

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW010919\
 Data File : VW008119.D
 Acq On : 09 Jan 2019 23:40
 Operator : SY/AP
 Sample : VSTDCCC050
 Misc : 5.00G/5ML/MSVOA W/SOIL
 ALS Vial : 30 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

MMDadoda
 1/10/2019 5:06:04 PM

Quant Time: Jan 10 06:23:39 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W010819S.M
 Quant Title : SW846 8260
 QLast Update : Wed Jan 09 04:40:48 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	80916	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	141352	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	129893	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	61928	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.31	65	43976	48.36	ug/l	0.00
Spiked Amount			Recovery	=	96.72%	
35) Dibromofluoromethane	7.88	113	41345	50.15	ug/l	0.00
Spiked Amount			Recovery	=	100.30%	
50) Toluene-d8	10.32	98	163948	47.39	ug/l	0.00
Spiked Amount			Recovery	=	94.78%	
62) 4-Bromofluorobenzene	12.62	95	55931	45.10	ug/l	0.00
Spiked Amount			Recovery	=	90.20%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	2.01	85	29959	45.366	ug/l	96
3) Chloromethane	2.21	50	38831	45.324	ug/l	99
4) Vinyl Chloride	2.37	62	50128	44.830	ug/l	95
5) Bromomethane	2.79	94	37476	44.740	ug/l	98
6) Chloroethane	2.93	64	33886	40.273	ug/l	96
7) Trichlorofluoromethane	3.26	101	38542	42.398	ug/l	97
8) Diethyl Ether	3.68	74	25408	49.441	ug/l	100
9) 1,1,2-Trichlorotrifluoroet	4.06	101	39956	44.270	ug/l	96
10) Methyl Iodide	4.26	142	63822	48.519	ug/l	99
11) Tert butyl alcohol	5.23	59	14958	270.709	ug/l #	100
12) 1,1-Dichloroethene	4.04	96	40724	45.958	ug/l	91
13) Acrolein	3.90	56	19108	315.992	ug/l	97
14) Allyl chloride	4.67	41	76757	47.709	ug/l	99
15) Acrylonitrile	5.37	53	53535	273.620	ug/l	99
16) Acetone	4.14	43	40474	247.372	ug/l	95
17) Carbon Disulfide	4.37	76	129152	46.657	ug/l	100
18) Methyl Acetate	4.68	43	34666	60.311	ug/l	97
19) Methyl tert-butyl Ether	5.42	73	73800	51.229	ug/l	95
20) Methylene Chloride	4.91	84	46030	51.558	ug/l	97
21) trans-1,2-Dichloroethene	5.42	96	44846	46.571	ug/l	97
22) Diisopropyl ether	6.31	45	155934	50.820	ug/l	99
23) Vinyl Acetate	6.26	43	425123	263.808	ug/l	100
24) 1,1-Dichloroethane	6.21	63	84658	47.353	ug/l	99
25) 2-Butanone	7.18	43	66049	261.031	ug/l	99
26) 2,2-Dichloropropane	7.17	77	51416	42.445	ug/l	97
27) cis-1,2-Dichloroethene	7.17	96	50158	47.741	ug/l	97
28) Bromochloromethane	7.51	49	35156	49.716	ug/l	98
29) Tetrahydrofuran	7.53	42	45660	270.144	ug/l	100
30) Chloroform	7.68	83	82172	48.288	ug/l	96
31) Cyclohexane	7.95	56	81355	42.508	ug/l	98
32) 1,1,1-Trichloroethane	7.87	97	67789	45.782	ug/l	100
36) 1,1-Dichloropropene	8.08	75	64247	44.124	ug/l	98
37) Ethyl Acetate	7.25	43	30987	53.120	ug/l	97
38) Carbon Tetrachloride	8.07	117	60609	45.478	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.34	83	81959	44.392	ug/l	96
40) Benzene	8.32	78	189275	47.926	ug/l	98
41) Methacrylonitrile	7.48	41	19753	53.604	ug/l	92
42) 1,2-Dichloroethane	8.40	62	54520	49.084	ug/l	99
43) Isopropyl Acetate	8.43	43	62814	53.856	ug/l	97
44) Trichloroethene	9.09	130	48160	47.638	ug/l	100
45) 1,2-Dichloropropane	9.37	63	49556	50.606	ug/l	96
46) Dibromomethane	9.46	93	24552	51.053	ug/l	97
47) Bromodichloromethane	9.64	83	60549	49.584	ug/l	100
48) Methyl methacrylate	9.44	41	29905	54.339	ug/l	95
49) 1,4-Dioxane	9.47	88	7591	981.512	ug/l #	97
51) 4-Methyl-2-Pentanone	10.21	43	157515	279.001	ug/l	98
52) Toluene	10.39	92	119999	47.578	ug/l	99
53) t-1,3-Dichloropropene	10.60	75	63186	49.745	ug/l	96
54) cis-1,3-Dichloropropene	10.07	75	74900	49.727	ug/l	98
55) 1,1,2-Trichloroethane	10.79	97	35464	52.523	ug/l	98
56) Ethyl methacrylate	10.65	69	45927	54.925	ug/l	99
57) 1,3-Dichloropropane	10.93	76	63274	51.240	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.93	63	110858	256.658	ug/l	98
59) 2-Hexanone	10.97	43	105172	275.472	ug/l	98
60) Dibromochloromethane	11.13	129	39729	53.583	ug/l	98
61) 1,2-Dibromoethane	11.24	107	33732	52.651	ug/l	97
64) Tetrachloroethene	10.86	164	40139	47.483	ug/l	94
65) Chlorobenzene	11.66	112	128834	46.817	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.73	131	43770	48.902	ug/l	98
67) Ethyl Benzene	11.73	91	228094	45.300	ug/l	96
68) m/p-Xylenes	11.84	106	176567	91.872	ug/l	97
69) o-Xylene	12.17	106	82566	46.392	ug/l	99
70) Styrene	12.18	104	136072	48.813	ug/l	98
71) Bromoform	12.35	173	22119	55.217	ug/l #	98
73) Isopropylbenzene	12.47	105	220164	45.283	ug/l	100
74) N-amyl acetate	12.27	43	58357	54.200	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.72	83	40726	52.332	ug/l	99
76) 1,2,3-Trichloropropane	12.77	75	30285m	53.645	ug/l	
77) Bromobenzene	12.75	156	50605	49.259	ug/l	94
78) n-propylbenzene	12.81	91	268622	45.092	ug/l	99
79) 2-Chlorotoluene	12.90	91	150196	45.191	ug/l	99
80) 1,3,5-Trimethylbenzene	12.94	105	184674	46.222	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.51	75	12185	50.262	ug/l	97
82) 4-Chlorotoluene	12.99	91	159310	45.512	ug/l	100
83) tert-Butylbenzene	13.21	119	161497	45.690	ug/l	96
84) 1,2,4-Trimethylbenzene	13.26	105	187520	45.507	ug/l	99
85) sec-Butylbenzene	13.39	105	231218	44.656	ug/l	99
86) p-Isopropyltoluene	13.51	119	201444	45.054	ug/l	99
87) 1,3-Dichlorobenzene	13.51	146	98860	47.439	ug/l	99
88) 1,4-Dichlorobenzene	13.58	146	98112	46.925	ug/l	99
89) n-Butylbenzene	13.83	91	193926	44.284	ug/l	100
90) Hexachloroethane	14.10	117	35997	47.665	ug/l	93
91) 1,2-Dichlorobenzene	13.88	146	89455	48.843	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.49	75	6773	54.080	ug/l	97

