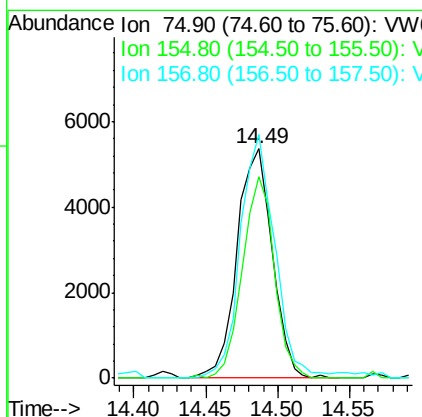
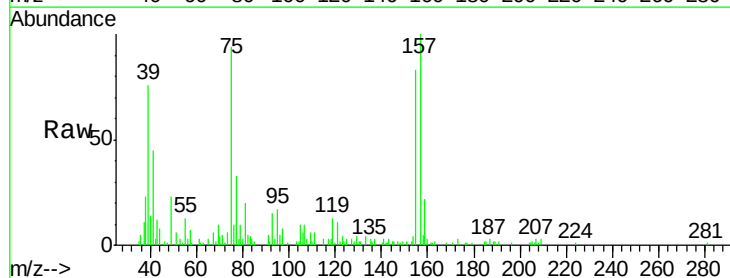
Manual Integrations
 APPROVED

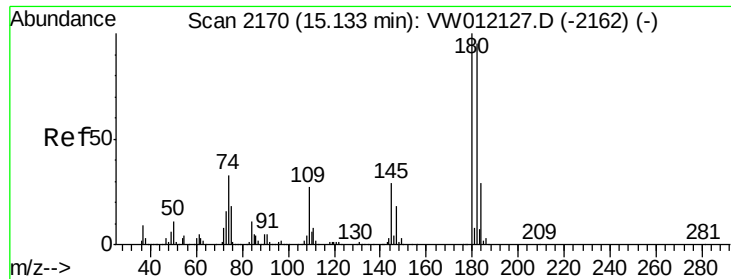
MMDadoda
 9/6/2019 12:29:31 PM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 23.853 ug/l
 RT: 14.49 min Scan# 2064
 Delta R.T. -0.00 min
 Lab File: VW012639.D
 Acq: 05 Sep 2019 14:36

Tgt Ion	Ratio	Lower	Upper
75	100		
155	79.5	37.5	112.3
157	104.9	50.5	151.5





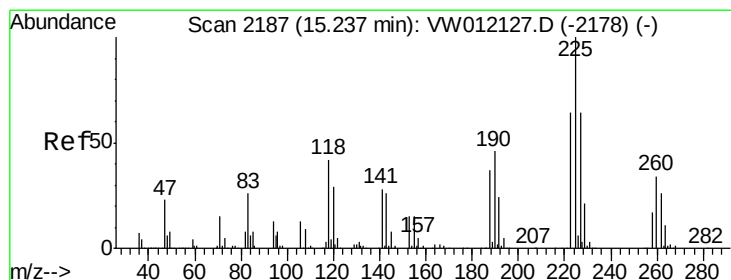
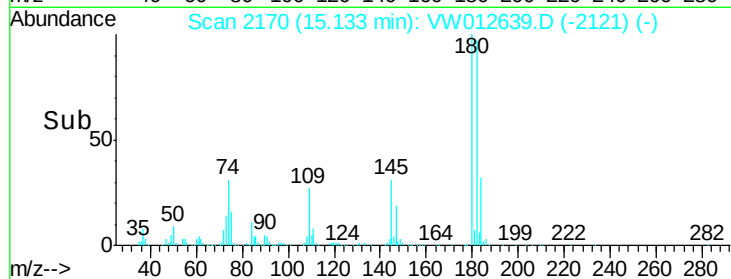
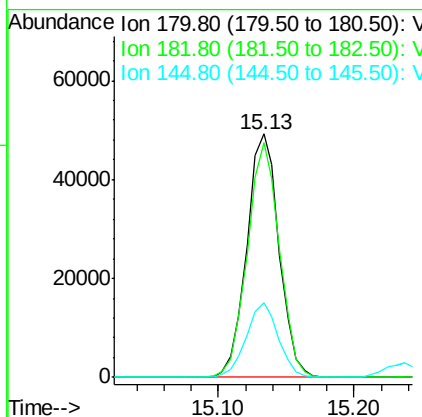
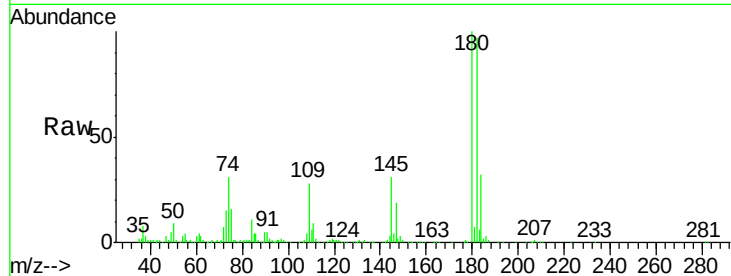
#93
 1,2,4-Trichlorobenzene
 Concen: 25.853 ug/l
 RT: 15.13 min Scan# 2170
 Delta R.T. -0.00 min
 Lab File: VW012639.D
 Acq: 05 Sep 2019 14:36

