

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW090319\
 Data File : VW012581.D
 Acq On : 04 Sep 2019 08:22
 Operator : SY/VA
 Sample : VW0903SBS04
 Misc : 5.00G/5ML/MSVOA W/SOIL
 ALS Vial : 53 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0903SBS04

Manual Integrations
 APPROVED

MMDadoda
 9/4/2019 9:34:22 AM

Quant Time: Sep 04 08:49:17 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	208945	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	319052	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	273306	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	137212	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.30	65	125892	50.68	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.36%	
35) Dibromofluoromethane	7.88	113	95779	50.29	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.58%	
50) Toluene-d8	10.32	98	371028	48.05	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.10%	
62) 4-Bromofluorobenzene	12.62	95	134513	49.42	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.84%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.01	85	21671	16.844	ug/l	99
3) Chloromethane	2.21	50	31941	16.025	ug/l	94
4) Vinyl Chloride	2.36	62	39374	16.139	ug/l	98
5) Bromomethane	2.78	94	19725	15.965	ug/l	97
6) Chloroethane	2.91	64	21136	15.358	ug/l	92
7) Trichlorofluoromethane	3.25	101	23637	19.295	ug/l	98
8) Diethyl Ether	3.68	74	21370	18.378	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	4.06	101	39081	18.768	ug/l	98
10) Methyl Iodide	4.26	142	48719	17.292	ug/l	99
11) Tert butyl alcohol	5.22	59	15743	105.321	ug/l #	71
12) 1,1-Dichloroethene	4.03	96	36321	17.330	ug/l	88
13) Acrolein	3.90	56	9717	69.059	ug/l	91
14) Allyl chloride	4.66	41	76371	17.045	ug/l	96
15) Acrylonitrile	5.37	53	64190	111.375	ug/l	100
16) Acetone	4.13	43	62229	98.010	ug/l	96
17) Carbon Disulfide	4.38	76	84706	13.373	ug/l	100
18) Methyl Acetate	4.68	43	32217	20.487	ug/l	100
19) Methyl tert-butyl Ether	5.43	73	73880	21.798	ug/l	94
20) Methylene Chloride	4.92	84	44778	18.655	ug/l	92
21) trans-1,2-Dichloroethene	5.42	96	42427	18.878	ug/l	99
22) Diisopropyl ether	6.31	45	169701	20.433	ug/l	98
23) Vinyl Acetate	6.25	43	519473	101.636	ug/l	99
24) 1,1-Dichloroethane	6.21	63	91043	20.133	ug/l	99
25) 2-Butanone	7.18	43	94690	109.749	ug/l	99
26) 2,2-Dichloropropane	7.16	77	55831	21.813	ug/l	100
27) cis-1,2-Dichloroethene	7.17	96	47567	19.810	ug/l	99
28) Bromochloromethane	7.51	49	41389	21.000	ug/l	95
29) Tetrahydrofuran	7.53	42	54733	105.736	ug/l	98
30) Chloroform	7.68	83	88965	21.504	ug/l	96
31) Cyclohexane	7.95	56	77982	17.430	ug/l #	93
32) 1,1,1-Trichloroethane	7.87	97	70183	21.444	ug/l	100
36) 1,1-Dichloropropene	8.08	75	67686	20.529	ug/l	100
37) Ethyl Acetate	7.26	43	41320	22.870	ug/l	99
38) Carbon Tetrachloride	8.07	117	64194	22.495	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.34	83	70407	19.009	ug/l	99
40) Benzene	8.32	78	184741	20.520	ug/l	100
41) Methacrylonitrile	7.48	41	23062	21.718	ug/l	95
42) 1,2-Dichloroethane	8.40	62	65814	23.325	ug/l	99
43) Isopropyl Acetate	8.42	43	73973	22.104	ug/l	100
44) Trichloroethene	9.09	130	46486	21.241	ug/l	92
45) 1,2-Dichloropropane	9.37	63	50056	20.659	ug/l	100
46) Dibromomethane	9.46	93	23948	22.215	ug/l	99
47) Bromodichloromethane	9.64	83	61911	21.579	ug/l	97
48) Methyl methacrylate	9.43	41	34664	21.763	ug/l	98
49) 1,4-Dioxane	9.48	88	6646	402.705	ug/l #	1
51) 4-Methyl-2-Pentanone	10.21	43	195755	115.001	ug/l	99
52) Toluene	10.38	92	114929	21.250	ug/l	98
53) t-1,3-Dichloropropene	10.60	75	61754	21.130	ug/l	98
54) cis-1,3-Dichloropropene	10.07	75	72869	20.650	ug/l	96
55) 1,1,2-Trichloroethane	10.79	97	34989	22.940	ug/l	97
56) Ethyl methacrylate	10.65	69	48716	21.945	ug/l	98
57) 1,3-Dichloropropane	10.93	76	64211	22.277	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.92	63	133286	116.989	ug/l	99
59) 2-Hexanone	10.97	43	141368	117.375	ug/l	98
60) Dibromochloromethane	11.13	129	37638	22.154	ug/l	98
61) 1,2-Dibromoethane	11.24	107	31565	22.214	ug/l	99
64) Tetrachloroethene	10.86	164	38209	21.564	ug/l	97
65) Chlorobenzene	11.66	112	114819	21.335	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.73	131	42237	22.497	ug/l	99
67) Ethyl Benzene	11.73	91	222095	21.424	ug/l	99
68) m/p-Xylenes	11.84	106	161475	43.242	ug/l	99
69) o-Xylene	12.16	106	74830	21.651	ug/l	99
70) Styrene	12.18	104	128848	21.538	ug/l	99
71) Bromoform	12.35	173	21786	23.291	ug/l #	97
73) Isopropylbenzene	12.46	105	213416	20.757	ug/l	100
74) N-amyl acetate	12.27	43	64397	20.731	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.71	83	41398	21.963	ug/l	99
76) 1,2,3-Trichloropropane	12.77	75	29118m	21.789	ug/l	
77) Bromobenzene	12.74	156	48072	21.612	ug/l	94
78) n-propylbenzene	12.80	91	259466	20.672	ug/l	99
79) 2-Chlorotoluene	12.89	91	148691	20.866	ug/l	100
80) 1,3,5-Trimethylbenzene	12.94	105	180685	21.031	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.51	75	12368	20.292	ug/l	91
82) 4-Chlorotoluene	12.99	91	155534	20.845	ug/l	100
83) tert-Butylbenzene	13.21	119	155586	21.379	ug/l	98
84) 1,2,4-Trimethylbenzene	13.25	105	183728	21.289	ug/l	98
85) sec-Butylbenzene	13.38	105	219320	21.035	ug/l	99
86) p-Isopropyltoluene	13.50	119	198090	21.274	ug/l	99
87) 1,3-Dichlorobenzene	13.50	146	93221	21.427	ug/l	98
88) 1,4-Dichlorobenzene	13.58	146	91768	21.243	ug/l	98
89) n-Butylbenzene	13.82	91	192135	20.750	ug/l	100
90) Hexachloroethane	14.09	117	33533	20.527	ug/l	92
91) 1,2-Dichlorobenzene	13.87	146	82162	21.527	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.49	75	7233	22.762	ug/l	93

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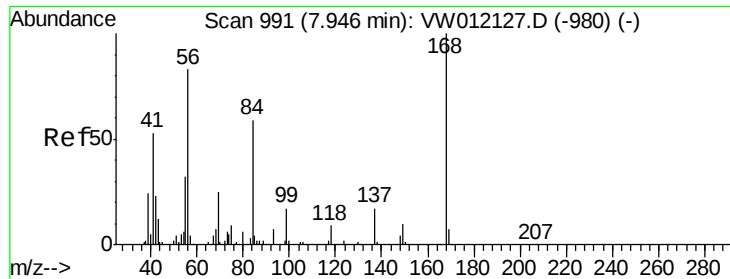
Manual Integrations
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.13	180	55045	20.870	ug/l	99
94) Hexachlorobutadiene	15.24	225	40039	22.990	ug/l	95
95) Naphthalene	15.37	128	94753	21.047	ug/l	100
96) 1,2,3-Trichlorobenzene	15.56	180	48282	20.981	ug/l	100

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.00 min

Lab File: VW012581.D

Acq: 04 Sep 2019 08:22

Instrument :

MSVOA_W

ClientSampleId :

VW0903SBS04

Tot Ion:168 Resp: 208945

Ion Ratio Lower Upper

168 100

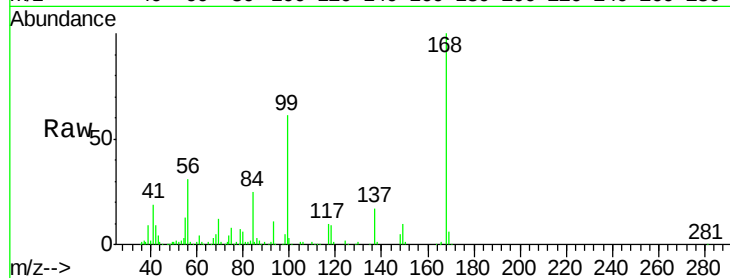
99 60.9 49.2 73.8

Manual Integrations

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9/4/2019 9:34:22 AM



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW

7.95

100000

80000

60000

40000

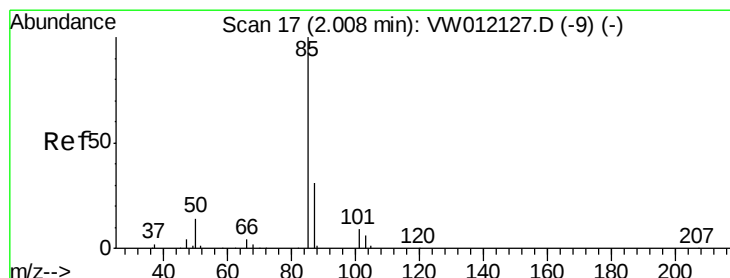
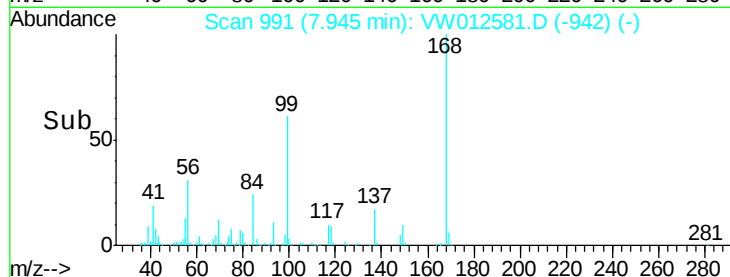
20000

0

7.90

8.00

Time-->



#2

Dichlorodifluoromethane

Concen: 16.844 ug/l

RT: 2.01 min Scan# 17

Delta R.T. -0.00 min

Lab File: VW012581.D

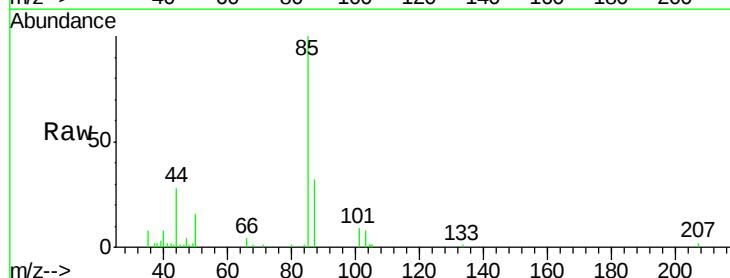
Acq: 04 Sep 2019 08:22

Tgt Ion: 85 Resp: 21671

Ion Ratio Lower Upper

85 100

87 31.8 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

8000

6000

4000

2000

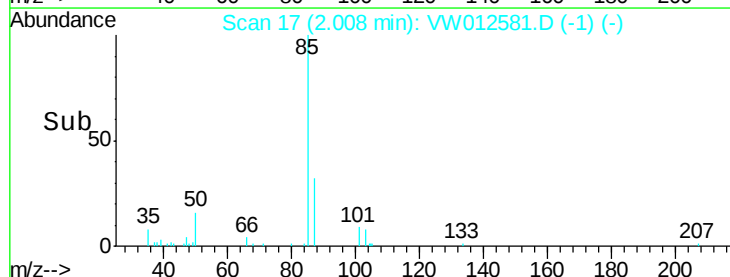
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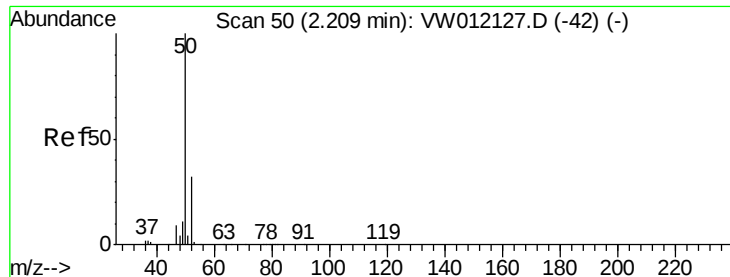
1.90

2.00

2.10

Time-->





#3

Chloromethane

Concen: 16.025 ug/l

RT: 2.21 min Scan# 50

Delta R.T. -0.00 min

Lab File: VW012581.D

Acq: 04 Sep 2019 08:22

Instrument :

MSVOA_W

ClientSampleId :

VW0903SBSD04

Tot Ion: 50 Resp: 31941

Ion Ratio Lower Upper

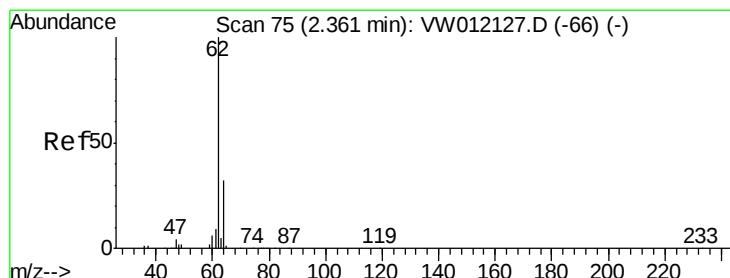
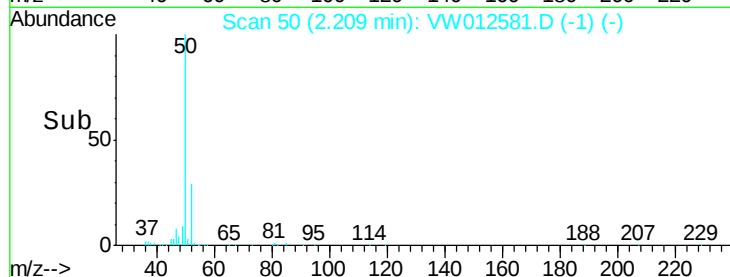
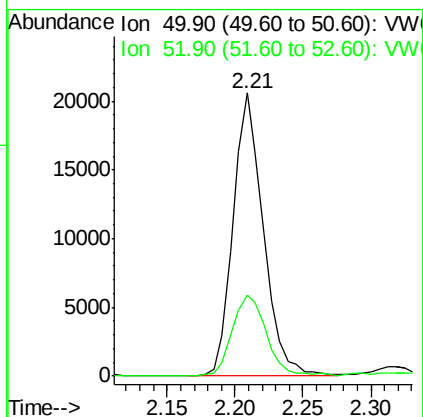
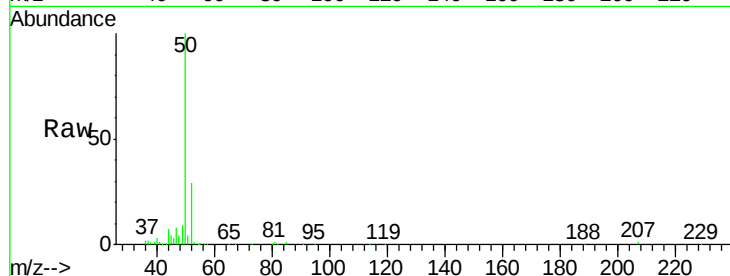
50 100

52 28.8 25.5 38.3

Manual Integrations
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9/4/2019 9:34:22 AM



#4

Vinyl Chloride

Concen: 16.139 ug/l

RT: 2.36 min Scan# 74

Delta R.T. -0.01 min

Lab File: VW012581.D

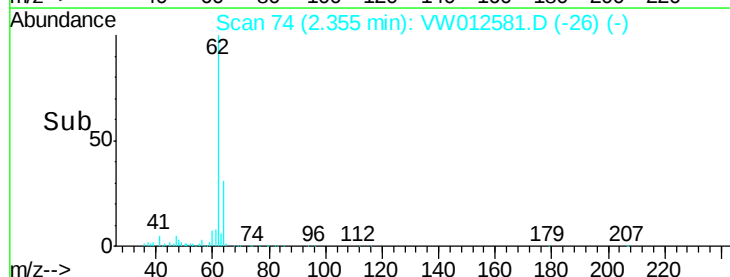
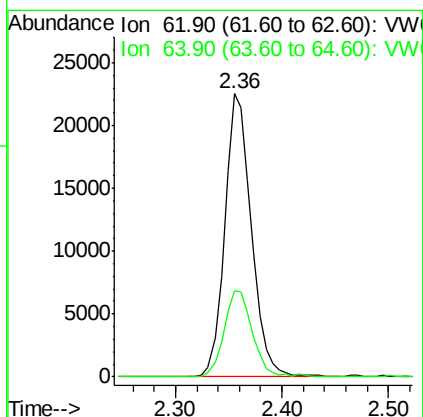
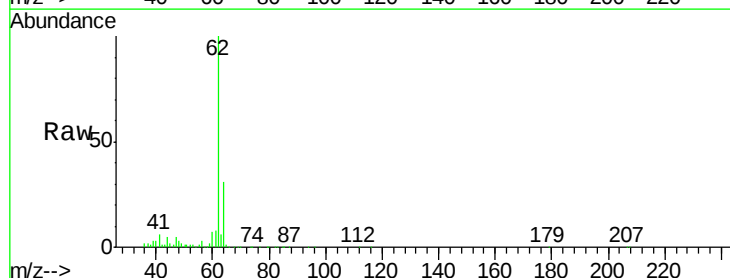
Acq: 04 Sep 2019 08:22

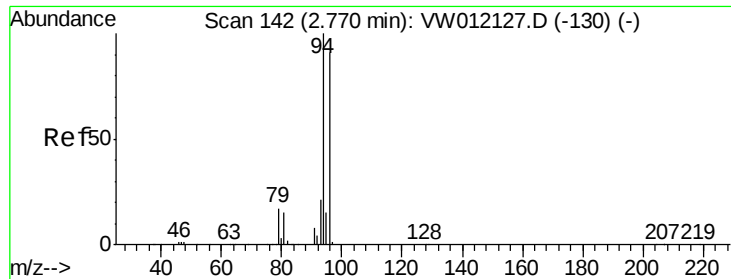
Tgt Ion: 62 Resp: 39374

Ion Ratio Lower Upper

62 100

64 30.6 25.3 37.9





#5

Bromomethane

Concen: 15.965 ug/l

RT: 2.78 min Scan# 143

Delta R.T. 0.01 min

Lab File: VW012581.D

Acq: 04 Sep 2019 08:22

Instrument :

MSVOA_W

ClientSampleId :

VW0903SBSD04

Tot Ion: 94 Resp: 19725

Ion Ratio Lower Upper

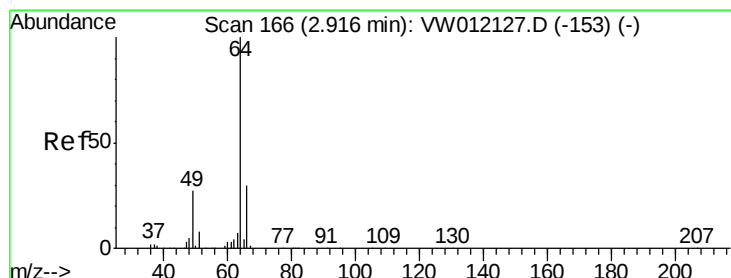
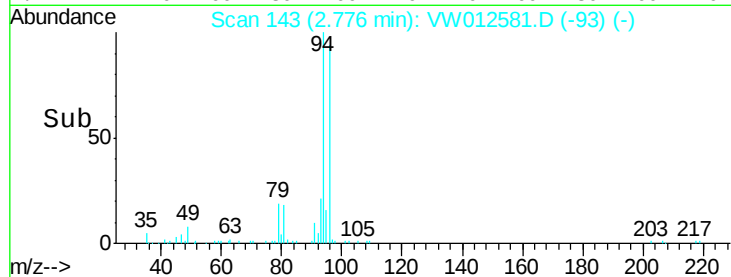
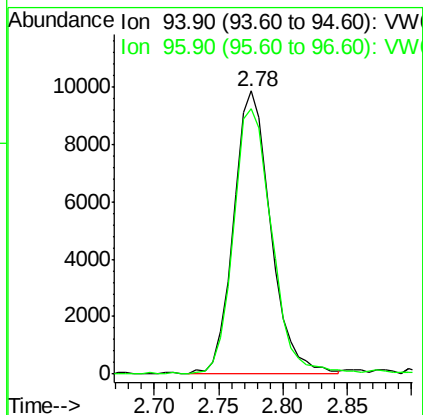
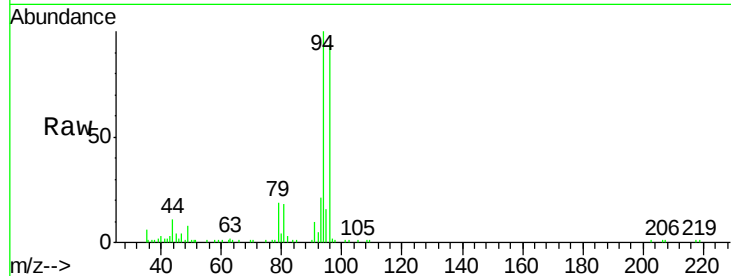
94 100

96 93.6 72.9 109.3

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9/4/2019 9:34:22 AM



#6

Chloroethane

Concen: 15.358 ug/l

RT: 2.91 min Scan# 165

Delta R.T. -0.01 min

Lab File: VW012581.D

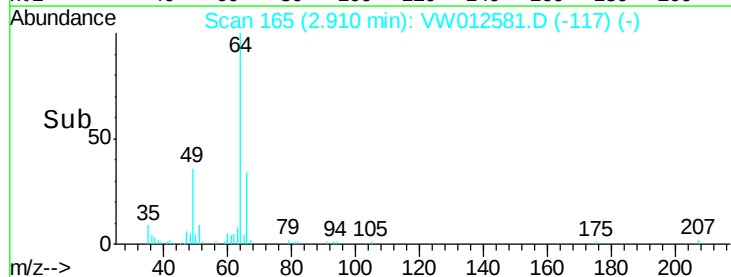
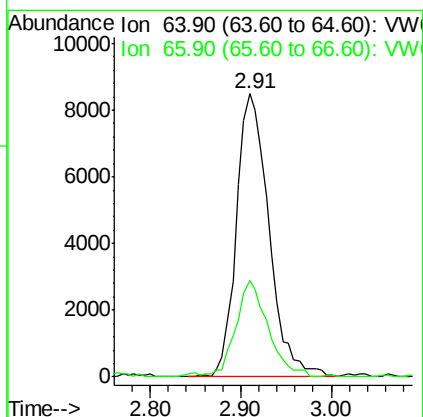
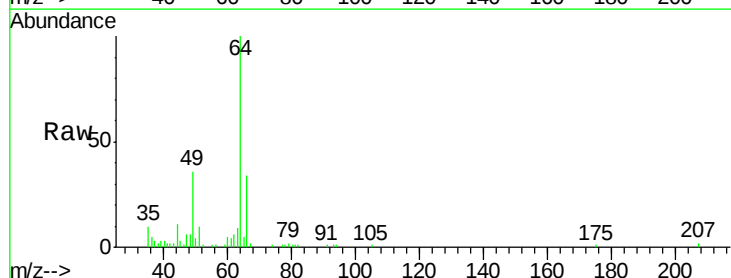
Acq: 04 Sep 2019 08:22

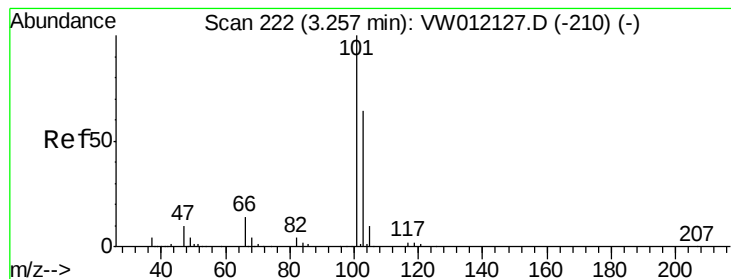
Tgt Ion: 64 Resp: 21136

Ion Ratio Lower Upper

64 100

66 34.0 23.8 35.8





#7

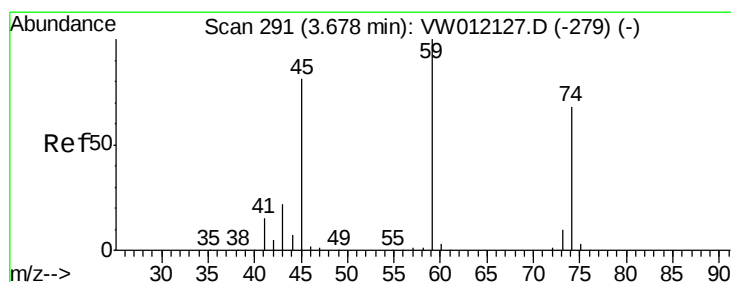
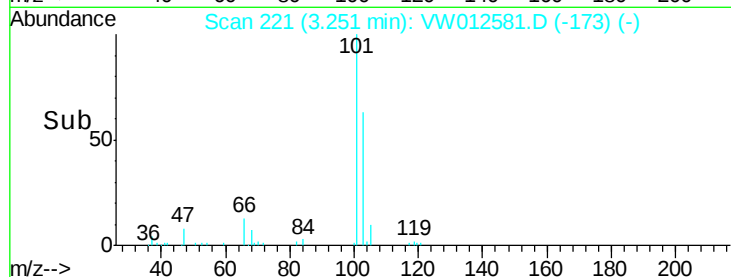
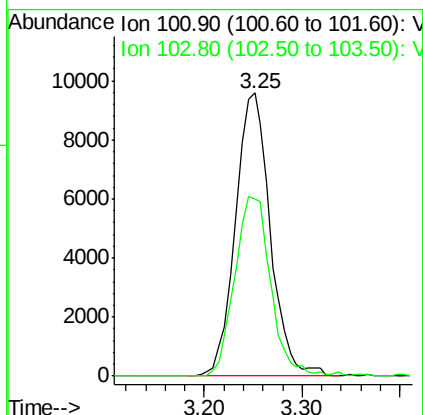
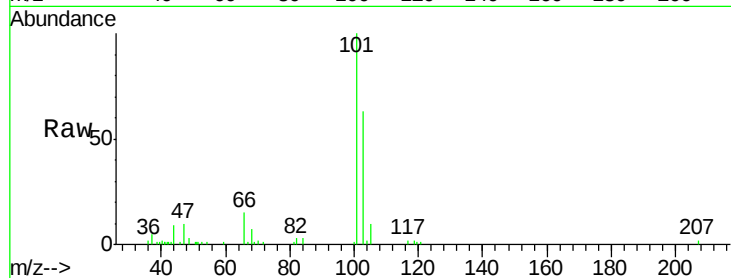
Trichlorofluoromethane
 Concen: 19.295 ug/l
 RT: 3.25 min Scan# 221
 Delta R.T. -0.01 min
 Lab File: VW012581.D
 Acq: 04 Sep 2019 08:22

Instrument :
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 ClientSampleId :
 VW0903SBSD04

Tot Ion	Ratio	Lower	Upper
101	100		
103	62.7	51.2	76.8

Manual Integrations
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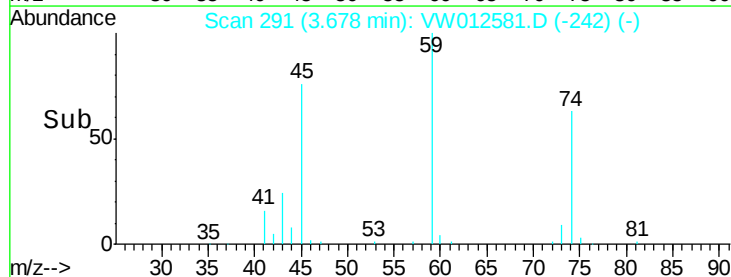
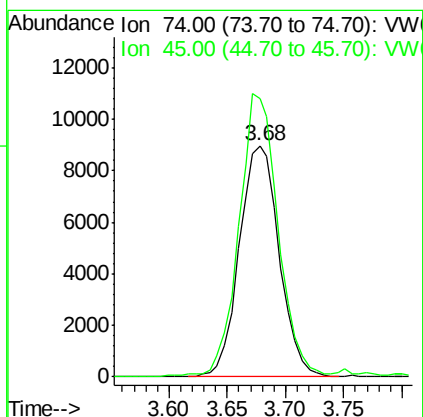
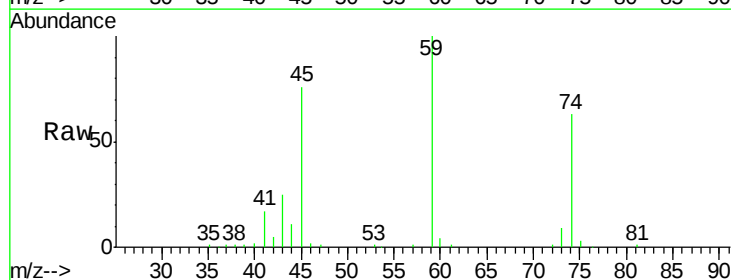
MMDadoda
 9/4/2019 9:34:22 AM

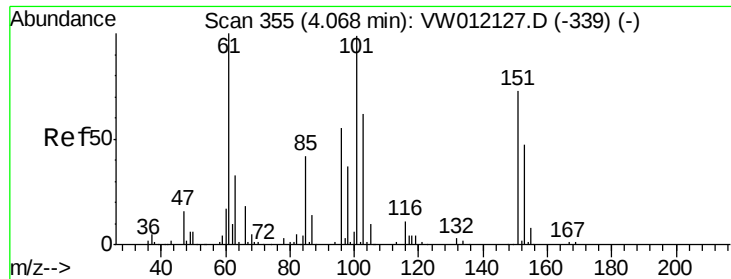


#8

Diethyl Ether
 Concen: 18.378 ug/l
 RT: 3.68 min Scan# 291
 Delta R.T. -0.00 min
 Lab File: VW012581.D
 Acq: 04 Sep 2019 08:22

Tgt Ion	Ratio	Lower	Upper
74	100		
45	121.1	59.2	177.6





#9

1,1,2-Trichlorotrifluoroethane

Concen: 18.768 ug/l

RT: 4.06 min Scan# 353

Delta R.T. -0.01 min

Lab File: VW012581.D

Acq: 04 Sep 2019 08:22

Instrument :

MSVOA_W

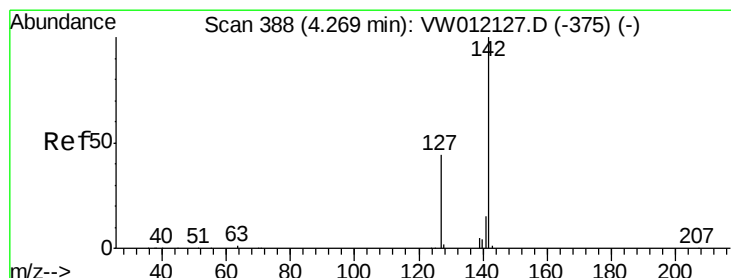
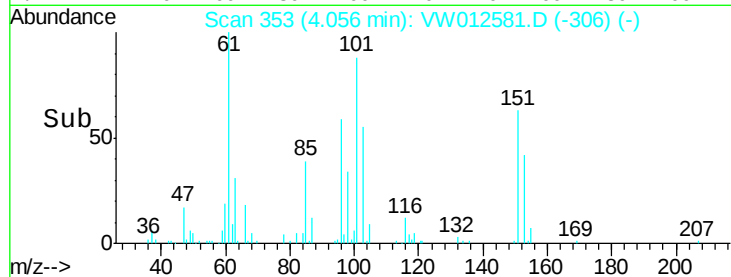
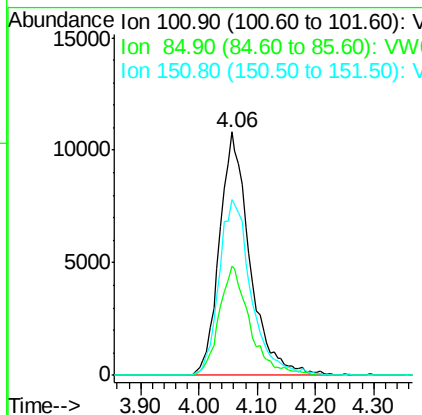
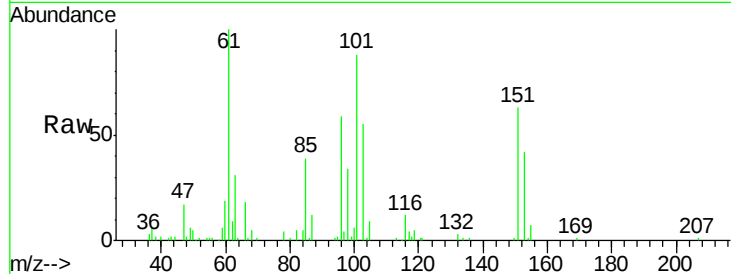
ClientSampleId :

VW0903SBSD04

Tot Ion:	101	Resp:	39081
Ion Ratio	Lower	Upper	
101	100		
85	45.3	35.8	53.6
151	76.1	58.6	87.8

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#10

Methyl Iodide

Concen: 17.292 ug/l

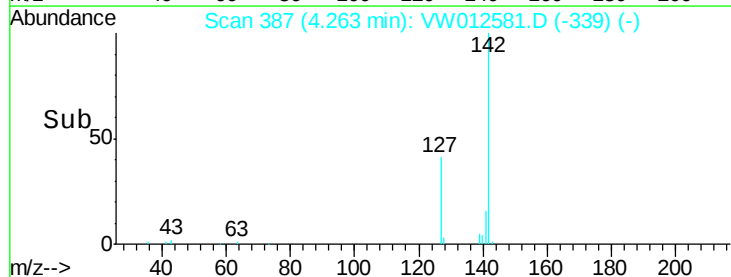
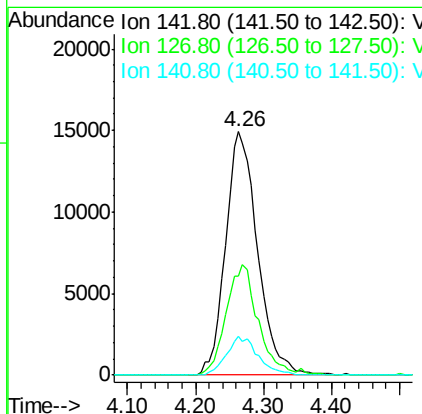
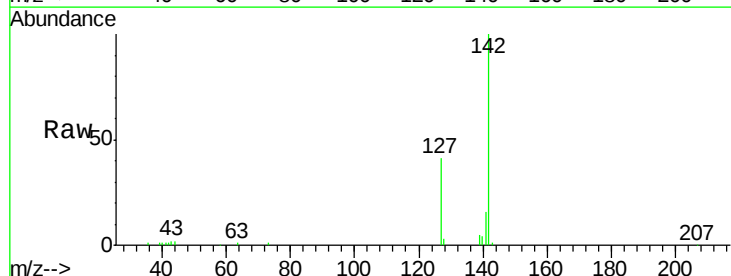
RT: 4.26 min Scan# 387

