

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW093019\
 Data File : VW013325.D
 Acq On : 30 Sep 2019 10:50
 Operator : SY/VA
 Sample : VSTDCCC050
 Misc : 5.00G/5ML/MSVOA W/SOIL
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

MMDadoda
 10/1/2019 11:33:17 AM

Quant Time: Sep 30 17:34:07 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W092019S.M
 Quant Title : SW846 8260
 QLast Update : Fri Sep 20 15:58:08 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	367742	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	518162	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	446204	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	225941	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.31	65	148265	49.40	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.80%	
35) Dibromofluoromethane	7.88	113	153356	53.81	ug/l	0.00
Spiked Amount	50.000		Recovery	=	107.62%	
50) Toluene-d8	10.32	98	647322	54.27	ug/l	0.00
Spiked Amount	50.000		Recovery	=	108.54%	
62) 4-Bromofluorobenzene	12.62	95	219109	53.78	ug/l	0.00
Spiked Amount	50.000		Recovery	=	107.56%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.01	85	91988	43.365	ug/l	98
3) Chloromethane	2.21	50	118103	43.311	ug/l	99
4) Vinyl Chloride	2.36	62	169090	48.099	ug/l	99
5) Bromomethane	2.78	94	107216	48.126	ug/l	91
6) Chloroethane	2.92	64	99278	47.910	ug/l	99
7) Trichlorofluoromethane	3.25	101	97910	48.301	ug/l	94
8) Diethyl Ether	3.68	74	85477	49.367	ug/l	95
9) 1,1,2-Trichlorotrifluoroet	4.06	101	166870	50.563	ug/l	99
10) Methyl Iodide	4.27	142	258885	50.596	ug/l	99
11) Tert butyl alcohol	5.19	59	50691	233.975	ug/l	97
12) 1,1-Dichloroethene	4.03	96	173233	50.690	ug/l	100
13) Acrolein	3.90	56	38763	224.360	ug/l	97
14) Allyl chloride	4.67	41	279086	51.313	ug/l	99
15) Acrylonitrile	5.37	53	173596	232.288	ug/l	100
16) Acetone	4.14	43	188156	277.996	ug/l	95
17) Carbon Disulfide	4.38	76	509251	51.555	ug/l	99
18) Methyl Acetate	4.67	43	82603	43.417	ug/l	99
19) Methyl tert-butyl Ether	5.42	73	251552	48.027	ug/l	100
20) Methylene Chloride	4.91	84	178236	51.583	ug/l	98
21) trans-1,2-Dichloroethene	5.42	96	185987	50.353	ug/l	98
22) Diisopropyl ether	6.31	45	514134	49.710	ug/l	98
23) Vinyl Acetate	6.25	43	1503971	245.114	ug/l	100
24) 1,1-Dichloroethane	6.21	63	314815	50.443	ug/l	99
25) 2-Butanone	7.17	43	237215	233.472	ug/l	99
26) 2,2-Dichloropropane	7.16	77	201134	54.138	ug/l	100
27) cis-1,2-Dichloroethene	7.17	96	198063	50.811	ug/l	99
28) Bromochloromethane	7.51	49	122957	51.332	ug/l #	96
29) Tetrahydrofuran	7.53	42	140845	226.039	ug/l	100
30) Chloroform	7.67	83	297478	48.685	ug/l	98
31) Cyclohexane	7.95	56	316821	48.699	ug/l	99
32) 1,1,1-Trichloroethane	7.87	97	253516	51.228	ug/l	99
36) 1,1-Dichloropropene	8.08	75	261440	52.093	ug/l	99
37) Ethyl Acetate	7.25	43	100797	47.256	ug/l	97
38) Carbon Tetrachloride	8.07	117	237307	52.747	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.34	83	341178	52.899	ug/l	98
40) Benzene	8.32	78	726320	51.884	ug/l	98
41) Methacrylonitrile	7.48	41	59269	46.557	ug/l	96
42) 1,2-Dichloroethane	8.40	62	181561	48.247	ug/l	98
43) Isopropyl Acetate	8.42	43	194026	47.462	ug/l	99
44) Trichloroethene	9.09	130	204954	52.182	ug/l	100
45) 1,2-Dichloropropane	9.37	63	175229	51.271	ug/l	98
46) Dibromomethane	9.46	93	83669	50.425	ug/l	99
47) Bromodichloromethane	9.64	83	219838	52.068	ug/l	99
48) Methyl methacrylate	9.43	41	97083	50.504	ug/l	94
49) 1,4-Dioxane	9.46	88	23812	956.037	ug/l #	86
51) 4-Methyl-2-Pentanone	10.21	43	481512	234.950	ug/l	99
52) Toluene	10.38	92	468991	52.274	ug/l	99
53) t-1,3-Dichloropropene	10.60	75	229592	52.928	ug/l	98
54) cis-1,3-Dichloropropene	10.07	75	279753	53.042	ug/l	98
55) 1,1,2-Trichloroethane	10.79	97	124055	50.020	ug/l	98
56) Ethyl methacrylate	10.65	69	165668	51.041	ug/l	97
57) 1,3-Dichloropropane	10.93	76	215505	49.795	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.92	63	380591	253.286	ug/l	100
59) 2-Hexanone	10.97	43	358692	254.392	ug/l	100
60) Dibromochloromethane	11.13	129	150041	53.279	ug/l	100
61) 1,2-Dibromoethane	11.23	107	117116	49.666	ug/l	98
64) Tetrachloroethene	10.86	164	178781	52.808	ug/l	98
65) Chlorobenzene	11.66	112	484758	52.026	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.73	131	170428	53.540	ug/l	99
67) Ethyl Benzene	11.73	91	892612	52.872	ug/l	100
68) m/p-Xylenes	11.83	106	689681	107.205	ug/l	99
69) o-Xylene	12.16	106	315021	52.669	ug/l	98
70) Styrene	12.18	104	546580	53.229	ug/l	99
71) Bromoform	12.35	173	89156	53.016	ug/l #	98
73) Isopropylbenzene	12.46	105	884887	53.017	ug/l	100
74) N-amyl acetate	12.27	43	180123	48.634	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.71	83	133528	47.836	ug/l	100
76) 1,2,3-Trichloropropane	12.77	75	104117m	52.180	ug/l	
77) Bromobenzene	12.74	156	206590	52.233	ug/l	99
78) n-propylbenzene	12.80	91	1039545	53.210	ug/l	100
79) 2-Chlorotoluene	12.89	91	575492	52.580	ug/l	100
80) 1,3,5-Trimethylbenzene	12.94	105	738774	52.656	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.51	75	46541	52.338	ug/l	94
82) 4-Chlorotoluene	12.99	91	600016	51.985	ug/l	99
83) tert-Butylbenzene	13.21	119	661099	53.685	ug/l	98
84) 1,2,4-Trimethylbenzene	13.25	105	731859	52.421	ug/l	99
85) sec-Butylbenzene	13.38	105	908656	53.521	ug/l	99
86) p-Isopropyltoluene	13.50	119	843133	53.543	ug/l	99
87) 1,3-Dichlorobenzene	13.50	146	398901	52.404	ug/l	100
88) 1,4-Dichlorobenzene	13.58	146	393329	52.687	ug/l	100
89) n-Butylbenzene	13.82	91	776934	54.034	ug/l	100
90) Hexachloroethane	14.09	117	145829	55.127	ug/l	96
91) 1,2-Dichlorobenzene	13.87	146	342886	52.068	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.48	75	19755	46.270	ug/l	92

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QLast Update : Fri Sep 20 15:58:08 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.13	180	258461	54.771	ug/l	99
94) Hexachlorobutadiene	15.24	225	170989	52.964	ug/l	98
95) Naphthalene	15.36	128	414869	53.754	ug/l	100
96) 1,2,3-Trichlorobenzene	15.55	180	220360	54.043	ug/l	100

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

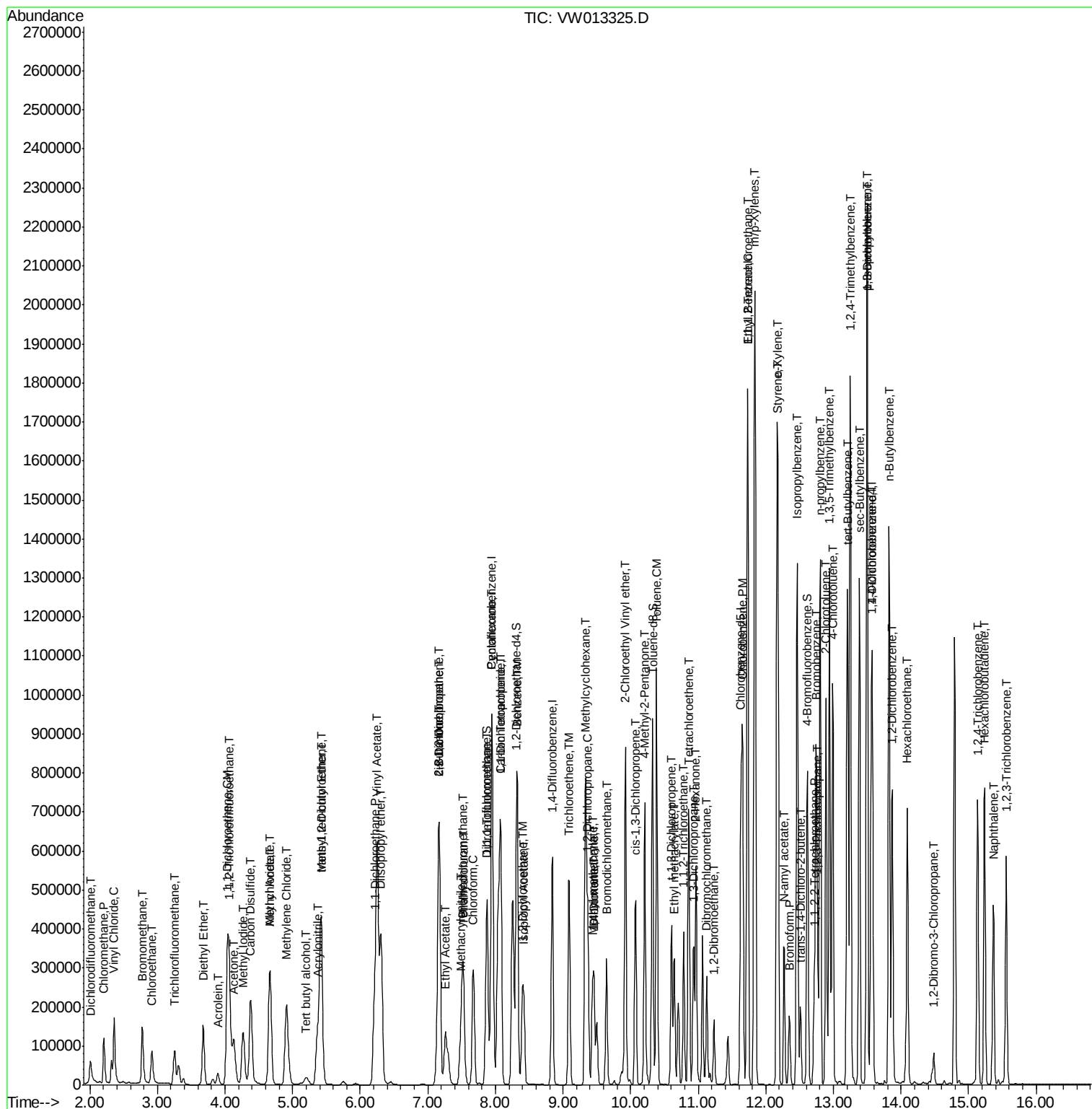
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW093019\
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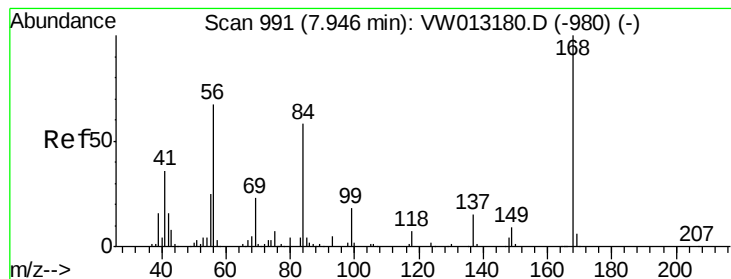
Instrument :
MSVOA_W
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.00 min

Lab File: VW013325.D

Acq: 30 Sep 2019 10:50

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

Tot Ion:168 Resp: 367742

Ion Ratio Lower Upper

168 100

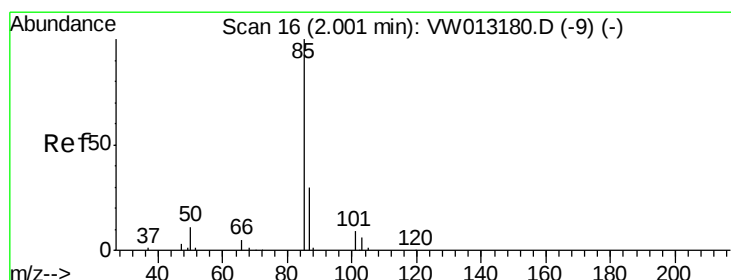
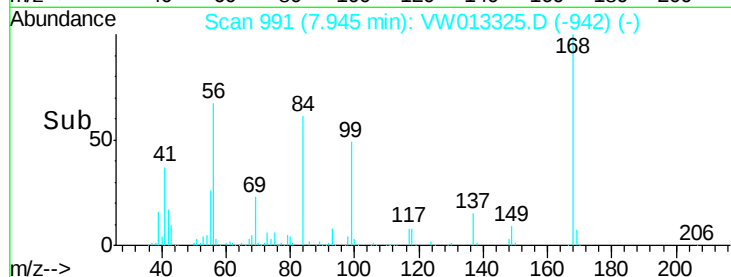
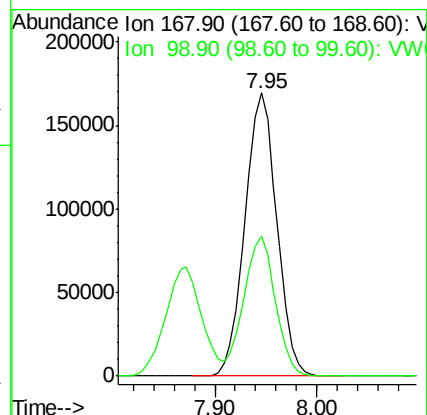
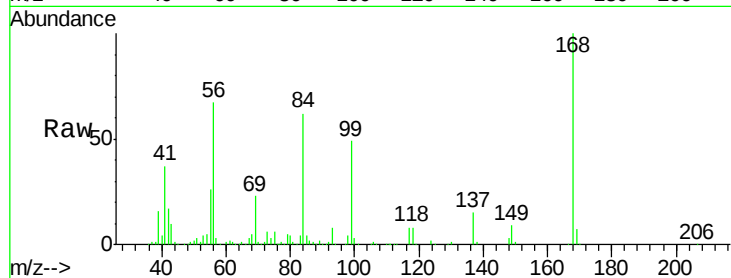
99 49.3 40.2 60.4

Manual Integrations

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10/1/2019 11:33:17 AM



#2

Dichlorodifluoromethane

Concen: 43.365 ug/l

RT: 2.01 min Scan# 17

Delta R.T. 0.01 min

Lab File: VW013325.D

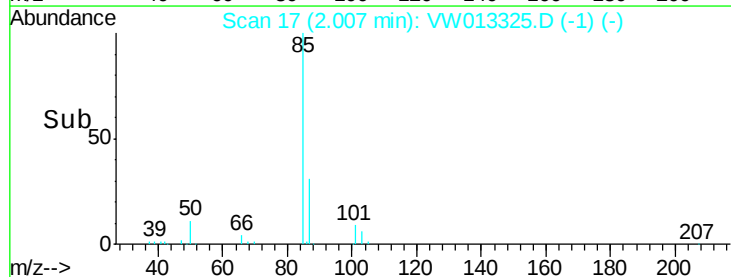
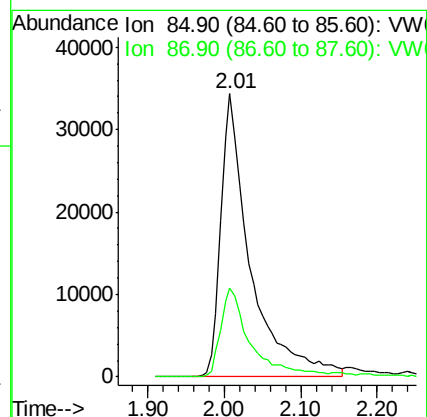
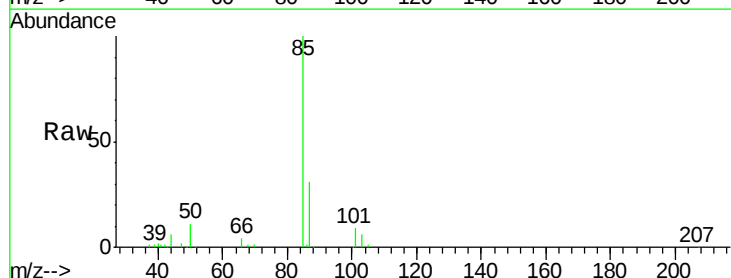
Acq: 30 Sep 2019 10:50

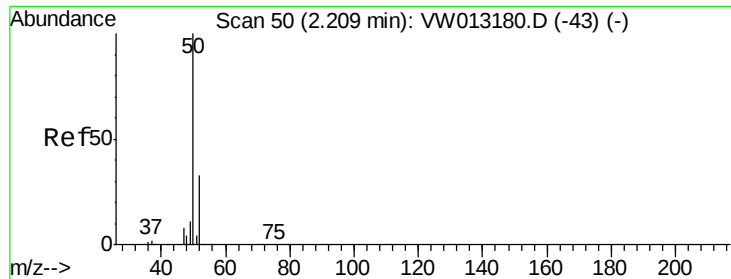
Tgt Ion: 85 Resp: 91988

Ion Ratio Lower Upper

85 100

87 31.3 15.1 45.3





#3

Chloromethane

Concen: 43.311 ug/l

RT: 2.21 min Scan# 50

Delta R.T. -0.00 min

Lab File: VW013325.D

Acq: 30 Sep 2019 10:50

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

Tot Ion: 50 Resp: 118103

Ion Ratio Lower Upper

50 100

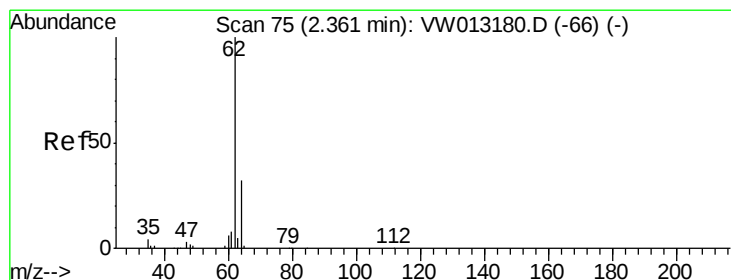
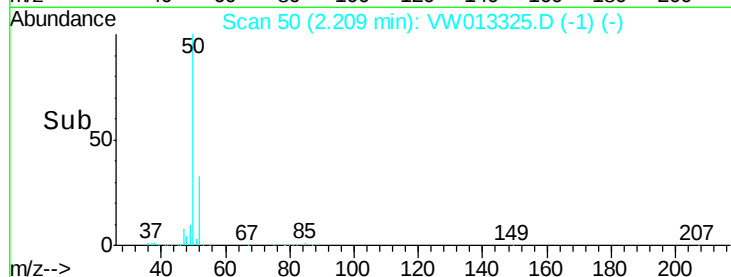
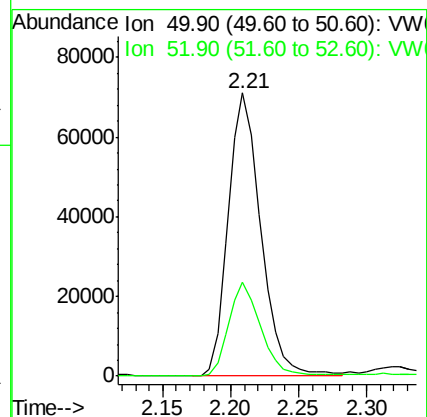
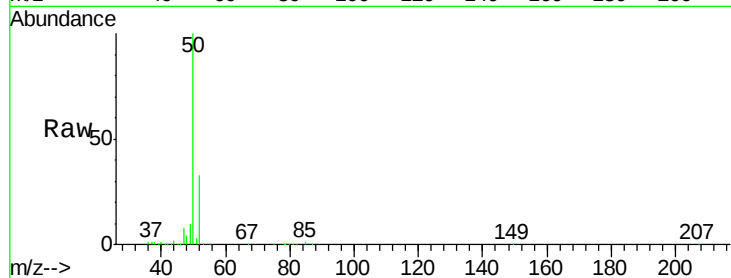
52 33.4 26.1 39.1

Manual Integrations

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10/1/2019 11:33:17 AM



#4

Vinyl Chloride

Concen: 48.099 ug/l

RT: 2.36 min Scan# 75

Delta R.T. -0.00 min

Lab File: VW013325.D

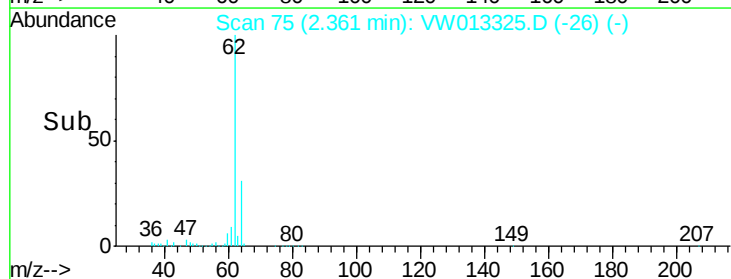
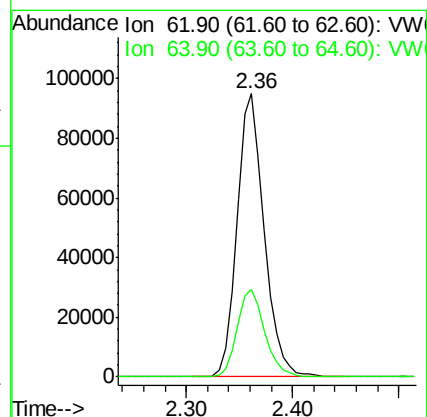
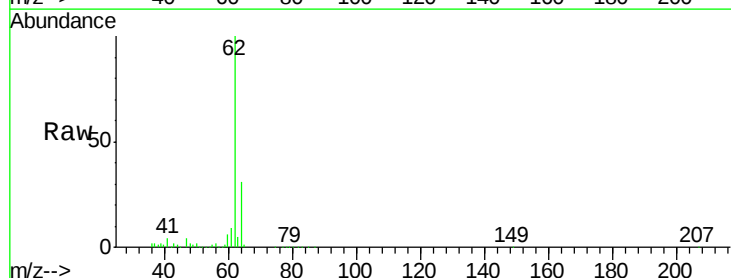
Acq: 30 Sep 2019 10:50

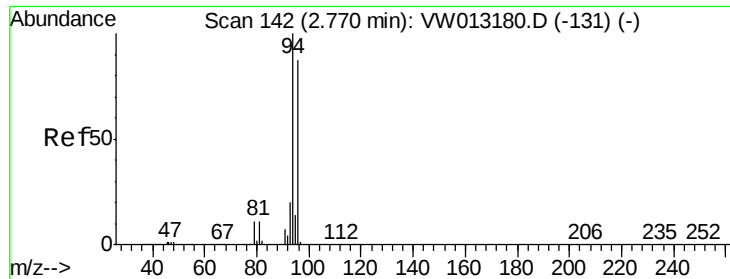
Tgt Ion: 62 Resp: 169090

Ion Ratio Lower Upper

62 100

64 31.0 25.3 37.9





#5

Bromomethane

Concen: 48.126 ug/l

RT: 2.78 min Scan# 143

Delta R.T. 0.01 min

Lab File: VW013325.D

Acq: 30 Sep 2019 10:50

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

Tot Ion: 94 Resp: 107216

Ion Ratio Lower Upper

94 100

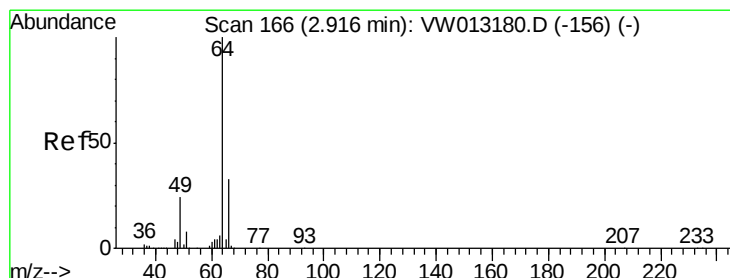
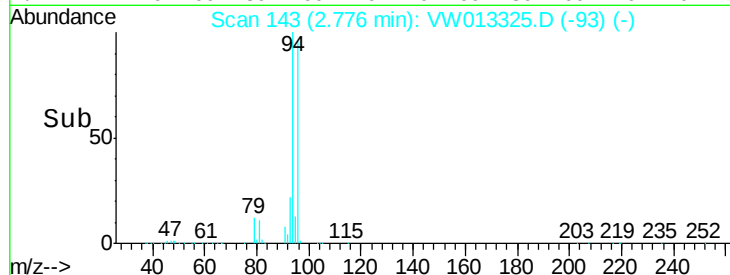
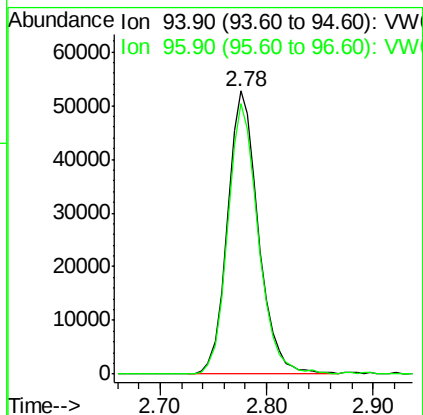
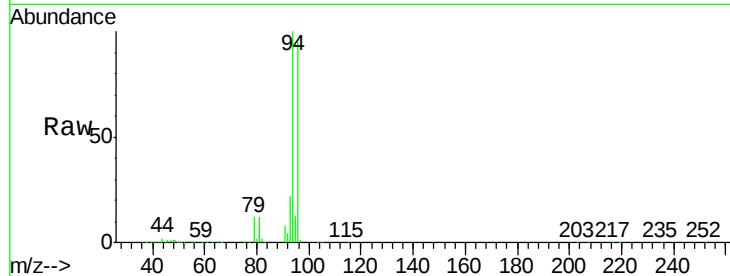
96 95.7 69.7 104.5

Manual Integrations

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#6

Chloroethane

Concen: 47.910 ug/l

RT: 2.92 min Scan# 167

Delta R.T. 0.01 min

Lab File: VW013325.D

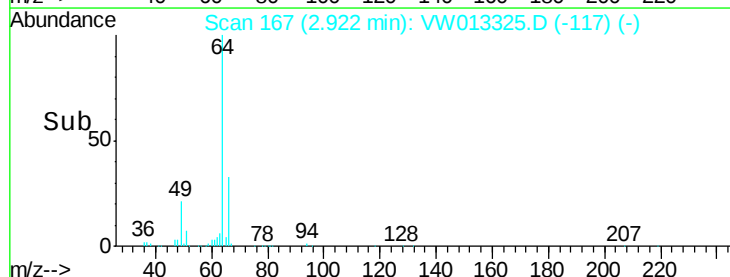
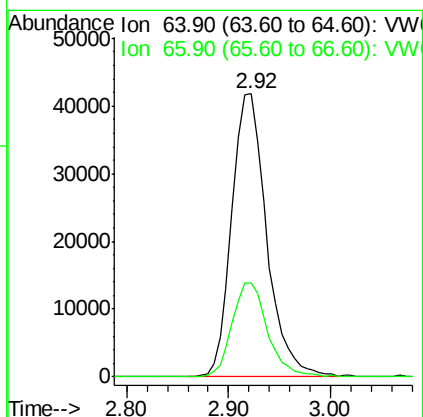
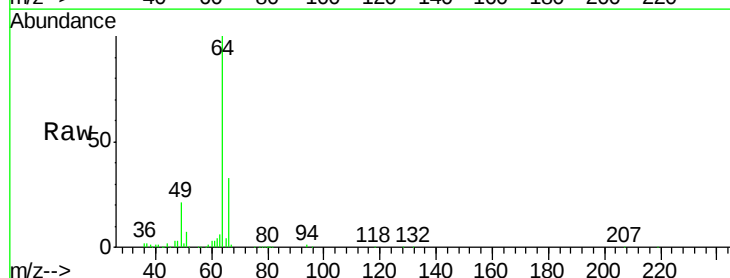
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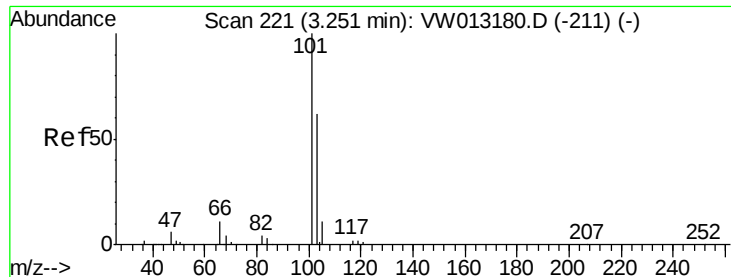
Tgt Ion: 64 Resp: 99278

Ion Ratio Lower Upper

64 100

66 32.9 26.6 39.8





#7

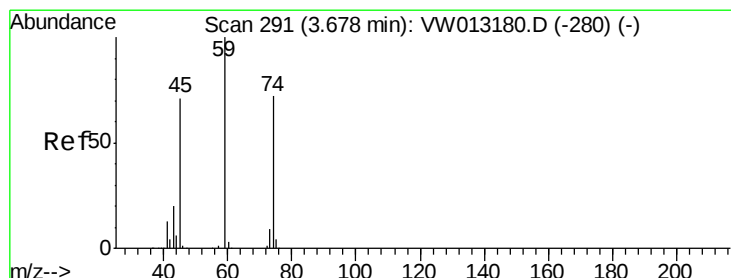
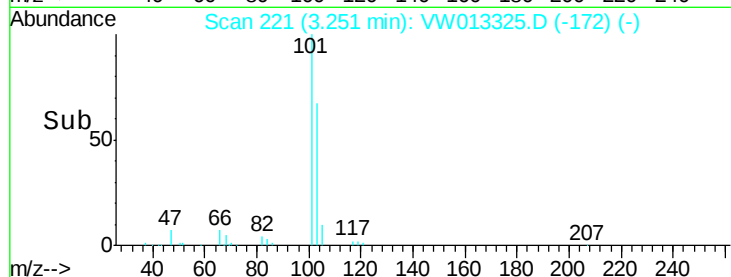
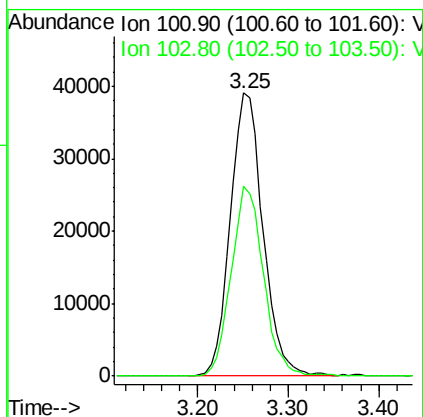
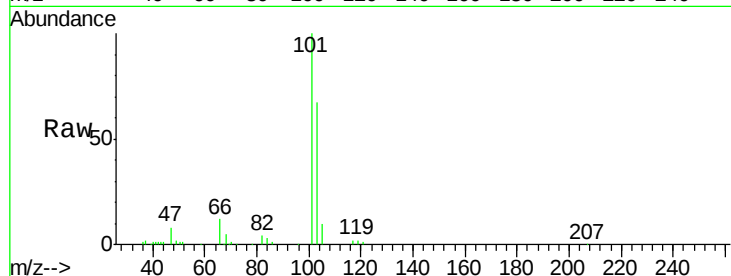
Trichlorofluoromethane
 Concen: 48.301 ug/l
 RT: 3.25 min Scan# 221
 Delta R.T. -0.00 min
 Lab File: VW013325.D
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Tot Ion	Ion	Ratio	Resp	Lower	Upper
101	100		97910		
103	67.0	49.7	74.5		

Manual Integrations
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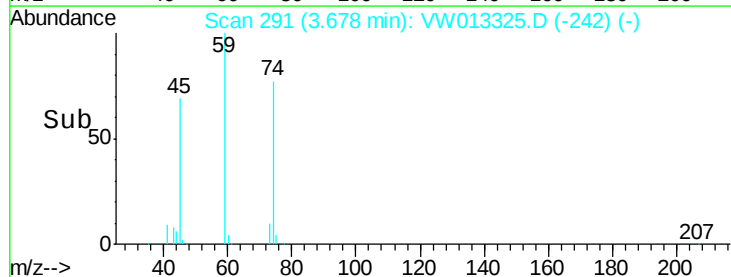
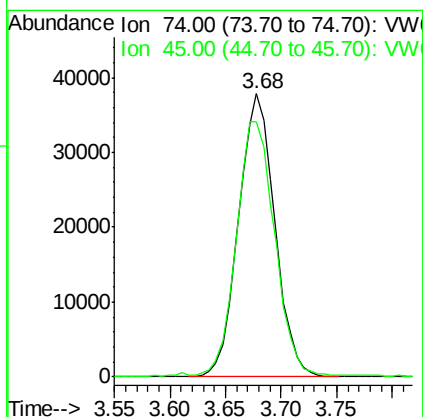
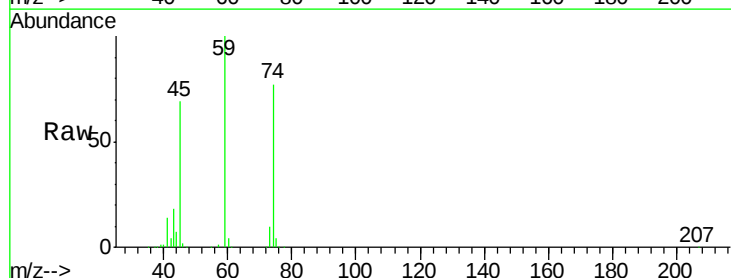
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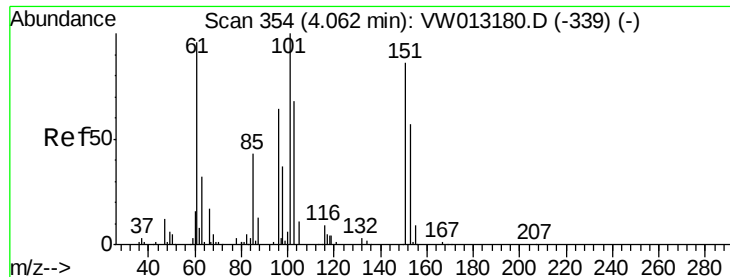


#8

Diethyl Ether
 Concen: 49.367 ug/l
 RT: 3.68 min Scan# 291
 Delta R.T. -0.00 min
 Lab File: VW013325.D
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Tgt Ion	Ion	Ratio	Resp	Lower	Upper
74	100		85477		
45	94.5	49.5	148.7		





#9

1,1,2-Trichlorotrifluoroethane

Concen: 50.563 ug/l

RT: 4.06 min Scan# 354

Delta R.T. -0.00 min

Lab File: VW013325.D

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Instrument :