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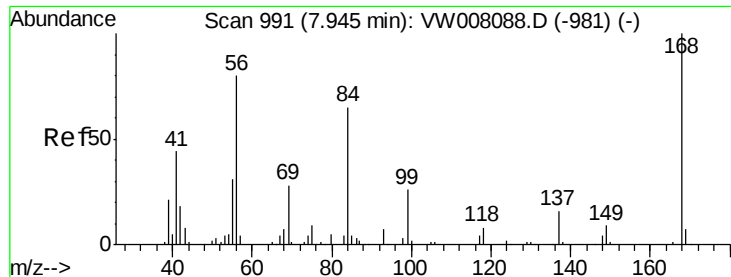
Manual Integrations
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.14	180	59160	48.653	ug/l	97
94) Hexachlorobutadiene	15.24	225	31988	49.150	ug/l	100
95) Naphthalene	15.37	128	117313	51.670	ug/l	100
96) 1,2,3-Trichlorobenzene	15.57	180	52020	50.185	ug/l	98

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 992

Delta R.T. 0.01 min

Lab File: VW008119.D

Acq: 09 Jan 2019 23:40

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

Tot Ion:168 Resp: 80916

Ion Ratio Lower Upper

168 100

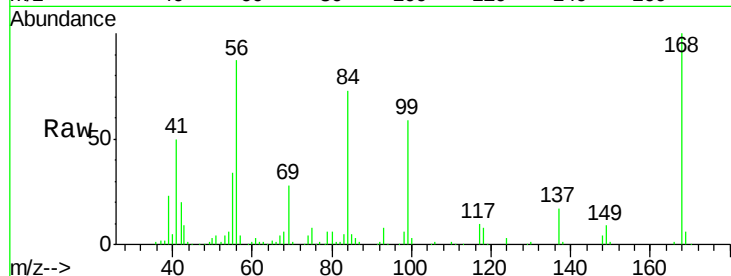
99 59.1 52.6 78.8

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Abundance Ion 167.90 (167.60 to 168.60): VW

Ion 98.90 (98.60 to 99.60): VW

7.95

40000

30000

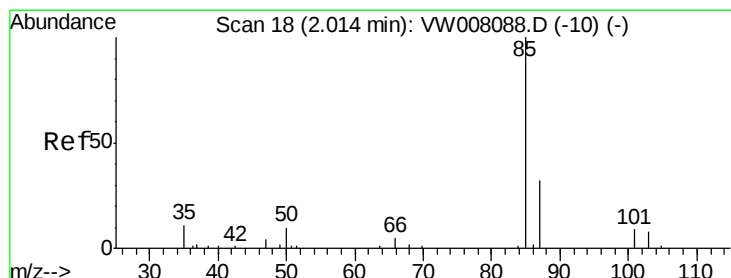
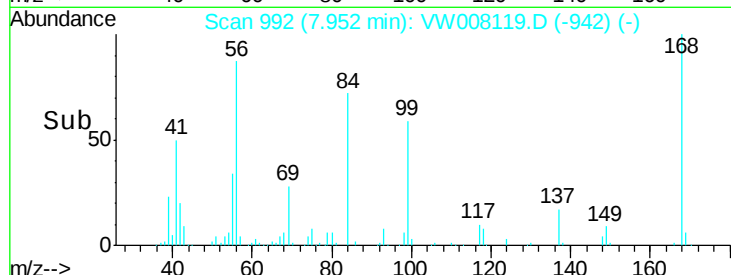
20000

10000

0

7.85 7.90 7.95 8.00 8.05

Time-->



#2

Dichlorodifluoromethane

Concen: 45.366 ug/l

RT: 2.01 min Scan# 17

Delta R.T. -0.01 min

Lab File: VW008119.D

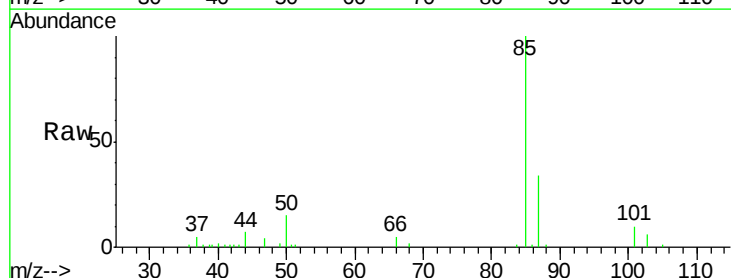
Acq: 09 Jan 2019 23:40

Tgt Ion: 85 Resp: 29959

Ion Ratio Lower Upper

85 100

87 34.5 16.1 48.3



Abundance Ion 84.90 (84.60 to 85.60): VW

Ion 86.90 (86.60 to 87.60): VW

2.01

10000

8000

6000

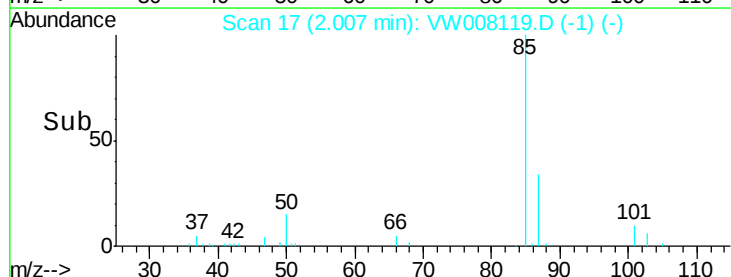
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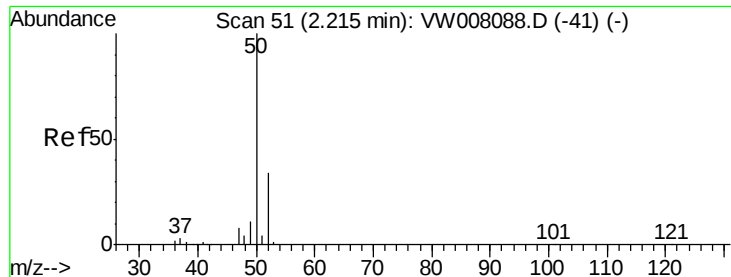
2000