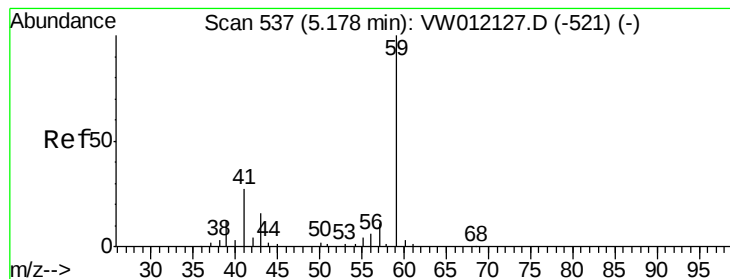
Delta R.T. -0.01 min

Lab File: VW012581.D

Acq: 04 Sep 2019 08:22

Tgt Ion:	142	Resp:	48719
Ion Ratio	Lower	Upper	
142	100		
127	44.8	35.5	53.3
141	15.5	11.8	17.8





#11

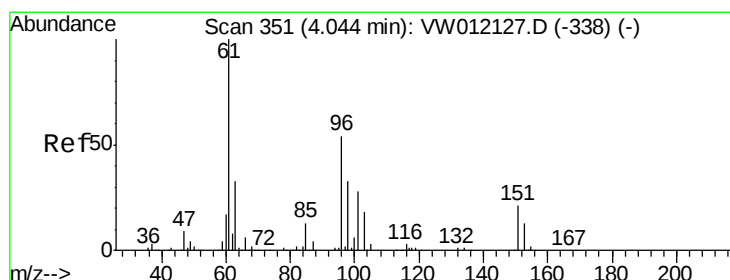
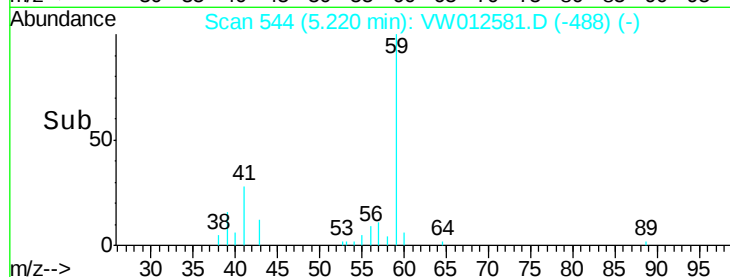
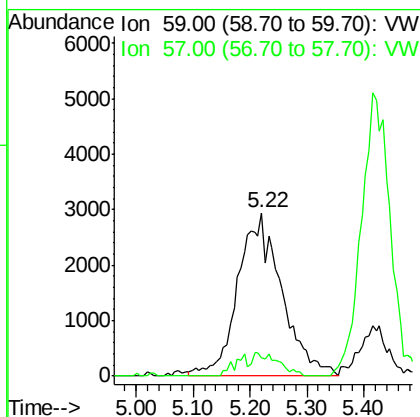
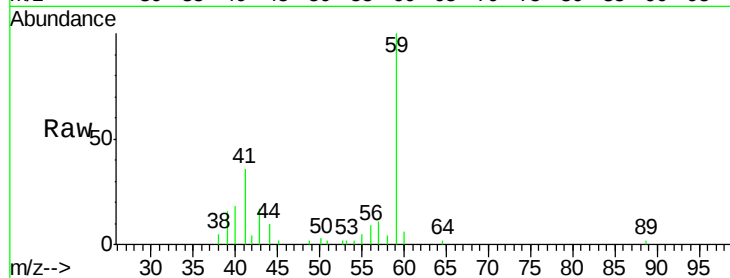
Tert butyl alcohol
 Concen: 105.321 ug/l
 RT: 5.22 min Scan# 544
 Delta R.T. 0.04 min
 Lab File: VW012581.D
 Acq: 04 Sep 2019 08:22

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0903SBSD04

Tot Ion	Ratio	Lower	Upper
59	100		
57	0.0	9.0	13.4#

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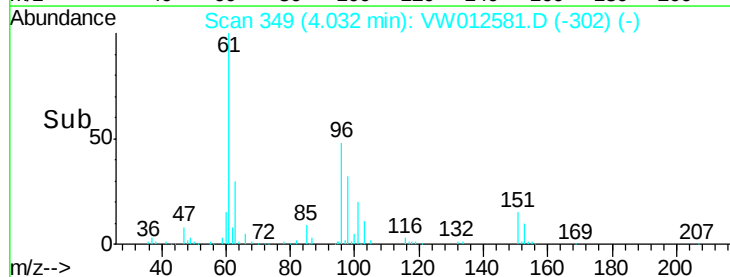
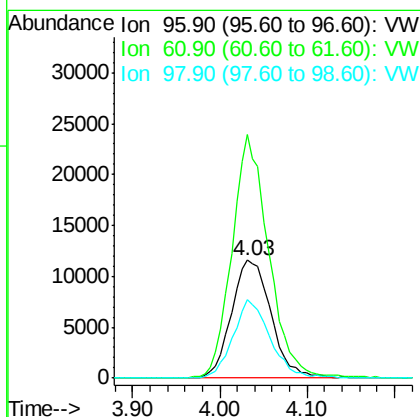
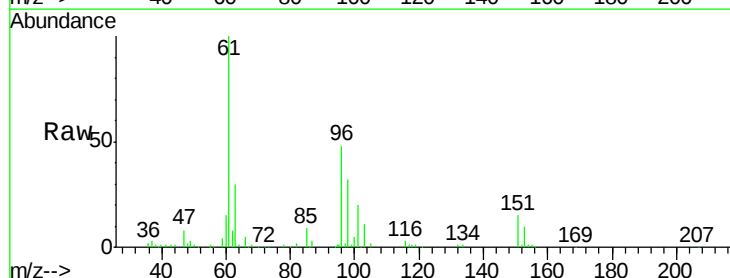
MMDadoda
 9/4/2019 9:34:22 AM

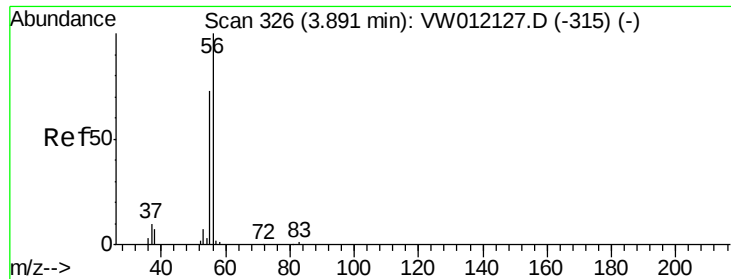


#12

1,1-Dichloroethene
 Concen: 17.330 ug/l
 RT: 4.03 min Scan# 349
 Delta R.T. -0.01 min
 Lab File: VW012581.D
 Acq: 04 Sep 2019 08:22

Tgt Ion	Ratio	Lower	Upper
96	100		
61	206.8	149.1	223.7
98	67.2	49.4	74.2





#13

Acrolein

Concen: 69.059 ug/l

RT: 3.90 min Scan# 327

Delta R.T. 0.01 min

Lab File: VW012581.D

Acq: 04 Sep 2019 08:22

Instrument :

MSVOA_W

ClientSampleId :

VW0903SBSD04

Tot Ion: 56 Resp: 9717

Ion Ratio Lower Upper

56 100

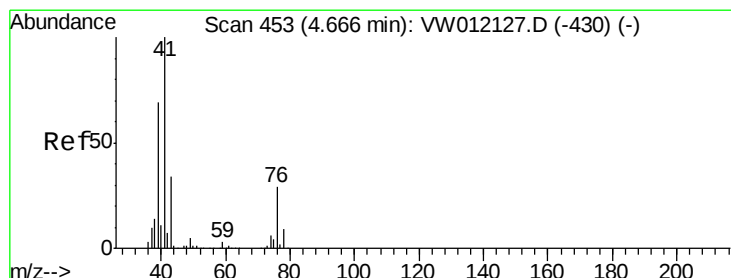
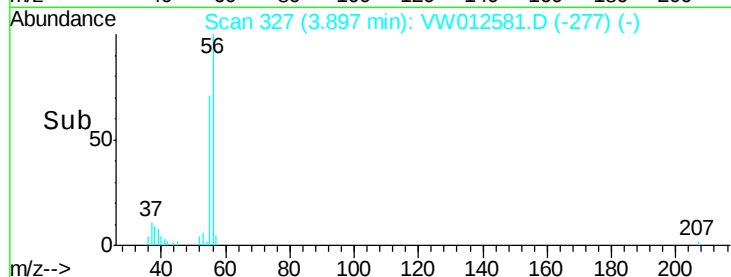
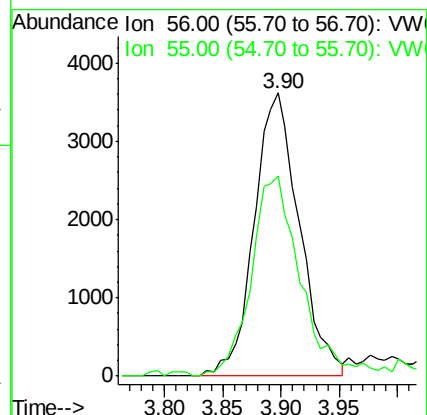
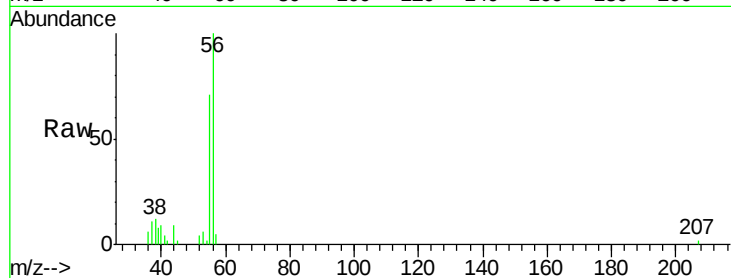
55 77.0 55.8 83.8

Manual Integrations

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#14

Allyl chloride

Concen: 17.045 ug/l

RT: 4.66 min Scan# 452

Delta R.T. -0.01 min

Lab File: VW012581.D

Acq: 04 Sep 2019 08:22

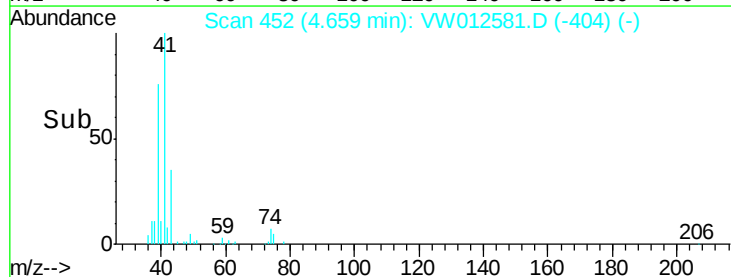
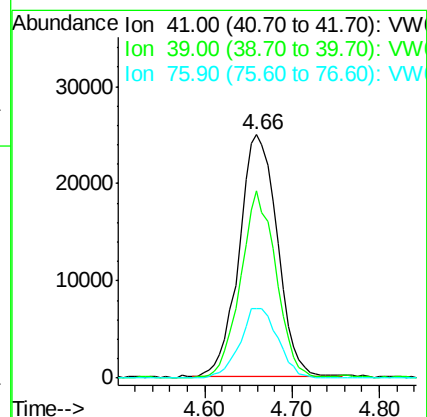
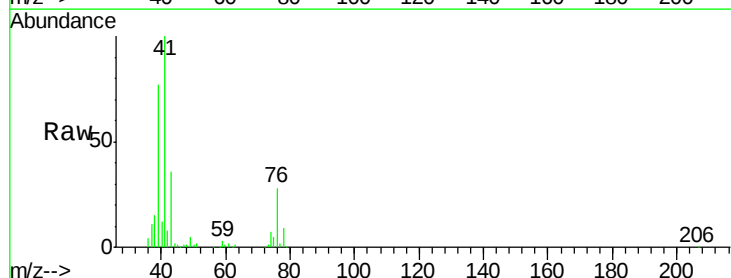
Tgt Ion: 41 Resp: 76371

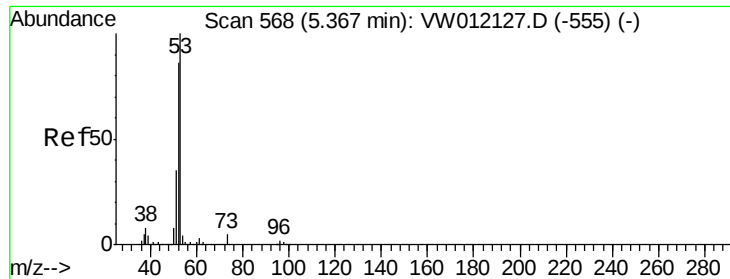
Ion Ratio Lower Upper

41 100

39 71.0 53.4 80.2

76 28.4 22.1 33.1





#15

Acrylonitrile

Concen: 111.375 ug/l

RT: 5.37 min Scan# 568

Delta R.T. -0.00 min

Lab File: VW012581.D

Acq: 04 Sep 2019 08:22

Instrument :

MSVOA_W

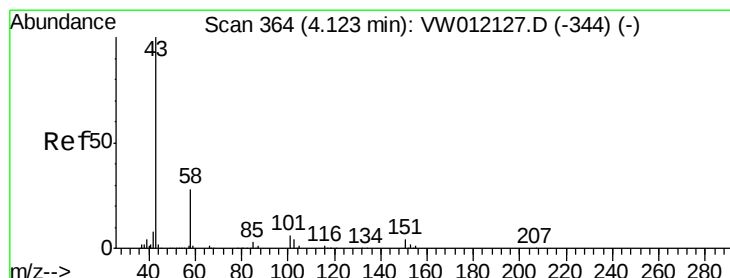
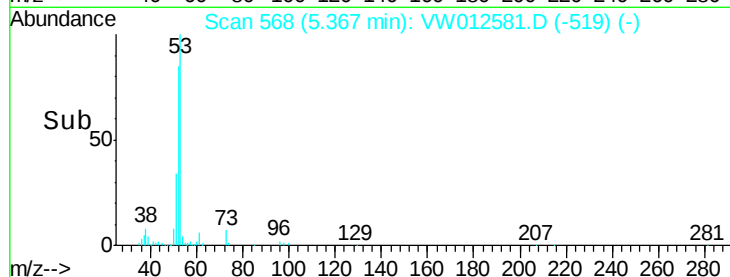
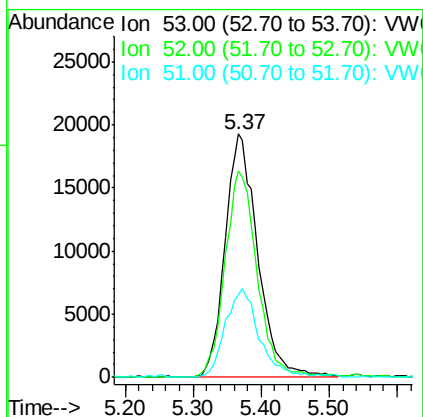
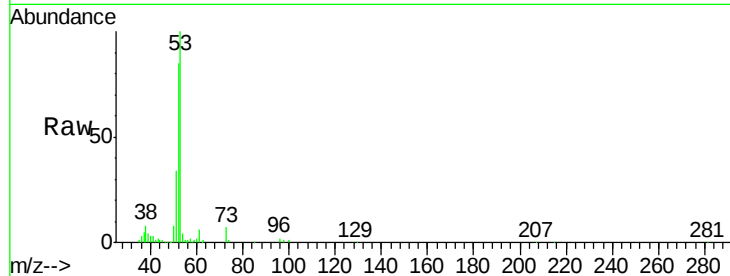
ClientSampleId :

VW0903SBS04

Tot Ion:	53	Resp:	64190
Ion	Ratio	Lower	Upper
53	100		
52	82.8	66.7	100.1
51	37.6	30.1	45.1

Manual Integrations
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#16

Acetone

Concen: 98.010 ug/l

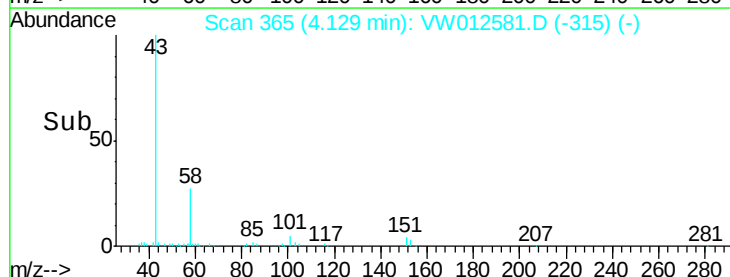
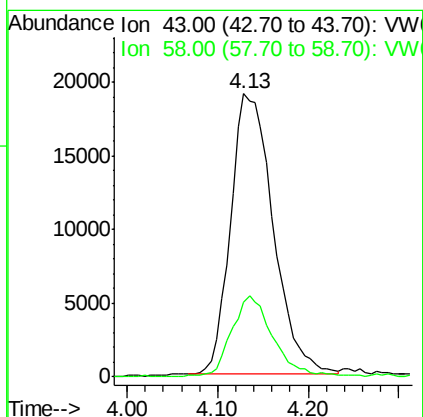
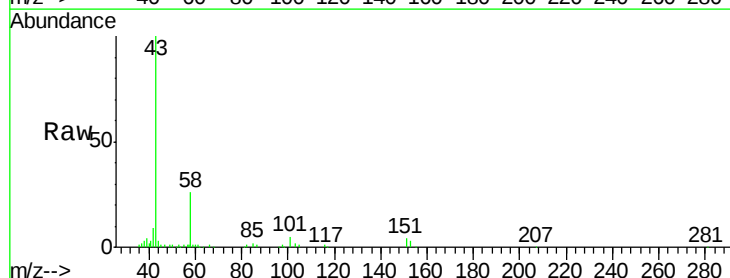
RT: 4.13 min Scan# 365

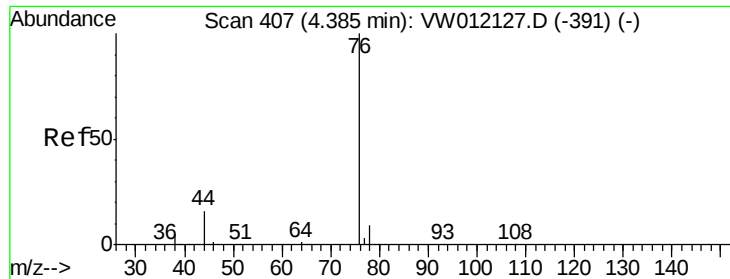
Delta R.T. 0.01 min

Lab File: VW012581.D

Acq: 04 Sep 2019 08:22

Tgt Ion:	43	Resp:	62229
Ion	Ratio	Lower	Upper
43	100		
58	26.1	22.4	33.6





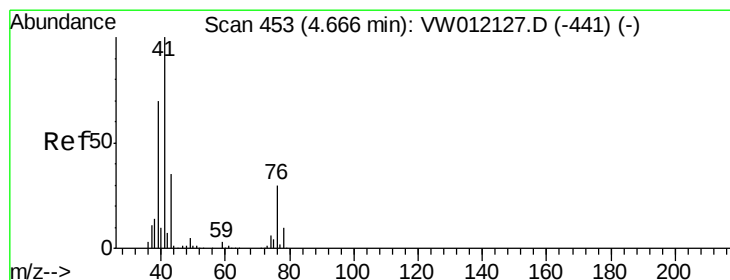
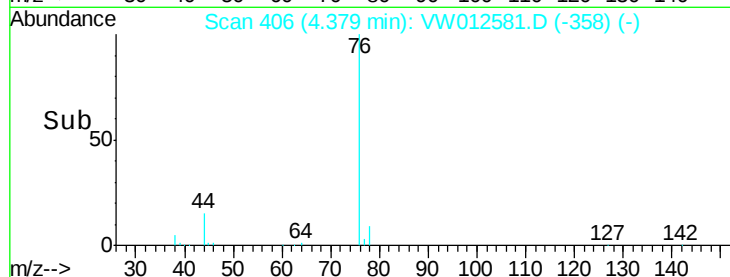
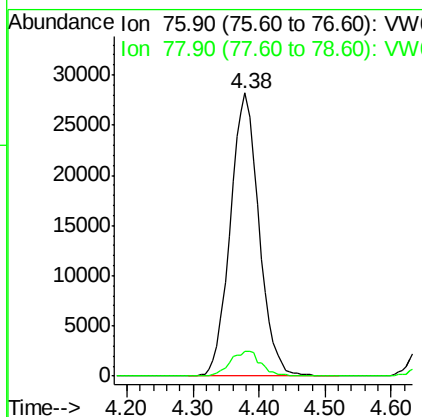
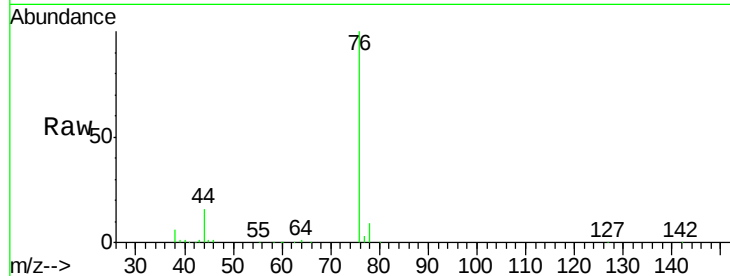
#17
Carbon Disulfide
Concen: 13.373 ug/l
RT: 4.38 min Scan# 406
Delta R.T. -0.01 min
Lab File: VW012581.D
Acq: 04 Sep 2019 08:22

Instrument :
MSVOA_W
ClientSampleId :
VW0903SBSD04

Tot Ion: 76 Resp: 84706
Ion Ratio Lower Upper
76 100
78 9.0 7.3 10.9

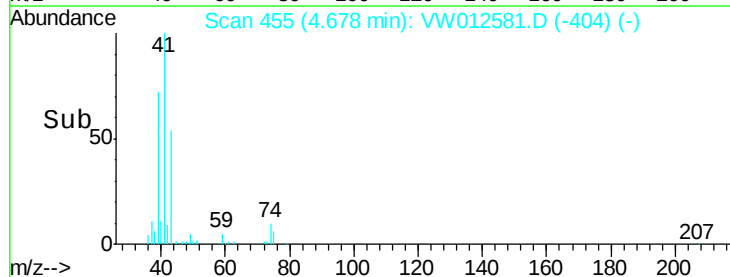
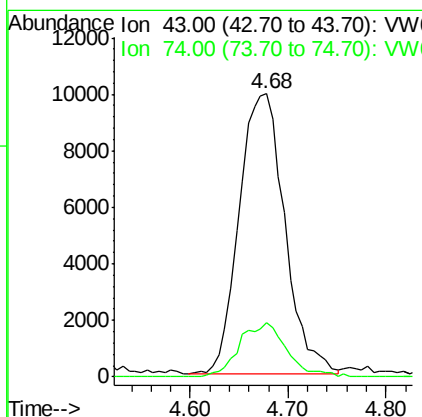
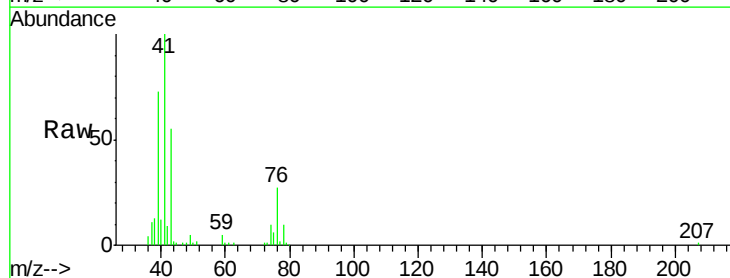
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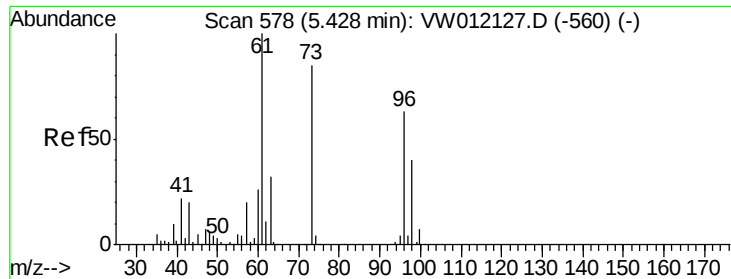
MMDadoda
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#18
Methyl Acetate
Concen: 20.487 ug/l
RT: 4.68 min Scan# 455
Delta R.T. 0.01 min
Lab File: VW012581.D
Acq: 04 Sep 2019 08:22

Tgt Ion: 43 Resp: 32217
Ion Ratio Lower Upper
43 100
74 19.8 15.7 23.5





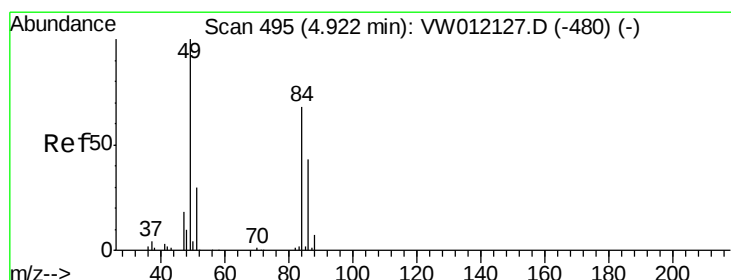
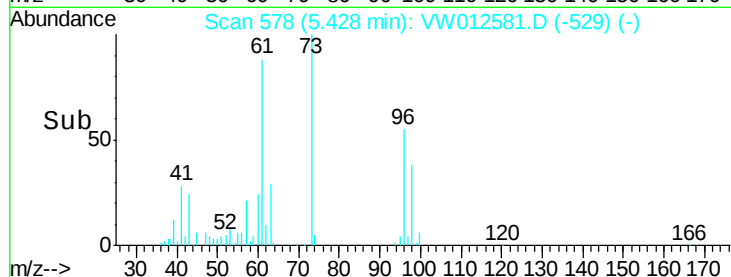
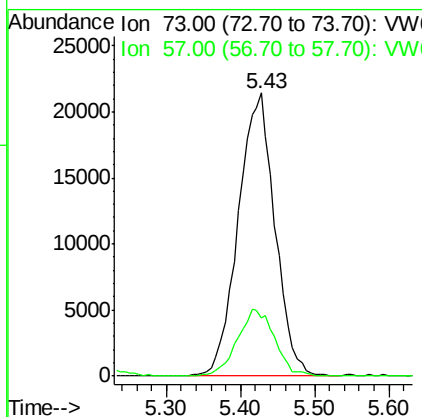
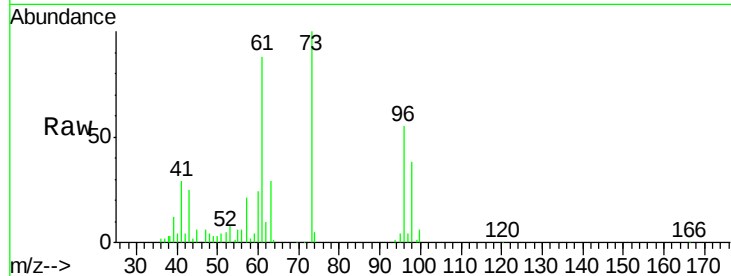
#19
Methyl tert-butyl Ether
Concen: 21.798 ug/l
RT: 5.43 min Scan# 578
Delta R.T. -0.00 min
Lab File: VW012581.D
Acq: 04 Sep 2019 08:22

Instrument :
MSVOA_W
ClientSampleId :
VW0903SBS04

Tot Ion	Ratio	Lower	Upper
73	100		
57	20.6	18.9	28.3

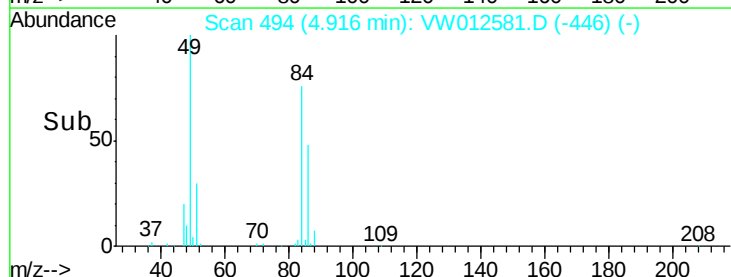
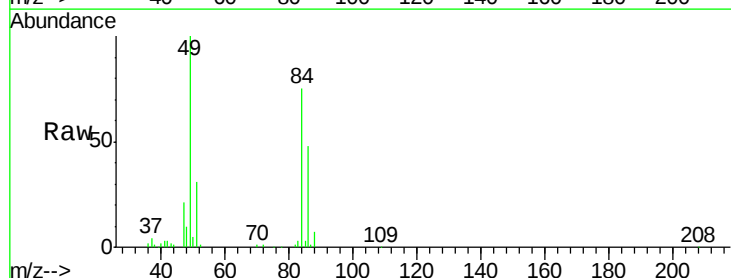
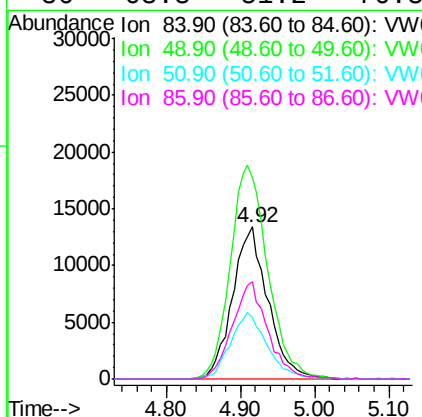
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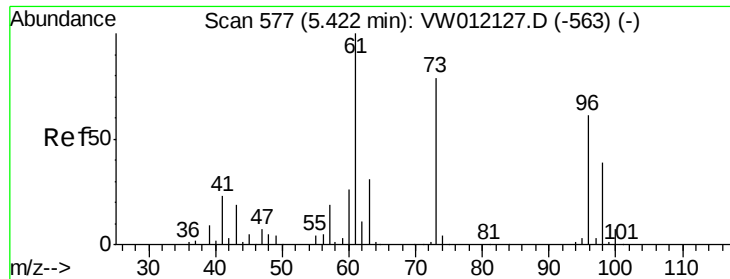
MMDadoda
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#20
Methylene Chloride
Concen: 18.655 ug/l
RT: 4.92 min Scan# 494
Delta R.T. -0.01 min
Lab File: VW012581.D
Acq: 04 Sep 2019 08:22

Tgt Ion	Ratio	Lower	Upper
84	100		
49	132.5	117.8	176.8
51	40.7	35.6	53.4
86	63.8	51.2	76.8





#21

trans-1,2-Dichloroethene

Concen: 18.878 ug/l

RT: 5.42 min Scan# 577

Delta R.T. -0.00 min

Lab File: VW012581.D

Acq: 04 Sep 2019 08:22

Instrument :

MSVOA_W

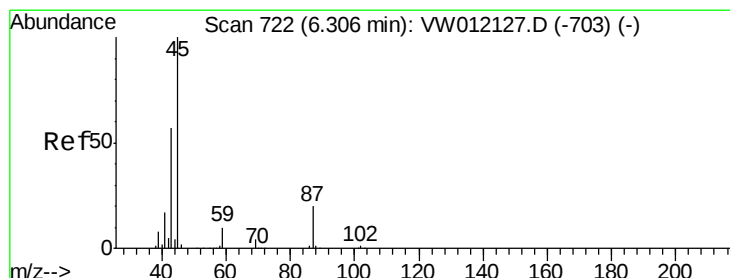
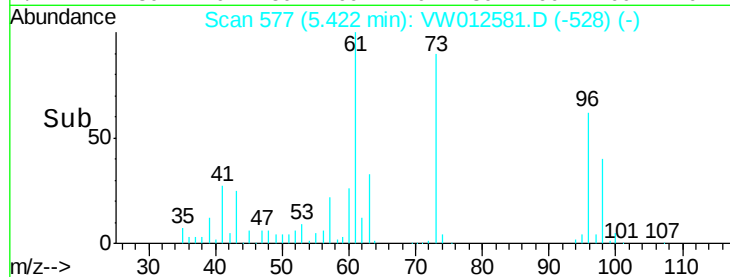
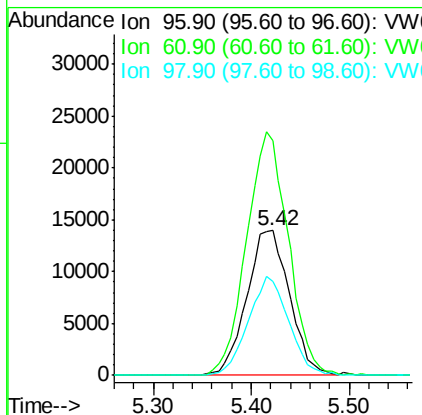
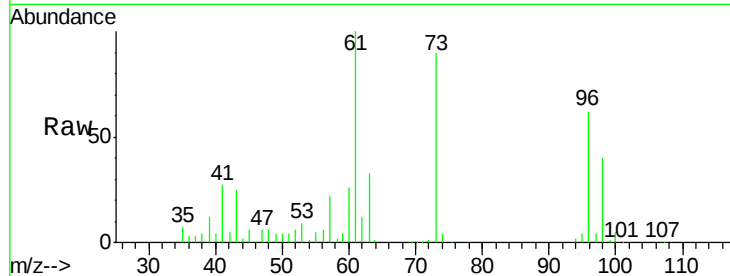
ClientSampleId :

VW0903SBS04

Tot Ion:	96	Resp:	42427
Ion	Ratio	Lower	Upper
96	100		
61	162.1	131.4	197.0
98	64.6	51.4	77.0

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#22

Diisopropyl ether

Concen: 20.433 ug/l

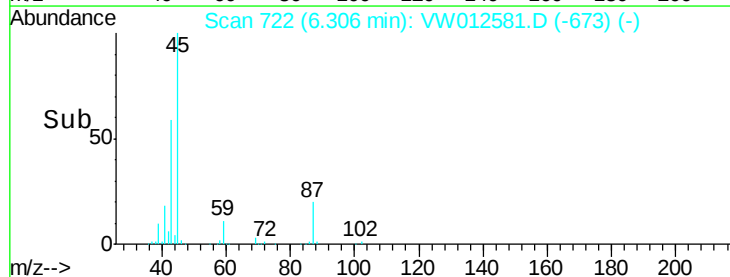
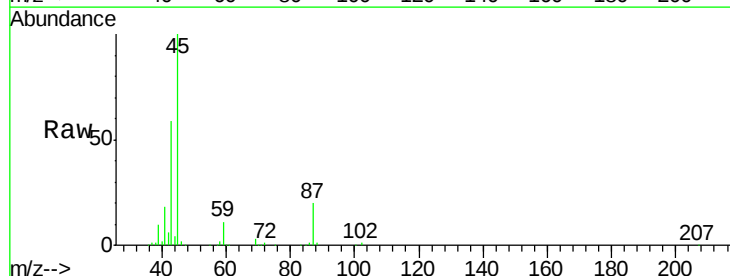
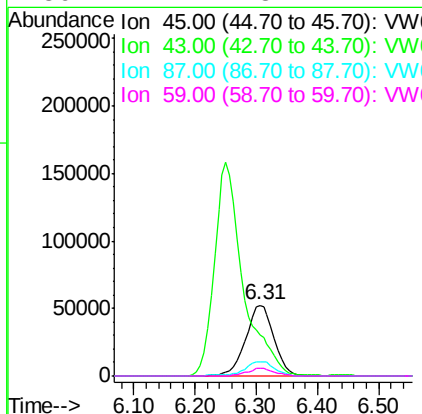
RT: 6.31 min Scan# 722

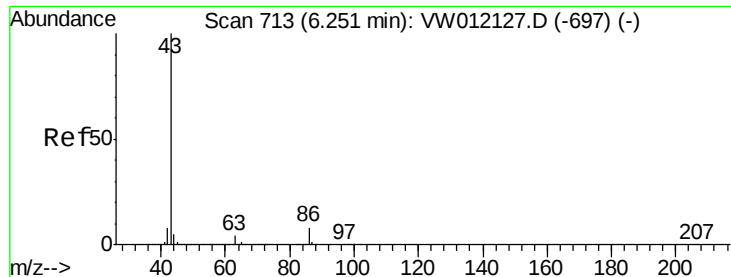
Delta R.T. -0.00 min

Lab File: VW012581.D

Acq: 04 Sep 2019 08:22

Tgt Ion:	45	Resp:	169701
Ion	Ratio	Lower	Upper
45	100		
43	58.2	45.5	68.3
87	19.7	16.1	24.1
59	11.1	8.2	12.2