MSVOA_W

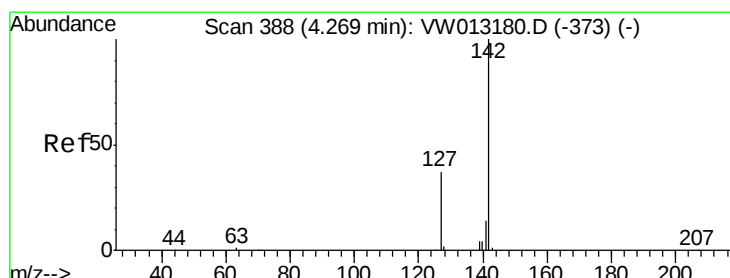
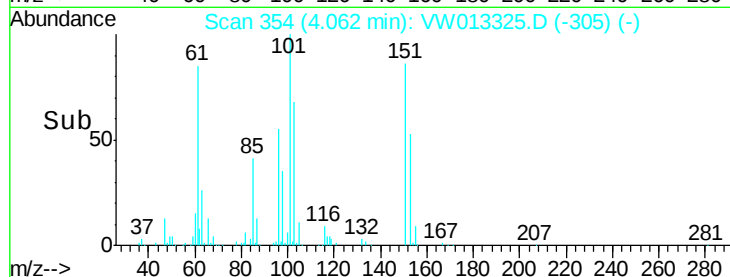
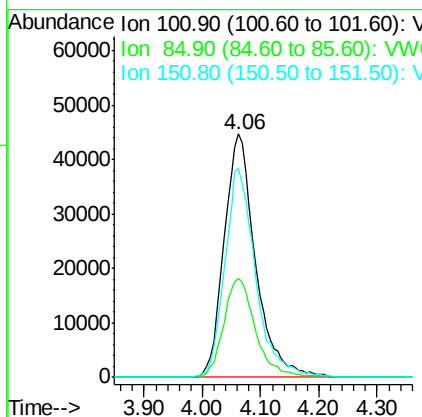
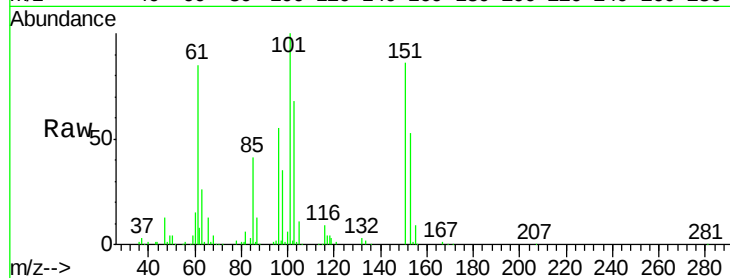
ClientSampleId :

VSTDCCC050

Tot Ion:	101	Resp:	166870
Ion Ratio	Lower	Upper	
101	100		
85	41.2	33.4	50.0
151	84.7	66.9	100.3

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#10

Methyl Iodide

Concen: 50.596 ug/l

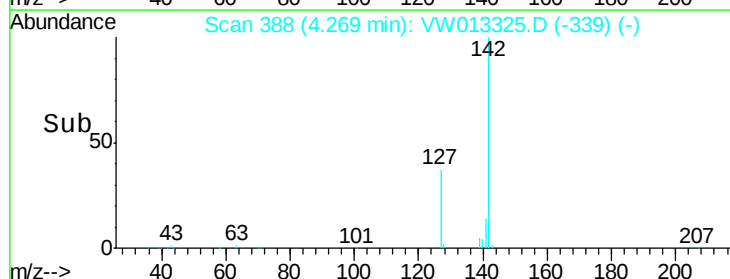
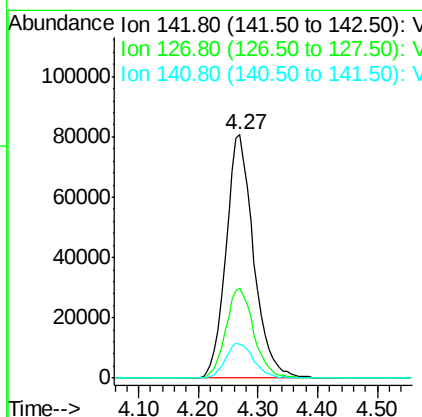
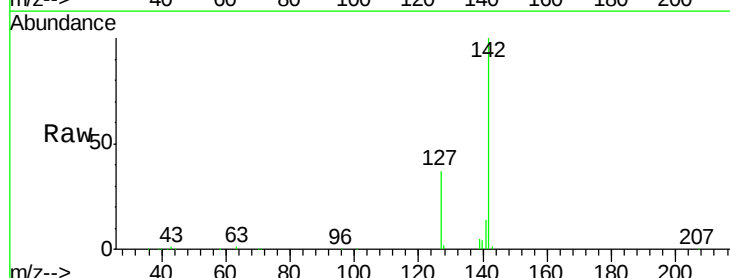
RT: 4.27 min Scan# 388

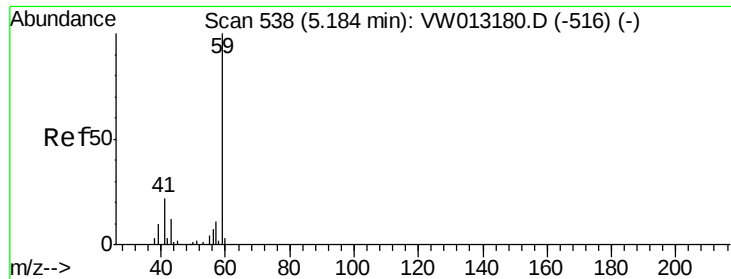
Delta R.T. -0.00 min

Lab File: VW013325.D

Acq: 30 Sep 2019 10:50

Tgt Ion:	142	Resp:	258885
Ion Ratio	Lower	Upper	
142	100		
127	37.6	30.9	46.3
141	14.8	11.7	17.5





#11

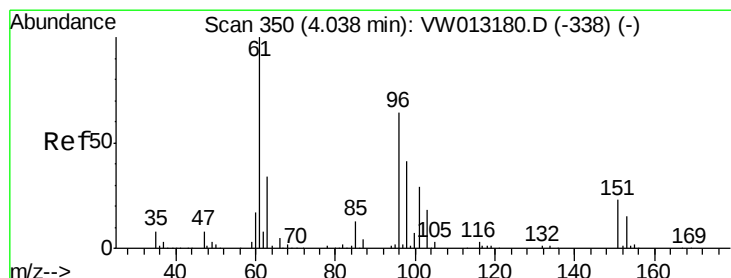
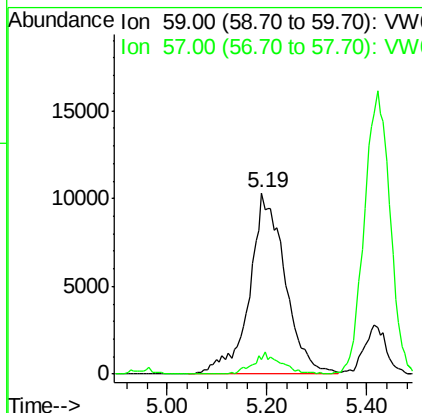
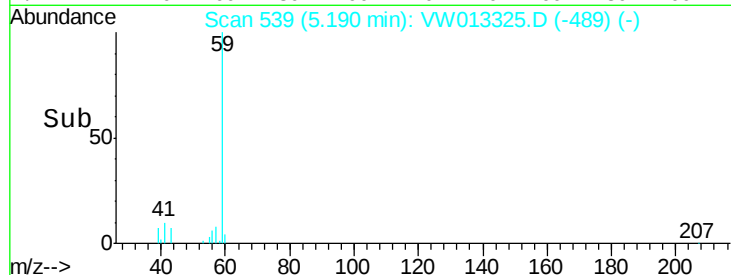
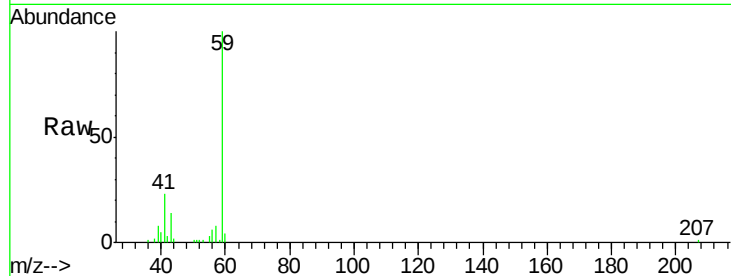
Tert butyl alcohol
Concen: 233.975 ug/l
RT: 5.19 min Scan# 539
Delta R.T. 0.01 min
Lab File: VW013325.D
Acq: 30 Sep 2019 10:50

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
59	100	50691		
57	9.1		8.2	12.2

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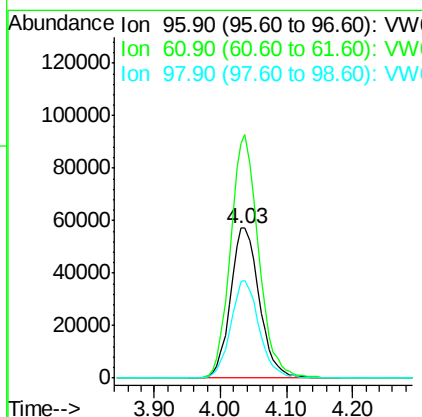
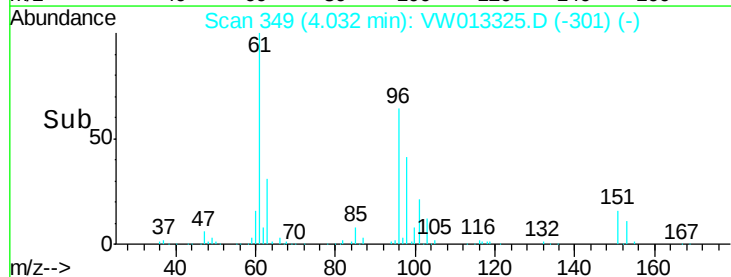
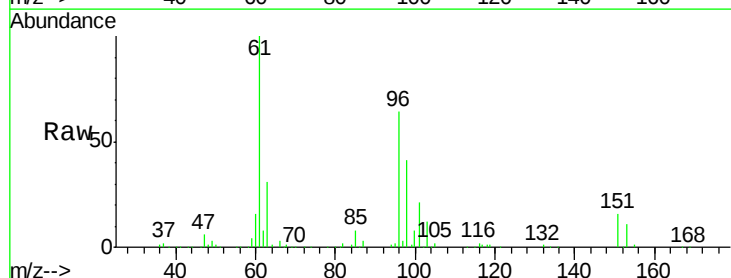
MMDadoda
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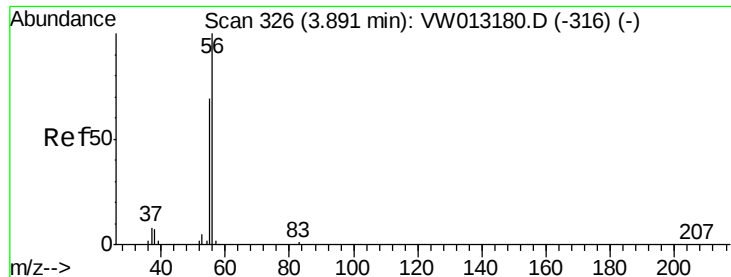


#12

1,1-Dichloroethene
Concen: 50.690 ug/l
RT: 4.03 min Scan# 349
Delta R.T. -0.01 min
Lab File: VW013325.D
Acq: 30 Sep 2019 10:50

Tgt Ion	Ratio	Resp	Lower	Upper
96	100	173233		
61	156.8		125.1	187.7
98	64.1		50.8	76.2





#13

Acrolein

Concen: 224.360 ug/l

RT: 3.90 min Scan# 327

Delta R.T. 0.01 min

Lab File: VW013325.D

Acq: 30 Sep 2019 10:50

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

Tot Ion: 56 Resp: 38763

Ion Ratio Lower Upper

56 100

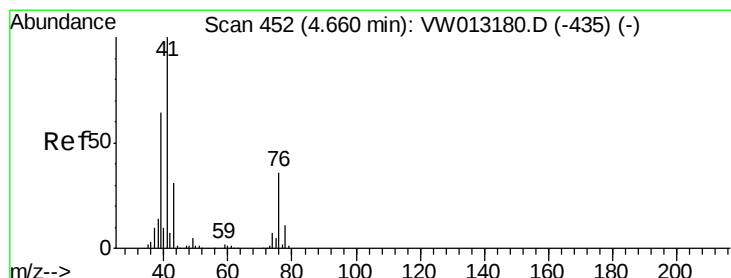
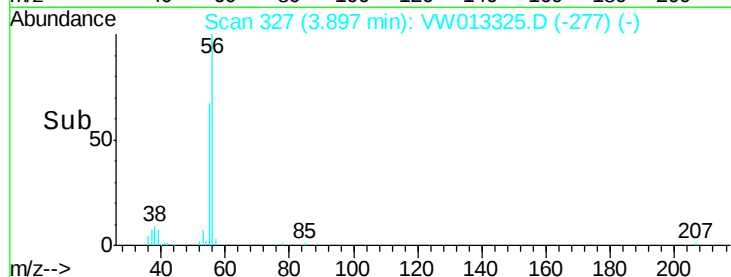
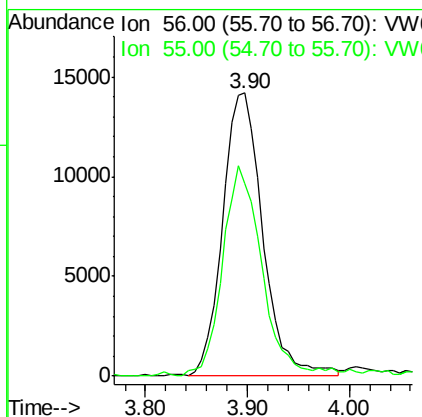
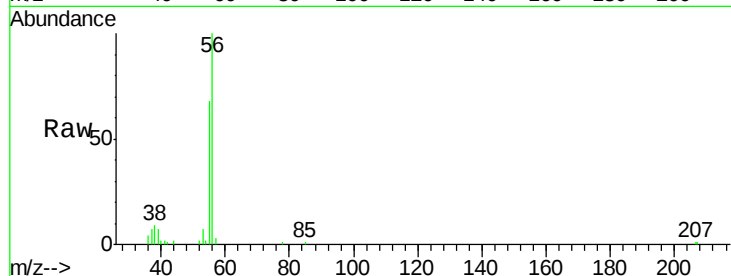
55 71.4 55.4 83.0

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#14

Allyl chloride

Concen: 51.313 ug/l

RT: 4.67 min Scan# 453

Delta R.T. 0.01 min

Lab File: VW013325.D

Acq: 30 Sep 2019 10:50

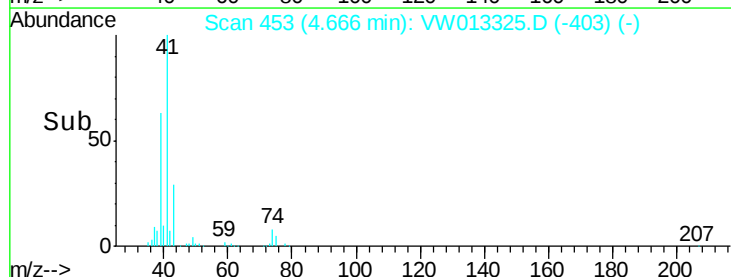
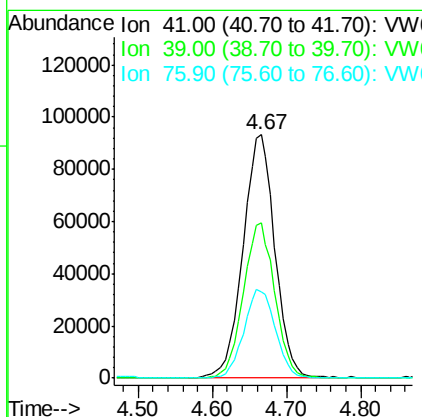
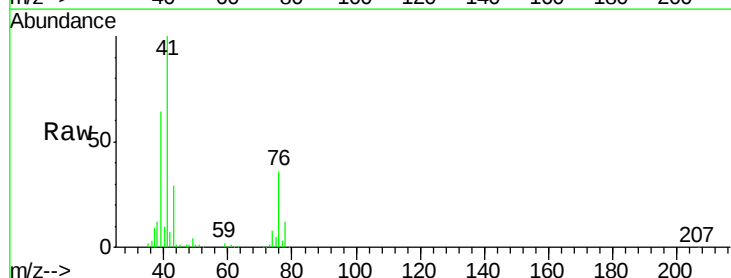
Tgt Ion: 41 Resp: 279086

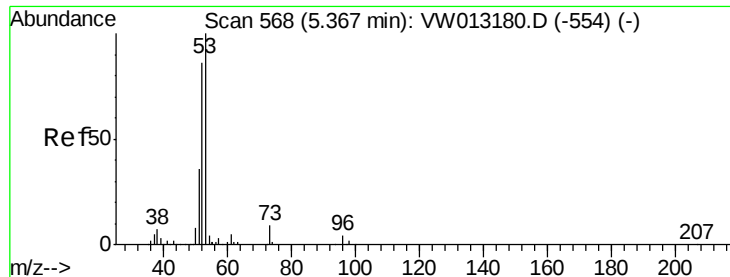
Ion Ratio Lower Upper

41 100

39 63.3 51.0 76.4

76 36.1 28.4 42.6





#15

Acrylonitrile

Concen: 232.288 ug/l

RT: 5.37 min Scan# 568

Delta R.T. -0.00 min

Lab File: VW013325.D

Acq: 30 Sep 2019 10:50

Instrument :

MSVOA_W

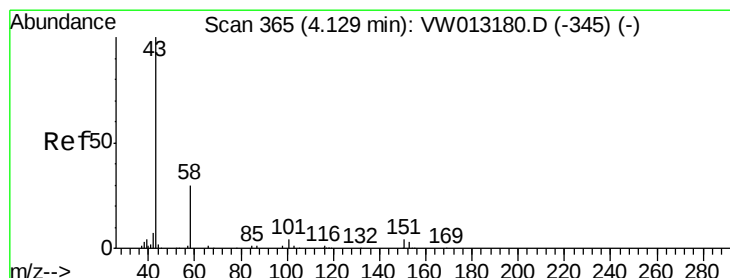
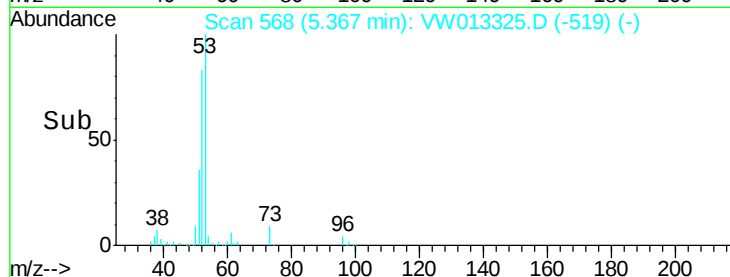
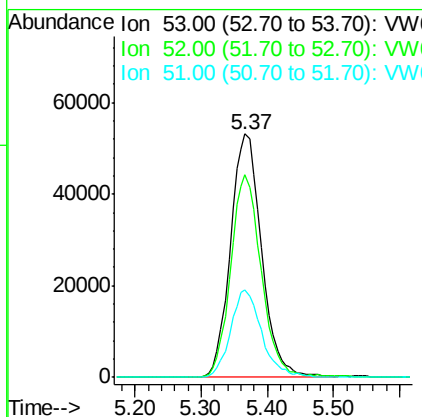
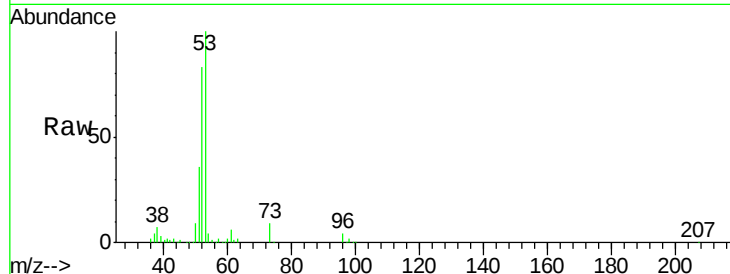
ClientSampleId :

VSTDCCC050

Tot Ion:	53	Resp:	173596
Ion Ratio	Lower	Upper	
53	100		
52	81.5	65.3	97.9
51	35.9	29.0	43.4

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#16

Acetone

Concen: 277.996 ug/l

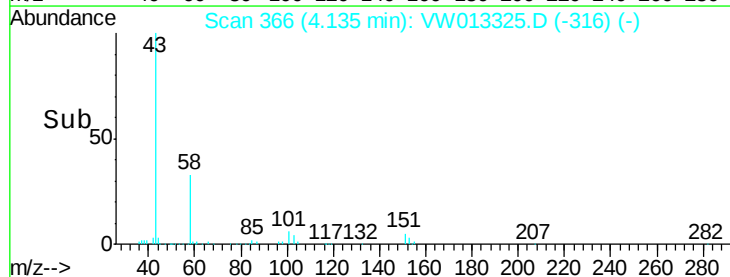
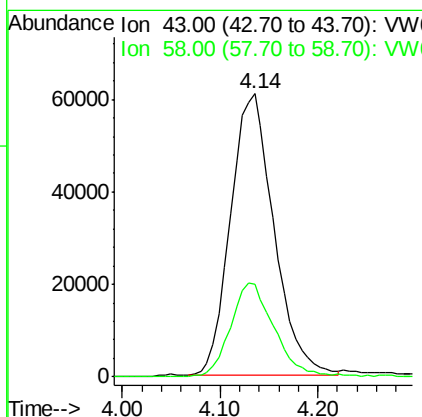
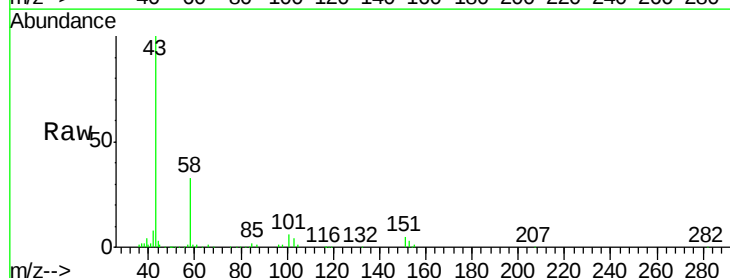
RT: 4.14 min Scan# 366

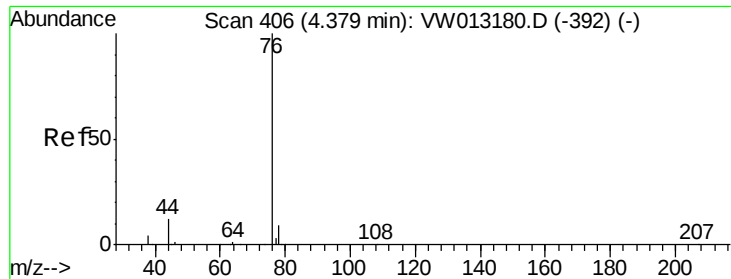
Delta R.T. 0.01 min

Lab File: VW013325.D

Acq: 30 Sep 2019 10:50

Tgt Ion:	43	Resp:	188156
Ion Ratio	Lower	Upper	
43	100		
58	32.6	24.1	36.1





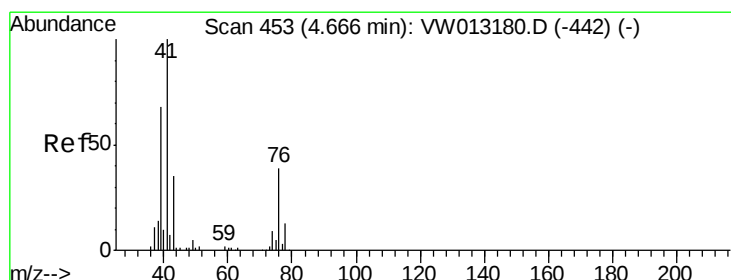
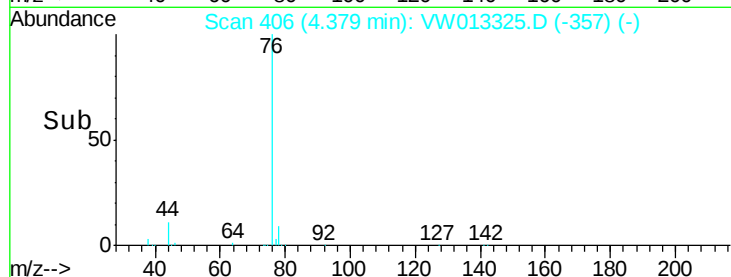
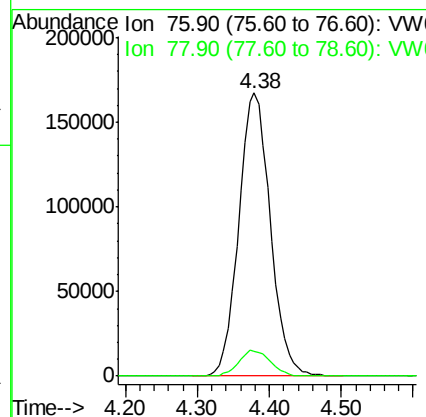
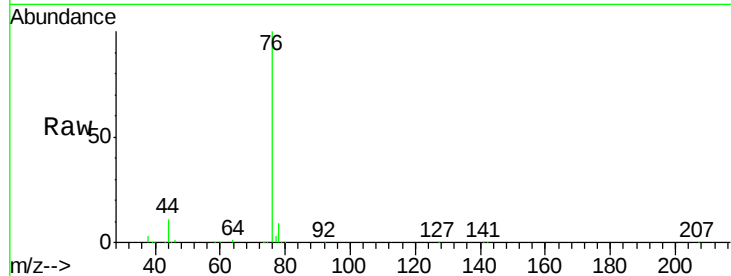
#17
Carbon Disulfide
Concen: 51.555 ug/l
RT: 4.38 min Scan# 406
Delta R.T. -0.00 min
Lab File: VW013325.D
Acq: 30 Sep 2019 10:50

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
76	100		
78	9.0	7.0	10.4

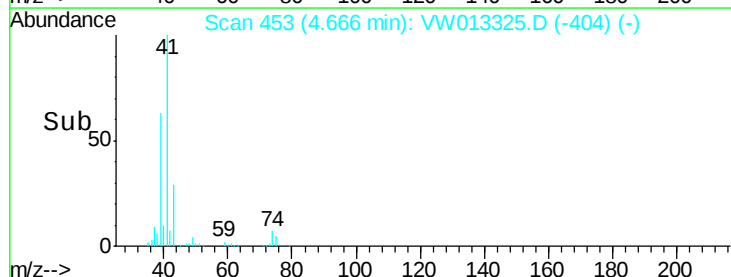
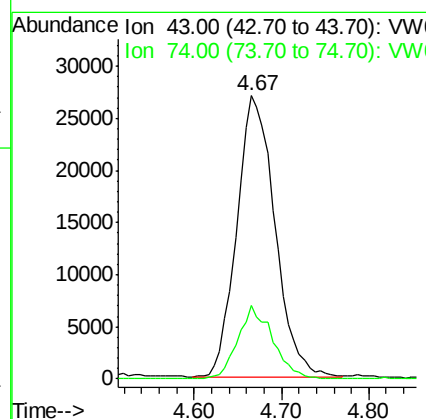
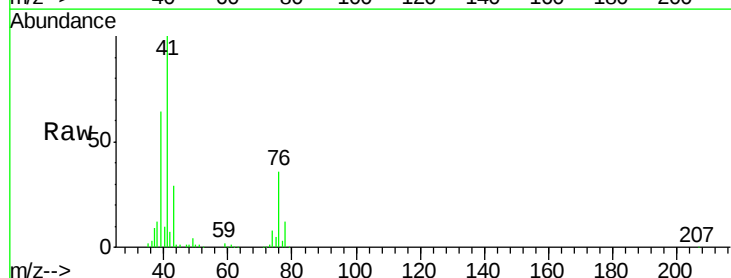
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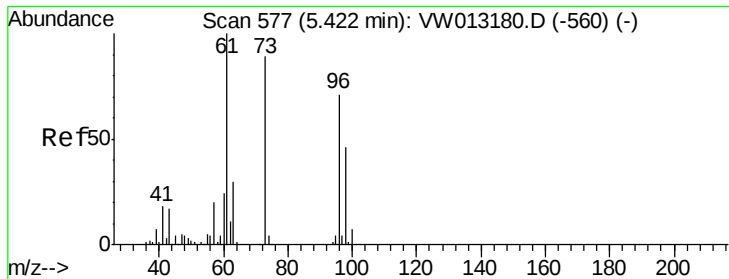
MMDadoda
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#18
Methyl Acetate
Concen: 43.417 ug/l
RT: 4.67 min Scan# 453
Delta R.T. -0.00 min
Lab File: VW013325.D
Acq: 30 Sep 2019 10:50

Tgt Ion	Ratio	Lower	Upper
43	100		
74	23.6	19.3	28.9





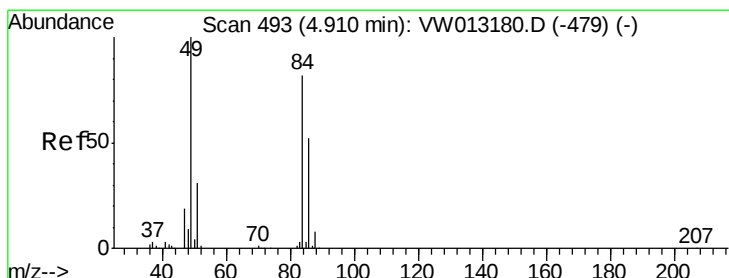
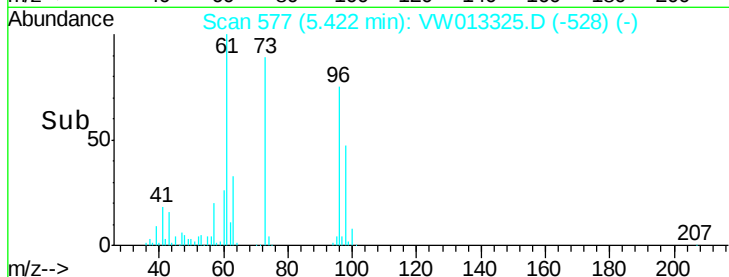
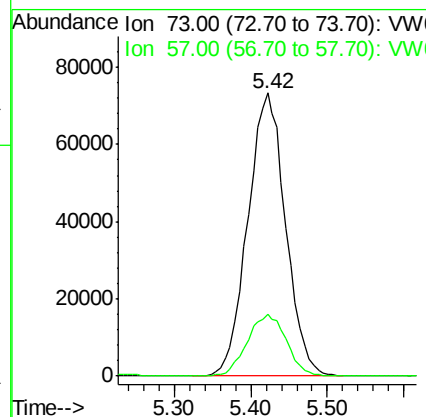
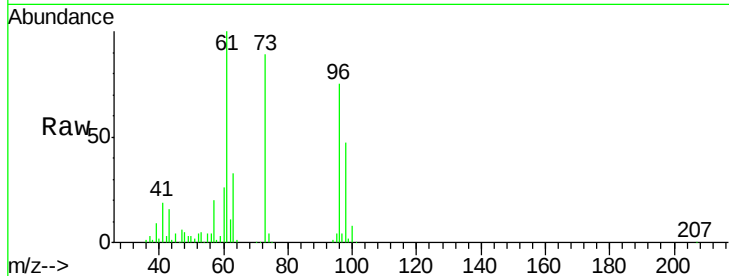
#19
Methvl tert-butvl Ether
Concen: 48.027 ug/l
RT: 5.42 min Scan# 577
Delta R.T. -0.00 min
Lab File: VW013325.D
Acq: 30 Sep 2019 10:50

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion: 73 Resp: 251552
Ion Ratio Lower Upper
73 100
57 22.0 17.6 26.4

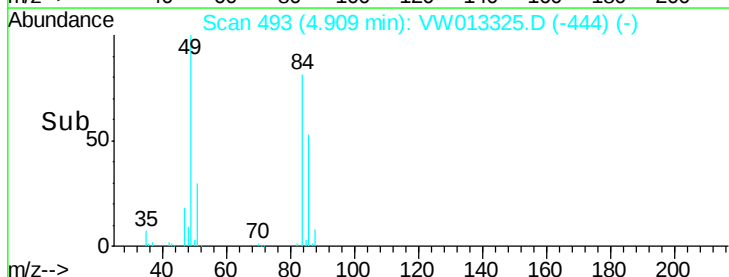
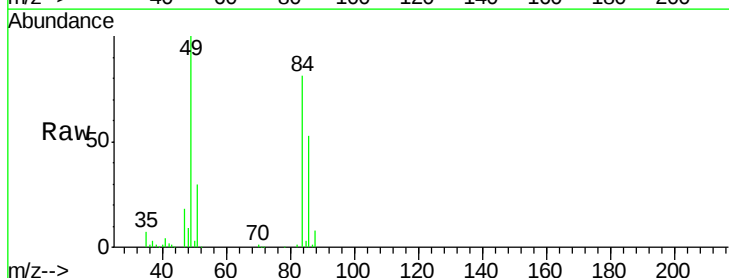
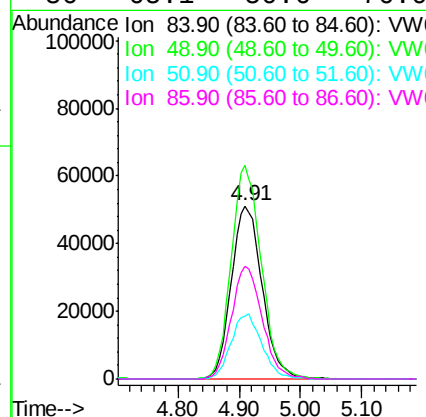
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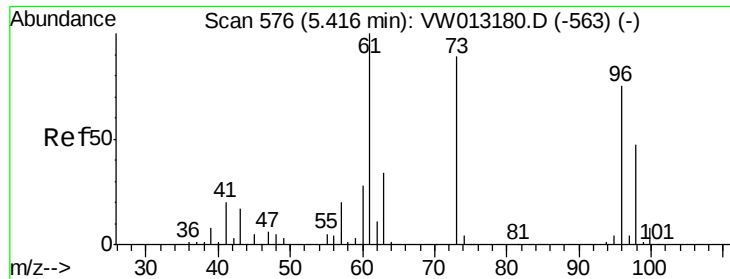
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#20
Methylene Chloride
Concen: 51.583 ug/l
RT: 4.91 min Scan# 493
Delta R.T. 0.00 min
Lab File: VW013325.D
Acq: 30 Sep 2019 10:50

Tgt Ion: 84 Resp: 178236
Ion Ratio Lower Upper
84 100
49 123.3 97.6 146.4
51 36.6 30.2 45.2
86 65.1 50.6 76.0





#21

trans-1,2-Dichloroethene

Concen: 50.353 ug/l

RT: 5.42 min Scan# 576

Delta R.T. -0.00 min

Lab File: VW013325.D

Acq: 30 Sep 2019 10:50

Instrument :