0

1.90 2.00 2.10 2.20

Time-->





#3

Chloromethane

Concen: 45.324 ug/l

RT: 2.21 min Scan# 51

Delta R.T. 0.00 min

Lab File: VW008119.D

Acq: 09 Jan 2019 23:40

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

Tot Ion: 50 Resp: 38831

Ion Ratio Lower Upper

50 100

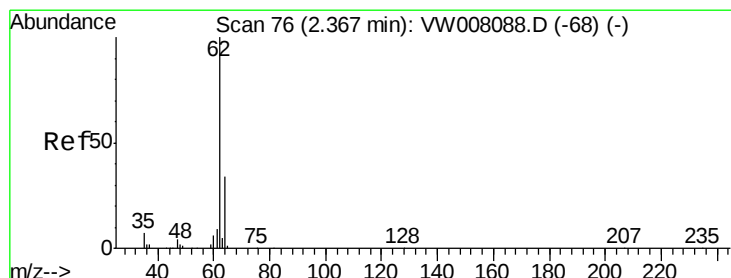
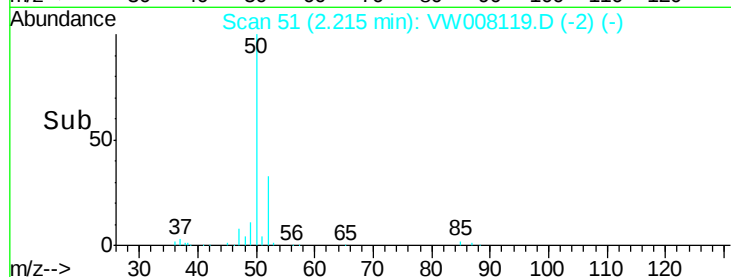
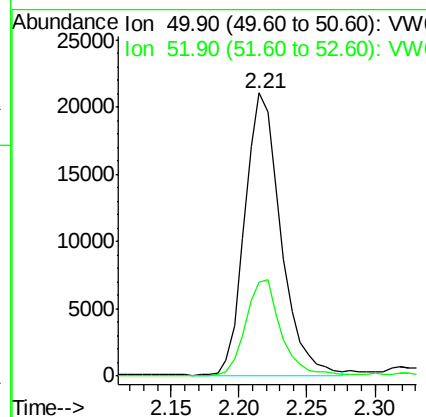
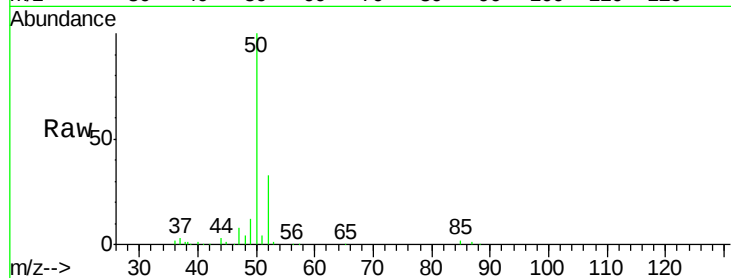
52 33.0 26.8 40.2

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#4

Vinyl Chloride

Concen: 44.830 ug/l

RT: 2.37 min Scan# 76

Delta R.T. 0.00 min

Lab File: VW008119.D

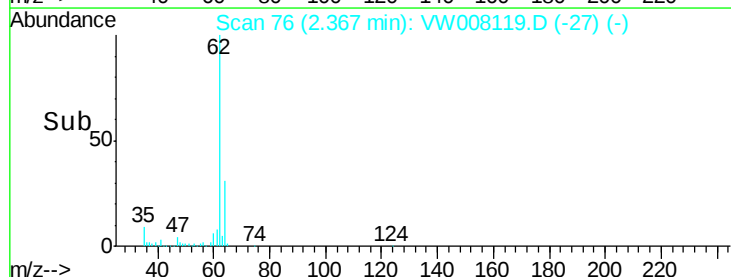
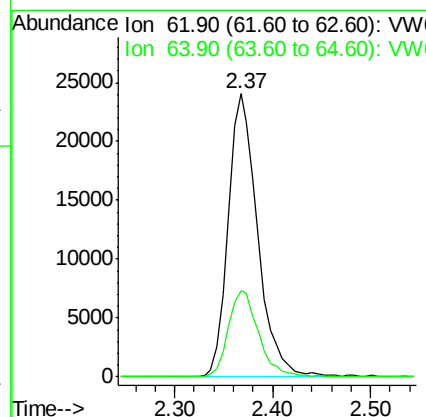
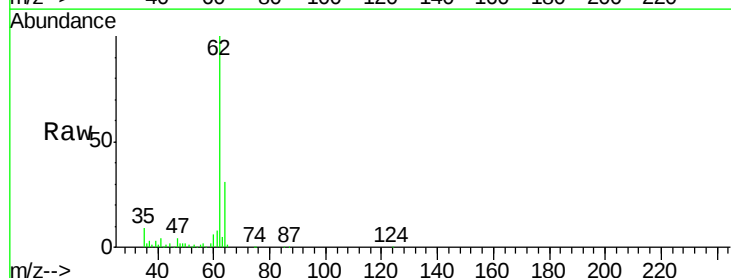
Acq: 09 Jan 2019 23:40

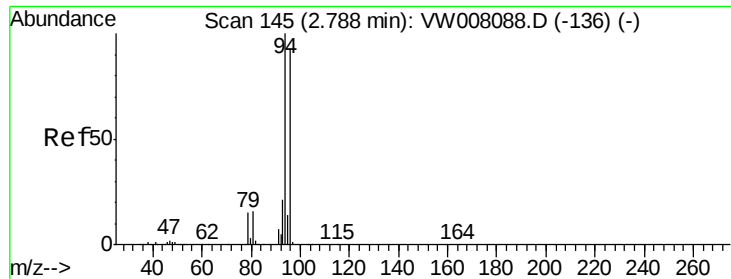
Tgt Ion: 62 Resp: 50128

Ion Ratio Lower Upper

62 100

64 30.7 27.0 40.6





#5

Bromomethane

Concen: 44.740 ug/l

RT: 2.79 min Scan# 145

Delta R.T. 0.00 min

Lab File: VW008119.D

Acq: 09 Jan 2019 23:40

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

Tot Ion: 94 Resp: 37476

Ion Ratio Lower Upper

94 100

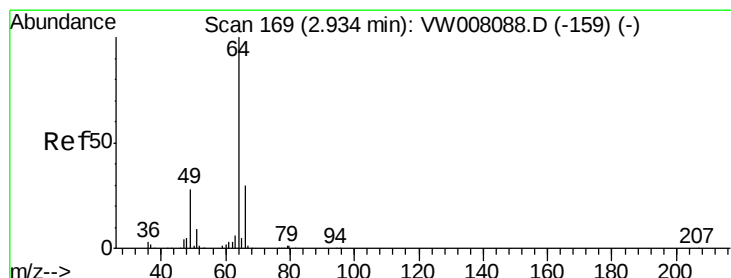
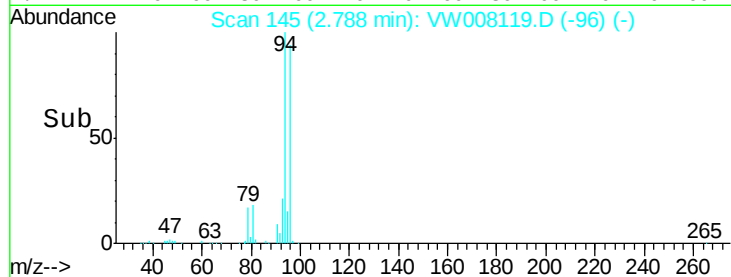
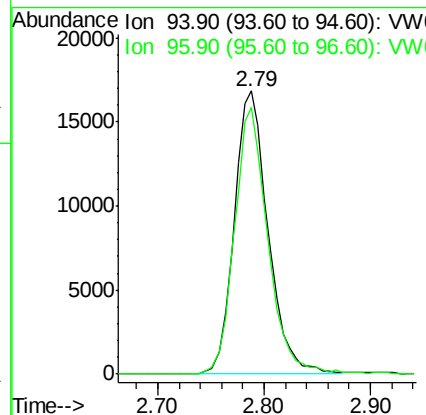
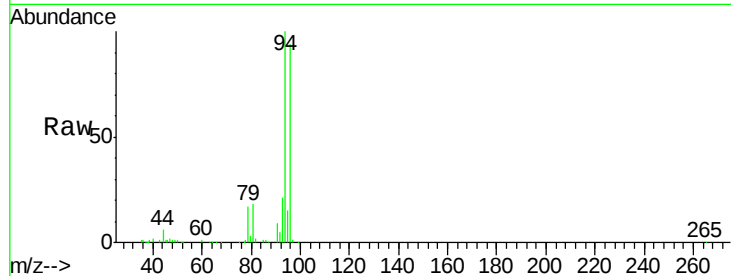
96 94.2 74.1 111.1