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0905SBS03

Tot Ion	Ratio	Resp	Lower	Upper
180	100	81838		
182	95.8	47.8	143.4	
145	30.2	15.0	45.1	

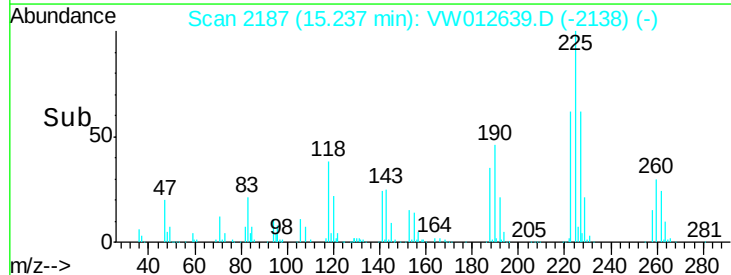
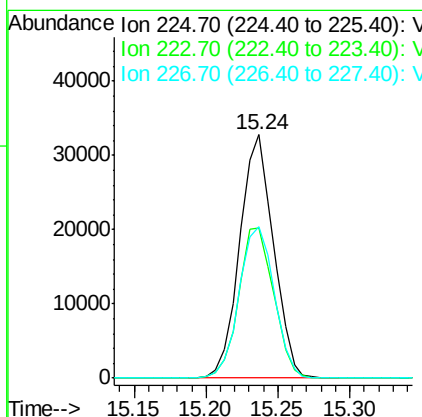
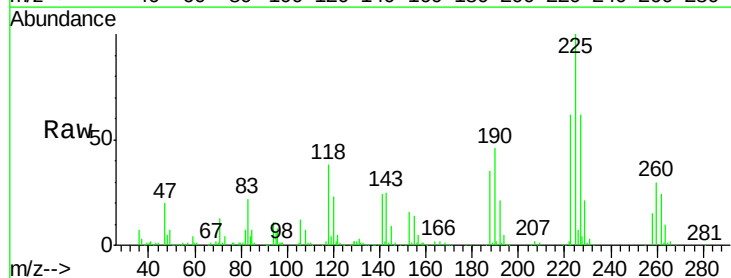
Manual Integrations
 APPROVED

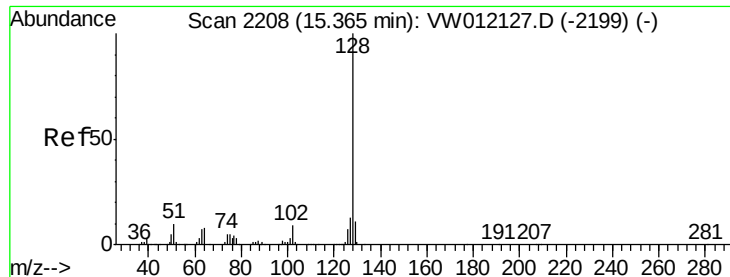
MMDadoda
 9/6/2019 12:29:31 PM



#94
 Hexachlorobutadiene
 Concen: 25.468 ug/l
 RT: 15.24 min Scan# 2187
 Delta R.T. -0.00 min
 Lab File: VW012639.D
 Acq: 05 Sep 2019 14:36