MSVOA_W

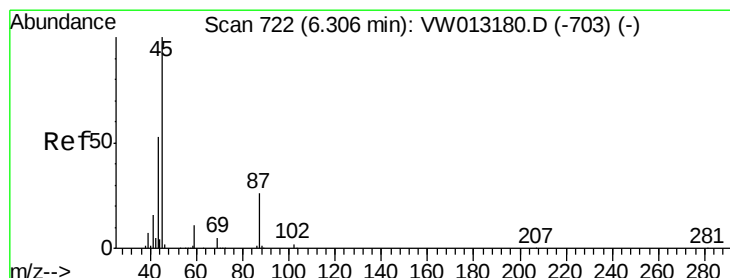
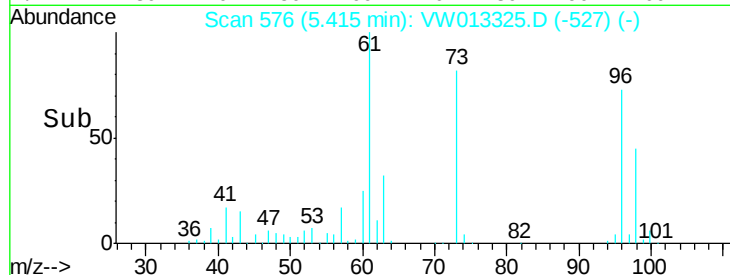
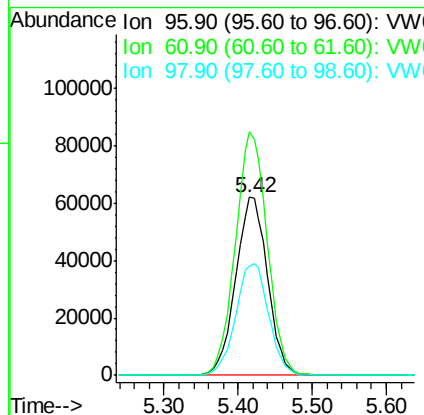
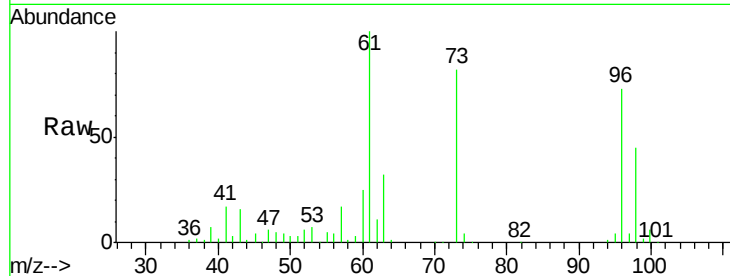
ClientSampled :

VSTDCCC050

Tot Ion:	96	Resp:	185987
Ion	Ratio	Lower	Upper
96	100		
61	136.6	106.6	159.8
98	61.6	49.8	74.8

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#22

Diisopropyl ether

Concen: 49.710 ug/l

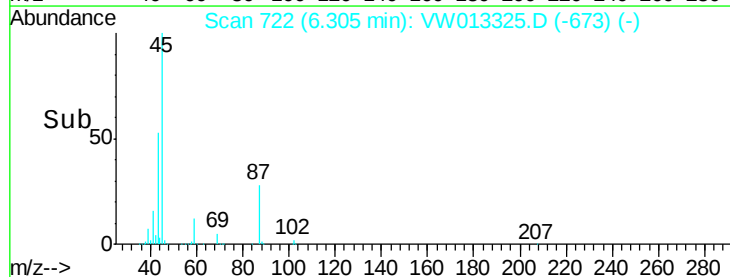
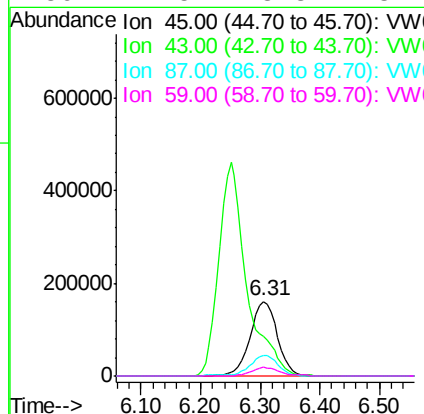
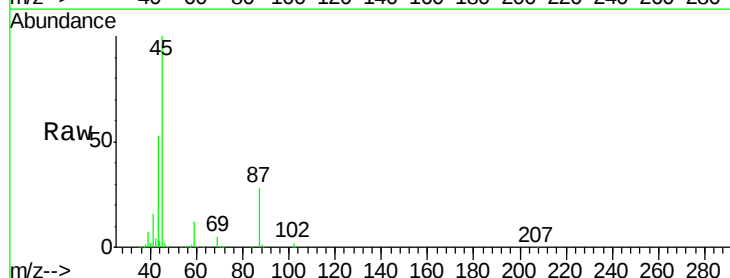
RT: 6.31 min Scan# 722

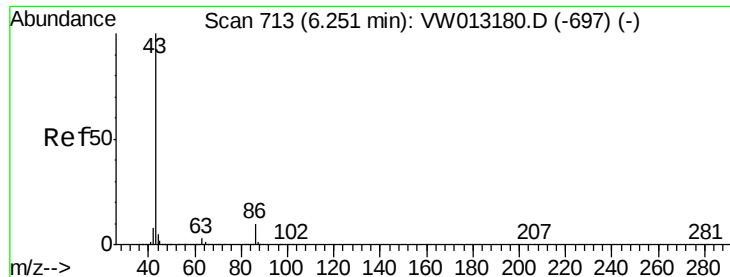
Delta R.T. -0.00 min

Lab File: VW013325.D

Acq: 30 Sep 2019 10:50

Tgt Ion:	45	Resp:	514134
Ion	Ratio	Lower	Upper
45	100		
43	52.6	42.4	63.6
87	27.9	20.4	30.6
59	11.5	8.8	13.2





#23

Vinyl Acetate

Concen: 245.114 ug/l

RT: 6.25 min Scan# 713

Delta R.T. -0.00 min

Lab File: VW013325.D

Acq: 30 Sep 2019 10:50

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 1503971

Ion Ratio Lower Upper

43 100

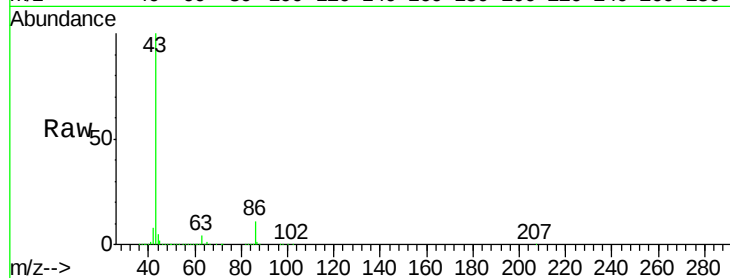
86 10.5 8.3 12.5

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Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 86.00 (85.70 to 86.70): VW

6.25

500000

400000

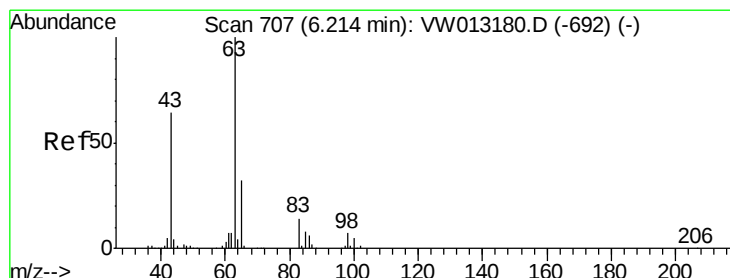
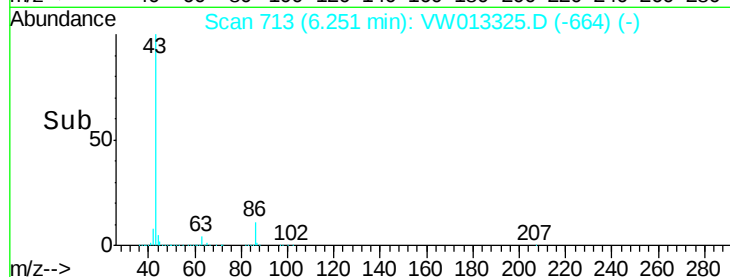
300000

200000

100000

0

Time-->



#24

1,1-Dichloroethane

Concen: 50.443 ug/l

RT: 6.21 min Scan# 707

Delta R.T. -0.00 min

Lab File: VW013325.D

Acq: 30 Sep 2019 10:50

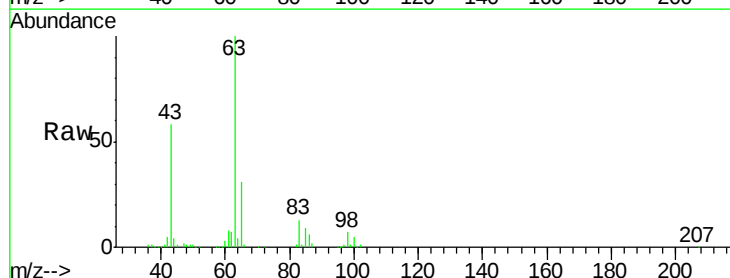
Tgt Ion: 63 Resp: 314815

Ion Ratio Lower Upper

63 100

98 7.4 3.5 10.5

100 4.5 2.4 7.1



Abundance Ion 62.90 (62.60 to 63.60): VW

Ion 97.90 (97.60 to 98.60): VW

Ion 99.90 (99.60 to 100.60): VW

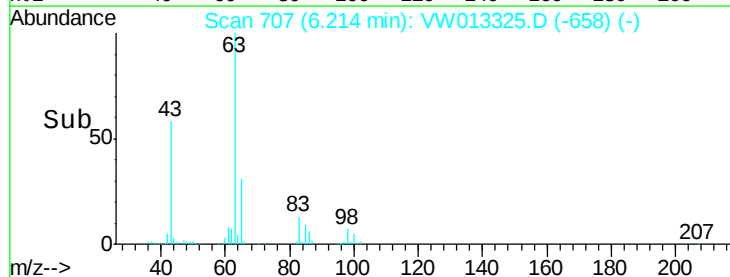
6.21

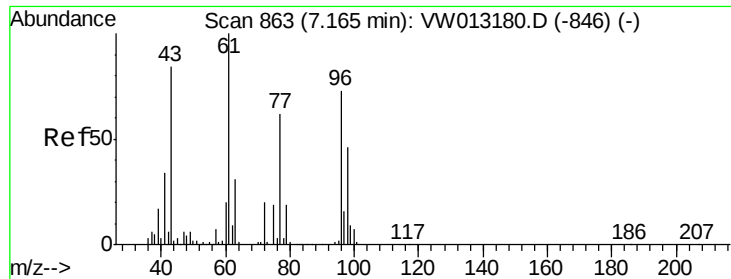
100000

50000

0

Time-->





#25

2-Butanone

Concen: 233.472 ug/l

RT: 7.17 min Scan# 864

Delta R.T. 0.01 min

Lab File: VW013325.D

Acq: 30 Sep 2019 10:50

Instrument :

MSVOA_W

ClientSampled :

VSTDCCC050

Tot Ion: 43 Resp: 237215

Ion Ratio Lower Upper

43 100

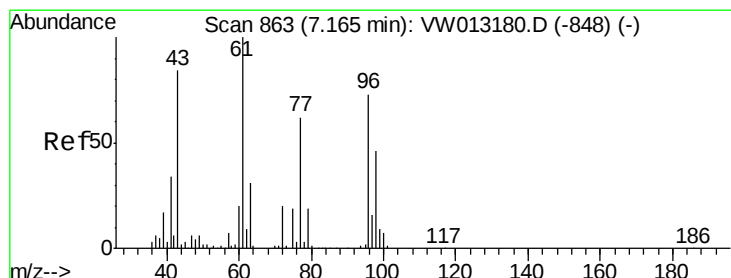
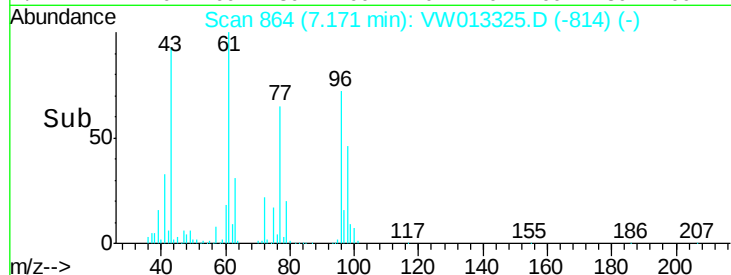
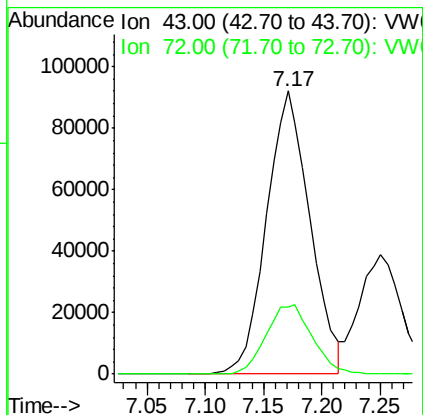
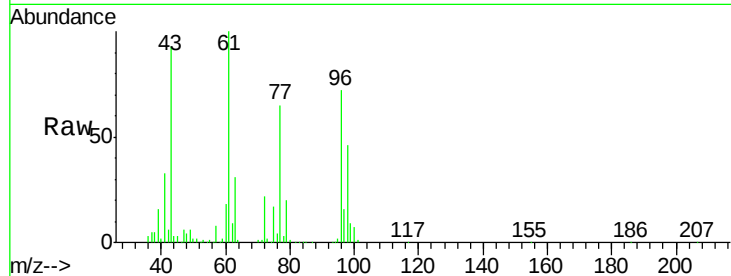
72 23.9 19.4 29.0

Manual Integrations

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MMDadoda

10/1/2019 11:33:17 AM



#26

2,2-Dichloropropane

Concen: 54.138 ug/l

RT: 7.16 min Scan# 862

Delta R.T. -0.01 min

Lab File: VW013325.D

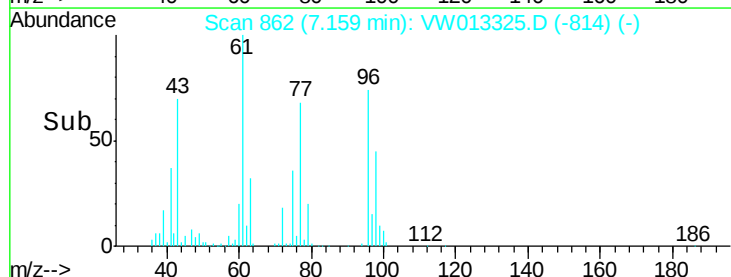
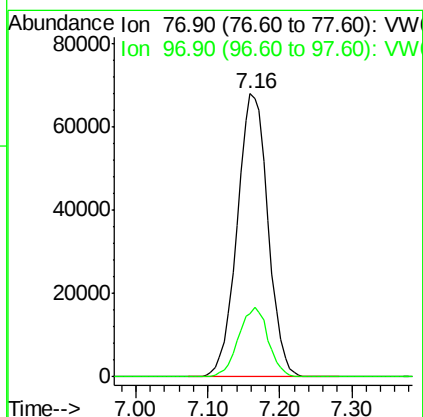
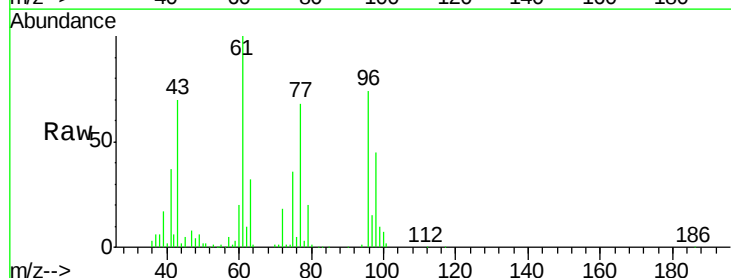
Acq: 30 Sep 2019 10:50

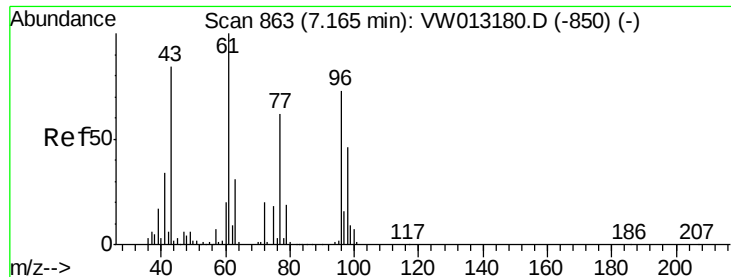
Tgt Ion: 77 Resp: 201134

Ion Ratio Lower Upper

77 100

97 23.8 11.8 35.4





#27

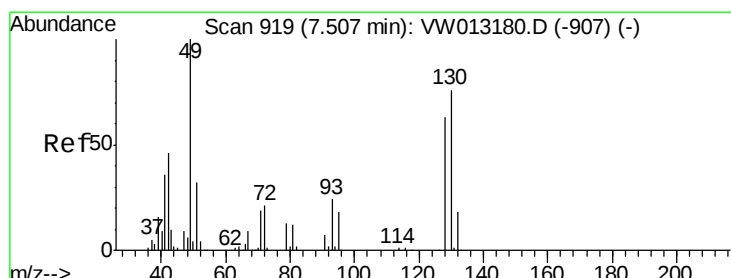
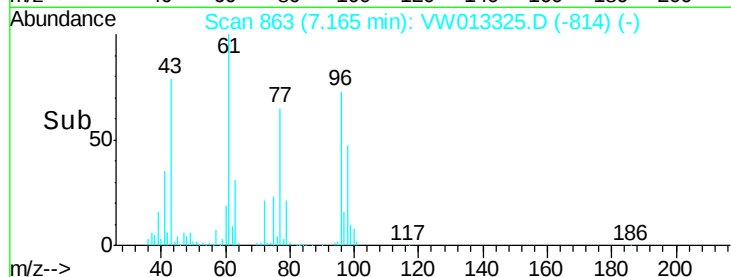
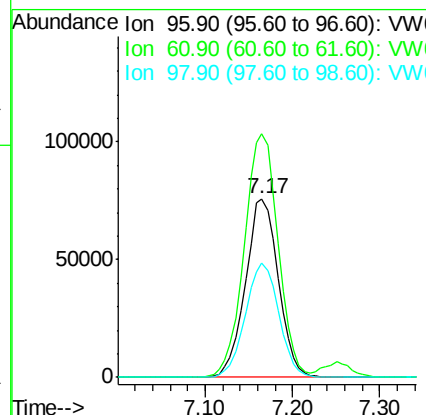
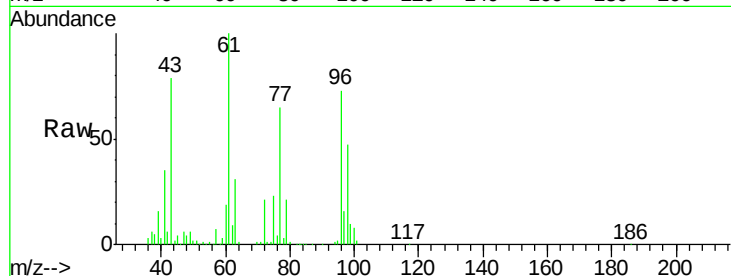
cis-1,2-Dichloroethene
Concen: 50.811 ug/l
RT: 7.17 min Scan# 863
Delta R.T. -0.00 min
Lab File: VW013325.D
Acq: 30 Sep 2019 10:50

Instrument :
MSVOA_W
ClientSampled :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
96	100	198063		
61	140.2	0.0	282.4	
98	65.0	0.0	128.2	

Manual Integrations
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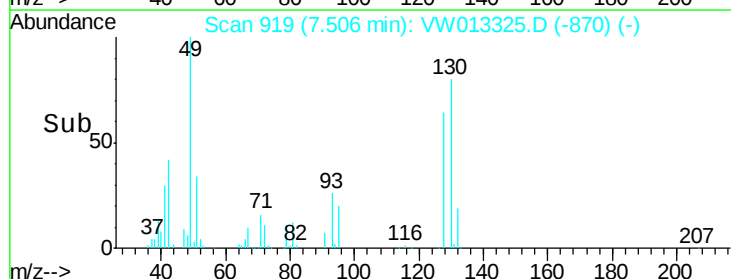
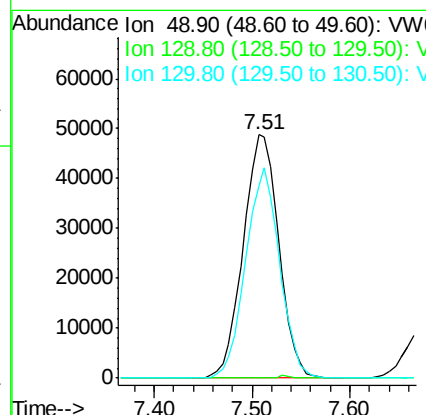
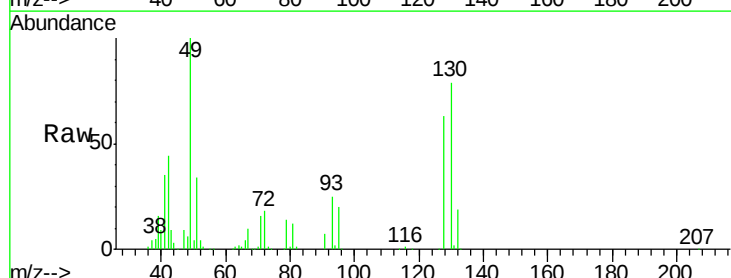
MMDadoda
10/1/2019 11:33:17 AM



#28

Bromochloromethane
Concen: 51.332 ug/l
RT: 7.51 min Scan# 919
Delta R.T. -0.00 min
Lab File: VW013325.D
Acq: 30 Sep 2019 10:50

Tgt Ion	Ratio	Resp	Lower	Upper
49	100	122957		
129	0.0	0.0	1.0	
130	82.7	63.4	95.2	





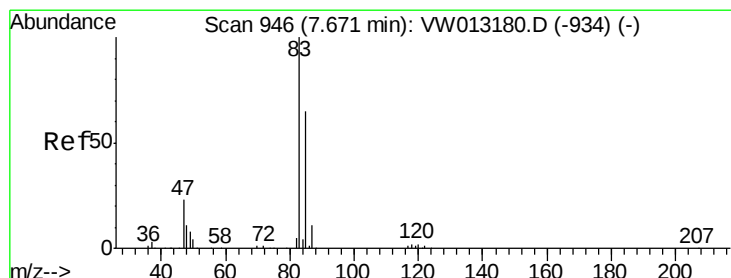
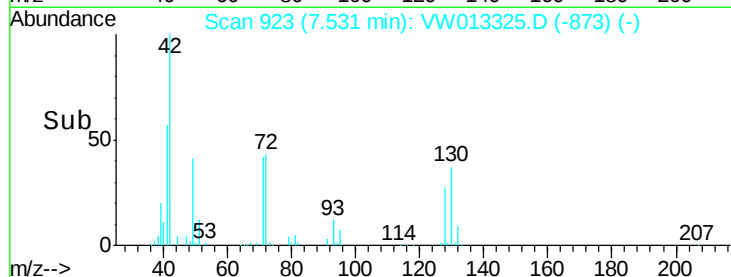
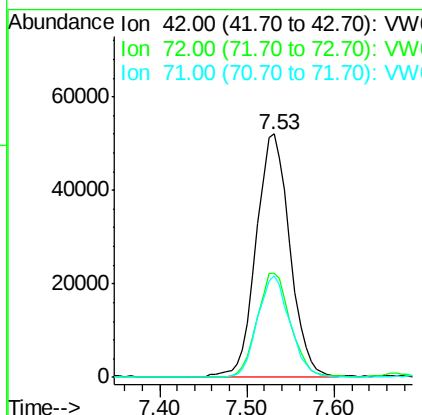
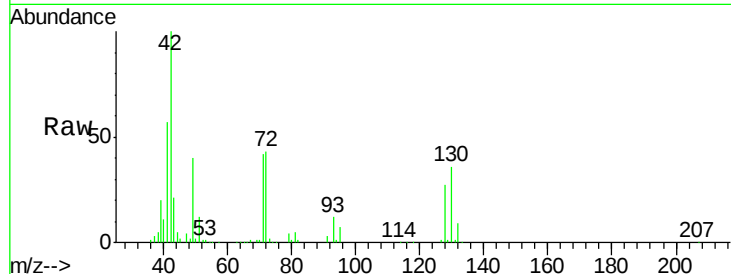
#29
Tetrahydrofuran
Concen: 226.039 ug/l
RT: 7.53 min Scan# 923
Delta R.T. 0.01 min
Lab File: VW013325.D
Acq: 30 Sep 2019 10:50

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
42	100		
72	42.5	33.9	50.9
71	39.9	31.9	47.9

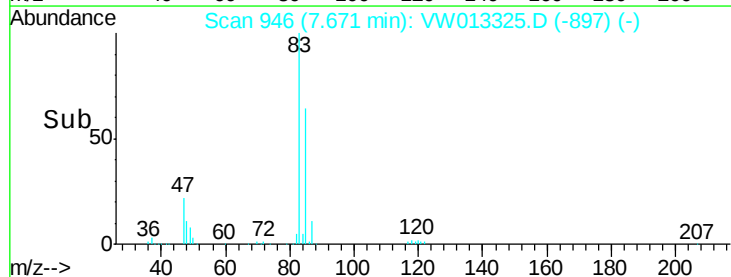
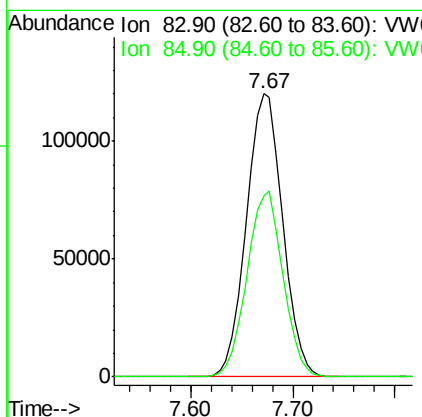
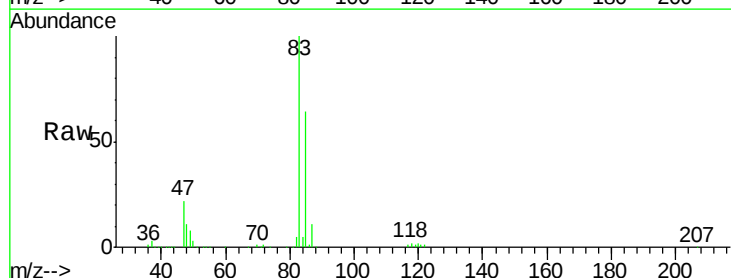
Manual Integrations
APPROVED

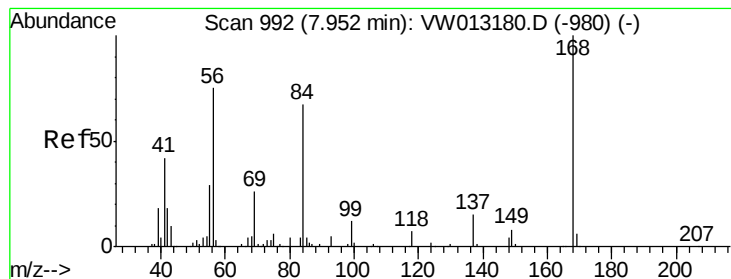
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10/1/2019 11:33:17 AM



#30
Chloroform
Concen: 48.685 ug/l
RT: 7.67 min Scan# 946
Delta R.T. -0.00 min
Lab File: VW013325.D
Acq: 30 Sep 2019 10:50

Tgt Ion	Ratio	Lower	Upper
83	100		
85	63.9	52.3	78.5





#31

Cyclohexane

Concen: 48.699 ug/l

RT: 7.95 min Scan# 992

Delta R.T. -0.00 min

Lab File: VW013325.D

Acq: 30 Sep 2019 10:50

Instrument :

MSVOA_W

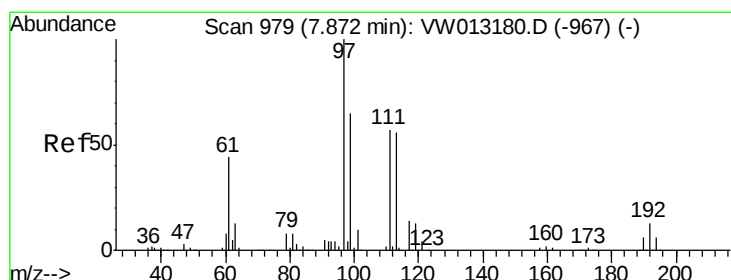
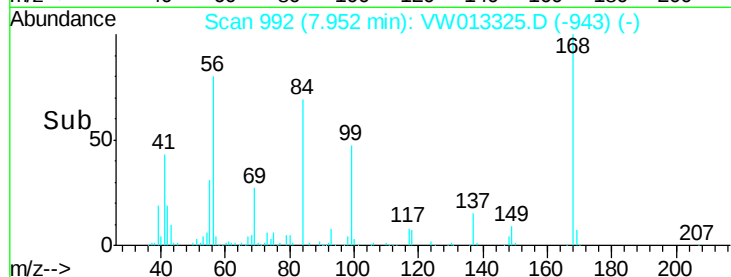
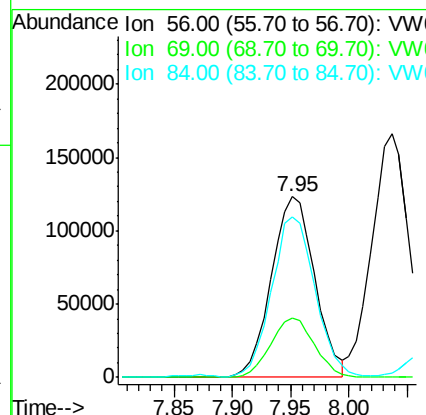
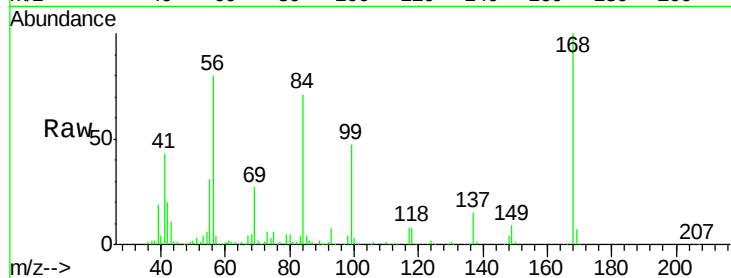
ClientSampled :

VSTDCCC050

Tot Ion:	56	Resp:	316821
Ion Ratio	Lower	Upper	
56	100		
69	33.1	27.2	40.8
84	87.8	70.8	106.2

Manual Integrations
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#32

1,1,1-Trichloroethane

Concen: 51.228 ug/l

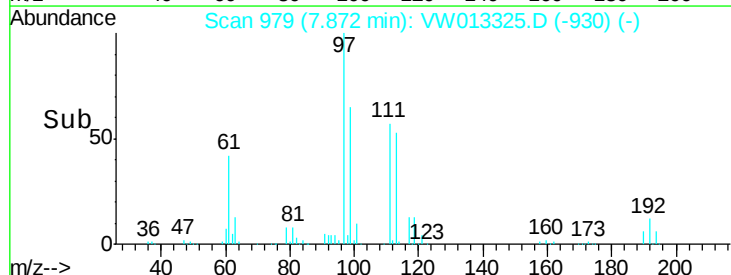
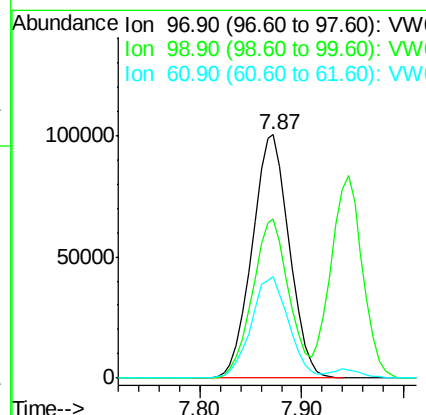
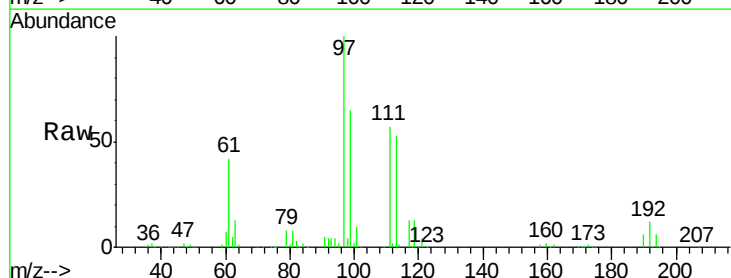
RT: 7.87 min Scan# 979

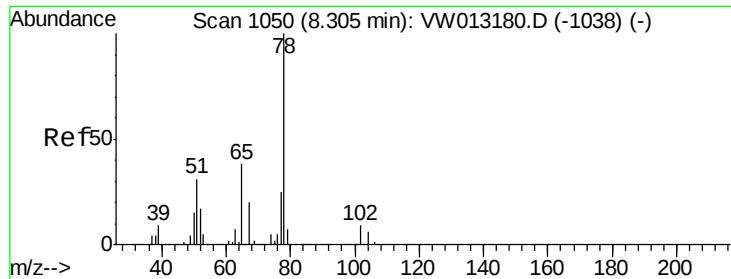
Delta R.T. -0.00 min

Lab File: VW013325.D

Acq: 30 Sep 2019 10:50

Tgt Ion:	97	Resp:	253516
Ion Ratio	Lower	Upper	
97	100		
99	64.3	51.7	77.5
61	42.2	34.6	51.8





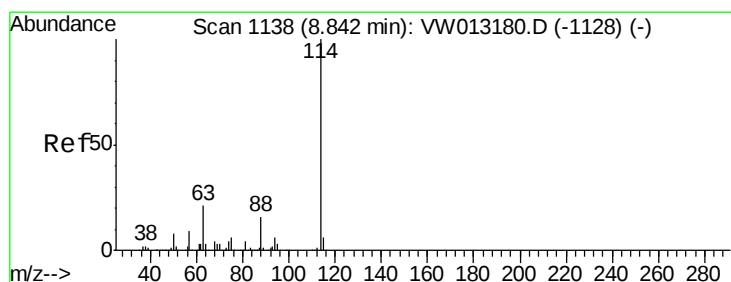
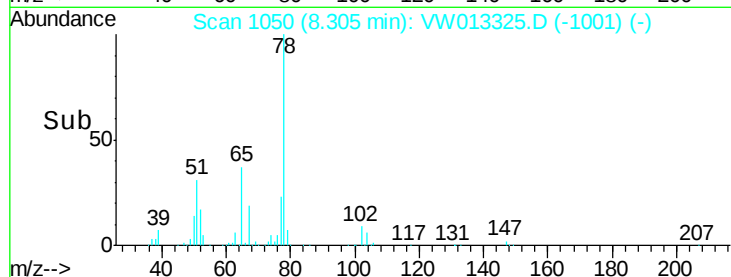
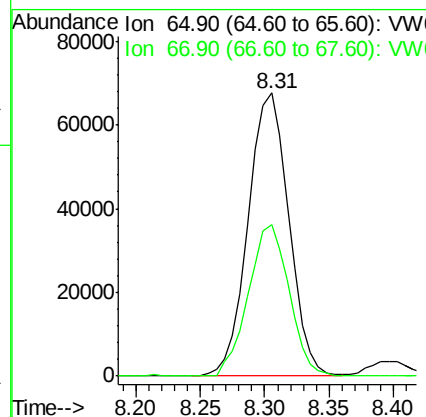
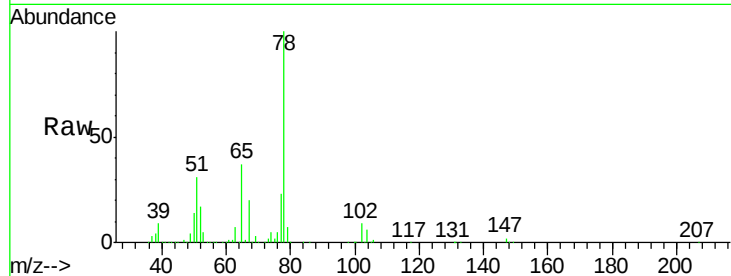
#33
 1,2-Dichloroethane-d4
 Concen: 49.400 ug/l
 RT: 8.31 min Scan# 1050
 Delta R.T. -0.00 min
 Lab File: VW013325.D
 Acq: 30 Sep 2019 10:50

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
65	100	148265		
67	53.5	0.0	106.2	

