

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW092019\
 Data File : VW013182.D
 Acq On : 20 Sep 2019 14:53
 Operator : SY/VA
 Sample : VSTDIC150
 Misc : 5.00G/5ML/MSVOA W/SOIL
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC150

Manual Integrations
 APPROVED

MMDadoda
 9/24/2019 5:28:49 AM

Quant Time: Sep 20 15:57:51 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W092019S.M
 Quant Title : SW846 8260
 QLast Update : Fri Sep 20 15:21:30 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	362373	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	518740	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	453748	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	223634	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.31	65	424604	143.57	ug/l	0.00
Spiked Amount	50.000		Recovery	=	287.14%	
35) Dibromofluoromethane	7.88	113	421193	147.63	ug/l	0.00
Spiked Amount	50.000		Recovery	=	295.26%	
50) Toluene-d8	10.32	98	1743654	146.03	ug/l	0.00
Spiked Amount	50.000		Recovery	=	292.06%	
62) 4-Bromofluorobenzene	12.62	95	594727	145.81	ug/l	0.00
Spiked Amount	50.000		Recovery	=	291.62%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.01	85	304613	145.727	ug/l	98
3) Chloromethane	2.21	50	368548	137.159	ug/l	100
4) Vinyl Chloride	2.36	62	468698	135.301	ug/l	98
5) Bromomethane	2.76	94	306566	139.648	ug/l	93
6) Chloroethane	2.91	64	286775	140.445	ug/l	97
7) Trichlorofluoromethane	3.25	101	309541	154.965	ug/l	97
8) Diethyl Ether	3.68	74	247880	145.284	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	4.06	101	454964	139.900	ug/l	100
10) Methyl Iodide	4.27	142	721611	143.120	ug/l	100
11) Tert butyl alcohol	5.16	59	157534	760.594	ug/l	98
12) 1,1-Dichloroethene	4.04	96	478238	142.012	ug/l	97
13) Acrolein	3.89	56	128357	753.937	ug/l	98
14) Allyl chloride	4.66	41	789515	147.311	ug/l	99
15) Acrylonitrile	5.36	53	547038	742.833	ug/l	99
16) Acetone	4.12	43	487610	731.106	ug/l	97
17) Carbon Disulfide	4.38	76	1438428	147.780	ug/l	99
18) Methyl Acetate	4.66	43	269352	143.671	ug/l	100
19) Methyl tert-butyl Ether	5.42	73	723924	140.262	ug/l	99
20) Methylene Chloride	4.92	84	484233	147.636	ug/l	97
21) trans-1,2-Dichloroethene	5.42	96	514660	141.399	ug/l	92
22) Diisopropyl ether	6.31	45	1470667	144.301	ug/l	98
23) Vinyl Acetate	6.25	43	4528086	748.913	ug/l	99
24) 1,1-Dichloroethane	6.21	63	884047	143.750	ug/l	99
25) 2-Butanone	7.17	43	728640	727.768	ug/l	95
26) 2,2-Dichloropropane	7.17	77	518534	147.410	ug/l	98
27) cis-1,2-Dichloroethene	7.17	96	556592	144.903	ug/l	99
28) Bromochloromethane	7.51	49	367394	155.653	ug/l #	100
29) Tetrahydrofuran	7.52	42	462273	752.885	ug/l	99
30) Chloroform	7.67	83	848474	140.918	ug/l	98
31) Cyclohexane	7.95	56	865114	134.949	ug/l	97
32) 1,1,1-Trichloroethane	7.87	97	696770	142.882	ug/l	99
36) 1,1-Dichloropropene	8.08	75	716795	142.664	ug/l	99
37) Ethyl Acetate	7.24	43	310310	145.319	ug/l	100
38) Carbon Tetrachloride	8.07	117	661129	146.787	ug/l	98

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 Quant Title : SW846 8260
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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.34	83	937437	145.185	ug/l	98
40) Benzene	8.32	78	2014718	143.760	ug/l	100
41) Methacrylonitrile	7.48	41	201561	158.155	ug/l	94
42) 1,2-Dichloroethane	8.40	62	538293	142.883	ug/l	99
43) Isopropyl Acetate	8.42	43	612742	149.719	ug/l	98
44) Trichloroethene	9.09	130	566498	144.073	ug/l	100
45) 1,2-Dichloropropane	9.37	63	496521	145.117	ug/l	98
46) Dibromomethane	9.46	93	240497	144.779	ug/l	98
47) Bromodichloromethane	9.64	83	636710	150.635	ug/l	96
48) Methyl methacrylate	9.43	41	310963	161.586	ug/l	97
49) 1,4-Dioxane	9.45	88	72872	2922.507	ug/l #	92
51) 4-Methyl-2-Pentanone	10.21	43	1533608	747.477	ug/l	99
52) Toluene	10.38	92	1304717	145.263	ug/l	99
53) t-1,3-Dichloropropene	10.60	75	675162	155.473	ug/l	100
54) cis-1,3-Dichloropropene	10.07	75	818199	154.959	ug/l	99
55) 1,1,2-Trichloroethane	10.79	97	362644	146.059	ug/l	98
56) Ethyl methacrylate	10.65	69	509675	156.852	ug/l	100
57) 1,3-Dichloropropane	10.93	76	638161	147.289	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.92	63	1150289	764.671	ug/l	99
59) 2-Hexanone	10.97	43	1085921	769.299	ug/l	100
60) Dibromochloromethane	11.13	129	437363	155.134	ug/l	100
61) 1,2-Dibromoethane	11.23	107	348753	147.733	ug/l	100
64) Tetrachloroethene	10.86	164	485303	140.964	ug/l	98
65) Chlorobenzene	11.66	112	1358539	143.379	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.73	131	478627	147.860	ug/l	99
67) Ethyl Benzene	11.73	91	2482158	144.581	ug/l	99
68) m/p-Xylenes	11.84	106	1896284	289.860	ug/l	100
69) o-Xylene	12.16	106	881736	144.967	ug/l	98
70) Styrene	12.18	104	1529950	146.518	ug/l	100
71) Bromoform	12.35	173	261977	153.192	ug/l #	99
73) Isopropylbenzene	12.46	105	2425667	146.832	ug/l	100
74) N-amyl acetate	12.27	43	570083	155.514	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.71	83	401840	145.444	ug/l	100
76) 1,2,3-Trichloropropane	12.77	75	263611m	133.475	ug/l	
77) Bromobenzene	12.74	156	566219	144.636	ug/l	97
78) n-propylbenzene	12.80	91	2822734	145.974	ug/l	100
79) 2-Chlorotoluene	12.89	91	1573394	145.235	ug/l	100
80) 1,3,5-Trimethylbenzene	12.94	105	2011549	144.853	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.51	75	144729	164.437	ug/l	96
82) 4-Chlorotoluene	12.99	91	1654163	144.794	ug/l	99
83) tert-Butylbenzene	13.21	119	1757751	144.213	ug/l	99
84) 1,2,4-Trimethylbenzene	13.25	105	1983487	143.537	ug/l	99
85) sec-Butylbenzene	13.38	105	2412563	143.569	ug/l	99
86) p-Isopropyltoluene	13.50	119	2258108	144.880	ug/l	99
87) 1,3-Dichlorobenzene	13.50	146	1077676	143.036	ug/l	100
88) 1,4-Dichlorobenzene	13.58	146	1061959	143.717	ug/l	99
89) n-Butylbenzene	13.82	91	2099115	147.496	ug/l	100
90) Hexachloroethane	14.09	117	396859	151.570	ug/l	100
91) 1,2-Dichlorobenzene	13.87	146	952708	146.163	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.49	75	64923	153.631	ug/l	97

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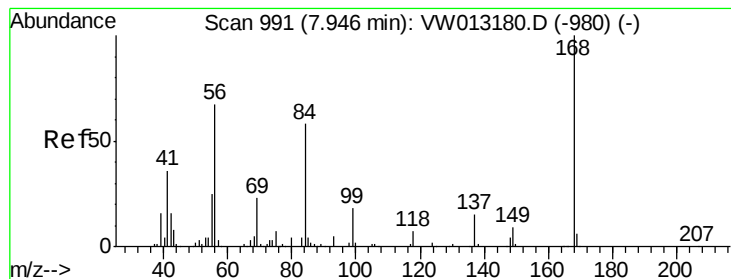
Manual Integrations
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.13	180	753495	161.323	ug/l	99
94) Hexachlorobutadiene	15.24	225	464244	145.283	ug/l	99
95) Naphthalene	15.36	128	1299655	170.133	ug/l	100
96) 1,2,3-Trichlorobenzene	15.55	180	644426	159.676	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: VW013182.D

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Instrument :

MSVOA_W

ClientSampleId :

VSTDIC150

Tot Ion:168 Resp: 362373

Ion Ratio Lower Upper

168 100

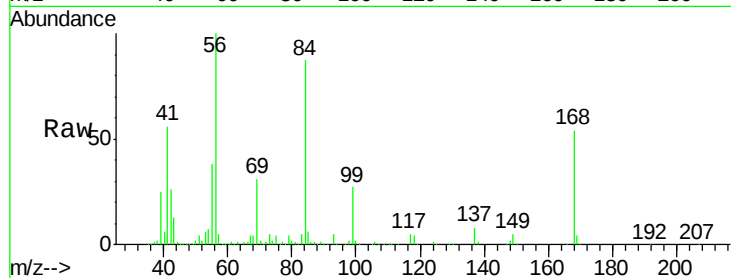
99 49.5 40.2 60.4

Manual Integrations

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9/24/2019 5:28:49 AM



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW

200000

150000

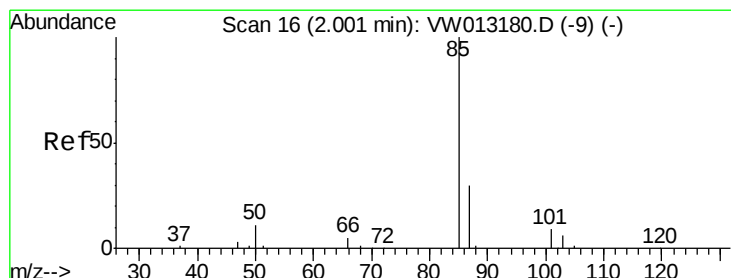
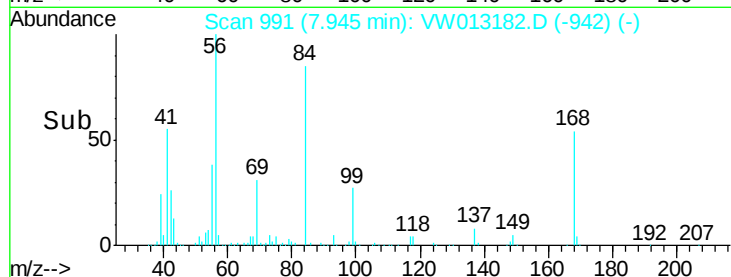
100000

50000

0

7.80 7.90 8.00 8.10

Time-->



#2

Dichlorodifluoromethane

Concen: 145.727 ug/l

RT: 2.01 min Scan# 17

Delta R.T. 0.01 min

Lab File: VW013182.D

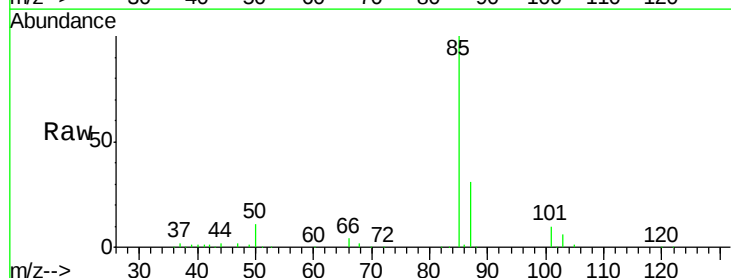
Acq: 20 Sep 2019 14:53

Tgt Ion: 85 Resp: 304613

Ion Ratio Lower Upper

85 100

87 31.1 15.1 45.3



Abundance Ion 84.90 (84.60 to 85.60): VW

Ion 86.90 (86.60 to 87.60): VW

120000

100000

80000

60000

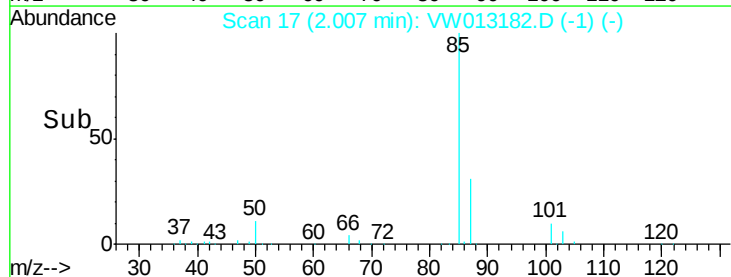
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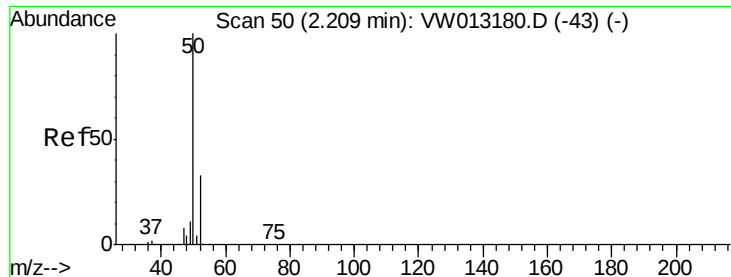
20000

0

2.00 2.20

Time-->





#3

Chloromethane

Concen: 137.159 ug/l

RT: 2.21 min Scan# 51

Delta R.T. 0.01 min

Lab File: VW013182.D

Acq: 20 Sep 2019 14:53

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC150

Tot Ion: 50 Resp: 368548

Ion Ratio Lower Upper

50 100

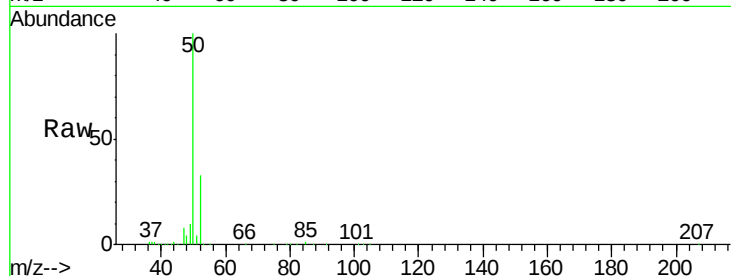
52 32.7 26.1 39.1

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Abundance Ion 49.90 (49.60 to 50.60): VW

Ion 51.90 (51.60 to 52.60): VW

2.21

200000

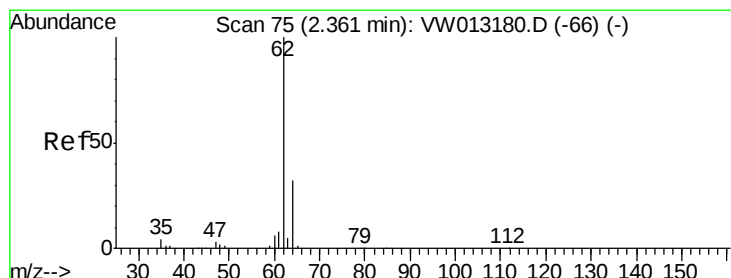
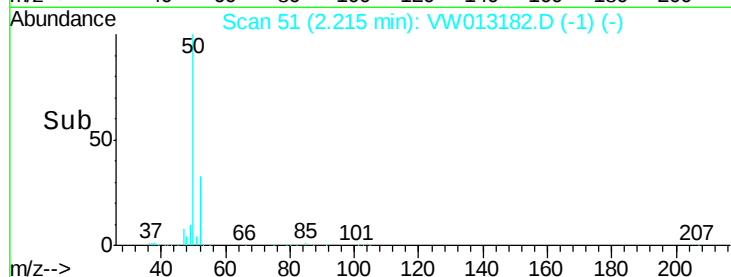
150000

100000

50000

0

Time-->



#4

Vinyl Chloride

Concen: 135.301 ug/l

RT: 2.36 min Scan# 75

Delta R.T. -0.00 min

Lab File: VW013182.D

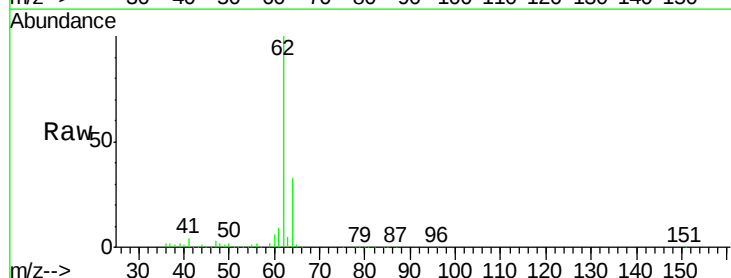
Acq: 20 Sep 2019 14:53

Tgt Ion: 62 Resp: 468698

Ion Ratio Lower Upper

62 100

64 32.7 25.3 37.9



Abundance Ion 61.90 (61.60 to 62.60): VW

Ion 63.90 (63.60 to 64.60): VW

2.36

250000

200000

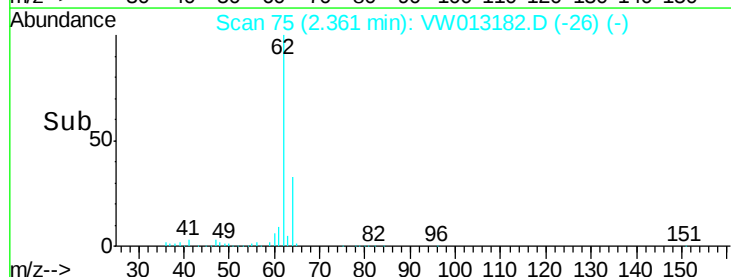
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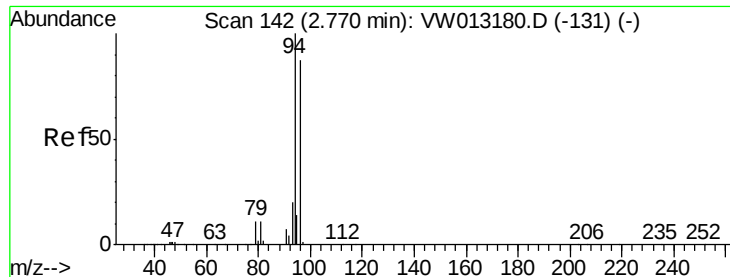
100000

50000

0

Time-->





#5

Bromomethane

Concen: 139.648 ug/l

RT: 2.76 min Scan# 140

Delta R.T. -0.01 min

Lab File: VW013182.D

Acq: 20 Sep 2019 14:53

Instrument :

MSVOA_W

ClientSampleId :

VSTDICC150

Tot Ion: 94 Resp: 306566

Ion Ratio Lower Upper

94 100

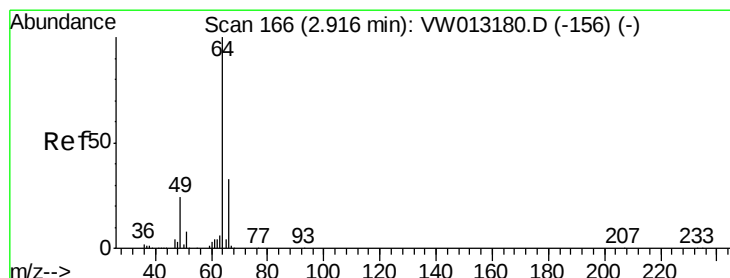
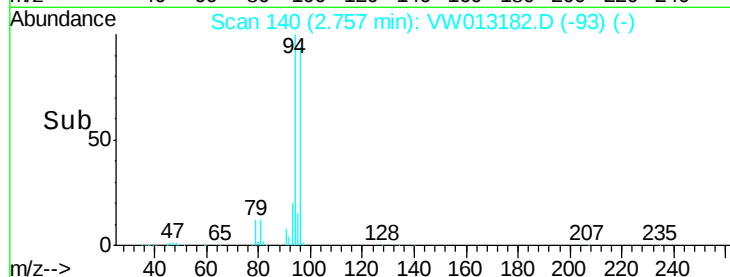
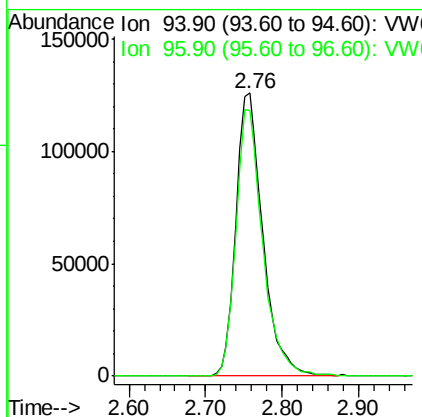
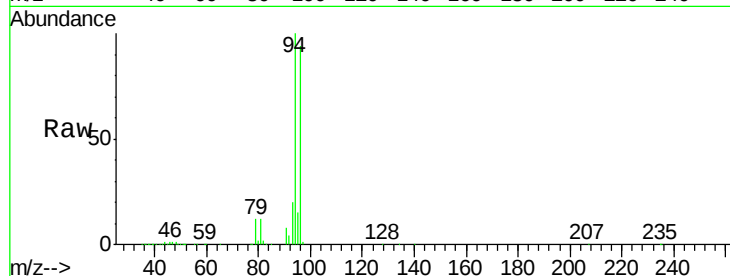
96 93.9 69.7 104.5

Manual Integrations

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#6

Chloroethane

Concen: 140.445 ug/l

RT: 2.91 min Scan# 165

Delta R.T. -0.01 min

Lab File: VW013182.D

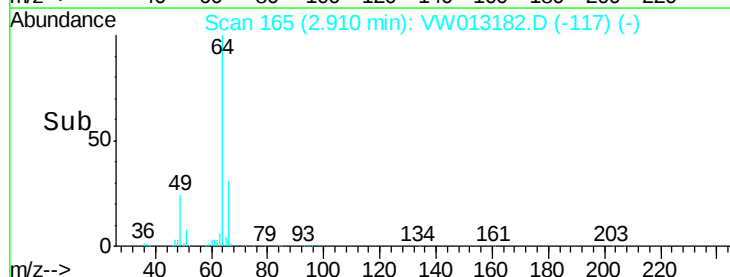
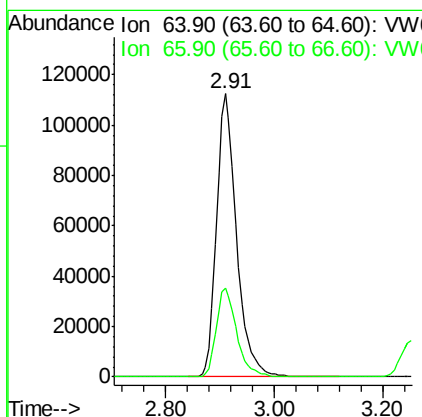
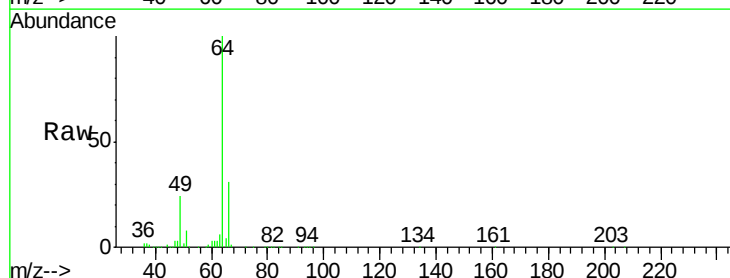
Acq: 20 Sep 2019 14:53

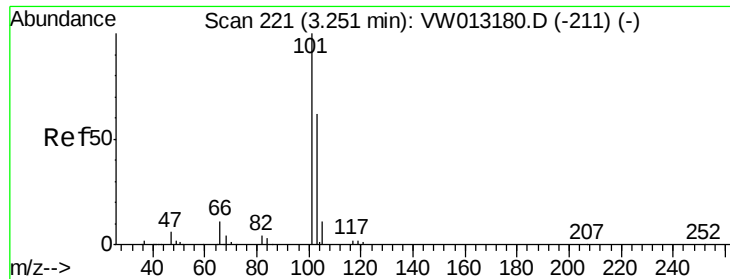
Tgt Ion: 64 Resp: 286775

Ion Ratio Lower Upper

64 100

66 31.5 26.6 39.8





#7

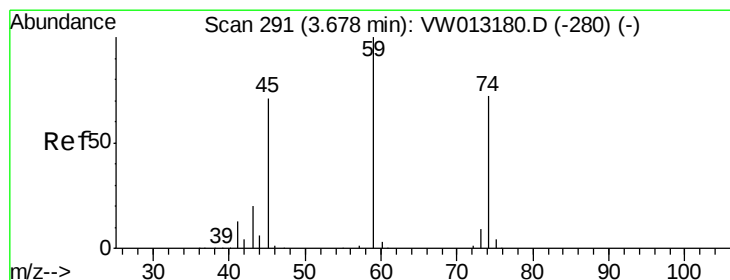
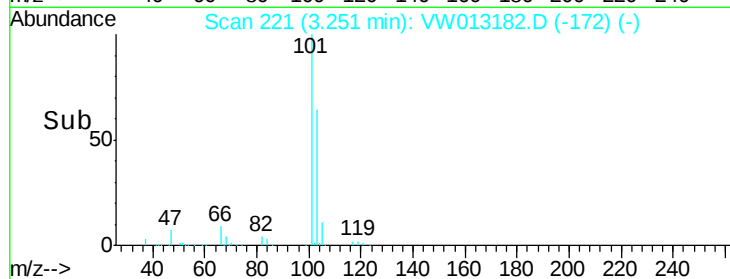
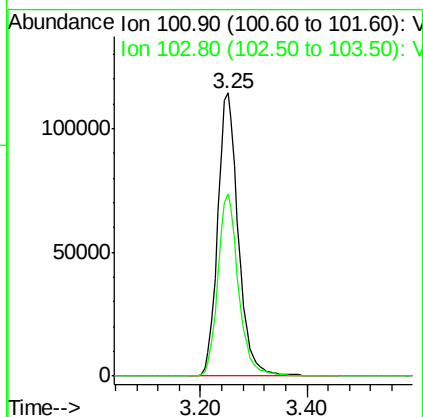
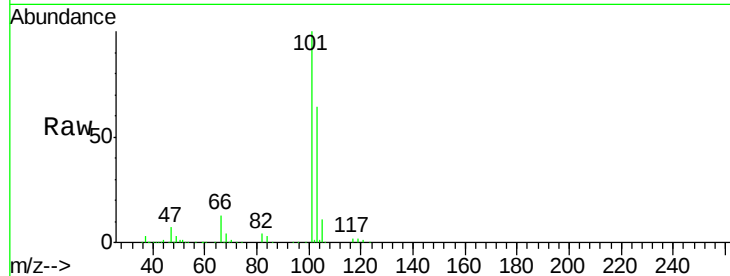
Trichlorofluoromethane
Concen: 154.965 ug/l
RT: 3.25 min Scan# 221
Delta R.T. -0.00 min
Lab File: VW013182.D
Acq: 20 Sep 2019 14:53

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Tot Ion	Ratio	Lower	Upper
101	100		
103	64.2	49.7	74.5

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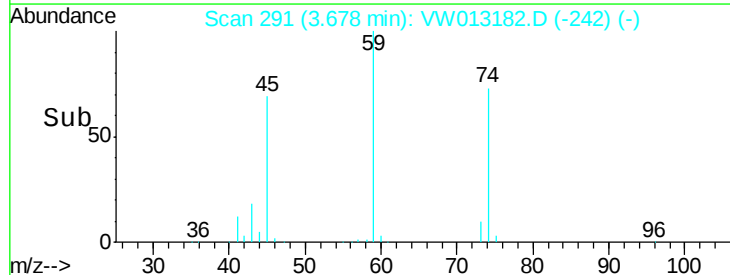
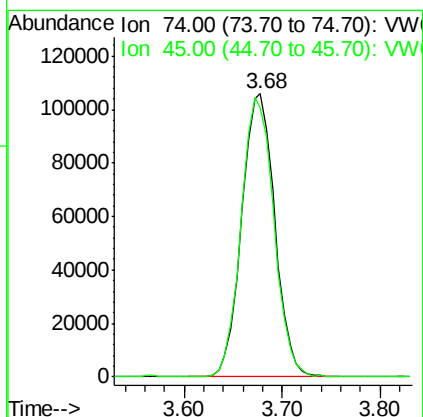
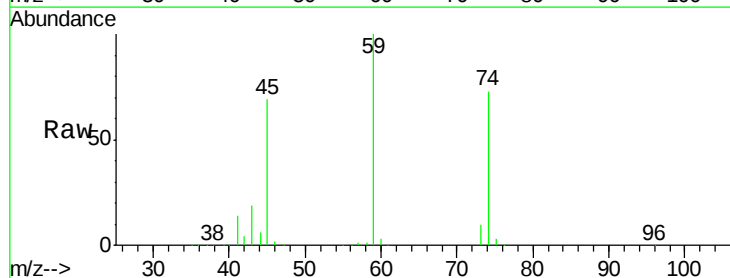
MMDadoda
9/24/2019 5:28:49 AM

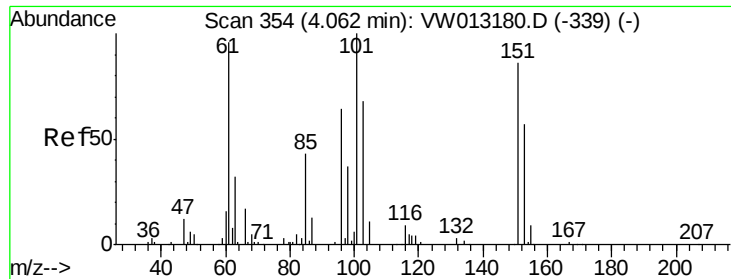


#8

Diethyl Ether
Concen: 145.284 ug/l
RT: 3.68 min Scan# 291
Delta R.T. -0.00 min
Lab File: VW013182.D
Acq: 20 Sep 2019 14:53

Tgt Ion	Ratio	Lower	Upper
74	100		
45	97.6	49.5	148.7





#9

1,1,2-Trichlorotrifluoroethane

Concen: 139.900 ug/l

RT: 4.06 min Scan# 353

Delta R.T. -0.01 min

Lab File: VW013182.D

Acq: 20 Sep 2019 14:53

Instrument :

MSVOA_W

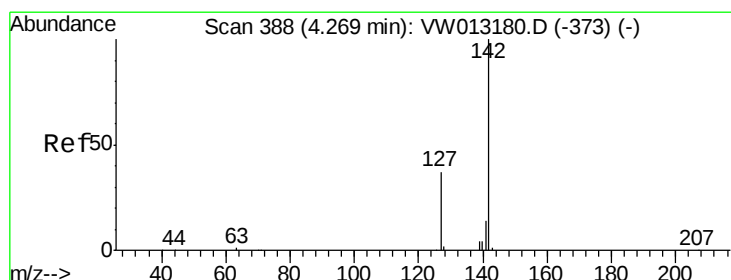
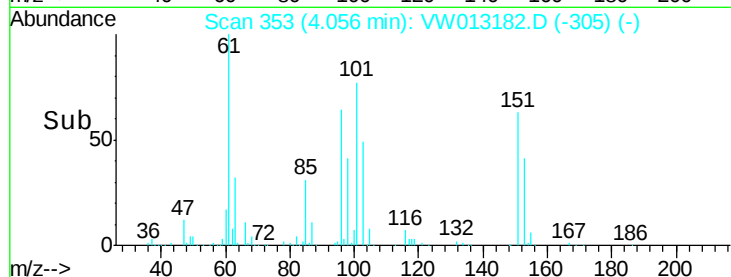
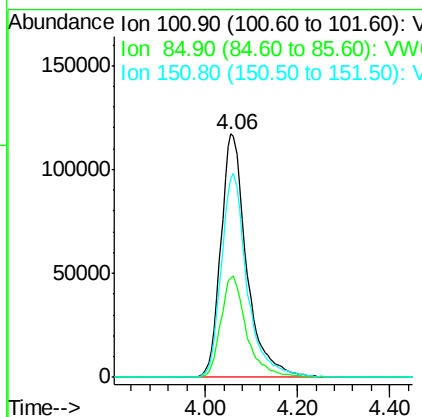
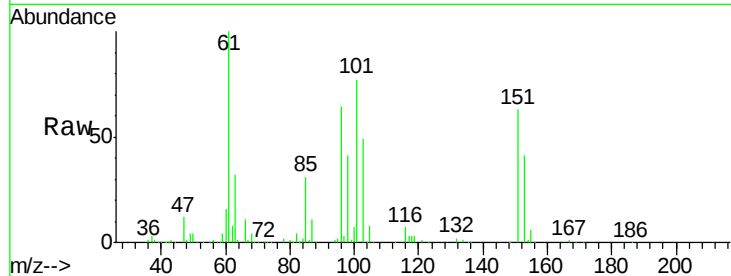
ClientSampleId :

VSTDIC150

Tot Ion:	101	Resp:	454964
Ion Ratio	Lower	Upper	
101	100		
85	41.4	33.4	50.0
151	83.4	66.9	100.3

Manual Integrations
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#10

Methyl Iodide

Concen: 143.120 ug/l

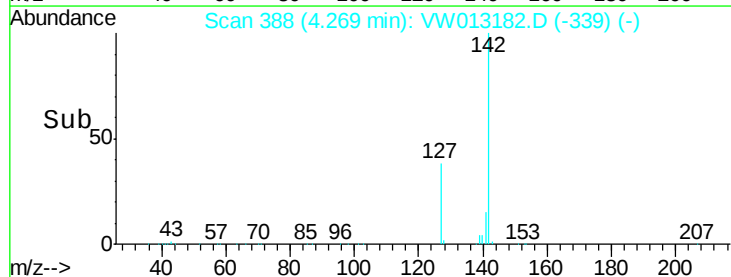
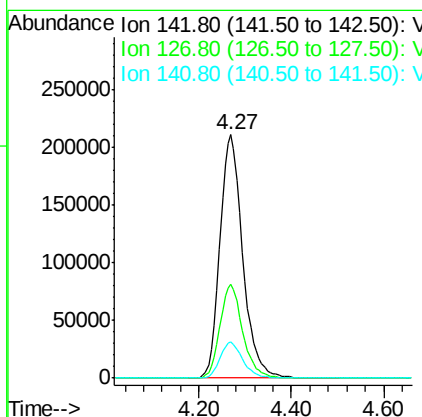
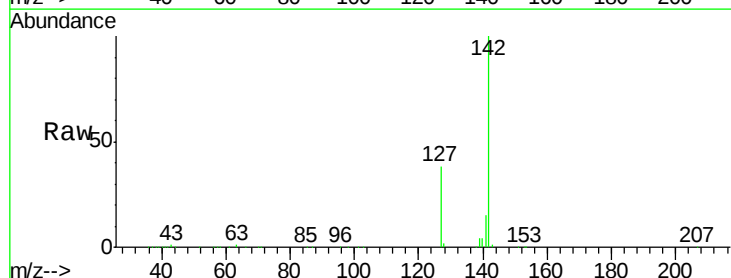
RT: 4.27 min Scan# 388

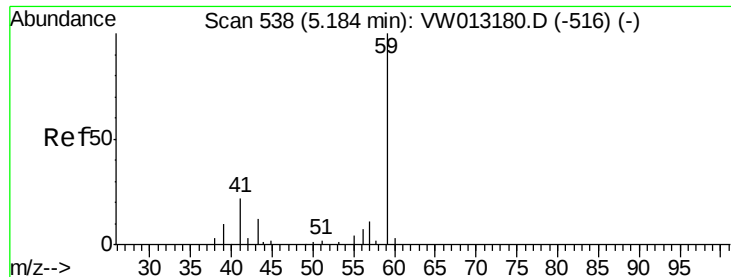
Delta R.T. -0.00 min

Lab File: VW013182.D

Acq: 20 Sep 2019 14:53

Tgt Ion:	142	Resp:	721611
Ion Ratio	Lower	Upper	
142	100		
127	38.4	30.9	46.3
141	14.8	11.7	17.5