#23

Vinyl Acetate

Concen: 101.636 ug/l

RT: 6.25 min Scan# 713

Delta R.T. -0.00 min

Lab File: VW012581.D

Acq: 04 Sep 2019 08:22

Instrument :

MSVOA_W

ClientSampleId :

VW0903SBS04

Tot Ion: 43 Resp: 519473

Ion Ratio Lower Upper

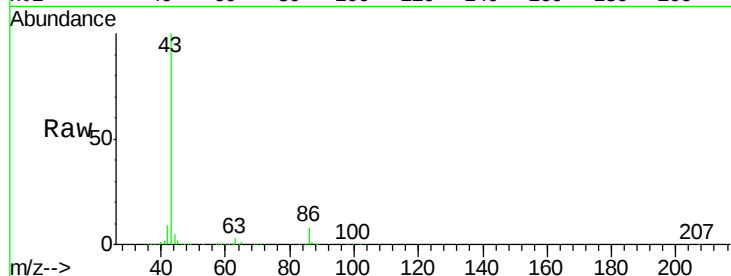
43 100

86 7.8 6.5 9.7

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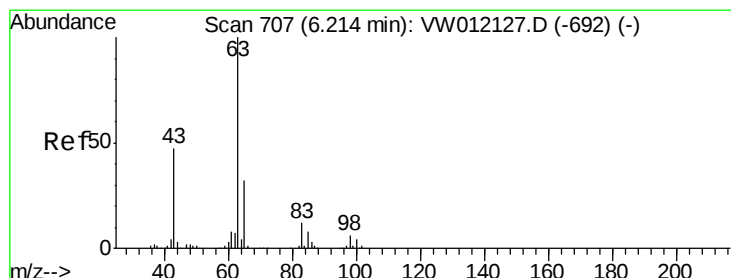
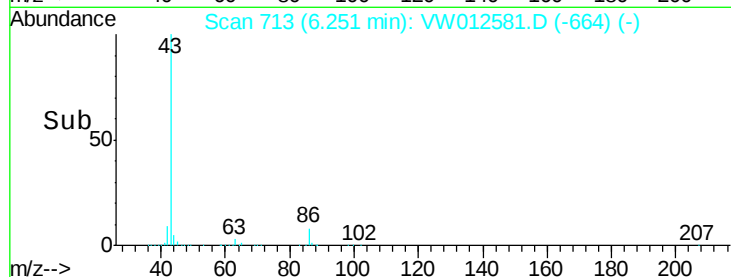
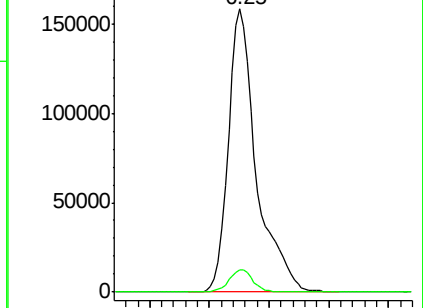
MMDadoda

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Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 86.00 (85.70 to 86.70): VW



#24

1,1-Dichloroethane

Concen: 20.133 ug/l

RT: 6.21 min Scan# 707

Delta R.T. -0.00 min

Lab File: VW012581.D

Acq: 04 Sep 2019 08:22

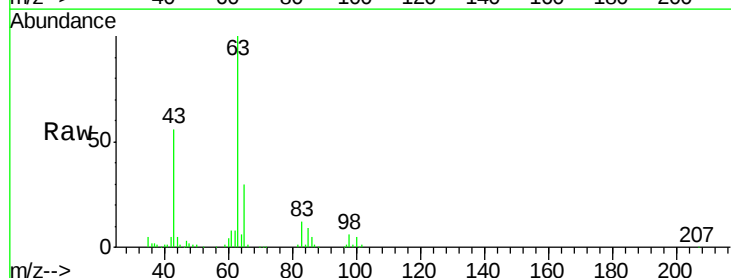
Tgt Ion: 63 Resp: 91043

Ion Ratio Lower Upper

63 100

98 5.6 3.0 9.2

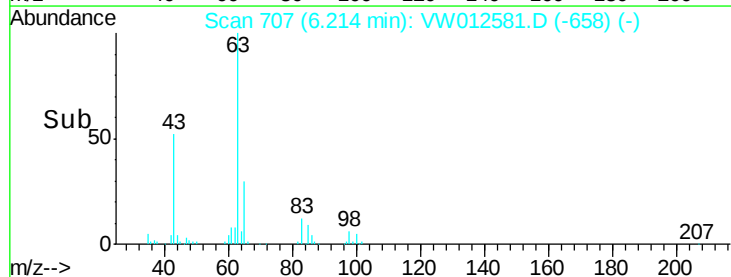
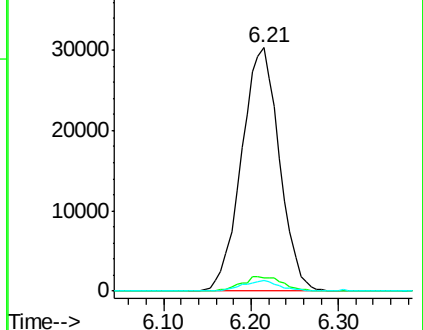
100 4.4 2.0 6.0

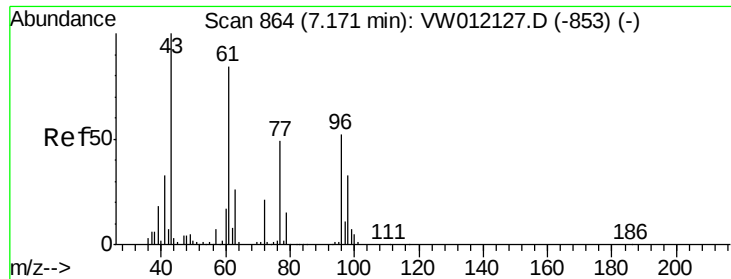


Abundance Ion 62.90 (62.60 to 63.60): VW

Ion 97.90 (97.60 to 98.60): VW

Ion 99.90 (99.60 to 100.60): VW





#25

2-Butanone

Concen: 109.749 ug/l

RT: 7.18 min Scan# 865

Delta R.T. 0.01 min

Lab File: VW012581.D

Acq: 04 Sep 2019 08:22

Instrument :

MSVOA_W

ClientSampleId :

VW0903SBS04

Tot Ion: 43 Resp: 94690

Ion Ratio Lower Upper

43 100

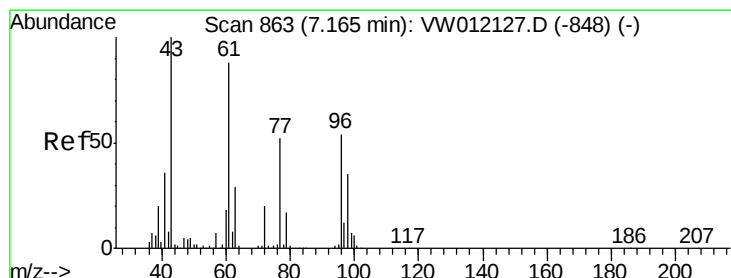
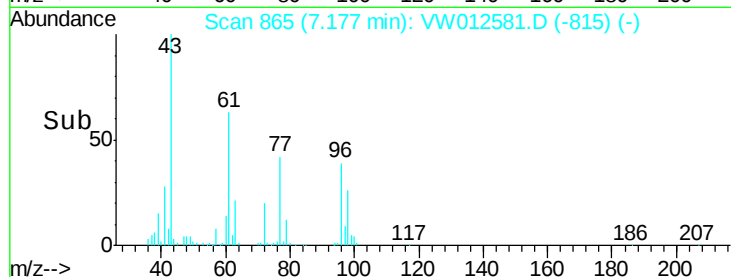
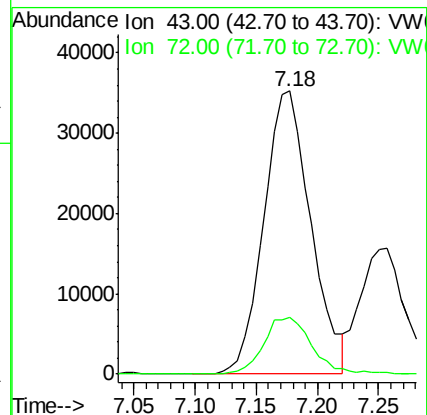
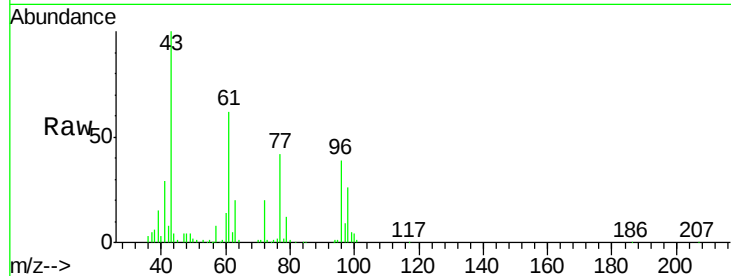
72 20.1 16.6 24.8

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#26

2,2-Dichloropropane

Concen: 21.813 ug/l

RT: 7.16 min Scan# 862

Delta R.T. -0.01 min

Lab File: VW012581.D

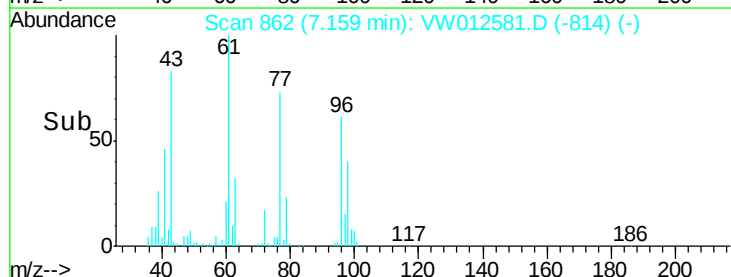
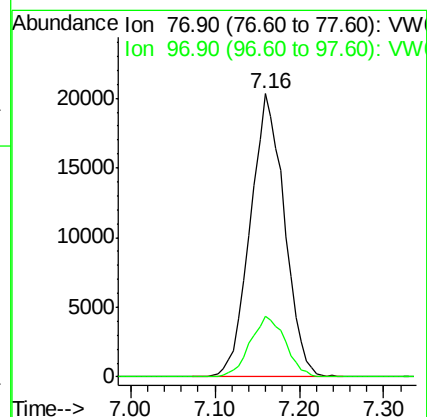
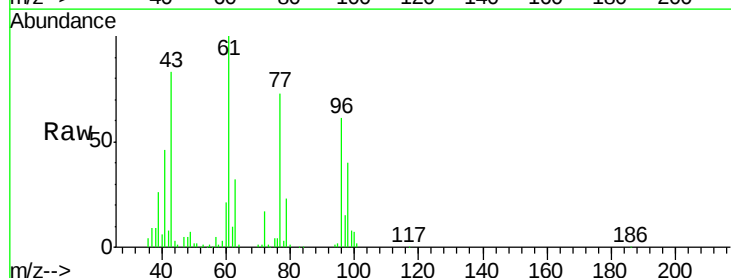
Acq: 04 Sep 2019 08:22

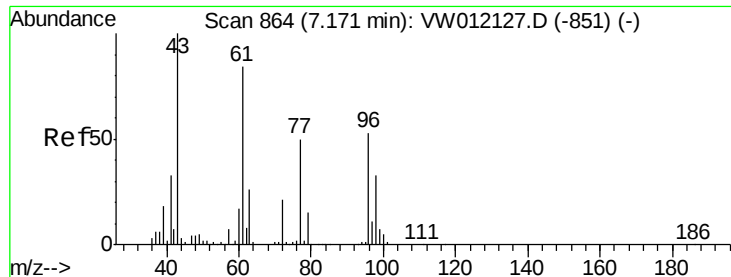
Tgt Ion: 77 Resp: 55831

Ion Ratio Lower Upper

77 100

97 22.1 11.1 33.1





#27

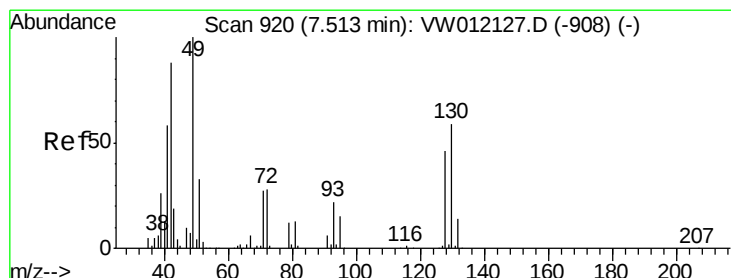
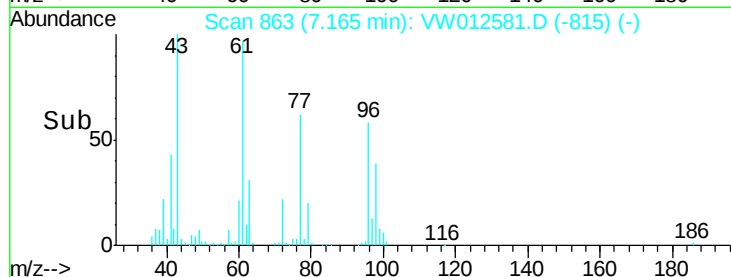
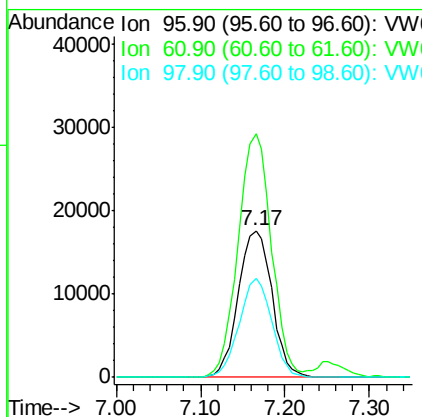
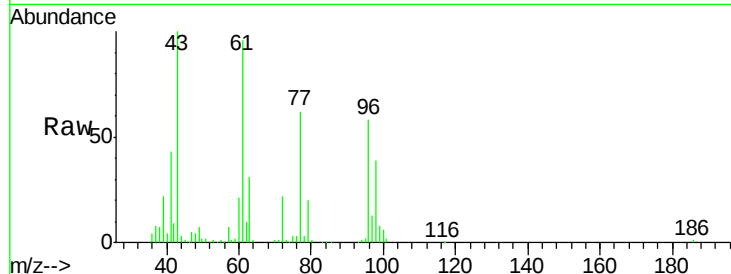
cis-1,2-Dichloroethene
Concen: 19.810 ug/l
RT: 7.17 min Scan# 863
Delta R.T. -0.01 min
Lab File: VW012581.D
Acq: 04 Sep 2019 08:22

Instrument :
MSVOA_W
ClientSampleId :
VW0903SBSD04

Tot Ion	Ratio	Resp	Lower	Upper
96	100	47567		
61	164.1	0.0	326.6	
98	65.1	0.0	127.4	

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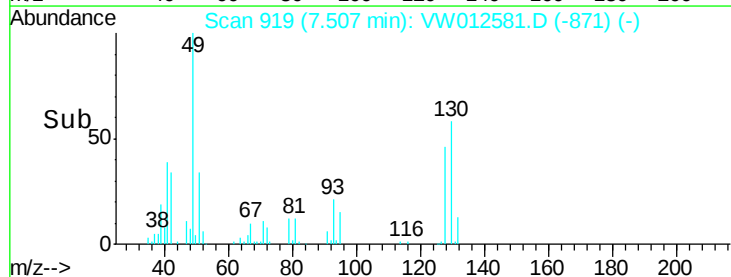
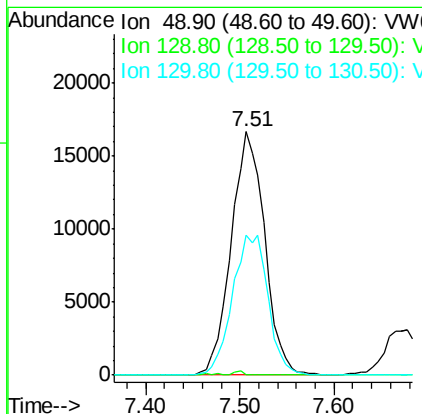
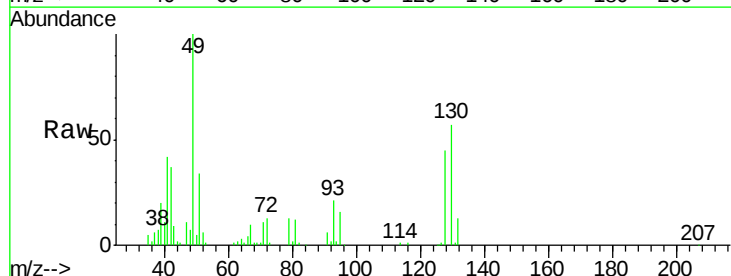
MMDadoda
9/4/2019 9:34:22 AM

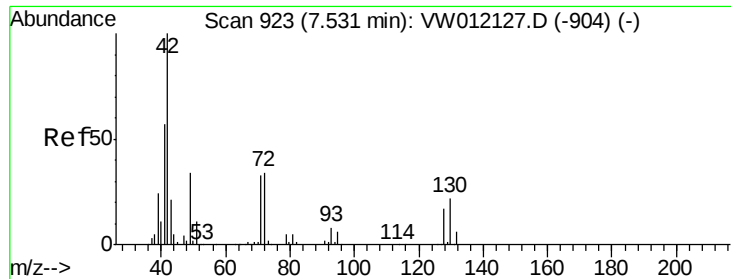


#28

Bromochloromethane
Concen: 21.000 ug/l
RT: 7.51 min Scan# 919
Delta R.T. -0.01 min
Lab File: VW012581.D
Acq: 04 Sep 2019 08:22

Tgt Ion	Ratio	Resp	Lower	Upper
49	100	41389		
129	0.4	0.0	1.4	
130	60.9	45.5	68.3	





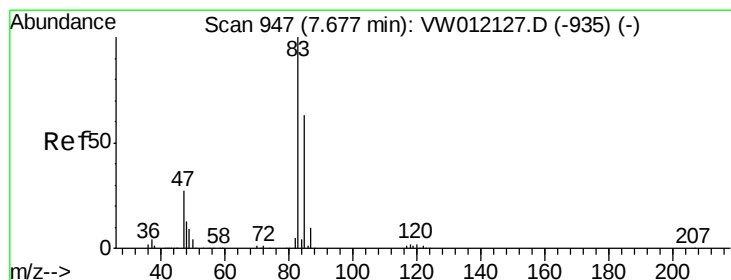
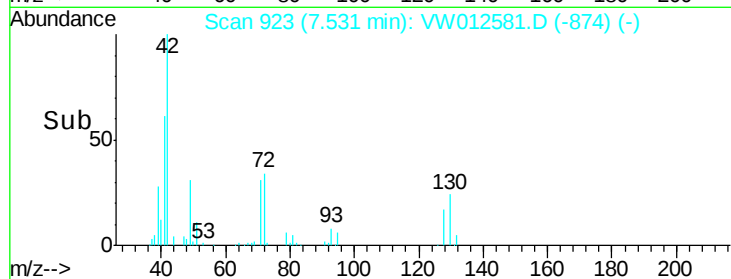
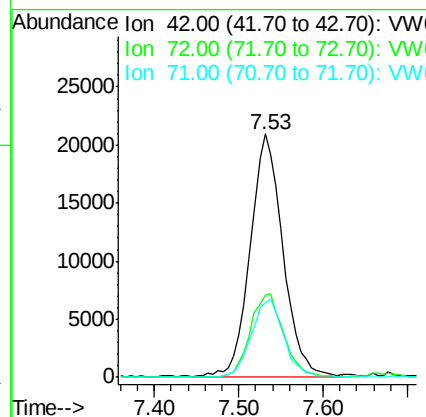
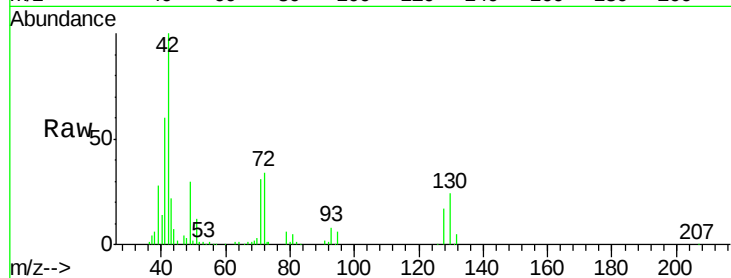
#29
Tetrahydrofuran
Concen: 105.736 ug/l
RT: 7.53 min Scan# 923
Delta R.T. -0.00 min
Lab File: VW012581.D
Acq: 04 Sep 2019 08:22

Instrument :
MSVOA_W
ClientSampleId :
VW0903SBSD04

Tot Ion	Ratio	Lower	Upper
42	100		
72	35.5	27.3	40.9
71	32.4	25.5	38.3

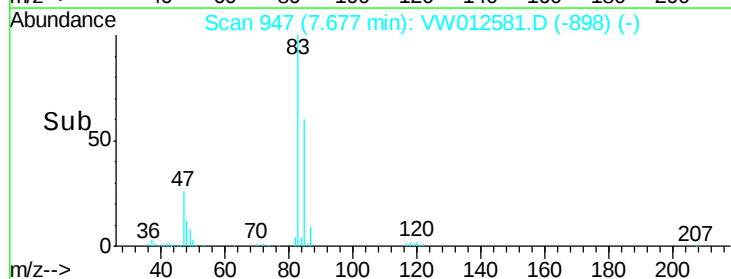
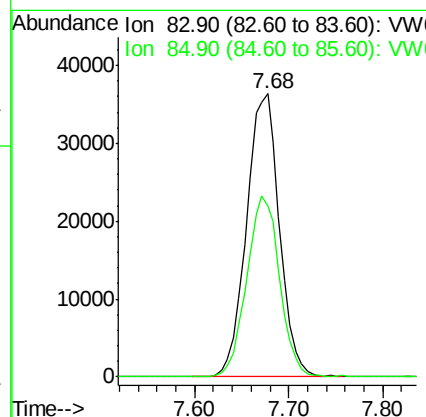
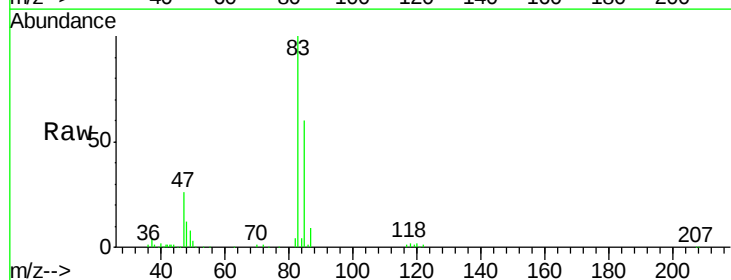
Manual Integrations
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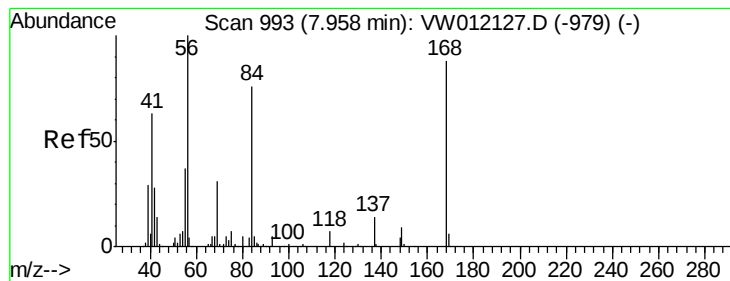
MMDadoda
9/4/2019 9:34:22 AM



#30
Chloroform
Concen: 21.504 ug/l
RT: 7.68 min Scan# 947
Delta R.T. -0.00 min
Lab File: VW012581.D
Acq: 04 Sep 2019 08:22

Tgt Ion	Ratio	Lower	Upper
83	100		
85	60.5	50.6	76.0





#31

Cyclohexane

Concen: 17.430 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.01 min

Lab File: VW012581.D

Acq: 04 Sep 2019 08:22

Instrument :

MSVOA_W

ClientSampleId :

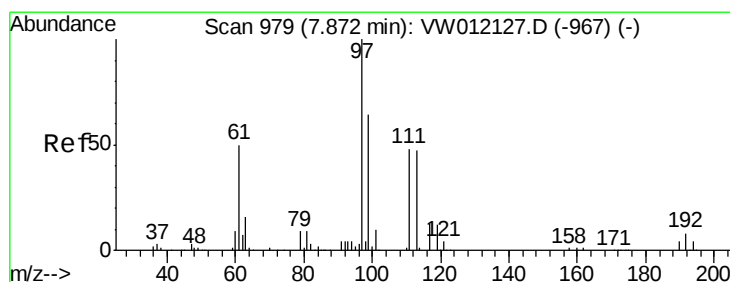
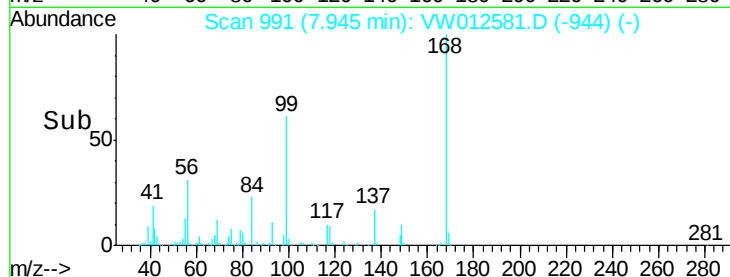
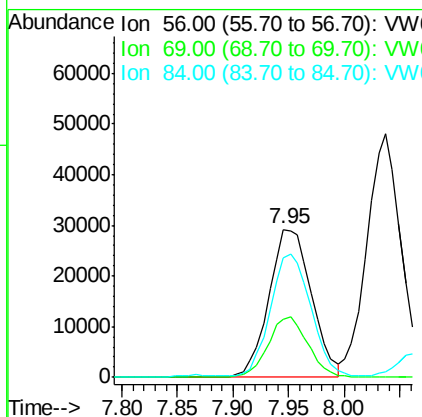
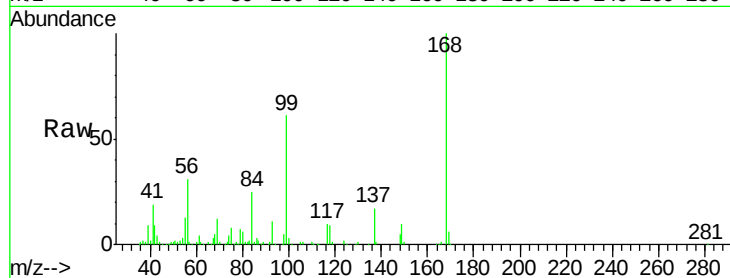
VW0903SBS04

Tot Ion: 56 Resp: 77982

Ion	Ratio	Lower	Upper
56	100		
69	38.9	24.9	37.3#
84	79.6	60.6	90.8

Manual Integrations
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#32

1,1,1-Trichloroethane

Concen: 21.444 ug/l

RT: 7.87 min Scan# 979

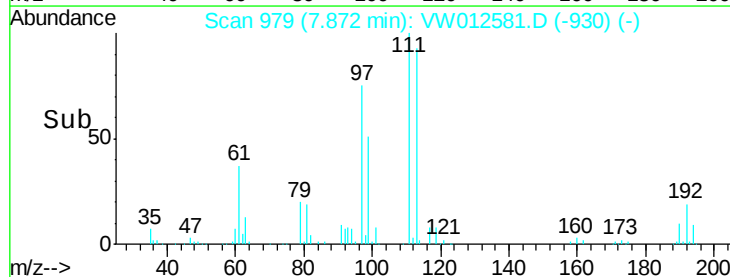
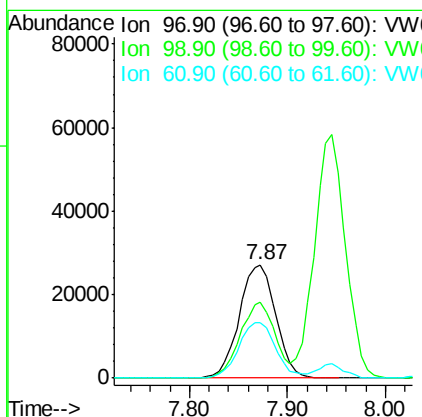
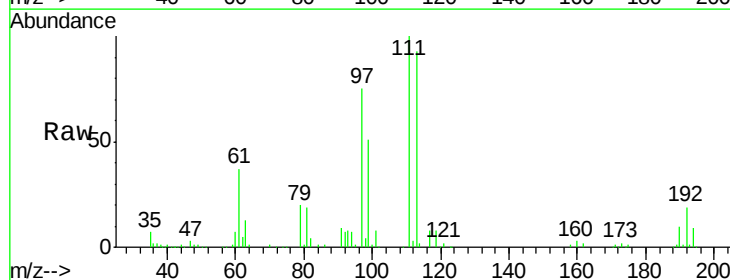
Delta R.T. -0.00 min

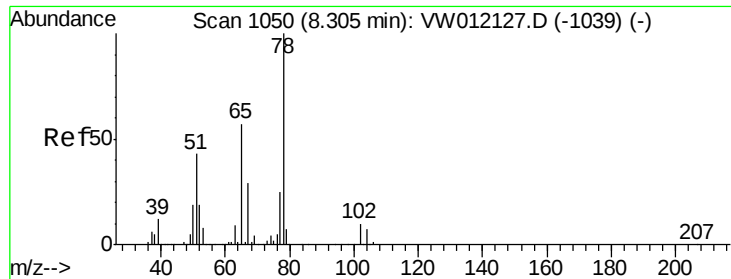
Lab File: VW012581.D

Acq: 04 Sep 2019 08:22

Tgt Ion: 97 Resp: 70183

Ion	Ratio	Lower	Upper
97	100		
99	64.6	51.4	77.0
61	49.6	39.5	59.3





#33

1,2-Dichloroethane-d4

Concen: 50.684 ug/l

RT: 8.30 min Scan# 1049

Delta R.T. -0.01 min

Lab File: VW012581.D

Acq: 04 Sep 2019 08:22

Instrument :

MSVOA_W

ClientSampleId :

VW0903SBS04

Tot Ion: 65 Resp: 125892

Ion Ratio Lower Upper

65 100

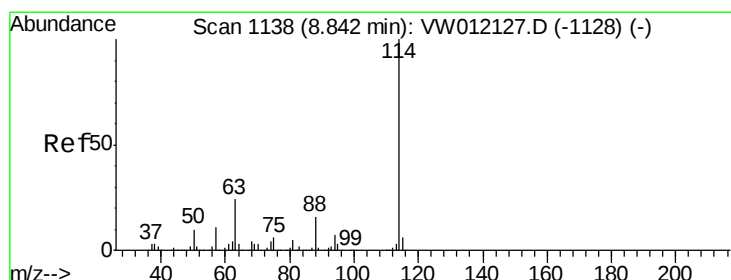
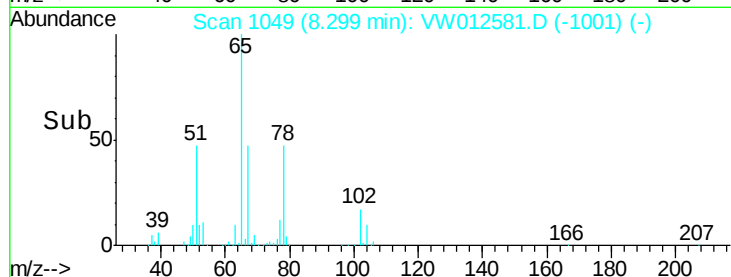
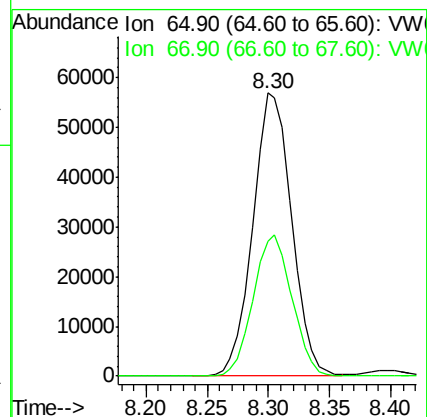
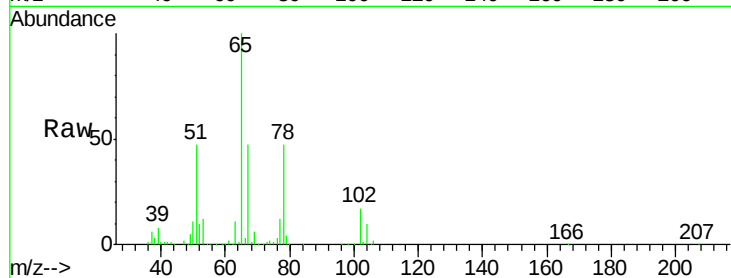
67 49.8 0.0 102.6

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#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.84 min Scan# 1138

Delta R.T. -0.00 min

Lab File: VW012581.D

Acq: 04 Sep 2019 08:22

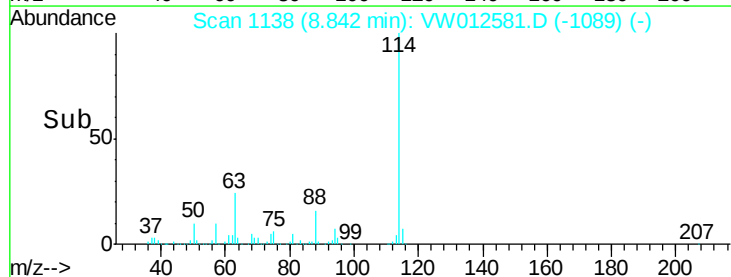
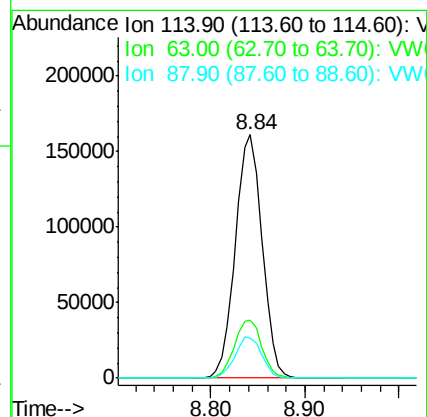
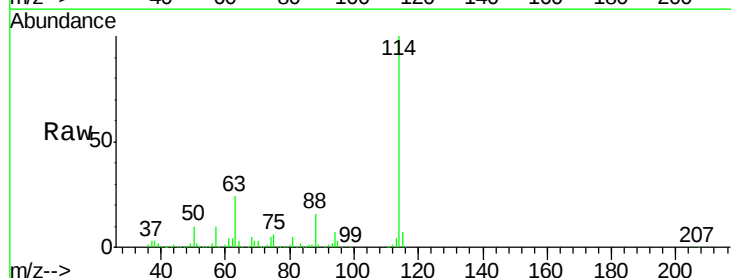
Tgt Ion: 114 Resp: 319052

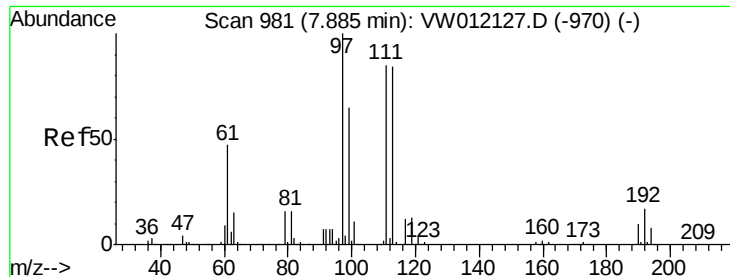
Ion Ratio Lower Upper

114 100

63 23.6 0.0 48.6

88 16.3 0.0 32.2





#35

Dibromofluoromethane

Concen: 50.293 ug/l

RT: 7.88 min Scan# 980

Delta R.T. -0.01 min

Lab File: VW012581.D

Acq: 04 Sep 2019 08:22

Instrument :

MSVOA_W

ClientSampleId :