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	53234		
223	64.0	32.3	96.8	
227	64.7	32.9	98.6	





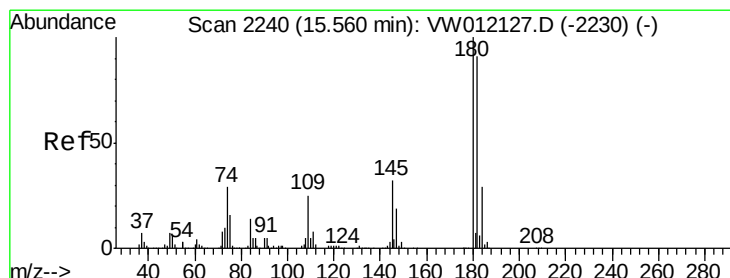
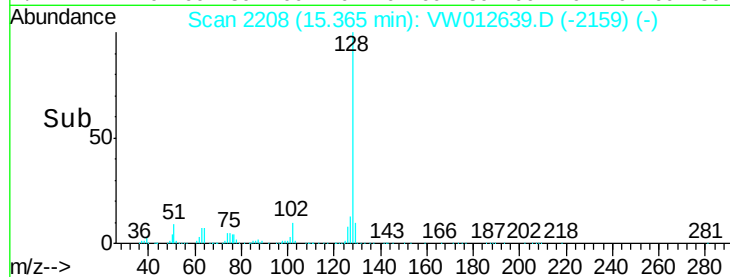
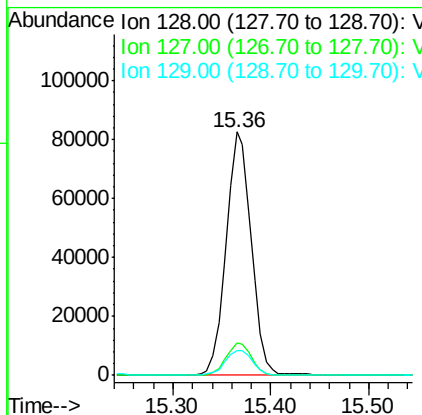
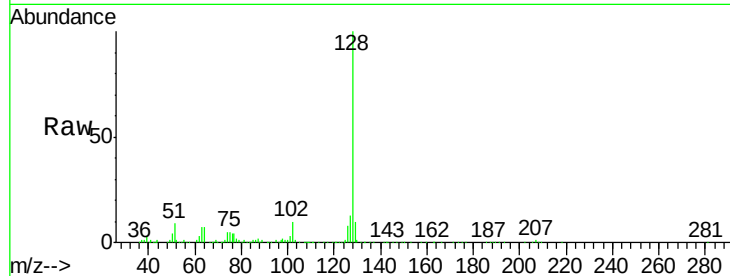
#95
Naphthalene
Concen: 25.839 ug/l
RT: 15.36 min Scan# 2208
Delta R.T. 0.00 min
Lab File: VW012639.D
Acq: 05 Sep 2019 14:36

Instrument :
MSVOA_W
ClientSampleId :
VW0905SBS03

Tot Ion	Ratio	Lower	Upper
128	100		
127	13.4	10.7	16.1
129	10.8	8.7	13.1

Manual Integrations
APPROVED

MMDadoda
9/6/2019 12:29:31 PM



#96
1,2,3-Trichlorobenzene
Concen: 25.829 ug/l
RT: 15.55 min Scan# 2239
Delta R.T. -0.01 min
Lab File: VW012639.D
Acq: 05 Sep 2019 14:36

Tgt Ion	Ratio	Lower	Upper
180	100		
182	97.0	47.1	141.3
145	33.3	16.2	48.5