#11

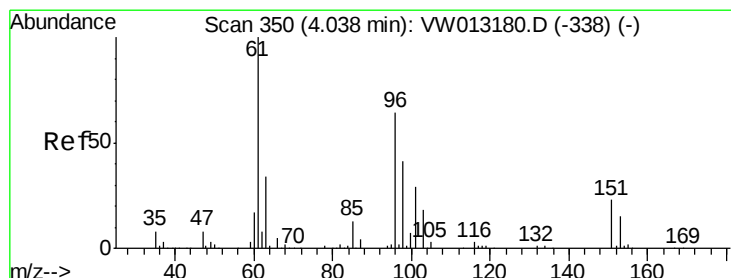
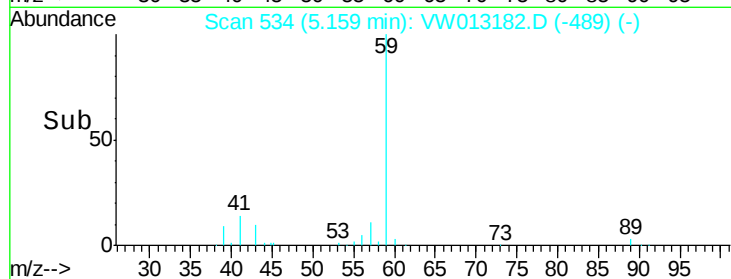
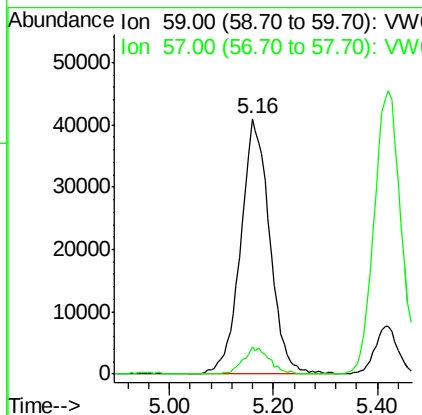
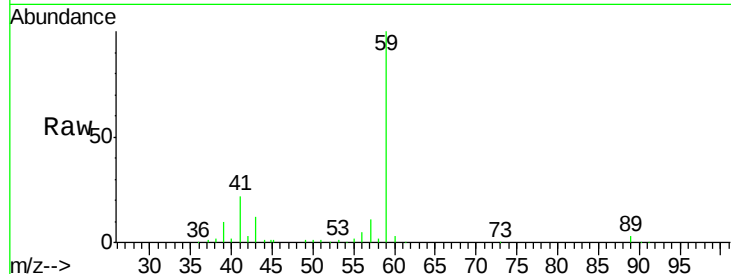
Tert butyl alcohol
 Concen: 760.594 ug/l
 RT: 5.16 min Scan# 534
 Delta R.T. -0.02 min
 Lab File: VW013182.D
 Acq: 20 Sep 2019 14:53

Instrument :
 MSVOA_W
 ClientSampled :
 VSTDIC150

Tot Ion	Ratio	Lower	Upper
59	100		
57	9.5	8.2	12.2

Manual Integrations
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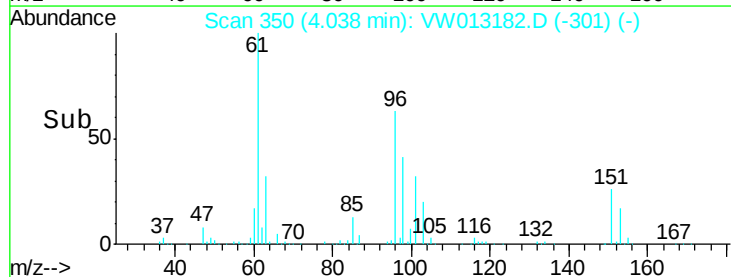
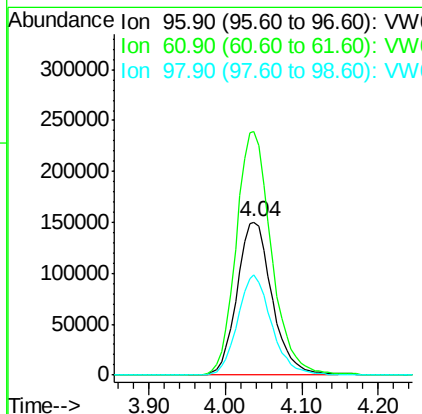
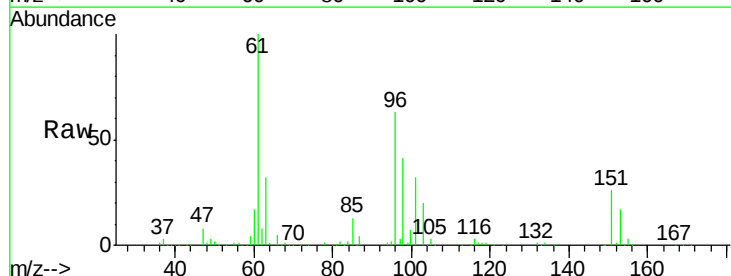
MMDadoda
 9/24/2019 5:28:49 AM

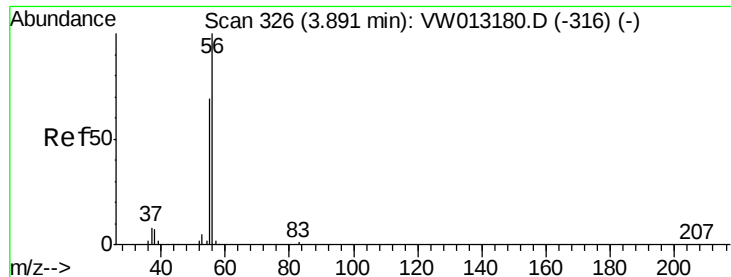


#12

1,1-Dichloroethene
 Concen: 142.012 ug/l
 RT: 4.04 min Scan# 350
 Delta R.T. -0.00 min
 Lab File: VW013182.D
 Acq: 20 Sep 2019 14:53

Tgt Ion	Ratio	Lower	Upper
96	100		
61	159.4	125.1	187.7
98	65.8	50.8	76.2





#13

Acrolein

Concen: 753.937 ug/l

RT: 3.89 min Scan# 325

Delta R.T. -0.01 min

Lab File: VW013182.D

Acq: 20 Sep 2019 14:53

Instrument :

MSVOA_W

ClientSampled :

VSTDIC150

Tot Ion: 56 Resp: 128357

Ion Ratio Lower Upper

56 100

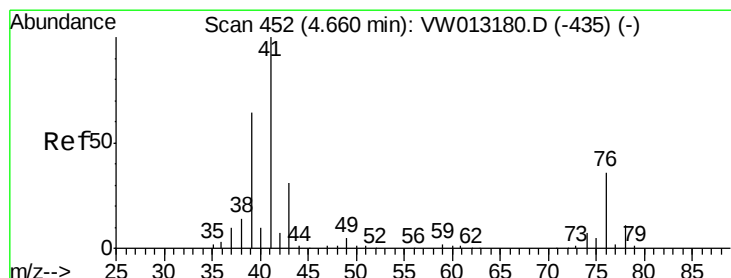
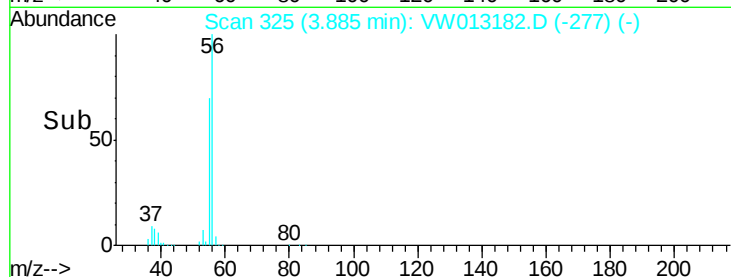
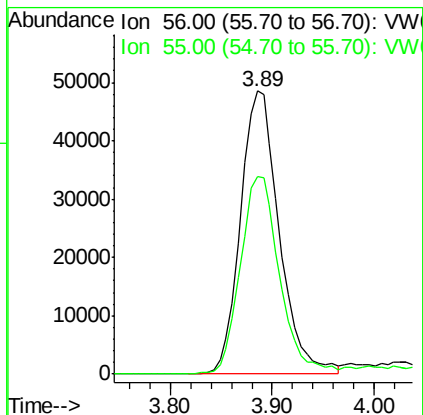
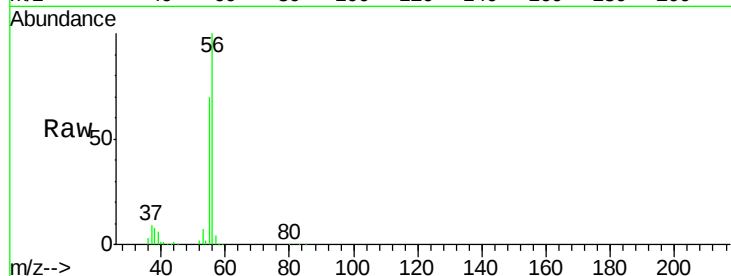
55 70.8 55.4 83.0

Manual Integrations

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MMDadoda

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#14

Allyl chloride

Concen: 147.311 ug/l

RT: 4.66 min Scan# 452

Delta R.T. -0.00 min

Lab File: VW013182.D

Acq: 20 Sep 2019 14:53

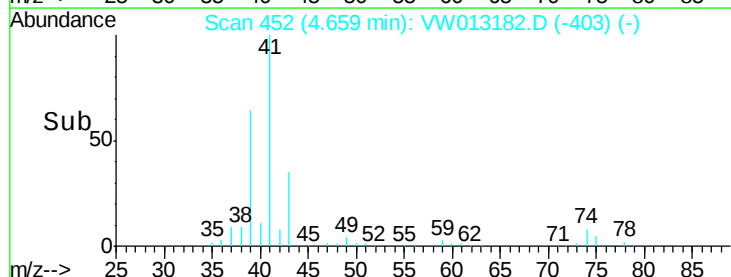
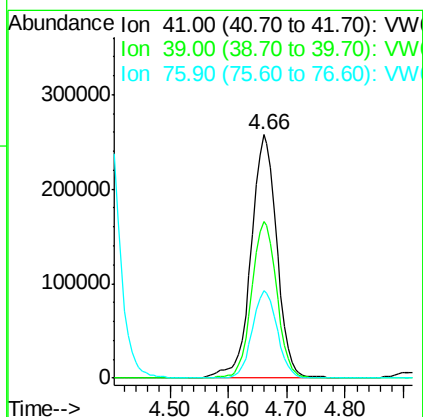
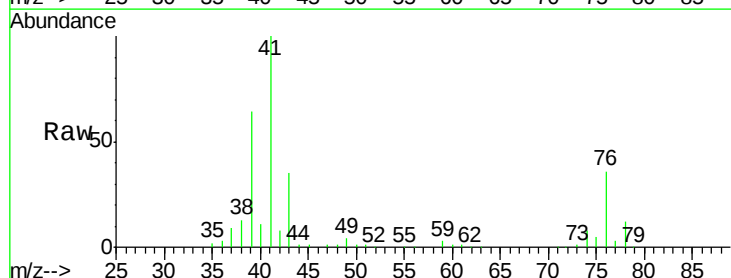
Tgt Ion: 41 Resp: 789515

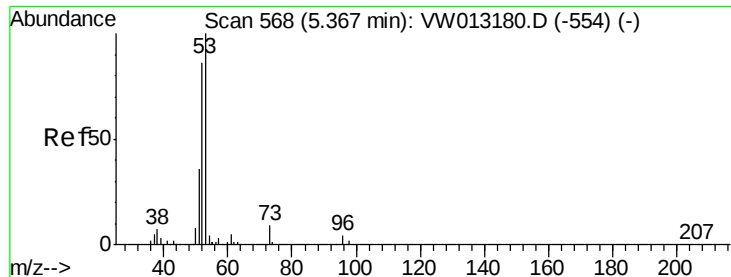
Ion Ratio Lower Upper

41 100

39 62.9 51.0 76.4

76 34.7 28.4 42.6





#15

Acrylonitrile

Concen: 742.833 ug/l

RT: 5.36 min Scan# 567

Delta R.T. -0.01 min

Lab File: VW013182.D

Acq: 20 Sep 2019 14:53

Instrument :

MSVOA_W

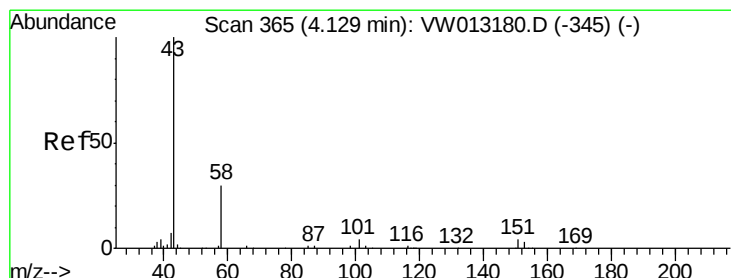
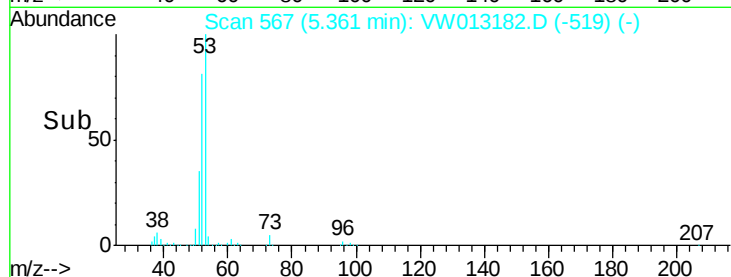
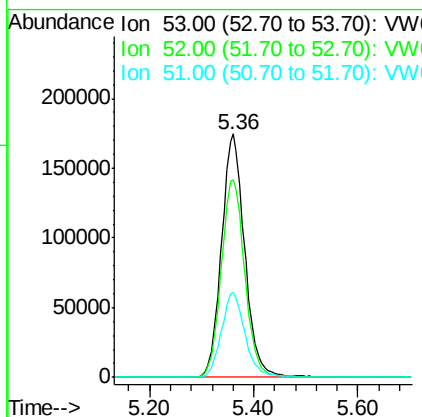
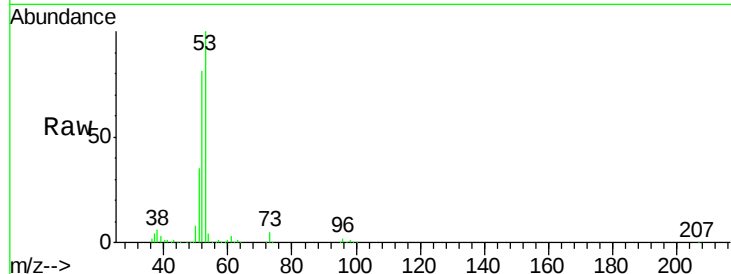
ClientSampleId :

VSTDIC150

Tot Ion:	53	Resp:	547038
Ion Ratio	Lower	Upper	
53	100		
52	82.2	65.3	97.9
51	35.8	29.0	43.4

Manual Integrations
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#16

Acetone

Concen: 731.106 ug/l

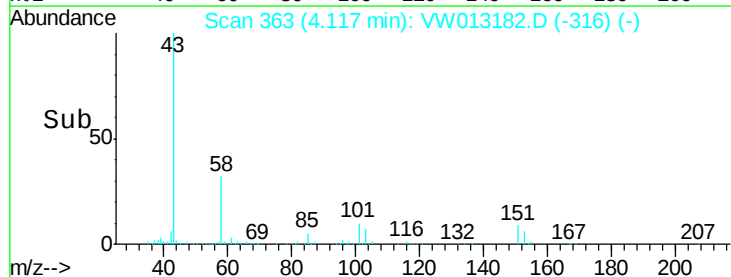
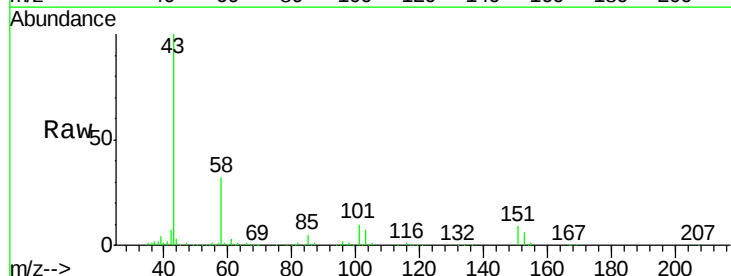
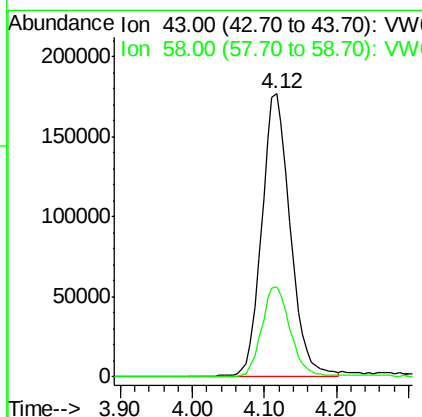
RT: 4.12 min Scan# 363

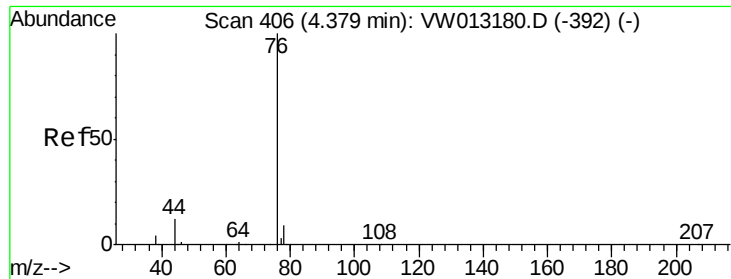
Delta R.T. -0.01 min

Lab File: VW013182.D

Acq: 20 Sep 2019 14:53

Tgt Ion:	43	Resp:	487610
Ion Ratio	Lower	Upper	
43	100		
58	31.7	24.1	36.1





#17

Carbon Disulfide

Concen: 147.780 ug/l

RT: 4.38 min Scan# 406

Delta R.T. -0.00 min

Lab File: VW013182.D

Acq: 20 Sep 2019 14:53

Instrument :

MSVOA_W

ClientSampled :

VSTDICC150

Tot Ion: 76 Resp: 1438428

Ion Ratio Lower Upper

76 100

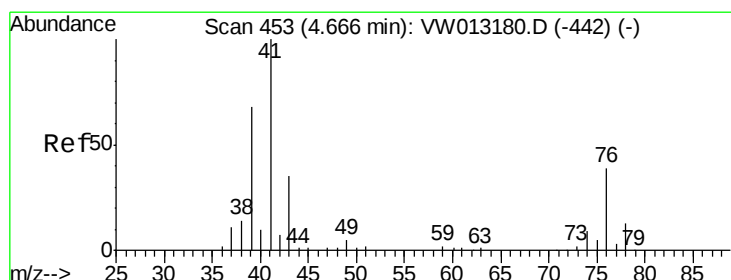
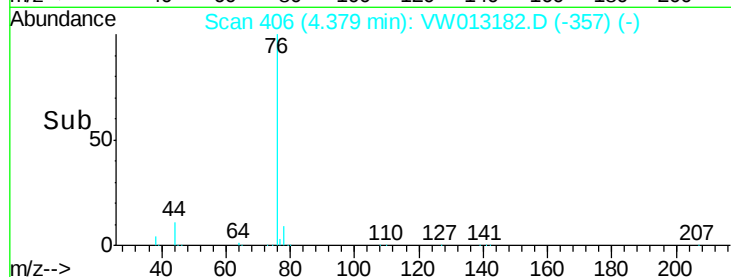
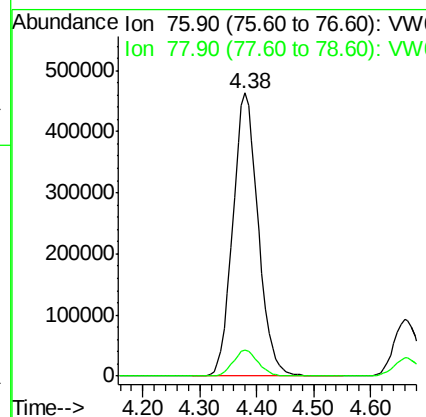
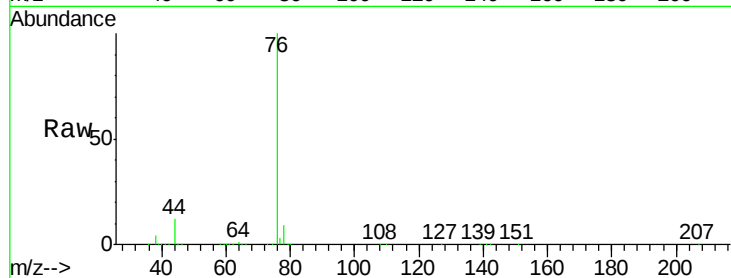
78 9.0 7.0 10.4

Manual Integrations

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#18

Methyl Acetate

Concen: 143.671 ug/l

RT: 4.66 min Scan# 452

Delta R.T. -0.01 min

Lab File: VW013182.D

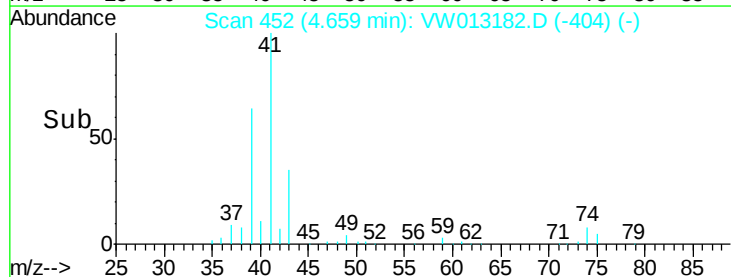
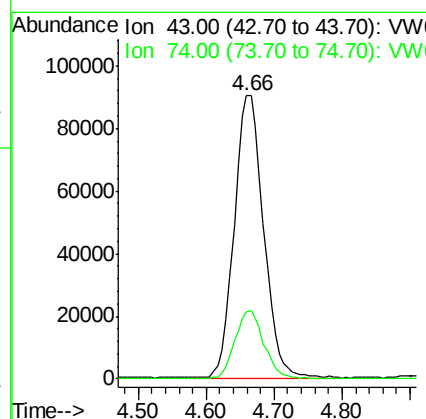
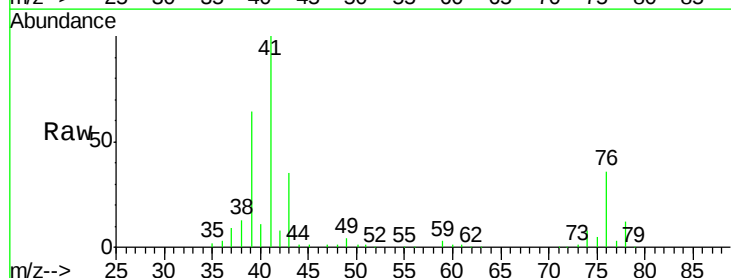
Acq: 20 Sep 2019 14:53

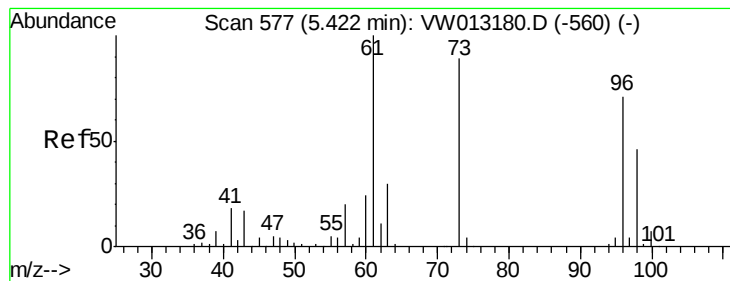
Tgt Ion: 43 Resp: 269352

Ion Ratio Lower Upper

43 100

74 24.0 19.3 28.9





#19

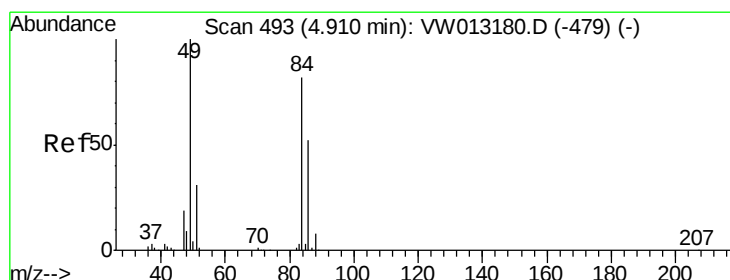
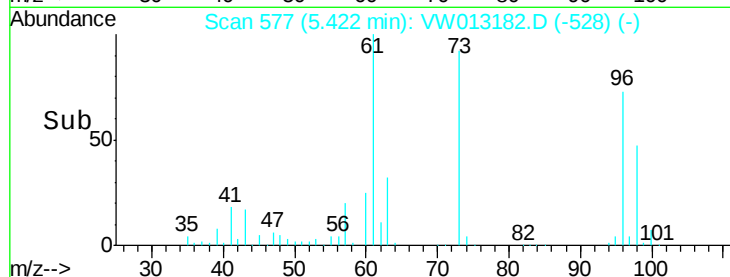
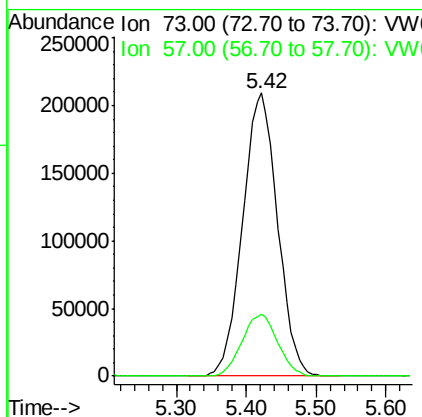
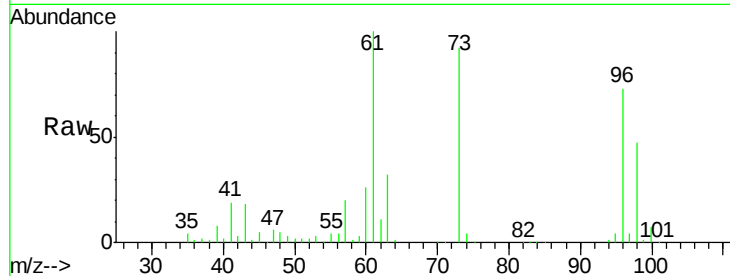
Methyl tert-butyl Ether
 Concen: 140.262 ug/l
 RT: 5.42 min Scan# 577
 Delta R.T. -0.00 min
 Lab File: VW013182.D
 Acq: 20 Sep 2019 14:53

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC150

Tot Ion	Ratio	Lower	Upper
73	100		
57	21.7	17.6	26.4

Manual Integrations
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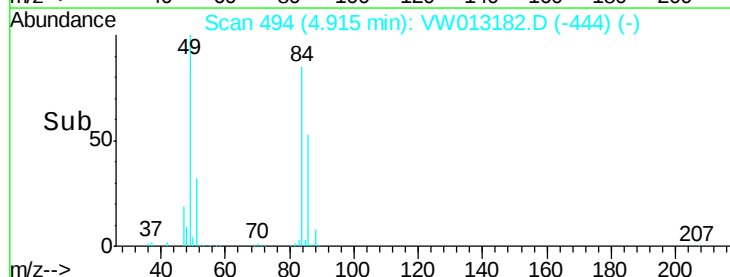
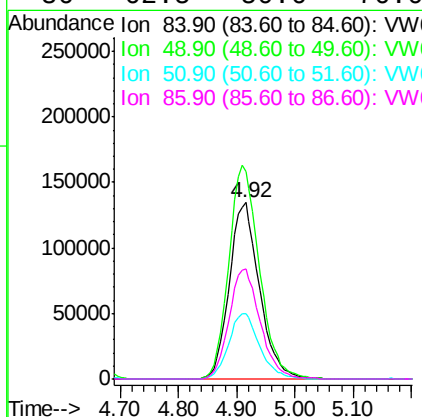
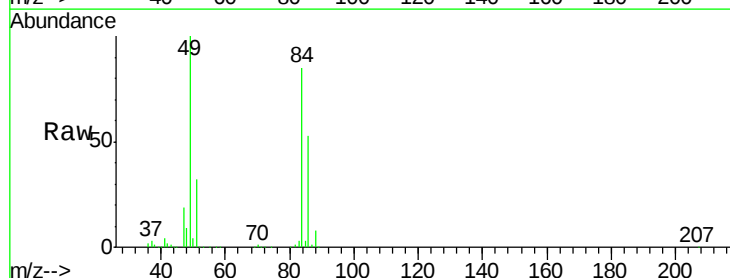
MMDadoda
 9/24/2019 5:28:49 AM

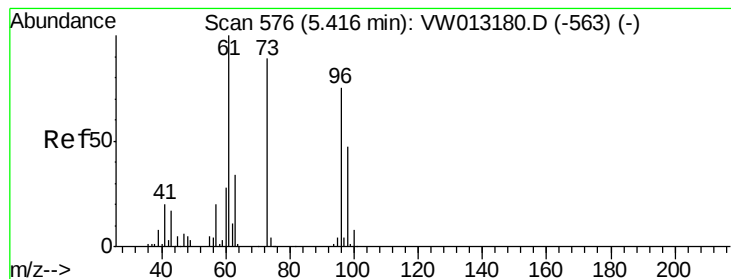


#20

Methylene Chloride
 Concen: 147.636 ug/l
 RT: 4.92 min Scan# 494
 Delta R.T. 0.01 min
 Lab File: VW013182.D
 Acq: 20 Sep 2019 14:53

Tgt Ion	Ratio	Lower	Upper
84	100		
49	117.7	97.6	146.4
51	37.2	30.2	45.2
86	62.5	50.6	76.0





#21

trans-1,2-Dichloroethene

Concen: 141.399 ug/l

RT: 5.42 min Scan# 576

Delta R.T. -0.00 min

Lab File: VW013182.D

Acq: 20 Sep 2019 14:53

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC150

Tot Ion: 96 Resp: 514660

Ion Ratio Lower Upper

96 100

61 144.1 106.6 159.8

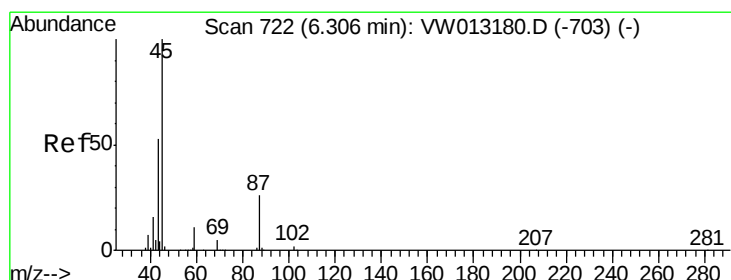
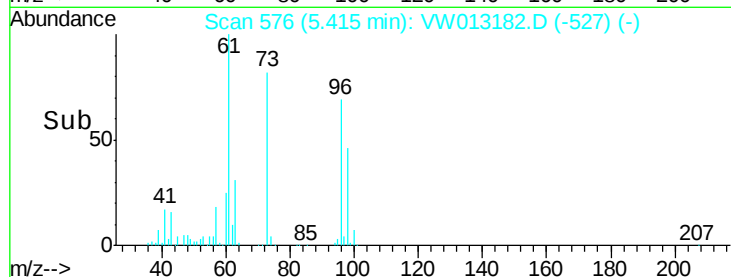
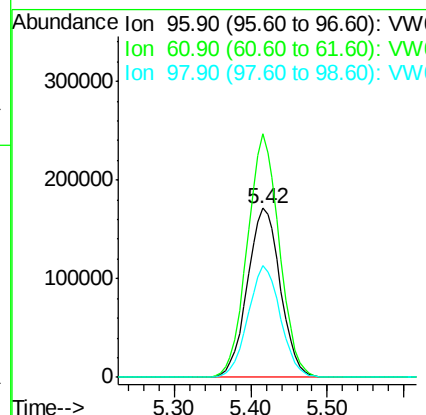
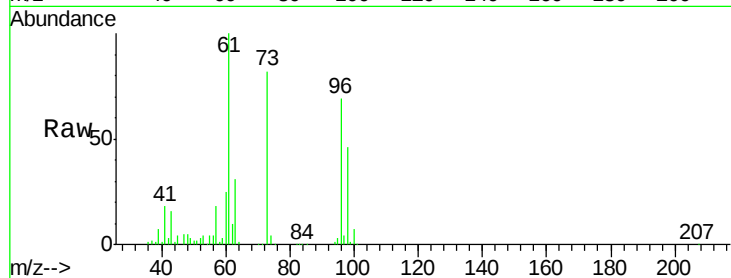
98 66.0 49.8 74.8

Manual Integrations

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#22

Diisopropyl ether

Concen: 144.301 ug/l

RT: 6.31 min Scan# 722

Delta R.T. -0.00 min

Lab File: VW013182.D

Acq: 20 Sep 2019 14:53

Tgt Ion: 45 Resp: 1470667

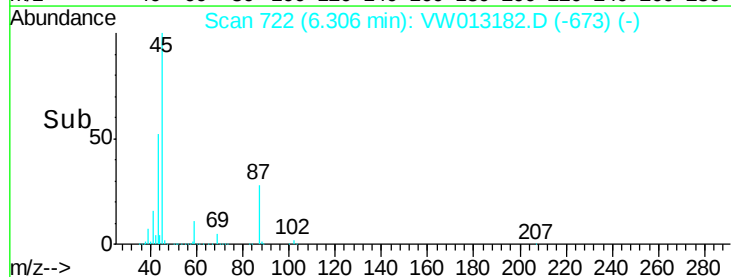
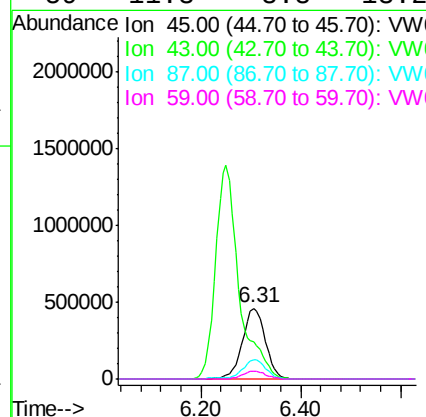
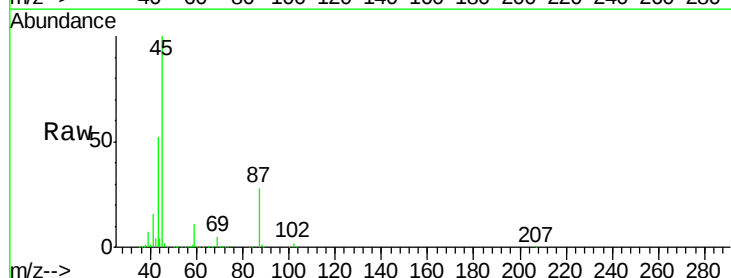
Ion Ratio Lower Upper