Manual Integrations

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#6

Chloroethane

Concen: 40.273 ug/l

RT: 2.93 min Scan# 168

Delta R.T. -0.01 min

Lab File: VW008119.D

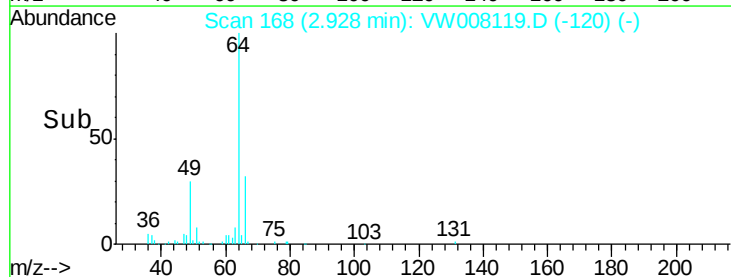
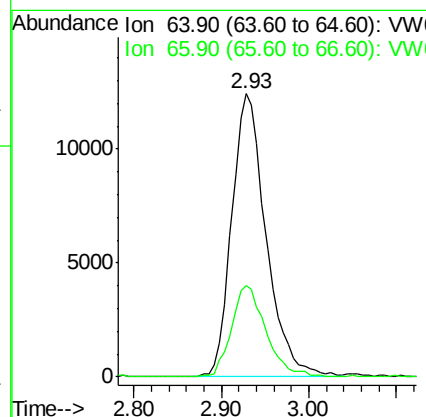
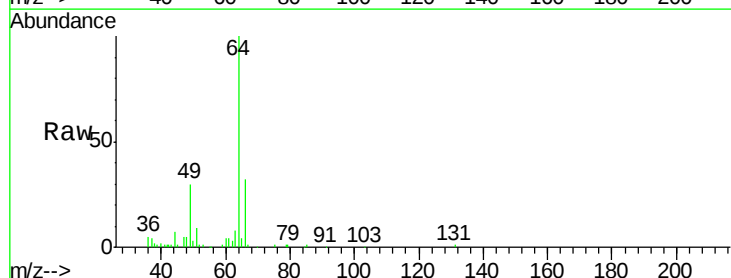
Acq: 09 Jan 2019 23:40

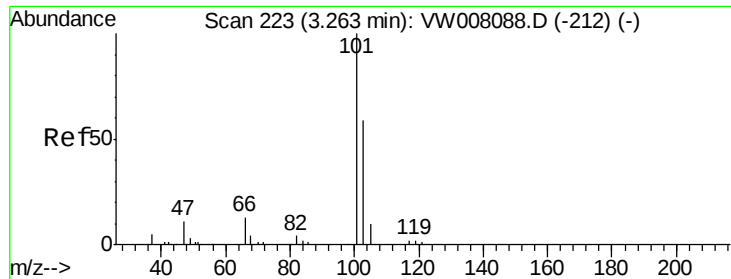
Tgt Ion: 64 Resp: 33886

Ion Ratio Lower Upper

64 100

66 32.2 24.2 36.2





#7

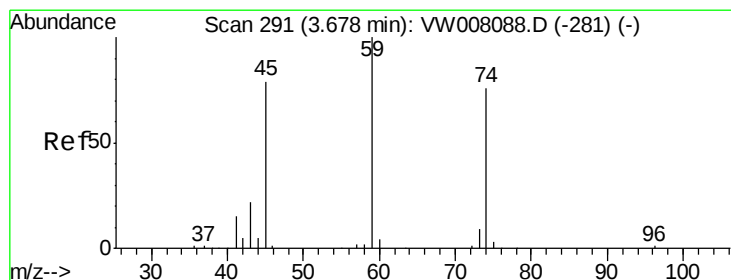
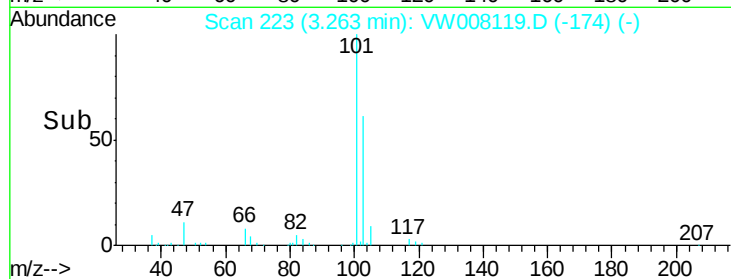
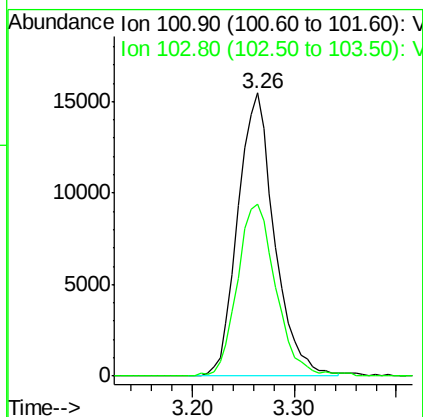
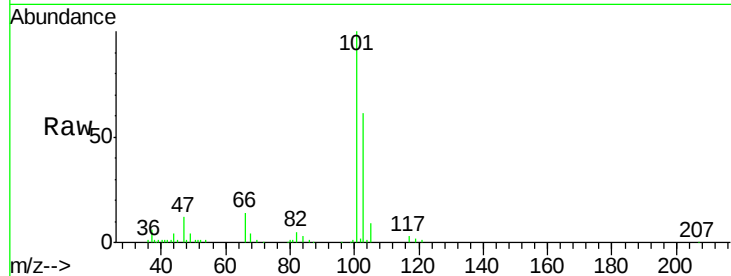
Trichlorofluoromethane
Concen: 42.398 ug/l
RT: 3.26 min Scan# 223
Delta R.T. 0.00 min
Lab File: VW008119.D
Acq: 09 Jan 2019 23:40

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MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
101	100		
103	60.8	47.0	70.6

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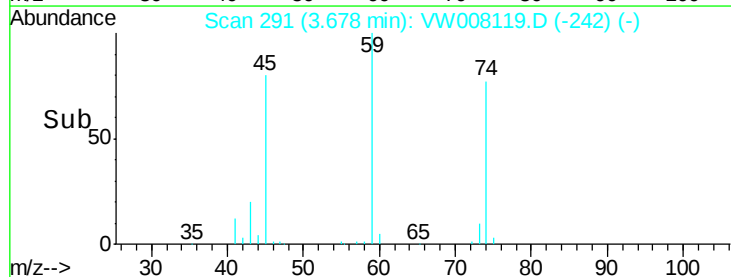
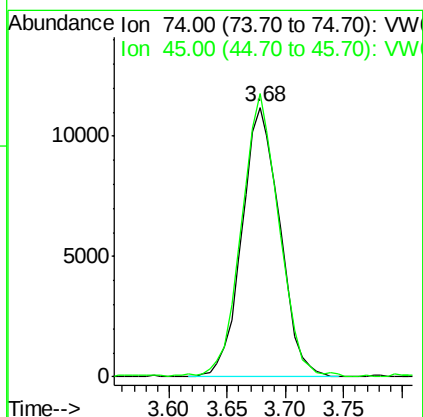
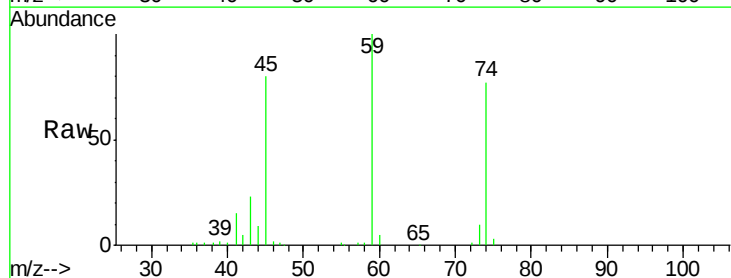
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1/10/2019 5:06:04 PM