VW0903SBS04

Tot Ion:113 Resp: 95779

Ion Ratio Lower Upper

113 100

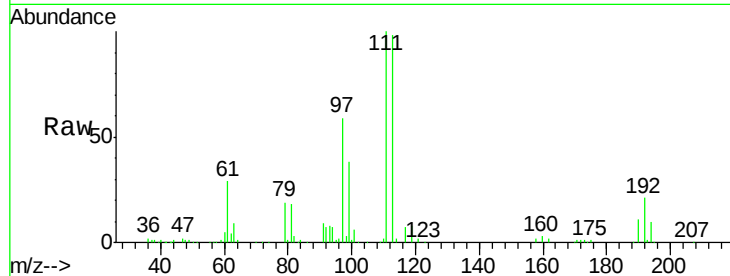
111 104.3 82.7 124.1

192 21.1 16.2 24.2

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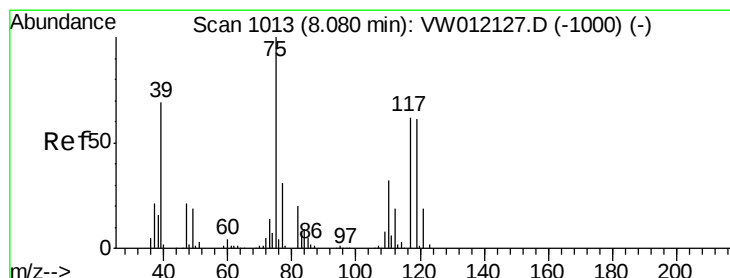
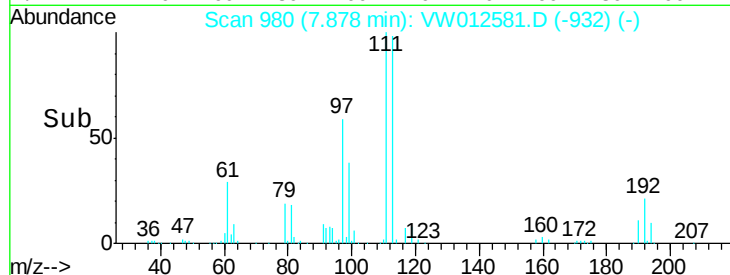
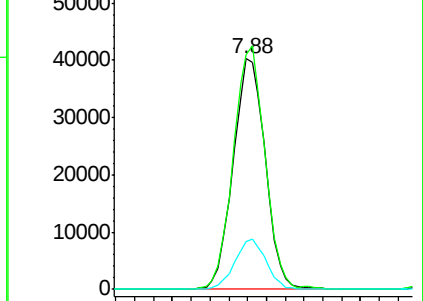
9/4/2019 9:34:22 AM



Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V



#36

1,1-Dichloropropene

Concen: 20.529 ug/l

RT: 8.08 min Scan# 1013

Delta R.T. -0.00 min

Lab File: VW012581.D

Acq: 04 Sep 2019 08:22

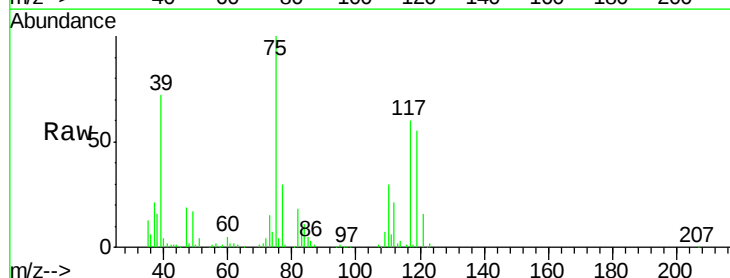
Tgt Ion: 75 Resp: 67686

Ion Ratio Lower Upper

75 100

110 31.5 15.6 46.8

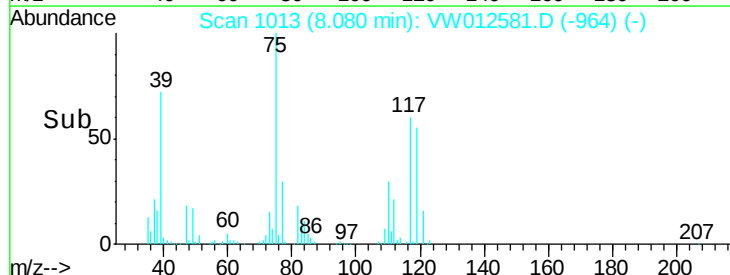
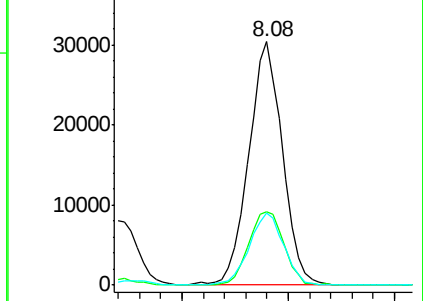
77 30.4 24.6 36.8

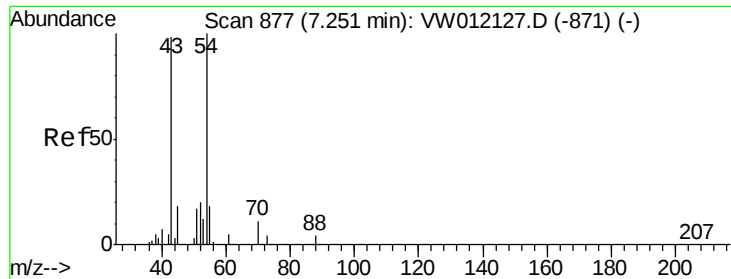


Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VW





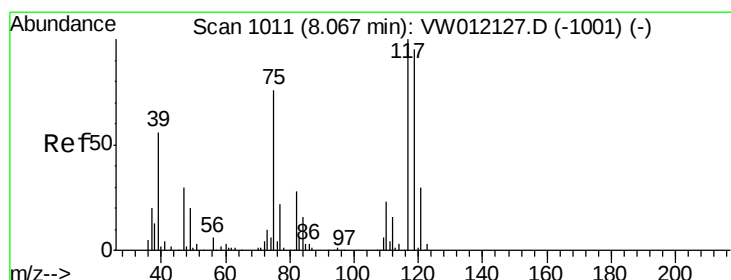
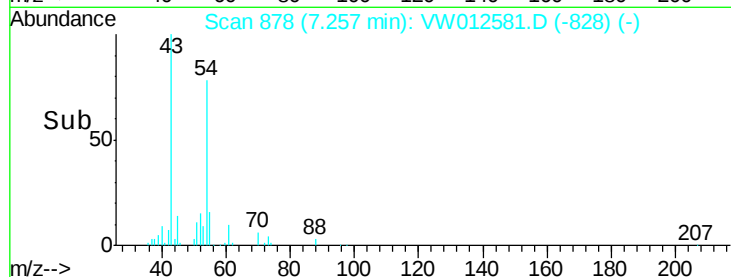
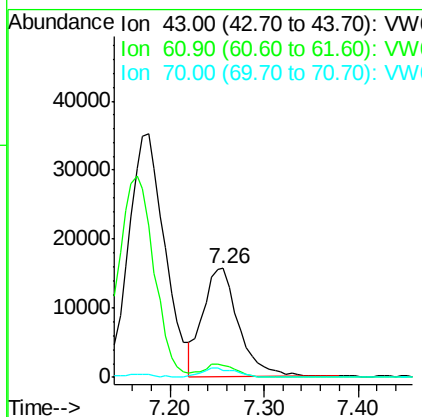
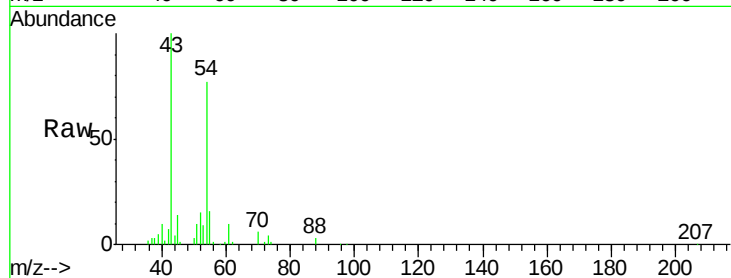
#37
Ethyl Acetate
Concen: 22.870 ug/l
RT: 7.26 min Scan# 878
Delta R.T. 0.01 min
Lab File: VW012581.D
Acq: 04 Sep 2019 08:22

Instrument :
MSVOA_W
ClientSampleId :
VW0903SBS04

Tot Ion	Ratio	Lower	Upper
43	100		
61	10.6	9.2	13.8
70	8.7	6.9	10.3

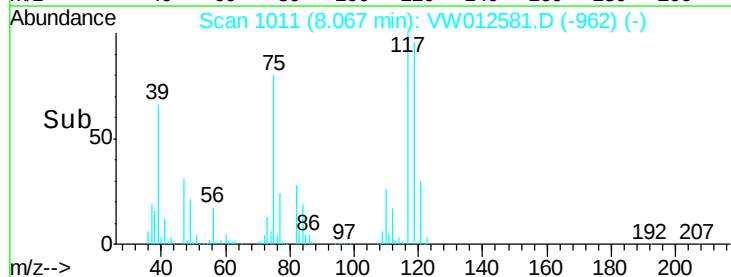
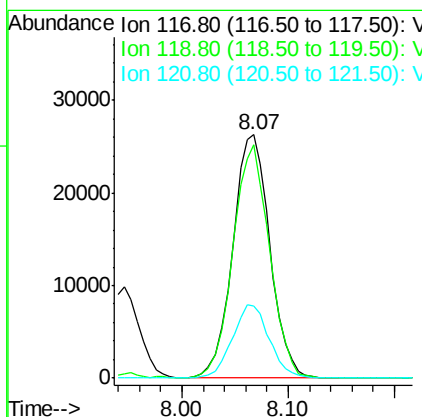
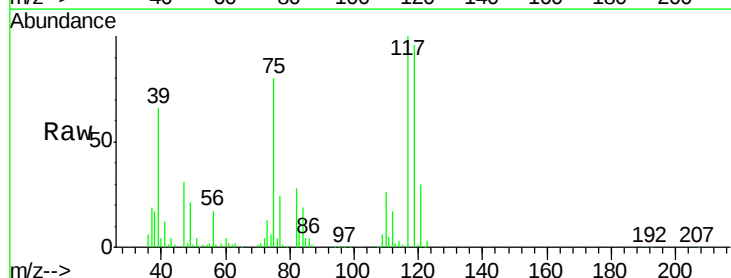
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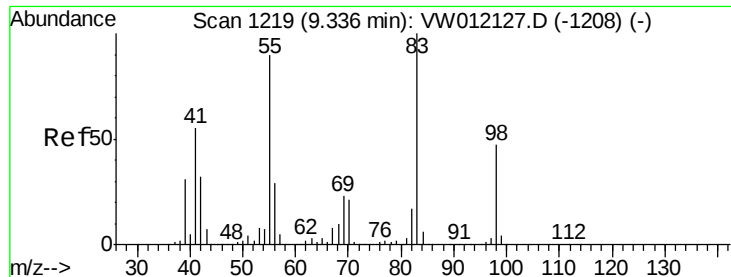
MMDadoda
9/4/2019 9:34:22 AM



#38
Carbon Tetrachloride
Concen: 22.495 ug/l
RT: 8.07 min Scan# 1011
Delta R.T. -0.00 min
Lab File: VW012581.D
Acq: 04 Sep 2019 08:22

Tgt Ion	Ratio	Lower	Upper
117	100		
119	96.1	76.2	114.2
121	29.6	23.8	35.8





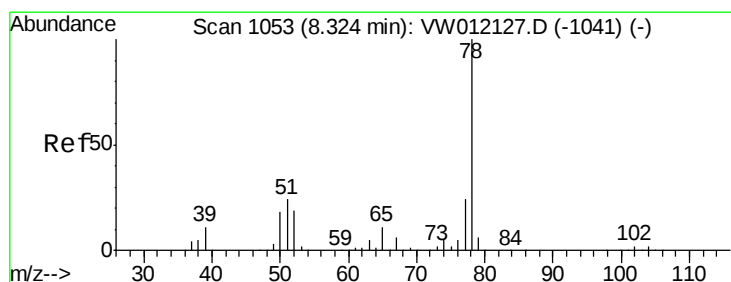
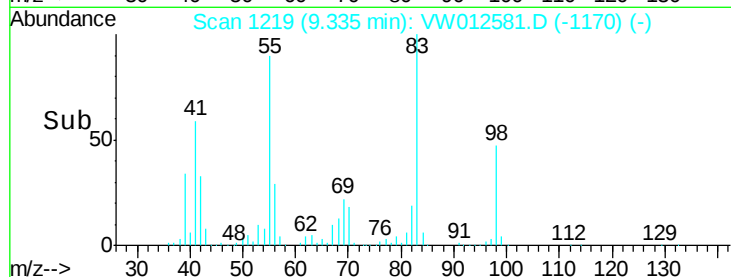
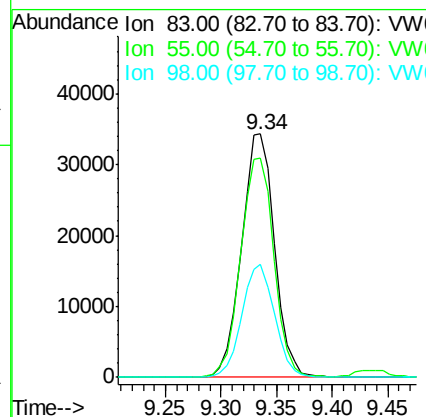
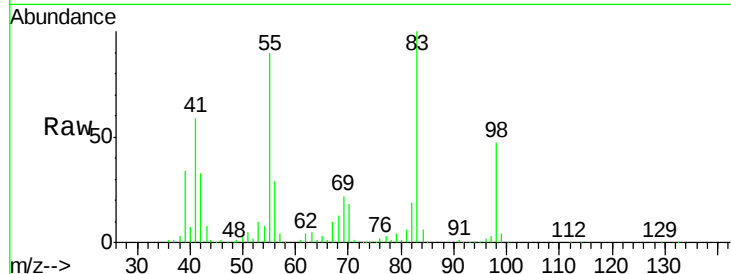
#39
Methvlcvclohexane
Concen: 19.009 ug/l
RT: 9.34 min Scan# 1219
Delta R.T. -0.00 min
Lab File: VW012581.D
Acq: 04 Sep 2019 08:22

Instrument :
MSVOA_W
ClientSampleId :
VW0903SBSD04

Tot Ion	83.00	Resp	70407
Ion	Ratio	Lower	Upper
83	100		
55	90.1	71.8	107.8
98	46.6	37.8	56.8

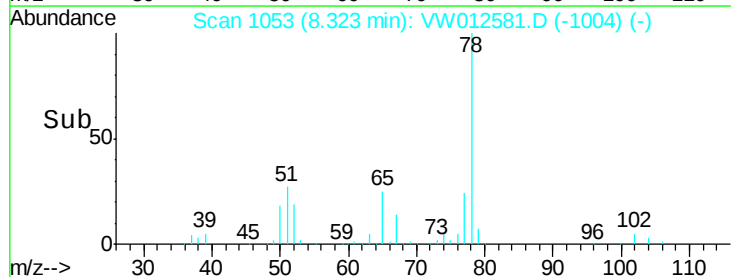
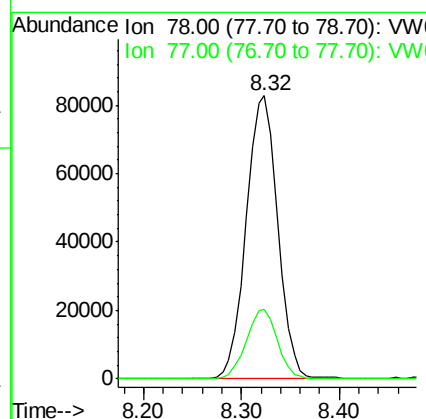
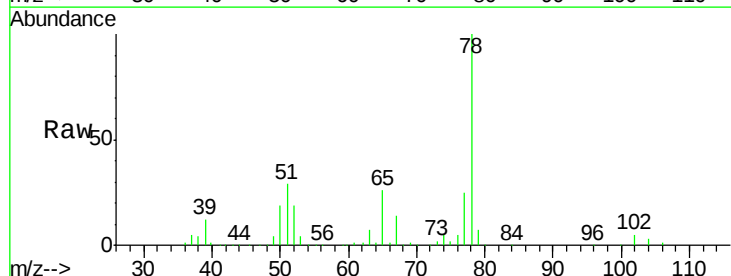
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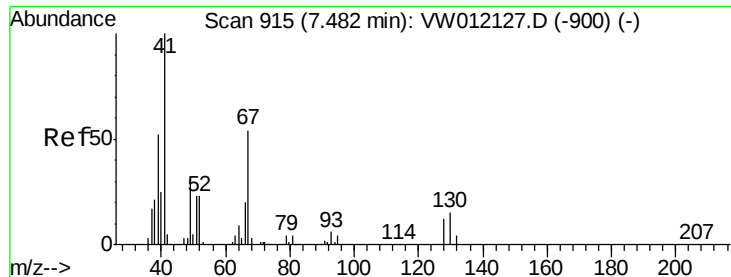
MMDadoda
9/4/2019 9:34:22 AM



#40
Benzene
Concen: 20.520 ug/l
RT: 8.32 min Scan# 1053
Delta R.T. -0.00 min
Lab File: VW012581.D
Acq: 04 Sep 2019 08:22

Tgt Ion	78	Resp	184741
Ion	Ratio	Lower	Upper
78	100		
77	24.6	19.5	29.3





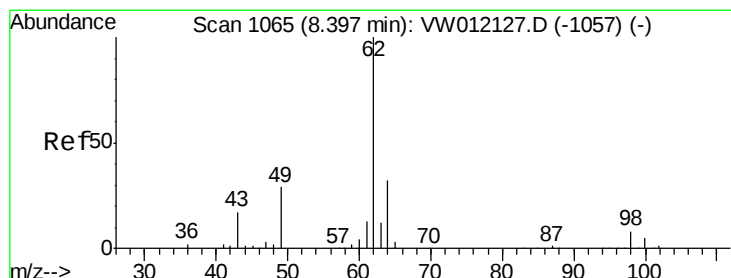
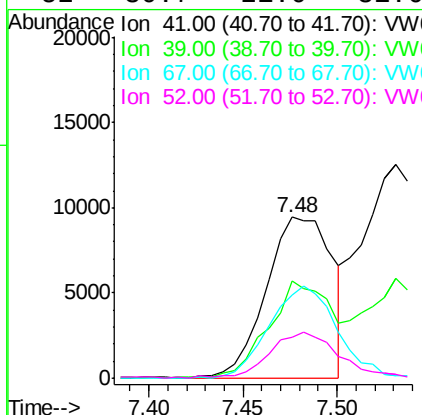
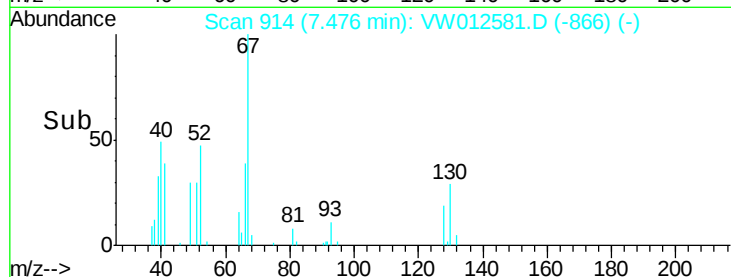
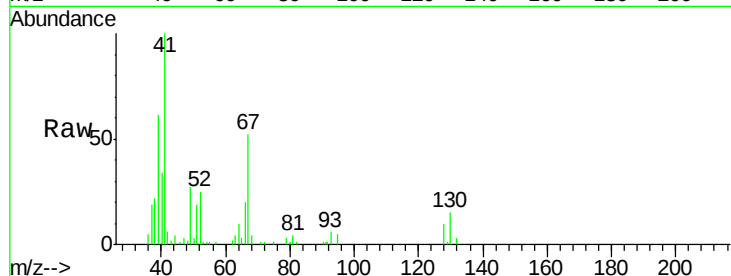
#41
Methacrylonitrile
Concen: 21.718 ug/l
RT: 7.48 min Scan# 914
Delta R.T. -0.01 min
Lab File: VW012581.D
Acq: 04 Sep 2019 08:22

Instrument :
MSVOA_W
ClientSampleId :
VW0903SBSD04

Tot Ion	Ratio	Lower	Upper
41	100		
39	61.5	45.8	68.8
67	59.4	46.2	69.4
52	30.7	21.0	31.6

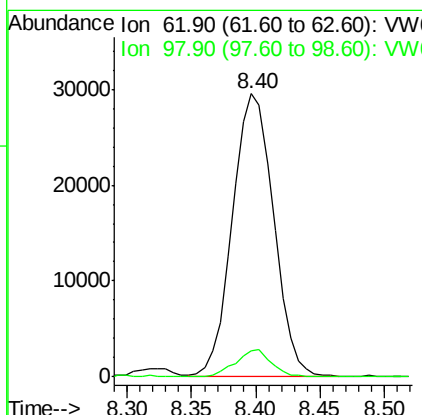
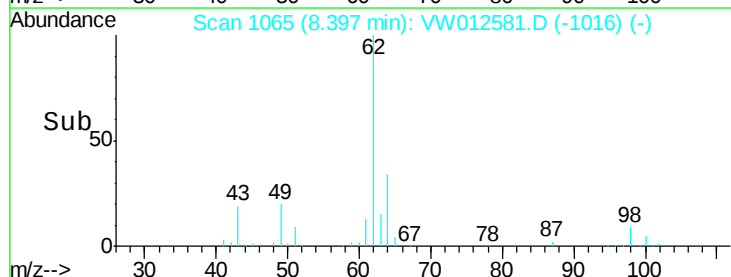
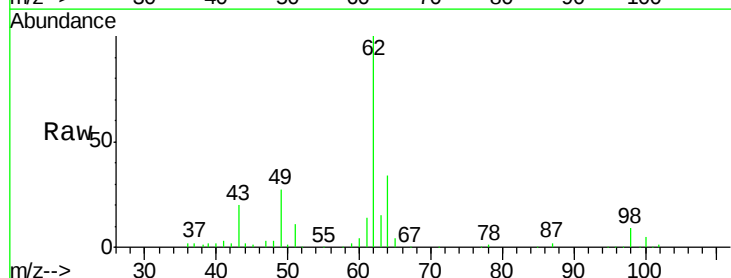
Manual Integrations
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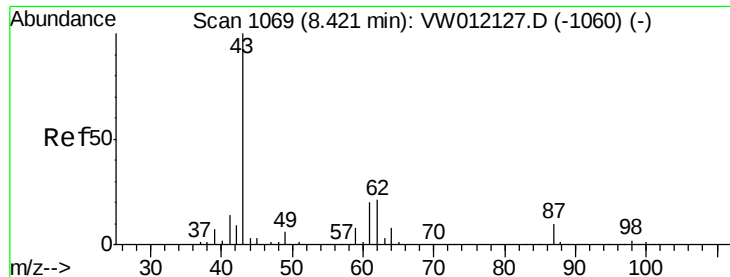
MMDadoda
9/4/2019 9:34:22 AM



#42
1,2-Dichloroethane
Concen: 23.325 ug/l
RT: 8.40 min Scan# 1065
Delta R.T. -0.00 min
Lab File: VW012581.D
Acq: 04 Sep 2019 08:22

Tgt Ion	Ratio	Lower	Upper
62	100		
98	8.5	0.0	16.6





#43

Isopropyl Acetate

Concen: 22.104 ug/l

RT: 8.42 min Scan# 1069

Delta R.T. -0.00 min

Lab File: VW012581.D

Acq: 04 Sep 2019 08:22

Instrument :

MSVOA_W

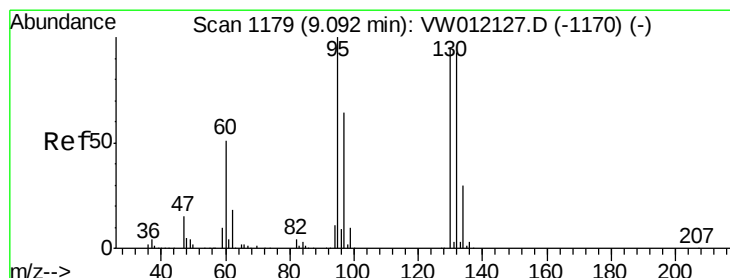
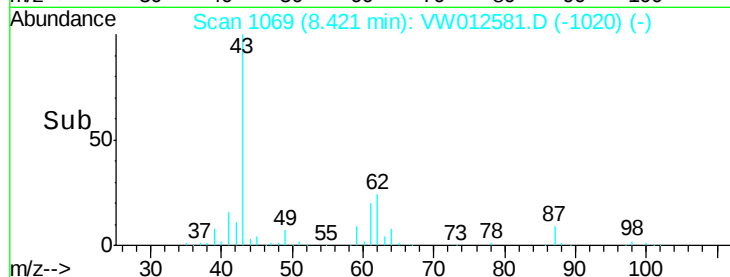
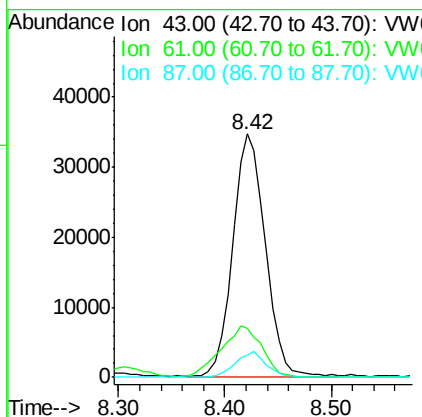
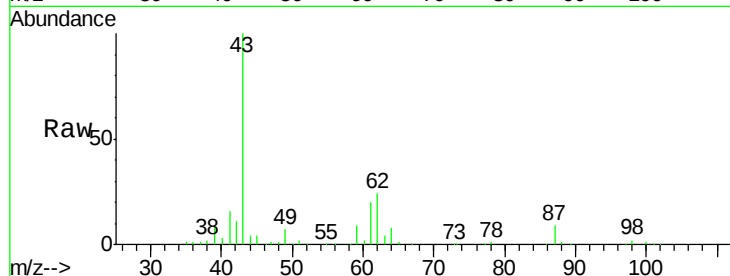
ClientSampleId :

VW0903SBS04

Tot Ion:	43	Resp:	73973
Ion	Ratio	Lower	Upper
43	100		
61	26.4	21.1	31.7
87	10.1	8.2	12.2

Manual Integrations
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MMDadoda
9/4/2019 9:34:22 AM



#44

Trichloroethene

Concen: 21.241 ug/l

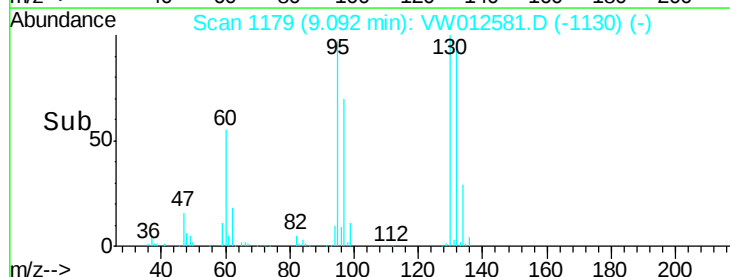
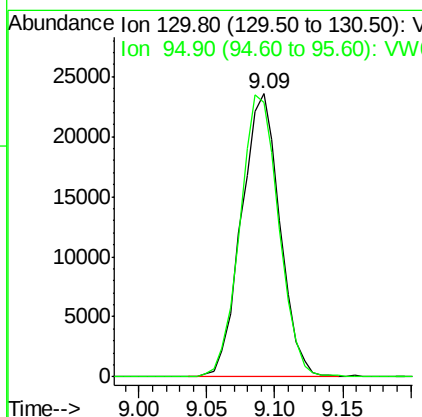
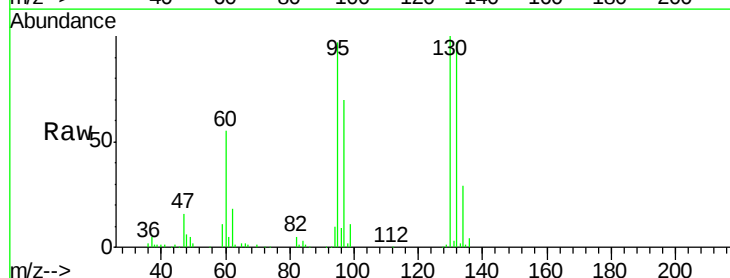
RT: 9.09 min Scan# 1179

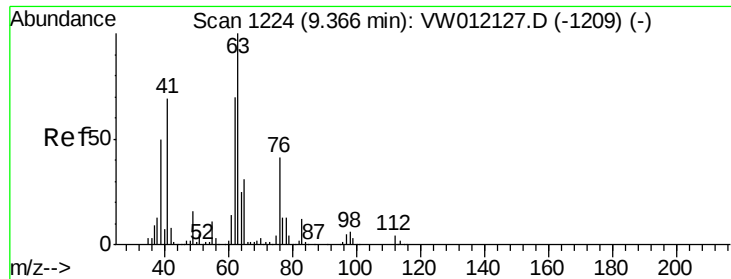
Delta R.T. -0.00 min

Lab File: VW012581.D

Acq: 04 Sep 2019 08:22

Tgt Ion:	130	Resp:	46486
Ion	Ratio	Lower	Upper
130	100		
95	97.0	0.0	210.6





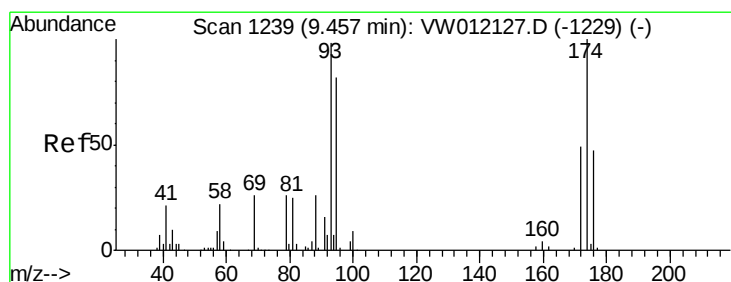
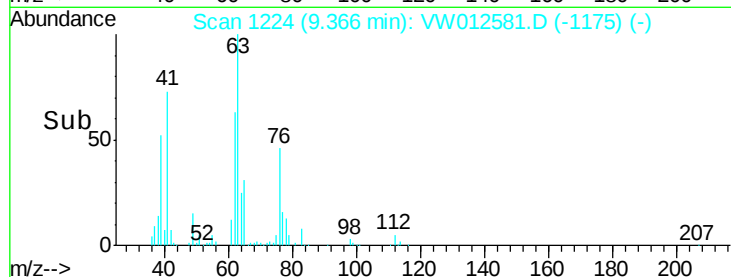
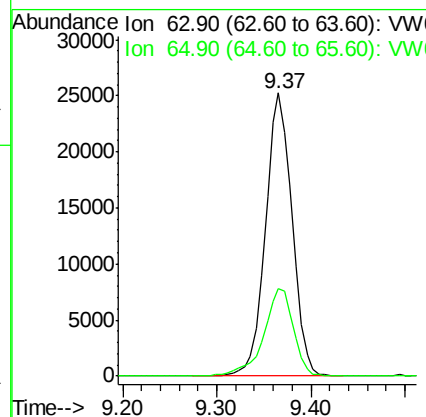
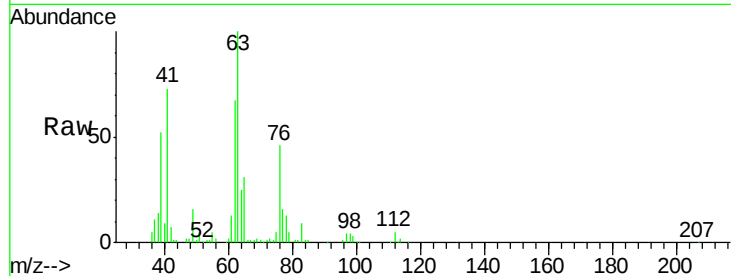
#45
 1,2-Dichloropropane
 Concen: 20.659 ug/l
 RT: 9.37 min Scan# 1224
 Delta R.T. -0.00 min
 Lab File: VW012581.D
 Acq: 04 Sep 2019 08:22

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0903SBS04

Tot Ion	Ratio	Lower	Upper
63	100		
65	31.1	25.0	37.4

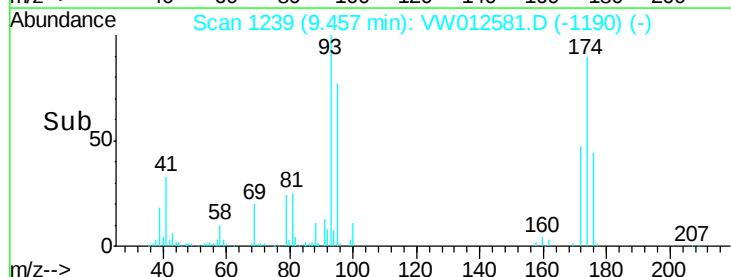
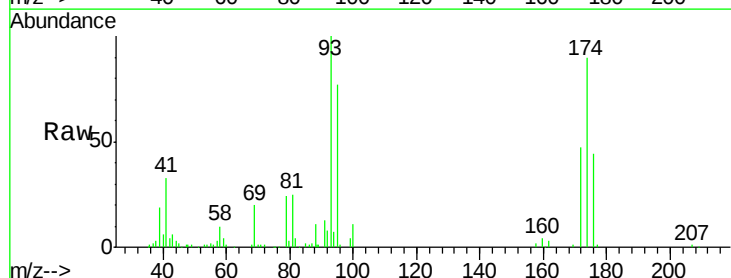
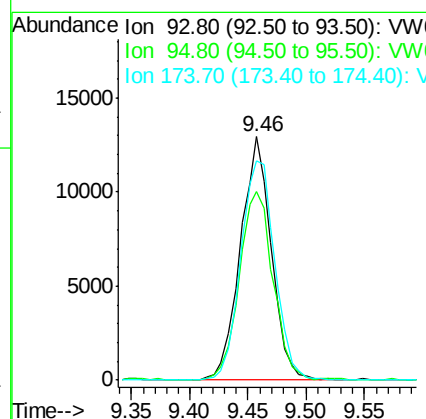
Manual Integrations
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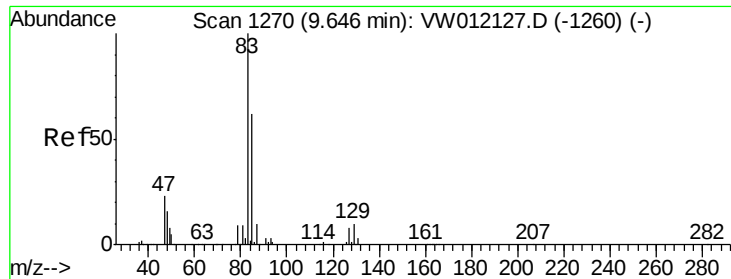
MMDadoda
 9/4/2019 9:34:22 AM



#46
 Dibromomethane
 Concen: 22.215 ug/l
 RT: 9.46 min Scan# 1239
 Delta R.T. -0.00 min
 Lab File: VW012581.D
 Acq: 04 Sep 2019 08:22

Tgt Ion	Ratio	Lower	Upper
93	100		
95	84.7	67.2	100.8
174	99.4	79.0	118.6





#47

Bromodichloromethane

Concen: 21.579 ug/l

RT: 9.64 min Scan# 1269

Delta R.T. -0.01 min

Lab File: VW012581.D

Acq: 04 Sep 2019 08:22

Instrument :