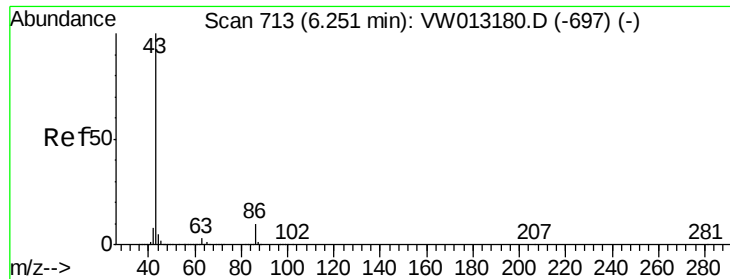
45 100

43 51.9 42.4 63.6

87 27.5 20.4 30.6

59 11.3 8.8 13.2





#23

Vinyl Acetate

Concen: 748.913 ug/l

RT: 6.25 min Scan# 713

Delta R.T. -0.00 min

Lab File: VW013182.D

Acq: 20 Sep 2019 14:53

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC150

Tot Ion: 43 Resp: 4528086

Ion Ratio Lower Upper

43 100

86 10.7

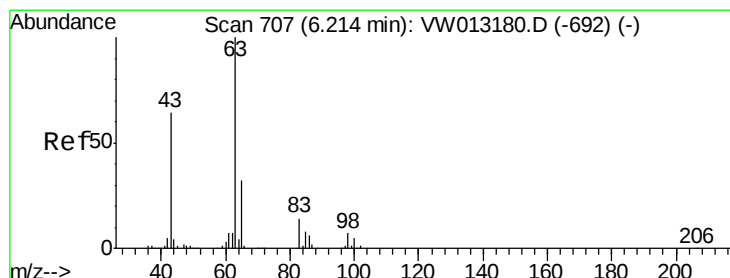
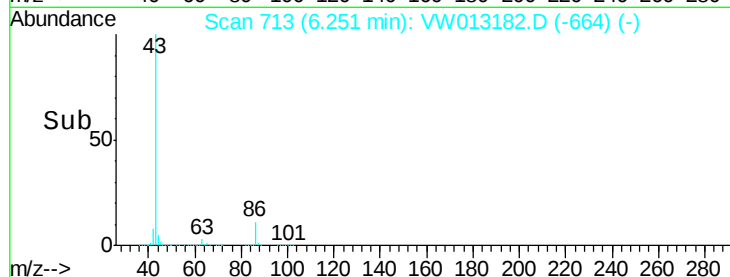
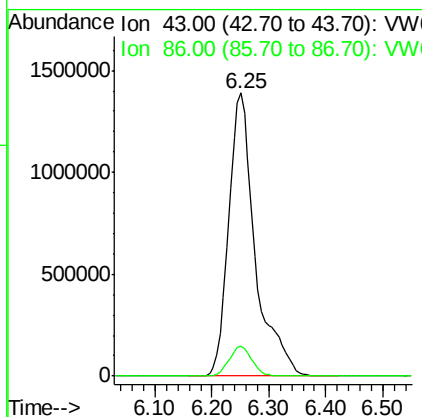
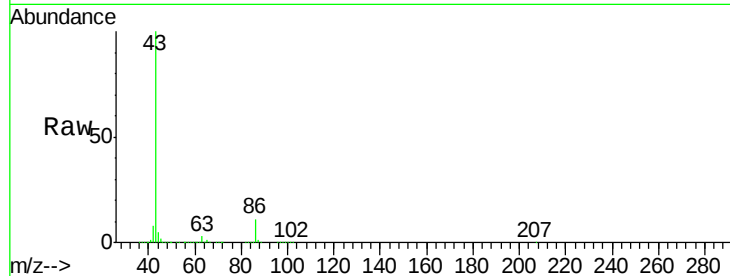
8.3 12.5

Manual Integrations

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#24

1,1-Dichloroethane

Concen: 143.750 ug/l

RT: 6.21 min Scan# 707

Delta R.T. -0.00 min

Lab File: VW013182.D

Acq: 20 Sep 2019 14:53

Tgt Ion: 63 Resp: 884047

Ion Ratio Lower Upper

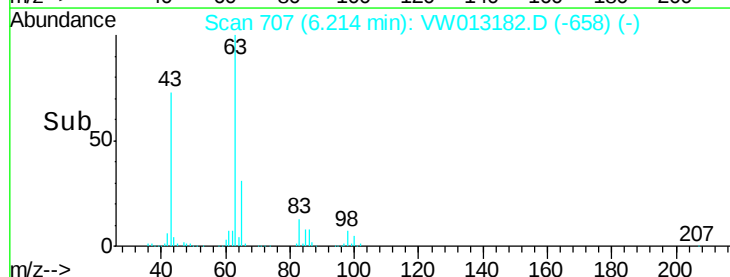
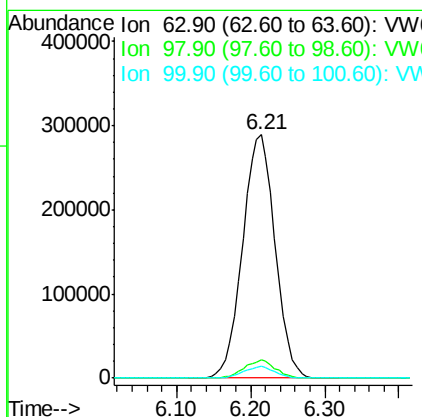
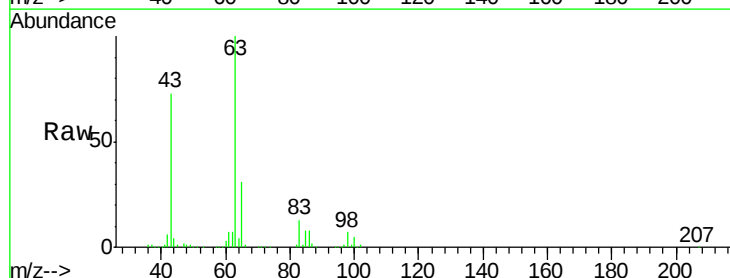
63 100

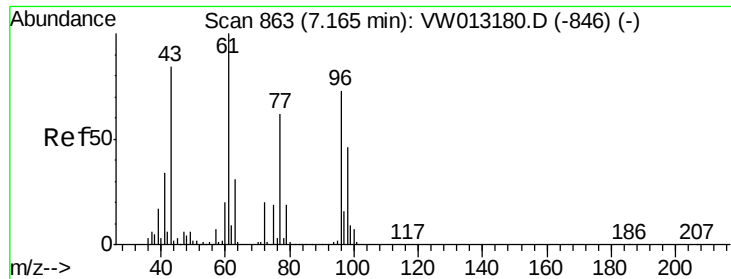
98 7.3

3.5 10.5

100 4.7

2.4 7.1





#25

2-Butanone

Concen: 727.768 ug/l

RT: 7.17 min Scan# 863

Delta R.T. -0.00 min

Lab File: VW013182.D

Acq: 20 Sep 2019 14:53

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC150

Tot Ion: 43 Resp: 728640

Ion Ratio Lower Upper

43 100

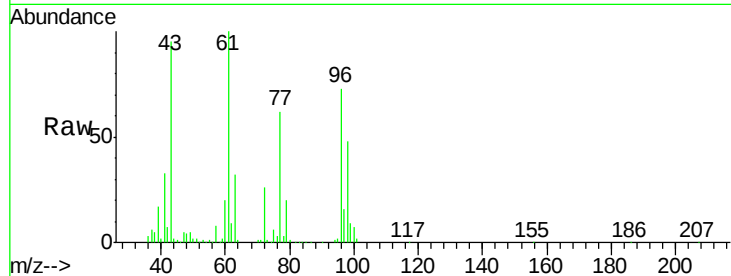
72 26.9 19.4 29.0

Manual Integrations

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Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 72.00 (71.70 to 72.70): VW

7.17

300000

250000

200000

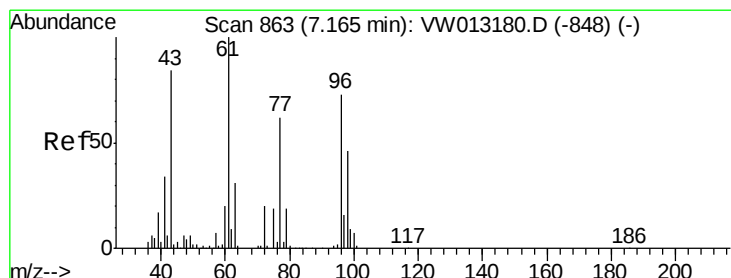
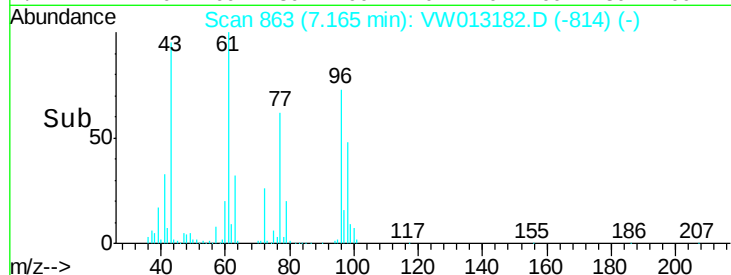
150000

100000

50000

0

Time-->



#26

2,2-Dichloropropane

Concen: 147.410 ug/l

RT: 7.17 min Scan# 863

Delta R.T. 0.00 min

Lab File: VW013182.D

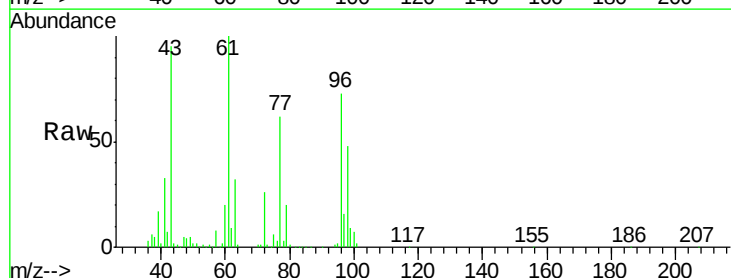
Acq: 20 Sep 2019 14:53

Tgt Ion: 77 Resp: 518534

Ion Ratio Lower Upper

77 100

97 24.5 11.8 35.4



Abundance Ion 76.90 (76.60 to 77.60): VW

Ion 96.90 (96.60 to 97.60): VW

7.17

200000

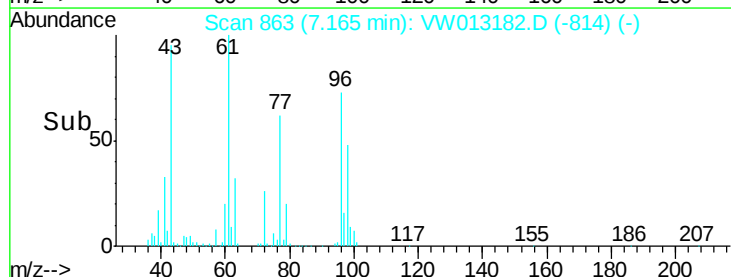
150000

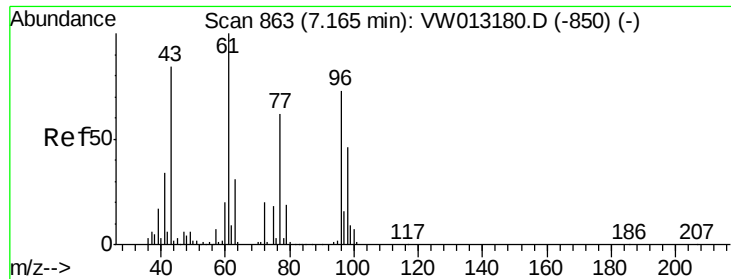
100000

50000

0

Time-->





#27

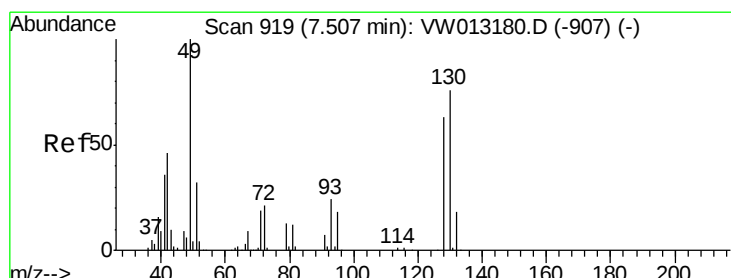
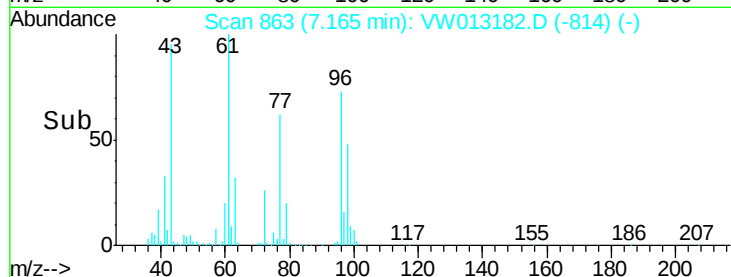
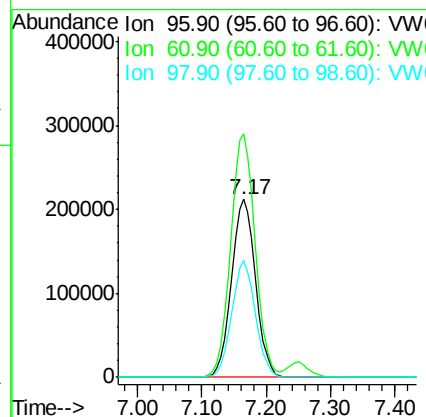
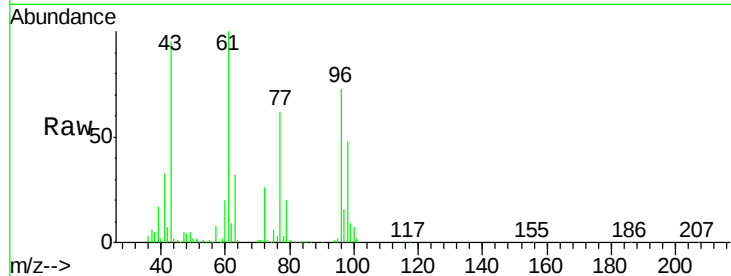
cis-1,2-Dichloroethene
 Concen: 144.903 ug/l
 RT: 7.17 min Scan# 863
 Delta R.T. -0.00 min
 Lab File: VW013182.D
 Acq: 20 Sep 2019 14:53

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC150

Tot Ion	Ratio	Resp	Lower	Upper
96	100			
61	139.6	0.0	282.4	
98	64.5	0.0	128.2	

Manual Integrations
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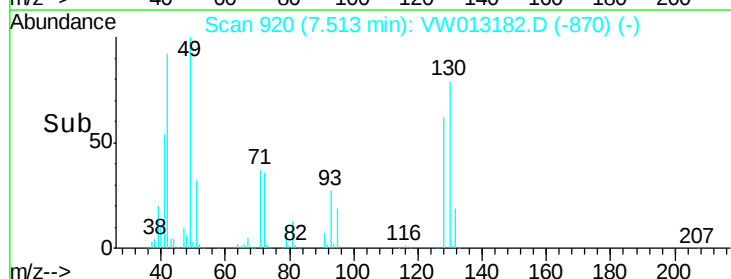
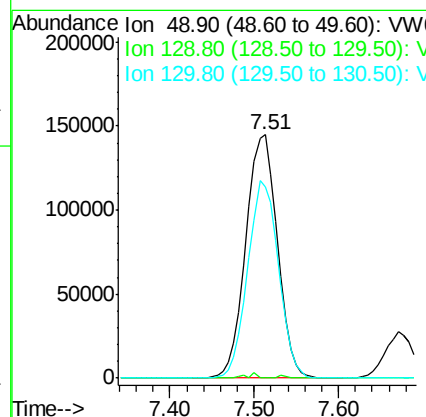
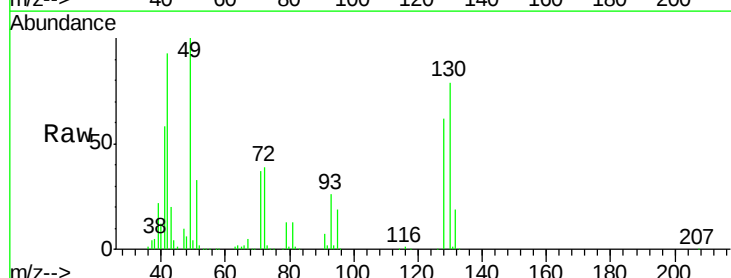
MMDadoda
 9/24/2019 5:28:49 AM

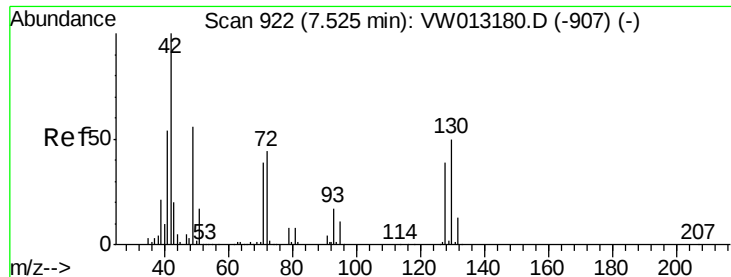


#28

Bromochloromethane
 Concen: 155.653 ug/l
 RT: 7.51 min Scan# 920
 Delta R.T. 0.01 min
 Lab File: VW013182.D
 Acq: 20 Sep 2019 14:53

Tgt Ion	Ratio	Resp	Lower	Upper
49	100			
129	0.0	0.0	1.0	
130	79.2	63.4	95.2	





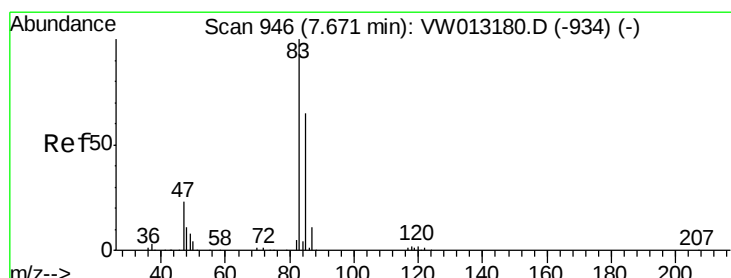
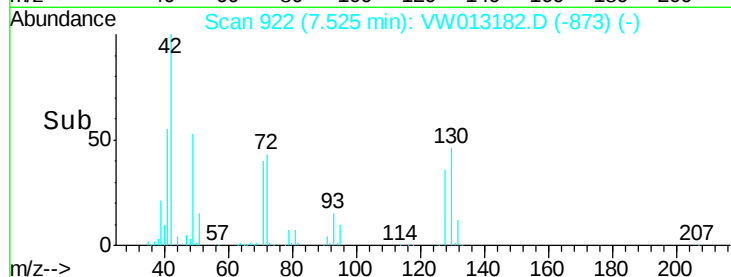
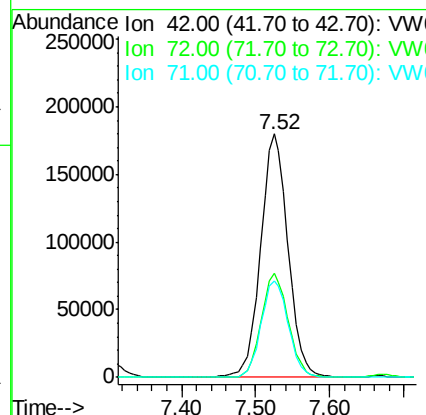
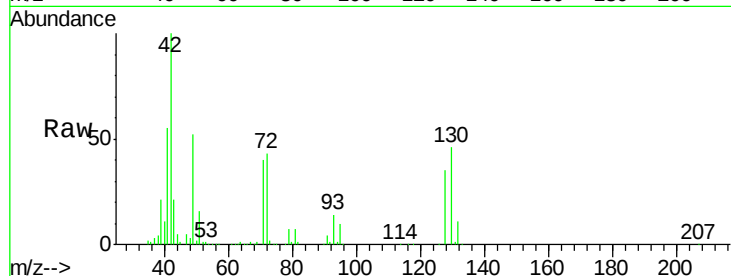
#29
Tetrahydrofuran
Concen: 752.885 ug/l
RT: 7.52 min Scan# 922
Delta R.T. -0.00 min
Lab File: VW013182.D
Acq: 20 Sep 2019 14:53

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC150

Tot Ion	Ratio	Lower	Upper
42	100		
72	42.1	33.9	50.9
71	39.4	31.9	47.9

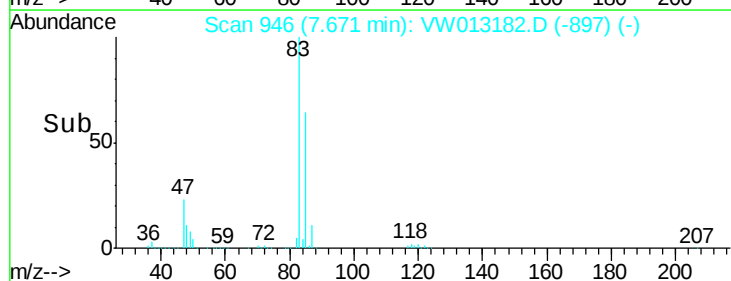
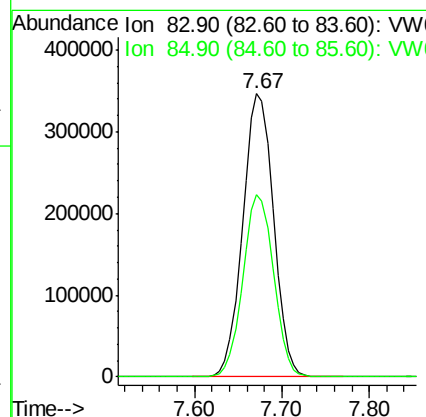
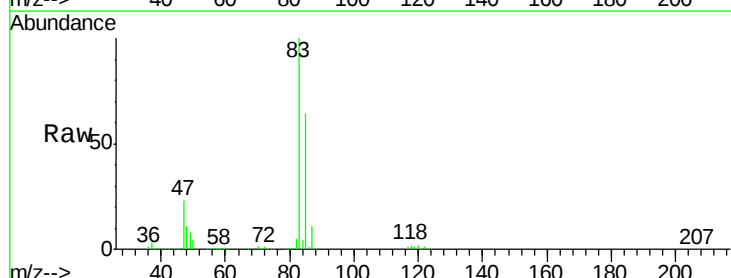
Manual Integrations
APPROVED

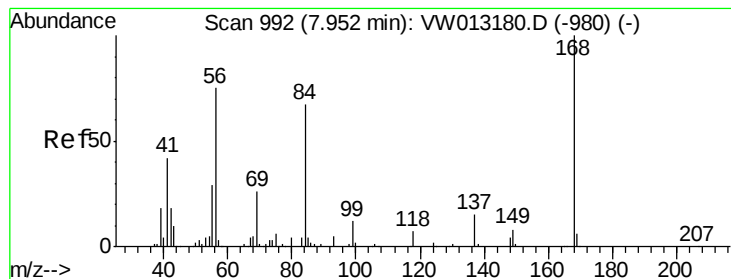
MMDadoda
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#30
Chloroform
Concen: 140.918 ug/l
RT: 7.67 min Scan# 946
Delta R.T. -0.00 min
Lab File: VW013182.D
Acq: 20 Sep 2019 14:53

Tgt Ion	Ratio	Lower	Upper
83	100		
85	64.2	52.3	78.5





#31

Cyclohexane

Concen: 134.949 ug/l

RT: 7.95 min Scan# 992

Delta R.T. -0.00 min

Lab File: VW013182.D

Acq: 20 Sep 2019 14:53

Instrument :

MSVOA_W

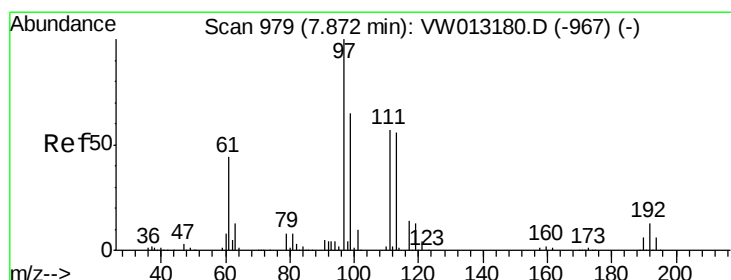
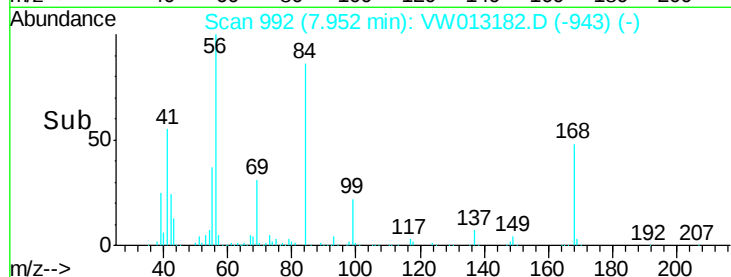
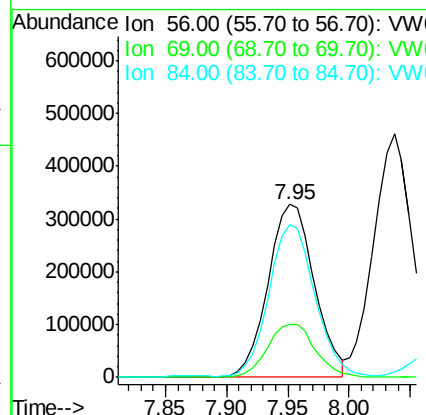
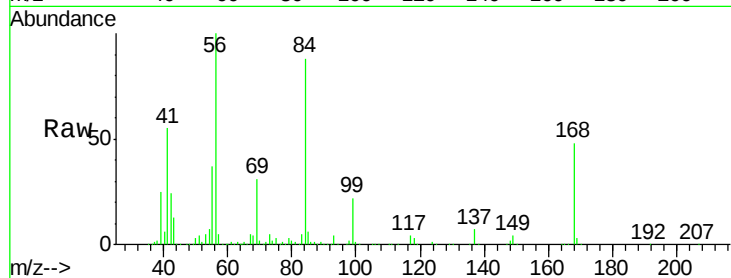
ClientSampleId :

VSTDIC150

Tot Ion:	56	Resp:	865114
Ion	Ratio	Lower	Upper
56	100		
69	30.9	27.2	40.8
84	87.1	70.8	106.2

Manual Integrations
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#32

1,1,1-Trichloroethane

Concen: 142.882 ug/l

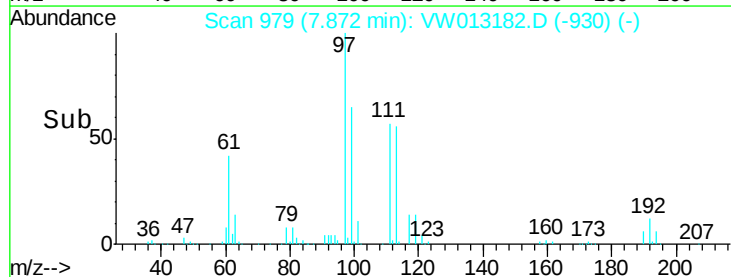
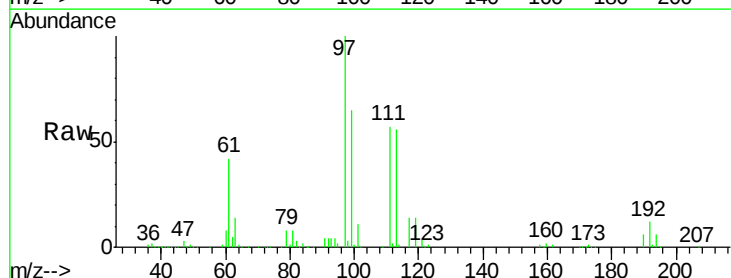
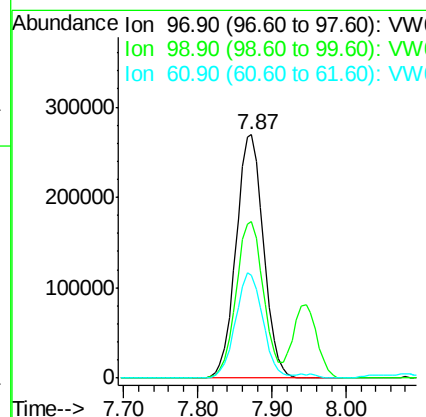
RT: 7.87 min Scan# 979

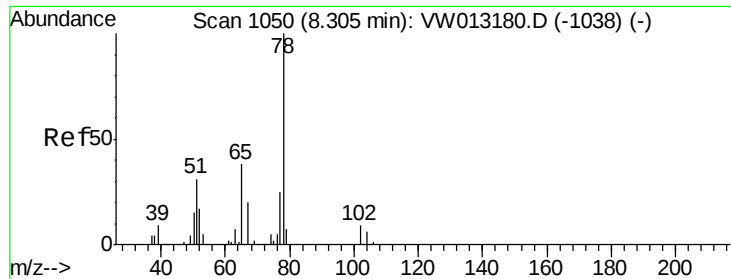
Delta R.T. -0.00 min

Lab File: VW013182.D

Acq: 20 Sep 2019 14:53

Tgt Ion:	97	Resp:	696770
Ion	Ratio	Lower	Upper
97	100		
99	64.0	51.7	77.5
61	42.9	34.6	51.8





#33

1,2-Dichloroethane-d4

Concen: 143.569 ug/l

RT: 8.31 min Scan# 1050

Delta R.T. -0.00 min

Lab File: VW013182.D

Acq: 20 Sep 2019 14:53

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC150

Tot Ion: 65 Resp: 424604

Ion Ratio Lower Upper

65 100

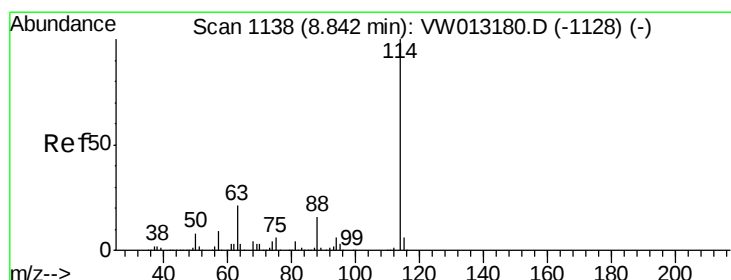
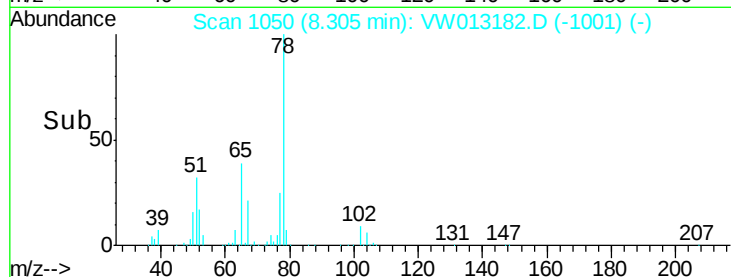
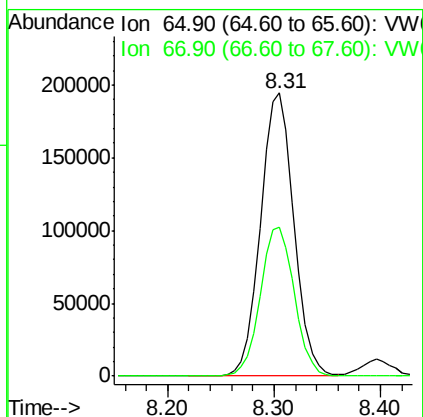
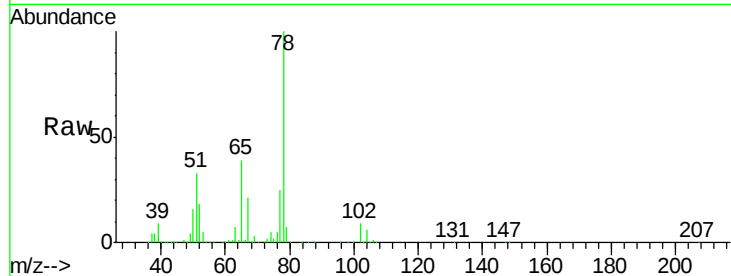
67 53.6 0.0 106.2

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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: VW013182.D

Acq: 20 Sep 2019 14:53

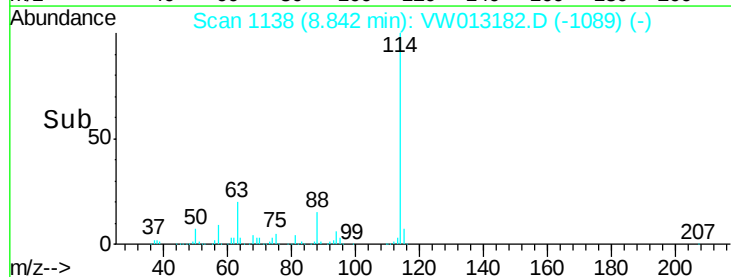
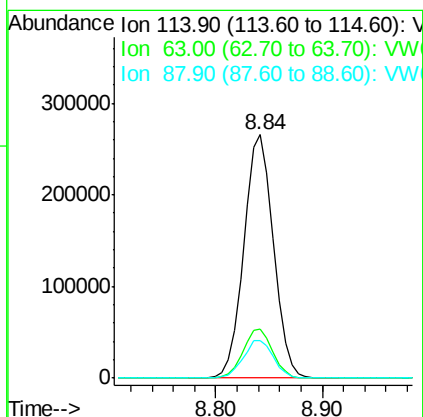
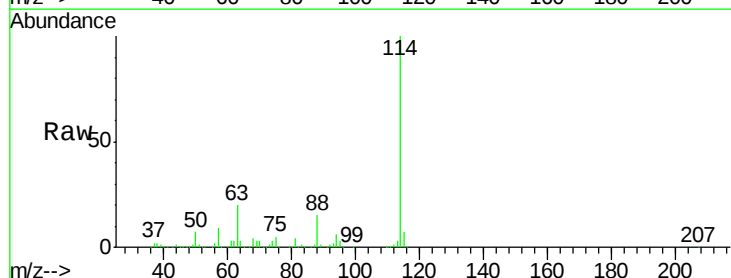
Tgt Ion: 114 Resp: 518740

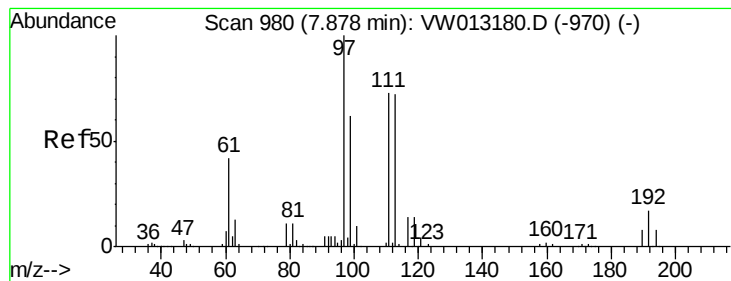
Ion Ratio Lower Upper

114 100

63 20.1 0.0 41.4

88 15.5 0.0 32.0





#35

Dibromofluoromethane

Concen: 147.628 ug/l

RT: 7.88 min Scan# 981

Delta R.T. 0.01 min

Lab File: VW013182.D

Acq: 20 Sep 2019 14:53

Instrument :