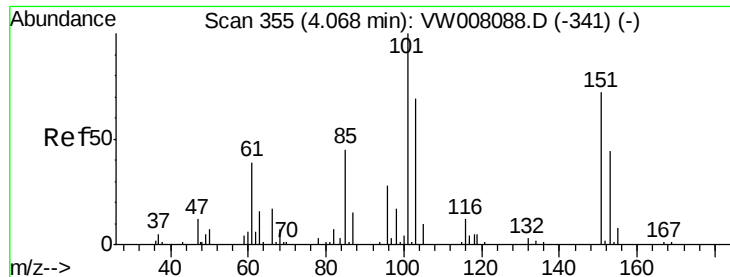


#8

Diethyl Ether
Concen: 49.441 ug/l
RT: 3.68 min Scan# 291
Delta R.T. 0.00 min
Lab File: VW008119.D
Acq: 09 Jan 2019 23:40

Tgt Ion	Ratio	Lower	Upper
74	100		
45	104.4	52.4	157.3





#9

1,1,2-Trichlorotrifluoroethane

Concen: 44.270 ug/l

RT: 4.06 min Scan# 354

Delta R.T. -0.01 min

Lab File: VW008119.D

Acq: 09 Jan 2019 23:40

Instrument :

MSVOA_W

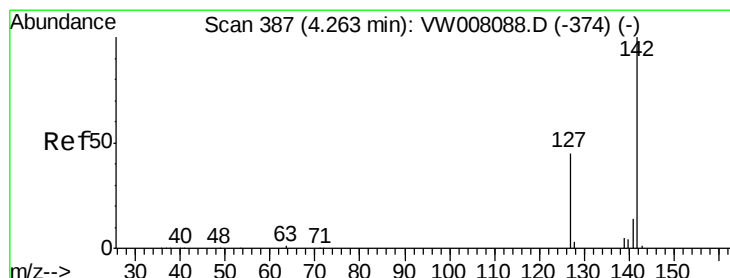
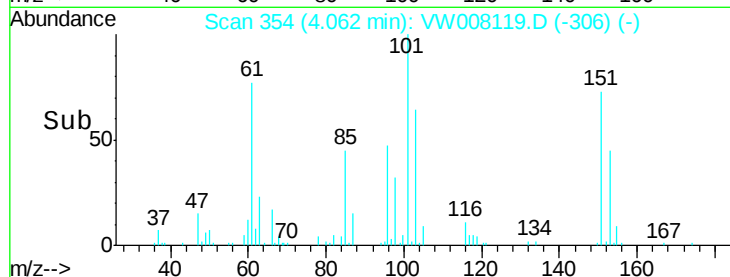
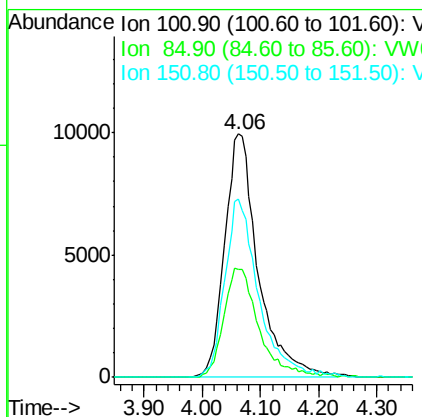
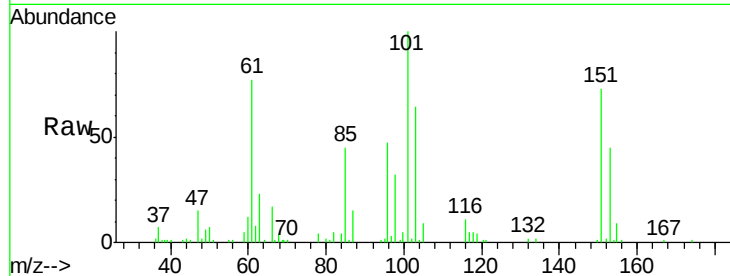
ClientSampleId :

VSTDCCC050

Tot Ion:	101	Resp:	39956
Ion Ratio	Lower	Upper	
101	100		
85	46.4	35.9	53.9
151	73.9	55.8	83.8

Manual Integrations
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#10

Methyl Iodide

Concen: 48.519 ug/l

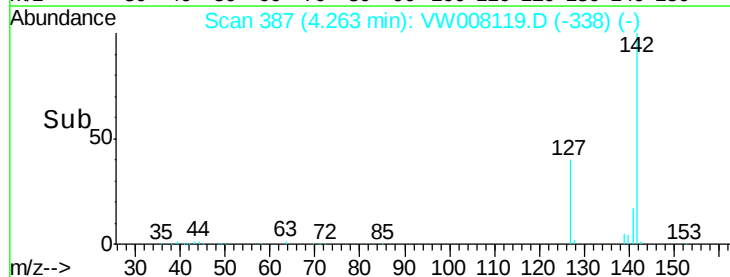
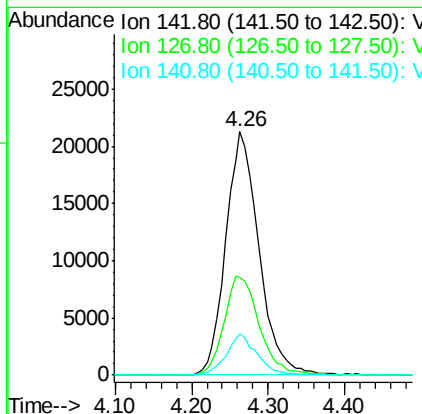
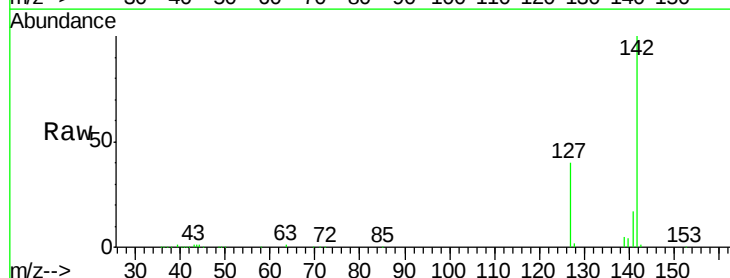
RT: 4.26 min Scan# 387

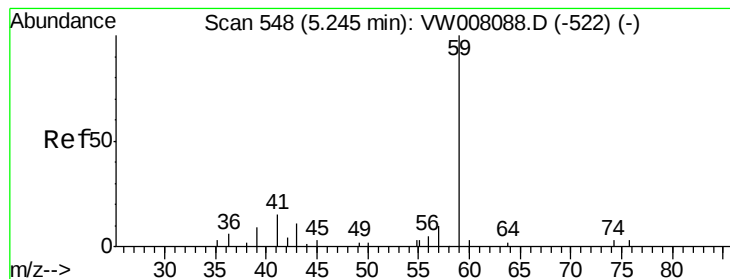
Delta R.T. 0.00 min

Lab File: VW008119.D

Acq: 09 Jan 2019 23:40

Tgt Ion:	142	Resp:	63822
Ion Ratio	Lower	Upper	
142	100		
127	43.0	35.0	52.4
141	15.5	11.8	17.6