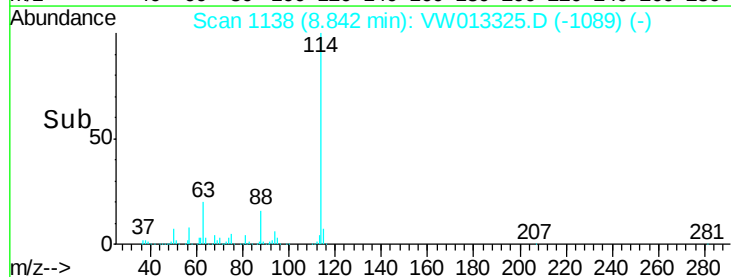
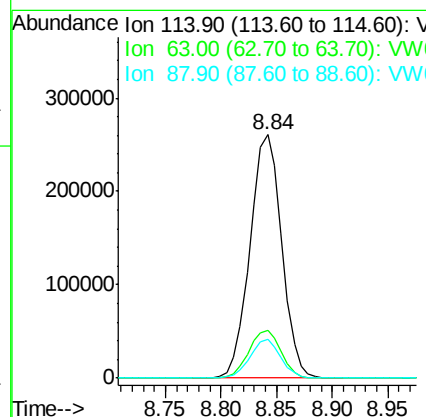
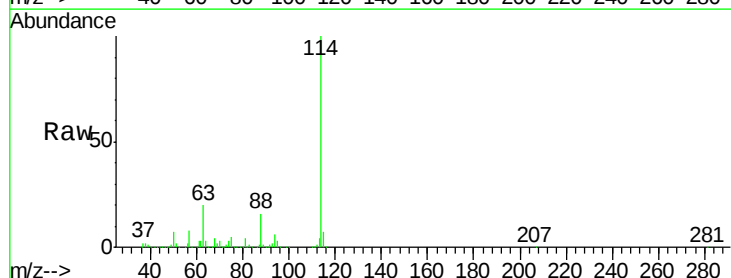
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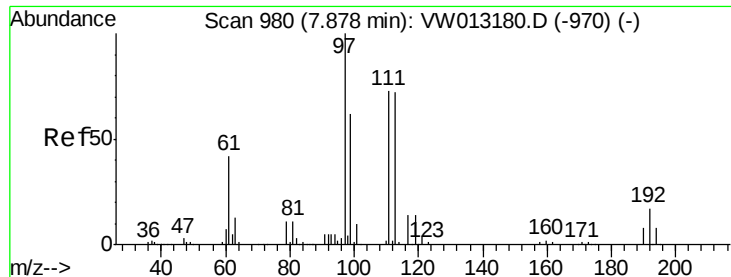
MMDadoda
 10/1/2019 11:33:17 AM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1138
 Delta R.T. -0.00 min
 Lab File: VW013325.D
 Acq: 30 Sep 2019 10:50

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	518162		
63	19.7	0.0	41.4	
88	15.9	0.0	32.0	





#35

Dibromofluoromethane

Concen: 53.811 ug/l

RT: 7.88 min Scan# 981

Delta R.T. 0.01 min

Lab File: VW013325.D

Acq: 30 Sep 2019 10:50

Instrument :

MSVOA_W

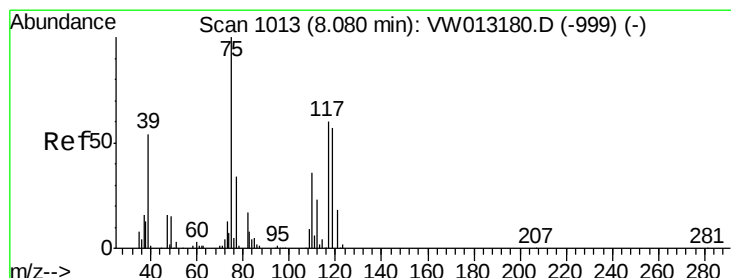
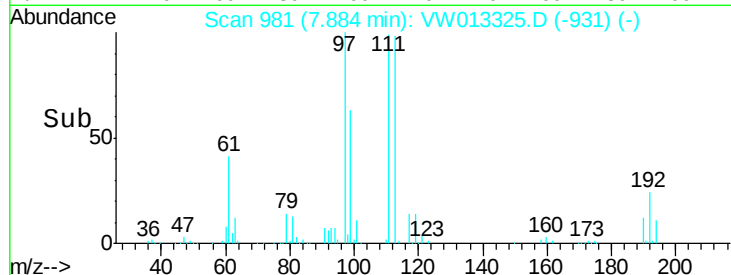
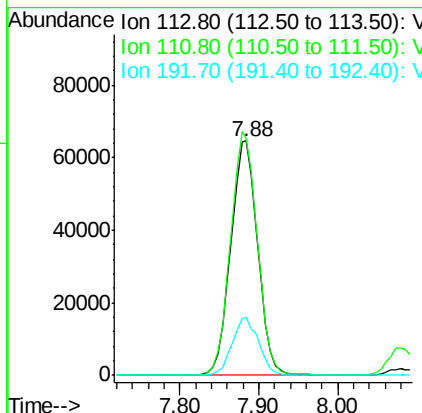
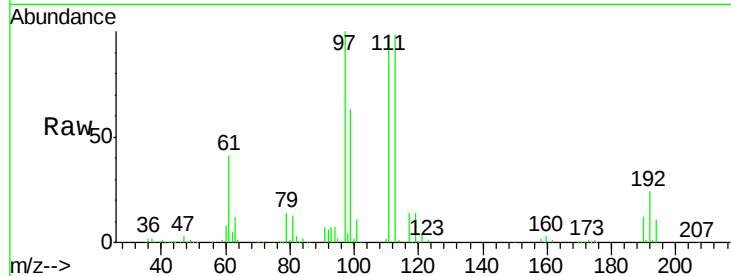
ClientSampleId :

VSTDCCC050

Tot Ion:	113	Resp:	153356
Ion Ratio	Lower	Upper	
113	100		
111	103.4	81.9	122.9
192	24.3	19.1	28.7

Manual Integrations
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#36

1,1-Dichloropropene

Concen: 52.093 ug/l

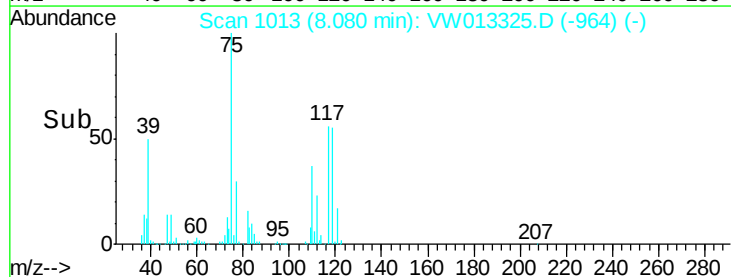
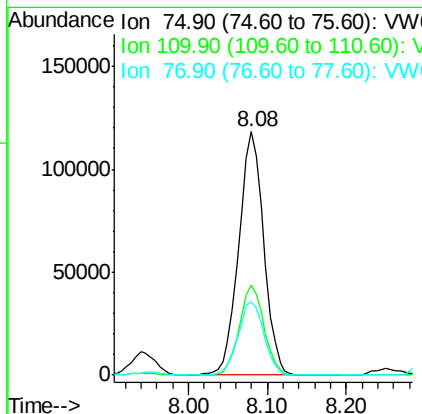
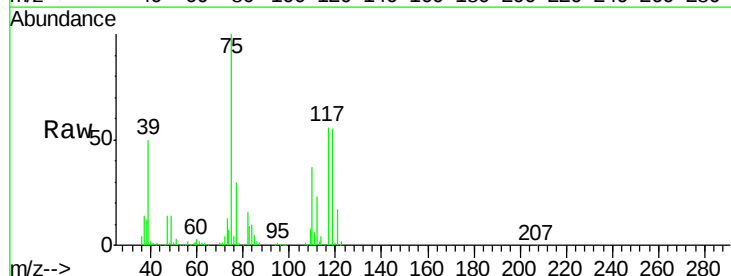
RT: 8.08 min Scan# 1013

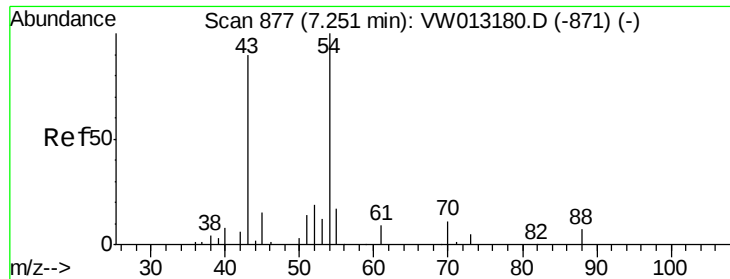
Delta R.T. -0.00 min

Lab File: VW013325.D

Acq: 30 Sep 2019 10:50

Tgt Ion:	75	Resp:	261440
Ion Ratio	Lower	Upper	
75	100		
110	36.3	18.1	54.3
77	31.1	25.8	38.6





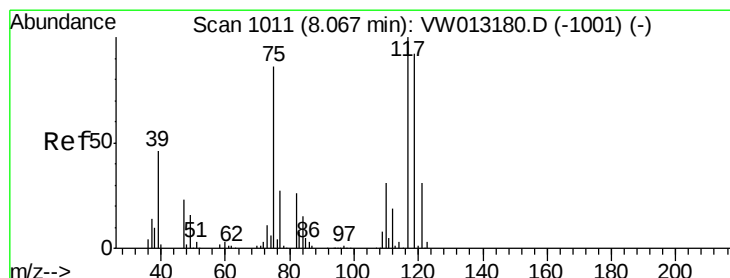
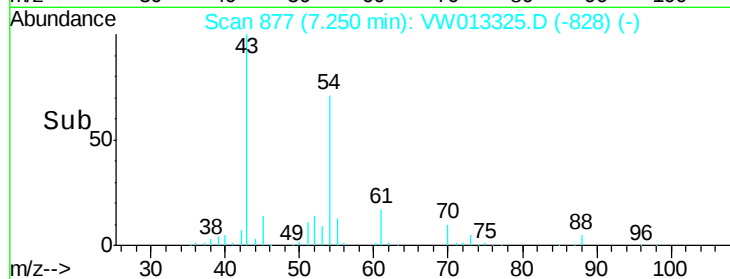
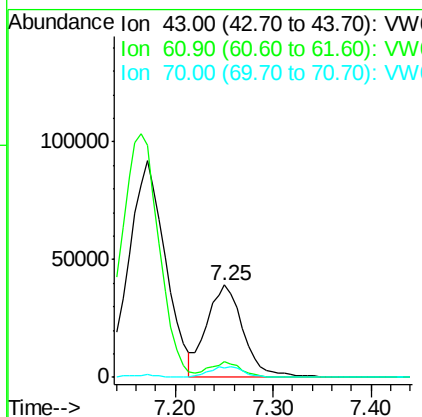
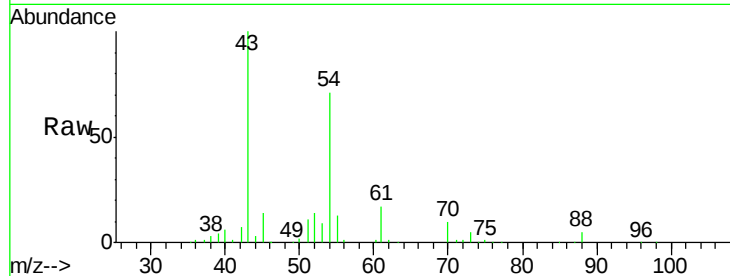
#37
Ethyl Acetate
Concen: 47.256 ug/l
RT: 7.25 min Scan# 877
Delta R.T. -0.00 min
Lab File: VW013325.D
Acq: 30 Sep 2019 10:50

Instrument :
MSVOA_W
ClientSampled :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
43	100		
61	15.0	10.9	16.3
70	11.4	8.2	12.2

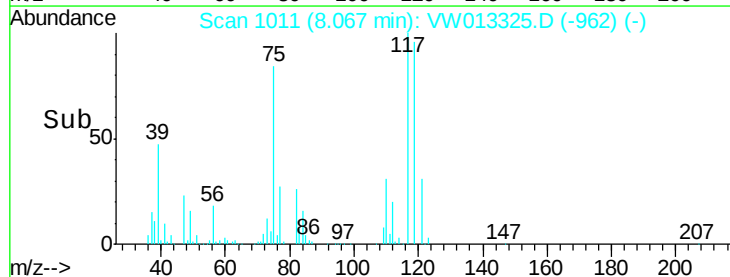
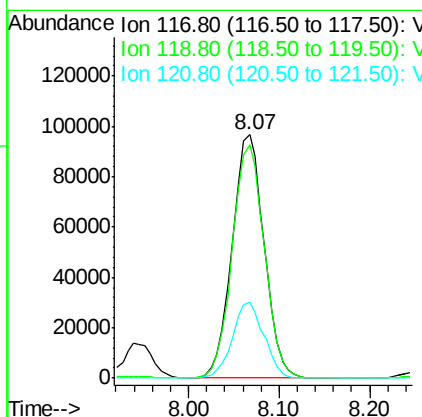
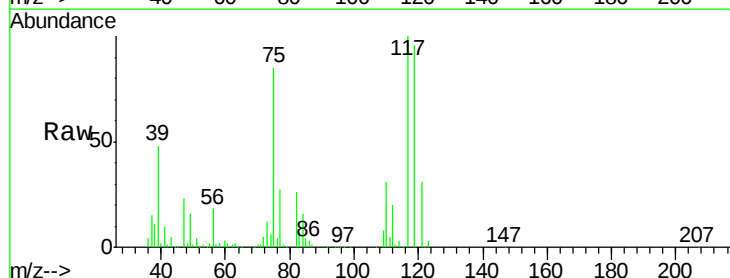
Manual Integrations
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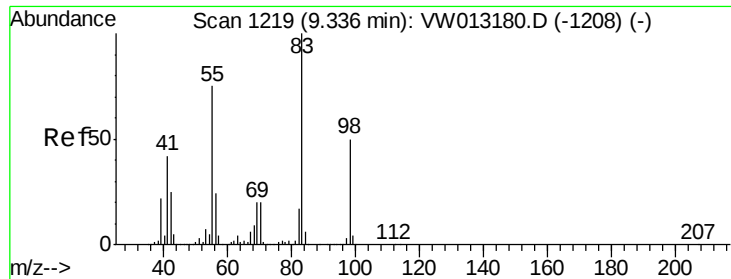
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#38
Carbon Tetrachloride
Concen: 52.747 ug/l
RT: 8.07 min Scan# 1011
Delta R.T. -0.00 min
Lab File: VW013325.D
Acq: 30 Sep 2019 10:50

Tgt Ion	Ratio	Lower	Upper
117	100		
119	96.0	73.5	110.3
121	31.3	25.0	37.6





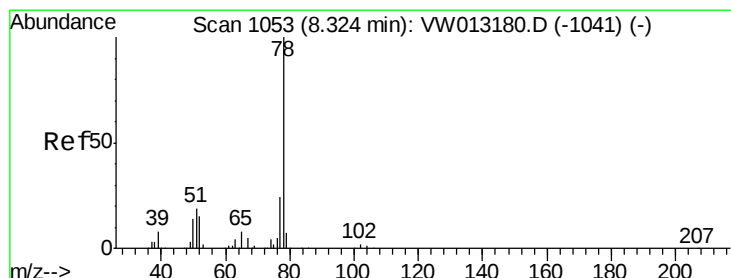
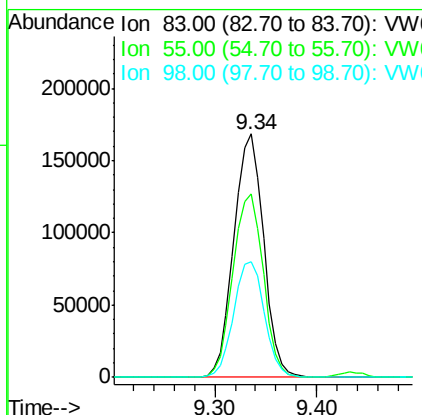
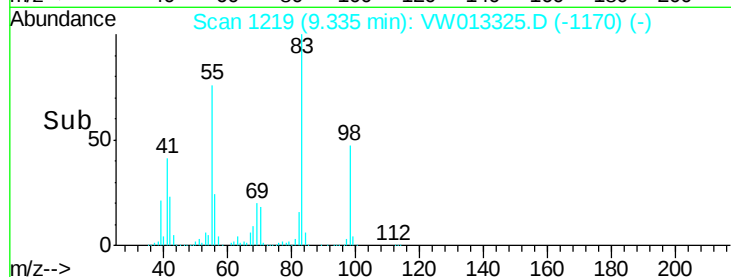
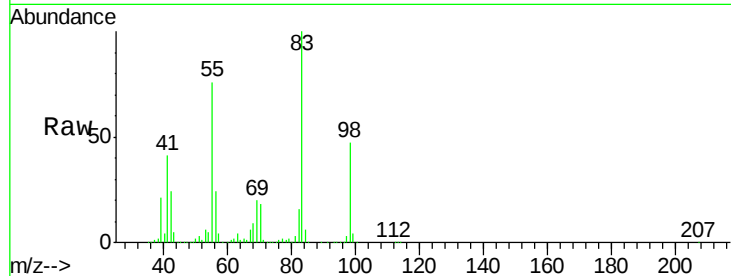
#39
Methvlcvclohexane
Concen: 52.899 ug/l
RT: 9.34 min Scan# 1219
Delta R.T. -0.00 min
Lab File: VW013325.D
Acq: 30 Sep 2019 10:50

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
83	100	341178		
55	75.5		60.4	90.6
98	47.4		40.0	60.0

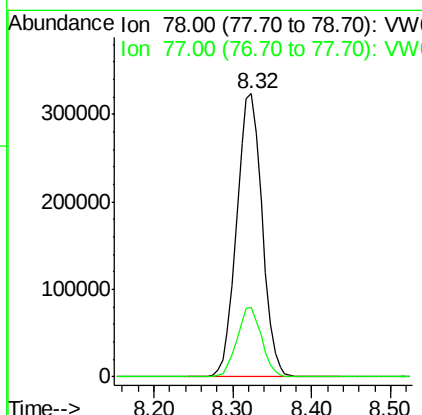
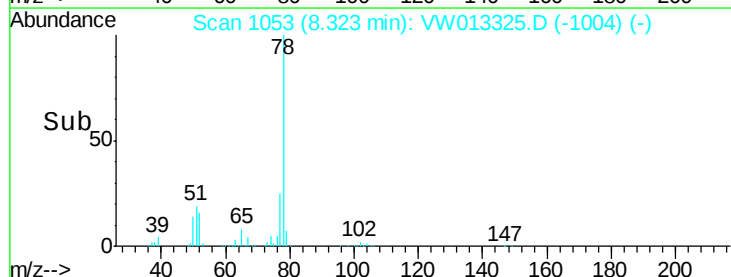
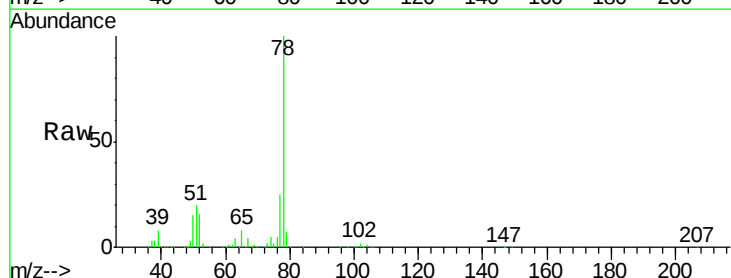
Manual Integrations
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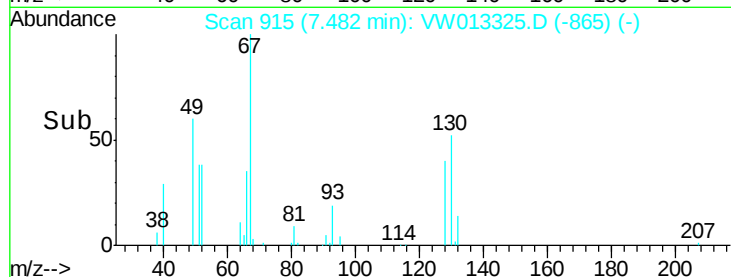
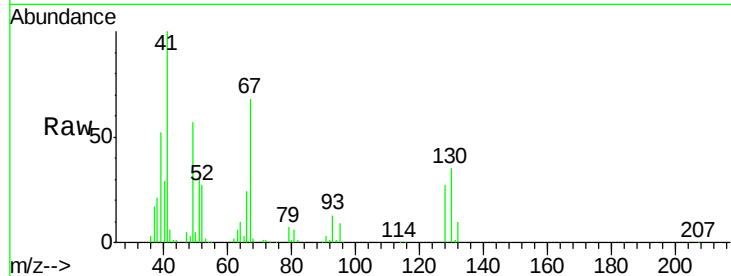
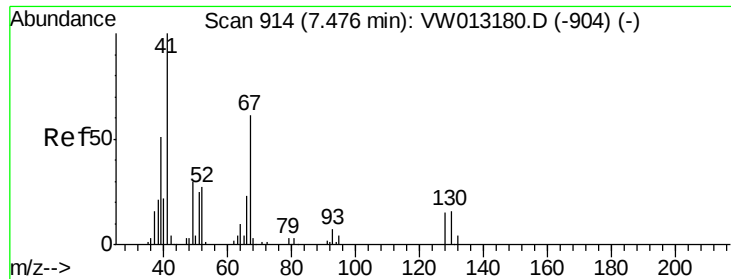
MMDadoda
10/1/2019 11:33:17 AM



#40
Benzene
Concen: 51.884 ug/l
RT: 8.32 min Scan# 1053
Delta R.T. -0.00 min
Lab File: VW013325.D
Acq: 30 Sep 2019 10:50

Tgt Ion	Ratio	Resp	Lower	Upper
78	100	726320		
77	24.6		19.1	28.7





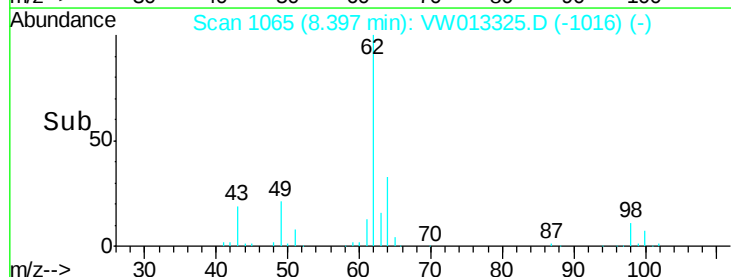
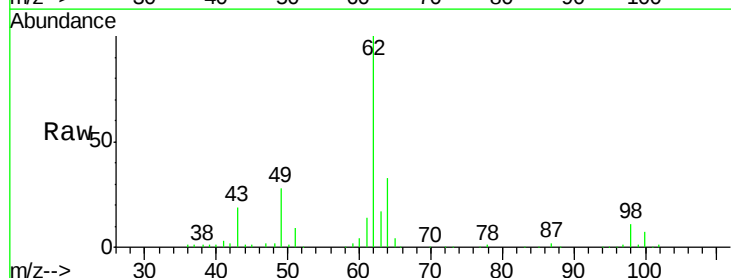
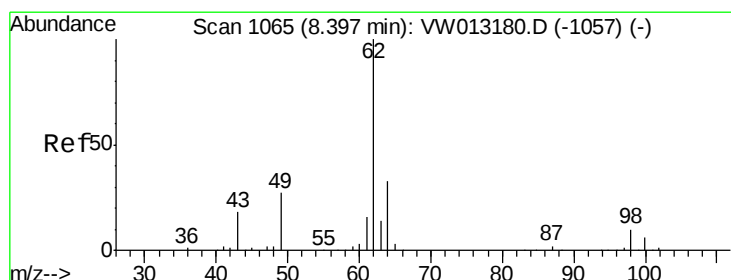
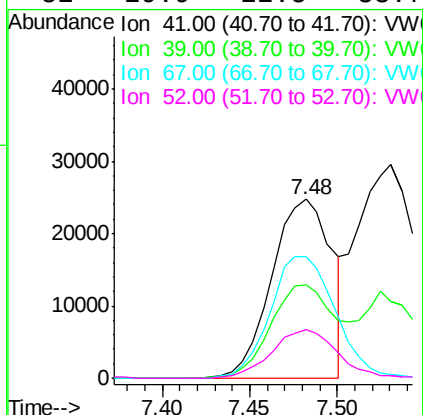
#41
Methacrylonitrile
Concen: 46.557 ug/l
RT: 7.48 min Scan# 915
Delta R.T. 0.01 min
Lab File: VW013325.D
Acq: 30 Sep 2019 10:50

Tot Ion	41	Resp	59269
Ion	Ratio	Lower	Upper
41	100		
39	57.3	45.9	68.9
67	74.2	54.5	81.7
52	29.9	22.5	33.7

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

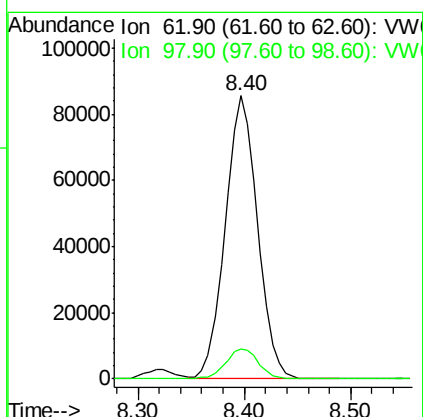
Manual Integrations
APPROVED

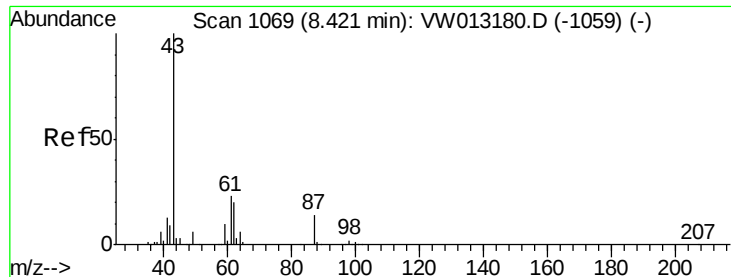
MMDadoda
10/1/2019 11:33:17 AM



#42
1,2-Dichloroethane
Concen: 48.247 ug/l
RT: 8.40 min Scan# 1065
Delta R.T. -0.00 min
Lab File: VW013325.D
Acq: 30 Sep 2019 10:50

Tgt Ion	62	Resp	181561
Ion	Ratio	Lower	Upper
62	100		
98	10.9	0.0	20.6





#43

Isopropyl Acetate

Concen: 47.462 ug/l

RT: 8.42 min Scan# 1069

Delta R.T. -0.00 min

Lab File: VW013325.D

Acq: 30 Sep 2019 10:50

Instrument :

MSVOA_W

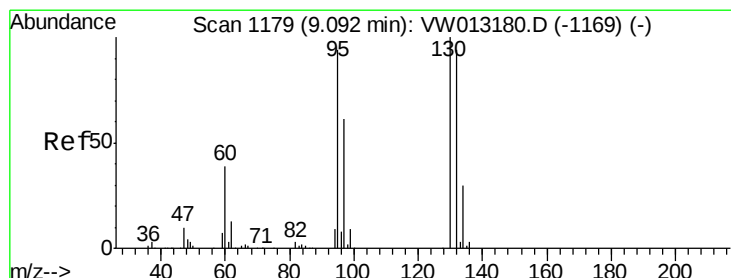
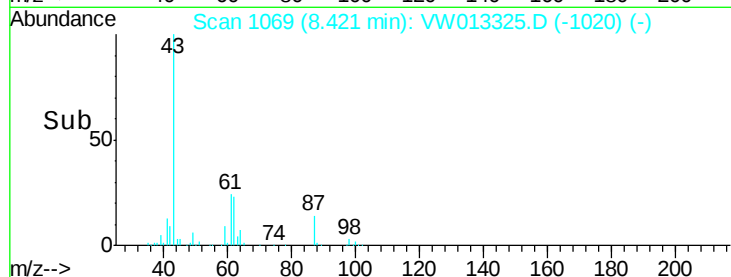
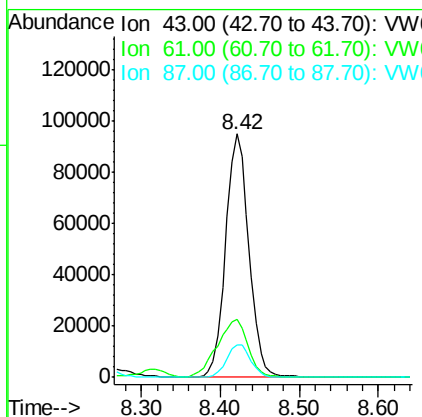
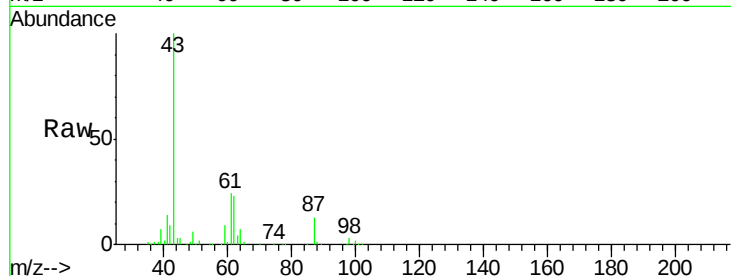
ClientSampleId :

VSTDCCC050

Tot Ion:	43	Resp:	194026
Ion	Ratio	Lower	Upper
43	100		
61	31.3	25.5	38.3
87	13.9	11.0	16.4

Manual Integrations
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#44

Trichloroethene

Concen: 52.182 ug/l

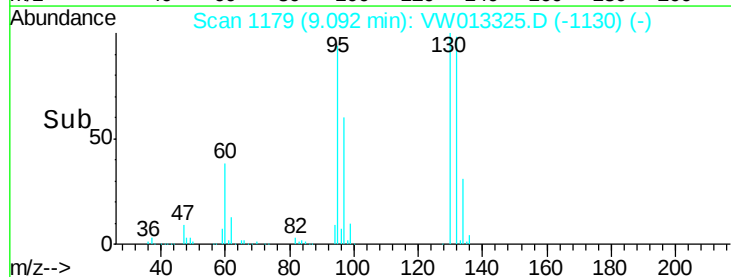
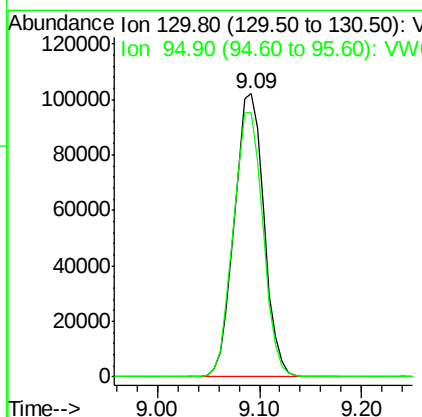
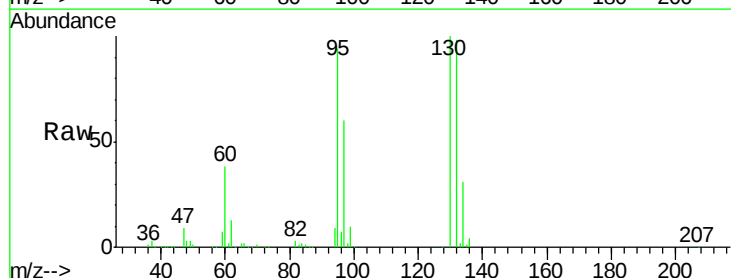
RT: 9.09 min Scan# 1179

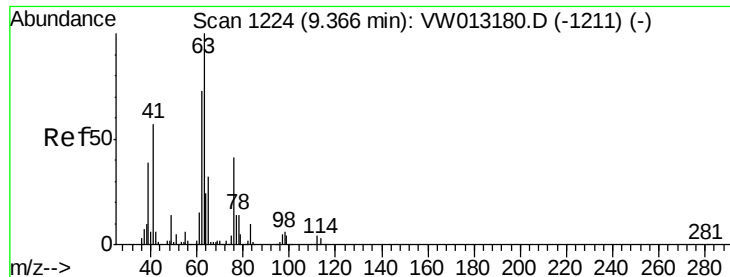
Delta R.T. -0.00 min

Lab File: VW013325.D

Acq: 30 Sep 2019 10:50

Tgt Ion:	130	Resp:	204954
Ion	Ratio	Lower	Upper
130	100		
95	93.6	0.0	188.0





#45

1,2-Dichloropropane

Concen: 51.271 ug/l

RT: 9.37 min Scan# 1224

Delta R.T. -0.00 min

Lab File: VW013325.D

Acq: 30 Sep 2019 10:50

Instrument :

MSVOA_W

ClientSampled :

VSTDCCC050

Tot Ion: 63 Resp: 175229

Ion Ratio Lower Upper

63 100

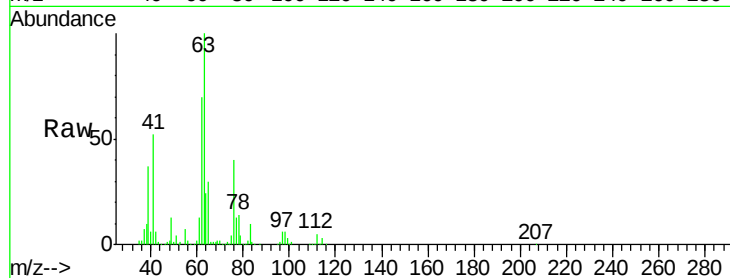
65 30.5 25.3 37.9

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Abundance Ion 62.90 (62.60 to 63.60): VW

Ion 64.90 (64.60 to 65.60): VW

9.37

100000

80000

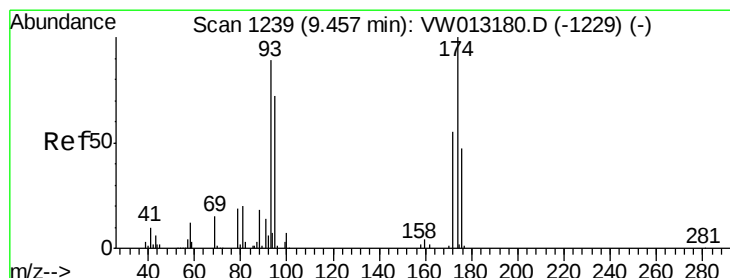
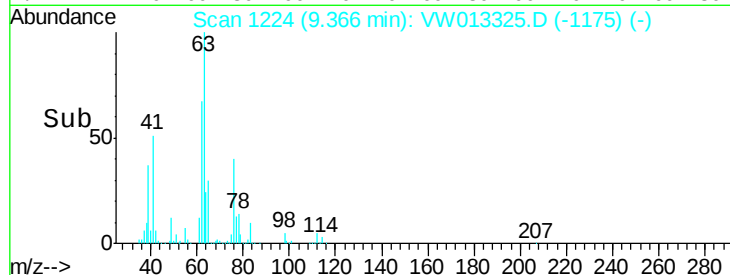
60000