MSVOA_W

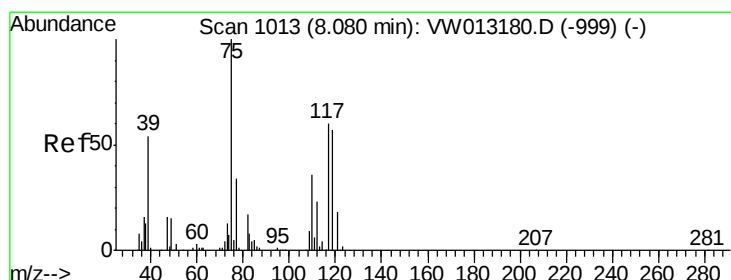
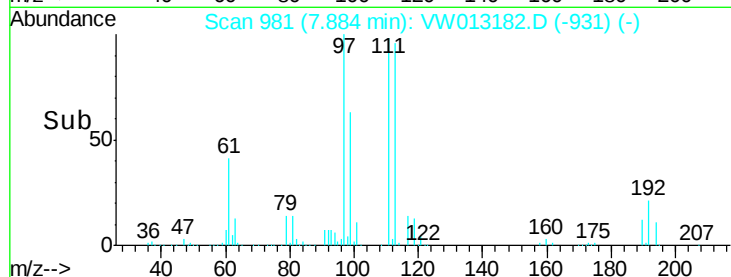
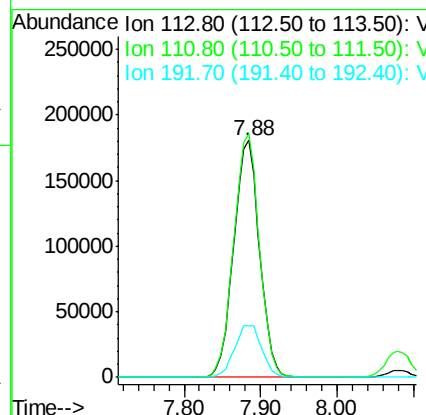
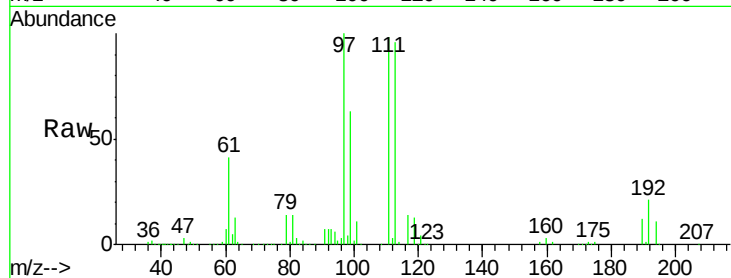
ClientSampleId :

VSTDIC150

Tot Ion:	113	Resp:	421193
Ion Ratio	Lower	Upper	
113	100		
111	102.5	81.9	122.9
192	23.2	19.1	28.7

Manual Integrations
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#36

1,1-Dichloropropene

Concen: 142.664 ug/l

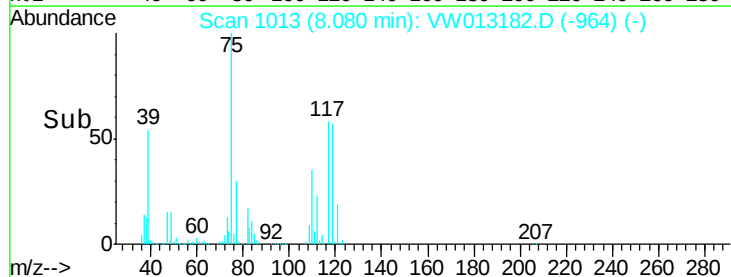
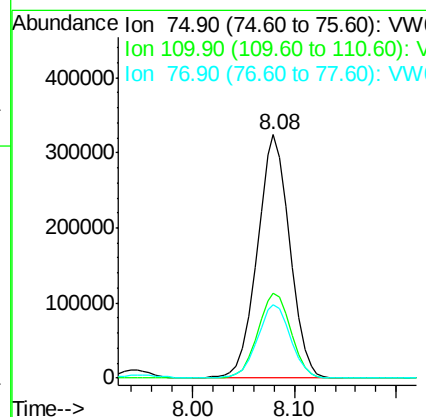
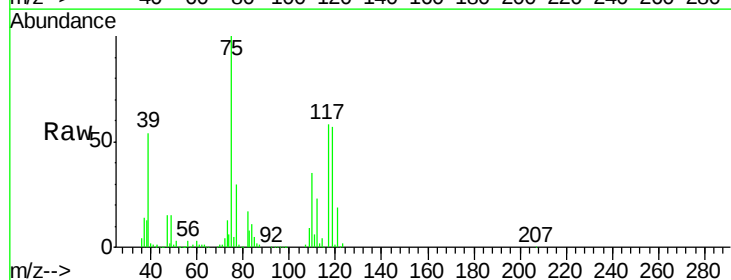
RT: 8.08 min Scan# 1013

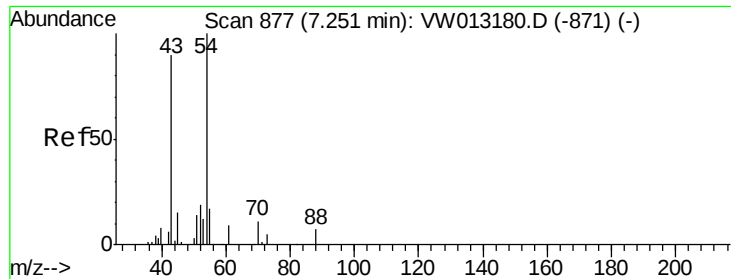
Delta R.T. -0.00 min

Lab File: VW013182.D

Acq: 20 Sep 2019 14:53

Tgt Ion:	75	Resp:	716795
Ion Ratio	Lower	Upper	
75	100		
110	35.7	18.1	54.3
77	31.0	25.8	38.6





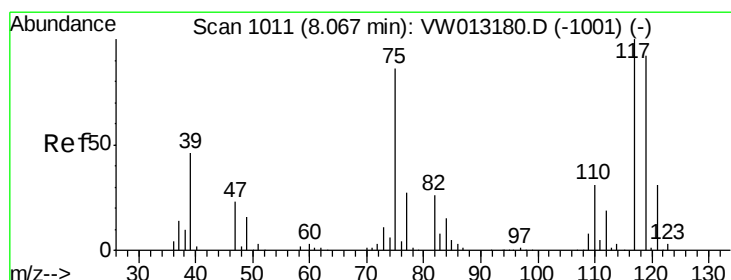
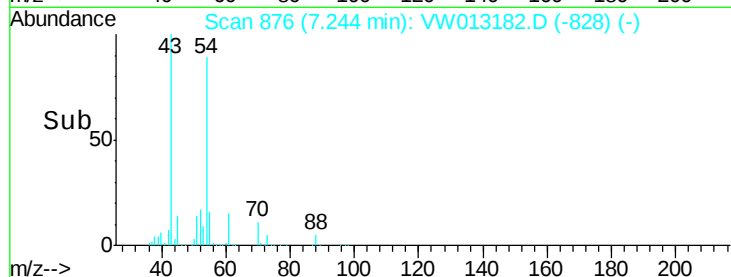
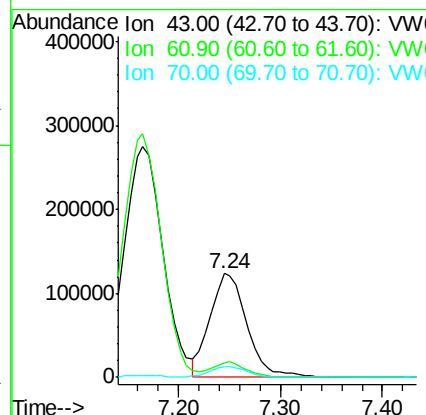
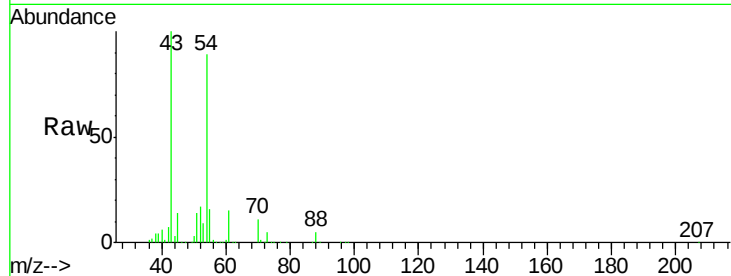
#37
Ethyl Acetate
Concen: 145.319 ug/l
RT: 7.24 min Scan# 876
Delta R.T. -0.01 min
Lab File: VW013182.D
Acq: 20 Sep 2019 14:53

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC150

Tot Ion	Ratio	Lower	Upper
43	100		
61	13.7	10.9	16.3
70	10.4	8.2	12.2

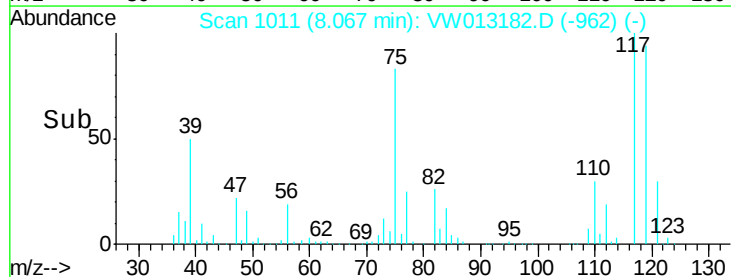
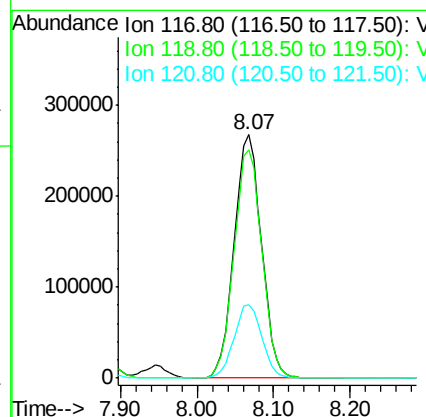
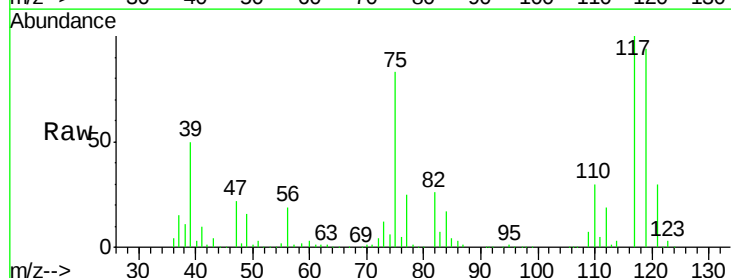
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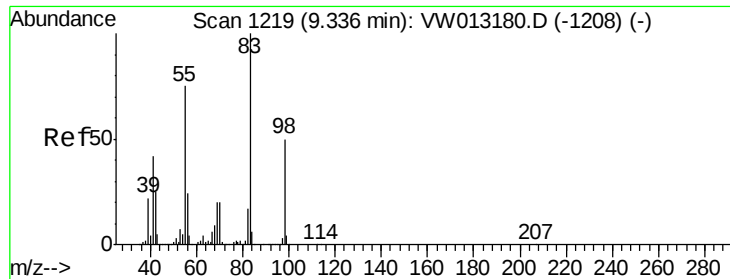
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#38
Carbon Tetrachloride
Concen: 146.787 ug/l
RT: 8.07 min Scan# 1011
Delta R.T. -0.00 min
Lab File: VW013182.D
Acq: 20 Sep 2019 14:53

Tgt Ion	Ratio	Lower	Upper
117	100		
119	93.7	73.5	110.3
121	30.2	25.0	37.6





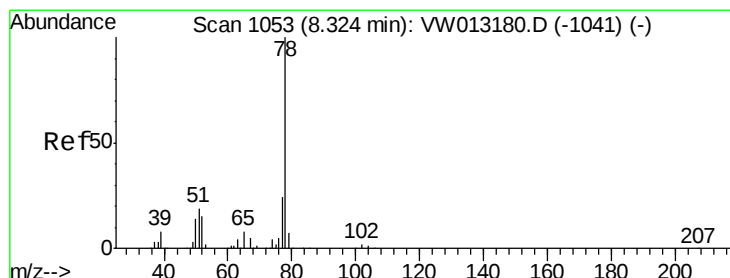
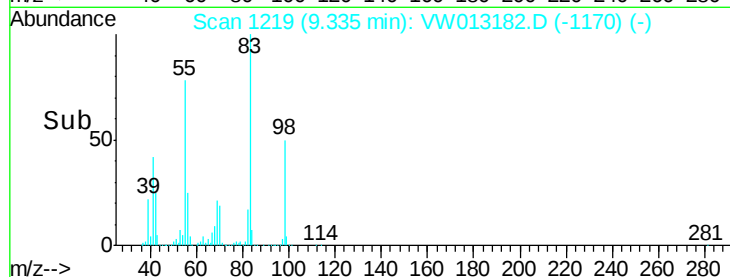
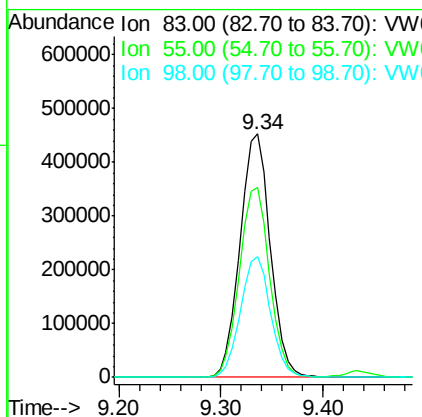
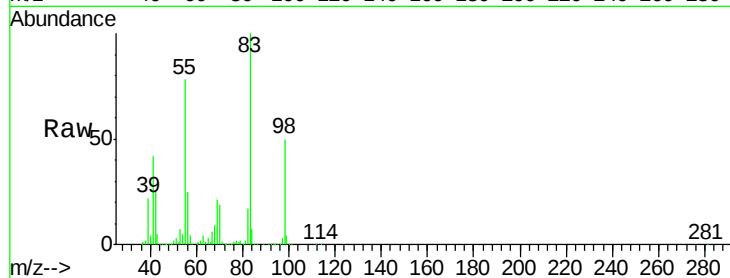
#39
Methvlcvclohexane
Concen: 145.185 ug/l
RT: 9.34 min Scan# 1219
Delta R.T. -0.00 min
Lab File: VW013182.D
Acq: 20 Sep 2019 14:53

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC150

Tot Ion	Ratio	Lower	Upper
83	100		
55	77.9	60.4	90.6
98	49.6	40.0	60.0

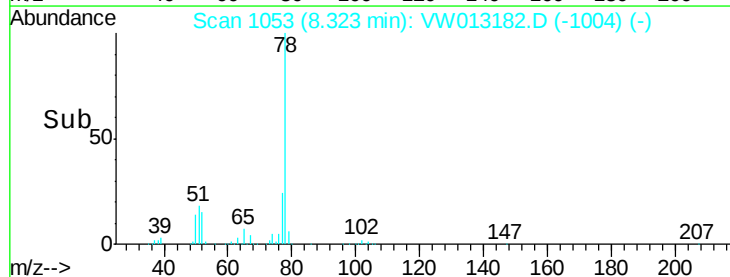
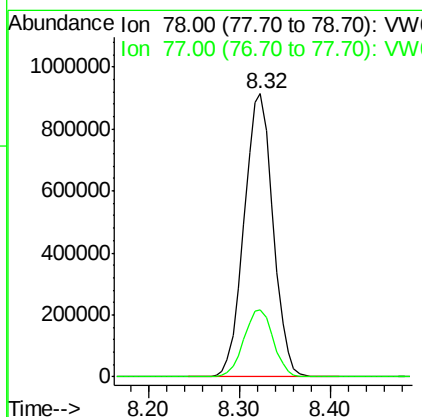
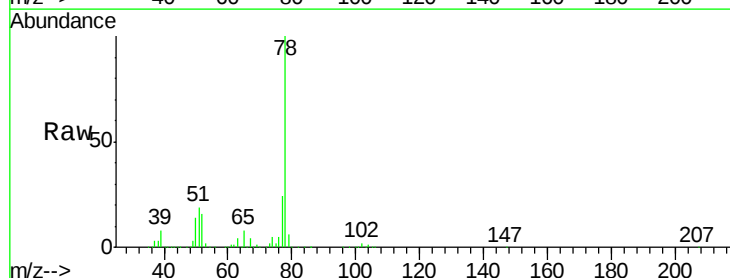
Manual Integrations
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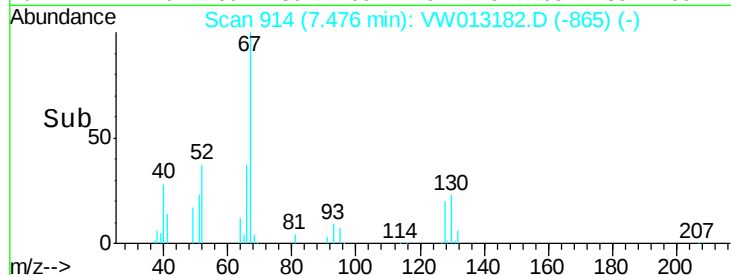
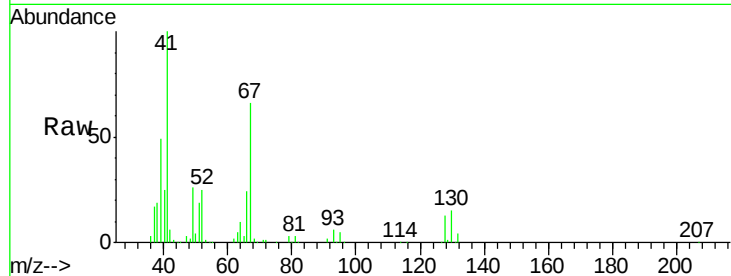
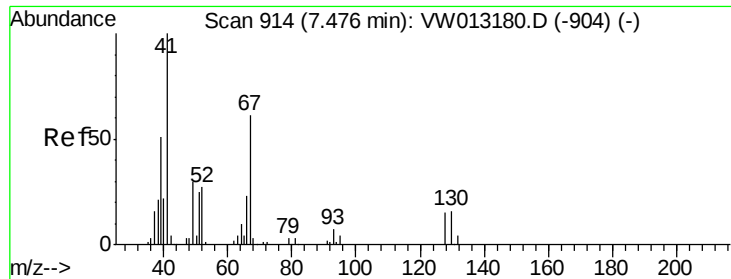
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#40
Benzene
Concen: 143.760 ug/l
RT: 8.32 min Scan# 1053
Delta R.T. -0.00 min
Lab File: VW013182.D
Acq: 20 Sep 2019 14:53

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.7	19.1	28.7





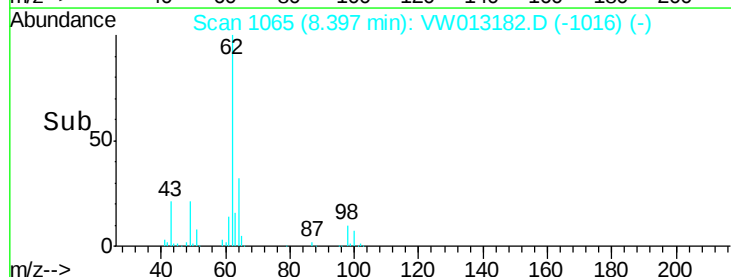
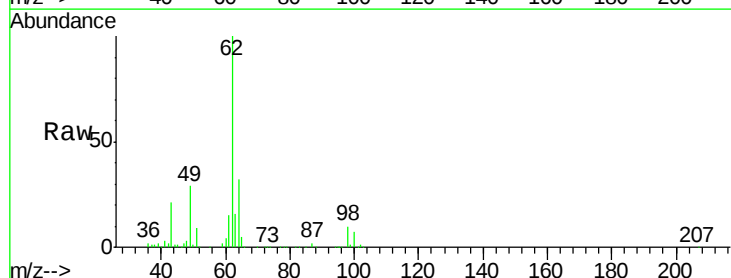
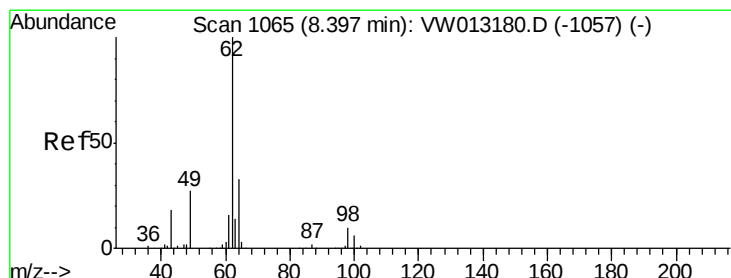
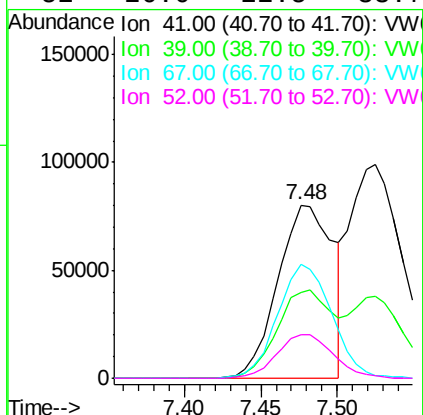
#41
Methacrylonitrile
Concen: 158.155 ug/l
RT: 7.48 min Scan# 914
Delta R.T. -0.00 min
Lab File: VW013182.D
Acq: 20 Sep 2019 14:53

Tot Ion	41	Resp	201561
Ion Ratio	Lower	Upper	
41	100		
39	50.6	45.9	68.9
67	64.7	54.5	81.7
52	26.0	22.5	33.7

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC150

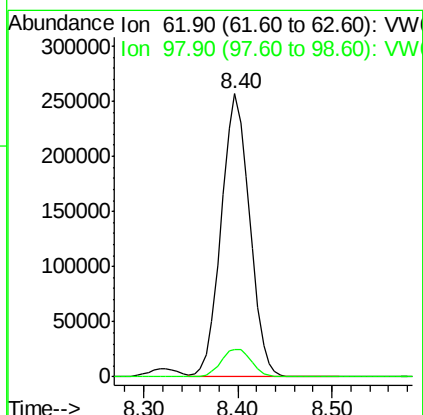
Manual Integrations
APPROVED

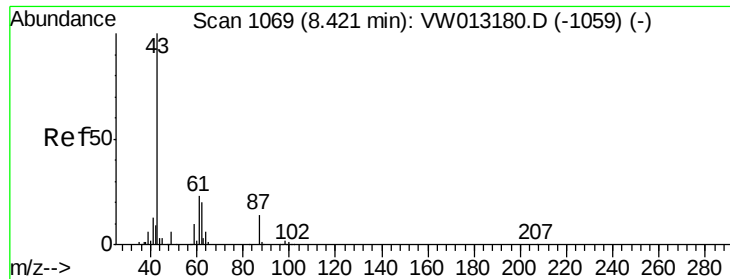
MMDadoda
9/24/2019 5:28:49 AM



#42
1,2-Dichloroethane
Concen: 142.883 ug/l
RT: 8.40 min Scan# 1065
Delta R.T. -0.00 min
Lab File: VW013182.D
Acq: 20 Sep 2019 14:53

Tgt Ion	62	Resp	538293
Ion Ratio	Lower	Upper	
62	100		
98	10.5	0.0	20.6





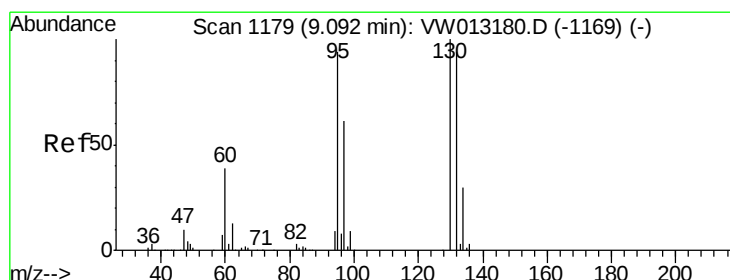
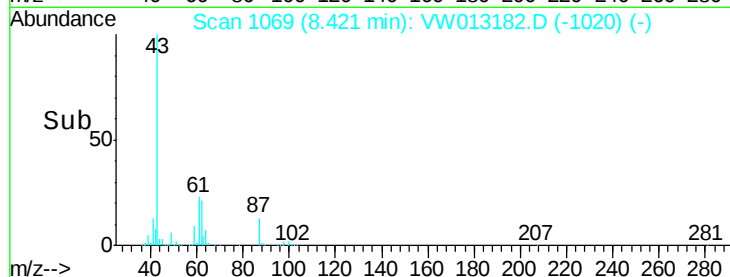
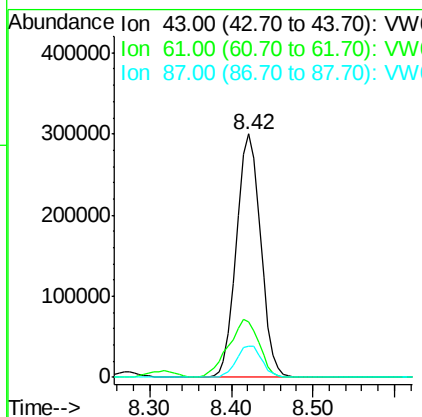
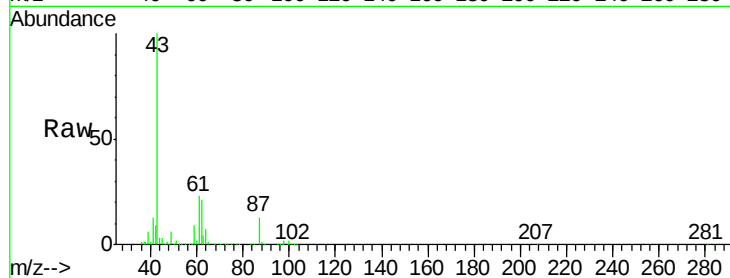
#43
Isopropyl Acetate
Concen: 149.719 ug/l
RT: 8.42 min Scan# 1069
Delta R.T. -0.00 min
Lab File: VW013182.D
Acq: 20 Sep 2019 14:53

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC150

Tot Ion	Ratio	Lower	Upper
43	100		
61	30.4	25.5	38.3
87	13.5	11.0	16.4

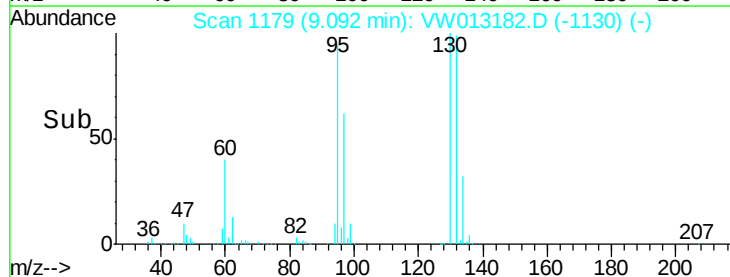
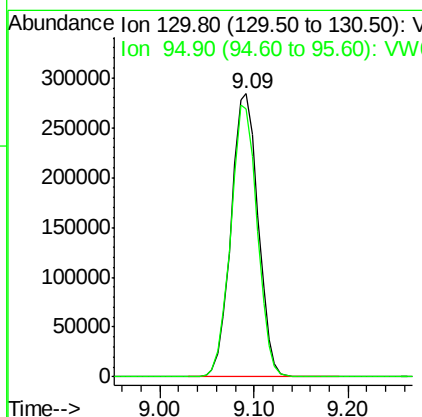
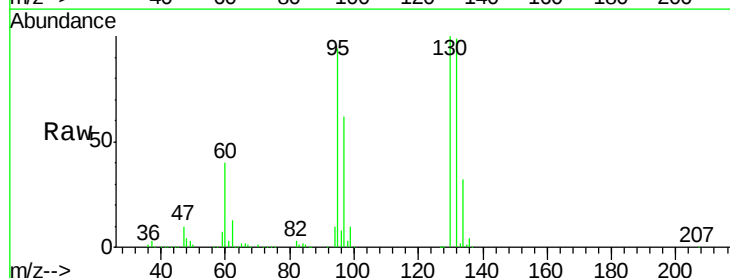
Manual Integrations
APPROVED

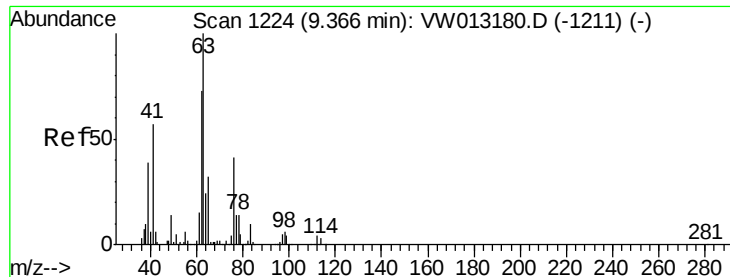
MMDadoda
9/24/2019 5:28:49 AM



#44
Trichloroethene
Concen: 144.073 ug/l
RT: 9.09 min Scan# 1179
Delta R.T. -0.00 min
Lab File: VW013182.D
Acq: 20 Sep 2019 14:53

Tgt Ion	Ratio	Lower	Upper
130	100		
95	94.5	0.0	188.0





#45

1,2-Dichloropropane

Concen: 145.117 ug/l

RT: 9.37 min Scan# 1224

Delta R.T. -0.00 min

Lab File: VW013182.D

Acq: 20 Sep 2019 14:53

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC150

Tot Ion: 63 Resp: 496521

Ion Ratio Lower Upper

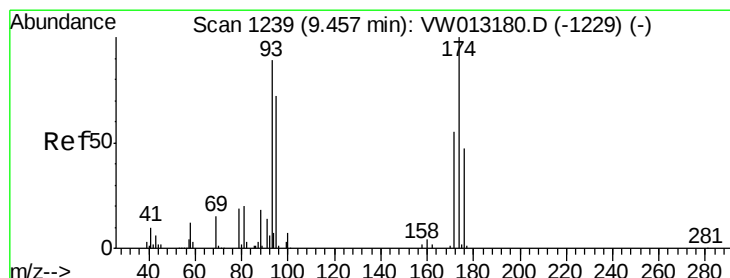
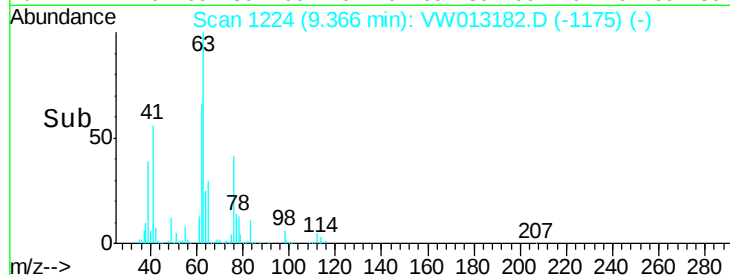
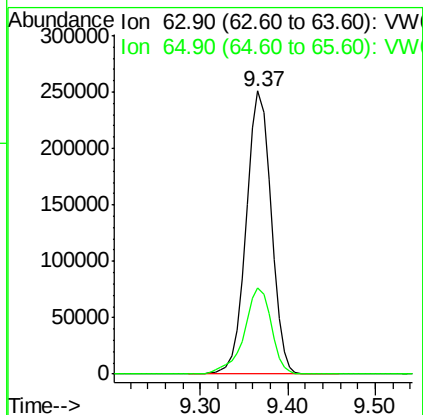
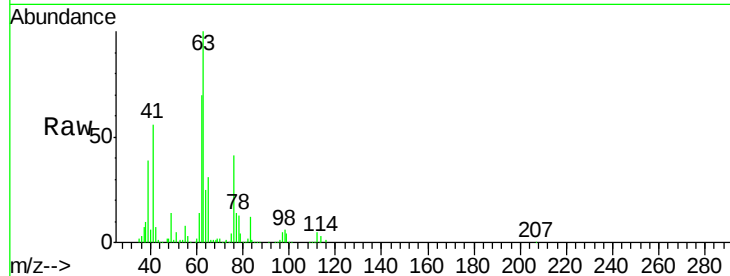
63 100

65 30.6 25.3 37.9

Manual Integrations
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#46

Dibromomethane

Concen: 144.779 ug/l

RT: 9.46 min Scan# 1239

Delta R.T. -0.00 min

Lab File: VW013182.D

Acq: 20 Sep 2019 14:53

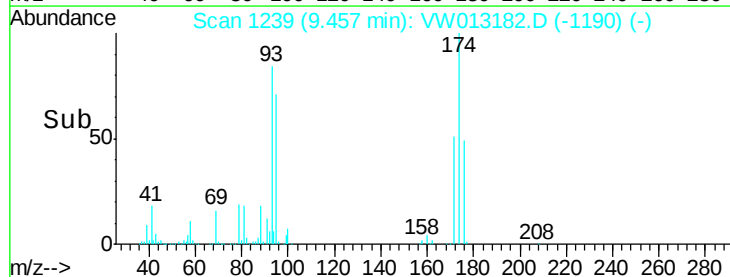
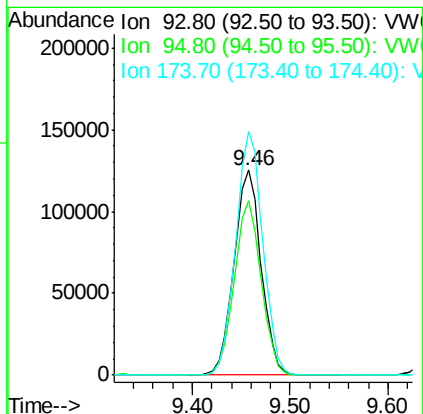
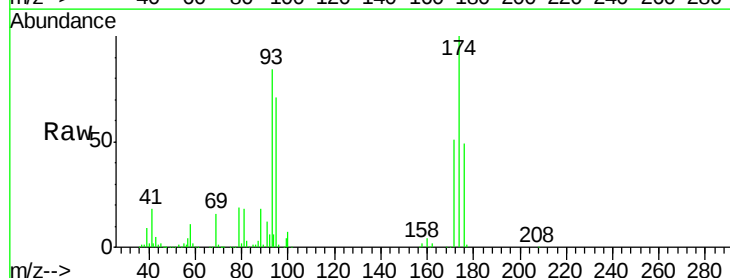
Tgt Ion: 93 Resp: 240497