MSVOA_W

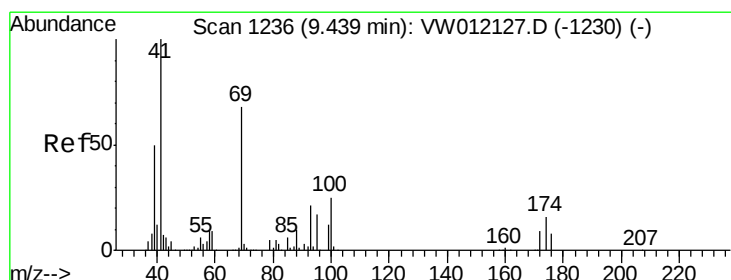
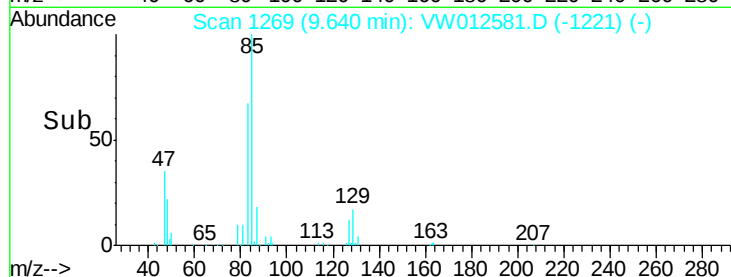
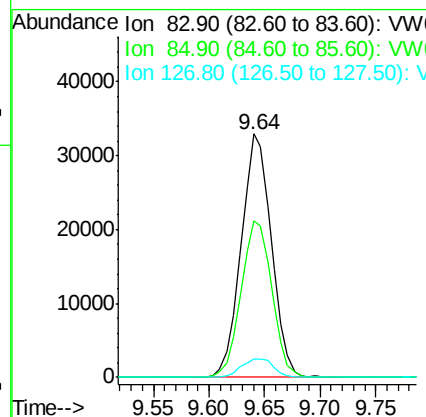
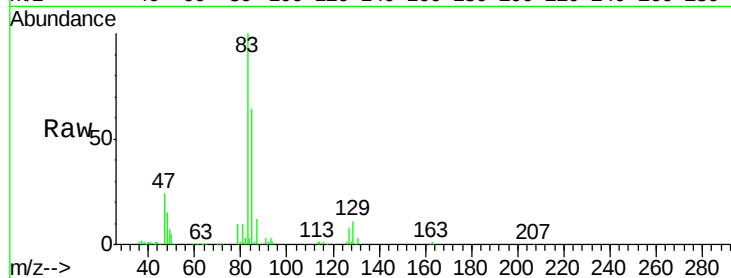
ClientSampleId :

VW0903SBS04

Tot Ion:	83	Resp:	61911
Ion Ratio	Lower	Upper	
83	100		
85	64.5	49.4	74.2
127	7.8	6.1	9.1

Manual Integrations
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MMDadoda
9/4/2019 9:34:22 AM



#48

Methyl methacrylate

Concen: 21.763 ug/l

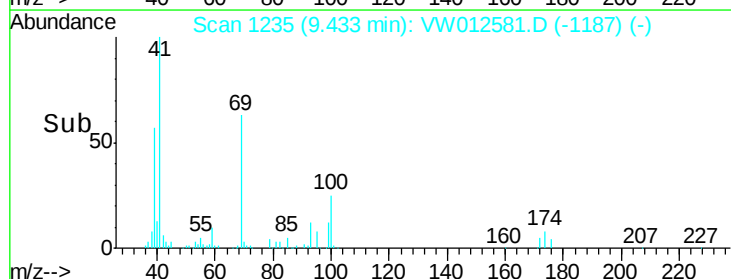
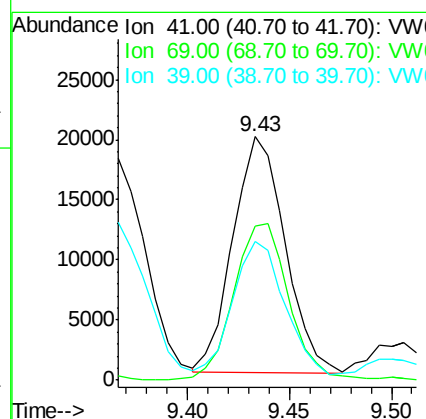
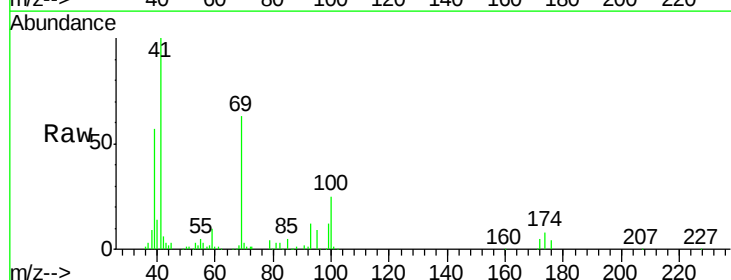
RT: 9.43 min Scan# 1235

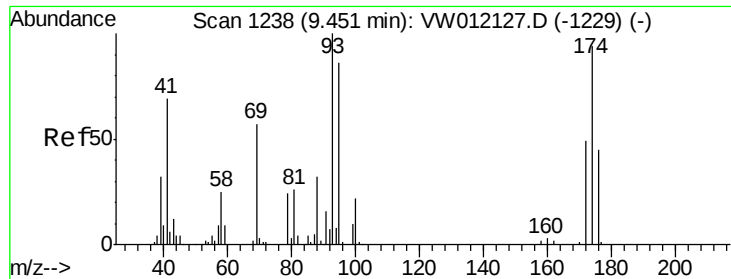
Delta R.T. -0.01 min

Lab File: VW012581.D

Acq: 04 Sep 2019 08:22

Tgt Ion:	41	Resp:	34664
Ion Ratio	Lower	Upper	
41	100		
69	71.1	56.7	85.1
39	55.0	42.0	63.0





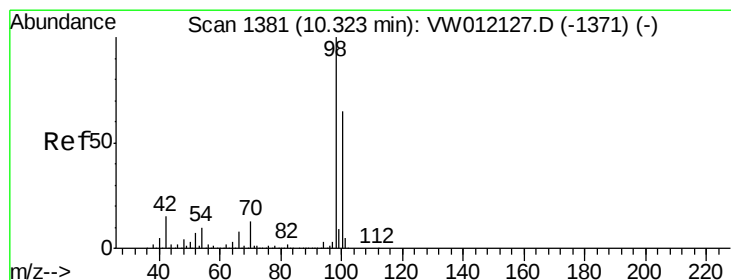
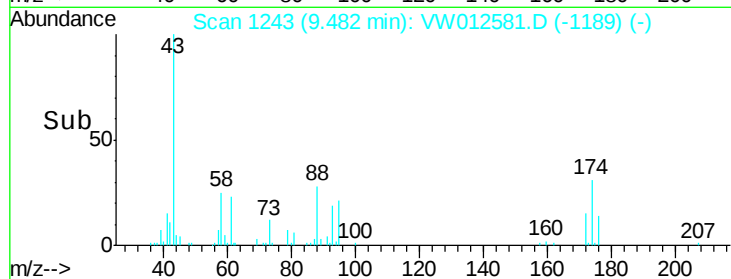
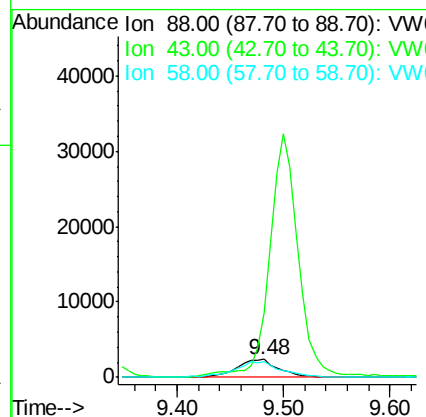
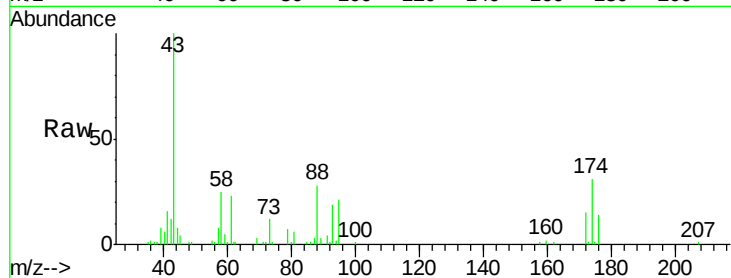
#49
1,4-Dioxane
Concen: 402.705 ug/l
RT: 9.48 min Scan# 1243
Delta R.T. 0.03 min
Lab File: VW012581.D
Acq: 04 Sep 2019 08:22

Instrument :
MSVOA_W
ClientSampleId :
VW0903SBSD04

Tot Ion: 88 Resp: 6646
Ion Ratio Lower Upper
88 100
43 916.1 32.9 49.3#
58 96.3 71.0 106.4

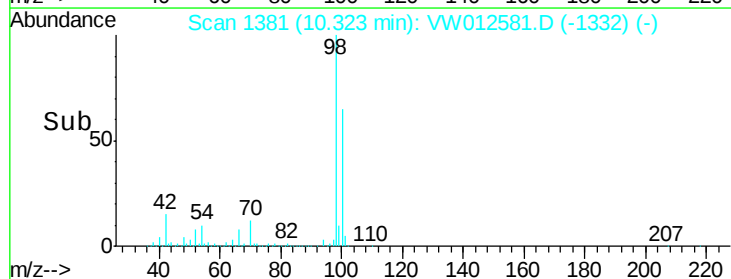
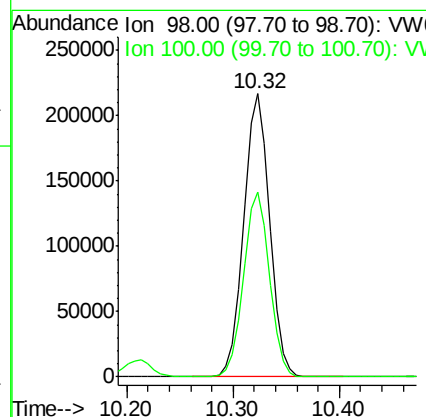
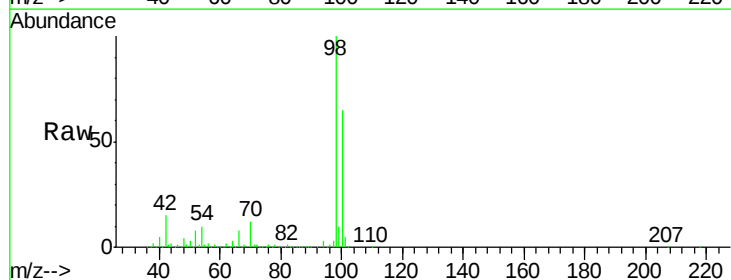
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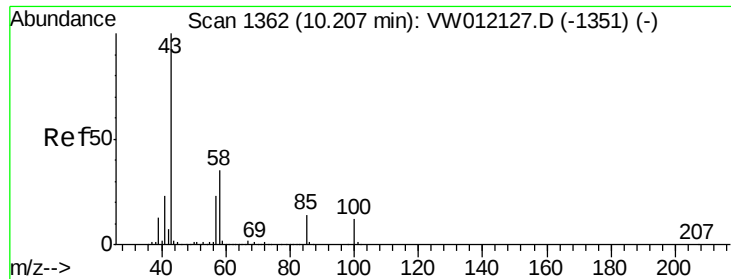
MMDadoda
9/4/2019 9:34:22 AM



#50
Toluene-d8
Concen: 48.049 ug/l
RT: 10.32 min Scan# 1381
Delta R.T. -0.00 min
Lab File: VW012581.D
Acq: 04 Sep 2019 08:22

Tgt Ion: 98 Resp: 371028
Ion Ratio Lower Upper
98 100
100 65.2 52.4 78.6





#51

4-Methyl-2-Pentanone

Concen: 115.001 ug/l

RT: 10.21 min Scan# 1362

Delta R.T. -0.00 min

Lab File: VW012581.D

Acq: 04 Sep 2019 08:22

Instrument :

MSVOA_W

ClientSampleId :

VW0903SBSD04

Tot Ion: 43 Resp: 195755

Ion Ratio Lower Upper

43 100

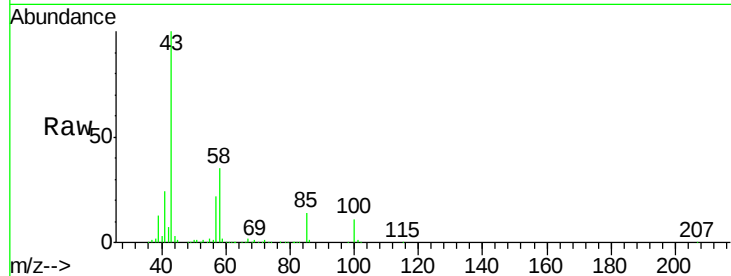
58 34.8 28.2 42.2

Manual Integrations

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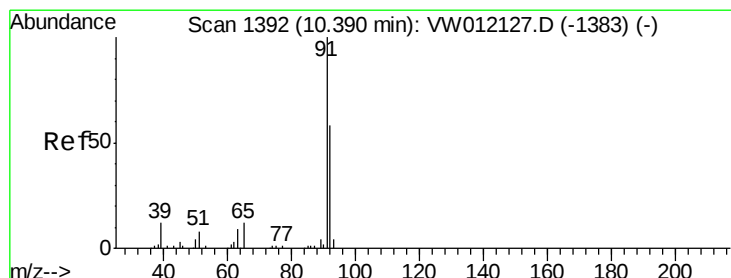
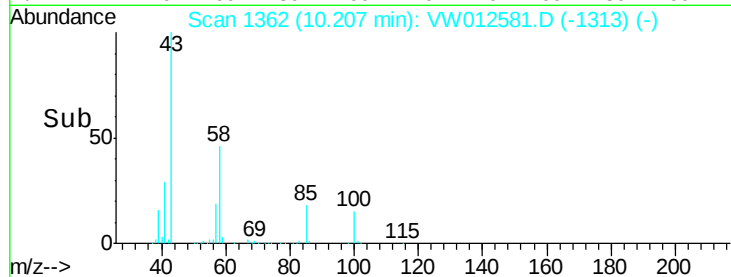
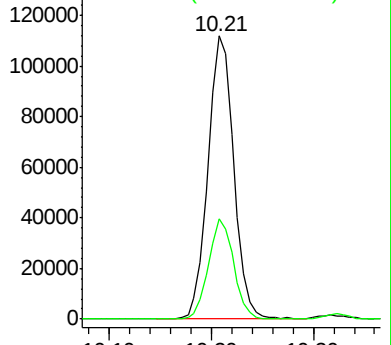
MMDadoda

9/4/2019 9:34:22 AM



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW



#52

Toluene

Concen: 21.250 ug/l

RT: 10.38 min Scan# 1391

Delta R.T. -0.01 min

Lab File: VW012581.D

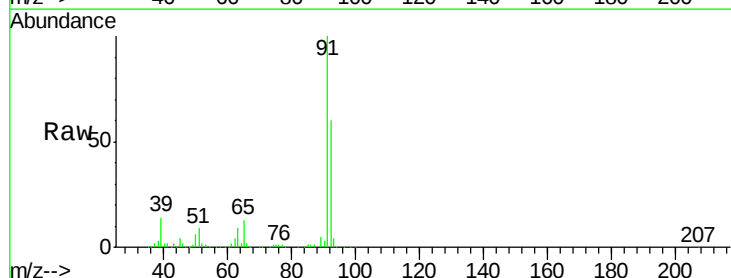
Acq: 04 Sep 2019 08:22

Tgt Ion: 92 Resp: 114929

Ion Ratio Lower Upper

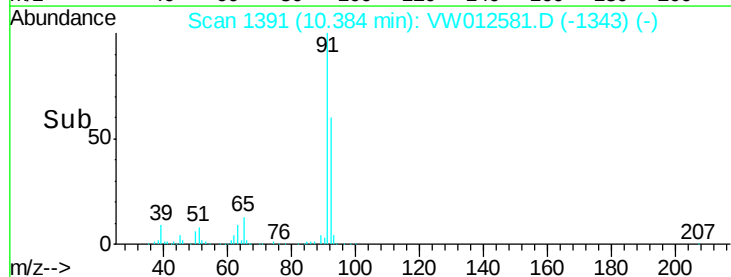
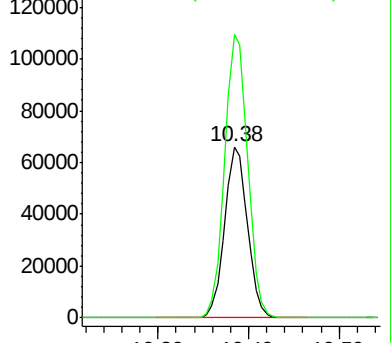
92 100

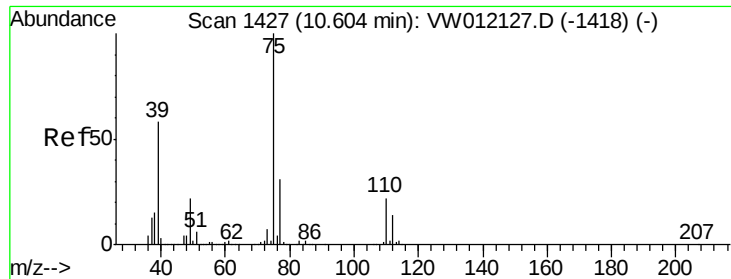
91 167.6 136.6 204.8



Abundance Ion 92.00 (91.70 to 92.70): VW

Ion 91.00 (90.70 to 91.70): VW





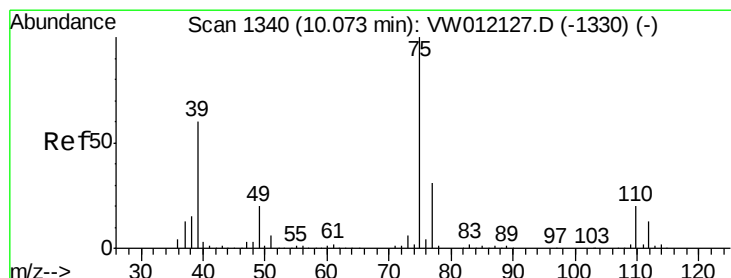
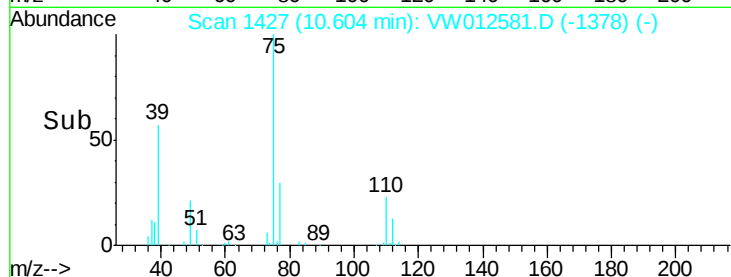
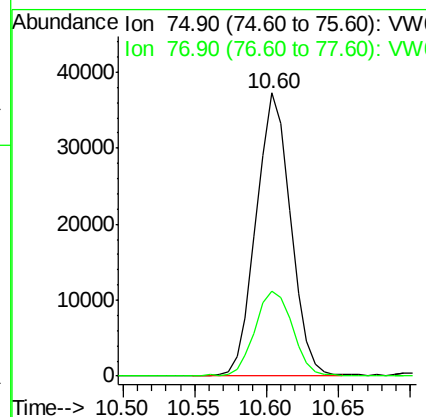
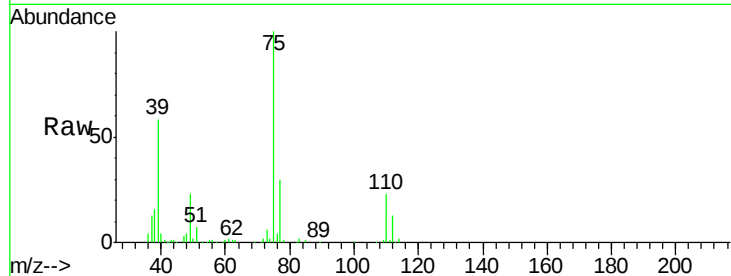
#53
t-1,3-Dichloropropene
Concen: 21.130 ug/l
RT: 10.60 min Scan# 1427
Delta R.T. -0.00 min
Lab File: VW012581.D
Acq: 04 Sep 2019 08:22

Instrument :
MSVOA_W
ClientSampleId :
VW0903SBSD04

Tot Ion: 75 Resp: 61754
Ion Ratio Lower Upper
75 100
77 30.0 25.0 37.4

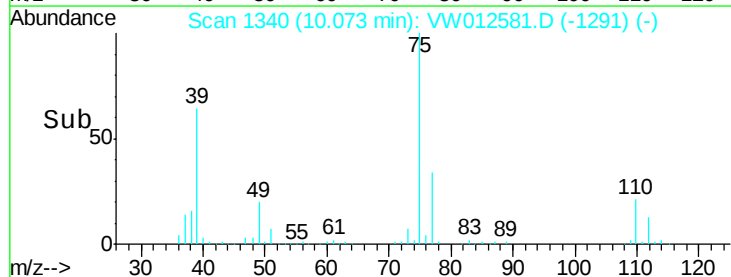
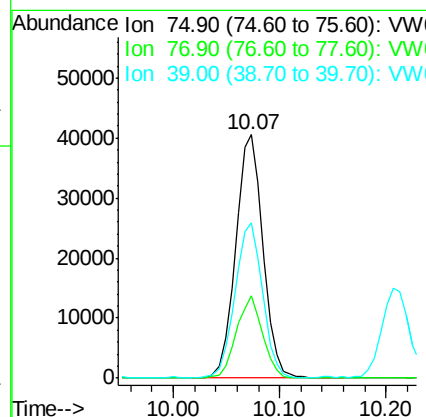
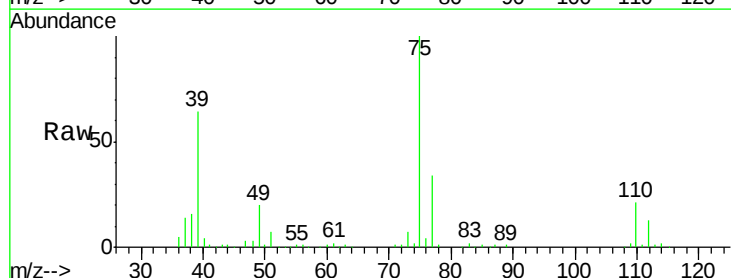
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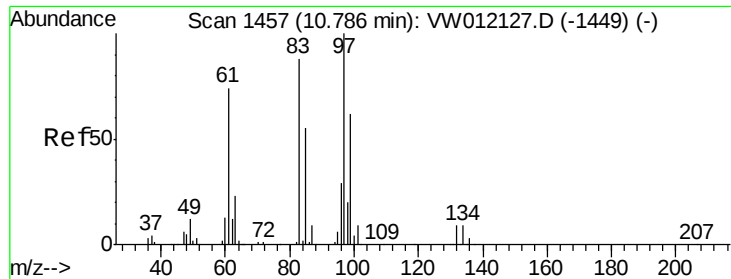
MMDadoda
9/4/2019 9:34:22 AM



#54
cis-1,3-Dichloropropene
Concen: 20.650 ug/l
RT: 10.07 min Scan# 1340
Delta R.T. -0.00 min
Lab File: VW012581.D
Acq: 04 Sep 2019 08:22

Tgt Ion: 75 Resp: 72869
Ion Ratio Lower Upper
75 100
77 33.9 25.1 37.7
39 63.7 48.3 72.5





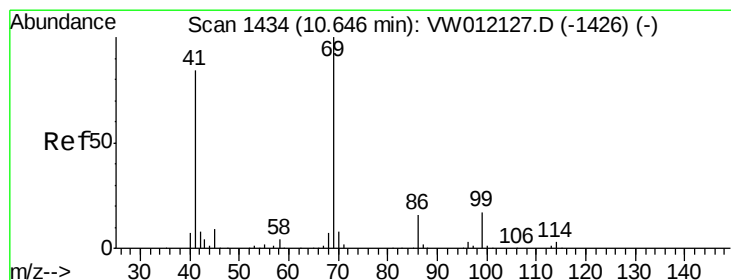
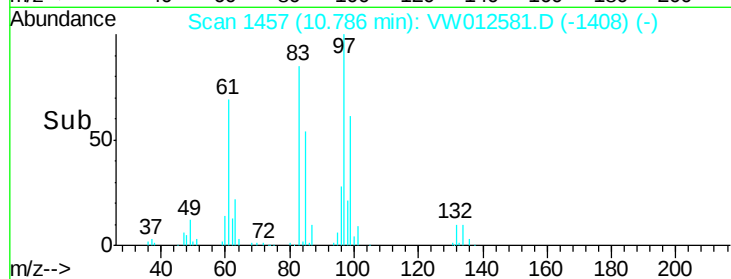
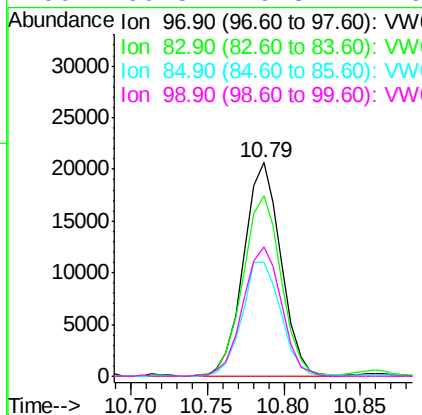
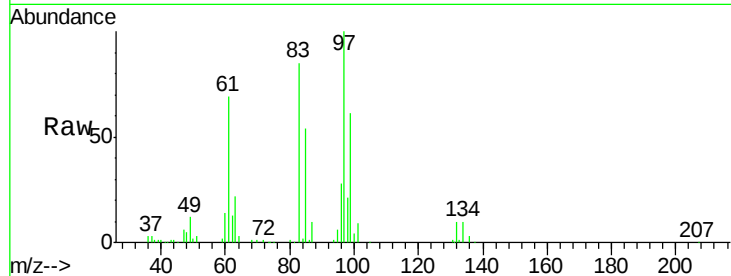
#55
 1,1,2-Trichloroethane
 Concen: 22.940 ug/l
 RT: 10.79 min Scan# 1457
 Delta R.T. -0.00 min
 Lab File: VW012581.D
 Acq: 04 Sep 2019 08:22

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0903SBS04

Tot Ion:	97	Resp:	34989
Ion	Ratio	Lower	Upper
97	100		
83	84.8	70.8	106.2
85	53.6	43.8	65.8
99	60.8	49.8	74.6

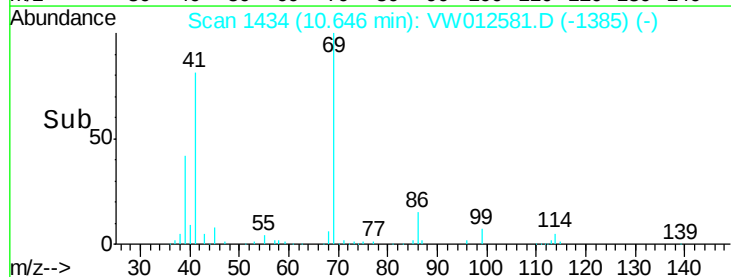
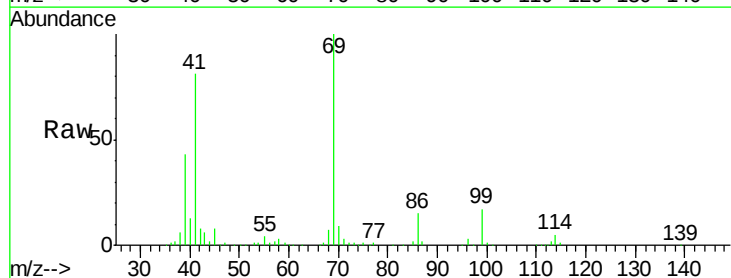
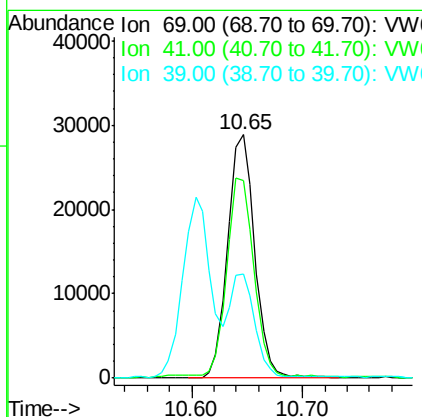
Manual Integrations
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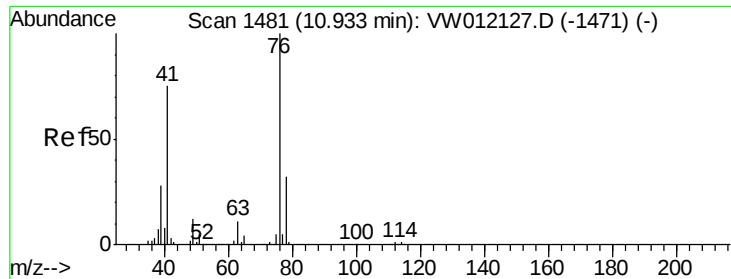
MMDadoda
 9/4/2019 9:34:22 AM



#56
 Ethyl methacrylate
 Concen: 21.945 ug/l
 RT: 10.65 min Scan# 1434
 Delta R.T. -0.00 min
 Lab File: VW012581.D
 Acq: 04 Sep 2019 08:22

Tgt Ion:	69	Resp:	48716
Ion	Ratio	Lower	Upper
69	100		
41	80.4	66.5	99.7
39	38.3	31.0	46.4





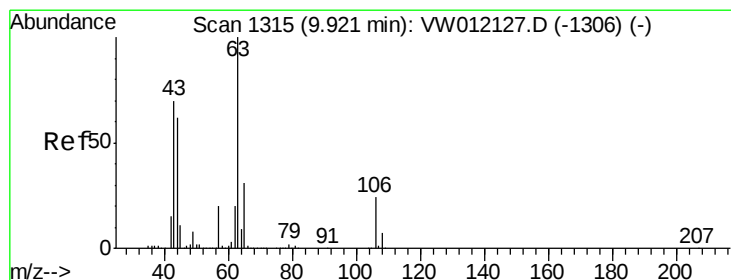
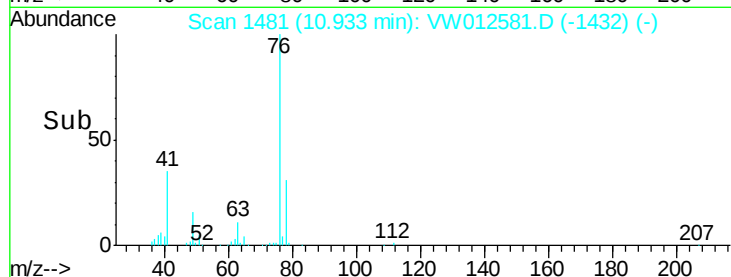
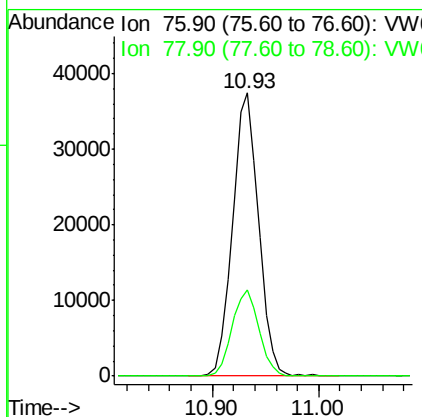
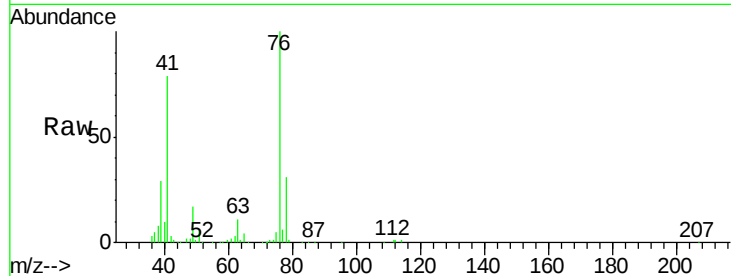
#57
 1,3-Dichloropropane
 Concen: 22.277 ug/l
 RT: 10.93 min Scan# 1481
 Delta R.T. -0.00 min
 Lab File: VW012581.D
 Acq: 04 Sep 2019 08:22

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0903SBSD04

Tot Ion: 76 Resp: 64211
 Ion Ratio Lower Upper
 76 100
 78 31.5 25.8 38.8

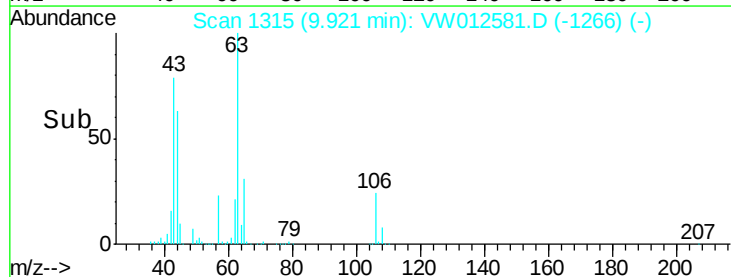
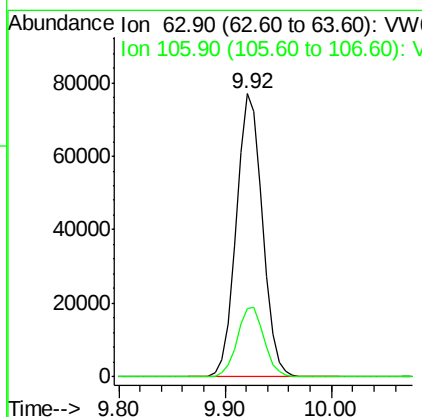
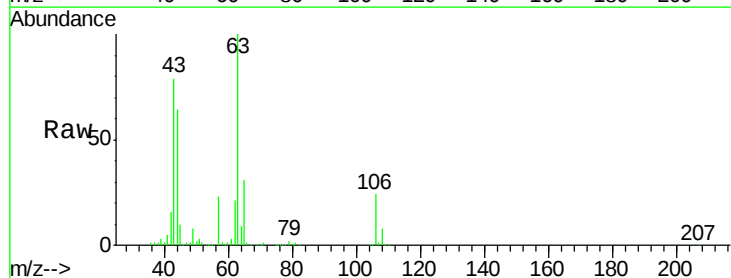
Manual Integrations
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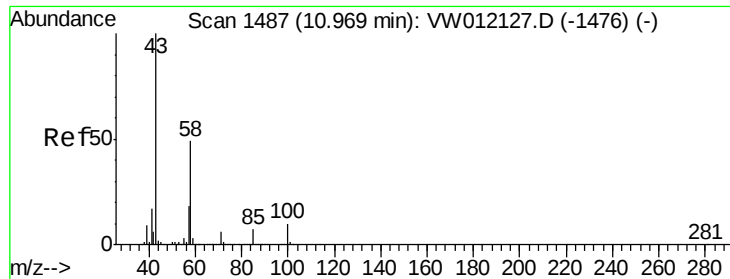
MMDadoda
 9/4/2019 9:34:22 AM



#58
 2-Chloroethyl Vinyl ether
 Concen: 116.989 ug/l
 RT: 9.92 min Scan# 1315
 Delta R.T. -0.00 min
 Lab File: VW012581.D
 Acq: 04 Sep 2019 08:22