#11

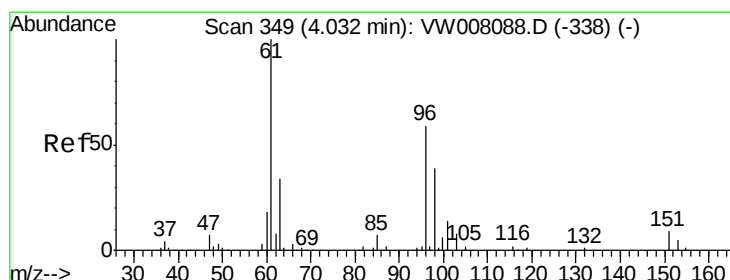
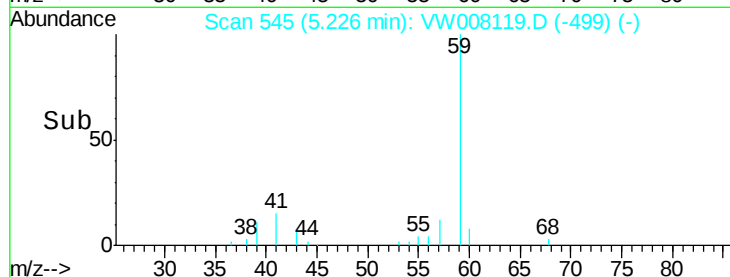
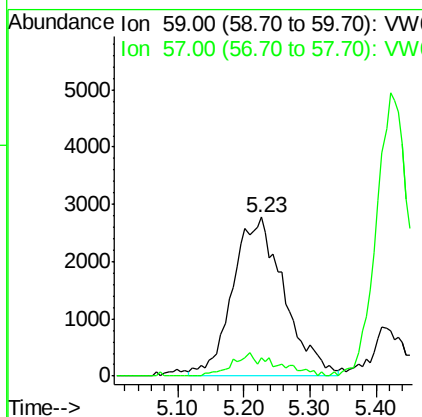
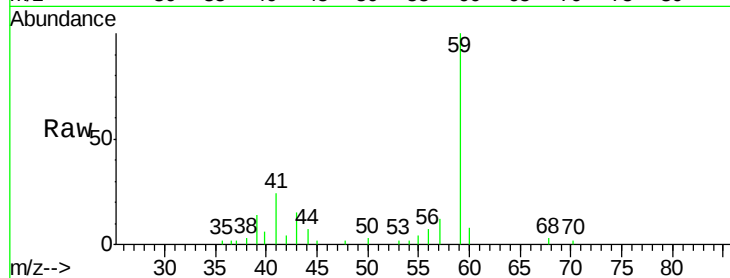
Tert butyl alcohol
 Concen: 270.709 ug/l
 RT: 5.23 min Scan# 545
 Delta R.T. -0.02 min
 Lab File: VW008119.D
 Acq: 09 Jan 2019 23:40

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
59	100		
57	6.5	0.0	0.0#

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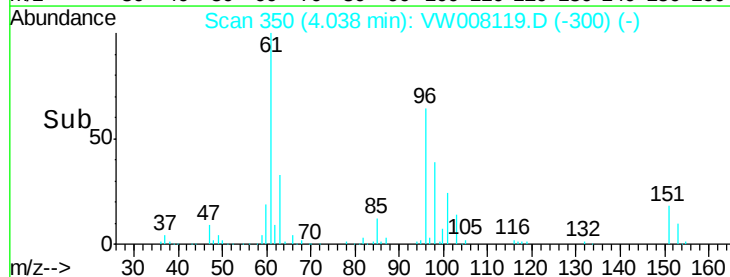
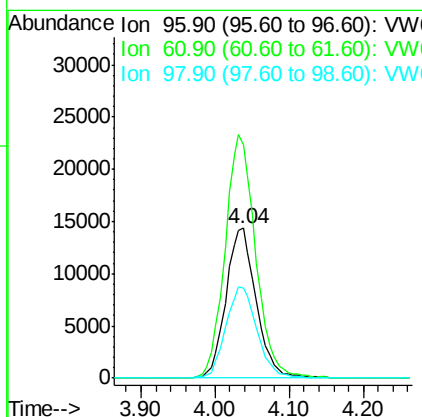
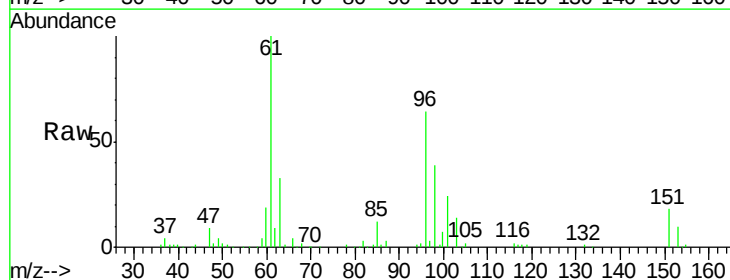
MMDadoda
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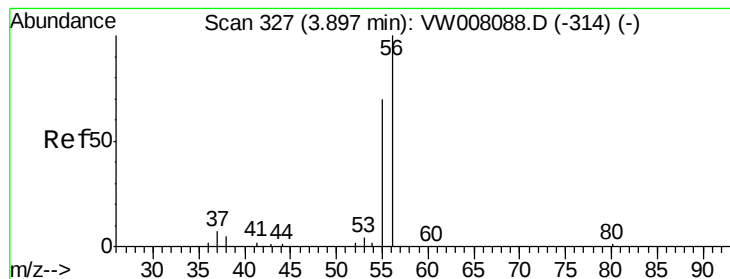


#12

1,1-Dichloroethene
 Concen: 45.958 ug/l
 RT: 4.04 min Scan# 350
 Delta R.T. 0.01 min
 Lab File: VW008119.D
 Acq: 09 Jan 2019 23:40

Tgt Ion	Ratio	Lower	Upper
96	100		
61	155.4	135.4	203.2
98	60.1	52.5	78.7





#13

Acrolein

Concen: 315.992 ug/l

RT: 3.90 min Scan# 327

Delta R.T. 0.00 min

Lab File: VW008119.D

Acq: 09 Jan 2019 23:40

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

Tot Ion: 56 Resp: 19108

Ion Ratio Lower Upper

56 100

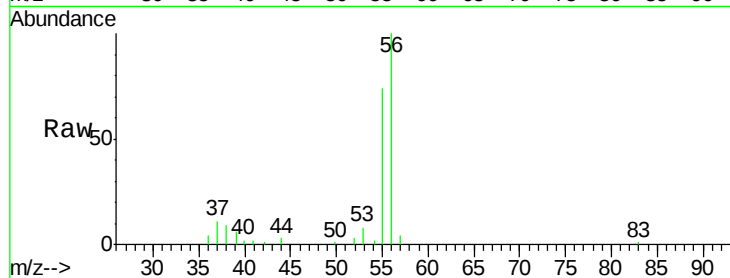
55 68.5 56.6 84.8

Manual Integrations

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Abundance Ion 56.00 (55.70 to 56.70): VW