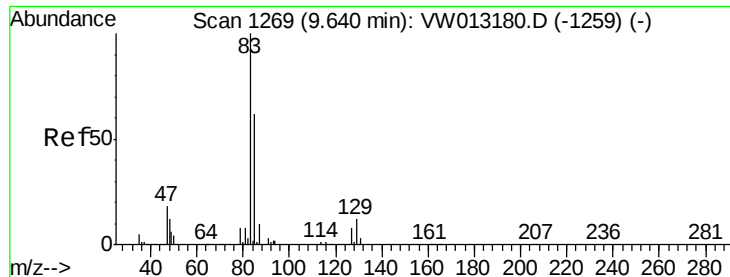
Ion Ratio Lower Upper

93 100

95 84.6 66.4 99.6

174 119.2 93.0 139.6





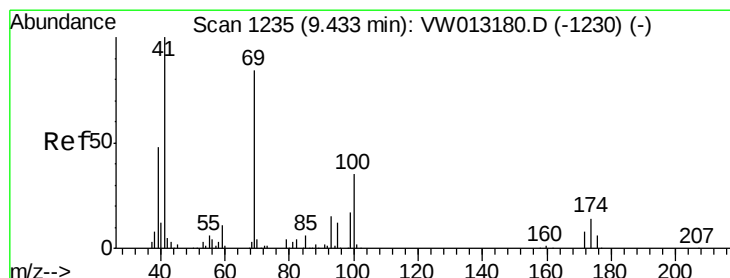
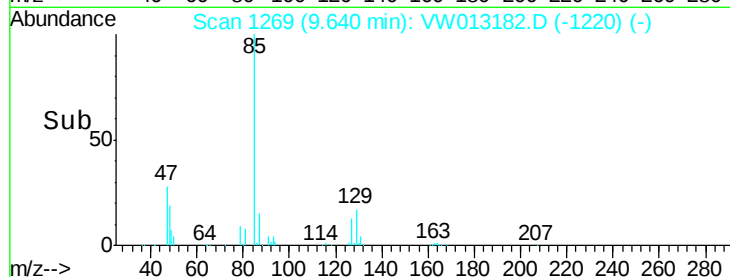
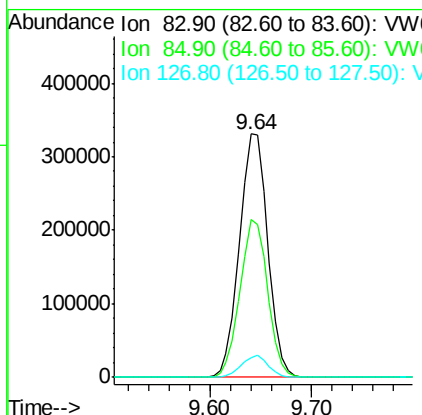
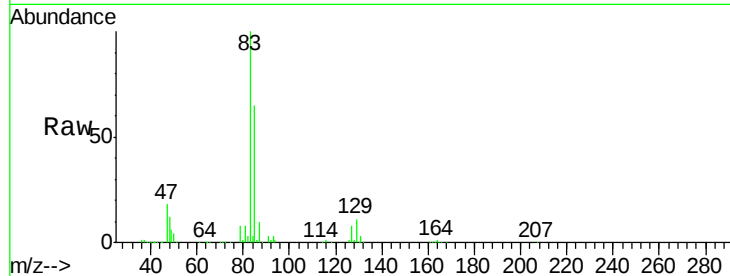
#47
Bromodichloromethane
Concen: 150.635 ug/l
RT: 9.64 min Scan# 1269
Delta R.T. -0.00 min
Lab File: VW013182.D
Acq: 20 Sep 2019 14:53

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC150

Tot Ion	Ratio	Resp	Lower	Upper
83	100	636710		
85	65.0		49.4	74.2
127	8.3		6.5	9.7

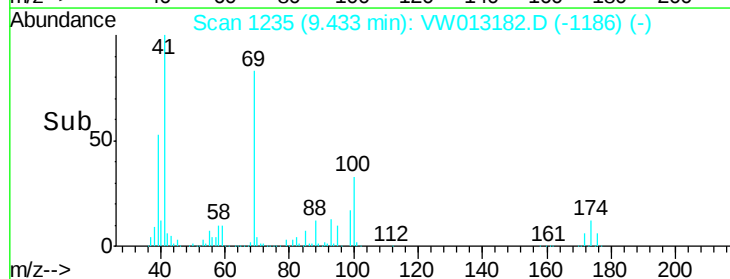
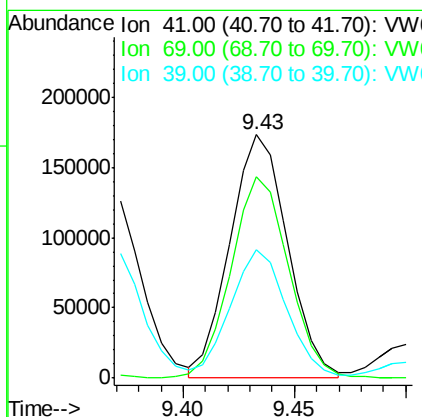
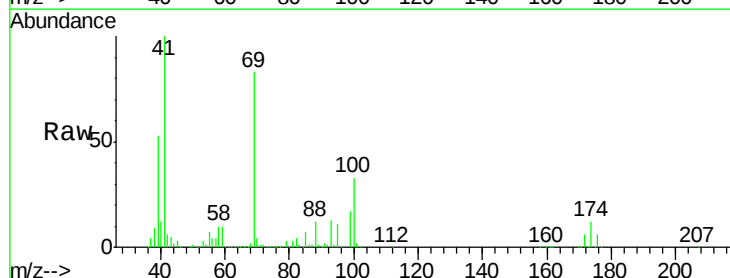
Manual Integrations
APPROVED

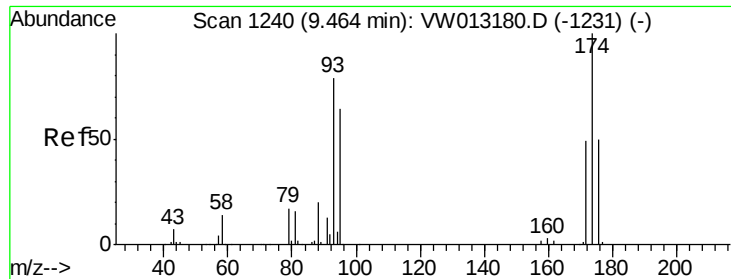
MMDadoda
9/24/2019 5:28:49 AM



#48
Methyl methacrylate
Concen: 161.586 ug/l
RT: 9.43 min Scan# 1235
Delta R.T. -0.00 min
Lab File: VW013182.D
Acq: 20 Sep 2019 14:53

Tgt Ion	Ratio	Resp	Lower	Upper
41	100	310963		
69	83.6		69.7	104.5
39	49.6		41.1	61.7





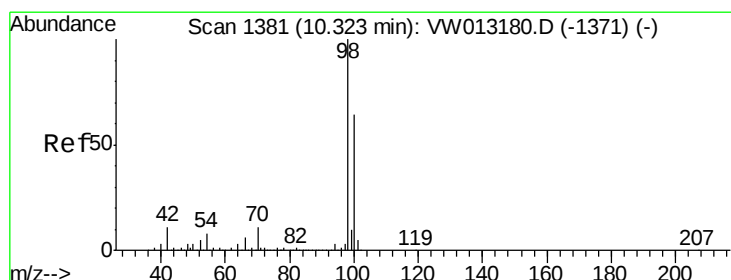
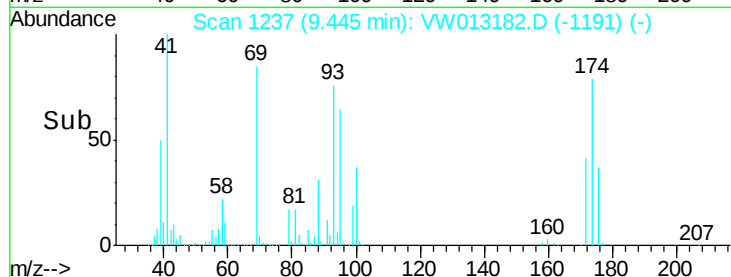
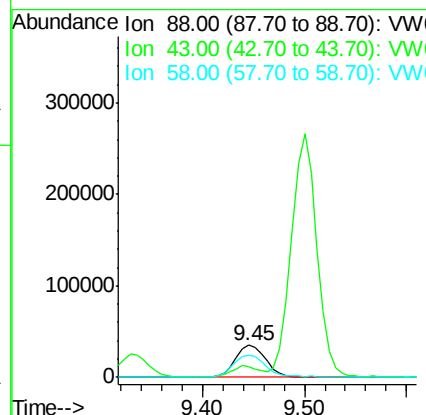
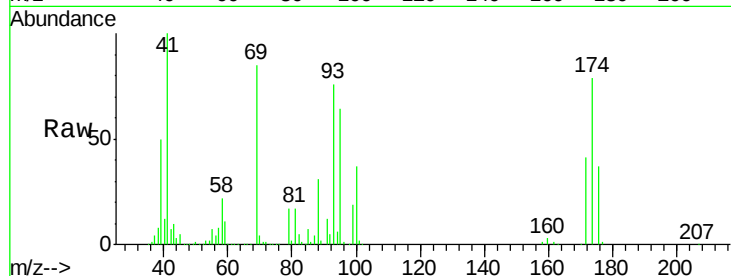
#49
1,4-Dioxane
Concen: 2922.507 ug/l
RT: 9.45 min Scan# 1237
Delta R.T. -0.02 min
Lab File: VW013182.D
Acq: 20 Sep 2019 14:53

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC150

Tot Ion	88	Resp	72872
Ion	Ratio	Lower	Upper
88	100		
43	33.4	0.0	0.0#
58	74.8	65.4	98.0

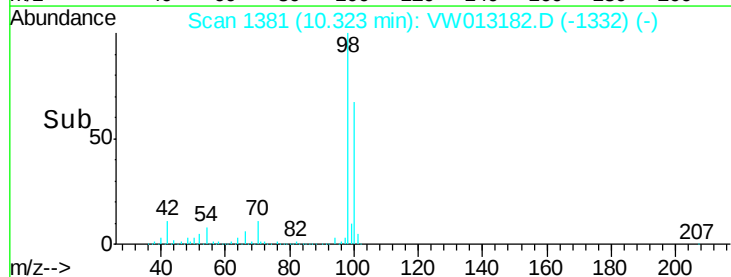
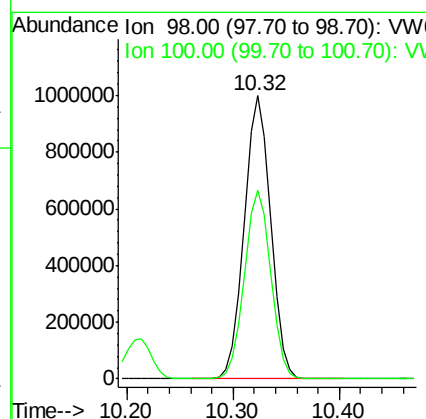
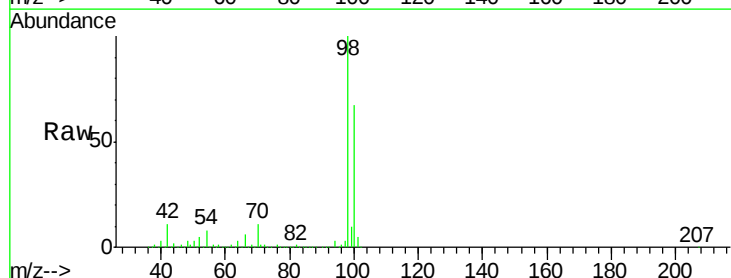
Manual Integrations
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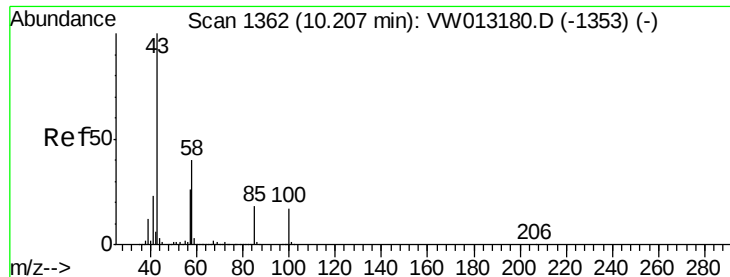
MMDadoda
9/24/2019 5:28:49 AM



#50
Toluene-d8
Concen: 146.029 ug/l
RT: 10.32 min Scan# 1381
Delta R.T. -0.00 min
Lab File: VW013182.D
Acq: 20 Sep 2019 14:53

Tgt Ion	98	Resp	1743654
Ion	Ratio	Lower	Upper
98	100		
100	66.5	52.9	79.3





#51

4-Methyl-2-Pentanone

Concen: 747.477 ug/l

RT: 10.21 min Scan# 1362

Delta R.T. -0.00 min

Lab File: VW013182.D

Acq: 20 Sep 2019 14:53

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC150

Tot Ion: 43 Resp: 1533608

Ion Ratio Lower Upper

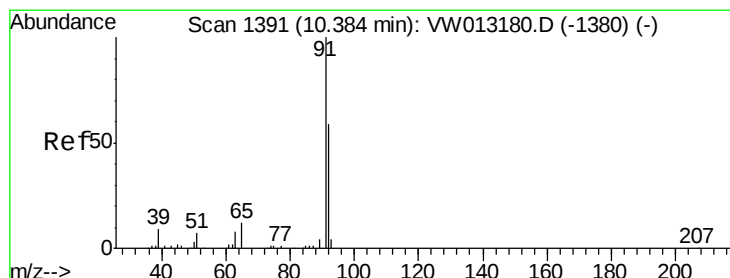
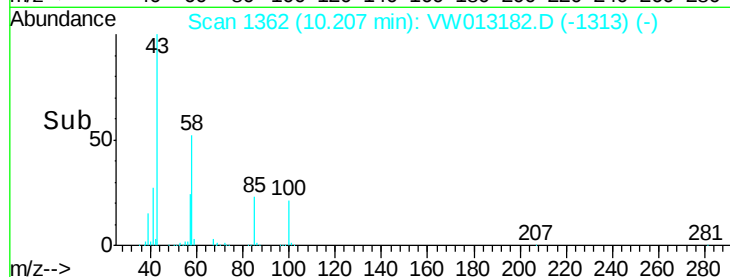
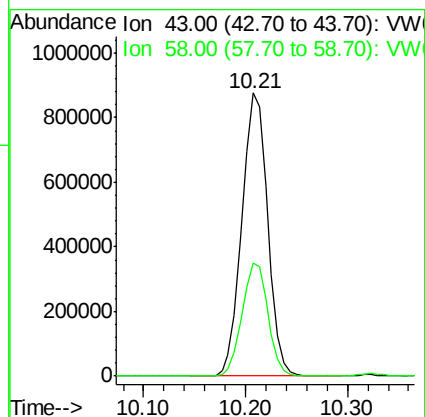
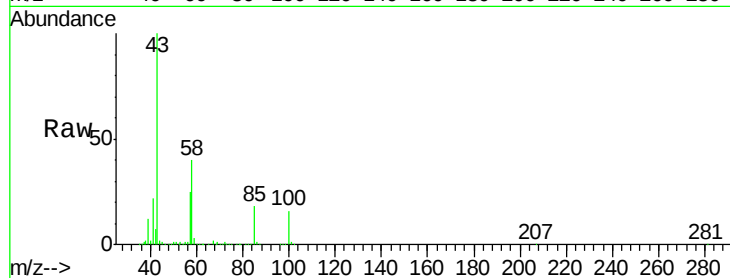
43 100

58 40.1 31.7 47.5

Manual Integrations
APPROVED

MMDadoda

9/24/2019 5:28:49 AM



#52

Toluene

Concen: 145.263 ug/l

RT: 10.38 min Scan# 1391

Delta R.T. -0.00 min

Lab File: VW013182.D

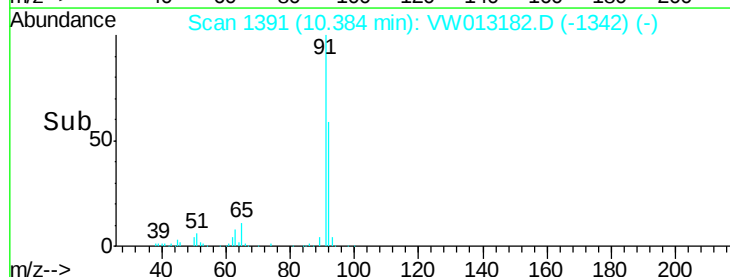
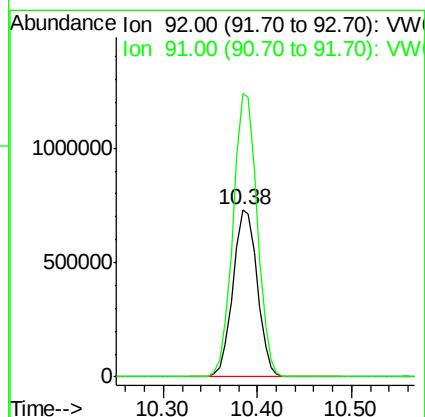
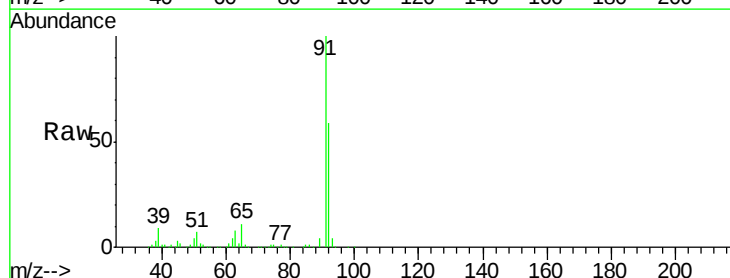
Acq: 20 Sep 2019 14:53

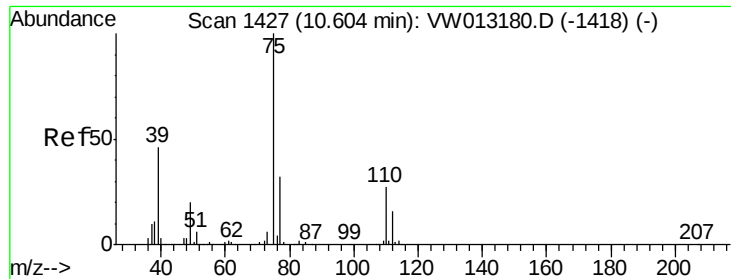
Tgt Ion: 92 Resp: 1304717

Ion Ratio Lower Upper

92 100

91 168.7 135.7 203.5





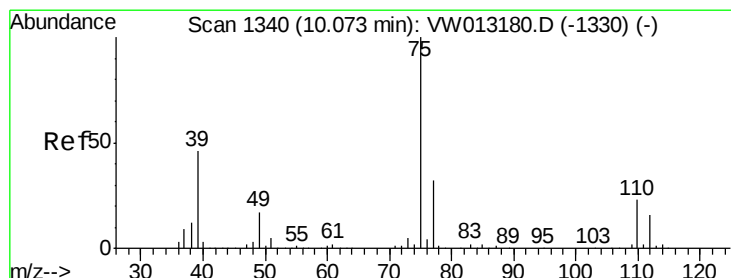
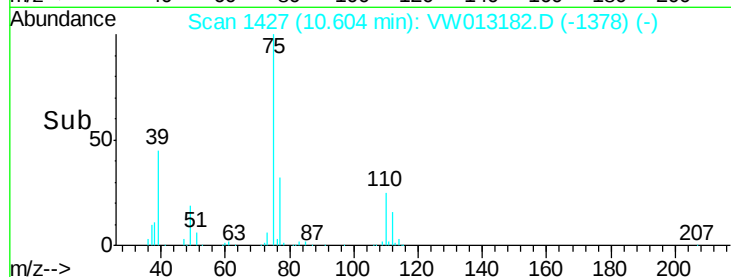
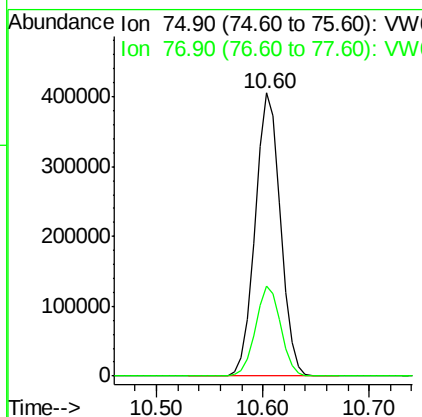
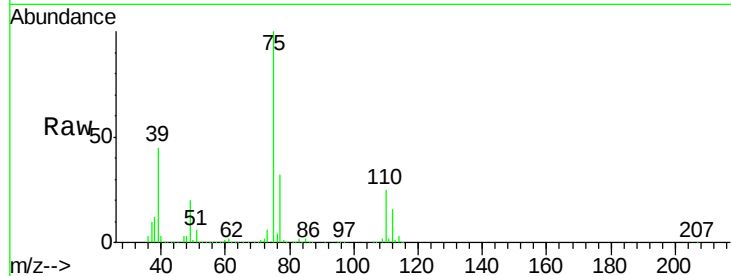
#53
 t-1,3-Dichloropropene
 Concen: 155.473 ug/l
 RT: 10.60 min Scan# 1427
 Delta R.T. -0.00 min
 Lab File: VW013182.D
 Acq: 20 Sep 2019 14:53

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC150

Tot Ion	Ratio	Lower	Upper
75	100		
77	31.9	25.5	38.3

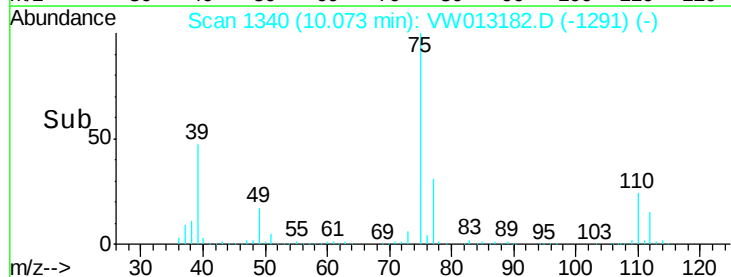
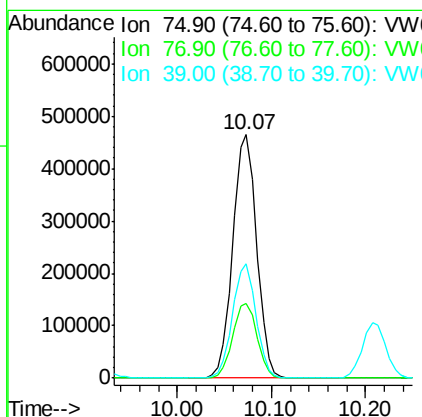
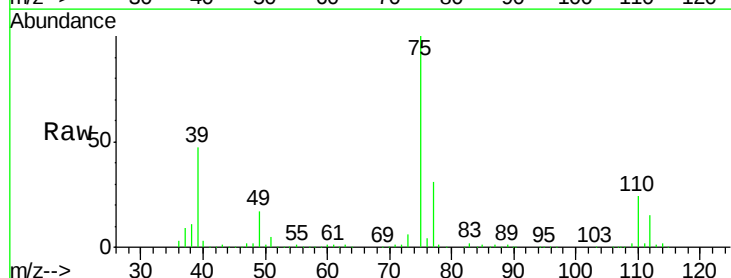
Manual Integrations
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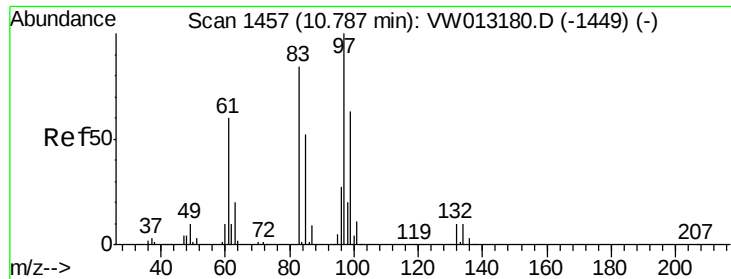
MMDadoda
 9/24/2019 5:28:49 AM



#54
 cis-1,3-Dichloropropene
 Concen: 154.959 ug/l
 RT: 10.07 min Scan# 1340
 Delta R.T. -0.00 min
 Lab File: VW013182.D
 Acq: 20 Sep 2019 14:53

Tgt Ion	Ratio	Lower	Upper
75	100		
77	30.7	25.2	37.8
39	46.7	36.6	55.0





#55

1,1,2-Trichloroethane

Concen: 146.059 ug/l

RT: 10.79 min Scan# 1457

Delta R.T. -0.00 min

Lab File: VW013182.D

Acq: 20 Sep 2019 14:53

Instrument :

MSVOA_W

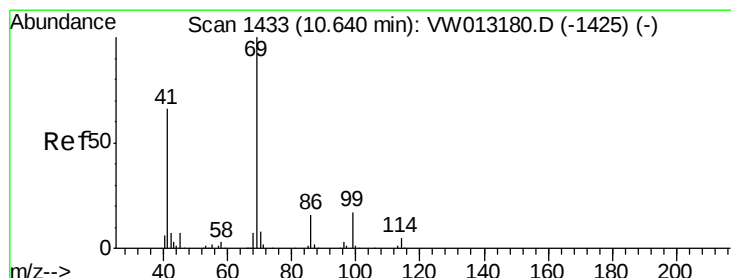
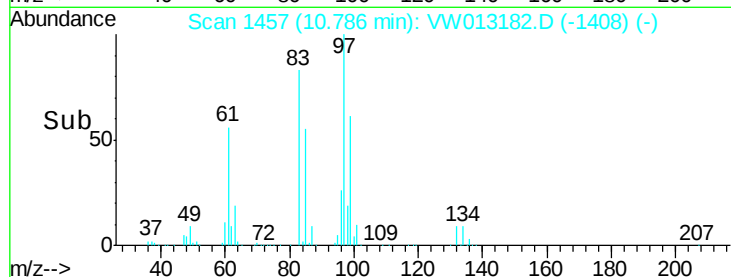
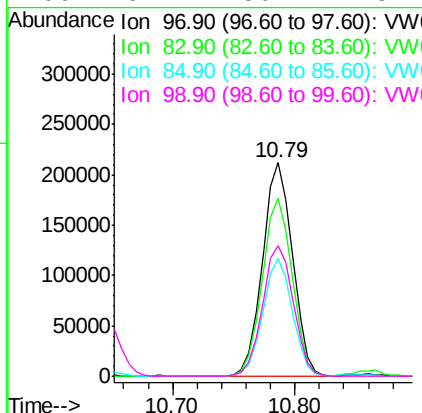
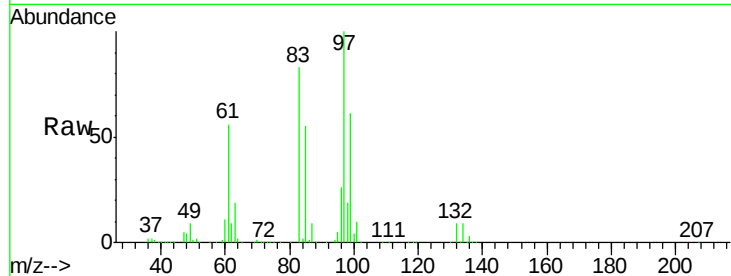
ClientSampleId :

VSTDIC150

Tot Ion:	97	Resp:	362644
Ion	Ratio	Lower	Upper
97	100		
83	83.5	67.6	101.4
85	54.9	41.9	62.9
99	61.2	50.1	75.1

Manual Integrations
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#56

Ethyl methacrylate

Concen: 156.852 ug/l

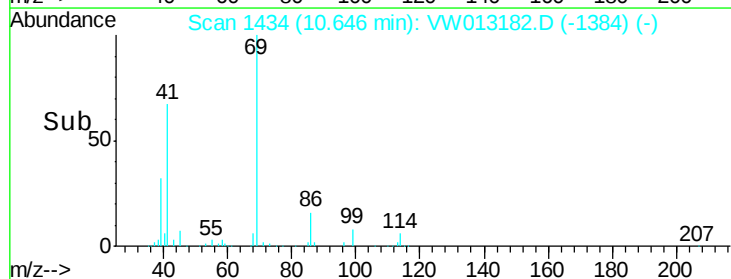
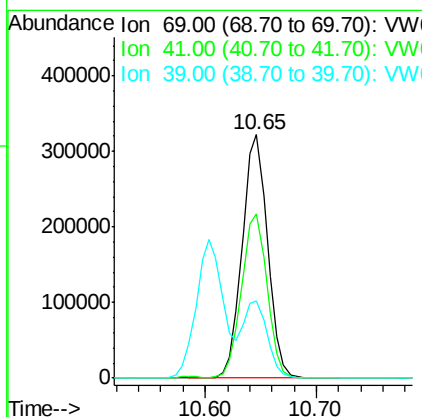
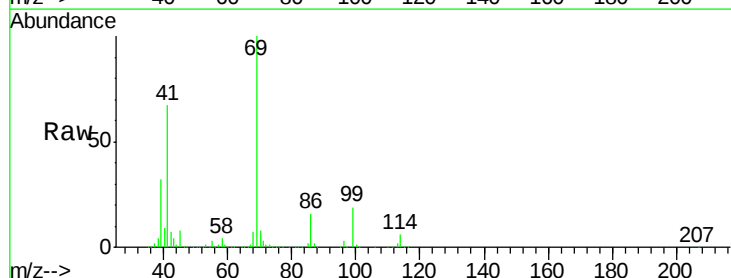
RT: 10.65 min Scan# 1434

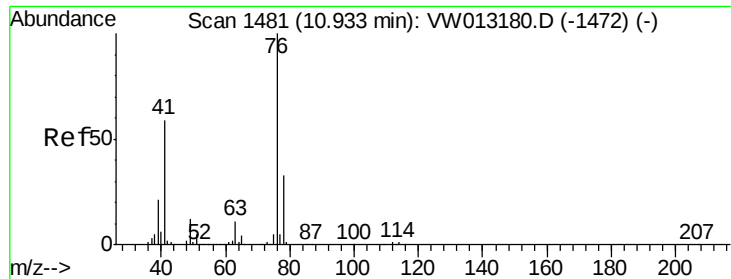
Delta R.T. 0.01 min

Lab File: VW013182.D

Acq: 20 Sep 2019 14:53

Tgt Ion:	69	Resp:	509675
Ion	Ratio	Lower	Upper
69	100		
41	67.8	53.9	80.9
39	29.4	23.8	35.6





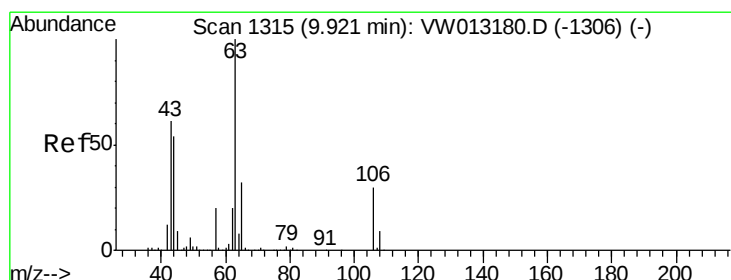
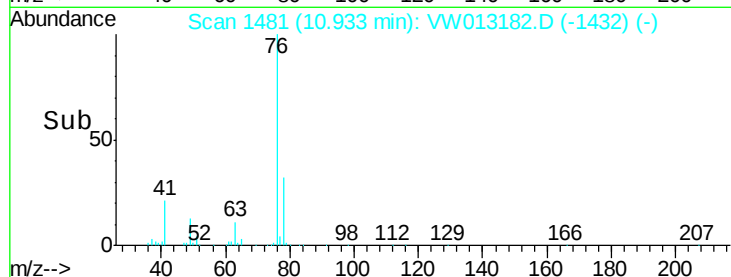
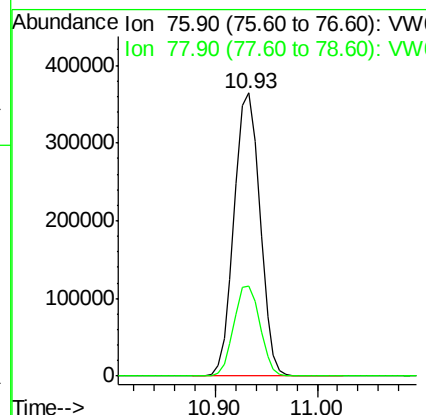
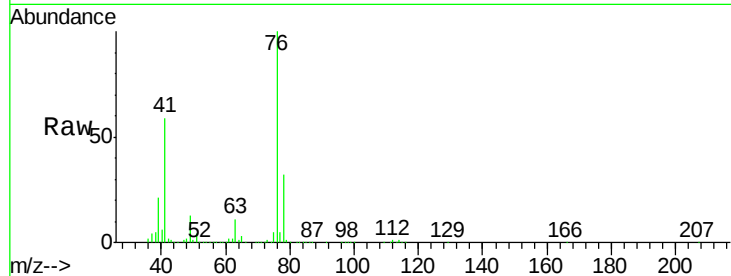
#57
 1,3-Dichloropropane
 Concen: 147.289 ug/l
 RT: 10.93 min Scan# 1481
 Delta R.T. -0.00 min
 Lab File: VW013182.D
 Acq: 20 Sep 2019 14:53

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC150

Tot Ion: 76 Resp: 638161
 Ion Ratio Lower Upper
 76 100
 78 32.2 25.5 38.3

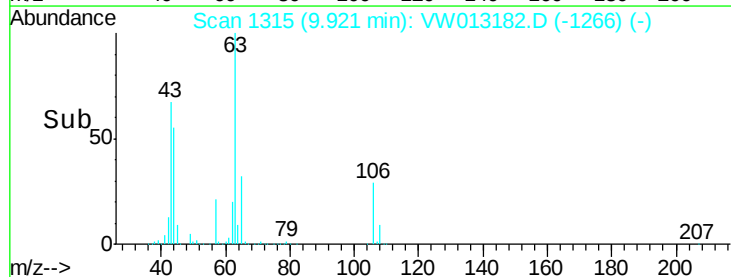
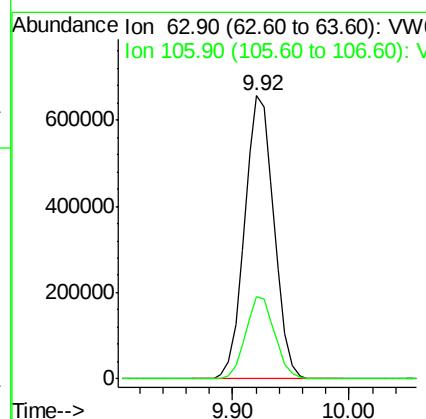
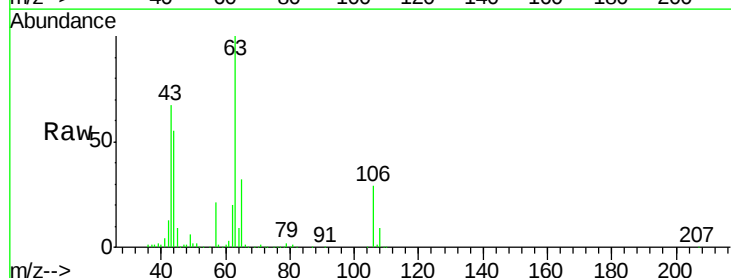
Manual Integrations
 APPROVED

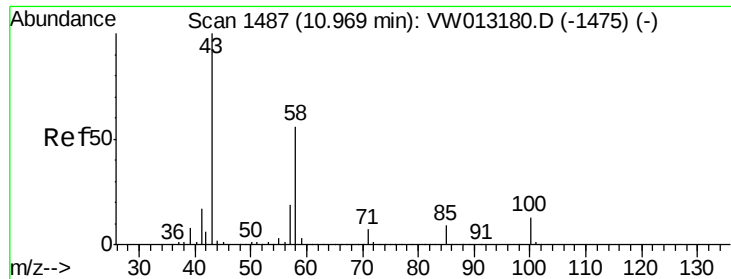
MMDadoda
 9/24/2019 5:28:49 AM



#58
 2-Chloroethyl Vinyl ether
 Concen: 764.671 ug/l
 RT: 9.92 min Scan# 1315
 Delta R.T. -0.00 min
 Lab File: VW013182.D
 Acq: 20 Sep 2019 14:53