Tgt Ion: 63 Resp: 133286
 Ion Ratio Lower Upper
 63 100
 106 25.2 19.8 29.8





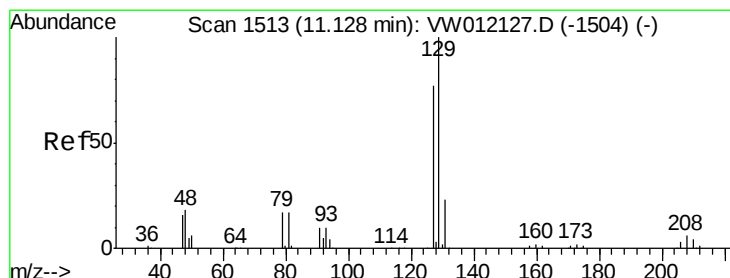
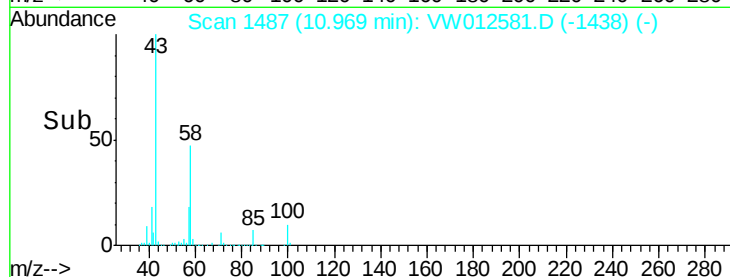
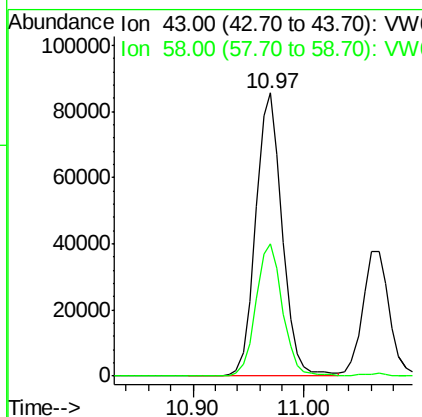
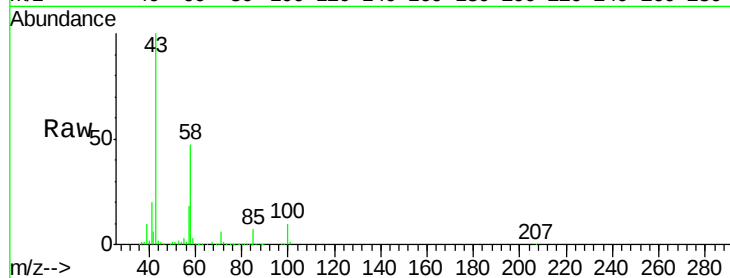
#59
2-Hexanone
Concen: 117.375 ug/l
RT: 10.97 min Scan# 1487
Delta R.T. -0.00 min
Lab File: VW012581.D
Acq: 04 Sep 2019 08:22

Instrument :
MSVOA_W
ClientSampleId :
VW0903SBSD04

Tot Ion	43	Resp	141368
Ion Ratio	43	100	
Lower	58	47.1	24.3
Upper			72.9

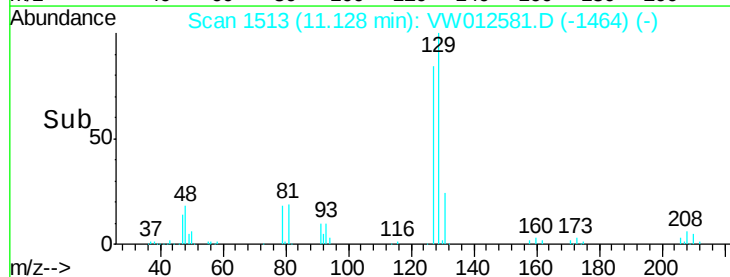
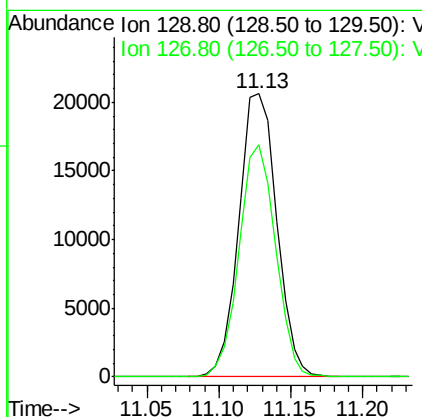
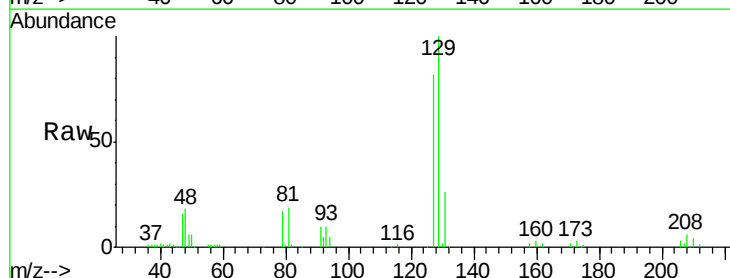
Manual Integrations
APPROVED

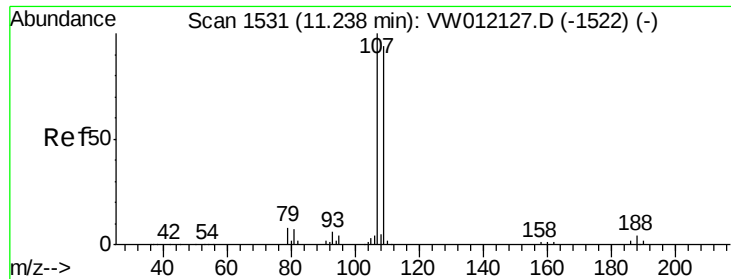
MMDadoda
9/4/2019 9:34:22 AM



#60
Dibromochloromethane
Concen: 22.154 ug/l
RT: 11.13 min Scan# 1513
Delta R.T. -0.00 min
Lab File: VW012581.D
Acq: 04 Sep 2019 08:22

Tgt Ion	129	Resp	37638
Ion Ratio	129	100	
Lower	127	78.8	38.6
Upper			115.8





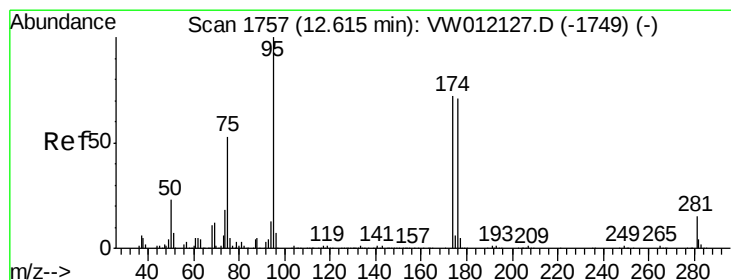
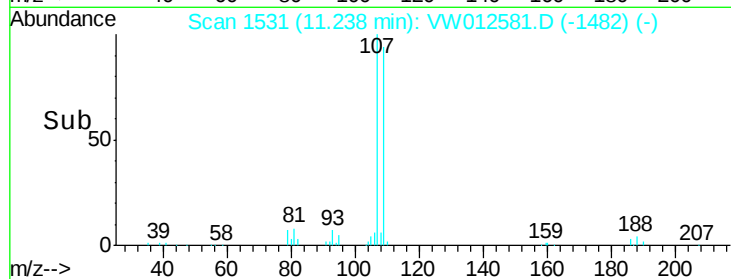
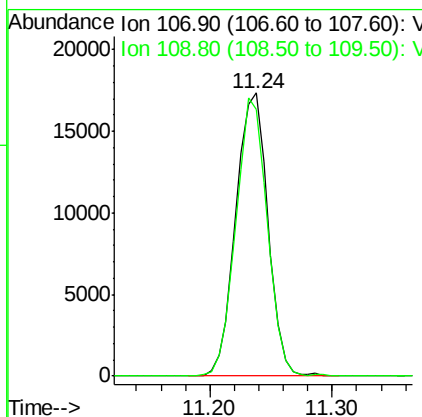
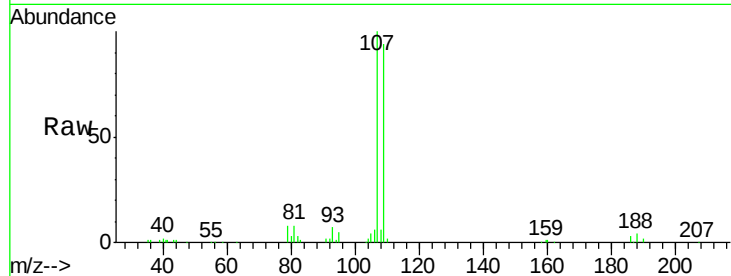
#61
 1,2-Dibromoethane
 Concen: 22.214 ug/l
 RT: 11.24 min Scan# 1531
 Delta R.T. -0.00 min
 Lab File: VW012581.D
 Acq: 04 Sep 2019 08:22

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0903SBSD04

Tot Ion: 107 Resp: 31565
 Ion Ratio Lower Upper
 107 100
 109 95.7 75.4 113.2

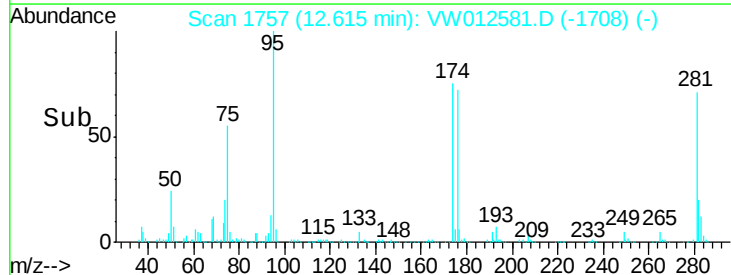
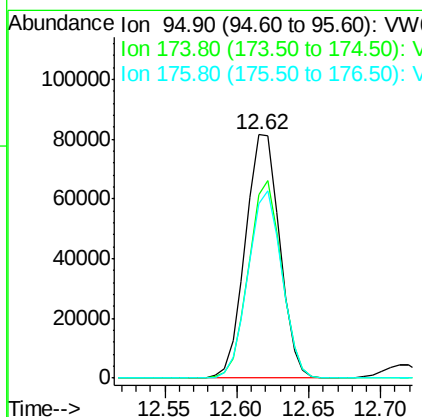
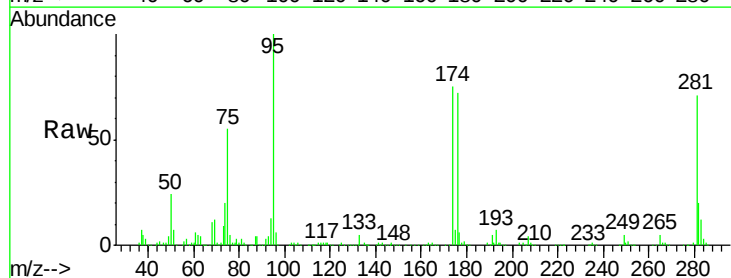
Manual Integrations
 APPROVED

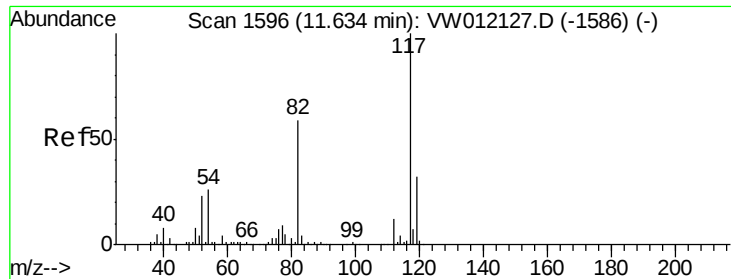
MMDadoda
 9/4/2019 9:34:22 AM



#62
 4-Bromofluorobenzene
 Concen: 49.418 ug/l
 RT: 12.62 min Scan# 1757
 Delta R.T. -0.00 min
 Lab File: VW012581.D
 Acq: 04 Sep 2019 08:22

Tgt Ion: 95 Resp: 134513
 Ion Ratio Lower Upper
 95 100
 174 77.8 0.0 150.8
 176 75.5 0.0 148.6





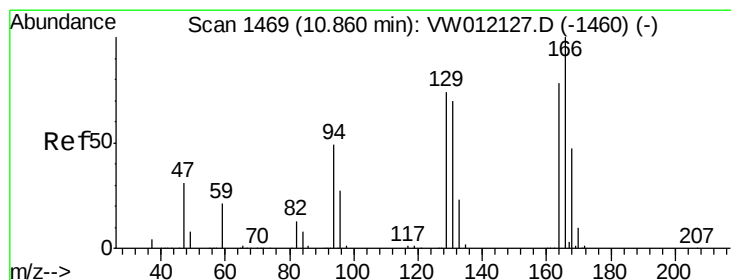
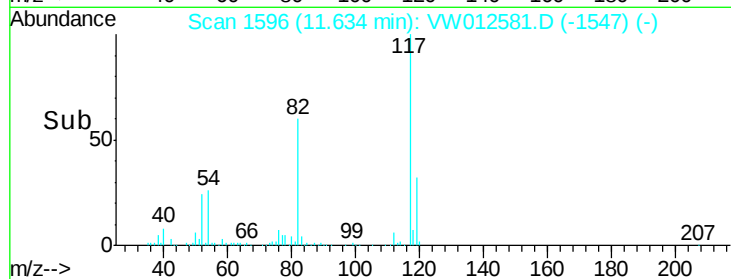
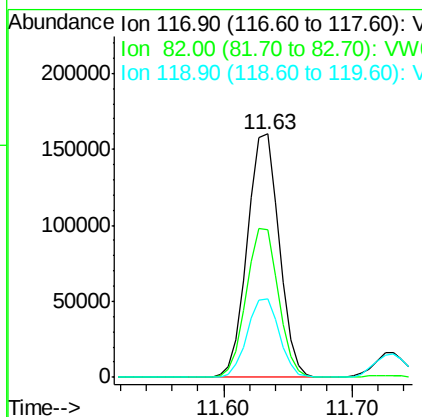
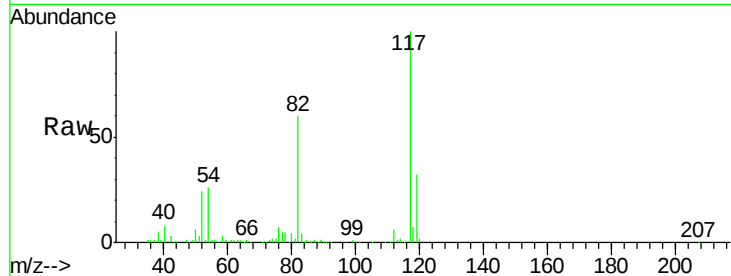
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1596
Delta R.T. -0.00 min
Lab File: VW012581.D
Acq: 04 Sep 2019 08:22

Instrument :
MSVOA_W
ClientSampleId :
VW0903SBSD04

Tot Ion	Ratio	Resp	Lower	Upper
117	100	273306		
82	60.4		47.4	71.2
119	32.1		25.4	38.2

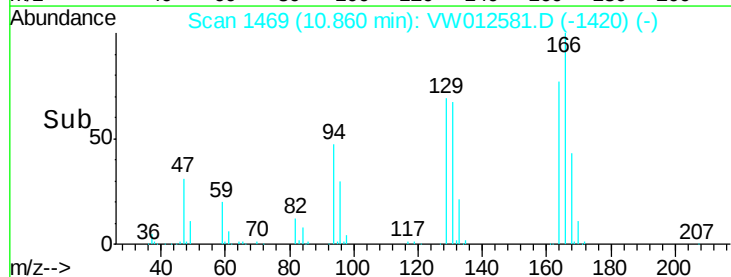
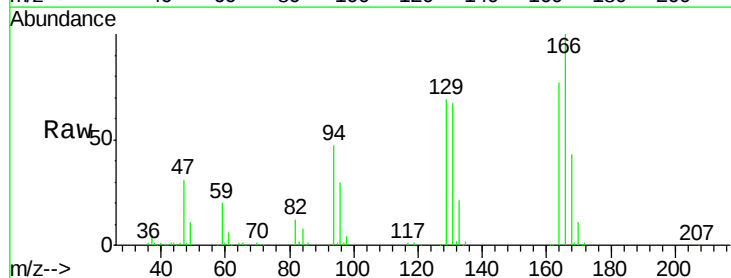
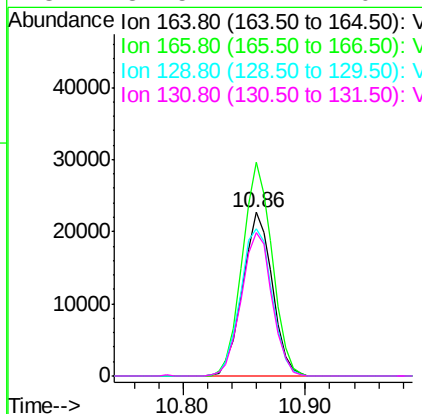
Manual Integrations
APPROVED

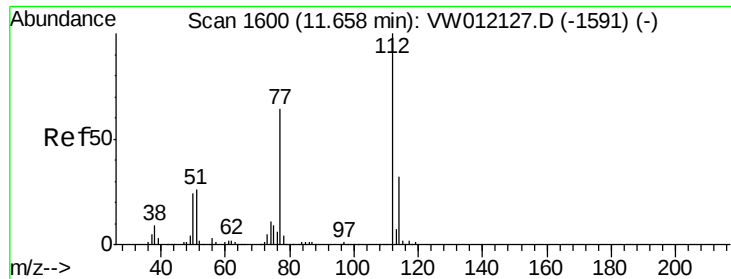
MMDadoda
9/4/2019 9:34:22 AM



#64
Tetrachloroethene
Concen: 21.564 ug/l
RT: 10.86 min Scan# 1469
Delta R.T. -0.00 min
Lab File: VW012581.D
Acq: 04 Sep 2019 08:22

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	38209		
166	130.5		102.4	153.6
129	90.1		75.8	113.6
131	87.5		71.4	107.2





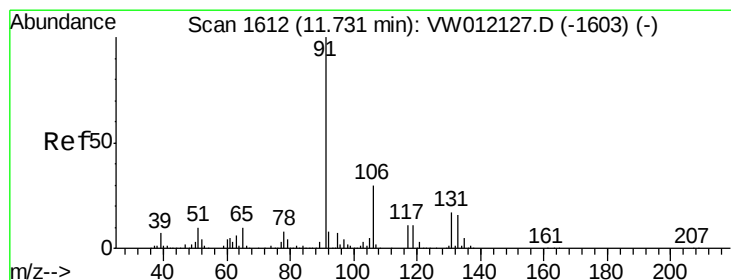
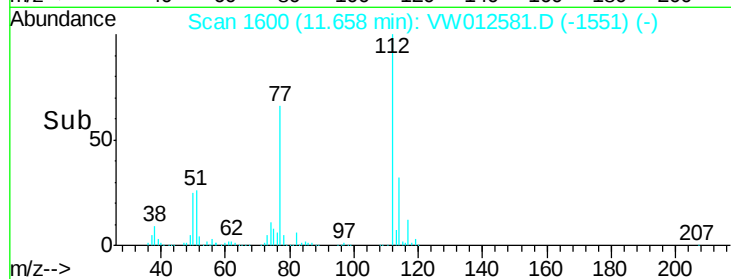
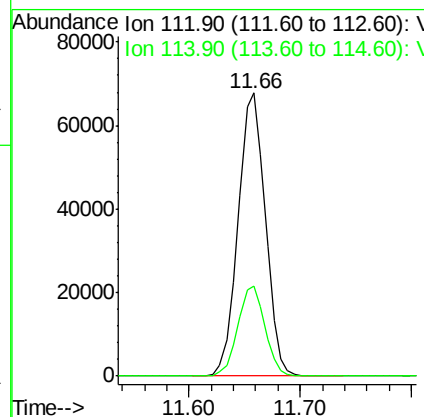
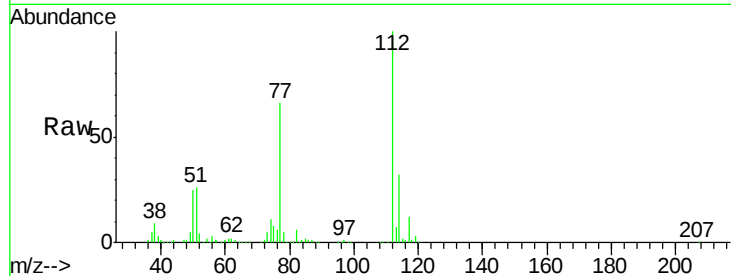
#65
Chlorobenzene
Concen: 21.335 ug/l
RT: 11.66 min Scan# 1600
Delta R.T. -0.00 min
Lab File: VW012581.D
Acq: 04 Sep 2019 08:22

Instrument :
MSVOA_W
ClientSampleId :
VW0903SBSD04

Tot Ion	Ratio	Resp	Lower	Upper
112	100	114819		
114	32.0	25.8	38.6	

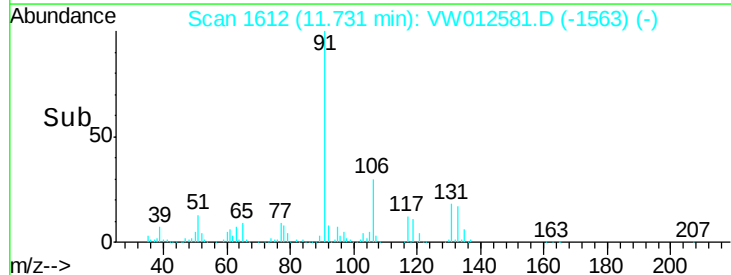
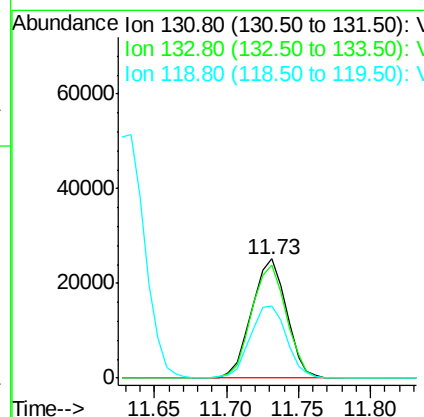
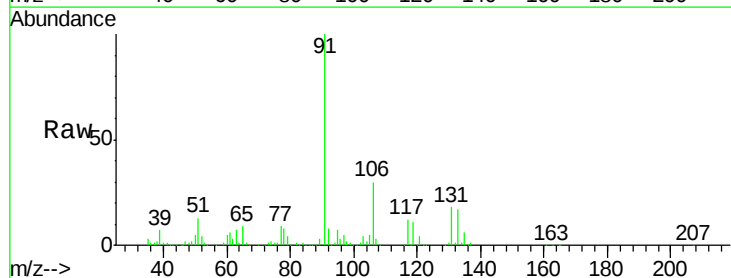
Manual Integrations
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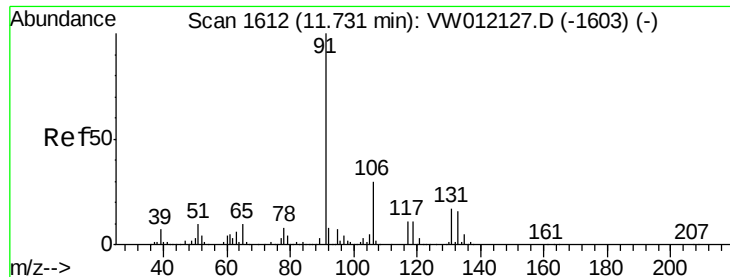
MMDadoda
9/4/2019 9:34:22 AM



#66
1,1,1,2-Tetrachloroethane
Concen: 22.497 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. -0.00 min
Lab File: VW012581.D
Acq: 04 Sep 2019 08:22

Tgt Ion	Ratio	Resp	Lower	Upper
131	100	42237		
133	94.9	47.1	141.3	
119	62.7	31.8	95.3	





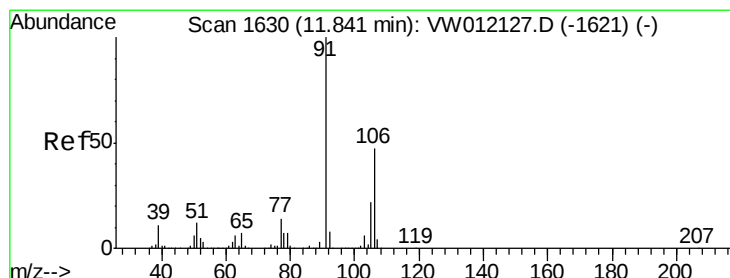
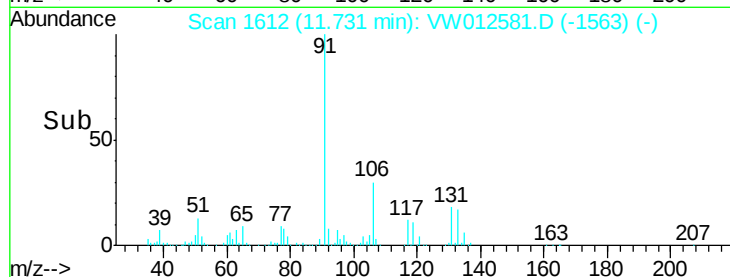
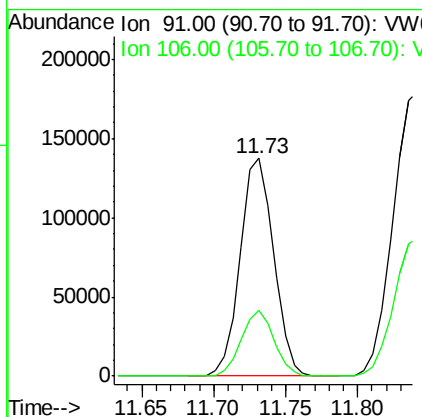
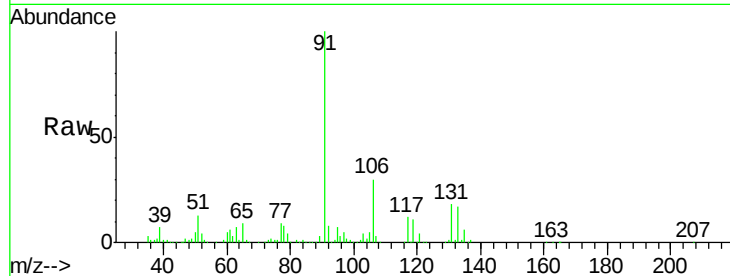
#67
Ethyl Benzene
Concen: 21.424 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. -0.00 min
Lab File: VW012581.D
Acq: 04 Sep 2019 08:22

Instrument :
MSVOA_W
ClientSampleId :
VW0903SBS04

Tot Ion	Ratio	Lower	Upper
91	100		
106	30.1	24.3	36.5

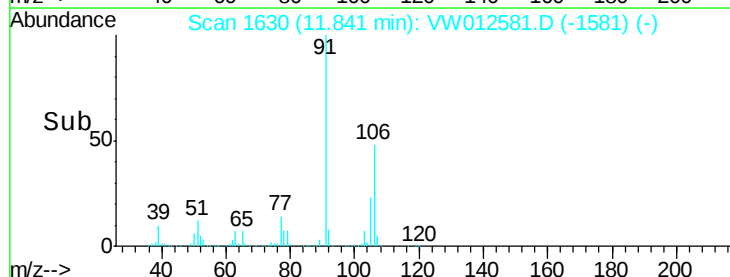
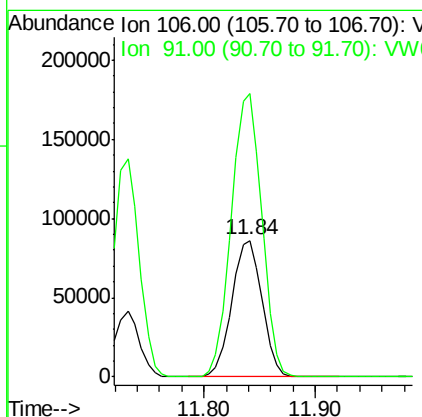
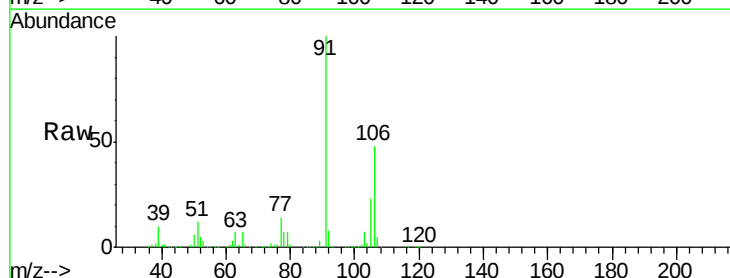
Manual Integrations
APPROVED

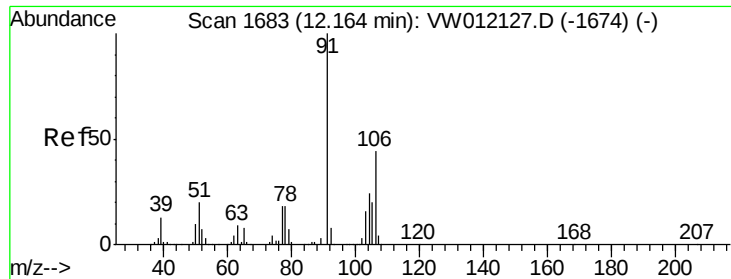
MMDadoda
9/4/2019 9:34:22 AM



#68
m/p-Xylenes
Concen: 43.242 ug/l
RT: 11.84 min Scan# 1630
Delta R.T. -0.00 min
Lab File: VW012581.D
Acq: 04 Sep 2019 08:22

Tgt Ion	Ratio	Lower	Upper
106	100		
91	209.8	169.5	254.3





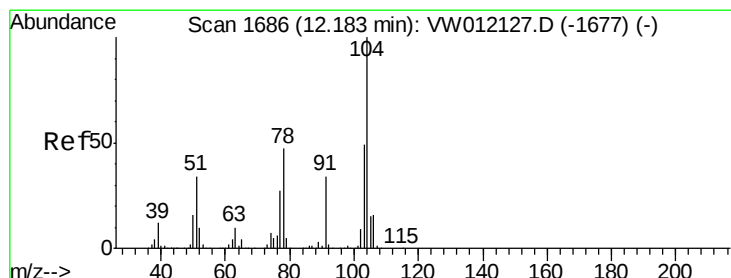
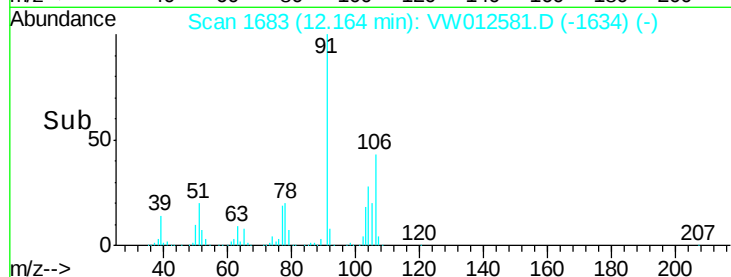
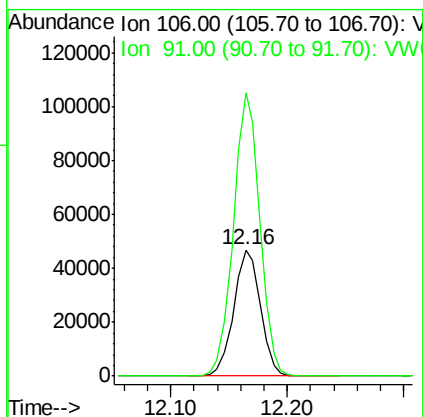
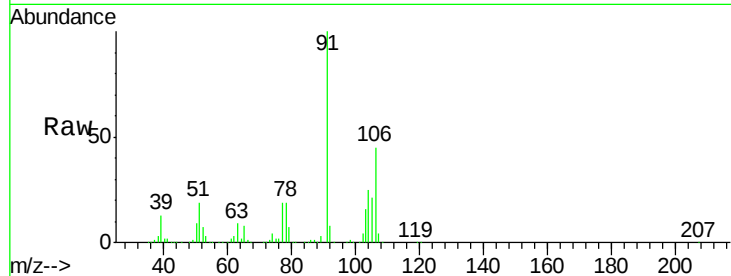
#69
o-Xylene
Concen: 21.651 ug/l
RT: 12.16 min Scan# 1683
Delta R.T. -0.00 min
Lab File: VW012581.D
Acq: 04 Sep 2019 08:22

Instrument :
MSVOA_W
ClientSampleId :
VW0903SBS04

Tot Ion:106 Resp: 74830
Ion Ratio Lower Upper
106 100
91 221.5 111.6 334.6

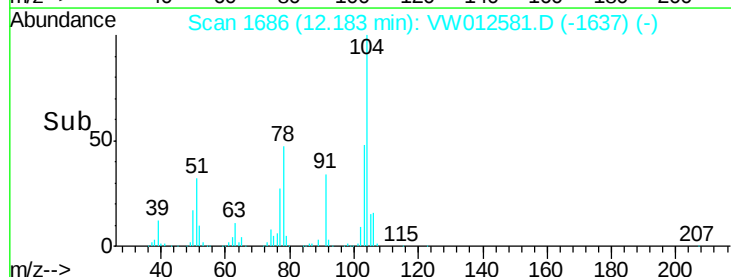
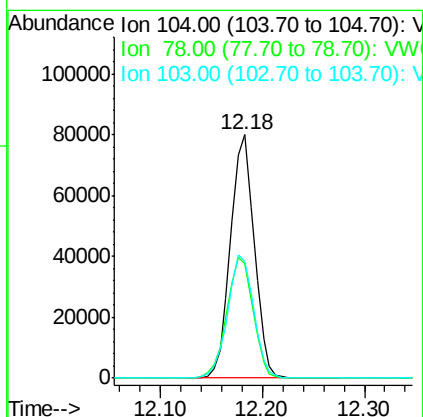
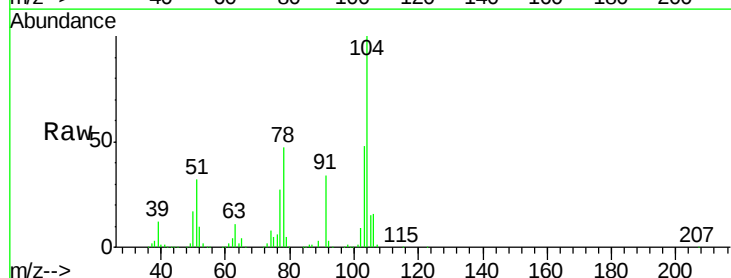
Manual Integrations
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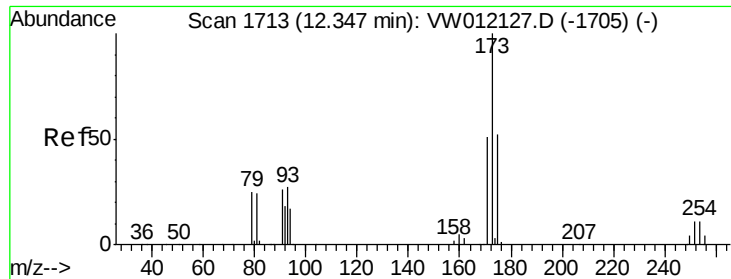
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#70
Styrene
Concen: 21.538 ug/l
RT: 12.18 min Scan# 1686
Delta R.T. -0.00 min
Lab File: VW012581.D
Acq: 04 Sep 2019 08:22

Tgt Ion:104 Resp: 128848
Ion Ratio Lower Upper
104 100
78 54.8 43.1 64.7
103 55.1 43.5 65.3





#71

Bromoform

Concen: 23.291 ug/l

RT: 12.35 min Scan# 1713

Delta R.T. -0.00 min

Lab File: VW012581.D

Acq: 04 Sep 2019 08:22

Instrument :

MSVOA_W

ClientSampleId :

VW0903SBS04

Tot Ion:173 Resp: 21786

Ion Ratio Lower Upper

173 100

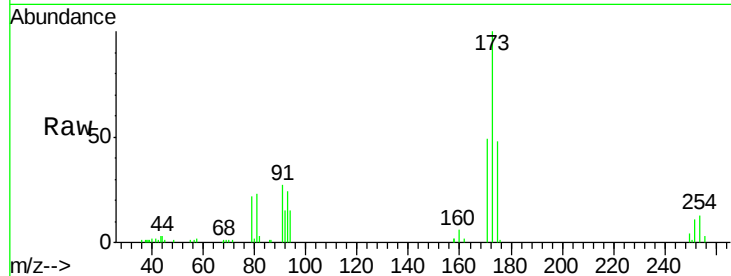
175 47.3 24.6 74.0

254 0.0 0.2 0.2#

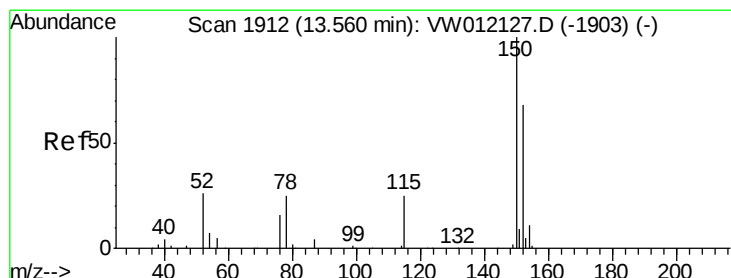
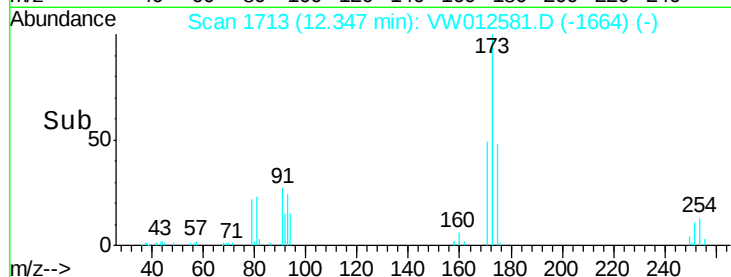
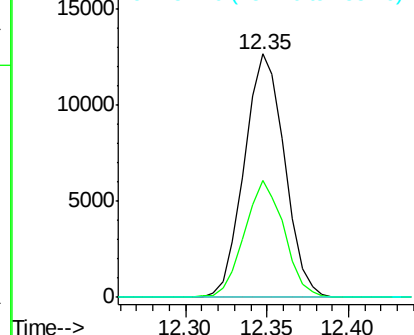
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Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.56 min Scan# 1912