40000

20000

0

Time-->



#46

Dibromomethane

Concen: 50.425 ug/l

RT: 9.46 min Scan# 1239

Delta R.T. -0.00 min

Lab File: VW013325.D

Acq: 30 Sep 2019 10:50

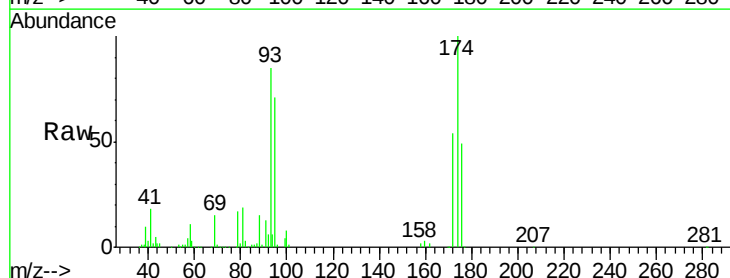
Tgt Ion: 93 Resp: 83669

Ion Ratio Lower Upper

93 100

95 82.6 66.4 99.6

174 117.9 93.0 139.6



Abundance Ion 92.80 (92.50 to 93.50): VW

Ion 94.80 (94.50 to 95.50): VW

Ion 173.70 (173.40 to 174.40): V

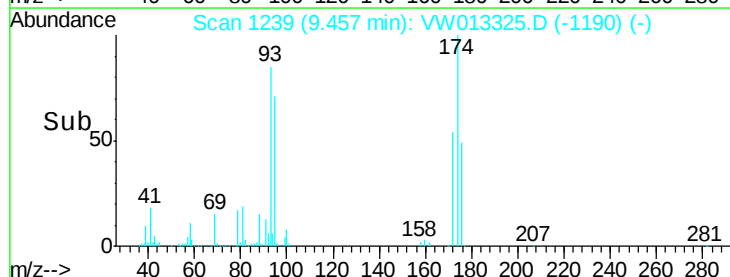
60000

40000

20000

0

Time-->





#47

Bromodichloromethane

Concen: 52.068 ug/l

RT: 9.64 min Scan# 1269

Delta R.T. -0.00 min

Lab File: VW013325.D

Acq: 30 Sep 2019 10:50

Instrument :

MSVOA_W

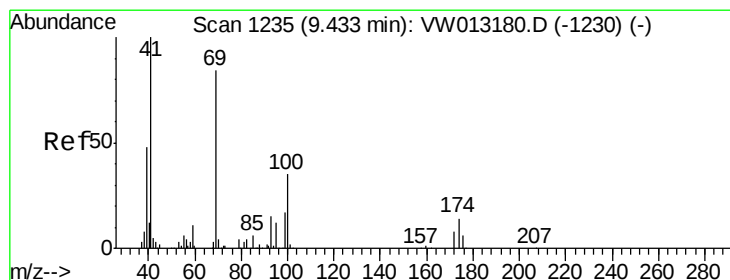
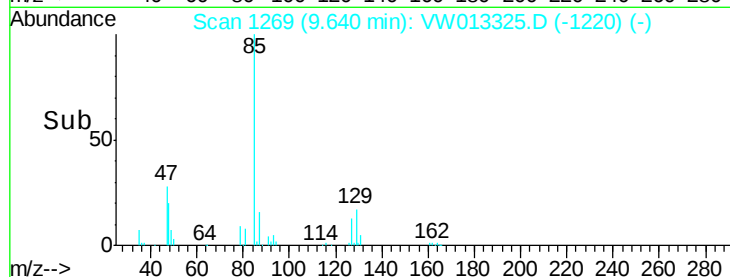
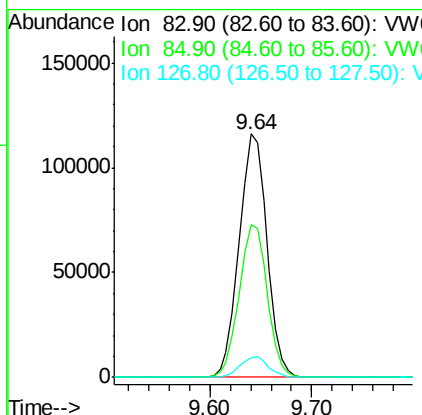
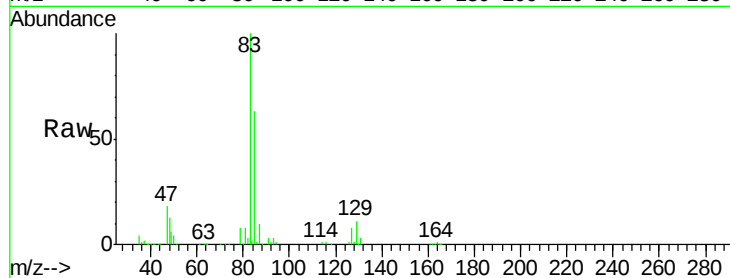
ClientSampleId :

VSTDCCC050

Tot Ion:	83	Resp:	219838
Ion Ratio	Lower	Upper	
83	100		
85	62.9	49.4	74.2
127	8.1	6.5	9.7

Manual Integrations
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#48

Methyl methacrylate

Concen: 50.504 ug/l

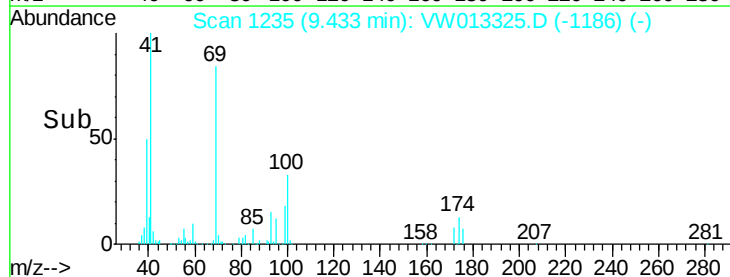
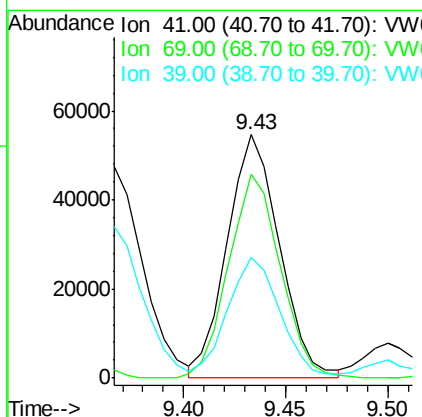
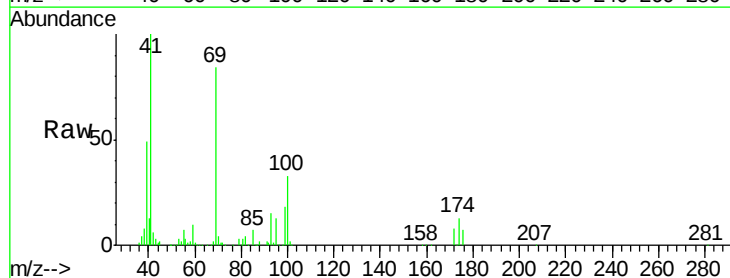
RT: 9.43 min Scan# 1235

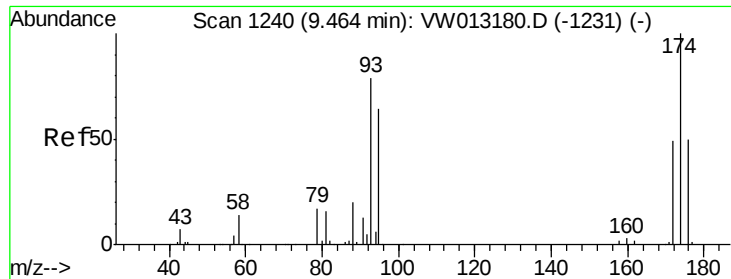
Delta R.T. -0.00 min

Lab File: VW013325.D

Acq: 30 Sep 2019 10:50

Tgt Ion:	41	Resp:	97083
Ion Ratio	Lower	Upper	
41	100		
69	82.6	69.7	104.5
39	46.5	41.1	61.7





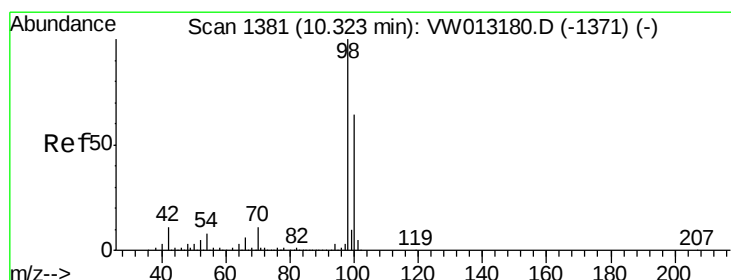
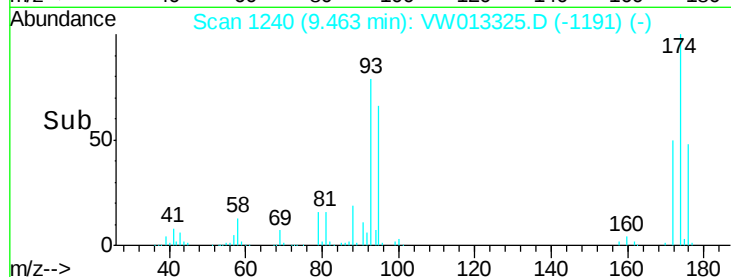
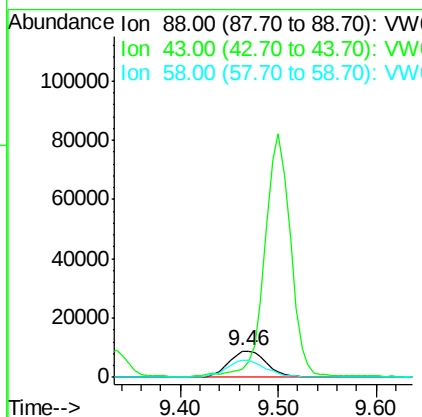
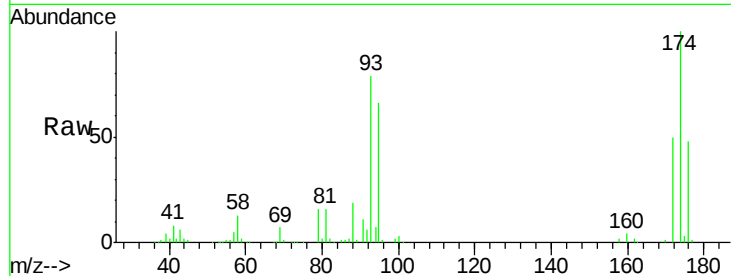
#49
 1,4-Dioxane
 Concen: 956.037 ug/l
 RT: 9.46 min Scan# 1240
 Delta R.T. -0.00 min
 Lab File: VW013325.D
 Acq: 30 Sep 2019 10:50

Instrument :
 MSVOA_W
 ClientSampleID :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
88	100		
43	0.0	0.0	0.0
58	69.2	65.4	98.0

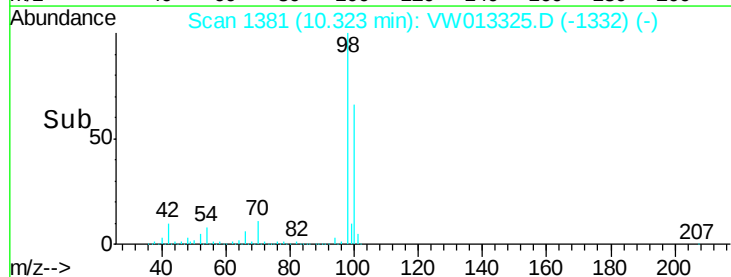
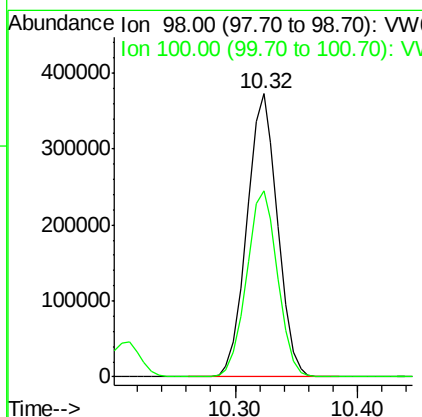
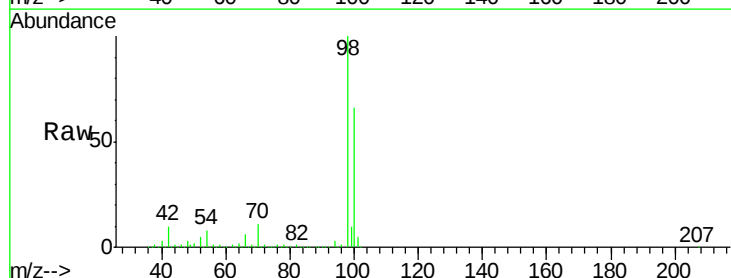
Manual Integrations
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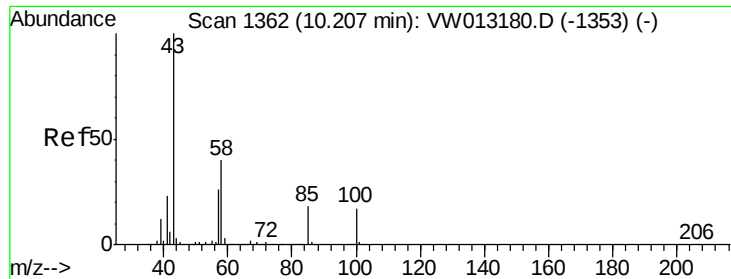
MMDadoda
 10/1/2019 11:33:17 AM



#50
 Toluene-d8
 Concen: 54.273 ug/l
 RT: 10.32 min Scan# 1381
 Delta R.T. -0.00 min
 Lab File: VW013325.D
 Acq: 30 Sep 2019 10:50

Tgt Ion	Ratio	Lower	Upper
98	100		
100	66.5	52.9	79.3





#51

4-Methyl-2-Pentanone

Concen: 234.950 ug/l

RT: 10.21 min Scan# 1362

Delta R.T. -0.00 min

Lab File: VW013325.D

Acq: 30 Sep 2019 10:50

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 481512

Ion Ratio Lower Upper

43 100

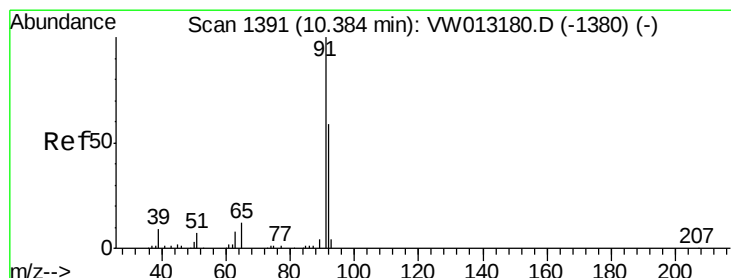
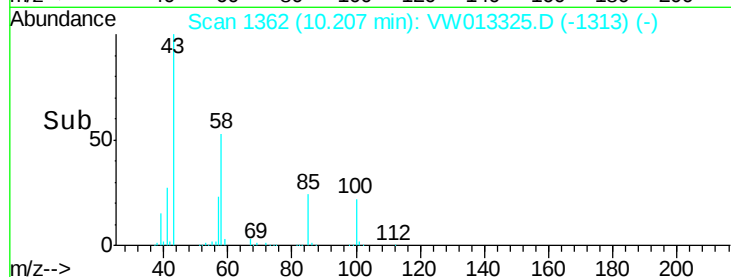
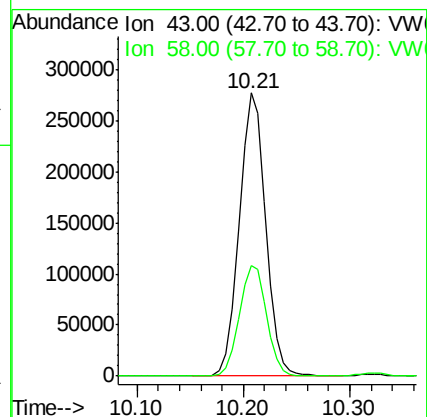
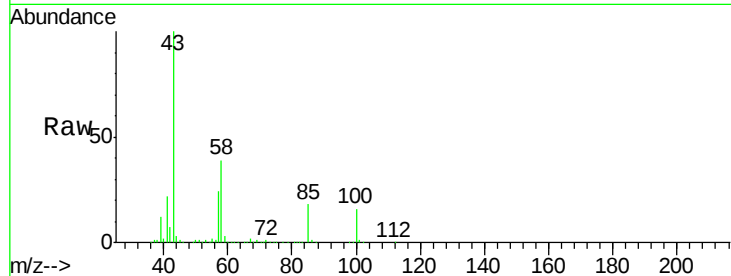
58 40.3 31.7 47.5

Manual Integrations

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10/1/2019 11:33:17 AM



#52

Toluene

Concen: 52.274 ug/l

RT: 10.38 min Scan# 1391

Delta R.T. -0.00 min

Lab File: VW013325.D

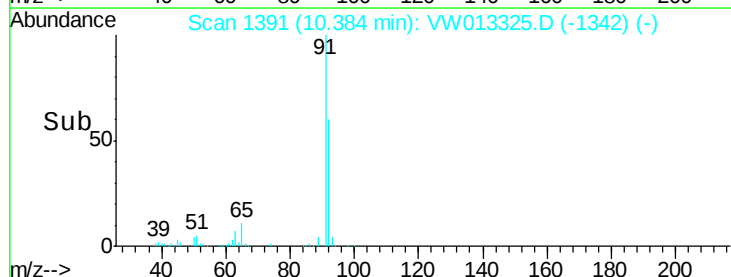
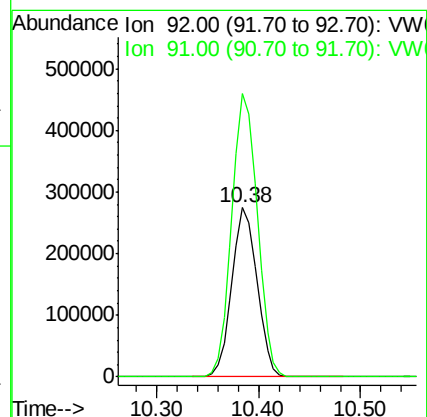
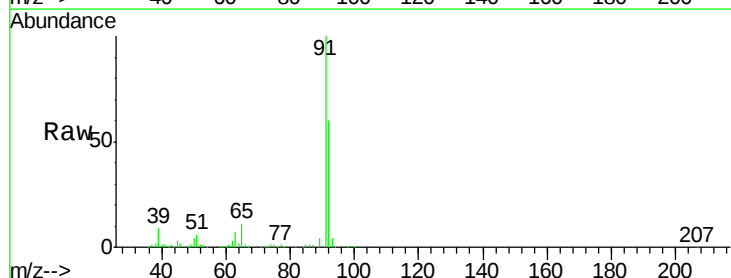
Acq: 30 Sep 2019 10:50

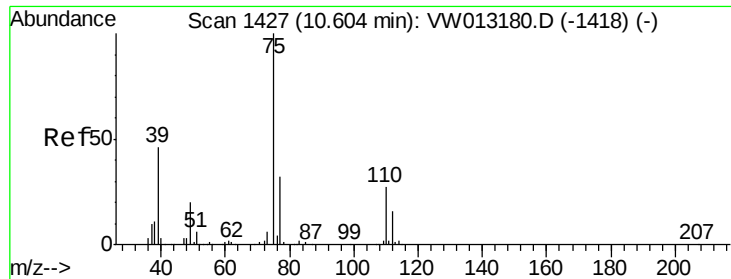
Tgt Ion: 92 Resp: 468991

Ion Ratio Lower Upper

92 100

91 170.7 135.7 203.5





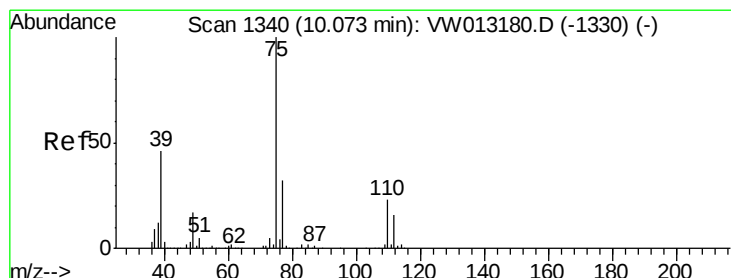
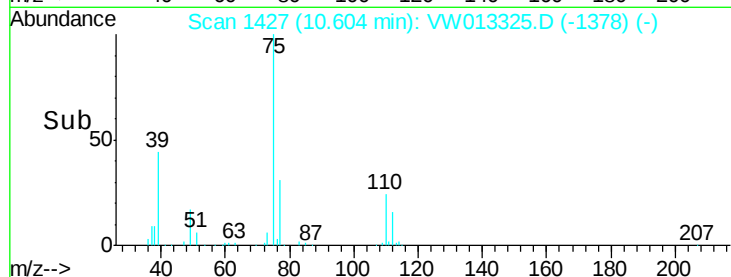
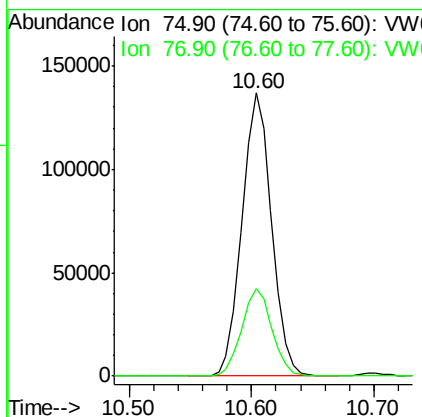
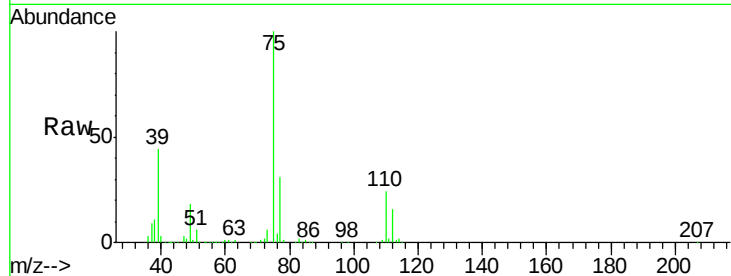
#53
t-1,3-Dichloropropene
Concen: 52.928 ug/l
RT: 10.60 min Scan# 1427
Delta R.T. -0.00 min
Lab File: VW013325.D
Acq: 30 Sep 2019 10:50

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
75	100		
77	30.9	25.5	38.3

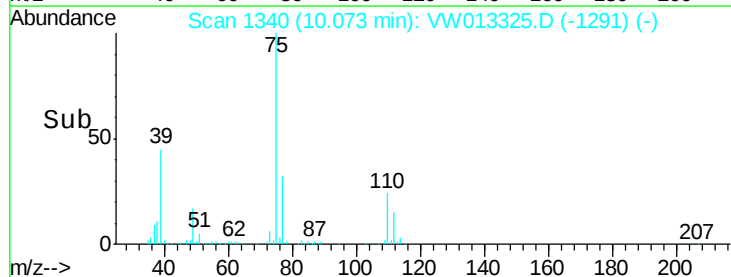
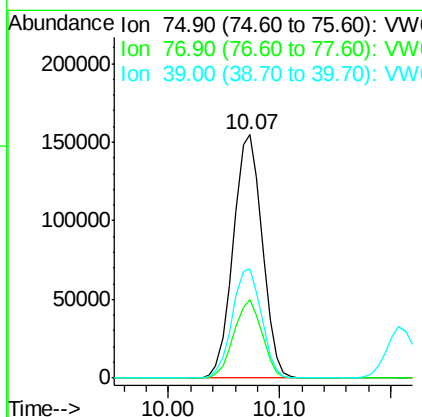
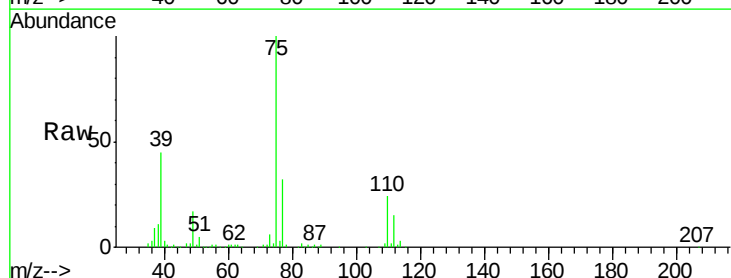
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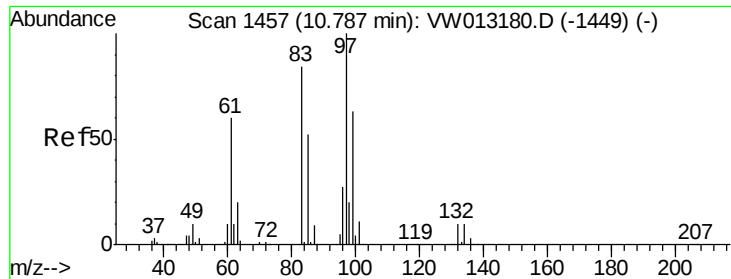
MMDadoda
10/1/2019 11:33:17 AM



#54
cis-1,3-Dichloropropene
Concen: 53.042 ug/l
RT: 10.07 min Scan# 1340
Delta R.T. -0.00 min
Lab File: VW013325.D
Acq: 30 Sep 2019 10:50

Tgt Ion	Ratio	Lower	Upper
75	100		
77	32.3	25.2	37.8
39	44.6	36.6	55.0





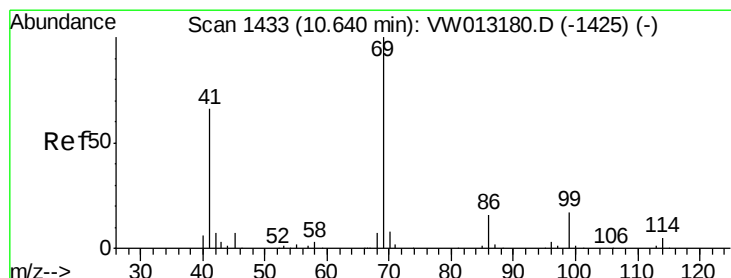
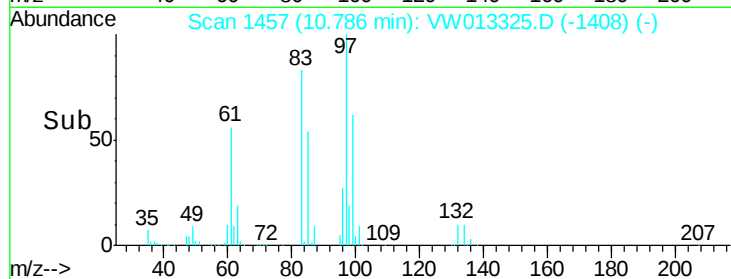
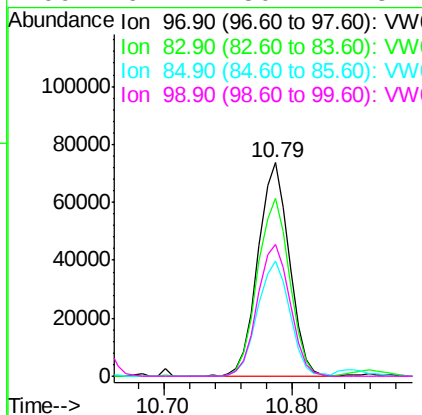
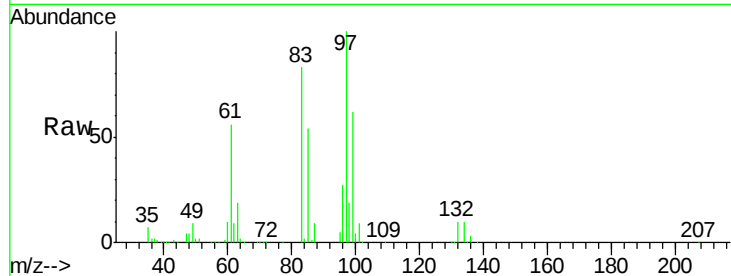
#55
 1,1,2-Trichloroethane
 Concen: 50.020 ug/l
 RT: 10.79 min Scan# 1457
 Delta R.T. -0.00 min
 Lab File: VW013325.D
 Acq: 30 Sep 2019 10:50

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

Tot Ion:	97	Resp:	124055
Ion	Ratio	Lower	Upper
97	100		
83	83.2	67.6	101.4
85	54.2	41.9	62.9
99	61.7	50.1	75.1

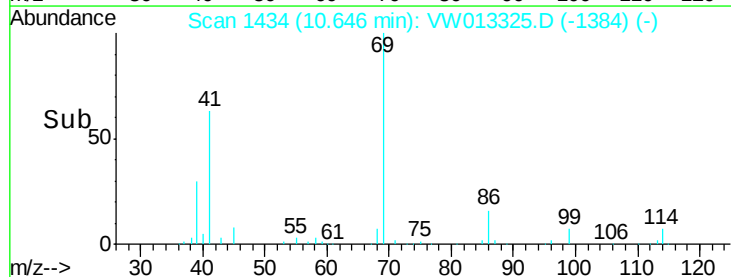
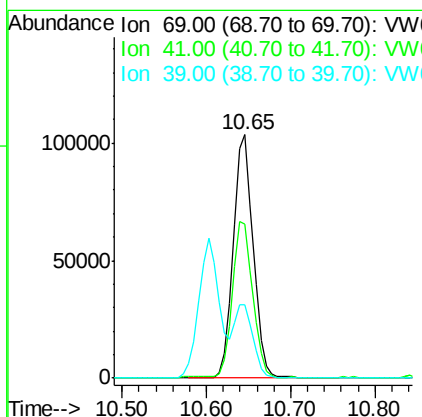
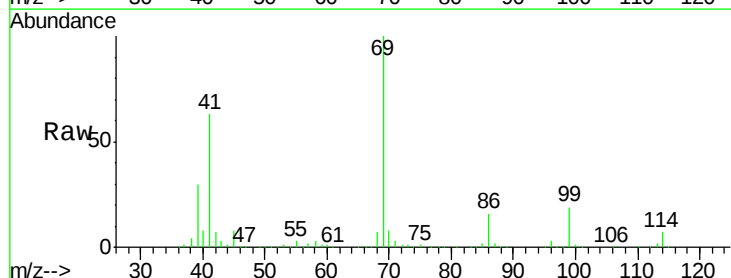
Manual Integrations
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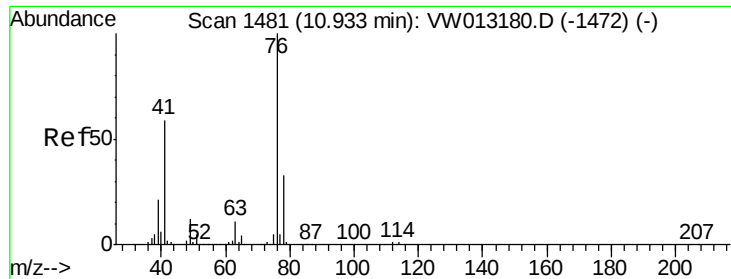
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#56
 Ethyl methacrylate
 Concen: 51.041 ug/l
 RT: 10.65 min Scan# 1434
 Delta R.T. 0.01 min
 Lab File: VW013325.D
 Acq: 30 Sep 2019 10:50

Tgt Ion:	69	Resp:	165668
Ion	Ratio	Lower	Upper
69	100		
41	65.2	53.9	80.9
39	27.8	23.8	35.6





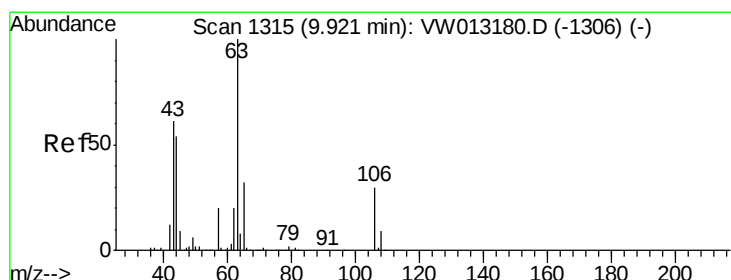
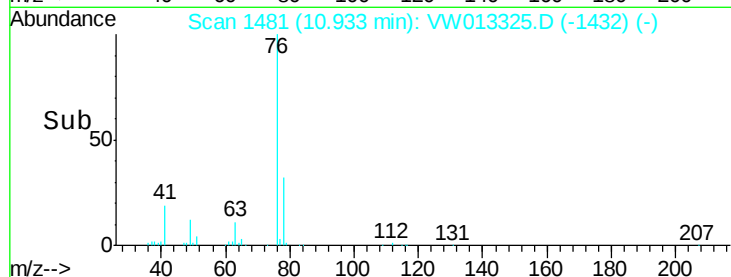
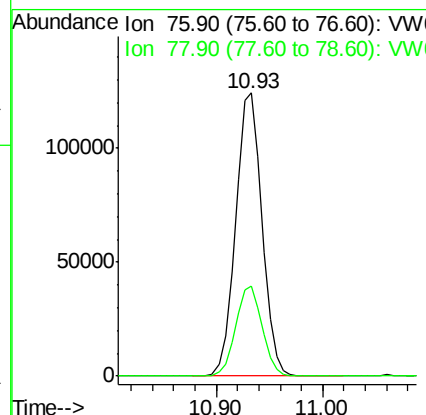
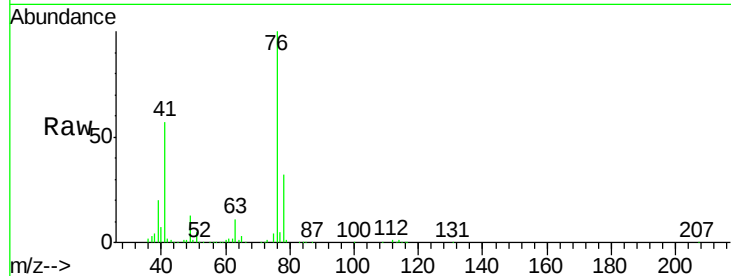
#57
 1,3-Dichloropropane
 Concen: 49.795 ug/l
 RT: 10.93 min Scan# 1481
 Delta R.T. -0.00 min
 Lab File: VW013325.D
 Acq: 30 Sep 2019 10:50

Instrument :
 MSVOA_W
 ClientSampled :
 VSTDCCC050

Tot Ion: 76 Resp: 215505
 Ion Ratio Lower Upper
 76 100
 78 32.2 25.5 38.3

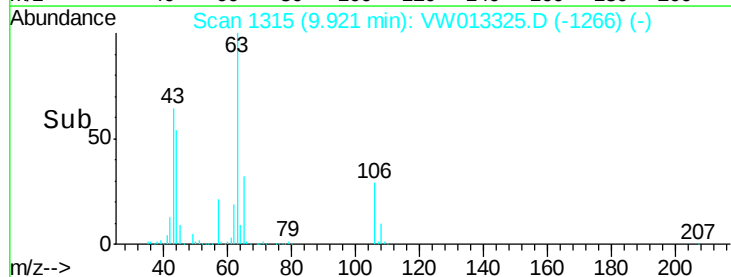
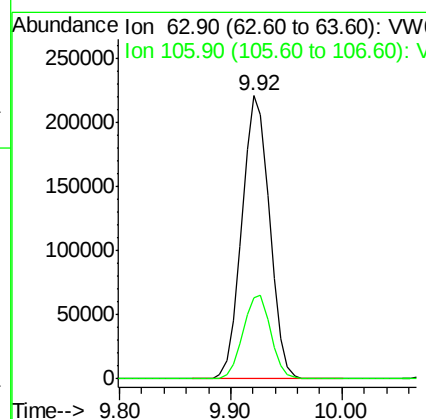
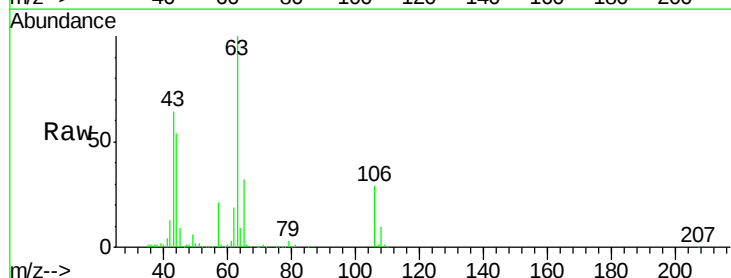
Manual Integrations
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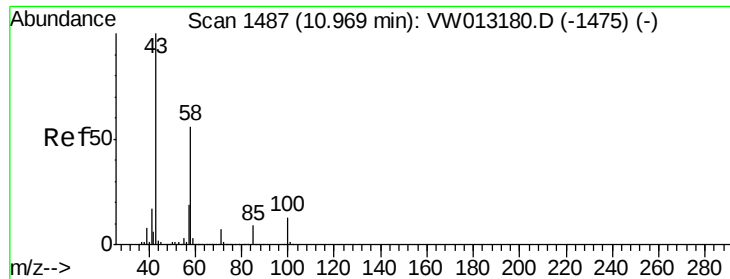
MMDadoda
 10/1/2019 11:33:17 AM