Tgt Ion: 63 Resp: 1150289
 Ion Ratio Lower Upper
 63 100
 106 28.8 23.4 35.0





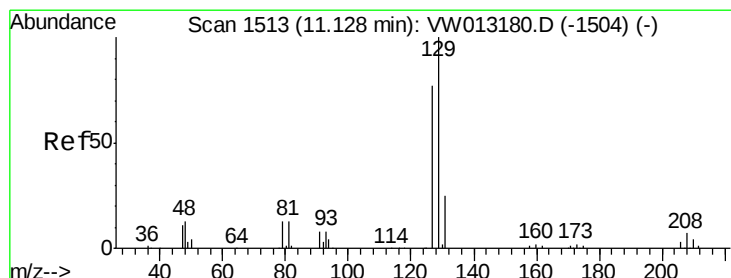
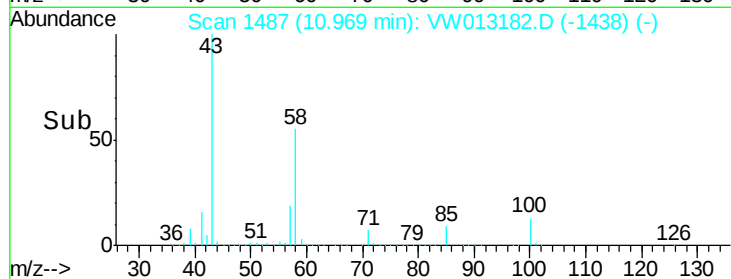
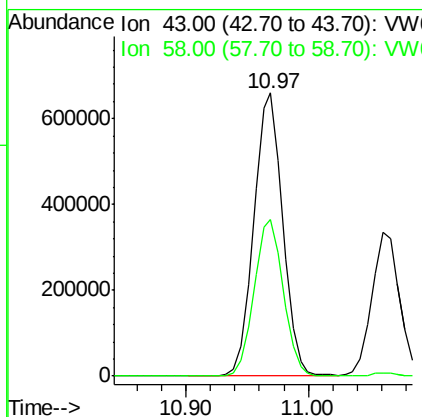
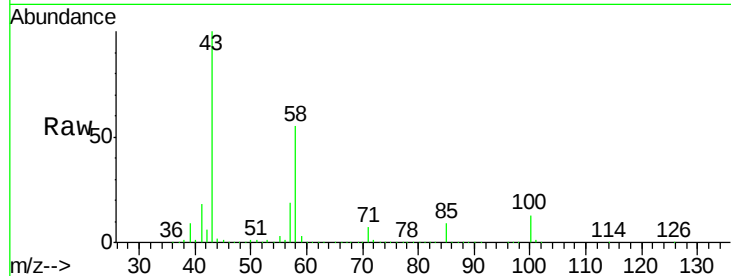
#59
2-Hexanone
Concen: 769.299 ug/l
RT: 10.97 min Scan# 1487
Delta R.T. -0.00 min
Lab File: VW013182.D
Acq: 20 Sep 2019 14:53

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC150

Tot Ion: 43 Resp: 1085921
Ion Ratio Lower Upper
43 100
58 56.0 28.1 84.2

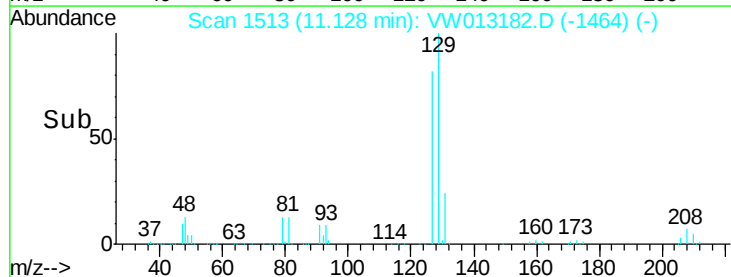
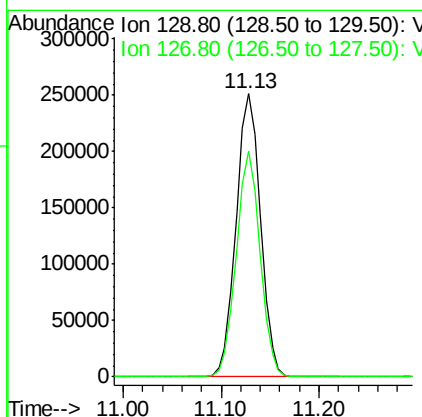
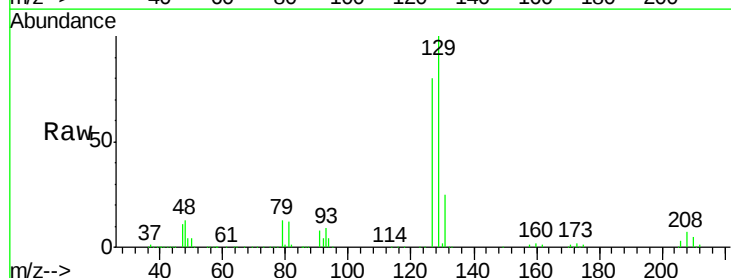
Manual Integrations
APPROVED

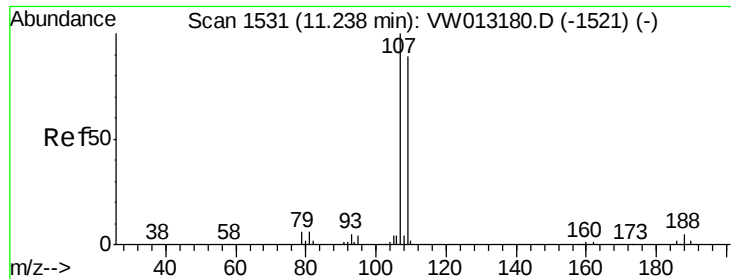
MMDadoda
9/24/2019 5:28:49 AM



#60
Dibromochloromethane
Concen: 155.134 ug/l
RT: 11.13 min Scan# 1513
Delta R.T. -0.00 min
Lab File: VW013182.D
Acq: 20 Sep 2019 14:53

Tgt Ion: 129 Resp: 437363
Ion Ratio Lower Upper
129 100
127 77.6 38.8 116.4





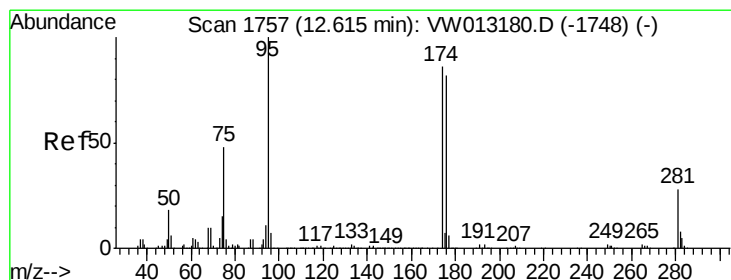
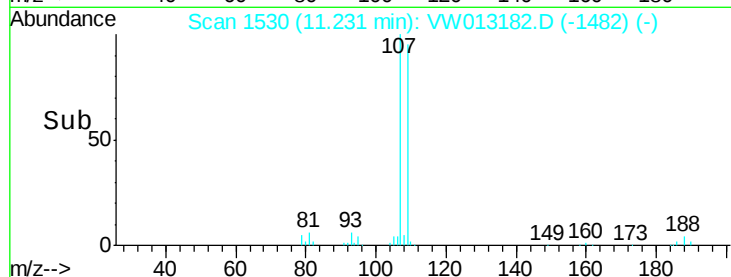
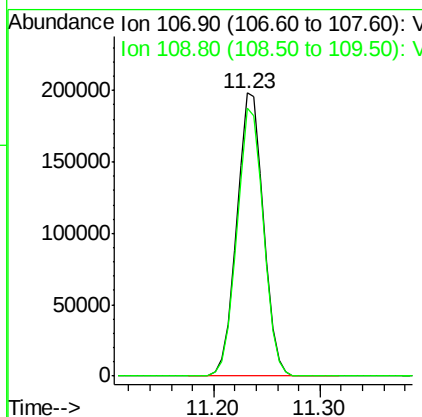
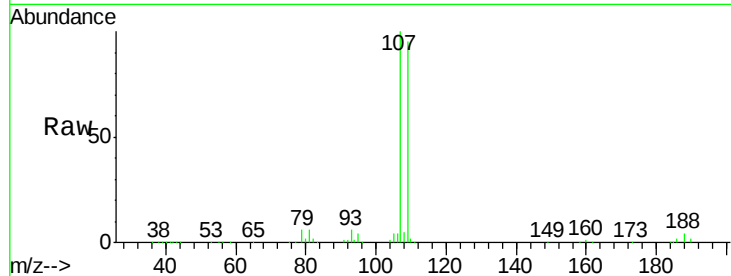
#61
 1,2-Dibromoethane
 Concen: 147.733 ug/l
 RT: 11.23 min Scan# 1530
 Delta R.T. -0.01 min
 Lab File: VW013182.D
 Acq: 20 Sep 2019 14:53

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC150

Tot Ion	Ratio	Resp	Lower	Upper
107	100	348753		
109	94.3	75.2	112.8	

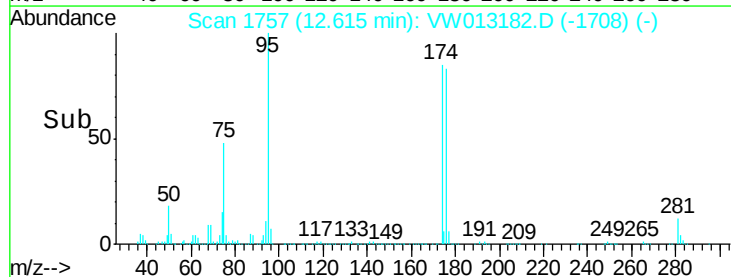
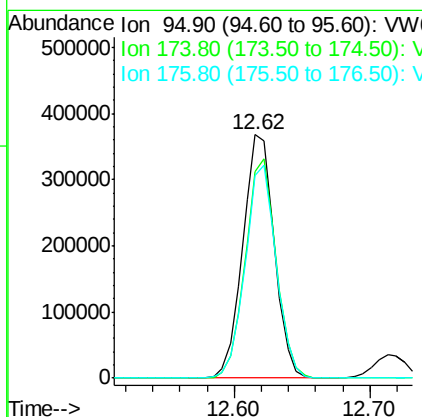
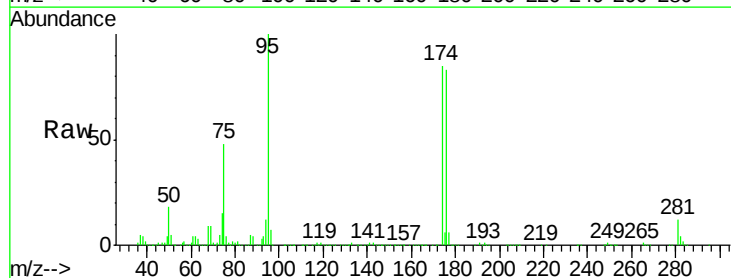
Manual Integrations
 APPROVED

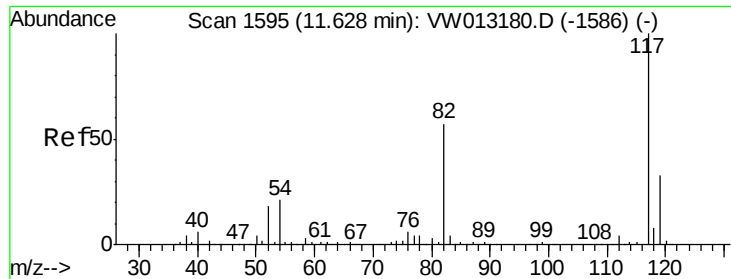
MMDadoda
 9/24/2019 5:28:49 AM



#62
 4-Bromofluorobenzene
 Concen: 145.811 ug/l
 RT: 12.62 min Scan# 1757
 Delta R.T. -0.00 min
 Lab File: VW013182.D
 Acq: 20 Sep 2019 14:53

Tgt Ion	Ratio	Resp	Lower	Upper
95	100	594727		
174	88.4	0.0	178.4	
176	86.2	0.0	172.2	





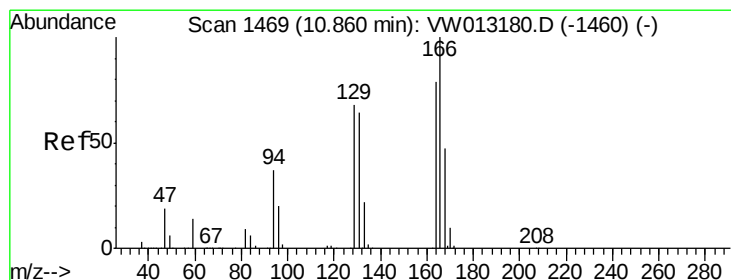
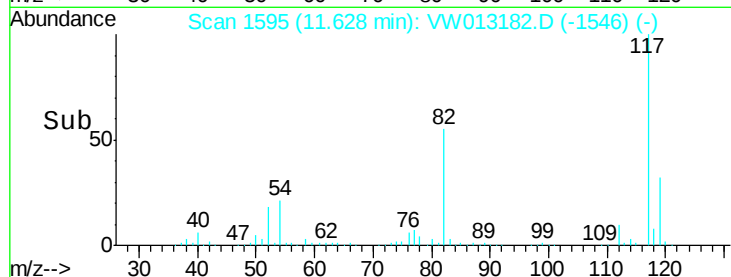
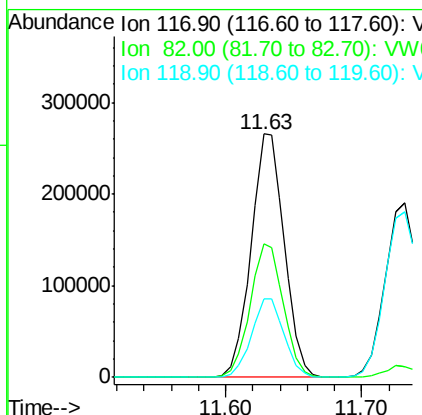
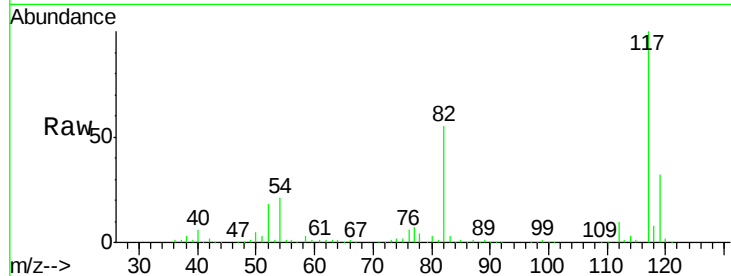
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1595
Delta R.T. -0.00 min
Lab File: VW013182.D
Acq: 20 Sep 2019 14:53

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC150

Tot Ion	Ratio	Lower	Upper
117	100		
82	55.1	45.9	68.9
119	32.2	26.2	39.2

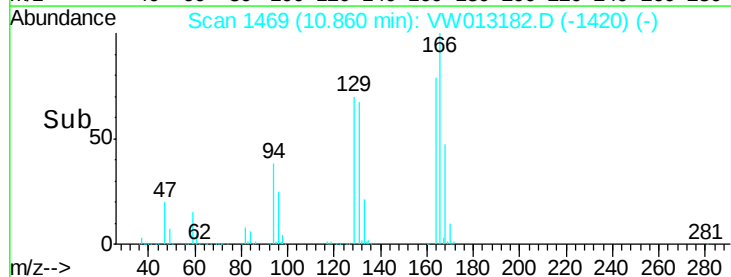
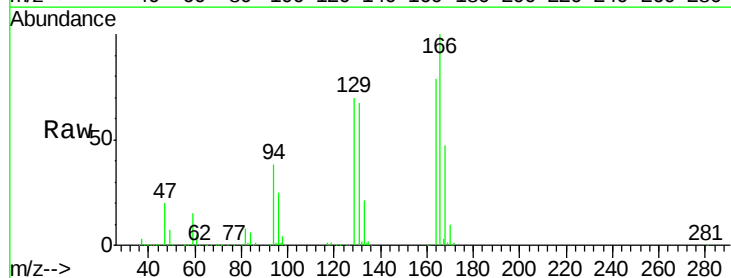
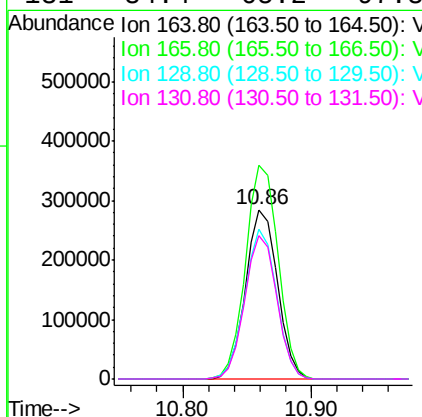
Manual Integrations
APPROVED

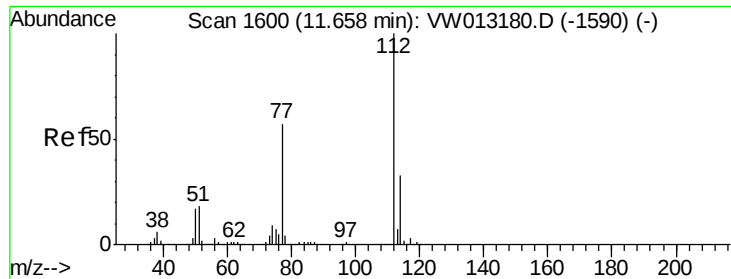
MMDadoda
9/24/2019 5:28:49 AM



#64
Tetrachloroethene
Concen: 140.964 ug/l
RT: 10.86 min Scan# 1469
Delta R.T. -0.00 min
Lab File: VW013182.D
Acq: 20 Sep 2019 14:53

Tgt Ion	Ratio	Lower	Upper
164	100		
166	126.0	101.2	151.8
129	88.2	68.8	103.2
131	84.4	65.2	97.8





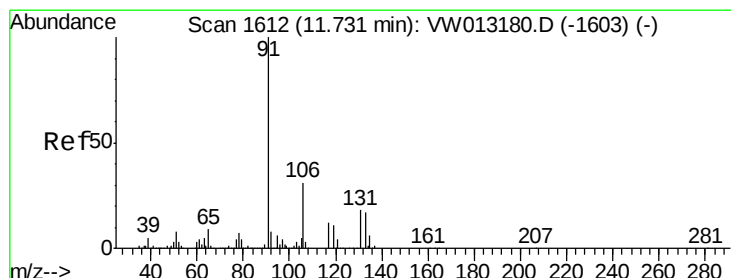
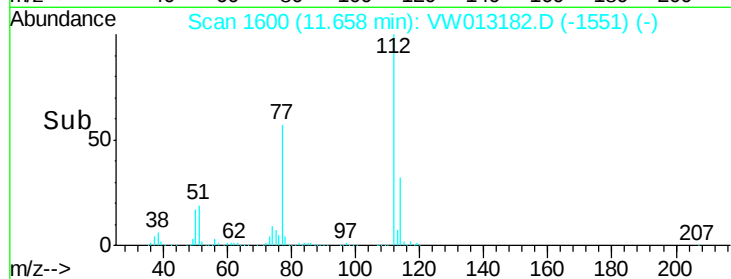
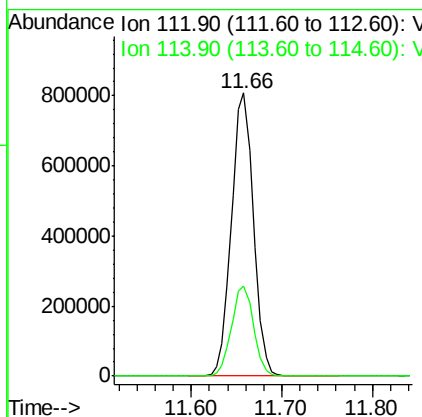
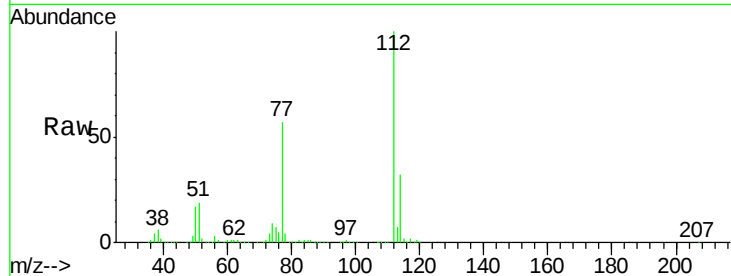
#65
Chlorobenzene
Concen: 143.379 ug/l
RT: 11.66 min Scan# 1600
Delta R.T. -0.00 min
Lab File: VW013182.D
Acq: 20 Sep 2019 14:53

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC150

Tot Ion:112 Resp: 1358539
Ion Ratio Lower Upper
112 100
114 31.7 26.5 39.7

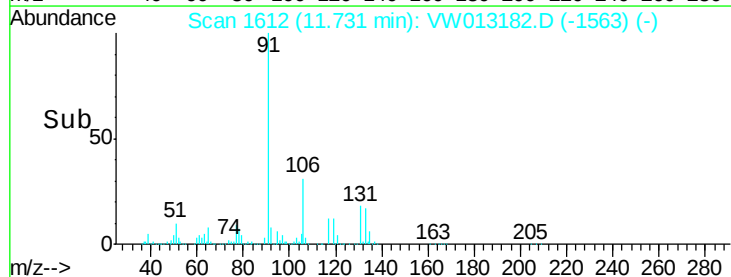
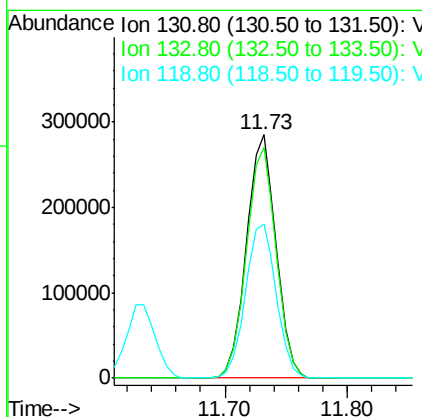
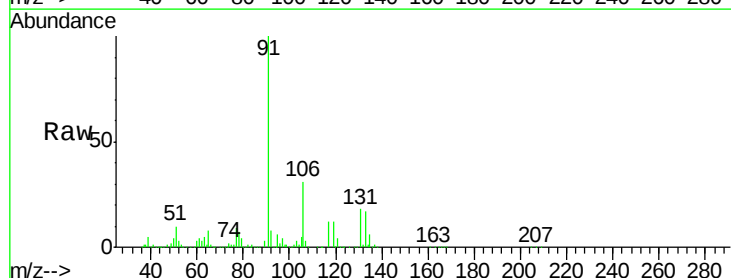
Manual Integrations
APPROVED

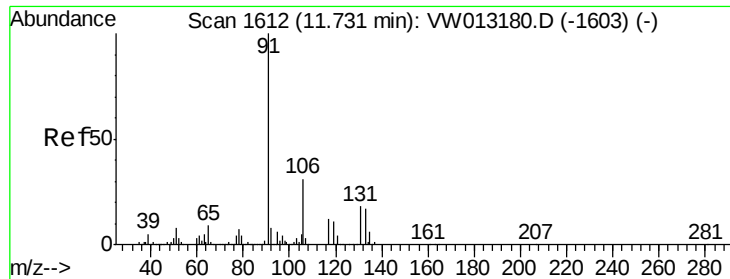
MMDadoda
9/24/2019 5:28:49 AM



#66
1,1,1,2-Tetrachloroethane
Concen: 147.860 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. -0.00 min
Lab File: VW013182.D
Acq: 20 Sep 2019 14:53

Tgt Ion:131 Resp: 478627
Ion Ratio Lower Upper
131 100
133 95.4 47.5 142.6
119 65.7 32.5 97.5





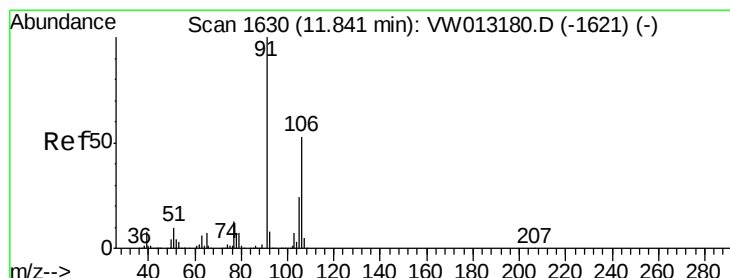
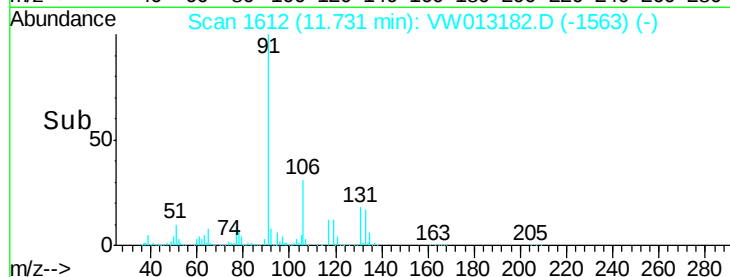
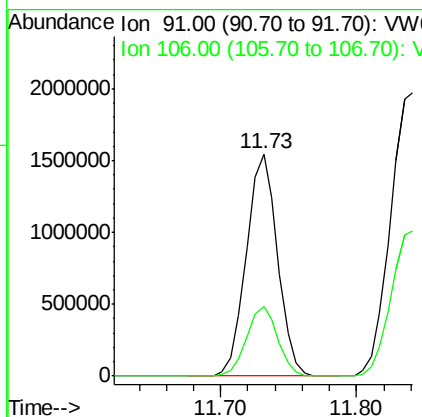
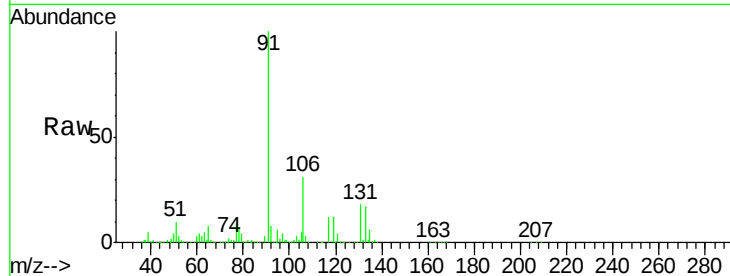
#67
Ethyl Benzene
Concen: 144.581 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. -0.00 min
Lab File: VW013182.D
Acq: 20 Sep 2019 14:53

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC150

Tot Ion: 91 Resp: 2482158
Ion Ratio Lower Upper
91 100
106 31.4 24.9 37.3

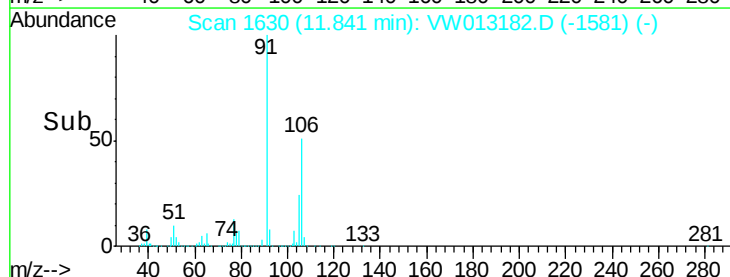
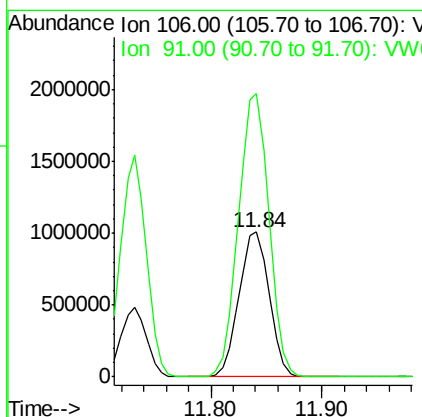
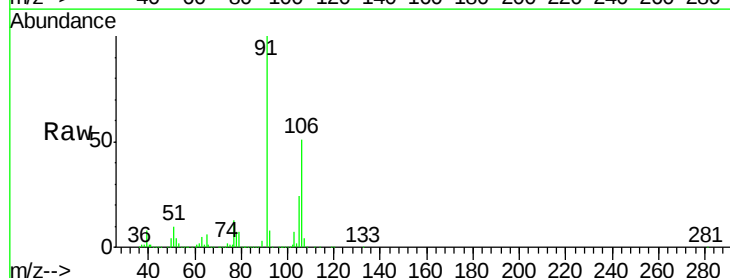
Manual Integrations
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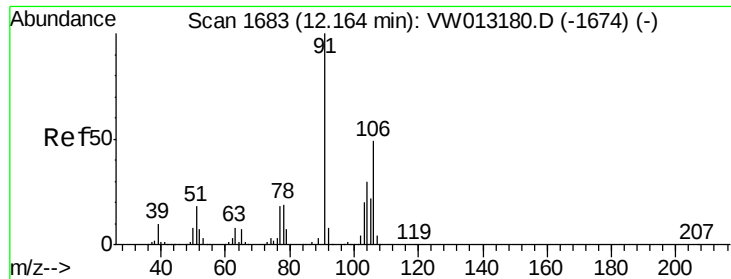
MMDadoda
9/24/2019 5:28:49 AM



#68
m/p-Xylenes
Concen: 289.860 ug/l
RT: 11.84 min Scan# 1630
Delta R.T. -0.00 min
Lab File: VW013182.D
Acq: 20 Sep 2019 14:53

Tgt Ion: 106 Resp: 1896284
Ion Ratio Lower Upper
106 100
91 197.0 157.9 236.9





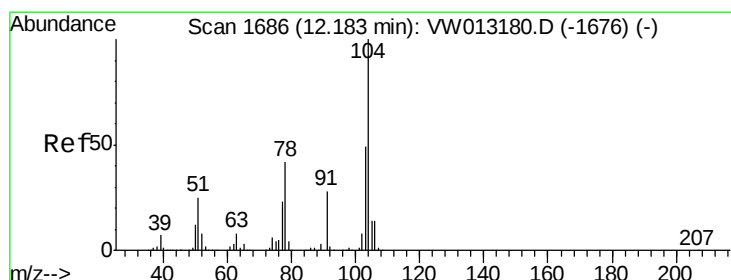
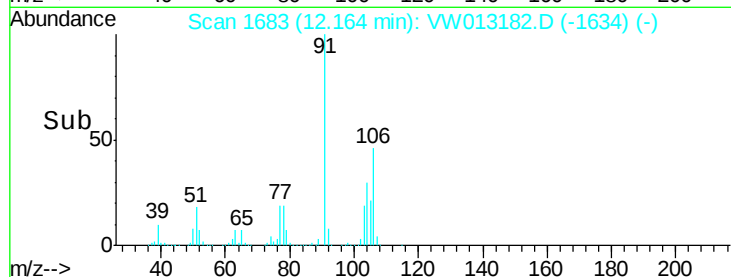
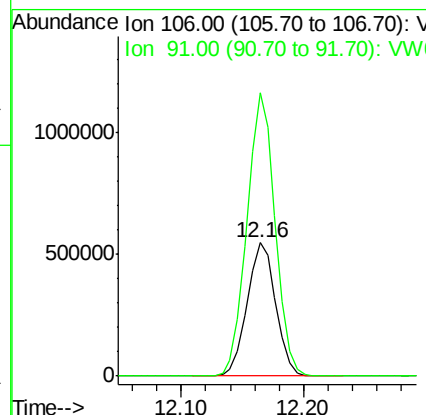
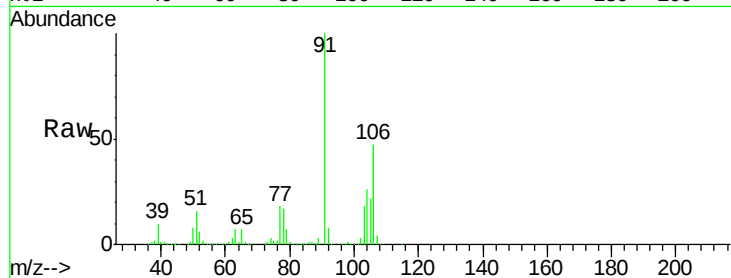
#69
o-Xylene
Concen: 144.967 ug/l
RT: 12.16 min Scan# 1683
Delta R.T. -0.00 min
Lab File: VW013182.D
Acq: 20 Sep 2019 14:53

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC150

Tot Ion	Ratio	Resp	Lower	Upper
106	100	881736		
91	209.3	106.5	319.5	

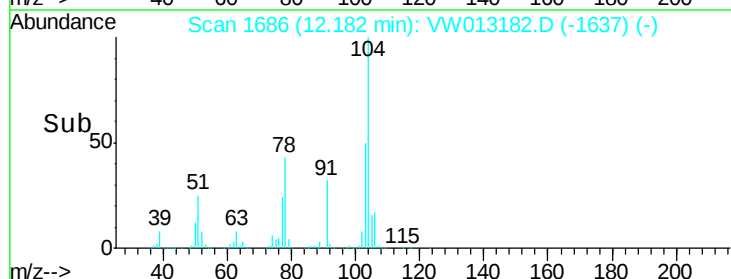
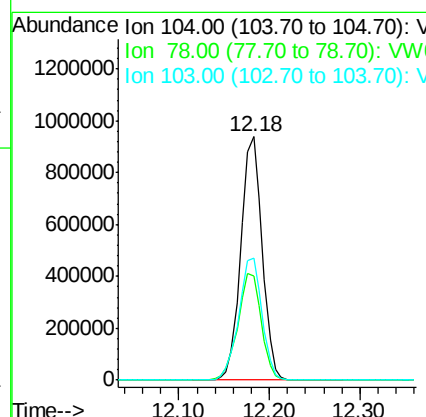
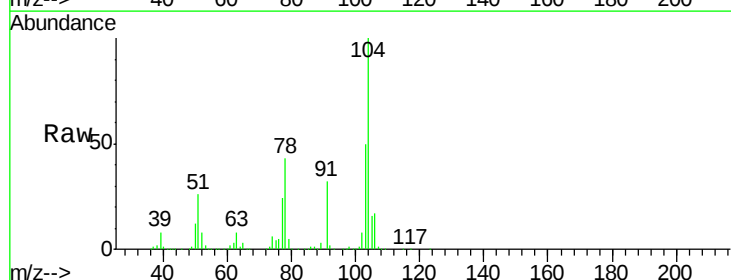
Manual Integrations
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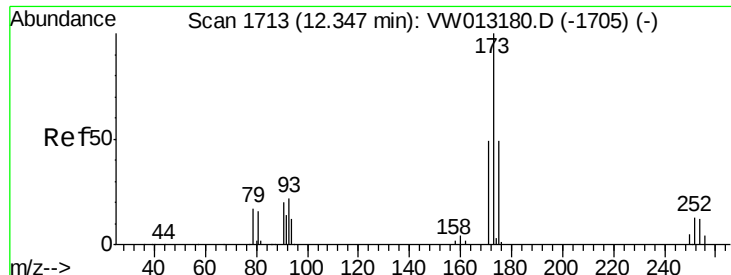
MMDadoda
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#70
Styrene
Concen: 146.518 ug/l
RT: 12.18 min Scan# 1686
Delta R.T. -0.00 min
Lab File: VW013182.D
Acq: 20 Sep 2019 14:53

Tgt Ion	Ratio	Resp	Lower	Upper
104	100	1529950		
78	48.1	38.4	57.6	
103	54.7	43.3	64.9	