Delta R.T. -0.00 min

Lab File: VW012581.D

Acq: 04 Sep 2019 08:22

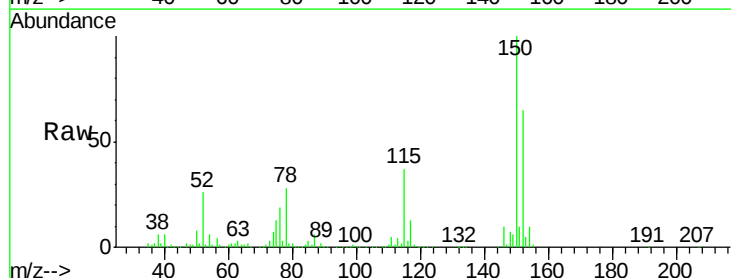
Tgt Ion:152 Resp: 137212

Ion Ratio Lower Upper

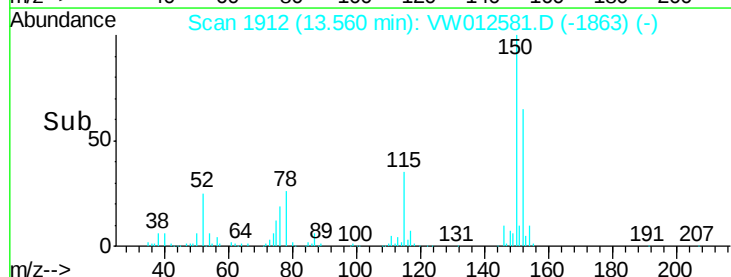
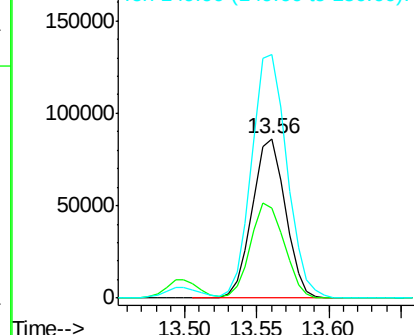
152 100

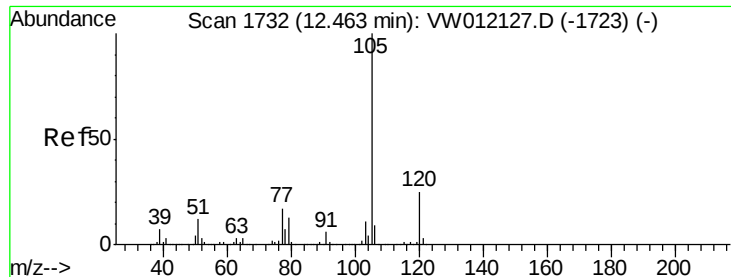
115 60.6 30.1 90.3

150 163.1 0.0 345.8



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





#73

Isopropylbenzene

Concen: 20.757 ug/l

RT: 12.46 min Scan# 1732

Delta R.T. -0.00 min

Lab File: VW012581.D

Acq: 04 Sep 2019 08:22

Instrument :

MSVOA_W

ClientSampleId :

VW0903SBSD04

Tot Ion:105 Resp: 213416

Ion Ratio Lower Upper

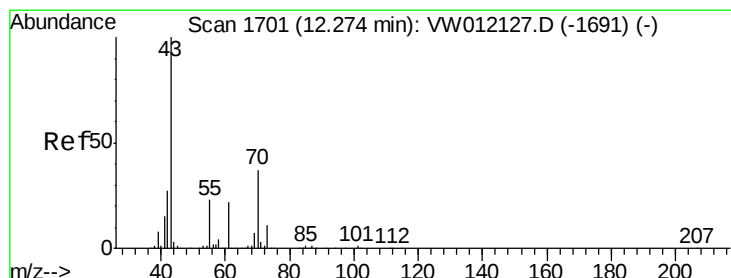
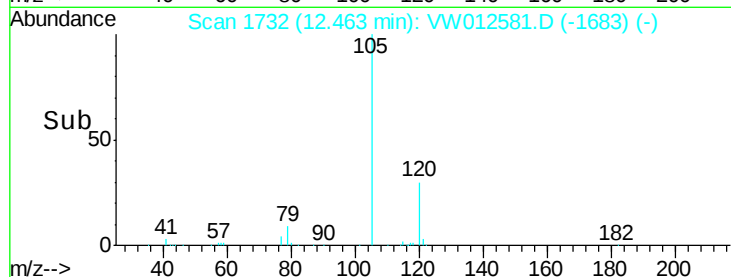
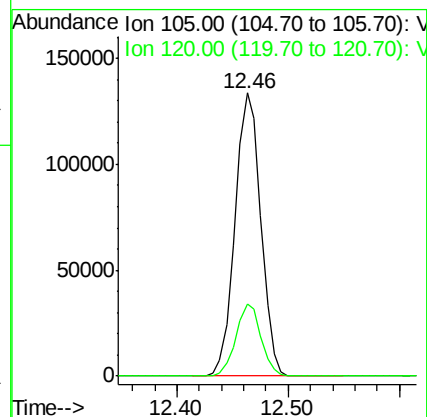
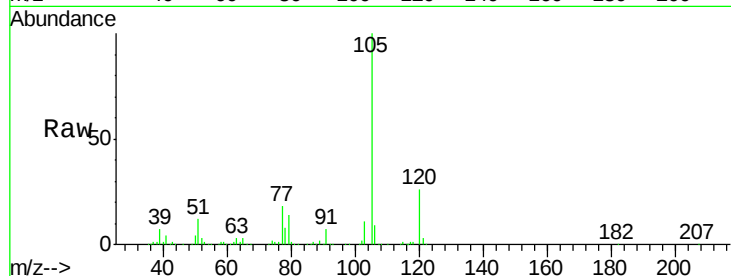
105 100

120 24.9 12.5 37.5

Manual Integrations
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#74

N-ethyl acetate

Concen: 20.731 ug/l

RT: 12.27 min Scan# 1701

Delta R.T. -0.00 min

Lab File: VW012581.D

Acq: 04 Sep 2019 08:22

Tgt Ion: 43 Resp: 64397

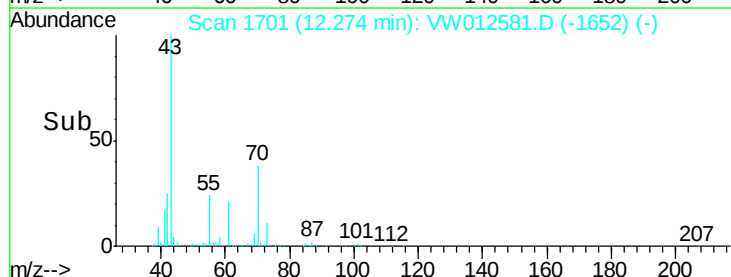
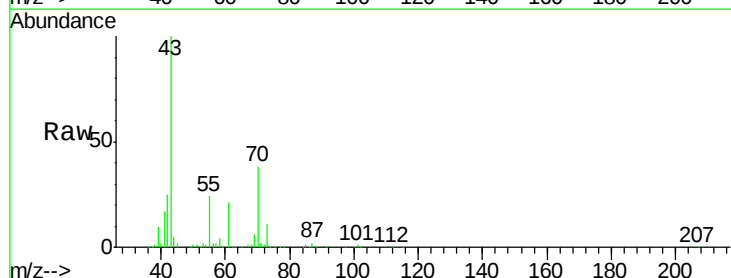
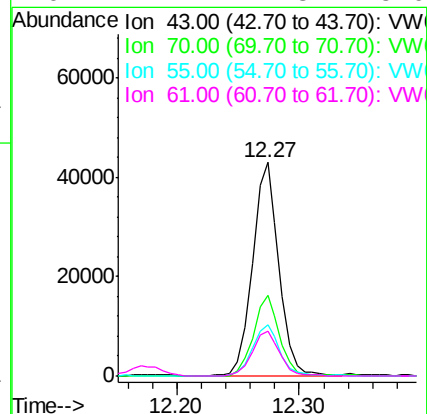
Ion Ratio Lower Upper

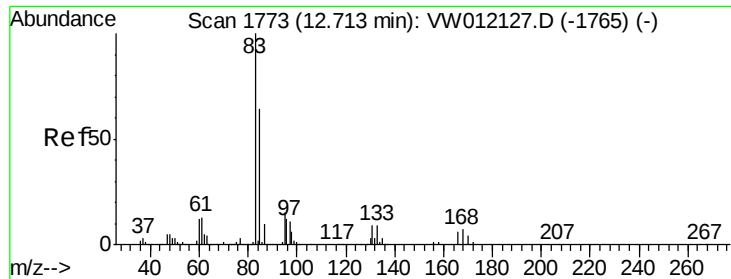
43 100

70 37.0 28.6 43.0

55 24.8 17.8 26.6

61 21.7 17.3 25.9





#75

1,1,2,2-Tetrachloroethane

Concen: 21.963 ug/l

RT: 12.71 min Scan# 1773

Delta R.T. -0.00 min

Lab File: VW012581.D

Acq: 04 Sep 2019 08:22

Instrument :

MSVOA_W

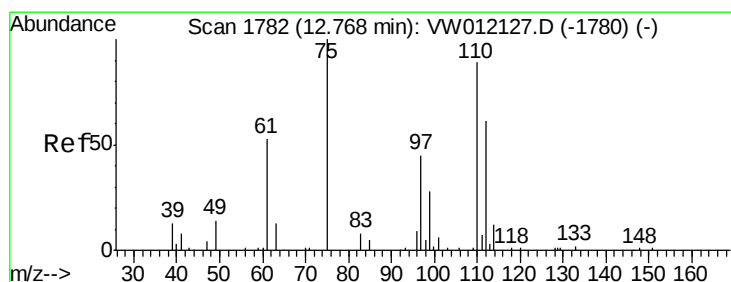
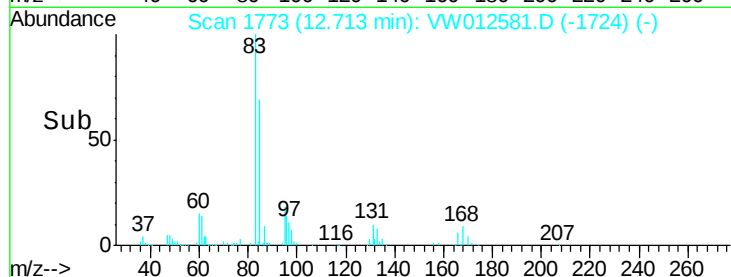
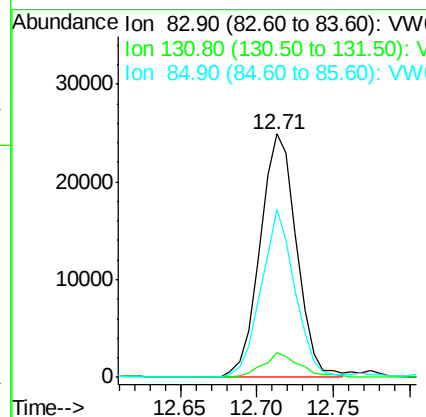
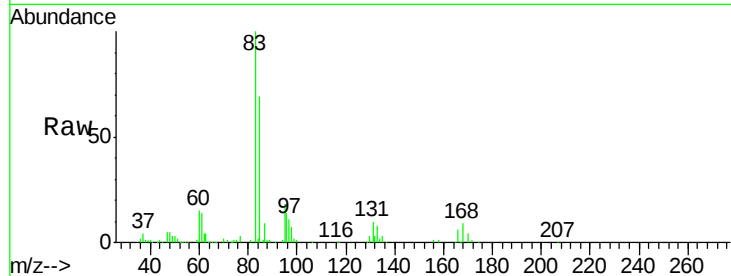
ClientSampleId :

VW0903SBSD04

Tot Ion:	83	Resp:	41398
Ion Ratio	Lower	Upper	
83	100		
131	10.3	4.9	14.7
85	64.2	31.9	95.7

Manual Integrations
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#76

1,2,3-Trichloropropane

Concen: 21.789 ug/l m

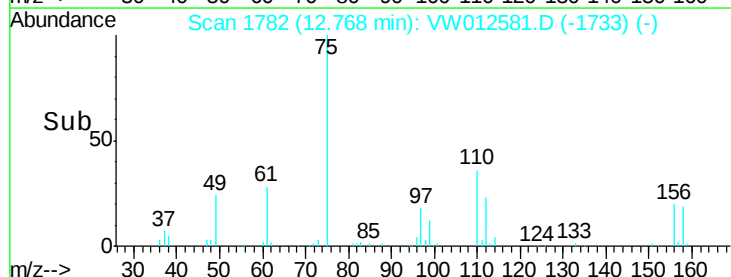
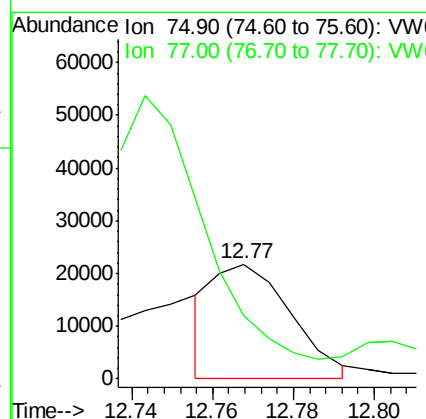
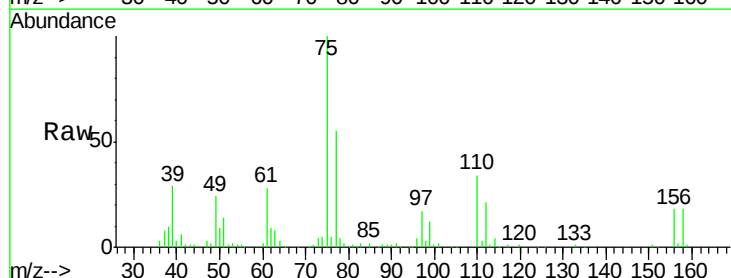
RT: 12.77 min Scan# 1782

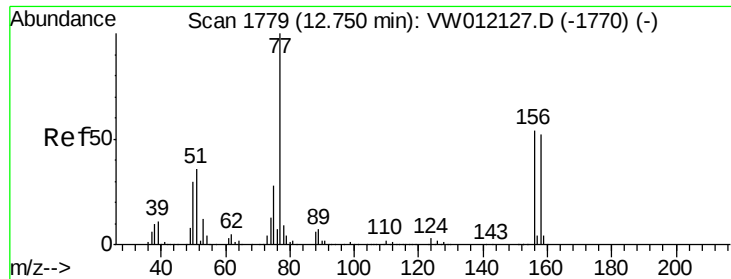
Delta R.T. -0.00 min

Lab File: VW012581.D

Acq: 04 Sep 2019 08:22

Tgt Ion:	75	Resp:	29118
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





#77

Bromobenzene

Concen: 21.612 ug/l

RT: 12.74 min Scan# 1778

Delta R.T. -0.01 min

Lab File: VW012581.D

Acq: 04 Sep 2019 08:22

Instrument :

MSVOA_W

ClientSampleId :

VW0903SBSD04

Tot Ion:156 Resp: 48072

Ion Ratio Lower Upper

156 100

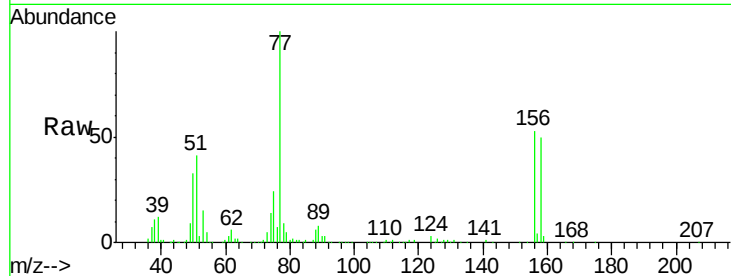
77 203.8 107.3 321.8

158 94.7 49.0 147.0

Manual Integrations
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MMDadoda

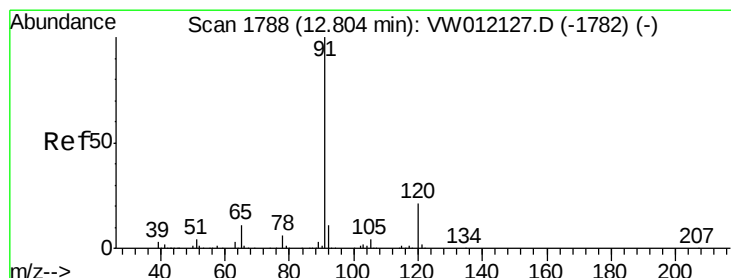
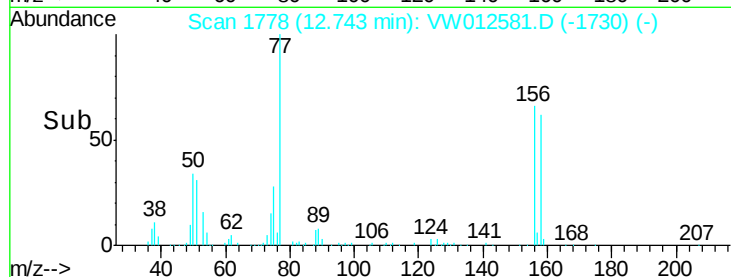
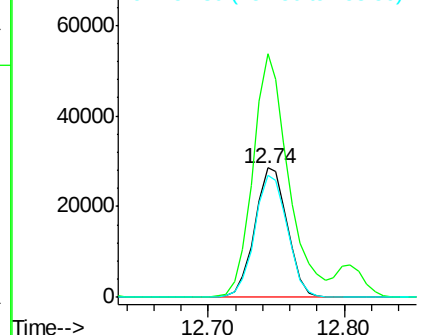
9/4/2019 9:34:22 AM



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VW

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 20.672 ug/l

RT: 12.80 min Scan# 1788

Delta R.T. -0.00 min

Lab File: VW012581.D

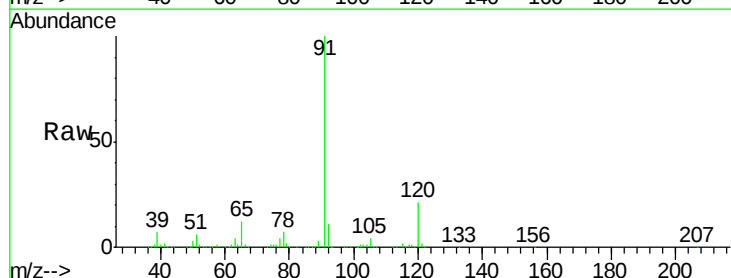
Acq: 04 Sep 2019 08:22

Tgt Ion: 91 Resp: 259466

Ion Ratio Lower Upper

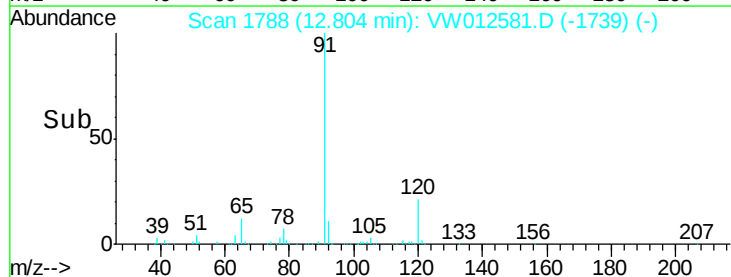
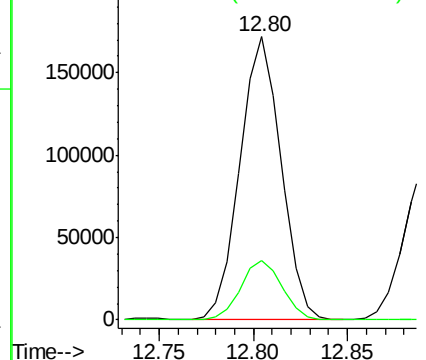
91 100

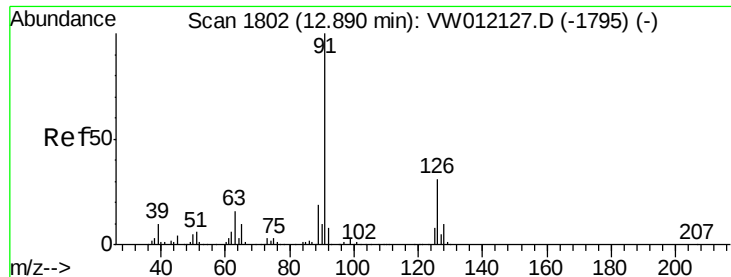
120 21.4 10.5 31.6



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 20.866 ug/l

RT: 12.89 min Scan# 1802

Delta R.T. -0.00 min

Lab File: VW012581.D

Acq: 04 Sep 2019 08:22

Instrument :

MSVOA_W

ClientSampleId :

VW0903SBSD04

Tot Ion: 91 Resp: 148691

Ion Ratio Lower Upper

91 100

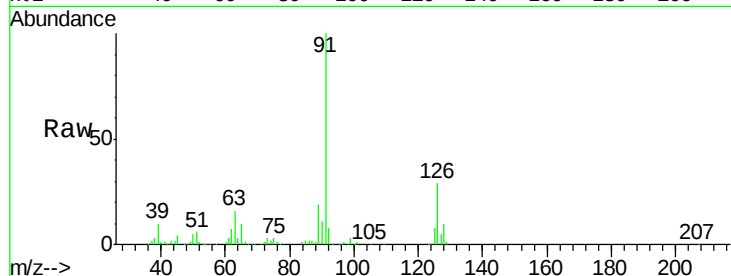
126 31.4 15.7 47.0

Manual Integrations

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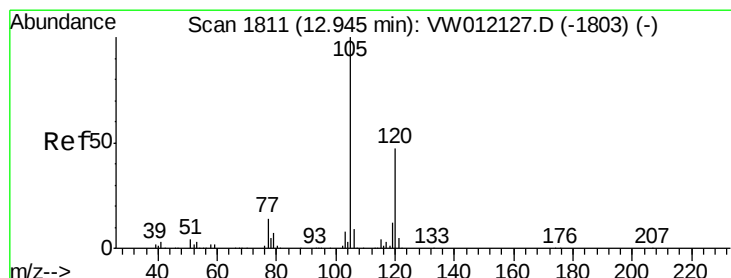
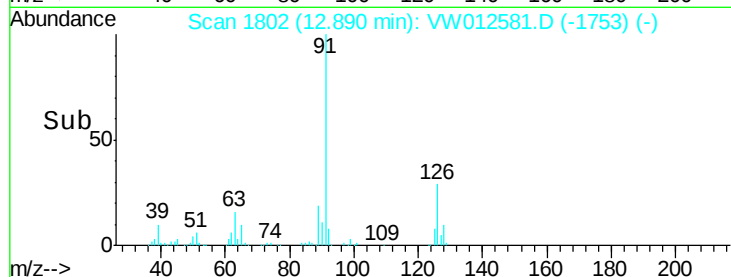
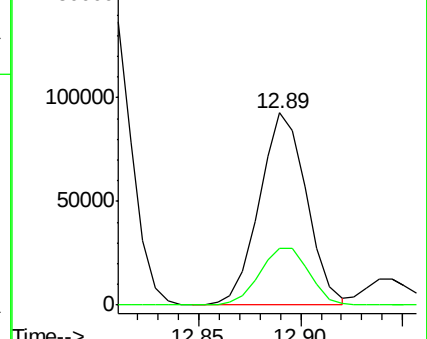
MMDadoda

9/4/2019 9:34:22 AM



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: 21.031 ug/l

RT: 12.94 min Scan# 1811

Delta R.T. -0.00 min

Lab File: VW012581.D

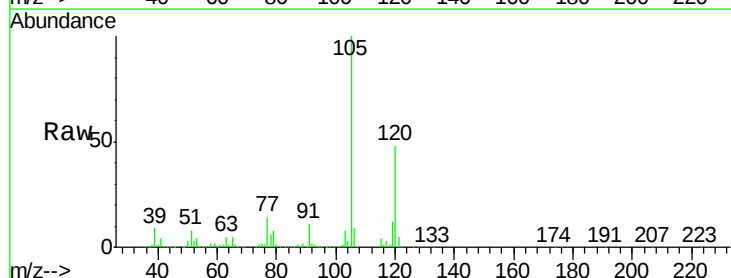
Acq: 04 Sep 2019 08:22

Tgt Ion: 105 Resp: 180685

Ion Ratio Lower Upper

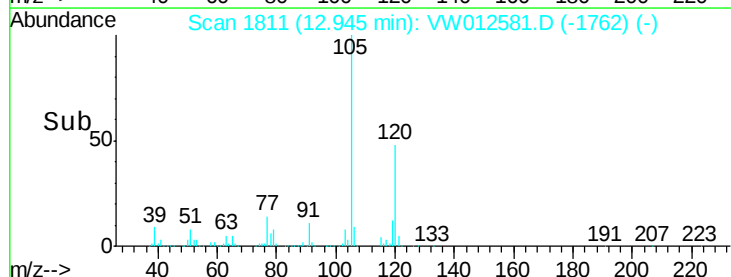
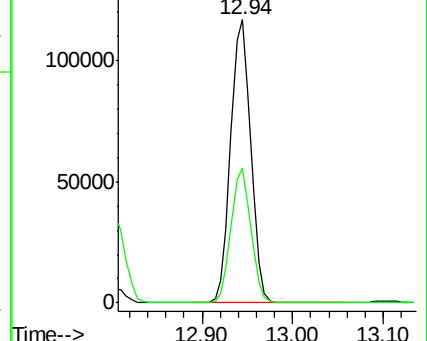
105 100

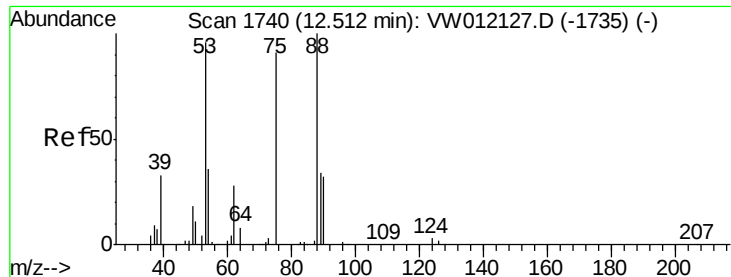
120 47.2 24.0 72.0



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: 20.292 ug/l

RT: 12.51 min Scan# 1740

Delta R.T. -0.00 min

Lab File: VW012581.D

Acq: 04 Sep 2019 08:22

Instrument :

MSVOA_W

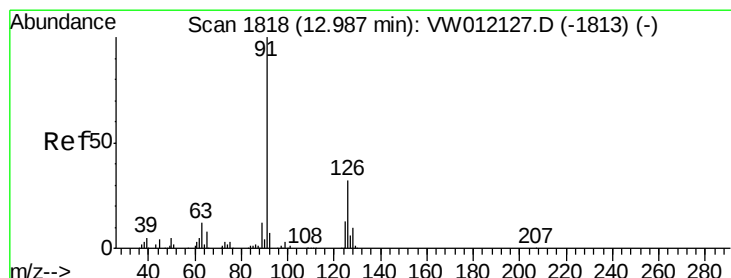
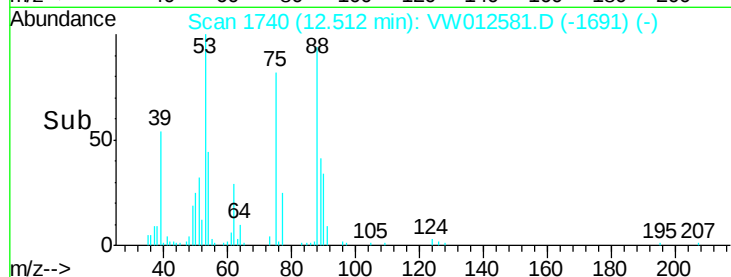
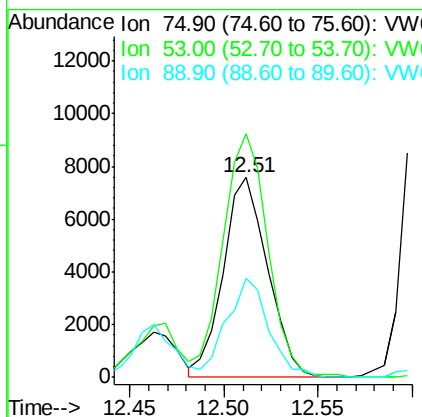
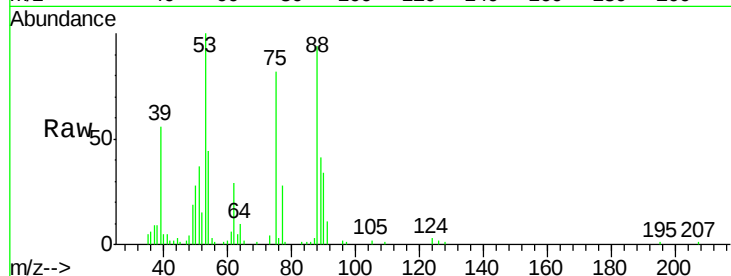
ClientSampleId :

VW0903SBSD04

Tot Ion:	75	Resp:	12368
Ion	Ratio	Lower	Upper
75	100		
53	123.2	89.4	134.0
89	46.5	34.5	51.7

Manual Integrations
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#82

4-Chlorotoluene

Concen: 20.845 ug/l

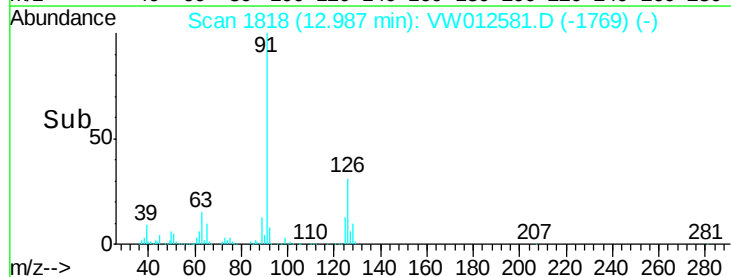
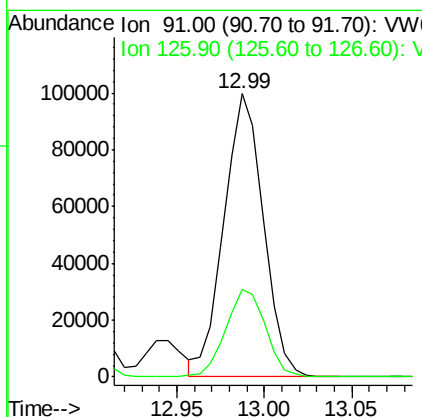
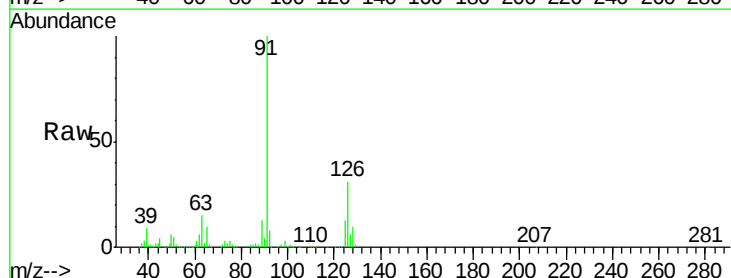
RT: 12.99 min Scan# 1818

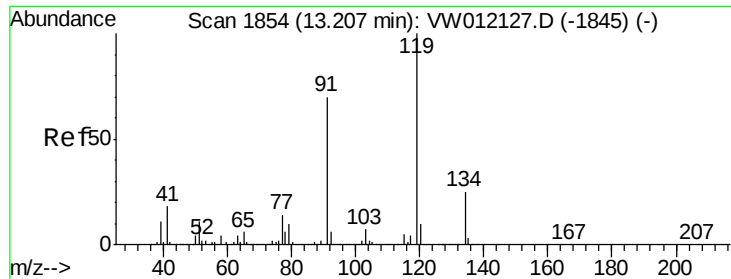
Delta R.T. -0.00 min

Lab File: VW012581.D

Acq: 04 Sep 2019 08:22

Tgt Ion:	91	Resp:	155534
Ion	Ratio	Lower	Upper
91	100		
126	31.3	15.6	46.8





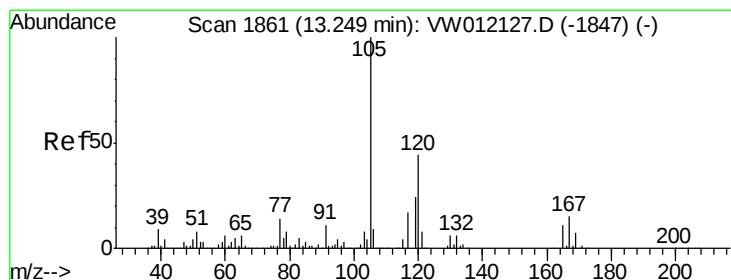
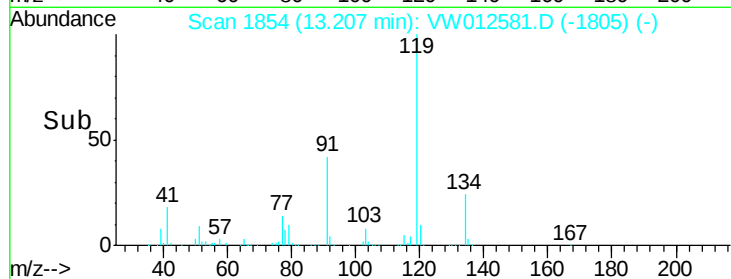
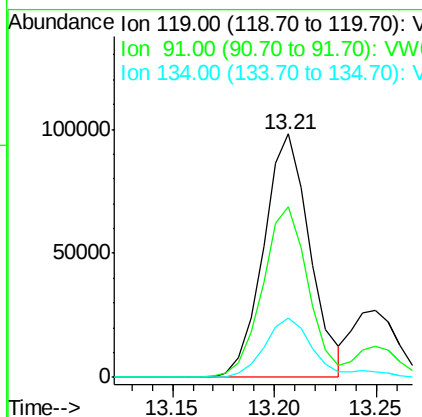
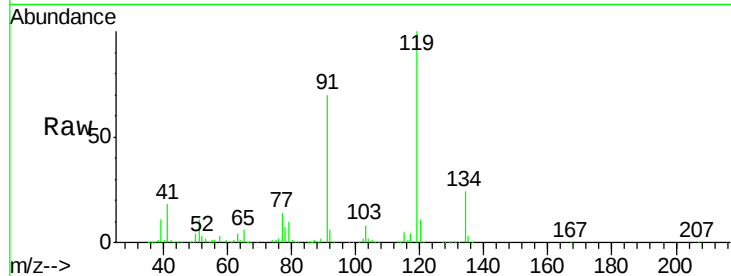
#83
tert-Butylbenzene
Concen: 21.379 ug/l
RT: 13.21 min Scan# 1854
Delta R.T. -0.00 min
Lab File: VW012581.D
Acq: 04 Sep 2019 08:22