#58
 2-Chloroethyl Vinyl ether
 Concen: 253.286 ug/l
 RT: 9.92 min Scan# 1315
 Delta R.T. -0.00 min
 Lab File: VW013325.D
 Acq: 30 Sep 2019 10:50

Tgt Ion: 63 Resp: 380591
 Ion Ratio Lower Upper
 63 100
 106 29.5 23.4 35.0





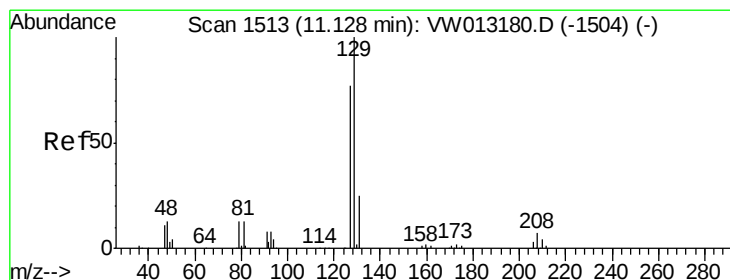
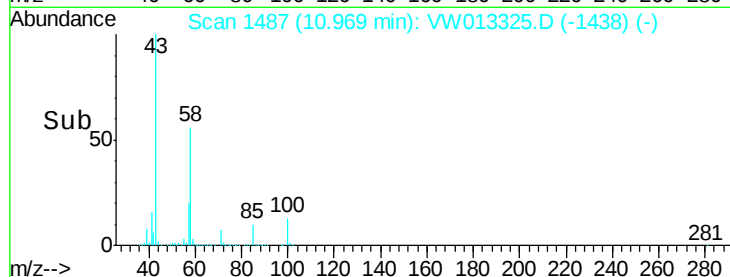
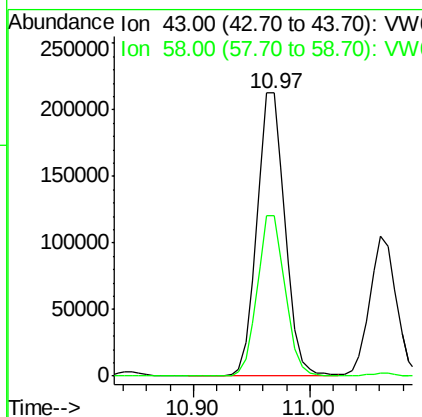
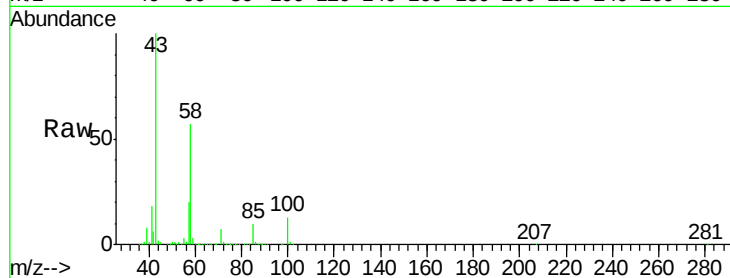
#59
2-Hexanone
Concen: 254.392 ug/l
RT: 10.97 min Scan# 1487
Delta R.T. -0.00 min
Lab File: VW013325.D
Acq: 30 Sep 2019 10:50

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion: 43 Resp: 358692
Ion Ratio Lower Upper
43 100
58 56.1 28.1 84.2

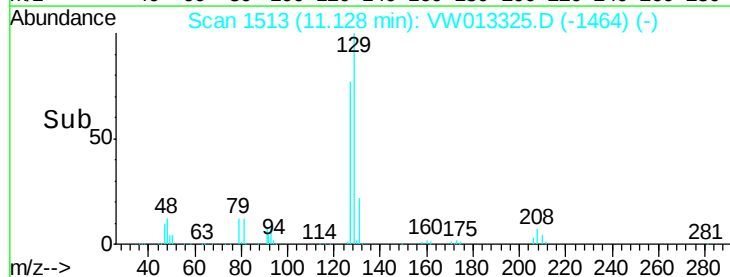
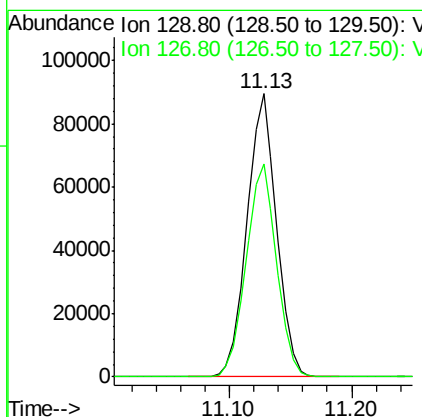
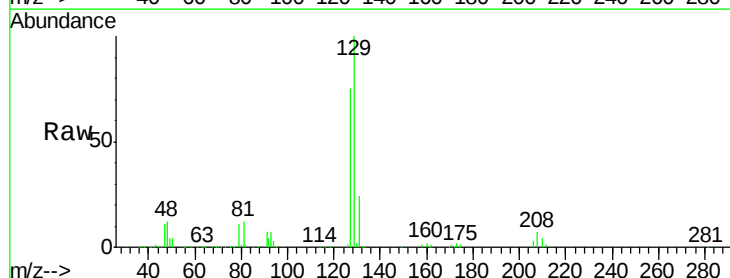
Manual Integrations
APPROVED

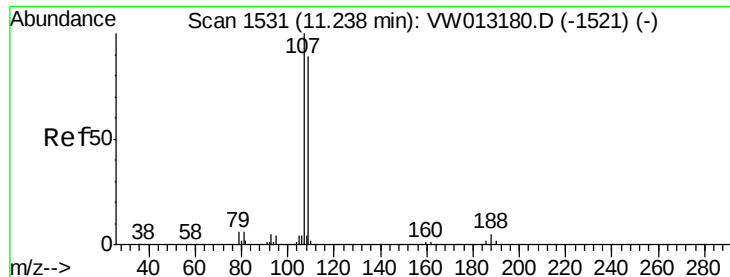
MMDadoda
10/1/2019 11:33:17 AM



#60
Dibromochloromethane
Concen: 53.279 ug/l
RT: 11.13 min Scan# 1513
Delta R.T. -0.00 min
Lab File: VW013325.D
Acq: 30 Sep 2019 10:50

Tgt Ion:129 Resp: 150041
Ion Ratio Lower Upper
129 100
127 77.2 38.8 116.4





#61

1,2-Dibromoethane

Concen: 49.666 ug/l

RT: 11.23 min Scan# 1530

Delta R.T. -0.01 min

Lab File: VW013325.D

Acq: 30 Sep 2019 10:50

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

Tot Ion: 107 Resp: 117116

Ion Ratio Lower Upper

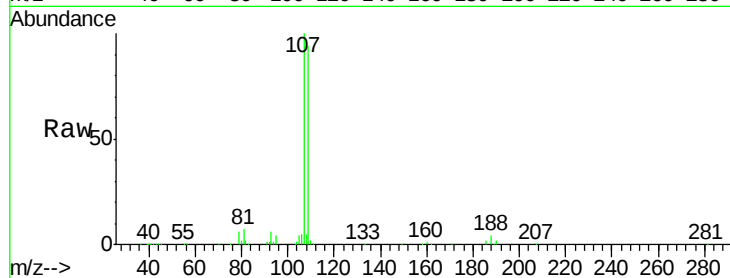
107 100

109 95.5 75.2 112.8

Manual Integrations
APPROVED

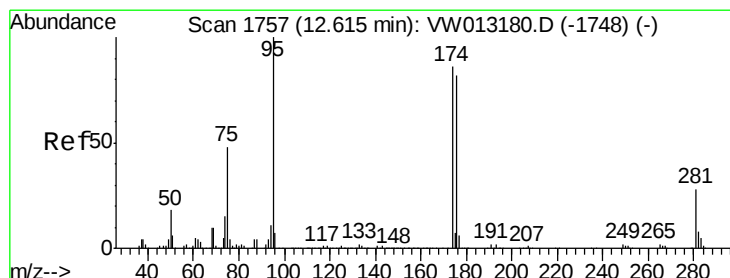
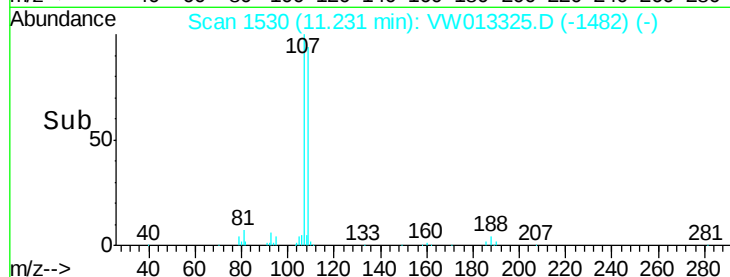
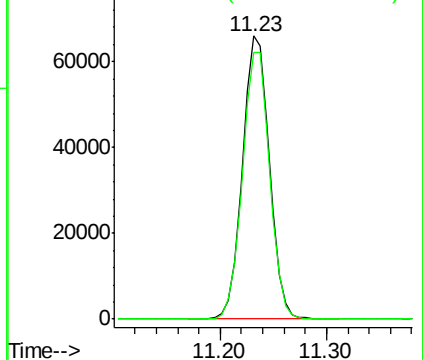
MMDadoda

10/1/2019 11:33:17 AM



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V



#62

4-Bromofluorobenzene

Concen: 53.780 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. -0.00 min

Lab File: VW013325.D

Acq: 30 Sep 2019 10:50

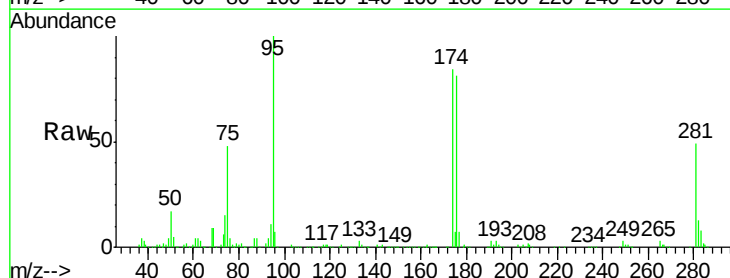
Tgt Ion: 95 Resp: 219109

Ion Ratio Lower Upper

95 100

174 89.7 0.0 178.4

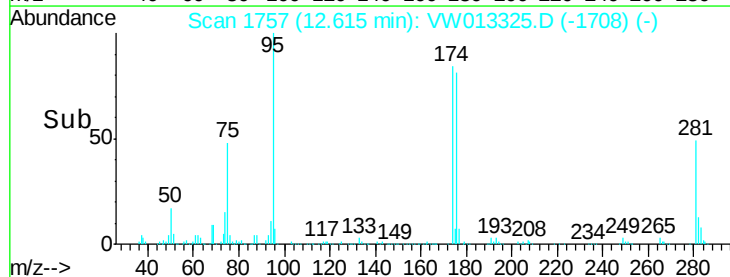
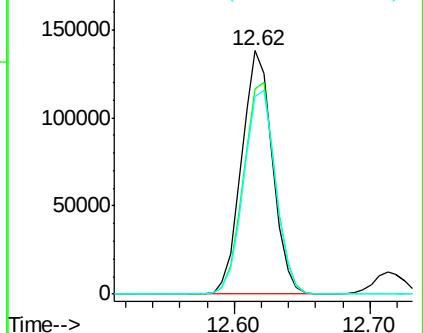
176 87.3 0.0 172.2

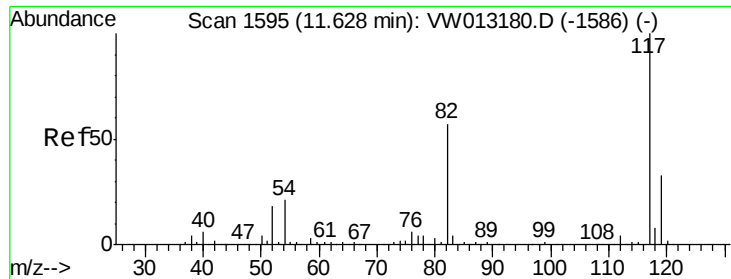


Abundance Ion 94.90 (94.60 to 95.60): VW

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V





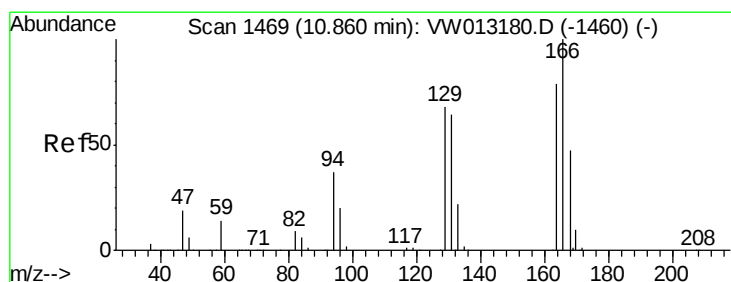
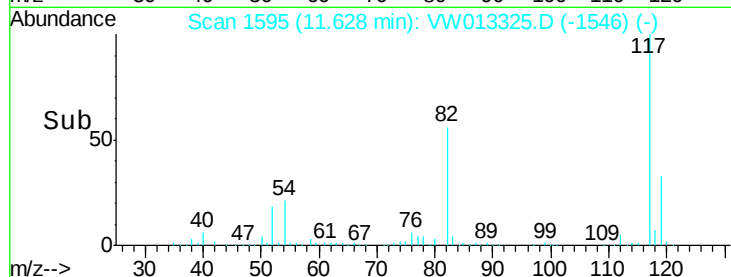
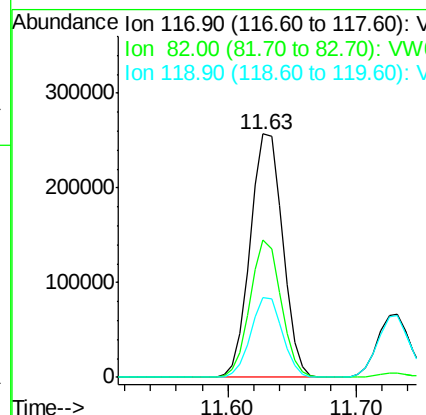
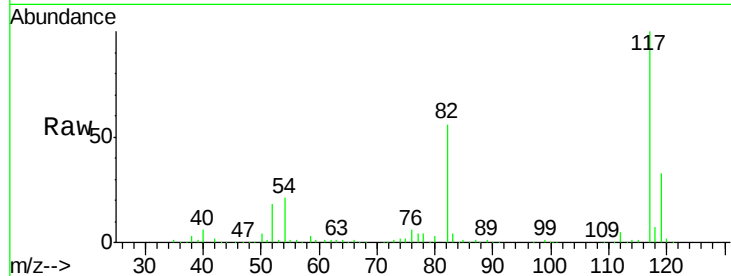
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1595
Delta R.T. -0.00 min
Lab File: VW013325.D
Acq: 30 Sep 2019 10:50

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
117	100		
82	56.4	45.9	68.9
119	33.0	26.2	39.2

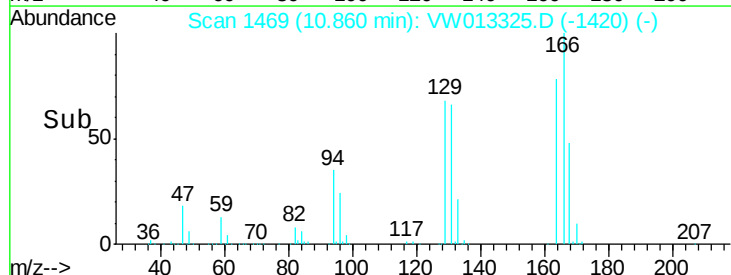
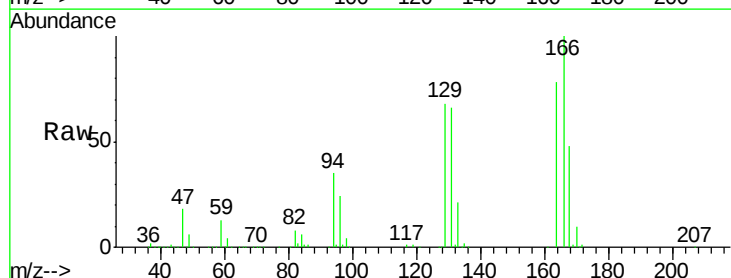
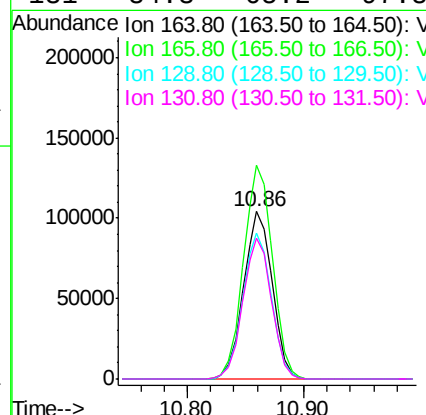
Manual Integrations
APPROVED

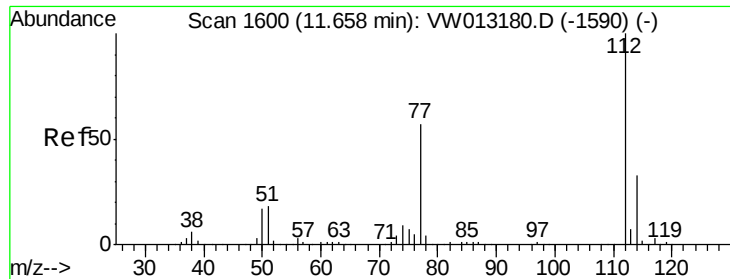
MMDadoda
10/1/2019 11:33:17 AM



#64
Tetrachloroethene
Concen: 52.808 ug/l
RT: 10.86 min Scan# 1469
Delta R.T. -0.00 min
Lab File: VW013325.D
Acq: 30 Sep 2019 10:50

Tgt Ion	Ratio	Lower	Upper
164	100		
166	127.4	101.2	151.8
129	87.0	68.8	103.2
131	84.3	65.2	97.8





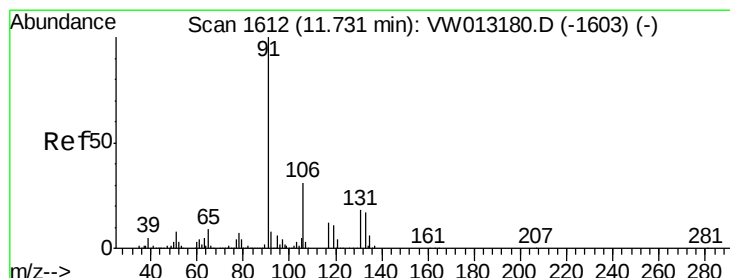
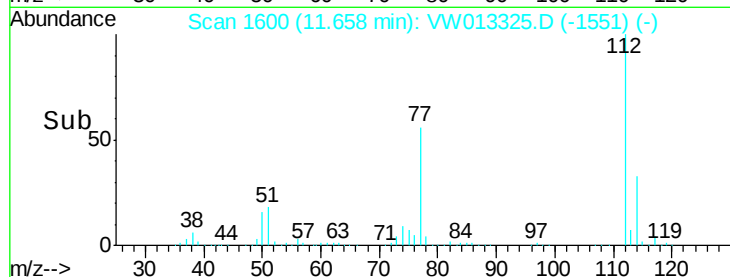
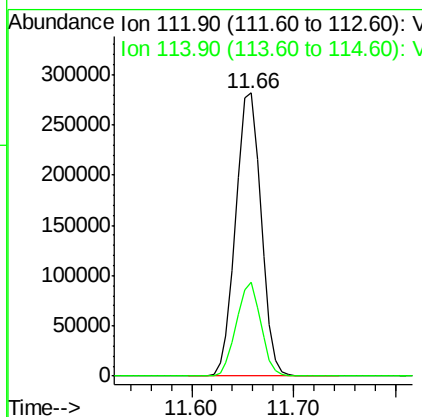
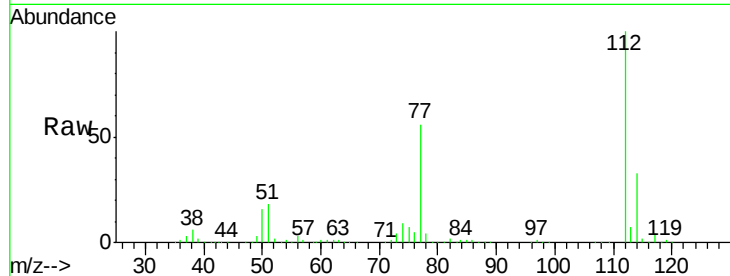
#65
Chlorobenzene
Concen: 52.026 ug/l
RT: 11.66 min Scan# 1600
Delta R.T. -0.00 min
Lab File: VW013325.D
Acq: 30 Sep 2019 10:50

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion:112 Resp: 484758
Ion Ratio Lower Upper
112 100
114 33.1 26.5 39.7

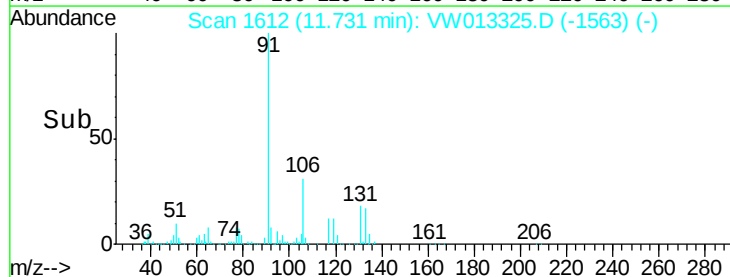
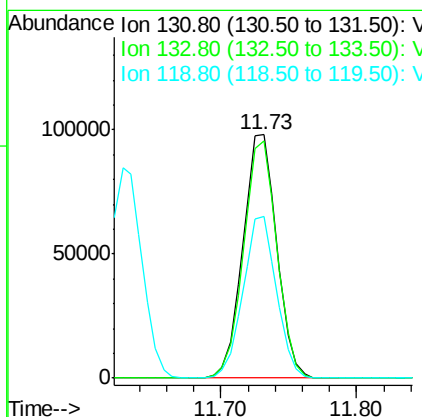
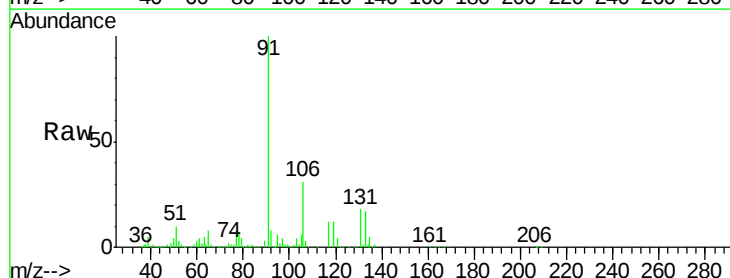
Manual Integrations
APPROVED

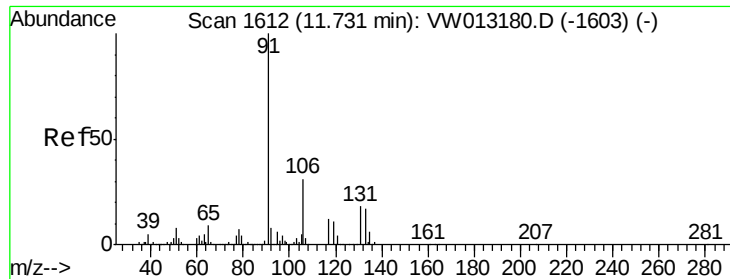
MMDadoda
10/1/2019 11:33:17 AM



#66
1,1,1,2-Tetrachloroethane
Concen: 53.540 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. -0.00 min
Lab File: VW013325.D
Acq: 30 Sep 2019 10:50

Tgt Ion:131 Resp: 170428
Ion Ratio Lower Upper
131 100
133 96.0 47.5 142.6
119 65.3 32.5 97.5





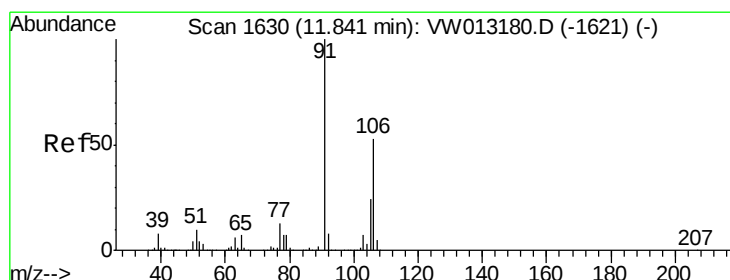
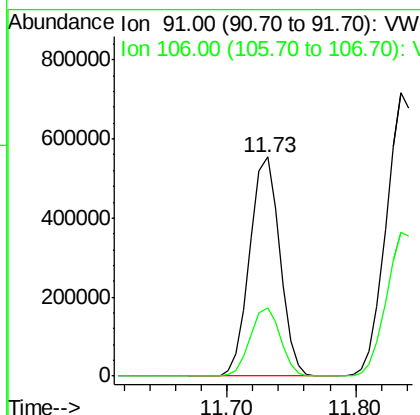
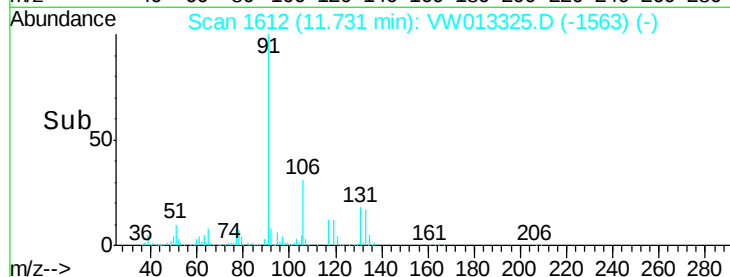
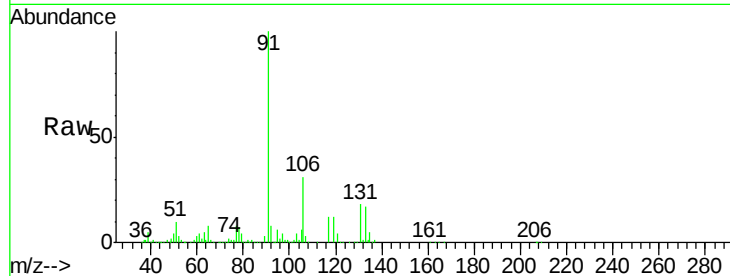
#67
Ethyl Benzene
Concen: 52.872 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. -0.00 min
Lab File: VW013325.D
Acq: 30 Sep 2019 10:50

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion	91	Resp	892612
Ion	Ratio	Lower	Upper
91	100		
106	31.2	24.9	37.3

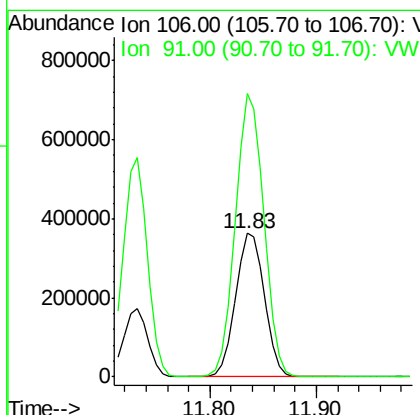
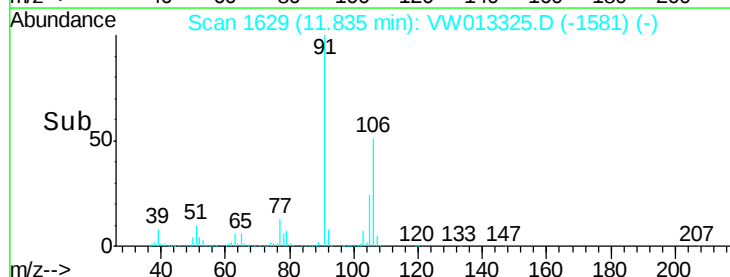
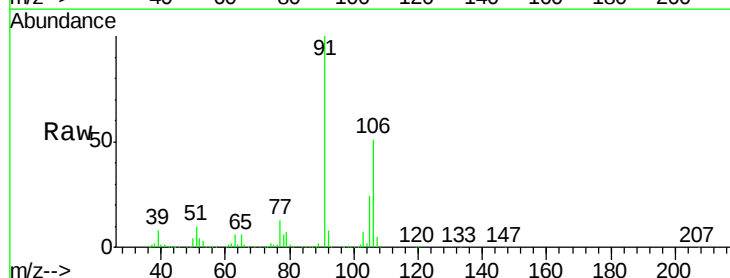
Manual Integrations
APPROVED

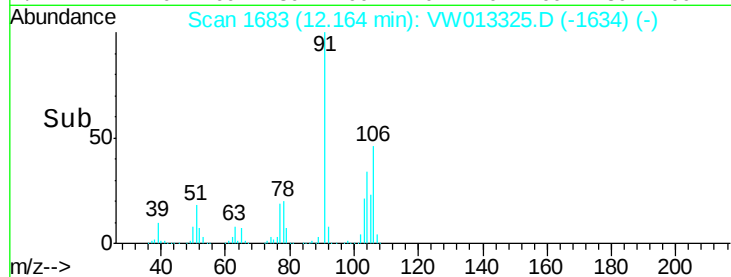
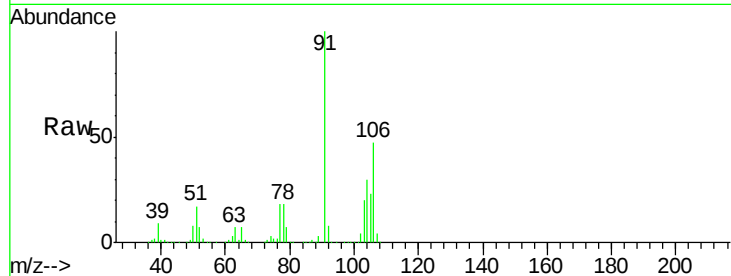
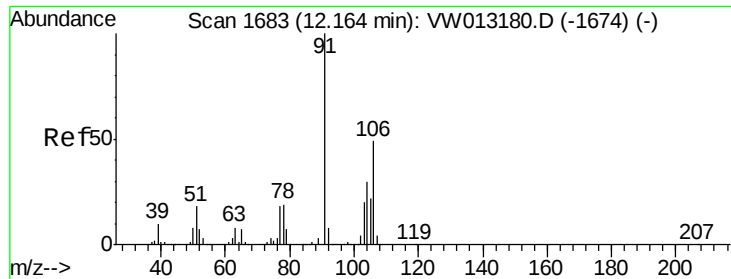
MMDadoda
10/1/2019 11:33:17 AM



#68
m/p-Xylenes
Concen: 107.205 ug/l
RT: 11.83 min Scan# 1629
Delta R.T. -0.01 min
Lab File: VW013325.D
Acq: 30 Sep 2019 10:50

Tgt Ion	106	Resp	689681
Ion	Ratio	Lower	Upper
106	100		
91	195.2	157.9	236.9





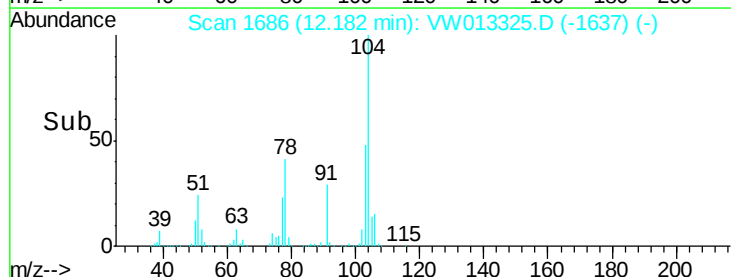
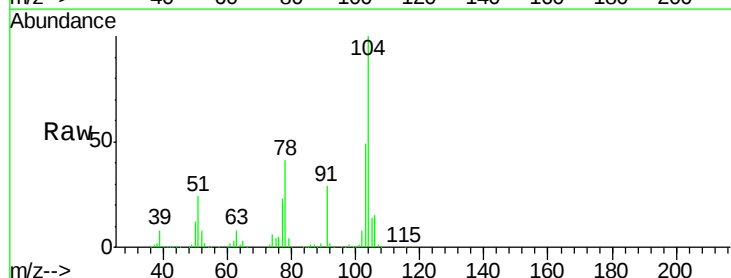
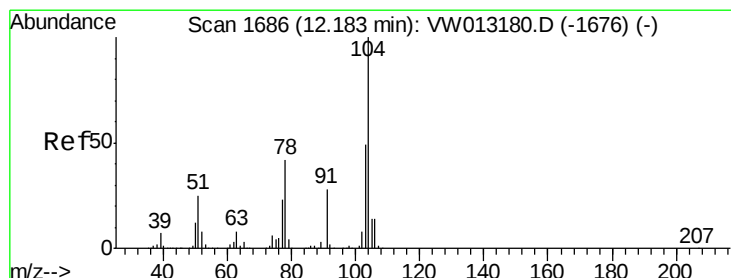
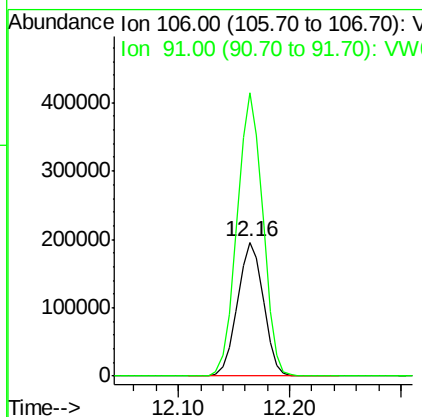
#69
o-Xylene
Concen: 52.669 ug/l
RT: 12.16 min Scan# 1683
Delta R.T. -0.00 min
Lab File: VW013325.D
Acq: 30 Sep 2019 10:50

Tot Ion	Ratio	Resp	Lower	Upper
106	100	315021		
91	210.3	106.5	319.5	

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

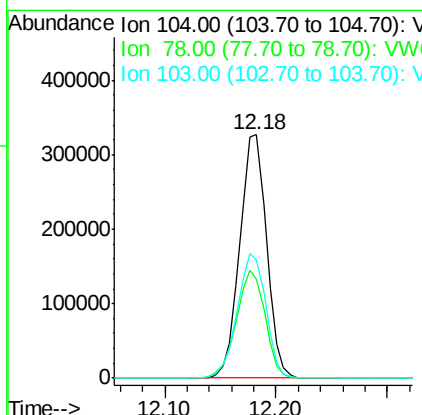
Manual Integrations
APPROVED

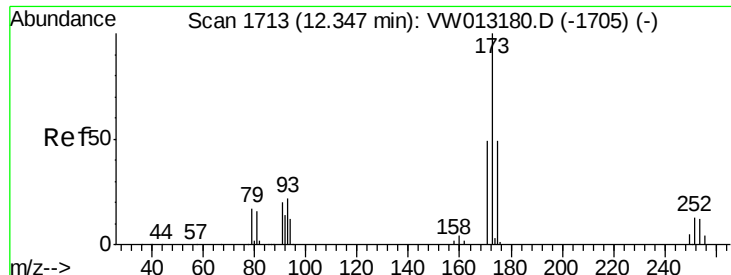
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10/1/2019 11:33:17 AM



#70
Styrene
Concen: 53.229 ug/l
RT: 12.18 min Scan# 1686
Delta R.T. -0.00 min
Lab File: VW013325.D
Acq: 30 Sep 2019 10:50