#71

Bromoform

Concen: 153.192 ug/l

RT: 12.35 min Scan# 1713

Delta R.T. -0.00 min

Lab File: VW013182.D

Acq: 20 Sep 2019 14:53

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC150

Tot Ion:173 Resp: 261977

Ion Ratio Lower Upper

173 100

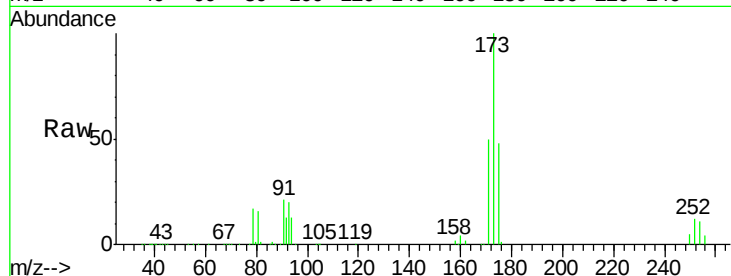
175 48.2 24.3 73.0

254 0.1 0.1 0.1#

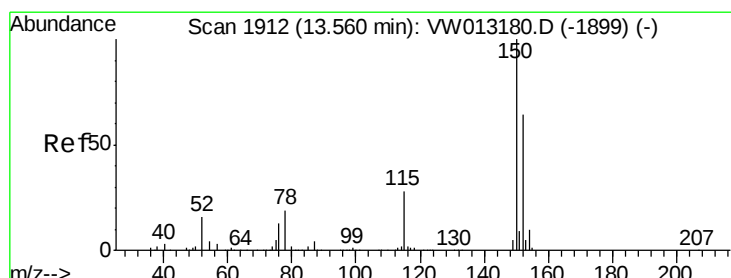
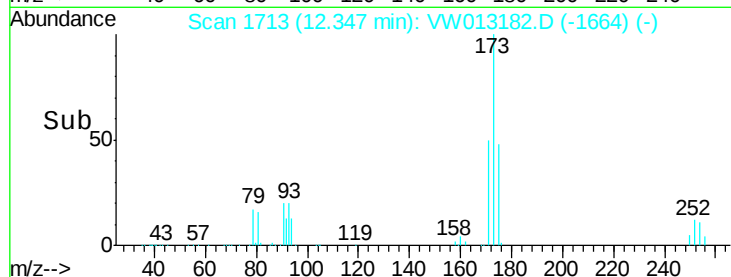
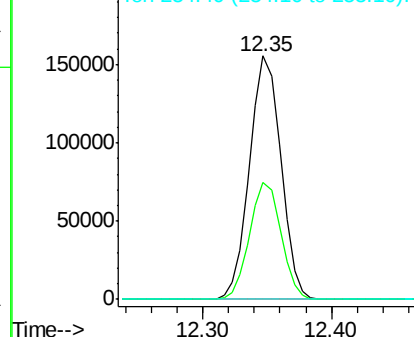
Manual Integrations
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Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.56 min Scan# 1912

Delta R.T. -0.00 min

Lab File: VW013182.D

Acq: 20 Sep 2019 14:53

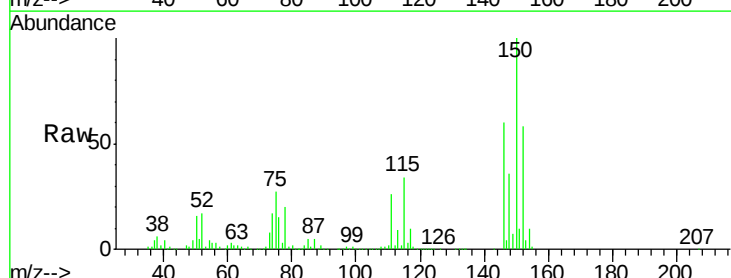
Tgt Ion:152 Resp: 223634

Ion Ratio Lower Upper

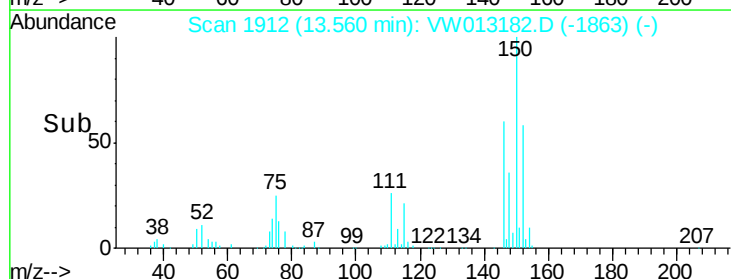
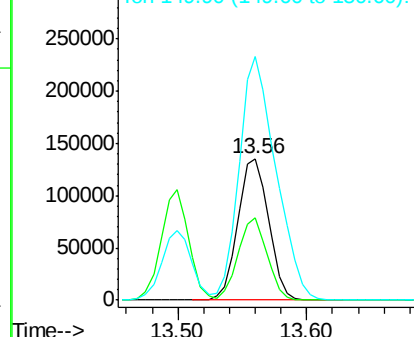
152 100

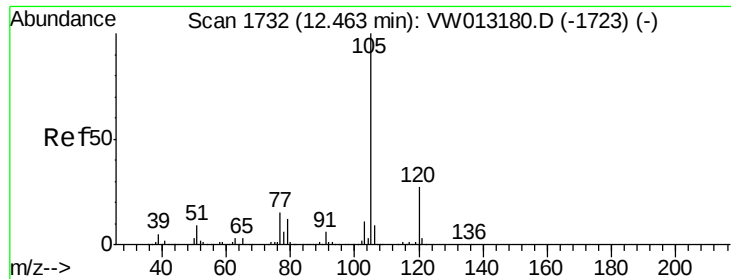
115 54.9 27.3 81.9

150 205.7 0.0 349.0



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





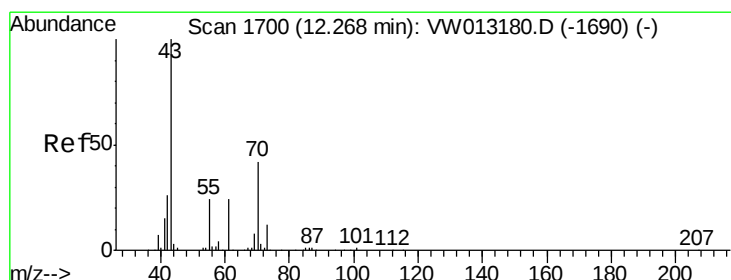
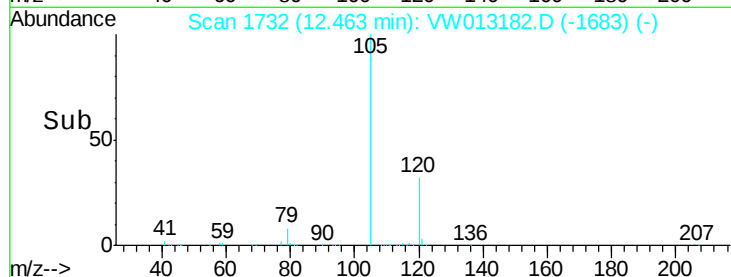
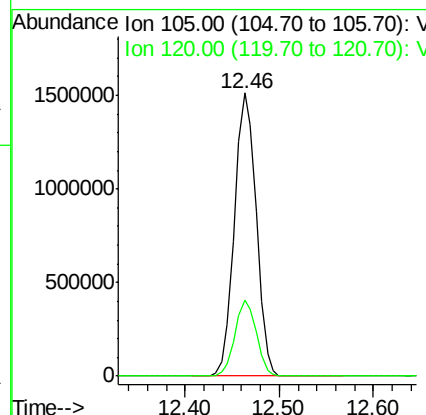
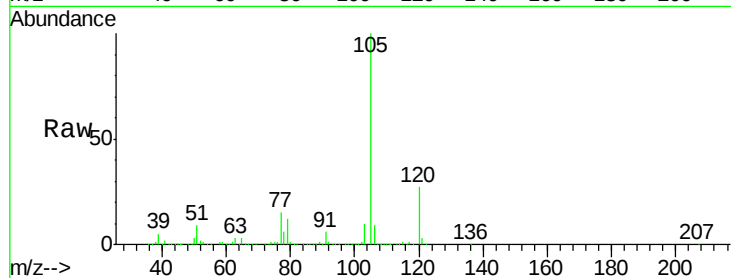
#73
Isopropylbenzene
Concen: 146.832 ug/l
RT: 12.46 min Scan# 1732
Delta R.T. -0.00 min
Lab File: VW013182.D
Acq: 20 Sep 2019 14:53

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC150

Tot Ion:105 Resp: 2425667
Ion Ratio Lower Upper
105 100
120 26.5 13.4 40.1

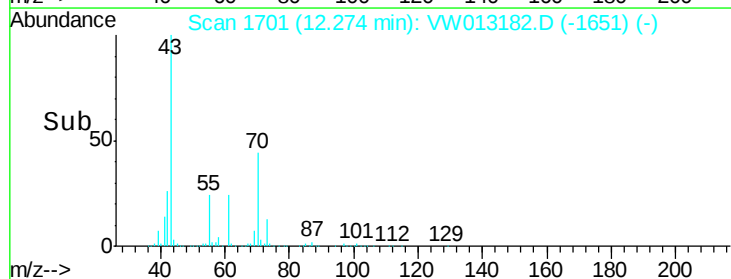
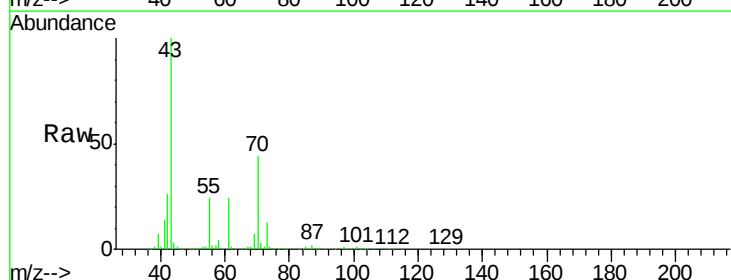
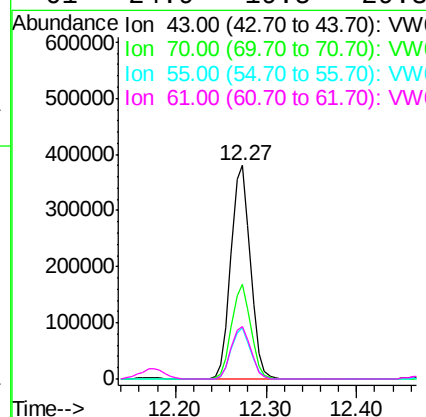
Manual Integrations
APPROVED

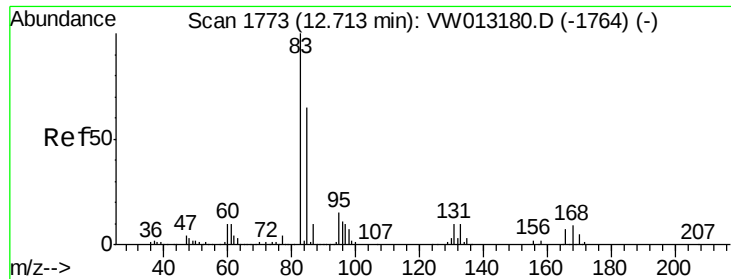
MMDadoda
9/24/2019 5:28:49 AM



#74
N-ethyl acetate
Concen: 155.514 ug/l
RT: 12.27 min Scan# 1701
Delta R.T. 0.01 min
Lab File: VW013182.D
Acq: 20 Sep 2019 14:53

Tgt Ion: 43 Resp: 570083
Ion Ratio Lower Upper
43 100
70 43.7 35.1 52.7
55 24.1 19.9 29.9
61 24.9 19.5 29.3





#75

1,1,2,2-Tetrachloroethane

Concen: 145.444 ug/l

RT: 12.71 min Scan# 1773

Delta R.T. -0.00 min

Lab File: VW013182.D

Acq: 20 Sep 2019 14:53

Instrument :

MSVOA_W

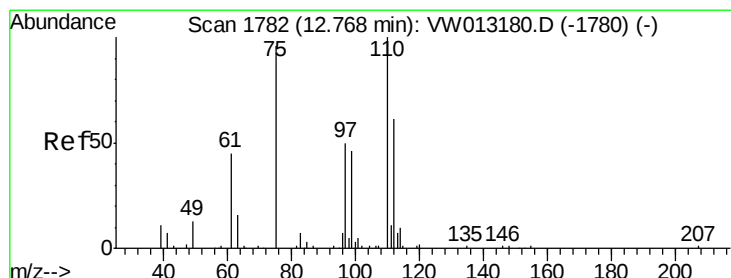
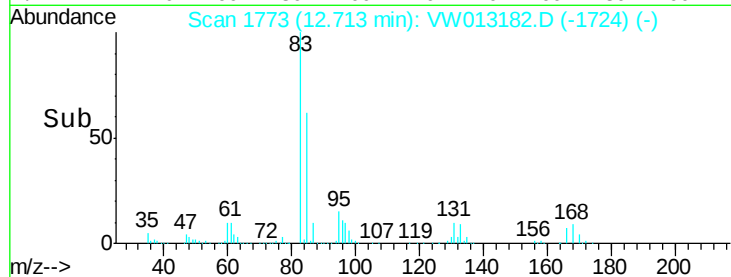
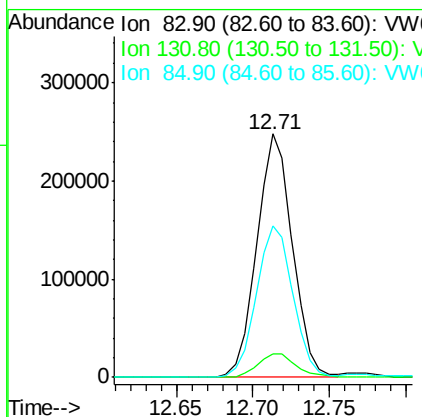
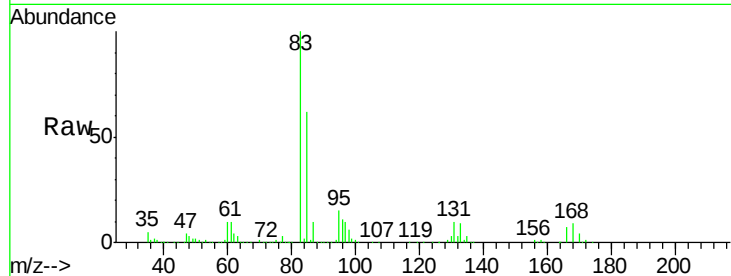
ClientSampleId :

VSTDIC150

Tot Ion:	83	Resp:	401840
Ion Ratio	Lower	Upper	
83	100		
131	10.7	5.4	16.2
85	63.8	31.9	95.9

Manual Integrations
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#76

1,2,3-Trichloropropane

Concen: 133.475 ug/l m

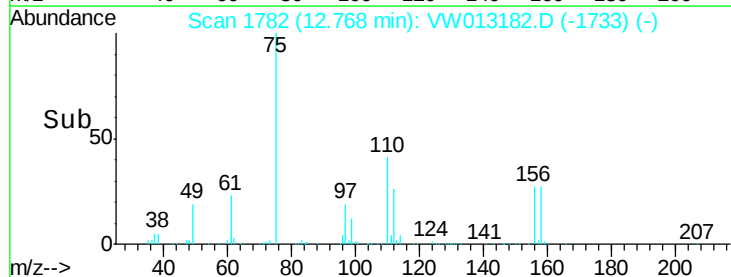
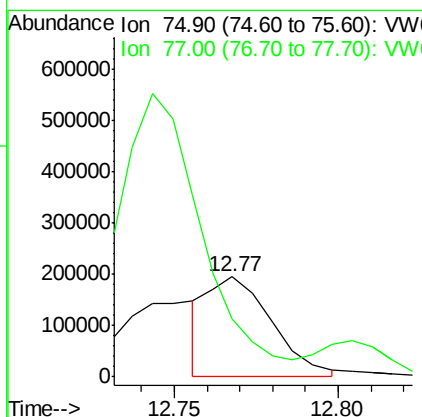
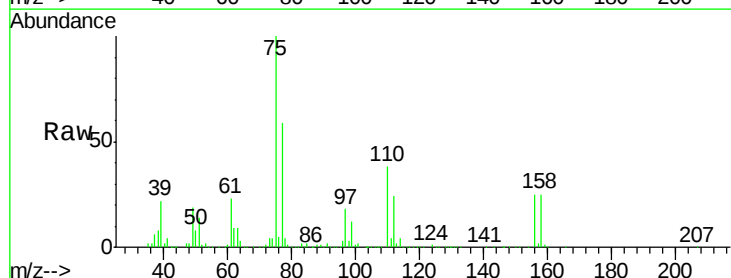
RT: 12.77 min Scan# 1782

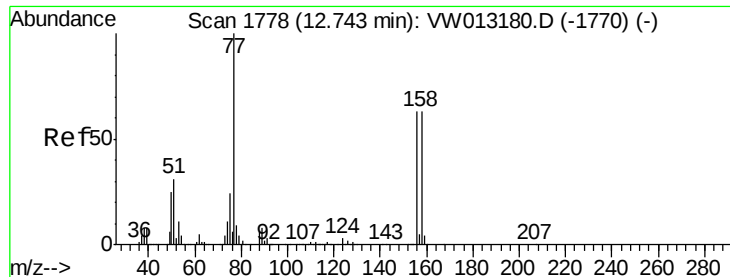
Delta R.T. -0.00 min

Lab File: VW013182.D

Acq: 20 Sep 2019 14:53

Tgt Ion:	75	Resp:	263611
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





#77

Bromobenzene

Concen: 144.636 ug/l

RT: 12.74 min Scan# 1778

Delta R.T. -0.00 min

Lab File: VW013182.D

Acq: 20 Sep 2019 14:53

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC150

Tot Ion:156 Resp: 566219

Ion Ratio Lower Upper

156 100

77 176.3 85.7 257.1

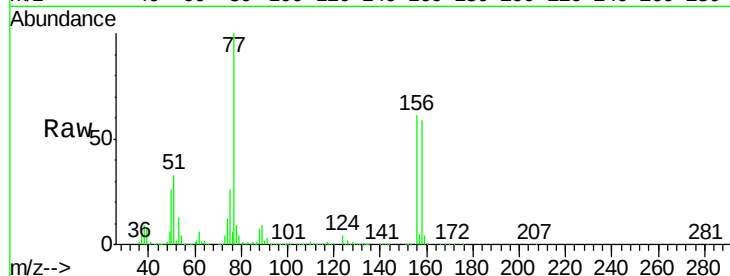
158 98.0 48.1 144.4

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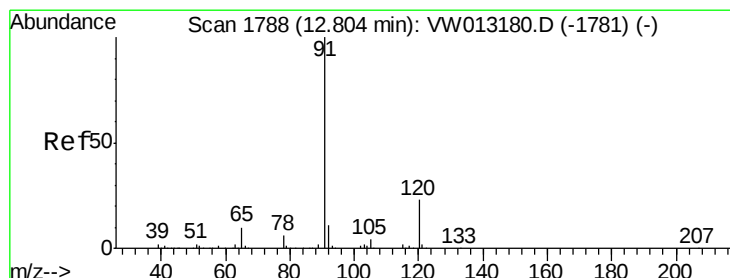
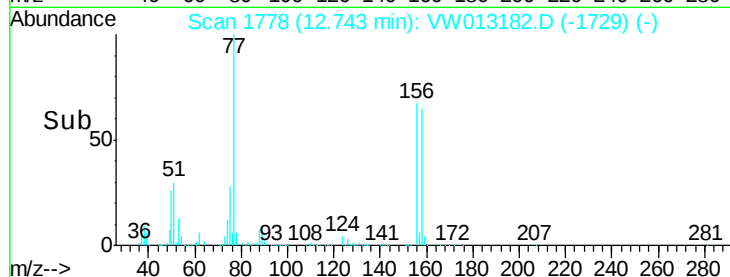
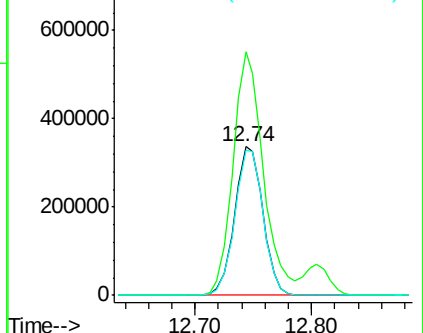
9/24/2019 5:28:49 AM



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: 145.974 ug/l

RT: 12.80 min Scan# 1788

Delta R.T. -0.00 min

Lab File: VW013182.D

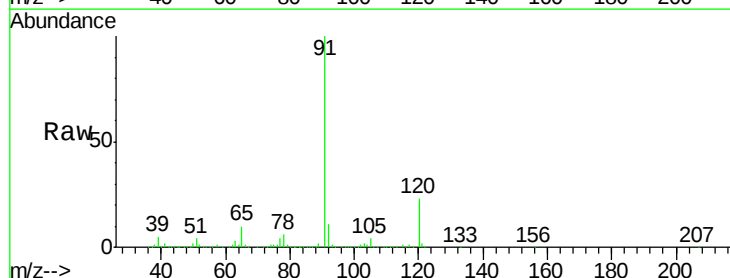
Acq: 20 Sep 2019 14:53

Tgt Ion: 91 Resp: 2822734

Ion Ratio Lower Upper

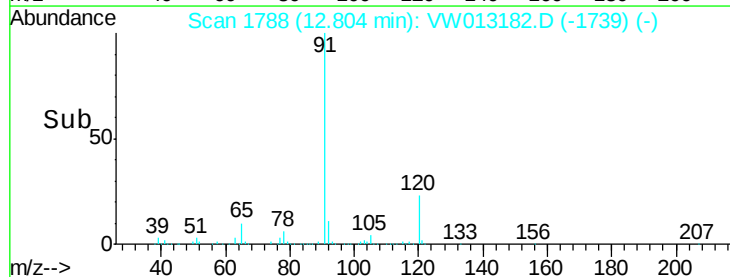
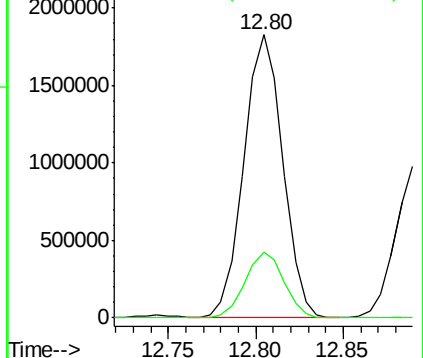
91 100

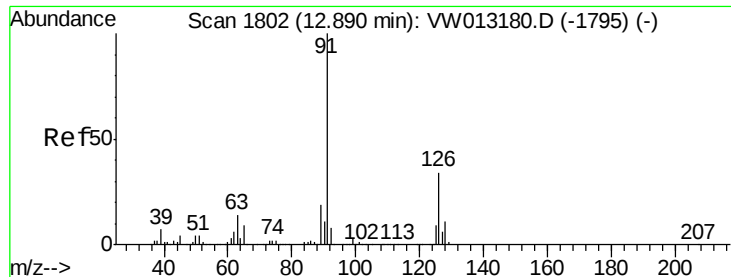
120 23.3 11.7 35.1



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 145.235 ug/l

RT: 12.89 min Scan# 1802

Delta R.T. -0.00 min

Lab File: VW013182.D

Acq: 20 Sep 2019 14:53

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC150

Tot Ion: 91 Resp: 1573394

Ion Ratio Lower Upper

91 100

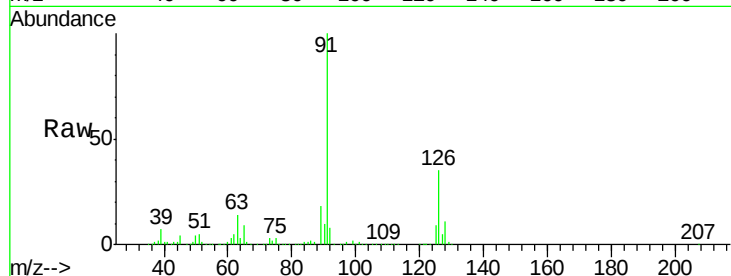
126 34.6 17.2 51.5

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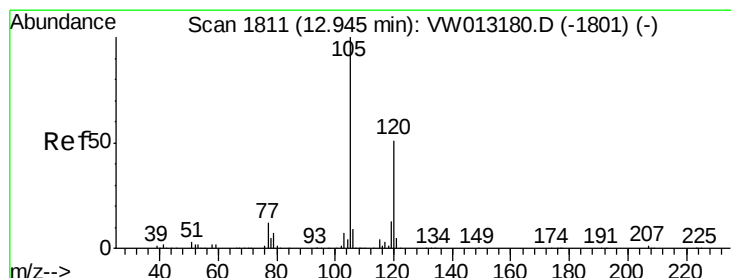
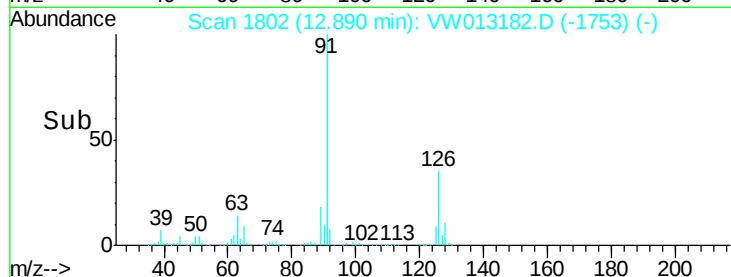
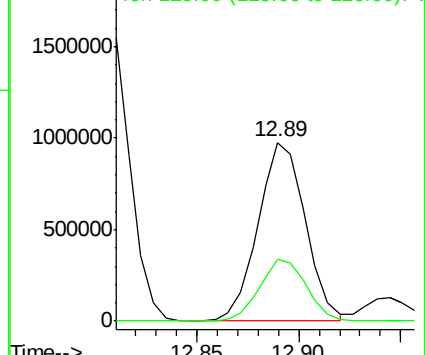
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Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 125.90 (125.60 to 126.60): V



#80

1,3,5-Trimethylbenzene

Concen: 144.853 ug/l

RT: 12.94 min Scan# 1811

Delta R.T. -0.00 min

Lab File: VW013182.D

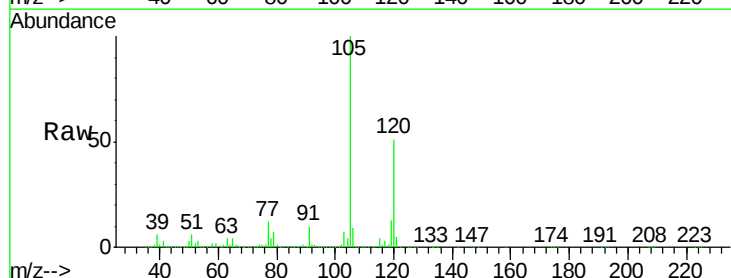
Acq: 20 Sep 2019 14:53

Tgt Ion:105 Resp: 2011549

Ion Ratio Lower Upper

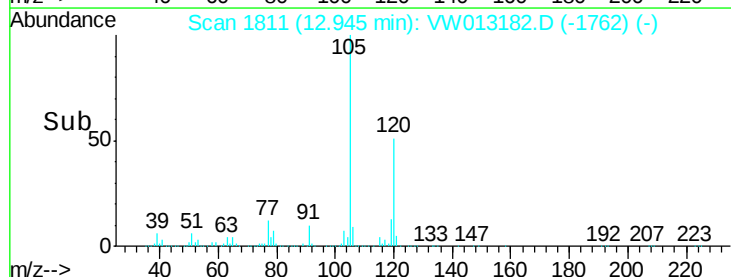
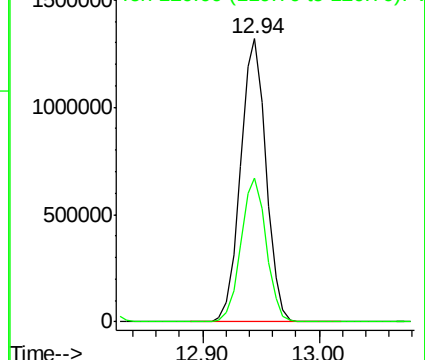
105 100

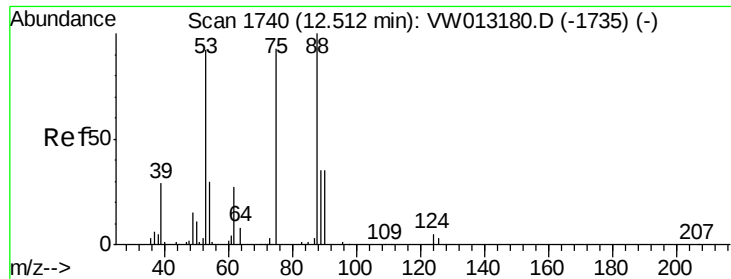
120 50.4 24.9 74.8



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: 164.437 ug/l

RT: 12.51 min Scan# 1740

Delta R.T. -0.00 min

Lab File: VW013182.D

Acq: 20 Sep 2019 14:53

Instrument :

MSVOA_W

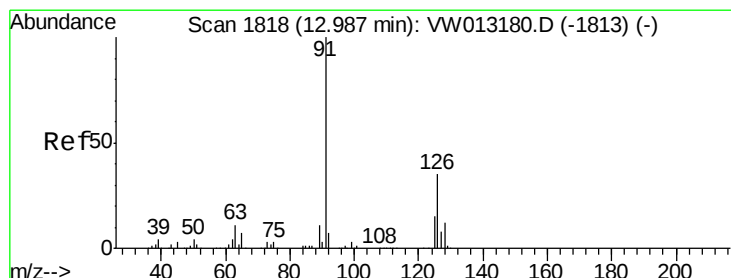
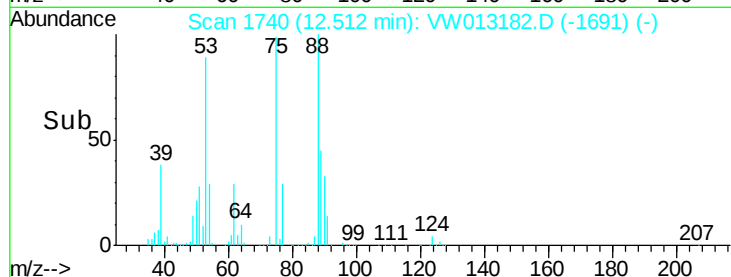
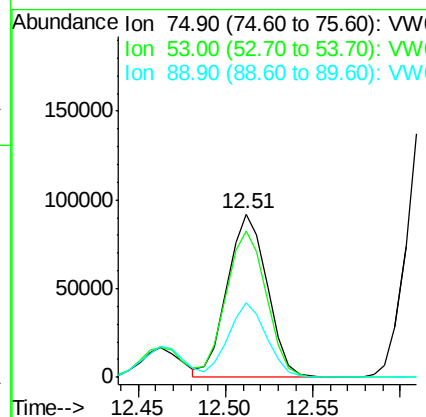
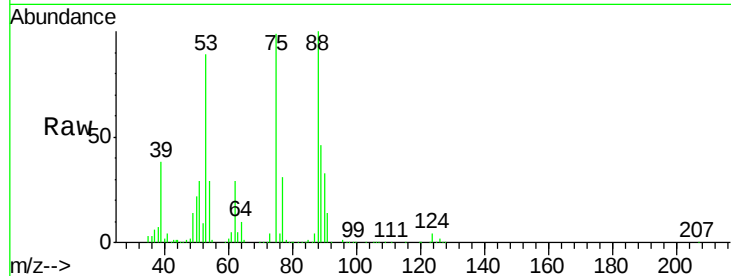
ClientSampleId :

VSTDIC150

Tot Ion:	75	Resp:	144729
Ion	Ratio	Lower	Upper
75	100		
53	90.8	76.6	114.8
89	43.9	33.5	50.3

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#82

4-Chlorotoluene

Concen: 144.794 ug/l

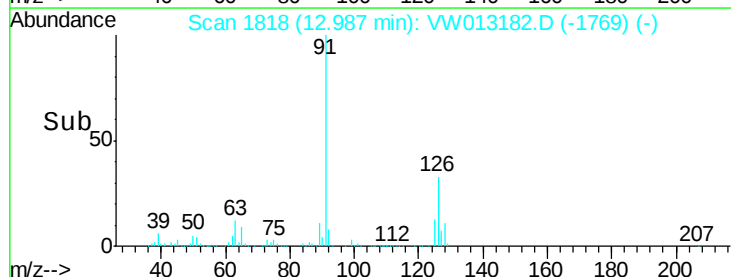
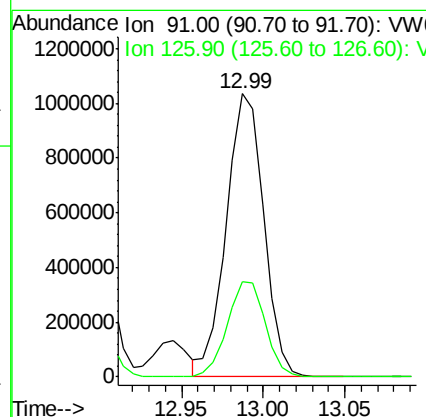
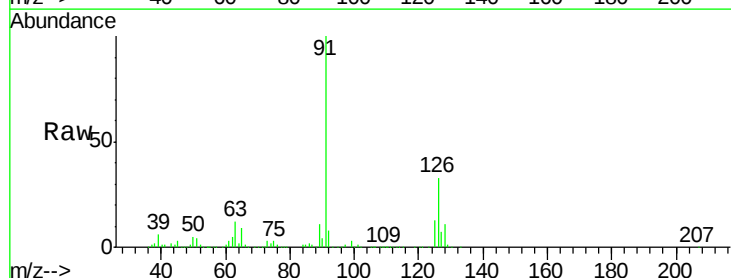
RT: 12.99 min Scan# 1818

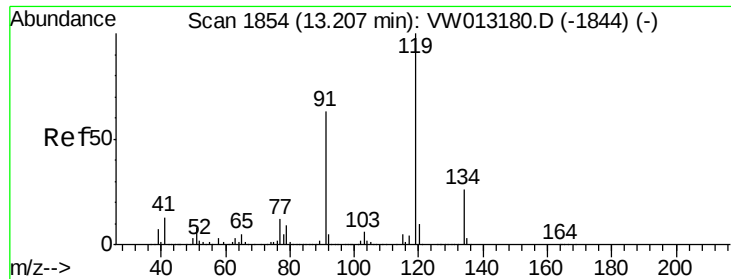
Delta R.T. -0.00 min

Lab File: VW013182.D

Acq: 20 Sep 2019 14:53

Tgt Ion:	91	Resp:	1654163
Ion	Ratio	Lower	Upper
91	100		
126	34.0	17.3	51.7





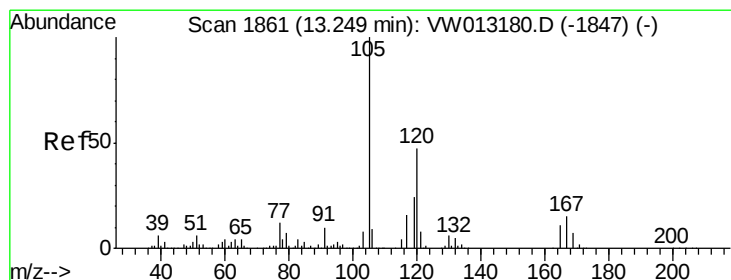
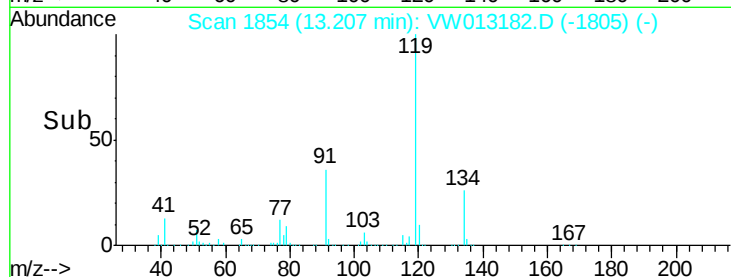
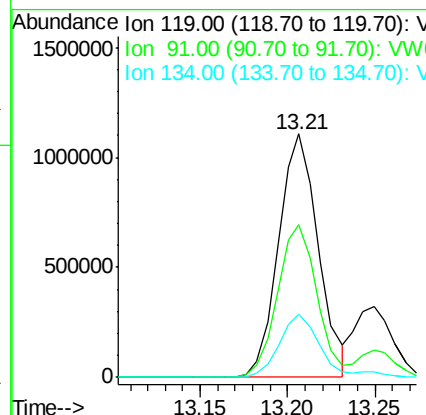
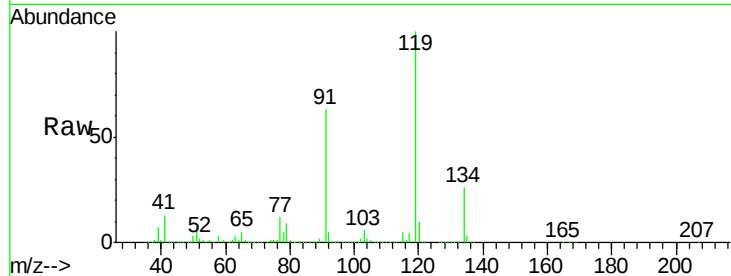
#83
tert-Butylbenzene
Concen: 144.213 ug/l
RT: 13.21 min Scan# 1854
Delta R.T. -0.00 min
Lab File: VW013182.D
Acq: 20 Sep 2019 14:53