Instrument :
MSVOA_W
ClientSampleId :
VW0903SBSD04

Tot Ion	Ratio	Lower	Upper
119	100		
91	68.8	34.8	104.3
134	24.7	13.3	39.8

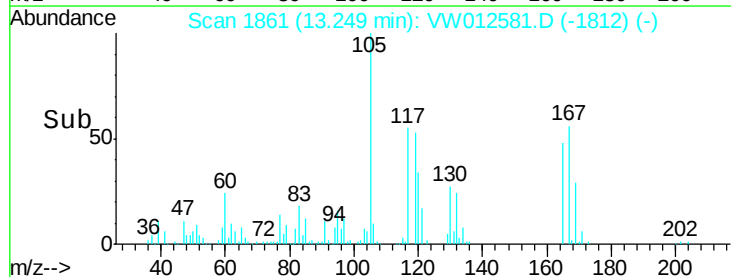
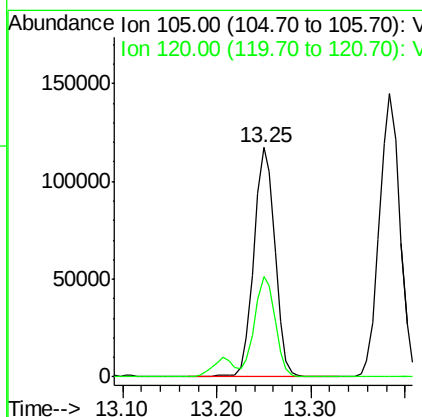
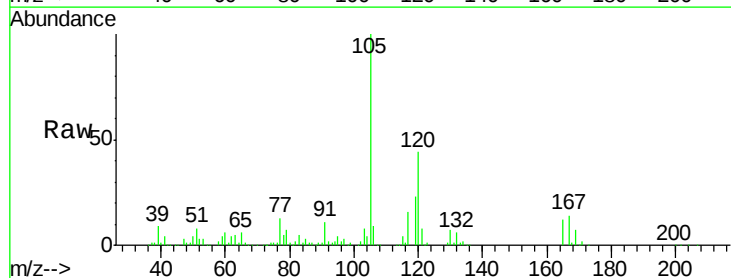
Manual Integrations
APPROVED

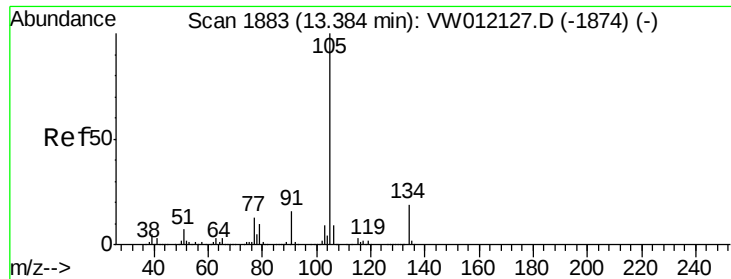
MMDadoda
9/4/2019 9:34:22 AM



#84
1,2,4-Trimethylbenzene
Concen: 21.289 ug/l
RT: 13.25 min Scan# 1861
Delta R.T. -0.00 min
Lab File: VW012581.D
Acq: 04 Sep 2019 08:22

Tgt Ion	Ratio	Lower	Upper
105	100		
120	42.6	21.9	65.7





#85

sec-Butylbenzene

Concen: 21.035 ug/l

RT: 13.38 min Scan# 1883

Delta R.T. -0.00 min

Lab File: VW012581.D

Acq: 04 Sep 2019 08:22

Instrument :

MSVOA_W

ClientSampleId :

VW0903SBS04

Tot Ion:105 Resp: 219320

Ion Ratio Lower Upper

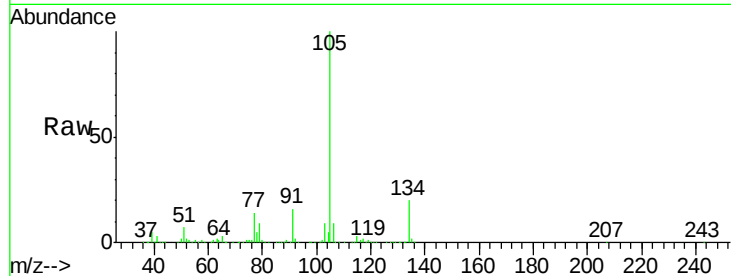
105 100

134 19.2 9.8 29.4

Manual Integrations
APPROVED

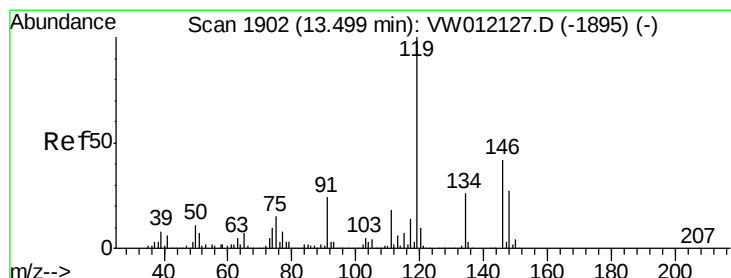
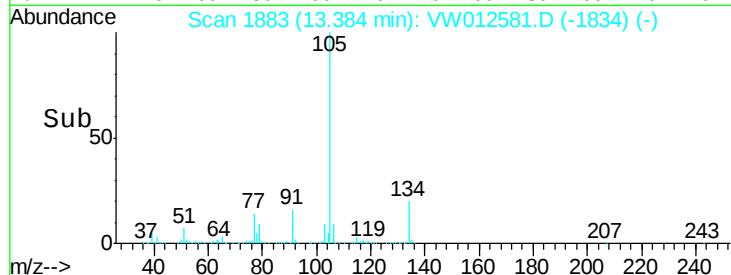
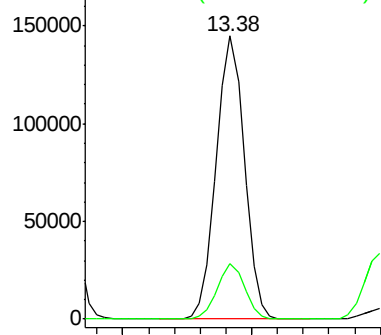
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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 21.274 ug/l

RT: 13.50 min Scan# 1902

Delta R.T. -0.00 min

Lab File: VW012581.D

Acq: 04 Sep 2019 08:22

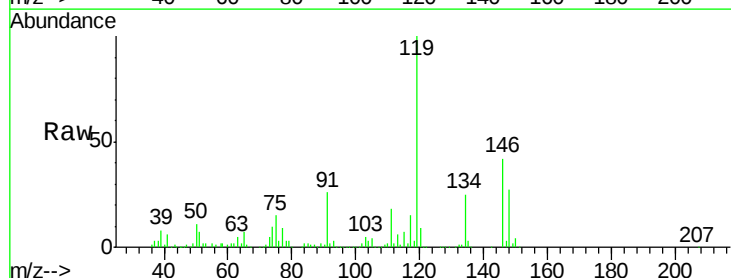
Tgt Ion:119 Resp: 198090

Ion Ratio Lower Upper

119 100

134 25.5 12.8 38.3

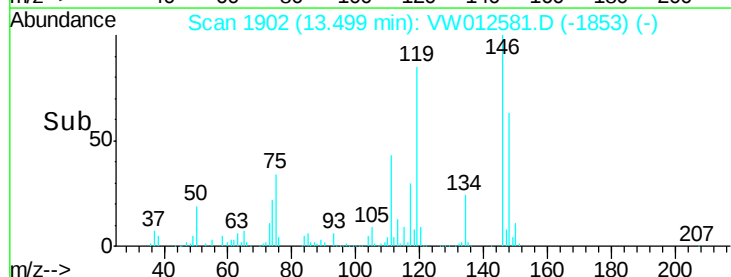
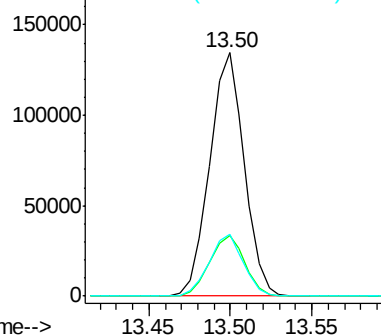
91 25.1 12.3 36.9

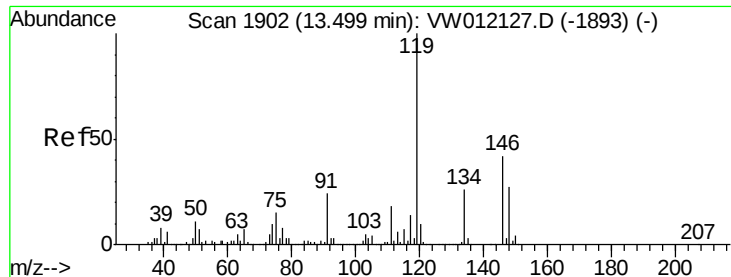


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V





#87

1,3-Dichlorobenzene

Concen: 21.427 ug/l

RT: 13.50 min Scan# 1902

Delta R.T. -0.00 min

Lab File: VW012581.D

Acq: 04 Sep 2019 08:22

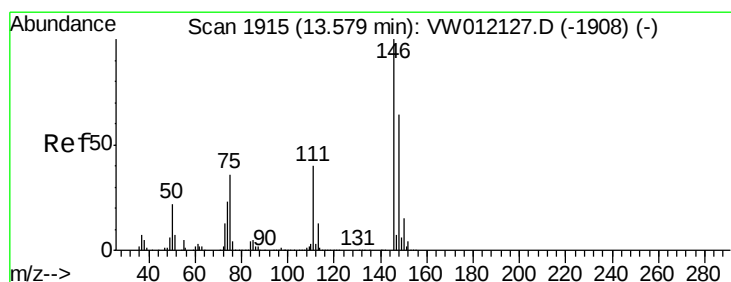
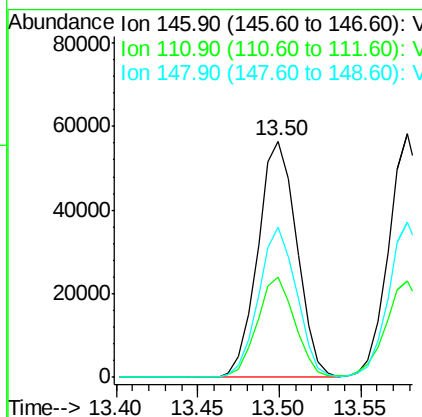
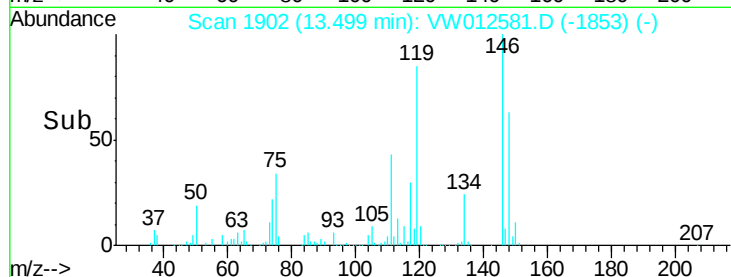
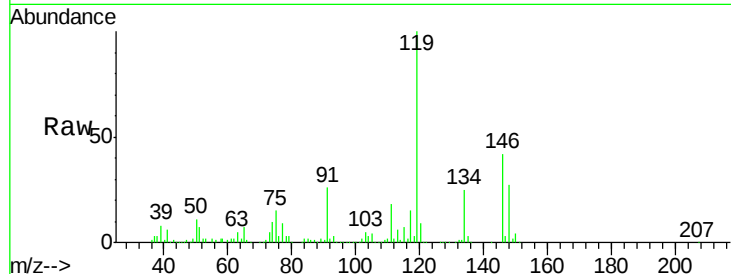
Instrument :
MSVOA_W

ClientSampleId :
VW0903SBSD04

Tot Ion	Ratio	Lower	Upper
146	100		
111	41.3	20.9	62.7
148	61.9	32.2	96.6

Manual Integrations
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#88

1,4-Dichlorobenzene

Concen: 21.243 ug/l

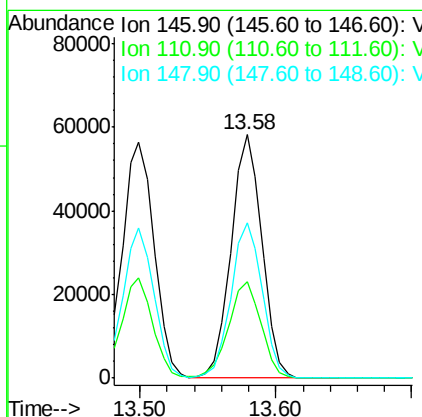
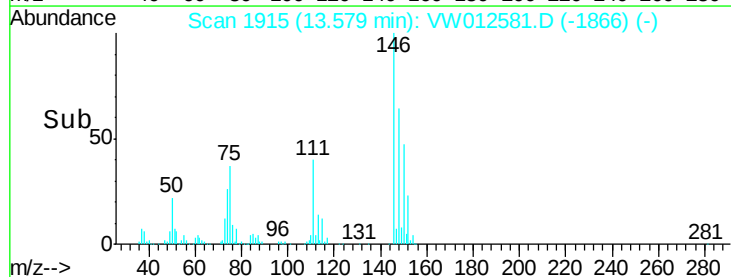
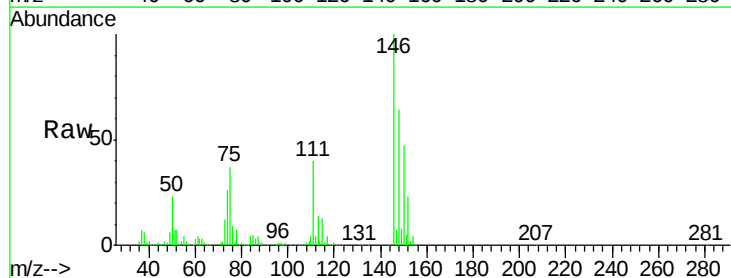
RT: 13.58 min Scan# 1915

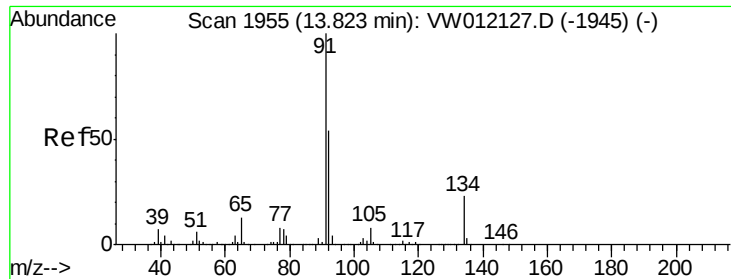
Delta R.T. -0.00 min

Lab File: VW012581.D

Acq: 04 Sep 2019 08:22

Tgt Ion	Ratio	Lower	Upper
146	100		
111	42.0	20.0	60.0
148	64.5	32.1	96.3





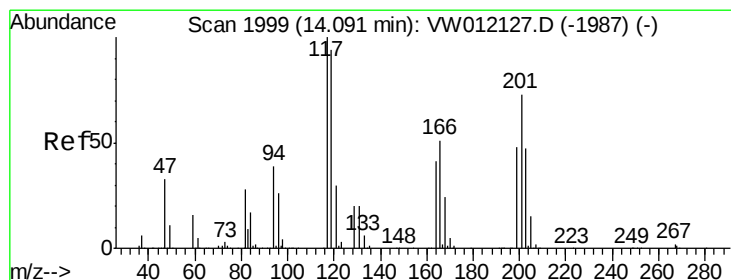
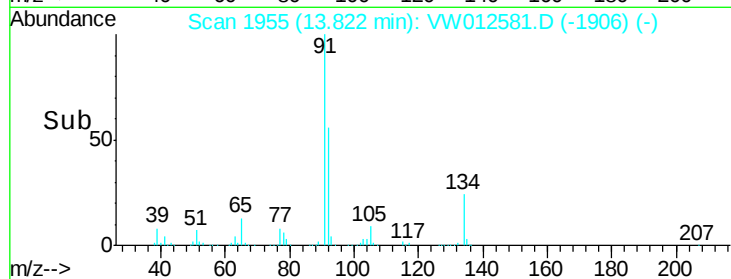
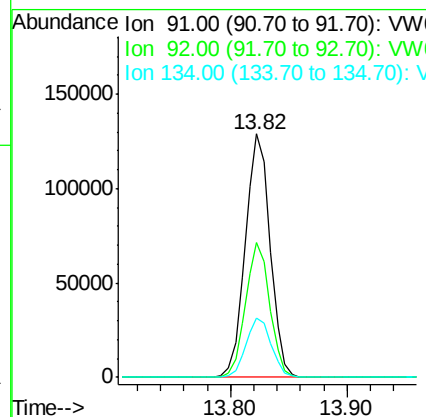
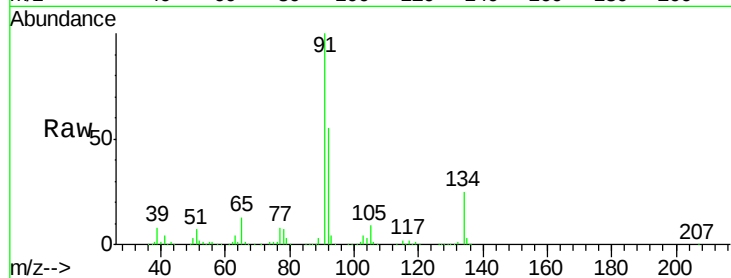
#89
n-Butylbenzene
Concen: 20.750 ug/l
RT: 13.82 min Scan# 1955
Delta R.T. -0.00 min
Lab File: VW012581.D
Acq: 04 Sep 2019 08:22

Instrument :
MSVOA_W
ClientSampleId :
VW0903SBS04

Tot Ion	Ratio	Resp	Lower	Upper
91	100	192135		
92	54.1	27.1	81.2	
134	24.7	12.2	36.4	

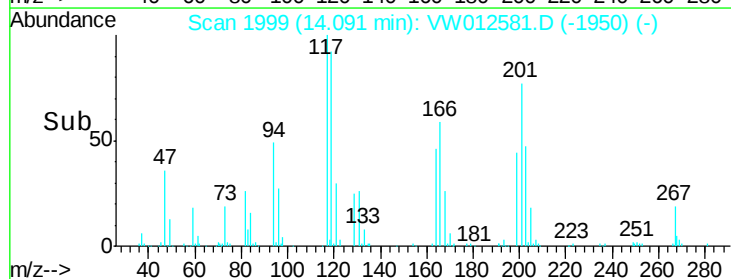
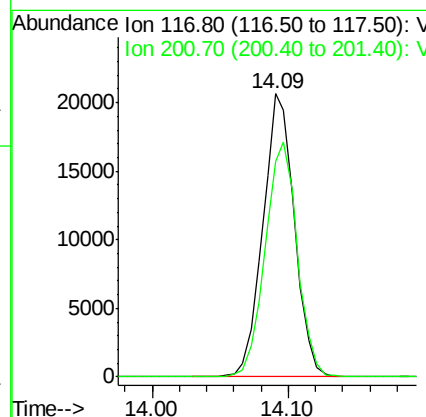
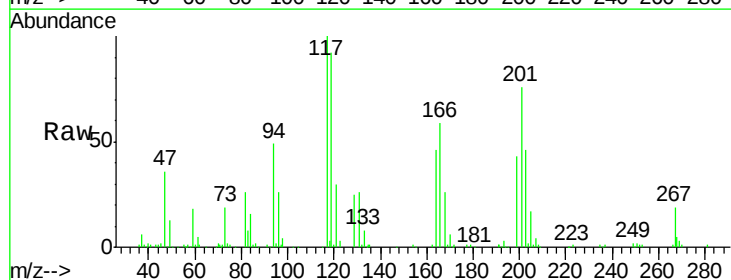
Manual Integrations
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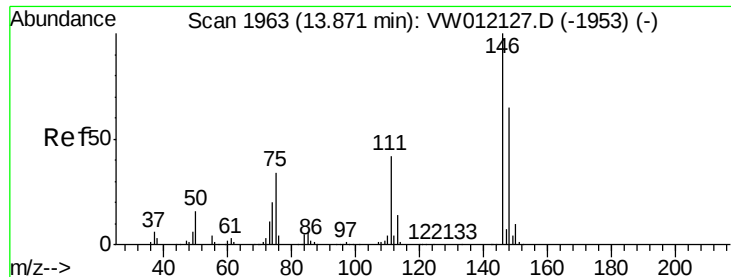
MMDadoda
9/4/2019 9:34:22 AM



#90
Hexachloroethane
Concen: 20.527 ug/l
RT: 14.09 min Scan# 1999
Delta R.T. -0.00 min
Lab File: VW012581.D
Acq: 04 Sep 2019 08:22

Tgt Ion	Ratio	Resp	Lower	Upper
117	100	33533		
201	84.3	38.6	115.7	





#91

1,2-Dichlorobenzene

Concen: 21.527 ug/l

RT: 13.87 min Scan# 1963

Delta R.T. -0.00 min

Lab File: VW012581.D

Acq: 04 Sep 2019 08:22

Instrument :

MSVOA_W

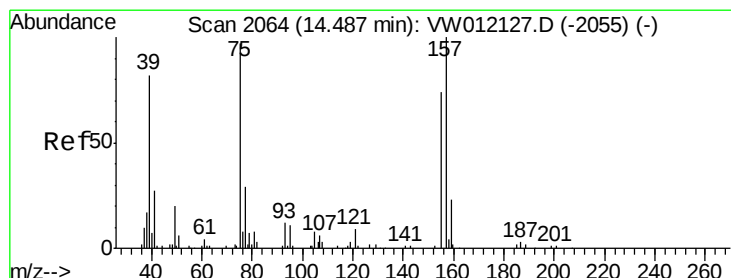
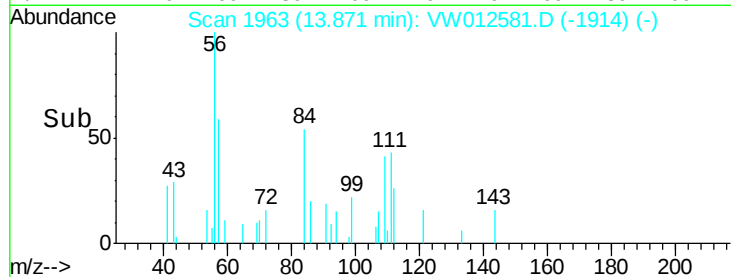
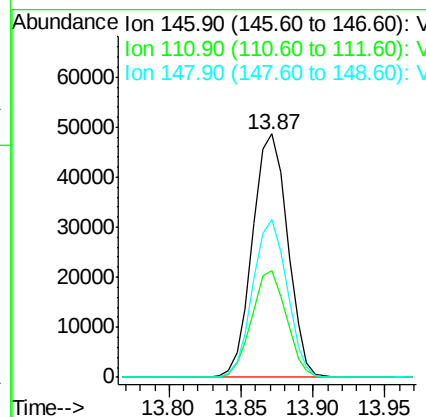
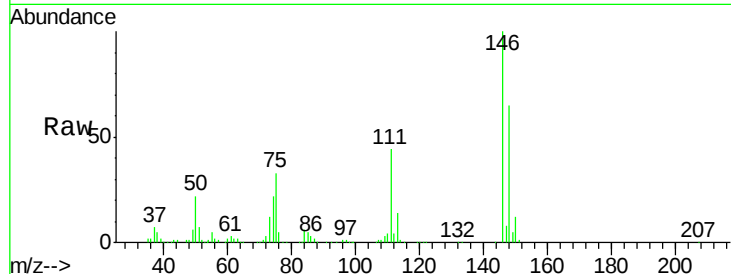
ClientSampleId :

VW0903SBSD04

Tot Ion:	146	Resp:	82162
Ion Ratio	Lower	Upper	
146	100		
111	43.1	21.2	63.6
148	63.1	32.5	97.4

Manual Integrations
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#92

1,2-Dibromo-3-Chloropropane

Concen: 22.762 ug/l

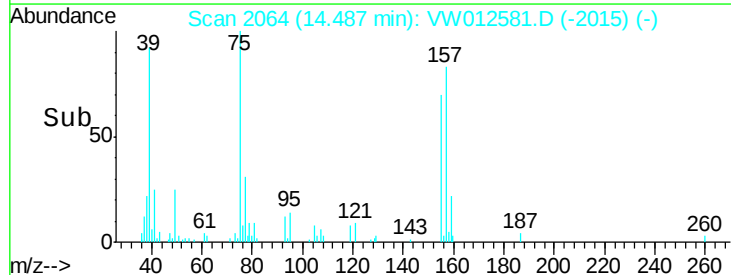
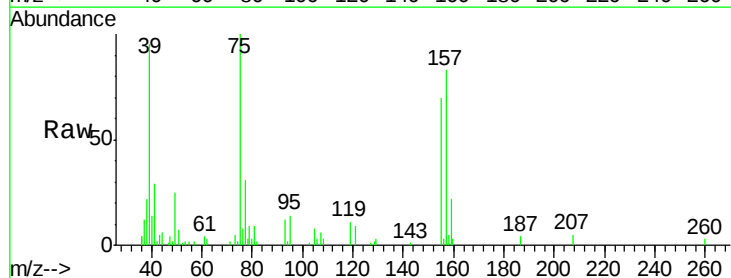
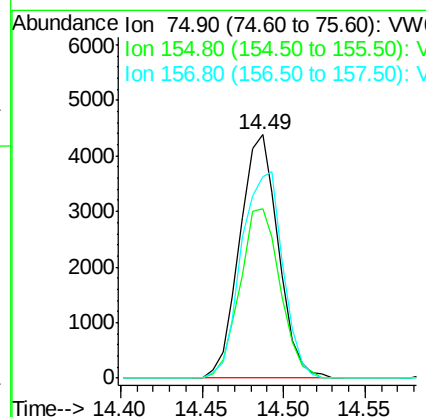
RT: 14.49 min Scan# 2064

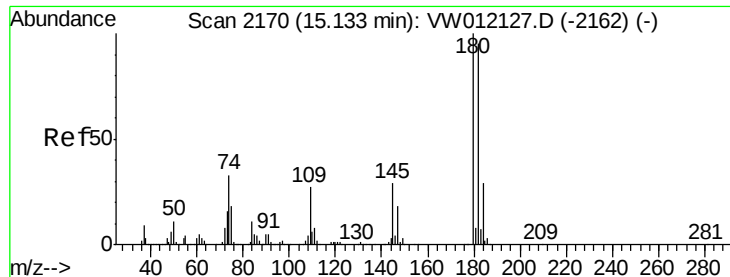
Delta R.T. -0.00 min

Lab File: VW012581.D

Acq: 04 Sep 2019 08:22

Tgt Ion:	75	Resp:	7233
Ion Ratio	Lower	Upper	
75	100		
155	72.4	37.5	112.3
157	90.7	50.5	151.5





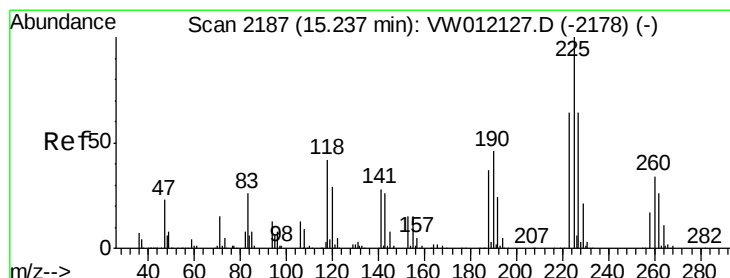
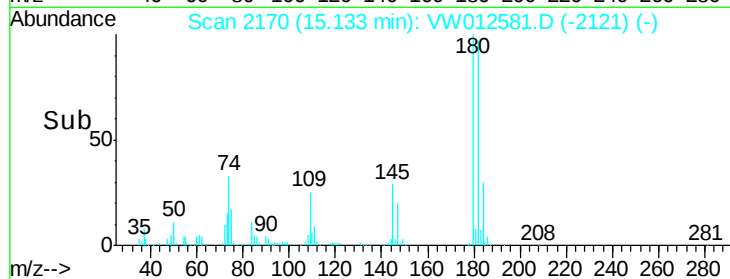
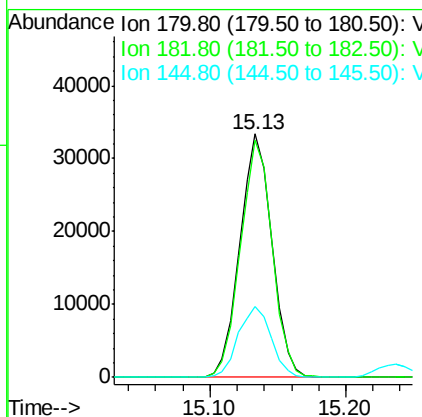
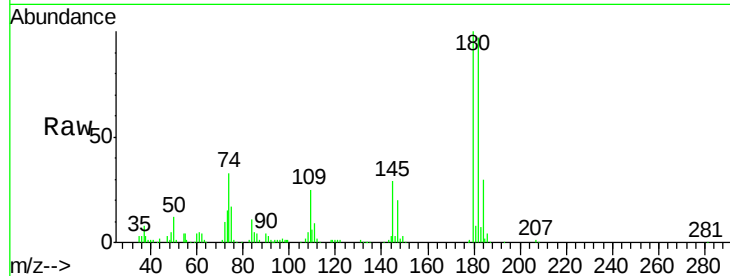
#93
1,2,4-Trichlorobenzene
Concen: 20.870 ug/l
RT: 15.13 min Scan# 2170
Delta R.T. -0.00 min
Lab File: VW012581.D
Acq: 04 Sep 2019 08:22

Instrument :
MSVOA_W
ClientSampleId :
VW0903SBSD04

Tot Ion	Ratio	Resp	Lower	Upper
180	100	55045		
182	96.3	47.8	143.4	
145	29.8	15.0	45.1	

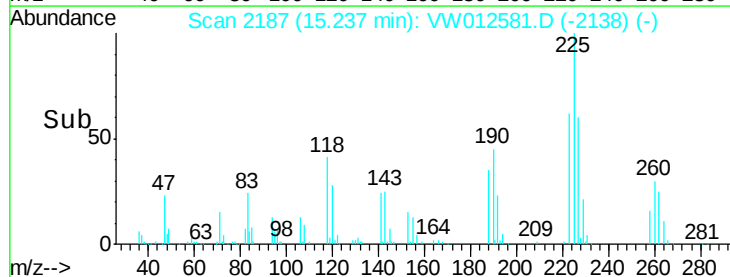
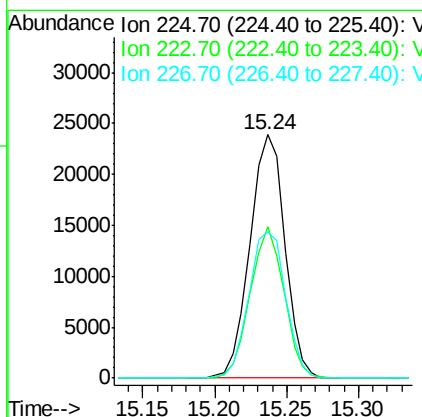
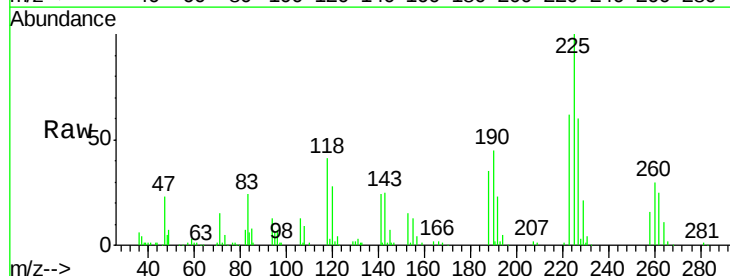
Manual Integrations
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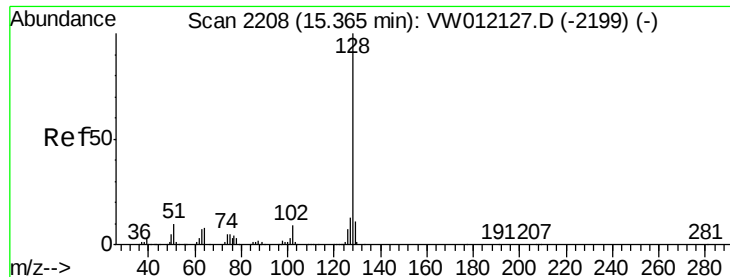
MMDadoda
9/4/2019 9:34:22 AM



#94
Hexachlorobutadiene
Concen: 22.990 ug/l
RT: 15.24 min Scan# 2187
Delta R.T. -0.00 min
Lab File: VW012581.D
Acq: 04 Sep 2019 08:22

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	40039		
223	59.7	32.3	96.8	
227	63.3	32.9	98.6	





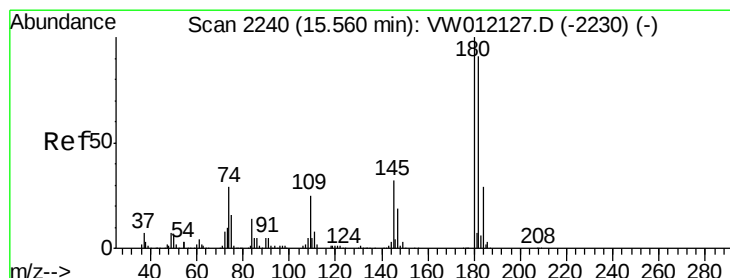
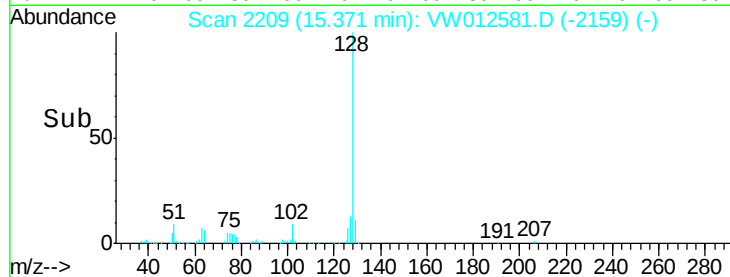
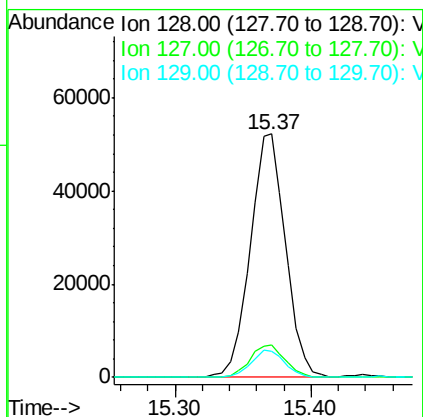
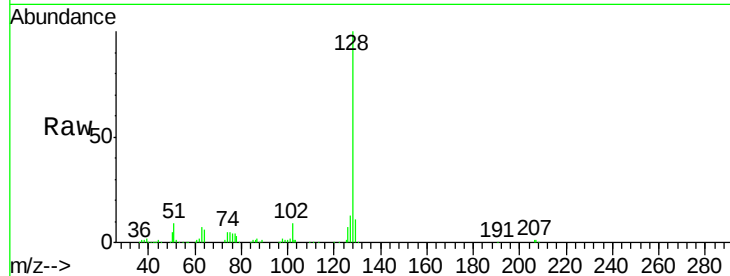
#95
Naphthalene
Concen: 21.047 ug/l
RT: 15.37 min Scan# 2209
Delta R.T. 0.01 min
Lab File: VW012581.D
Acq: 04 Sep 2019 08:22

Instrument :
MSVOA_W
ClientSampleId :
VW0903SBSD04

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

Manual Integrations
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9/4/2019 9:34:22 AM



#96
1,2,3-Trichlorobenzene
Concen: 20.981 ug/l
RT: 15.56 min Scan# 2240
Delta R.T. -0.00 min
Lab File: VW012581.D
Acq: 04 Sep 2019 08:22

Tgt Ion	Ratio	Lower	Upper
180	100		
182	94.4	47.1	141.3
145	32.0	16.2	48.5