Ion 55.00 (54.70 to 55.70): VW

3.90

8000

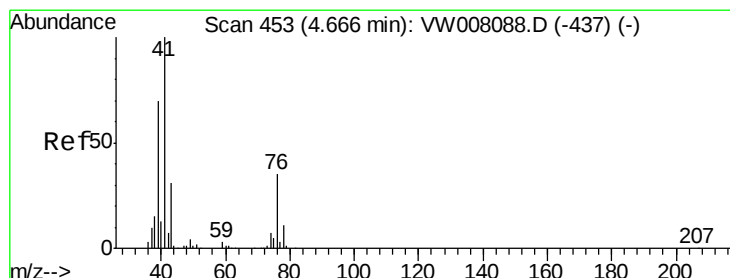
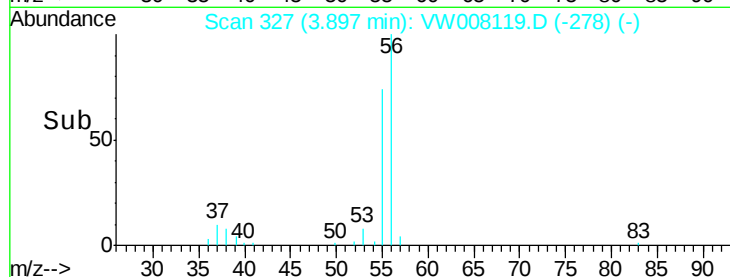
6000

4000

2000

0

Time-->



#14

Allyl chloride

Concen: 47.709 ug/l

RT: 4.67 min Scan# 453

Delta R.T. 0.00 min

Lab File: VW008119.D

Acq: 09 Jan 2019 23:40

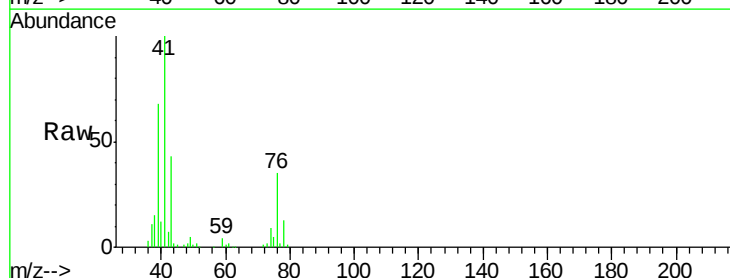
Tgt Ion: 41 Resp: 76757

Ion Ratio Lower Upper

41 100

39 66.9 53.8 80.8

76 33.9 27.6 41.4



Abundance Ion 41.00 (40.70 to 41.70): VW

Ion 39.00 (38.70 to 39.70): VW

Ion 75.90 (75.60 to 76.60): VW

4.67

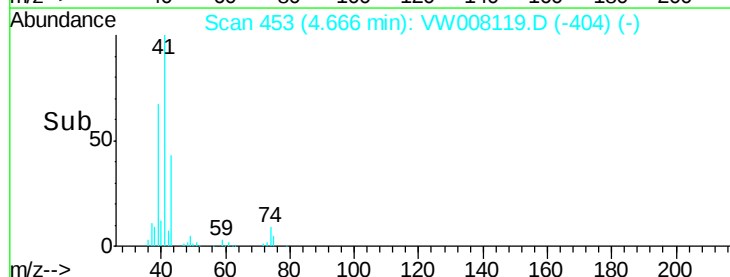
30000

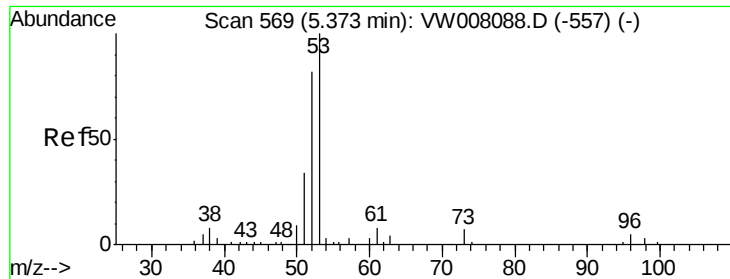
20000

10000

0

Time-->





#15

Acrylonitrile

Concen: 273.620 ug/l

RT: 5.37 min Scan# 568

Delta R.T. -0.01 min

Lab File: VW008119.D

Acq: 09 Jan 2019 23:40

Instrument :

MSVOA_W

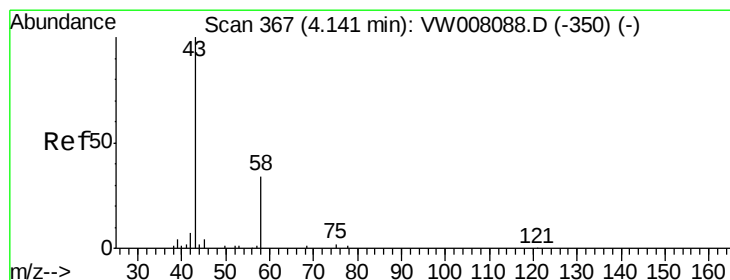
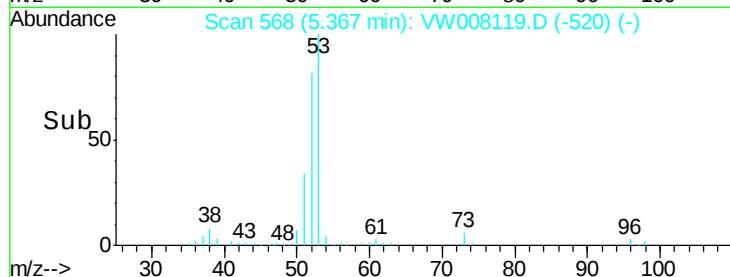
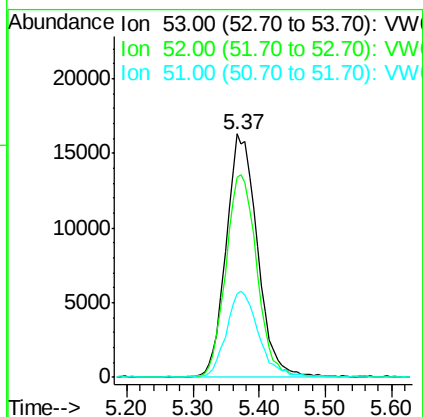
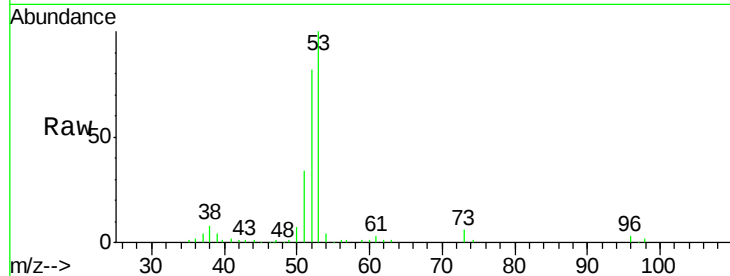
ClientSampleId :

VSTDCCC050

Tot Ion:	53	Resp:	53535
Ion	Ratio	Lower	Upper
53	100		
52	82.8	66.8	100.2
51	36.4	29.7	44.5