Tgt Ion	Ratio	Resp	Lower	Upper
104	100	546580		
78	47.4	38.4	57.6	
103	54.4	43.3	64.9	





#71

Bromoform

Concen: 53.016 ug/l

RT: 12.35 min Scan# 1713

Delta R.T. -0.00 min

Lab File: VW013325.D

Acq: 30 Sep 2019 10:50

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

Tot Ion:173 Resp: 89156

Ion Ratio Lower Upper

173 100

175 47.5 24.3 73.0

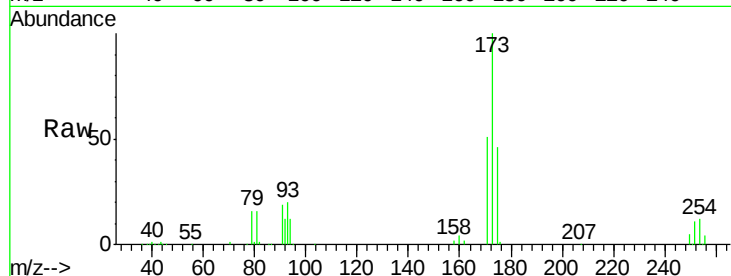
254 0.0 0.1 0.1#

Manual Integrations

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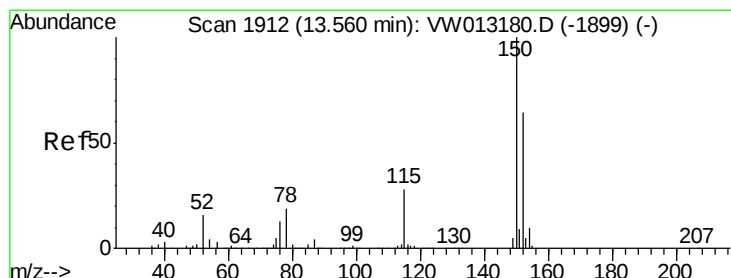
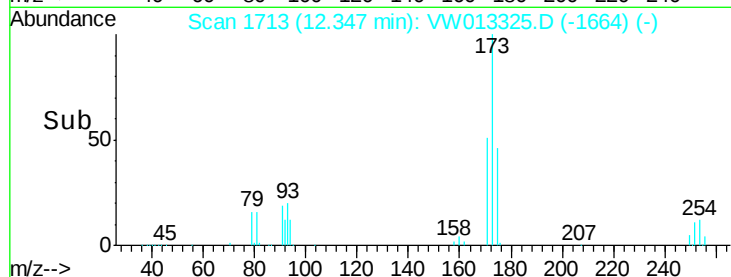
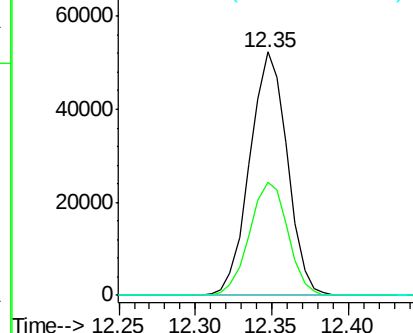
10/1/2019 11:33:17 AM



Abundance Ion 172.70 (172.40 to 173.40): V

Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.56 min Scan# 1912

Delta R.T. -0.00 min

Lab File: VW013325.D

Acq: 30 Sep 2019 10:50

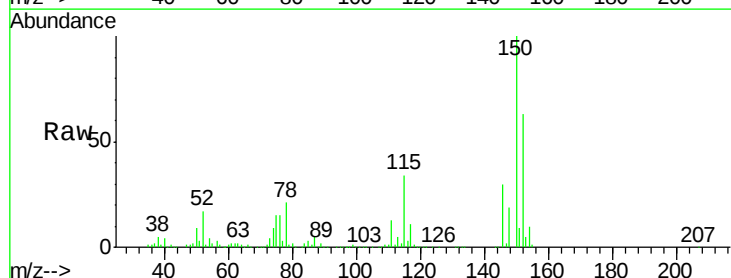
Tgt Ion:152 Resp: 225941

Ion Ratio Lower Upper

152 100

115 55.3 27.3 81.9

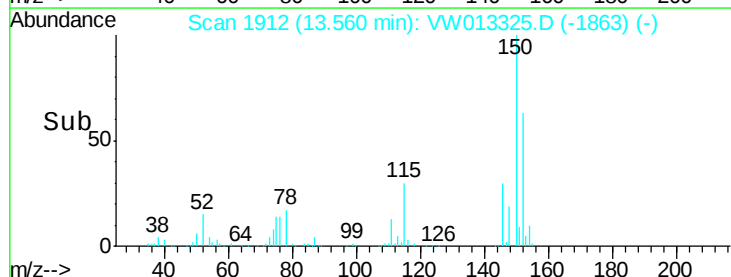
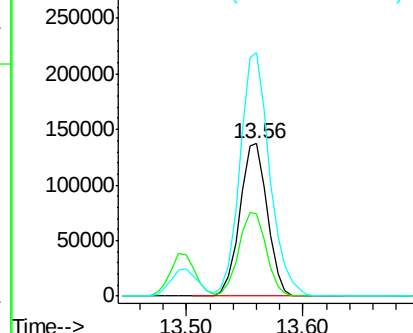
150 172.5 0.0 349.0

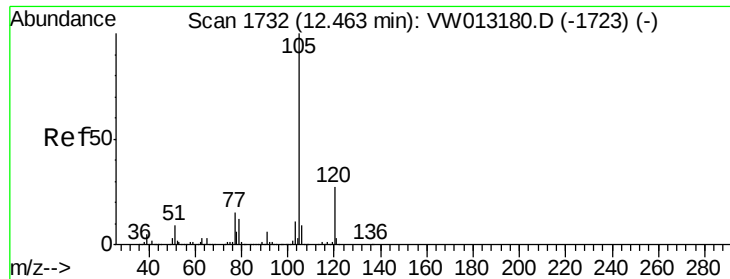


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 53.017 ug/l

RT: 12.46 min Scan# 1732

Delta R.T. -0.00 min

Lab File: VW013325.D

Acq: 30 Sep 2019 10:50

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

Tot Ion: 105 Resp: 884887

Ion Ratio Lower Upper

105 100

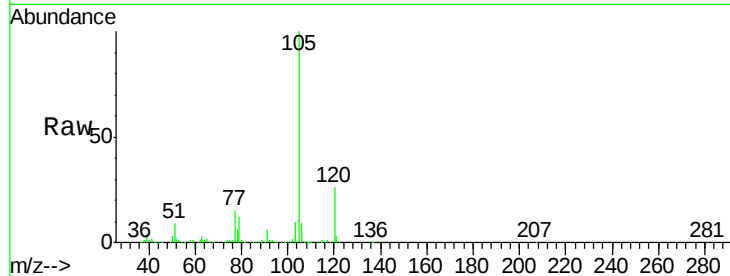
120 26.8 13.4 40.1

Manual Integrations

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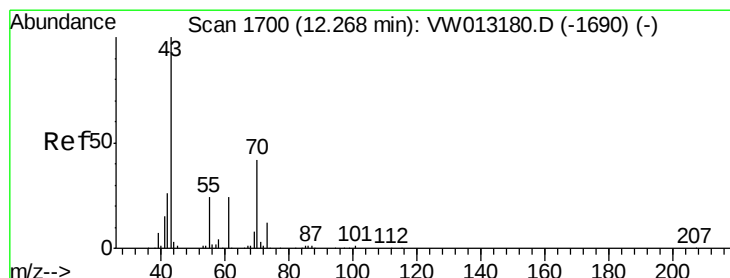
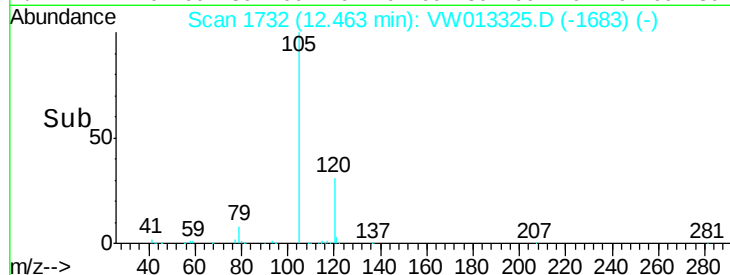
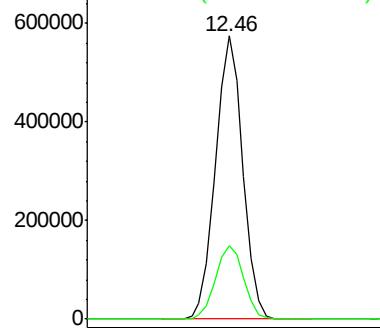
MMDadoda

10/1/2019 11:33:17 AM



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 48.634 ug/l

RT: 12.27 min Scan# 1700

Delta R.T. -0.00 min

Lab File: VW013325.D

Acq: 30 Sep 2019 10:50

Tgt Ion: 43 Resp: 180123

Ion Ratio Lower Upper

43 100

70 45.3 35.1 52.7

55 24.3 19.9 29.9

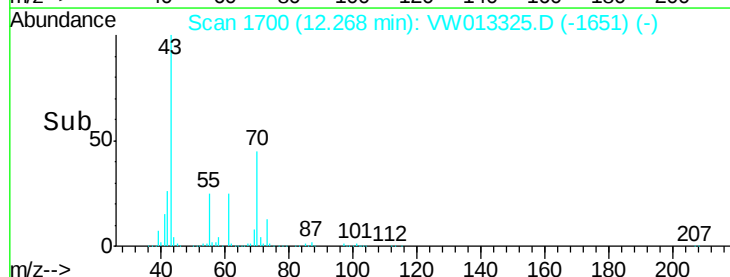
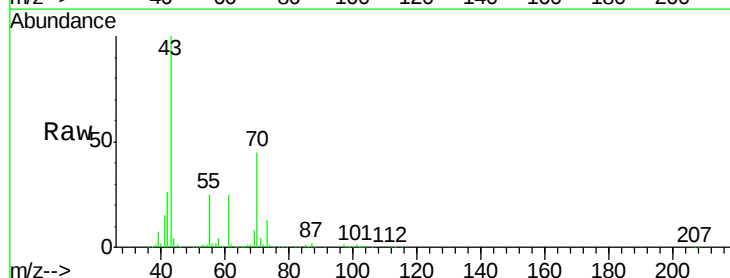
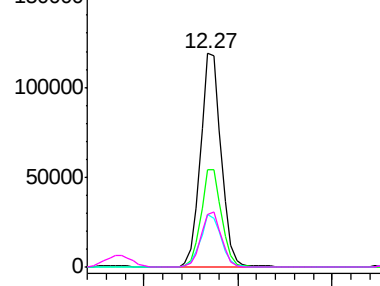
61 25.5 19.5 29.3

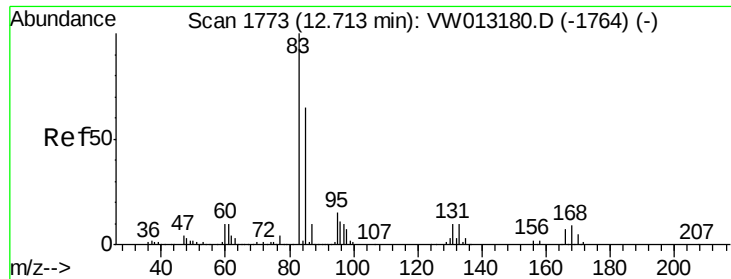
Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 70.00 (69.70 to 70.70): VW

Ion 55.00 (54.70 to 55.70): VW

Ion 61.00 (60.70 to 61.70): VW





#75

1,1,2,2-Tetrachloroethane

Concen: 47.836 ug/l

RT: 12.71 min Scan# 1773

Delta R.T. -0.00 min

Lab File: VW013325.D

Acq: 30 Sep 2019 10:50

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

Tot Ion: 83 Resp: 133528

Ion Ratio Lower Upper

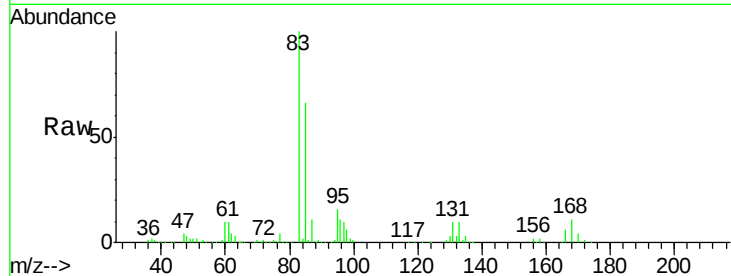
83 100

131 11.1 5.4 16.2

85 64.2 31.9 95.9

Manual Integrations
APPROVED

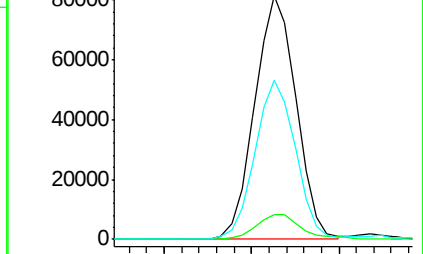
MMDadoda
10/1/2019 11:33:17 AM



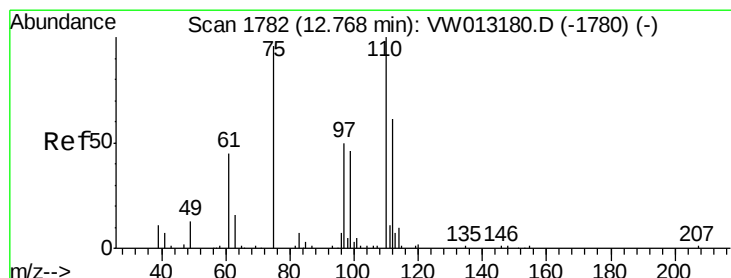
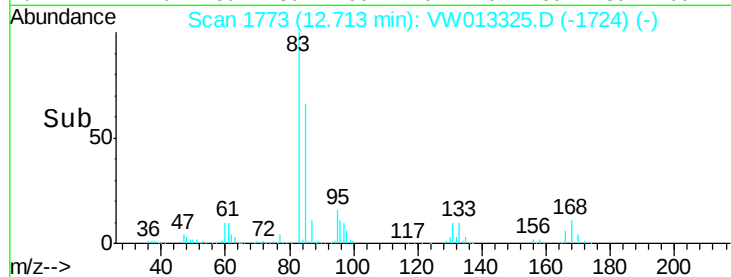
Abundance Ion 82.90 (82.60 to 83.60): VW

Ion 130.80 (130.50 to 131.50): VW

Ion 84.90 (84.60 to 85.60): VW



Time-->



#76

1,2,3-Trichloropropane

Concen: 52.180 ug/l m

RT: 12.77 min Scan# 1782

Delta R.T. -0.00 min

Lab File: VW013325.D

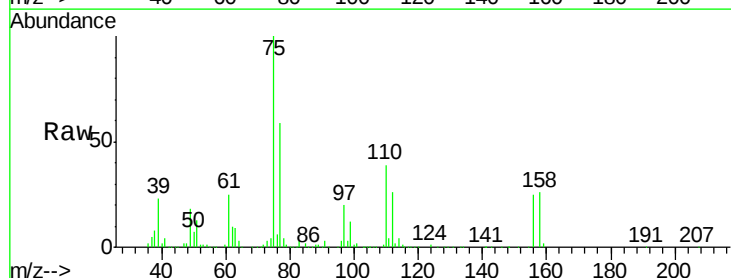
Acq: 30 Sep 2019 10:50

Tgt Ion: 75 Resp: 104117

Ion Ratio Lower Upper

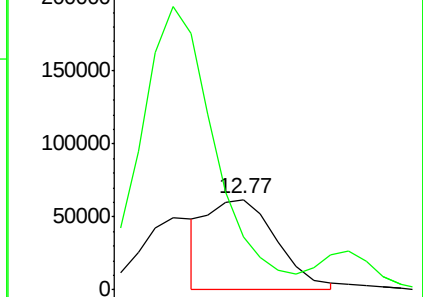
75 100

77 0.0 0.0 0.0

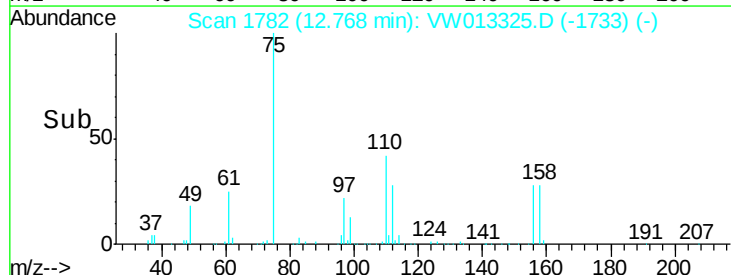


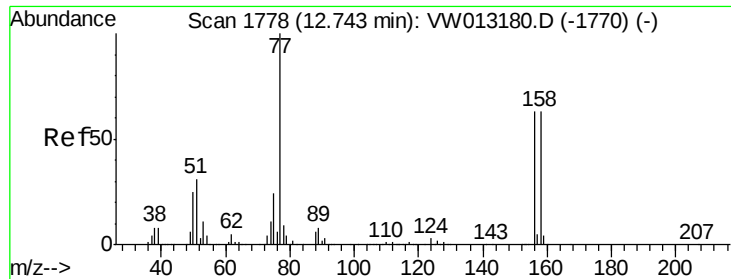
Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 77.00 (76.70 to 77.70): VW



Time-->





#77

Bromobenzene

Concen: 52.233 ug/l

RT: 12.74 min Scan# 1778

Delta R.T. -0.00 min

Lab File: VW013325.D

Acq: 30 Sep 2019 10:50

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

Tot Ion:156 Resp: 206590

Ion Ratio Lower Upper

156 100

77 169.6 85.7 257.1

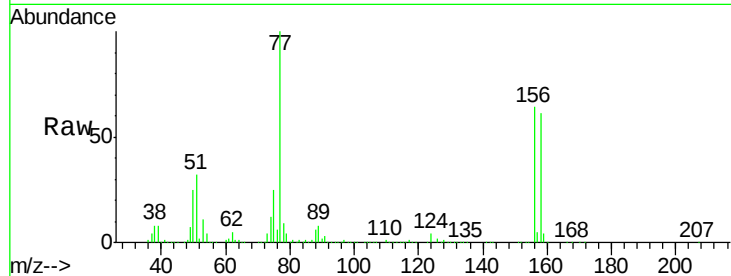
158 96.8 48.1 144.4

Manual Integrations

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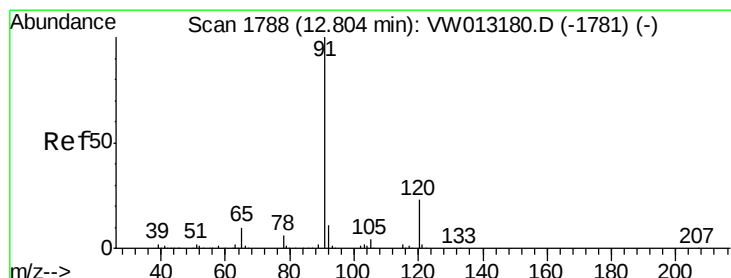
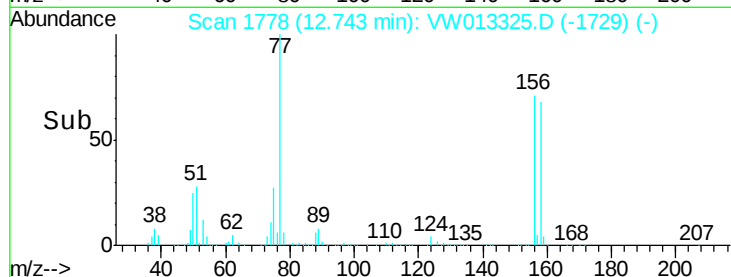
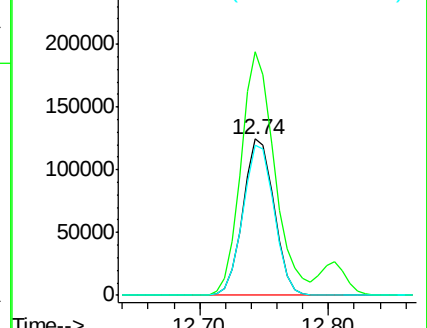
10/1/2019 11:33:17 AM



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: 53.210 ug/l

RT: 12.80 min Scan# 1788

Delta R.T. -0.00 min

Lab File: VW013325.D

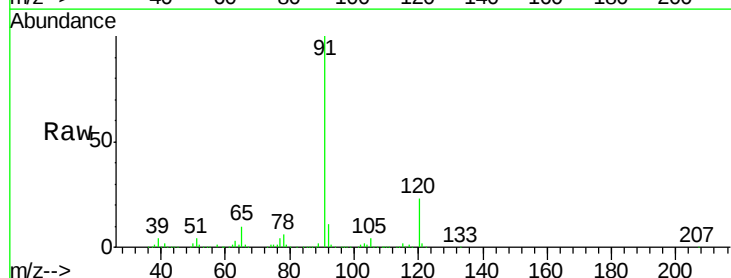
Acq: 30 Sep 2019 10:50

Tgt Ion: 91 Resp: 1039545

Ion Ratio Lower Upper

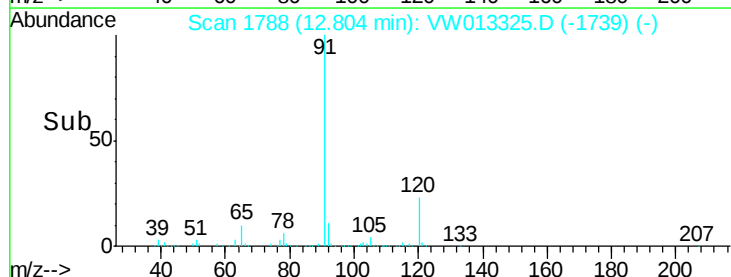
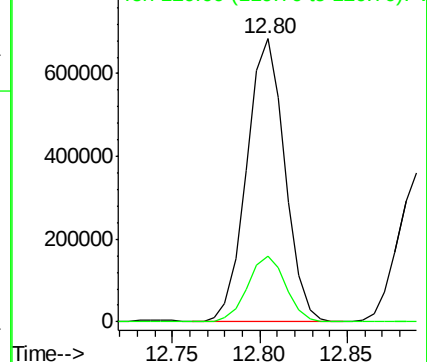
91 100

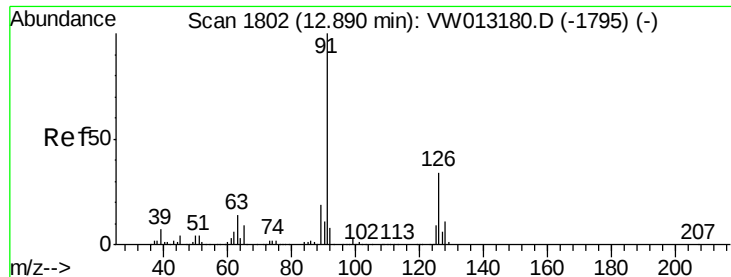
120 23.3 11.7 35.1



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 52.580 ug/l

RT: 12.89 min Scan# 1802

Delta R.T. -0.00 min

Lab File: VW013325.D

Acq: 30 Sep 2019 10:50

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

Tot Ion: 91 Resp: 575492

Ion Ratio Lower Upper

91 100

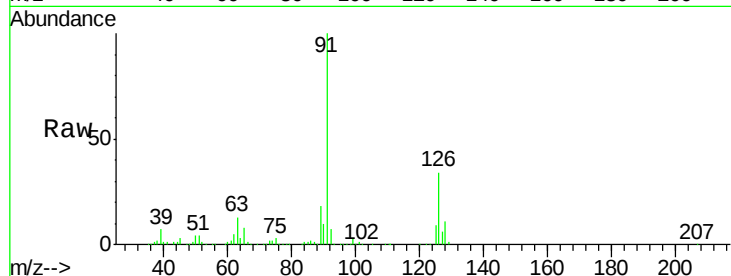
126 34.2 17.2 51.5

Manual Integrations

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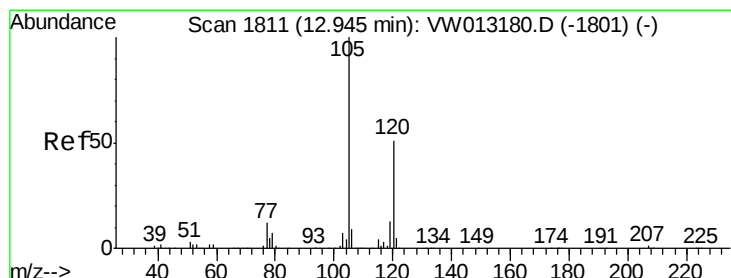
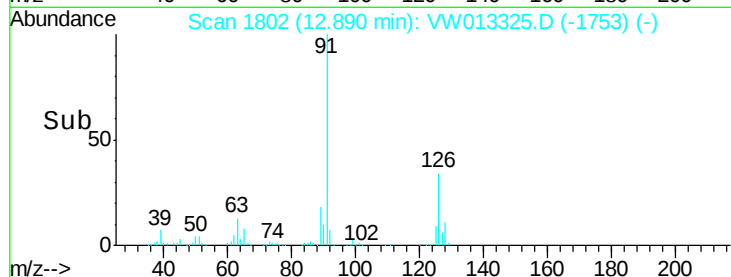
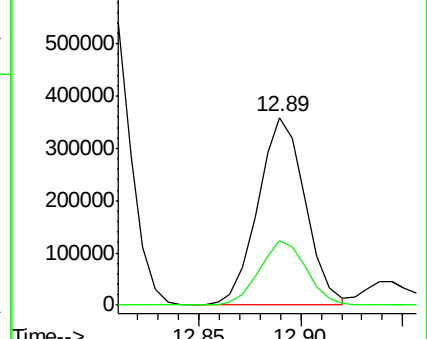
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10/1/2019 11:33:17 AM



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 125.90 (125.60 to 126.60): V



#80

1,3,5-Trimethylbenzene

Concen: 52.656 ug/l

RT: 12.94 min Scan# 1811

Delta R.T. -0.00 min

Lab File: VW013325.D

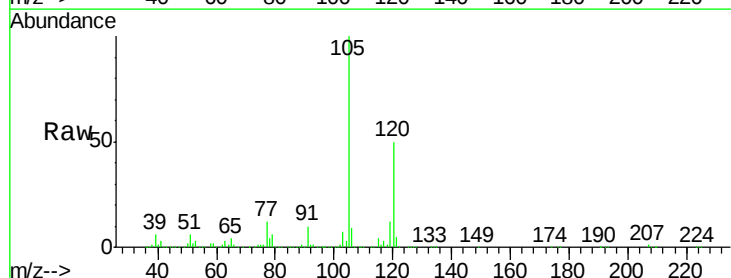
Acq: 30 Sep 2019 10:50

Tgt Ion:105 Resp: 738774

Ion Ratio Lower Upper

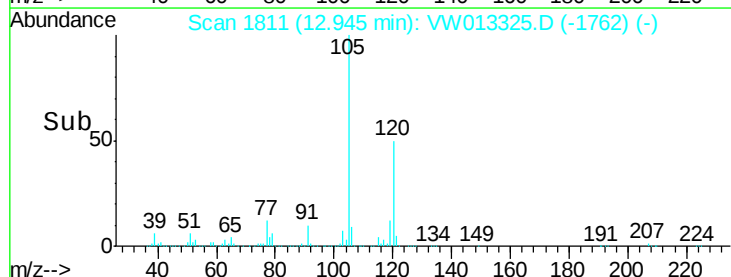
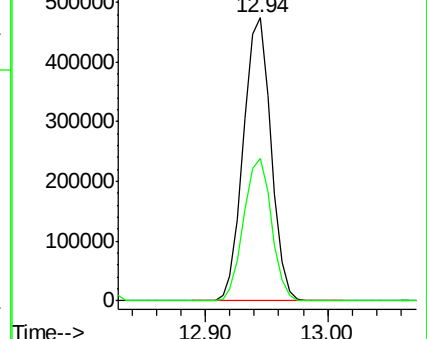
105 100

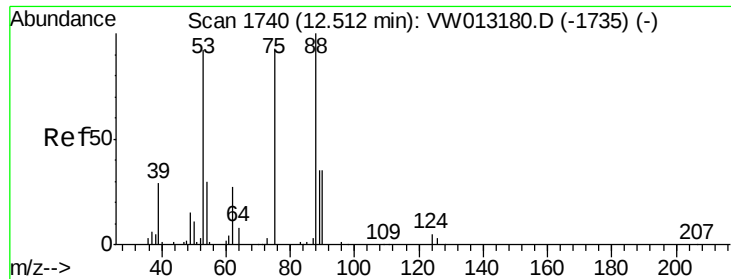
120 50.8 24.9 74.8



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





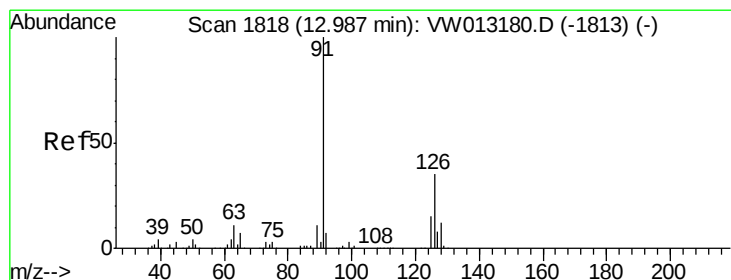
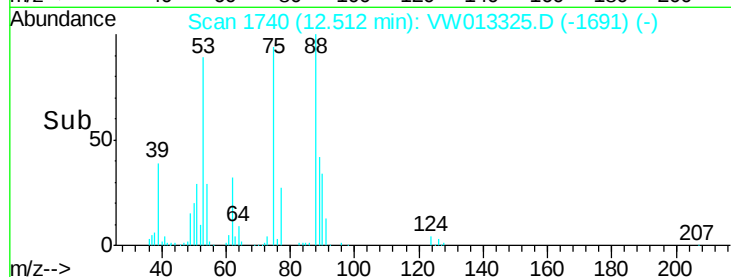
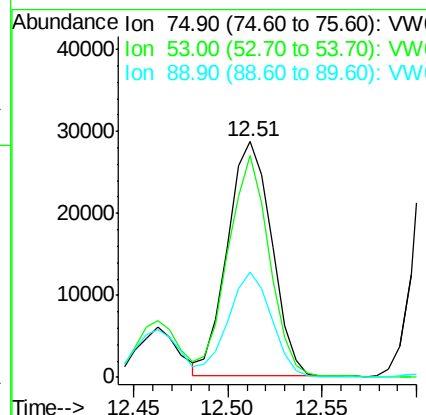
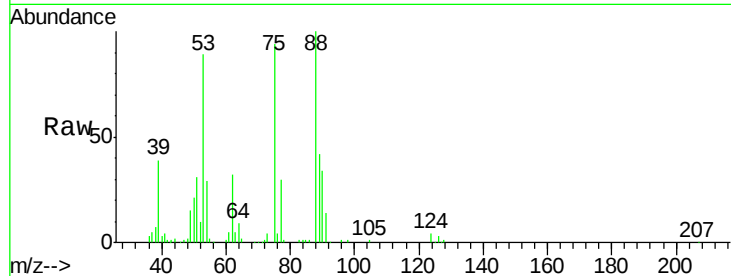
#81
trans-1,4-Dichloro-2-butene
Concen: 52.338 ug/l
RT: 12.51 min Scan# 1740
Delta R.T. -0.00 min
Lab File: VW013325.D
Acq: 30 Sep 2019 10:50

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
75	100		
53	89.6	76.6	114.8
89	44.7	33.5	50.3

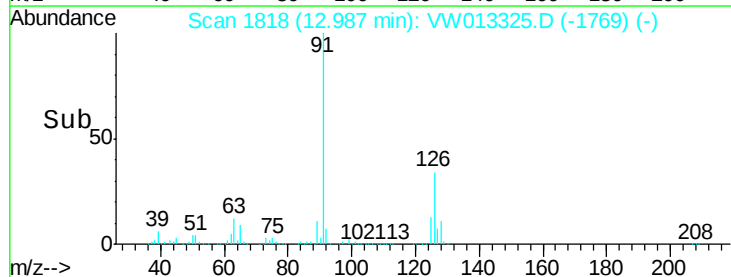
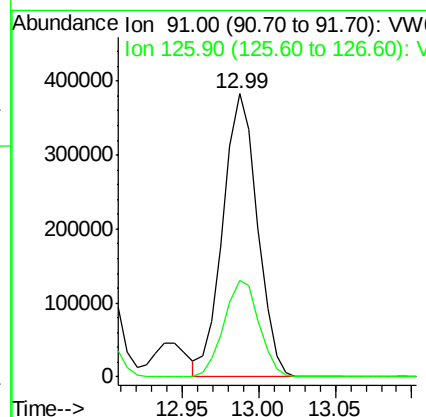
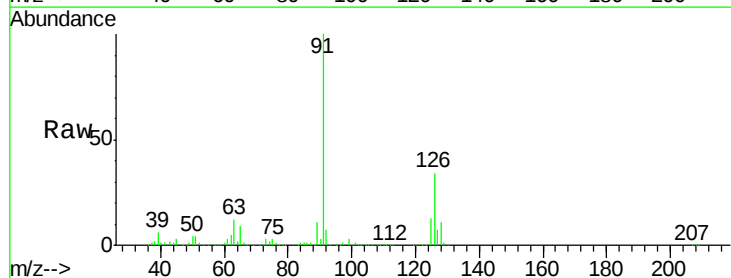
Manual Integrations
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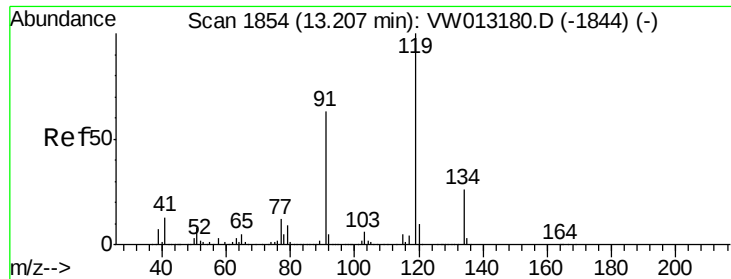
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#82
4-Chlorotoluene
Concen: 51.985 ug/l
RT: 12.99 min Scan# 1818
Delta R.T. -0.00 min
Lab File: VW013325.D
Acq: 30 Sep 2019 10:50