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC150

Tot Ion:119 Resp: 1757751
Ion Ratio Lower Upper
119 100
91 62.0 30.7 92.1
134 25.5 12.6 37.6

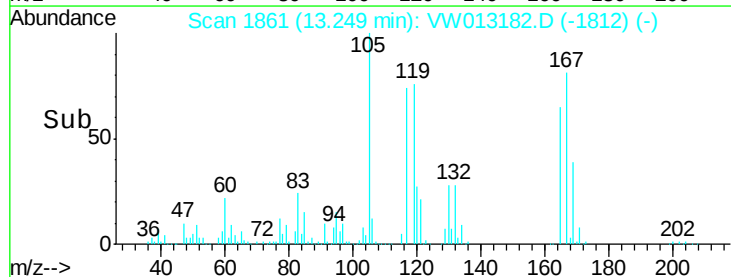
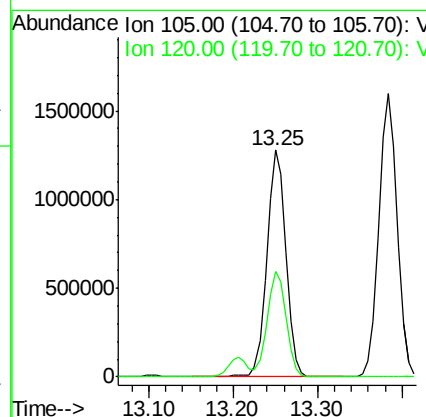
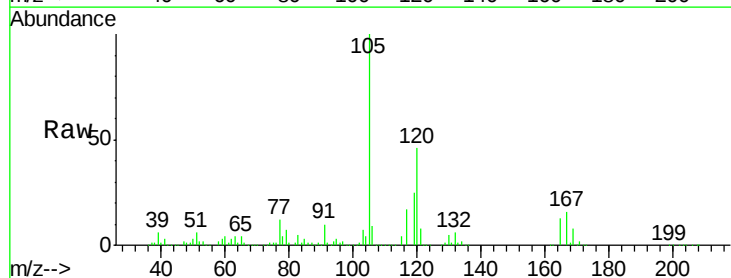
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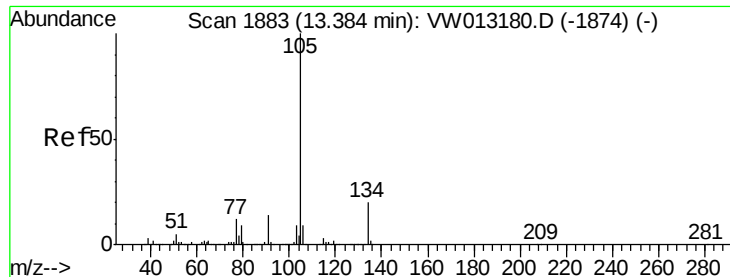
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#84
1,2,4-Trimethylbenzene
Concen: 143.537 ug/l
RT: 13.25 min Scan# 1861
Delta R.T. -0.00 min
Lab File: VW013182.D
Acq: 20 Sep 2019 14:53

Tgt Ion:105 Resp: 1983487
Ion Ratio Lower Upper
105 100
120 46.0 23.4 70.3





#85

sec-Butylbenzene

Concen: 143.569 ug/l

RT: 13.38 min Scan# 1883

Delta R.T. -0.00 min

Lab File: VW013182.D

Acq: 20 Sep 2019 14:53

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC150

Tot Ion:105 Resp: 2412563

Ion Ratio Lower Upper

105 100

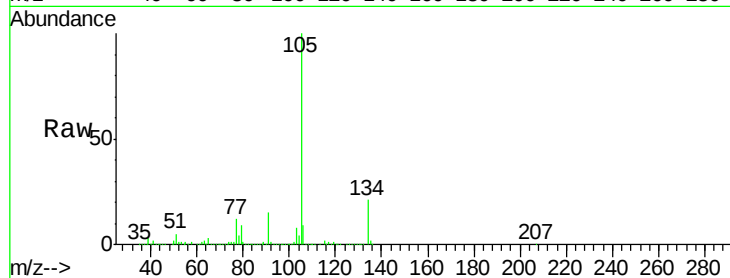
134 20.8 10.3 30.8

Manual Integrations

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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V

13.38

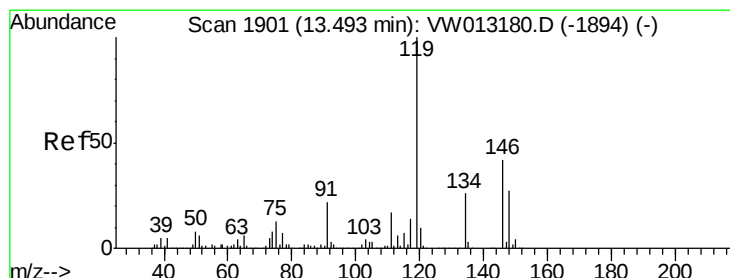
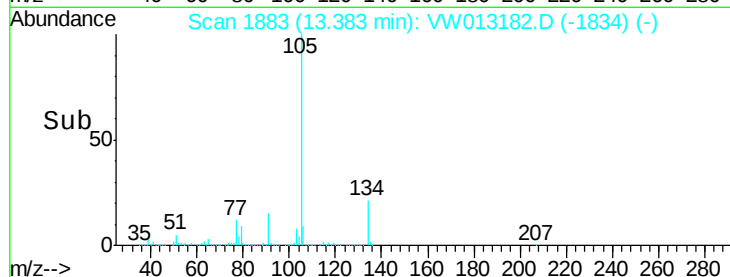
1500000

1000000

500000

0

Time-->



#86

p-Isopropyltoluene

Concen: 144.880 ug/l

RT: 13.50 min Scan# 1902

Delta R.T. 0.01 min

Lab File: VW013182.D

Acq: 20 Sep 2019 14:53

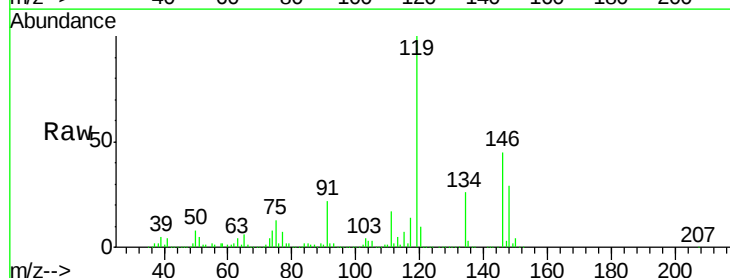
Tgt Ion:119 Resp: 2258108

Ion Ratio Lower Upper

119 100

134 26.1 13.3 39.8

91 22.0 10.8 32.4



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

2000000

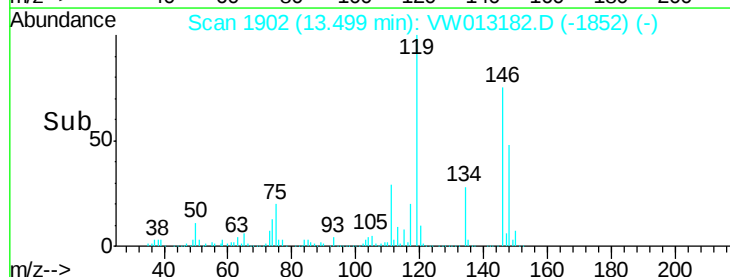
1500000

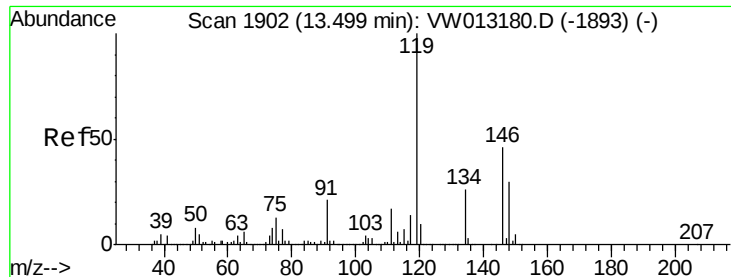
1000000

500000

0

Time-->





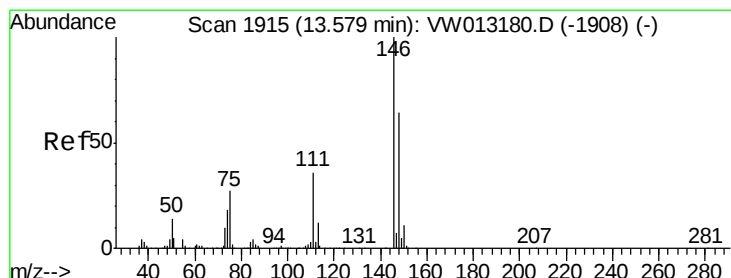
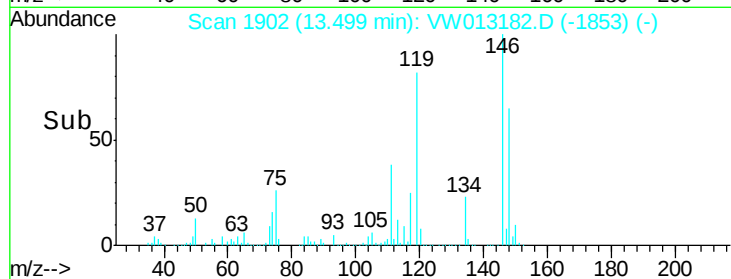
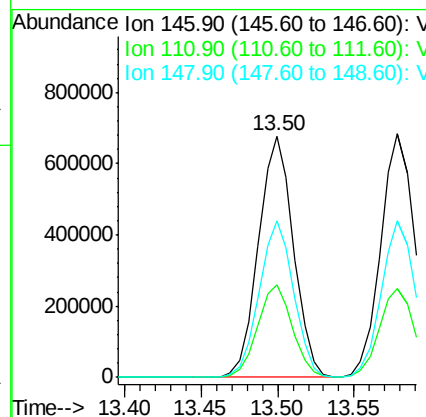
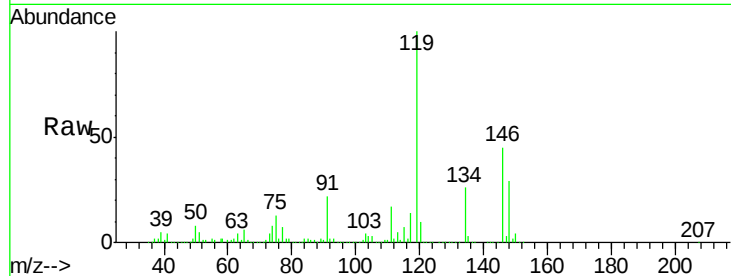
#87
 1,3-Dichlorobenzene
 Concen: 143.036 ug/l
 RT: 13.50 min Scan# 1902
 Delta R.T. -0.00 min
 Lab File: VW013182.D
 Acq: 20 Sep 2019 14:53

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC150

Tot Ion	Ratio	Lower	Upper
146	100		
111	38.1	18.9	56.9
148	63.9	31.9	95.5

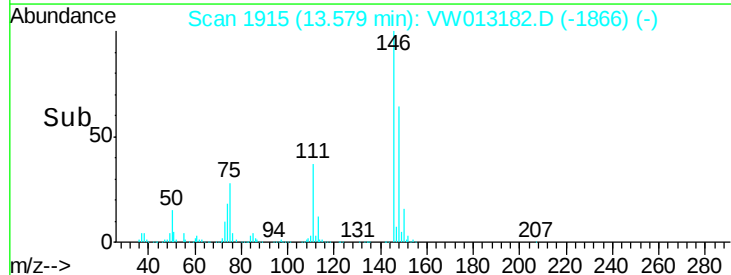
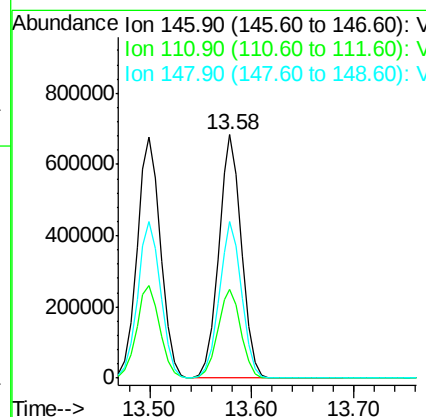
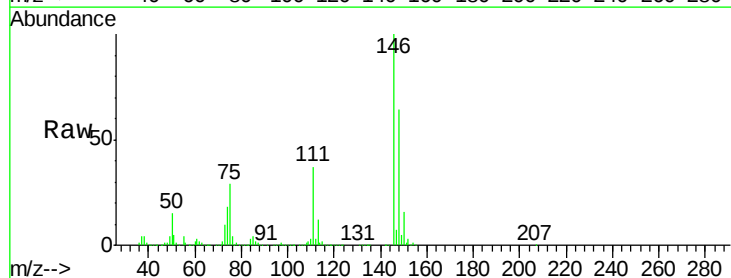
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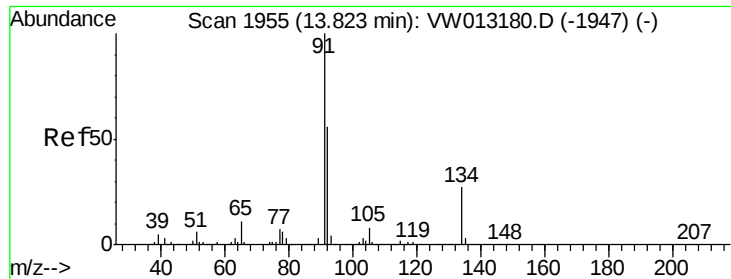
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#88
 1,4-Dichlorobenzene
 Concen: 143.717 ug/l
 RT: 13.58 min Scan# 1915
 Delta R.T. -0.00 min
 Lab File: VW013182.D
 Acq: 20 Sep 2019 14:53

Tgt Ion	Ratio	Lower	Upper
146	100		
111	37.0	18.4	55.0
148	63.7	32.1	96.3





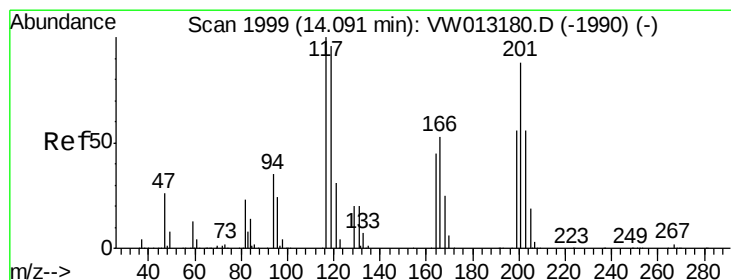
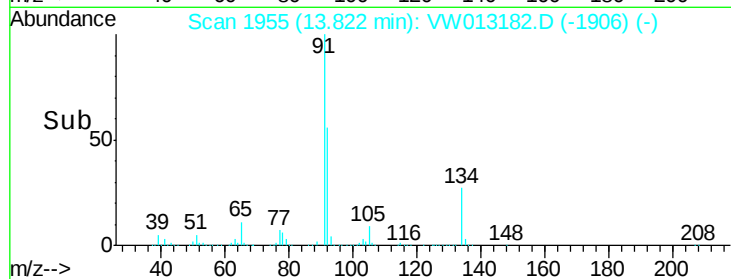
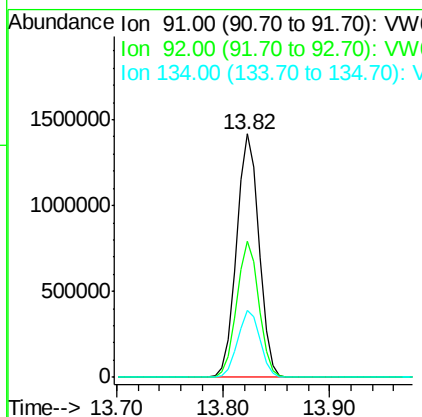
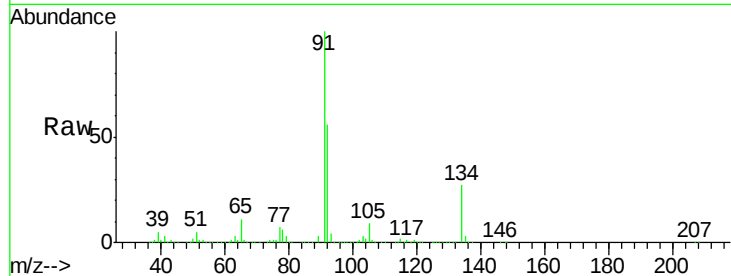
#89
n-Butylbenzene
Concen: 147.496 ug/l
RT: 13.82 min Scan# 1955
Delta R.T. -0.00 min
Lab File: VW013182.D
Acq: 20 Sep 2019 14:53

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC150

Tot Ion	Ratio	Lower	Upper
91	100		
92	55.3	27.6	82.8
134	27.5	13.7	41.1

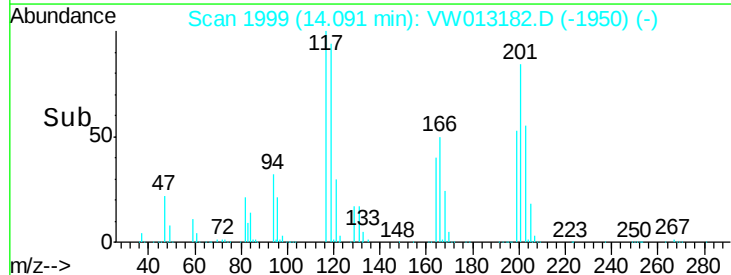
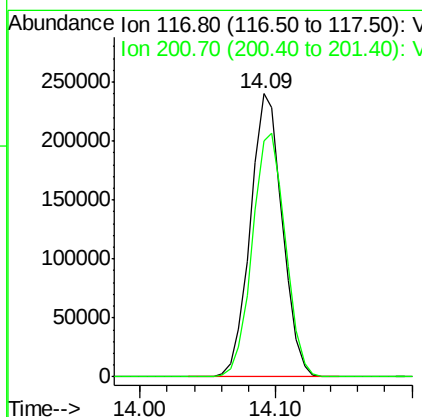
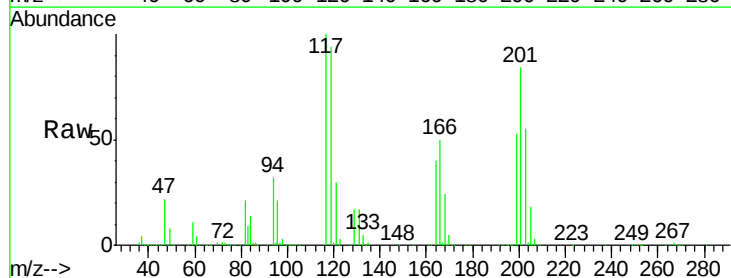
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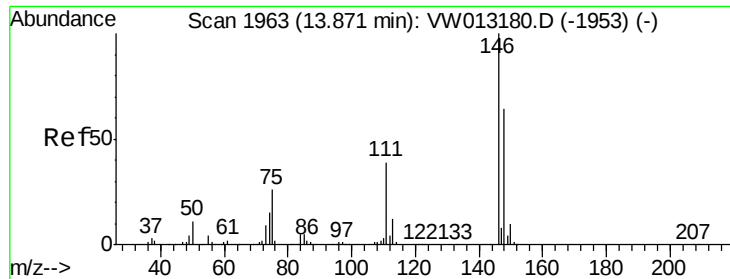
MMDadoda
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#90
Hexachloroethane
Concen: 151.570 ug/l
RT: 14.09 min Scan# 1999
Delta R.T. -0.00 min
Lab File: VW013182.D
Acq: 20 Sep 2019 14:53

Tgt Ion	Ratio	Lower	Upper
117	100		
201	88.8	44.5	133.5





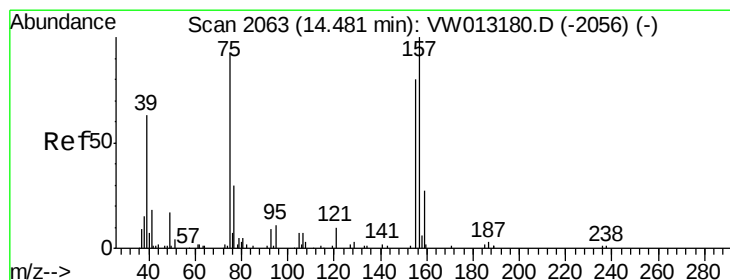
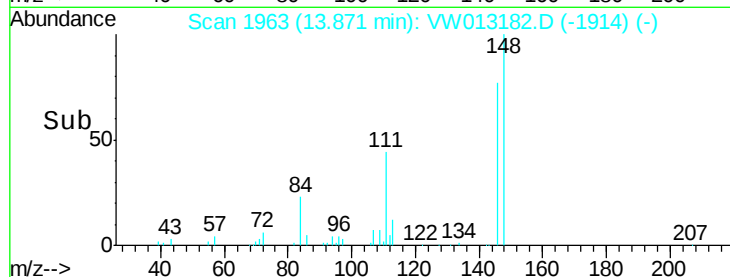
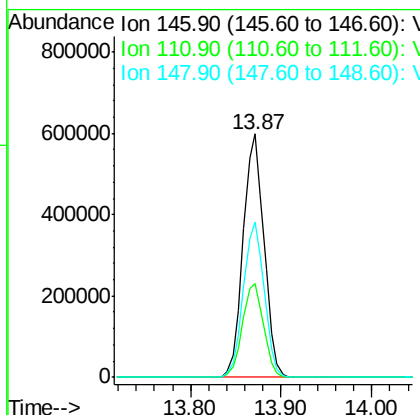
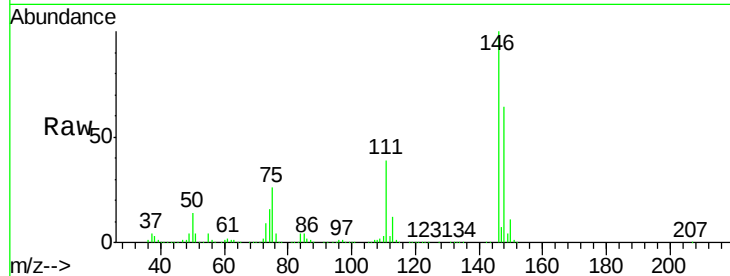
#91
 1,2-Dichlorobenzene
 Concen: 146.163 ug/l
 RT: 13.87 min Scan# 1963
 Delta R.T. -0.00 min
 Lab File: VW013182.D
 Acq: 20 Sep 2019 14:53

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC150

Tot Ion	Ratio	Resp	Lower	Upper
146	100	952708		
111	39.1	20.1	60.3	
148	63.8	32.0	96.0	

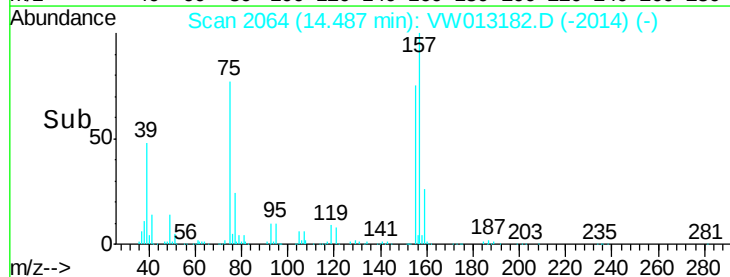
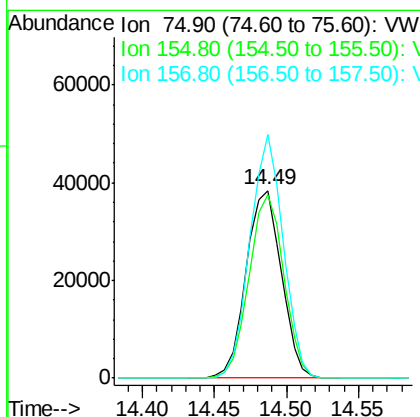
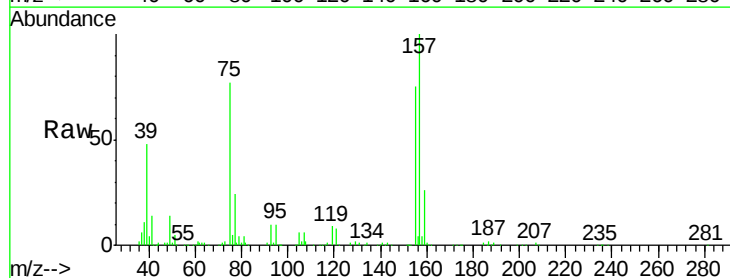
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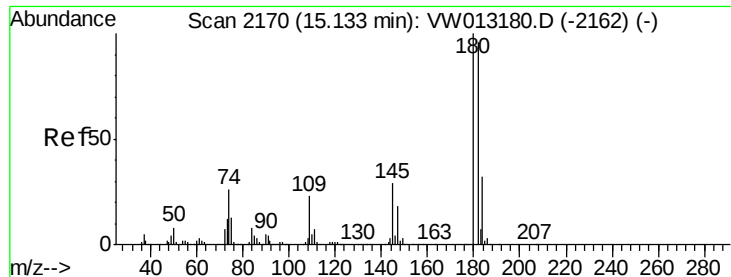
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 153.631 ug/l
 RT: 14.49 min Scan# 2064
 Delta R.T. 0.01 min
 Lab File: VW013182.D
 Acq: 20 Sep 2019 14:53

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	64923		
155	96.1	46.1	138.3	
157	122.3	60.4	181.2	





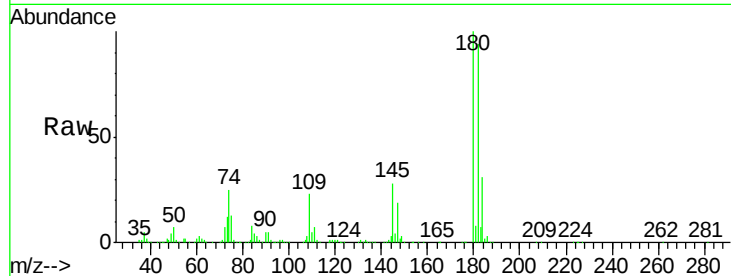
#93
 1,2,4-Trichlorobenzene
 Concen: 161.323 ug/l
 RT: 15.13 min Scan# 2170
 Delta R.T. -0.00 min
 Lab File: VW013182.D
 Acq: 20 Sep 2019 14:53

Instrument :
 MSVOA_W
 ClientSampled :
 VSTDIC150

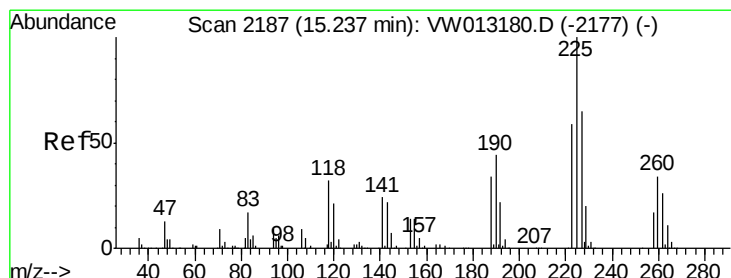
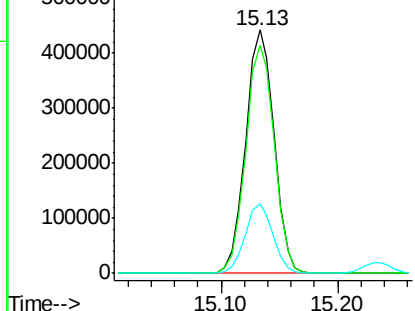
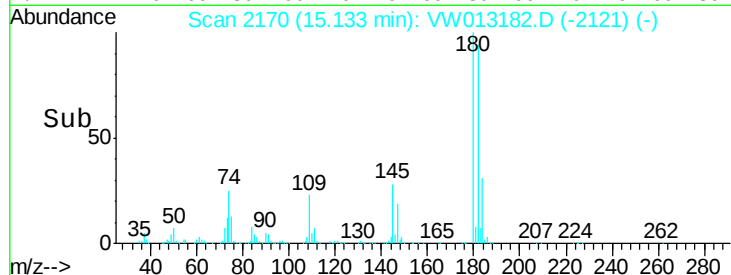
Tot Ion	Ratio	Resp	Lower	Upper
180	100	753495		
182	94.0	47.3	142.0	
145	28.2	14.2	42.8	

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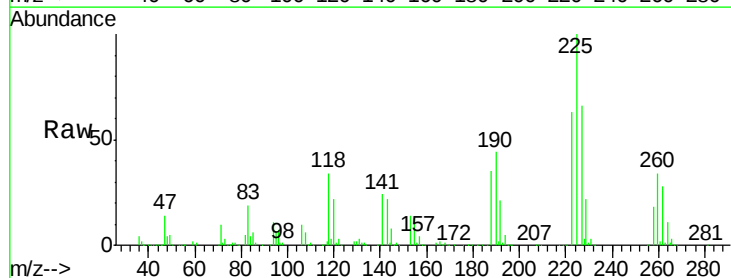


Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

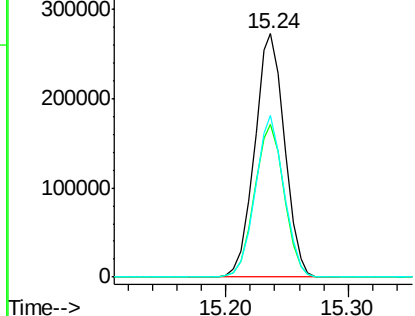
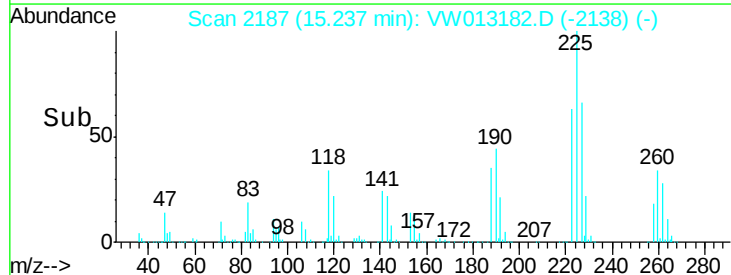


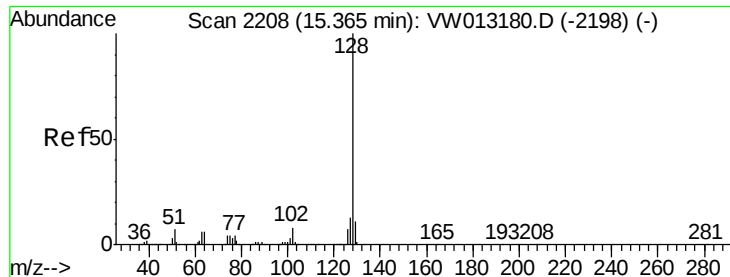
#94
 Hexachlorobutadiene
 Concen: 145.283 ug/l
 RT: 15.24 min Scan# 2187
 Delta R.T. -0.00 min
 Lab File: VW013182.D
 Acq: 20 Sep 2019 14:53

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	464244		
223	62.1	30.6	91.8	
227	63.5	31.9	95.9	



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





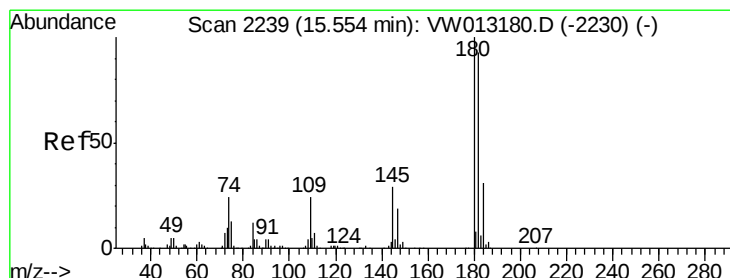
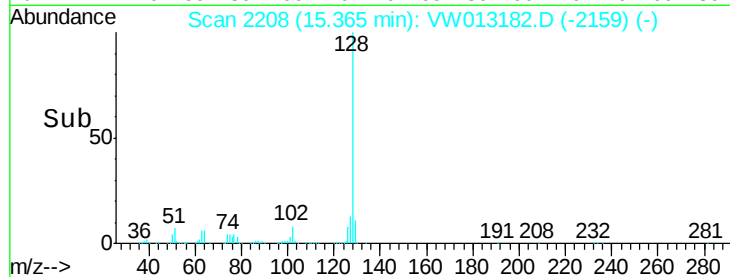
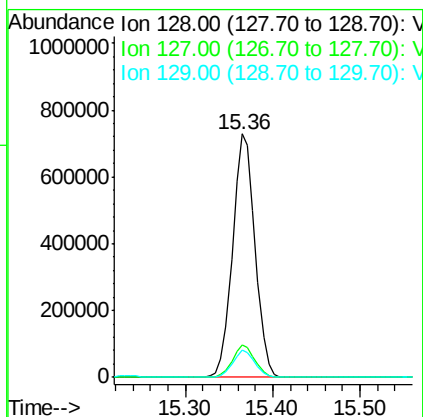
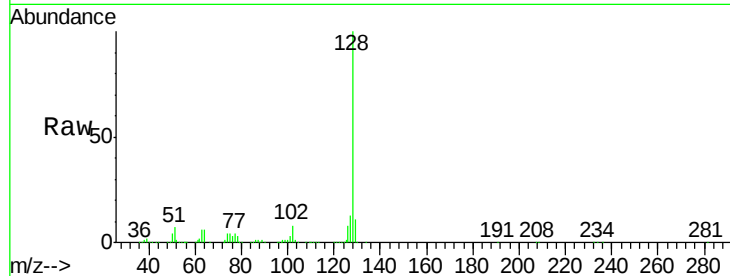
#95
Naphthalene
Concen: 170.133 ug/l
RT: 15.36 min Scan# 2208
Delta R.T. -0.00 min
Lab File: VW013182.D
Acq: 20 Sep 2019 14:53

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC150

Tot Ion	Ratio	Lower	Upper
128	100		
127	13.1	10.6	15.8
129	10.9	8.7	13.1

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#96
1,2,3-Trichlorobenzene
Concen: 159.676 ug/l
RT: 15.55 min Scan# 2239
Delta R.T. -0.00 min
Lab File: VW013182.D
Acq: 20 Sep 2019 14:53

Tgt Ion	Ratio	Lower	Upper
180	100		
182	96.1	47.9	143.7
145	30.2	15.0	45.0