Tgt Ion	Ratio	Lower	Upper
91	100		
126	34.9	17.3	51.7





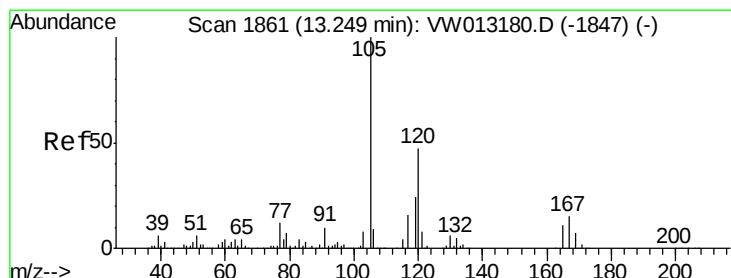
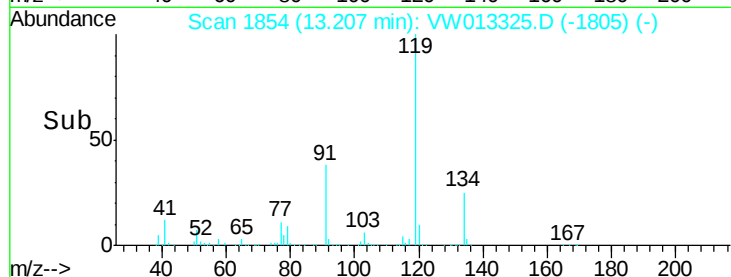
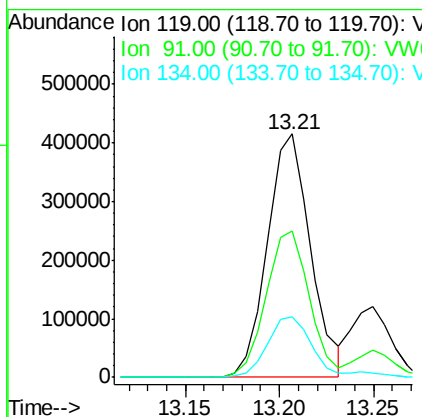
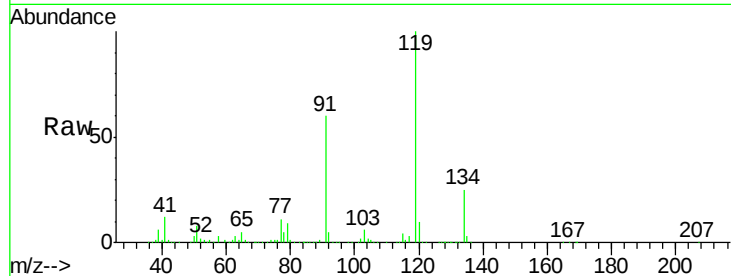
#83
tert-Butylbenzene
Concen: 53.685 ug/l
RT: 13.21 min Scan# 1854
Delta R.T. -0.00 min
Lab File: VW013325.D
Acq: 30 Sep 2019 10:50

Instrument :
MSVOA_W
ClientSampled :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
119	100		
91	60.1	30.7	92.1
134	26.8	12.6	37.6

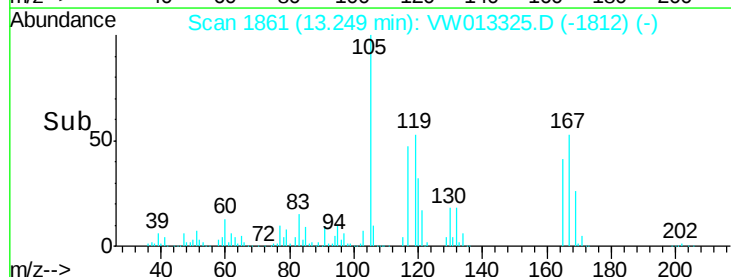
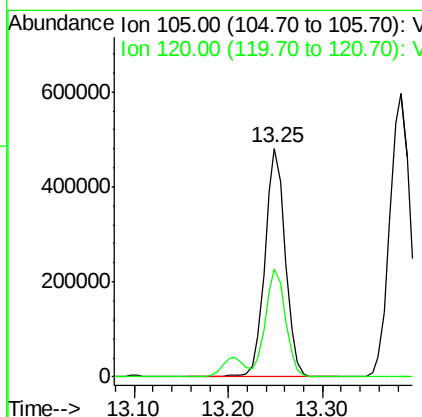
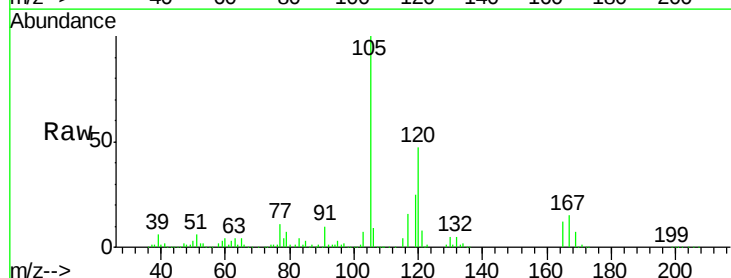
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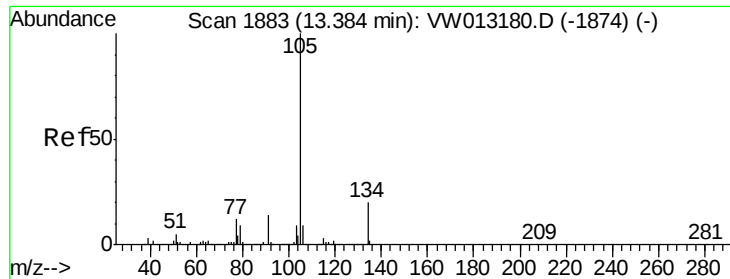
MMDadoda
10/1/2019 11:33:17 AM



#84
1,2,4-Trimethylbenzene
Concen: 52.421 ug/l
RT: 13.25 min Scan# 1861
Delta R.T. -0.00 min
Lab File: VW013325.D
Acq: 30 Sep 2019 10:50

Tgt Ion	Ratio	Lower	Upper
105	100		
120	46.3	23.4	70.3





#85

sec-Butylbenzene

Concen: 53.521 ug/l

RT: 13.38 min Scan# 1883

Delta R.T. -0.00 min

Lab File: VW013325.D

Acq: 30 Sep 2019 10:50

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

Tot Ion:105 Resp: 908656

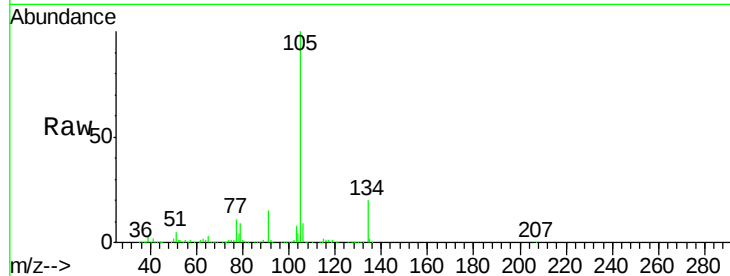
Ion Ratio Lower Upper

105 100

134 20.3 10.3 30.8

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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

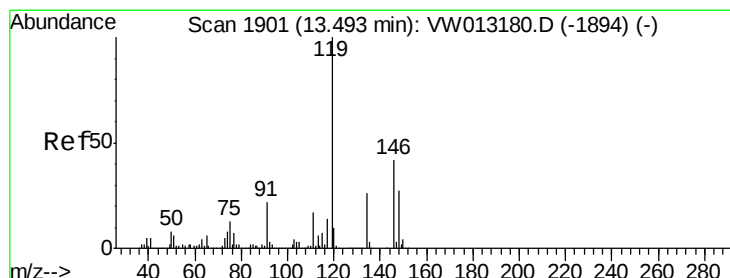
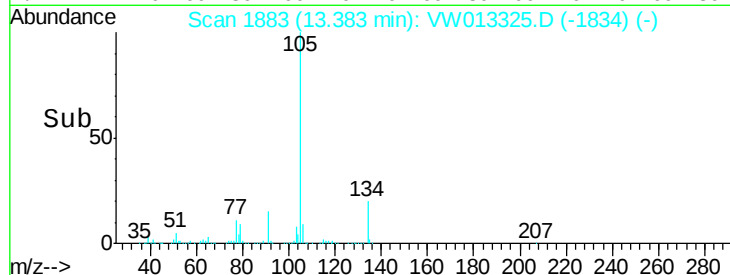
600000

400000

200000

0

Time--> 13.30 13.40



#86

p-Isopropyltoluene

Concen: 53.543 ug/l

RT: 13.50 min Scan# 1902

Delta R.T. 0.01 min

Lab File: VW013325.D

Acq: 30 Sep 2019 10:50

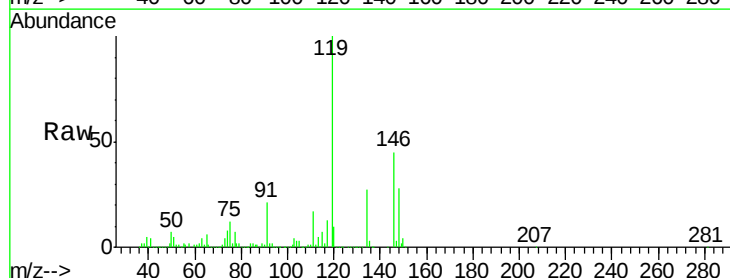
Tgt Ion:119 Resp: 843133

Ion Ratio Lower Upper

119 100

134 26.1 13.3 39.8

91 21.5 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

13.50

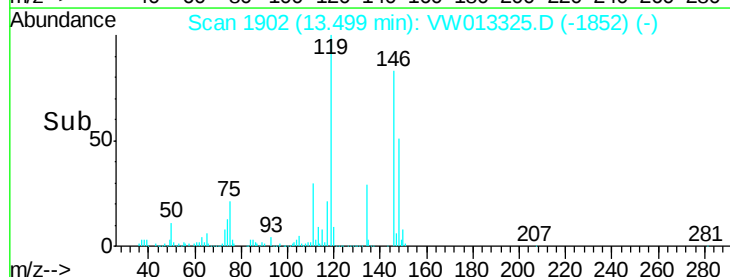
600000

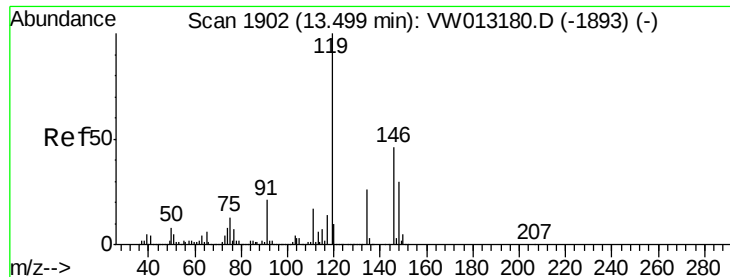
400000

200000

0

Time--> 13.45 13.50 13.55





#87

1,3-Dichlorobenzene

Concen: 52.404 ug/l

RT: 13.50 min Scan# 1902

Delta R.T. -0.00 min

Lab File: VW013325.D

Acq: 30 Sep 2019 10:50

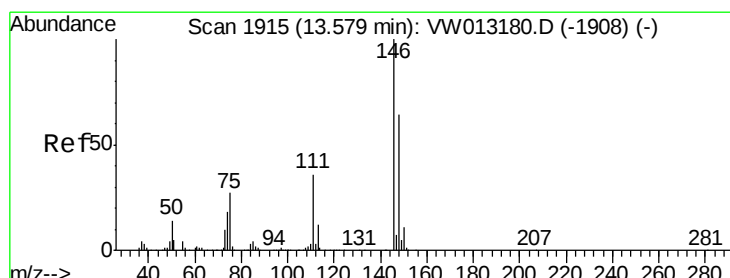
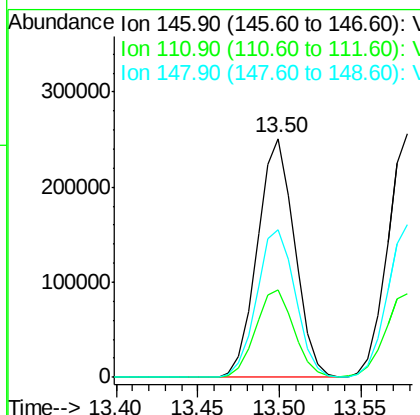
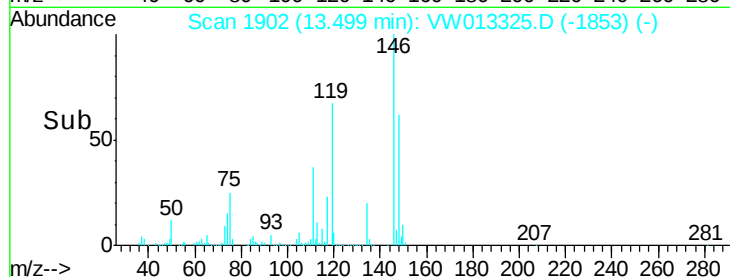
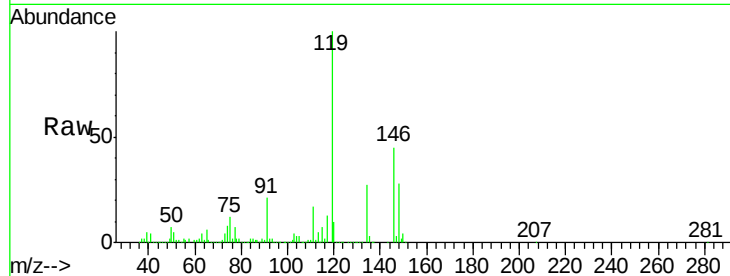
Instrument :
MSVOA_W

ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
146	100	398901		
111	37.6	18.9	56.9	
148	64.1	31.9	95.5	

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#88

1,4-Dichlorobenzene

Concen: 52.687 ug/l

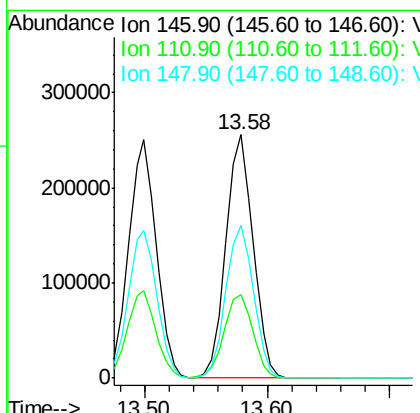
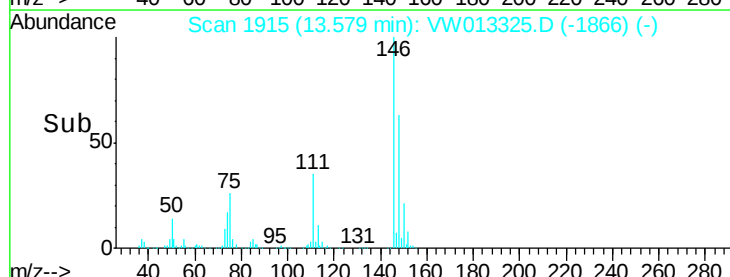
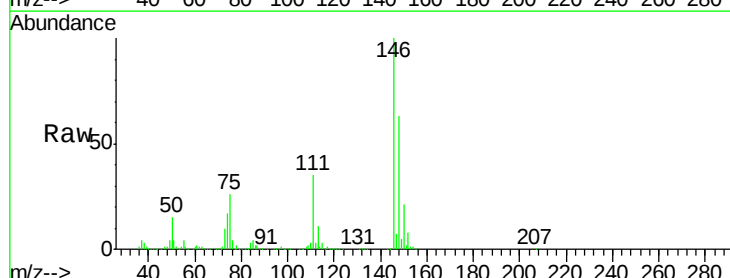
RT: 13.58 min Scan# 1915

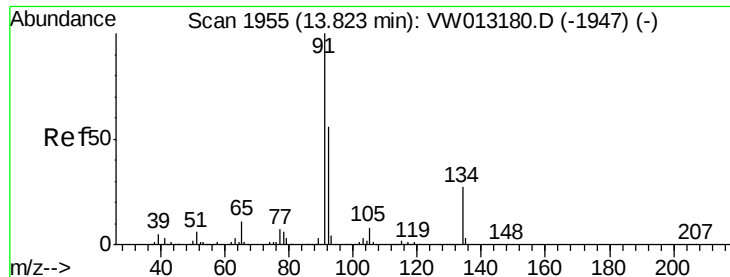
Delta R.T. -0.00 min

Lab File: VW013325.D

Acq: 30 Sep 2019 10:50

Tgt Ion	Ratio	Resp	Lower	Upper
146	100	393329		
111	36.3	18.4	55.0	
148	64.0	32.1	96.3	





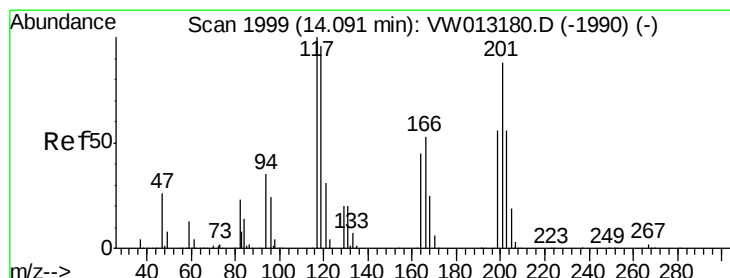
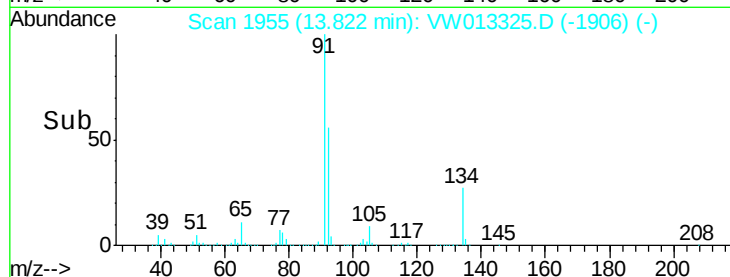
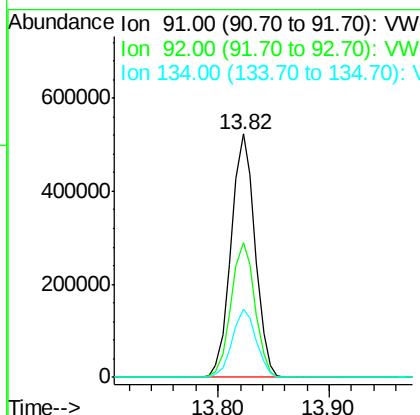
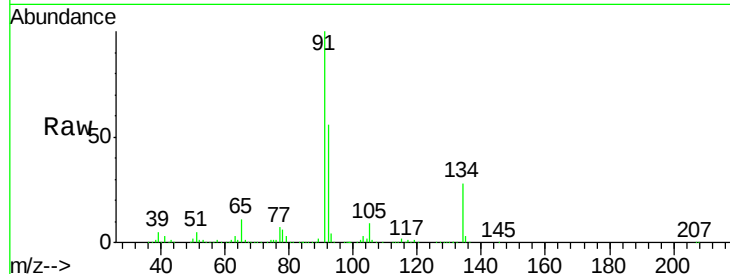
#89
n-Butylbenzene
Concen: 54.034 ug/l
RT: 13.82 min Scan# 1955
Delta R.T. -0.00 min
Lab File: VW013325.D
Acq: 30 Sep 2019 10:50

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
91	100	776934		
92	55.3		27.6	82.8
134	27.7		13.7	41.1

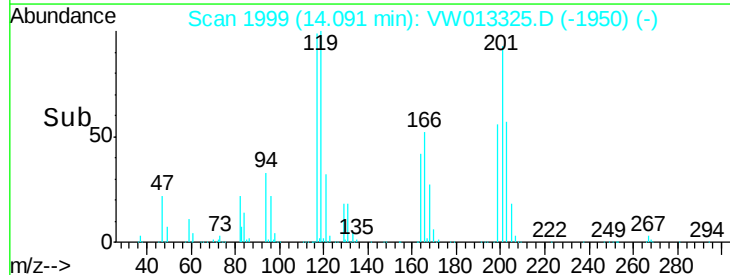
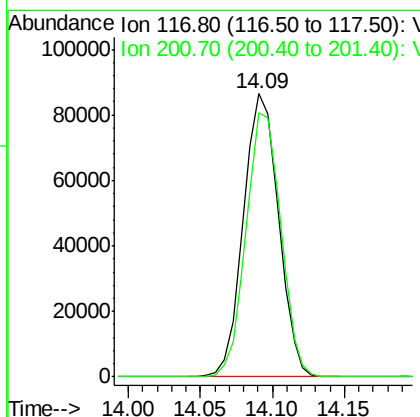
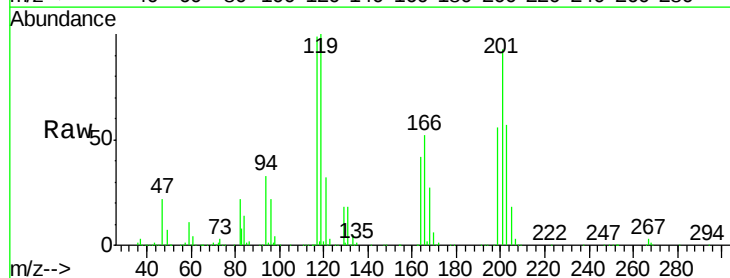
Manual Integrations
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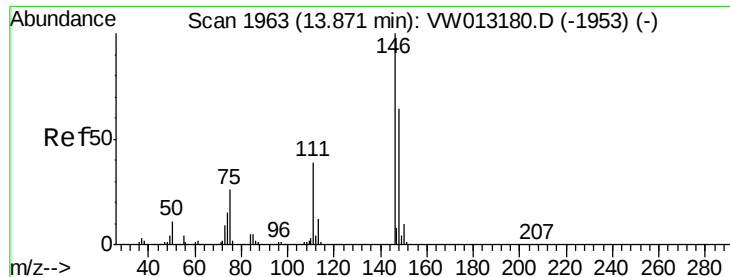
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#90
Hexachloroethane
Concen: 55.127 ug/l
RT: 14.09 min Scan# 1999
Delta R.T. -0.00 min
Lab File: VW013325.D
Acq: 30 Sep 2019 10:50

Tgt Ion	Ratio	Resp	Lower	Upper
117	100	145829		
201	92.4		44.5	133.5





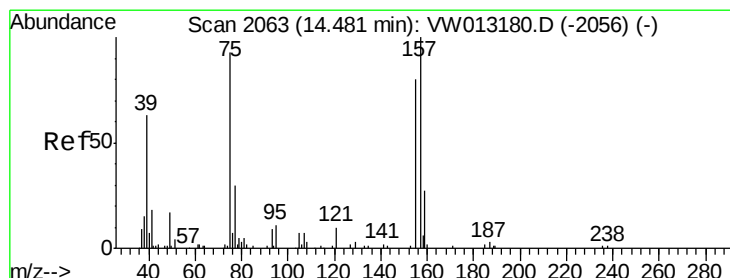
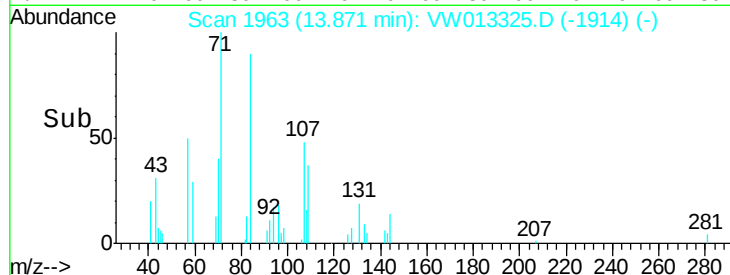
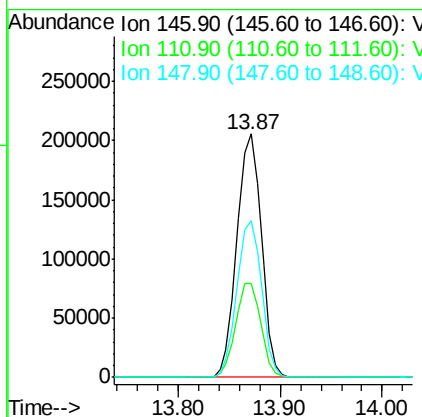
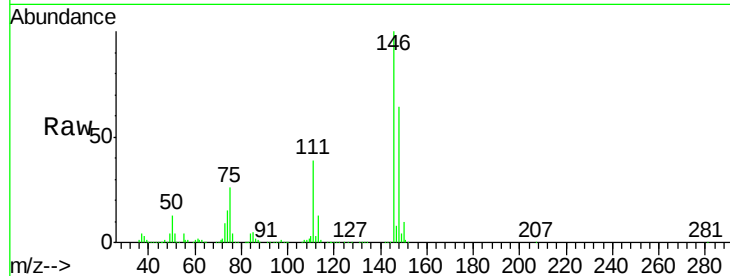
#91
 1,2-Dichlorobenzene
 Concen: 52.068 ug/l
 RT: 13.87 min Scan# 1963
 Delta R.T. -0.00 min
 Lab File: VW013325.D
 Acq: 30 Sep 2019 10:50

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
146	100	342886		
111	39.4	20.1	60.3	
148	64.5	32.0	96.0	

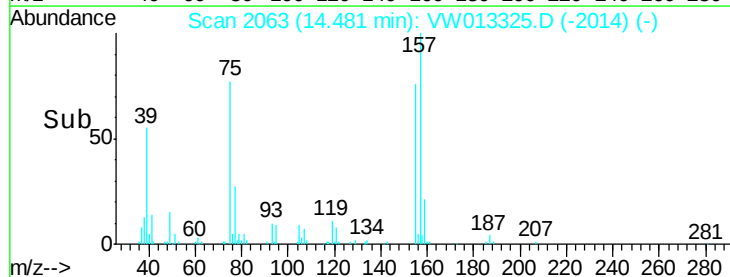
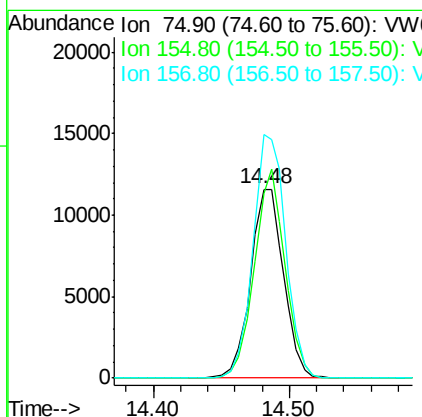
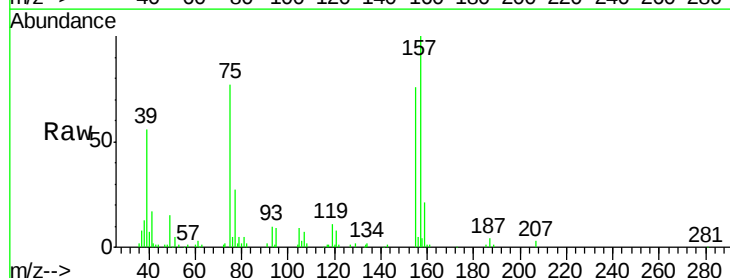
Manual Integrations
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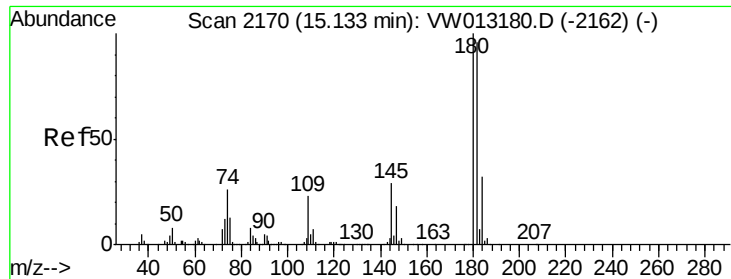
MMDadoda
 10/1/2019 11:33:17 AM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 46.270 ug/l
 RT: 14.48 min Scan# 2063
 Delta R.T. -0.00 min
 Lab File: VW013325.D
 Acq: 30 Sep 2019 10:50

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	19755		
155	102.4	46.1	138.3	
157	127.2	60.4	181.2	





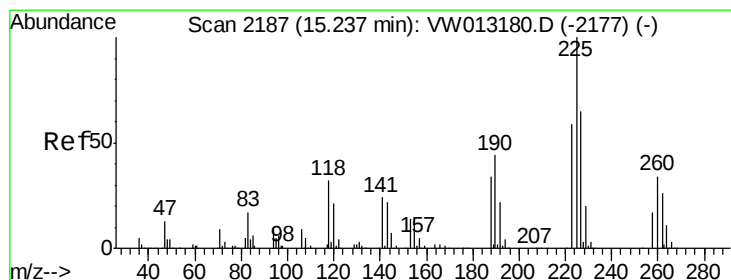
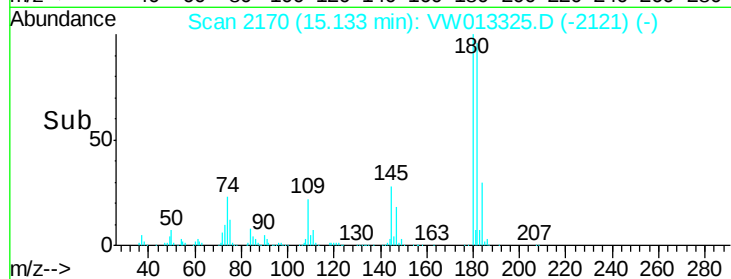
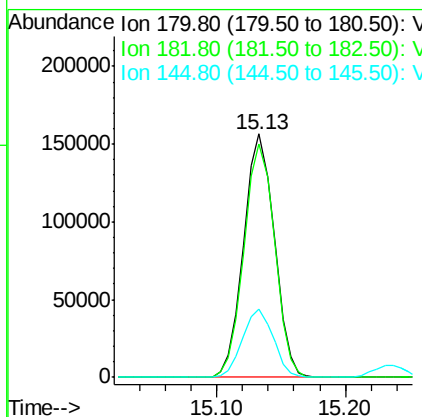
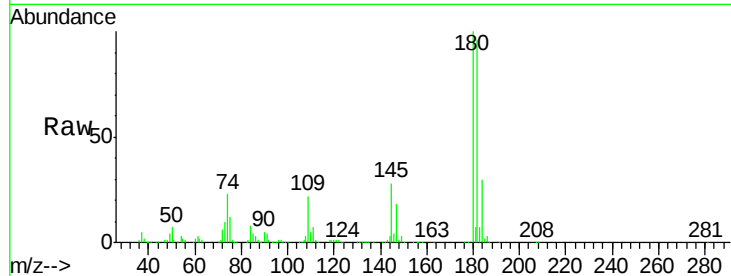
#93
 1,2,4-Trichlorobenzene
 Concen: 54.771 ug/l
 RT: 15.13 min Scan# 2170
 Delta R.T. -0.00 min
 Lab File: VW013325.D
 Acq: 30 Sep 2019 10:50

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
180	100	258461		
182	95.7	47.3	142.0	
145	28.0	14.2	42.8	

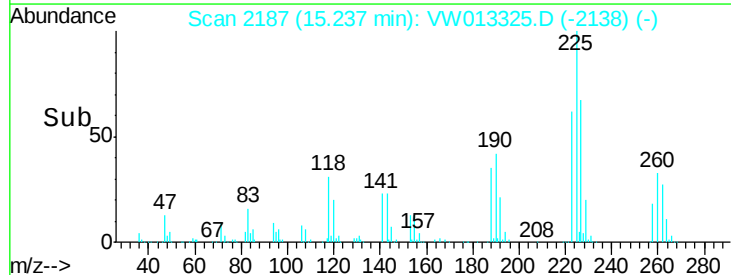
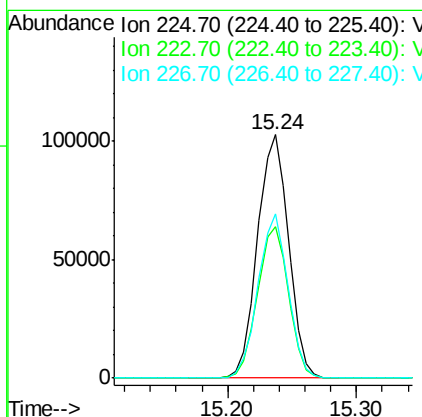
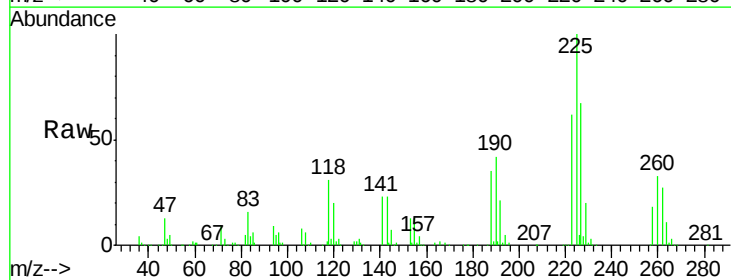
Manual Integrations
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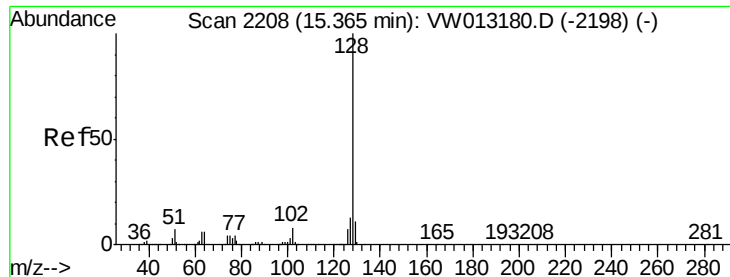
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#94
 Hexachlorobutadiene
 Concen: 52.964 ug/l
 RT: 15.24 min Scan# 2187
 Delta R.T. -0.00 min
 Lab File: VW013325.D
 Acq: 30 Sep 2019 10:50

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	170989		
223	62.5	30.6	91.8	
227	65.2	31.9	95.9	





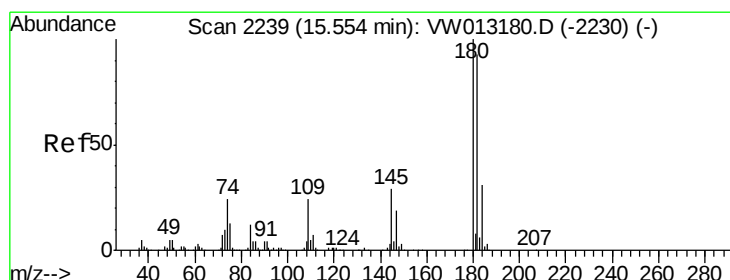
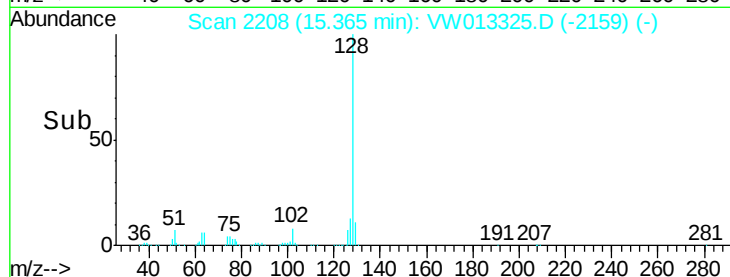
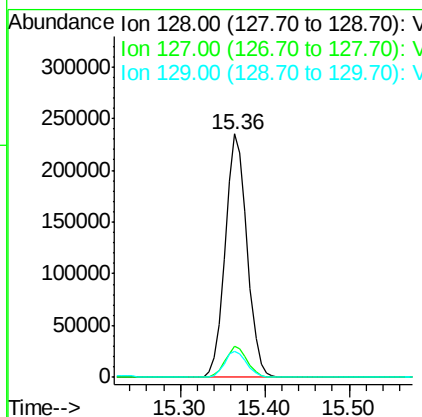
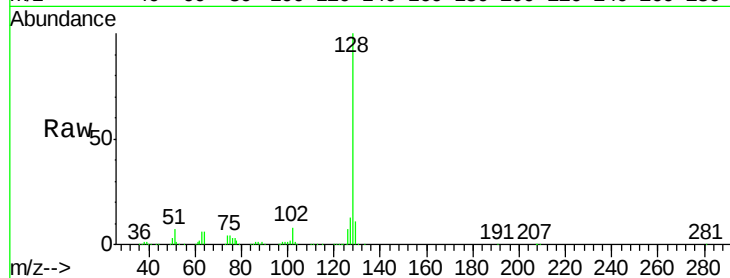
#95
Naphthalene
Concen: 53.754 ug/l
RT: 15.36 min Scan# 2208
Delta R.T. -0.00 min
Lab File: VW013325.D
Acq: 30 Sep 2019 10:50

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
128	100		
127	12.9	10.6	15.8
129	10.9	8.7	13.1

Manual Integrations
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#96
1,2,3-Trichlorobenzene
Concen: 54.043 ug/l
RT: 15.55 min Scan# 2239
Delta R.T. -0.00 min
Lab File: VW013325.D
Acq: 30 Sep 2019 10:50

Tgt Ion	Ratio	Lower	Upper
180	100		
182	96.0	47.9	143.7
145	29.6	15.0	45.0