Manual Integrations
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#16

Acetone

Concen: 247.372 ug/l

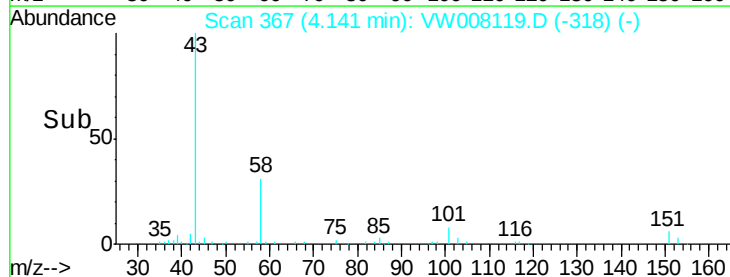
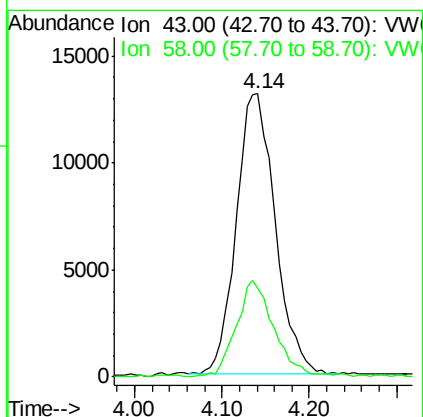
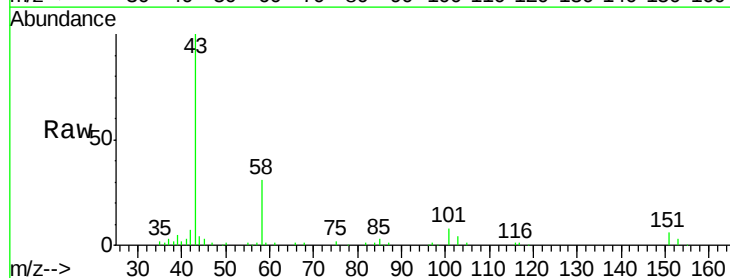
RT: 4.14 min Scan# 367

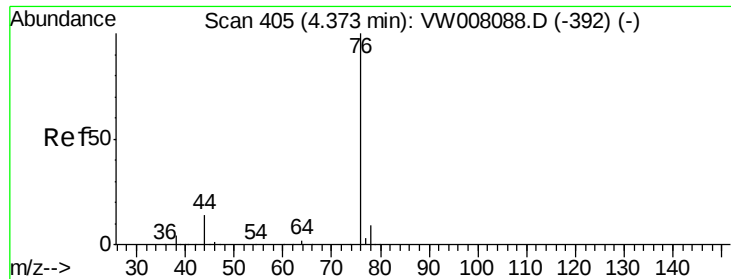
Delta R.T. 0.00 min

Lab File: VW008119.D

Acq: 09 Jan 2019 23:40

Tgt Ion:	43	Resp:	40474
Ion	Ratio	Lower	Upper
43	100		
58	31.5	27.5	41.3





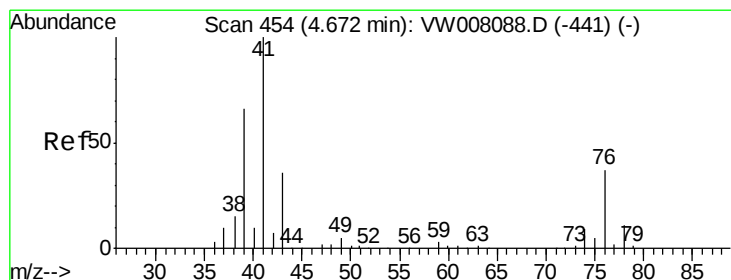
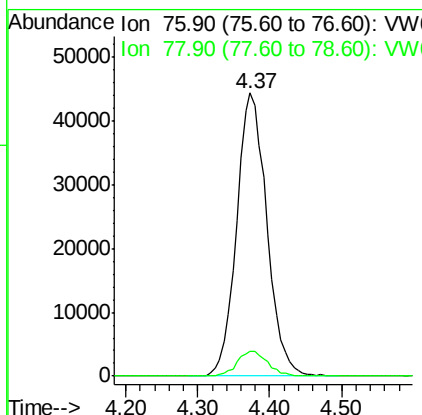
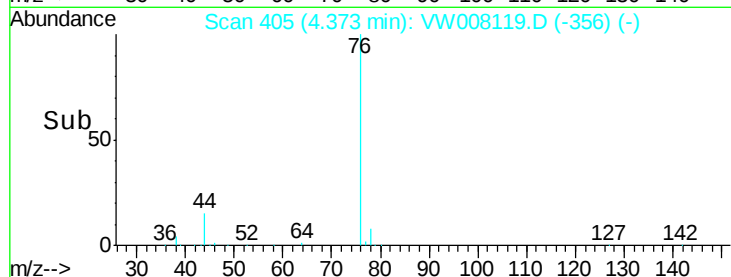
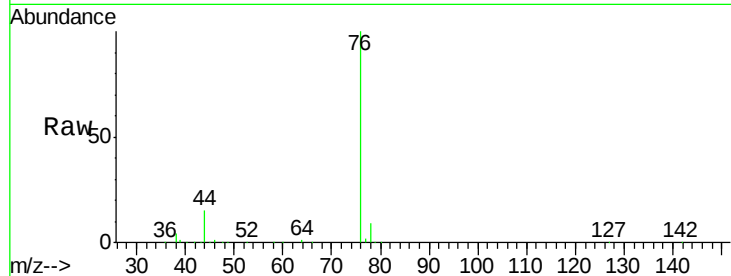
#17
Carbon Disulfide
Concen: 46.657 ug/l
RT: 4.37 min Scan# 405
Delta R.T. 0.00 min
Lab File: VW008119.D
Acq: 09 Jan 2019 23:40

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
76	100		
78	8.9	7.0	10.6

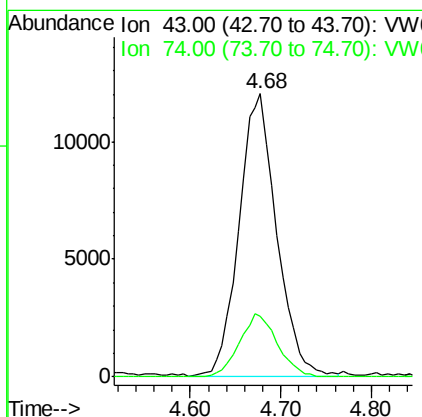
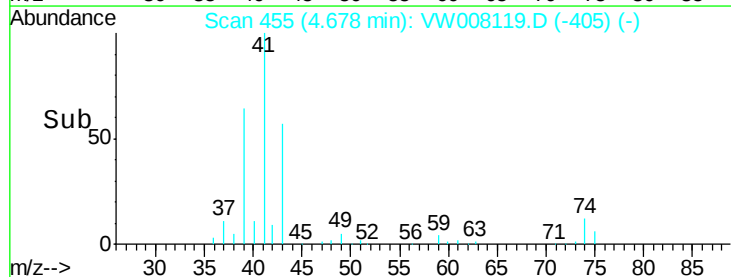
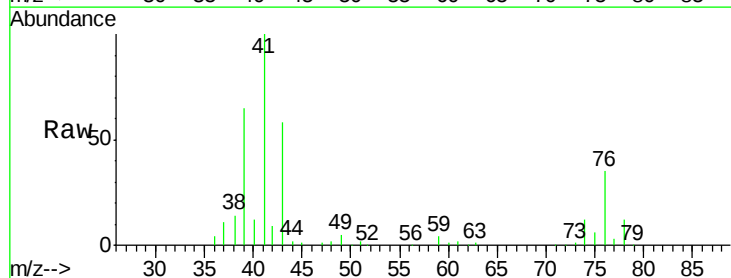
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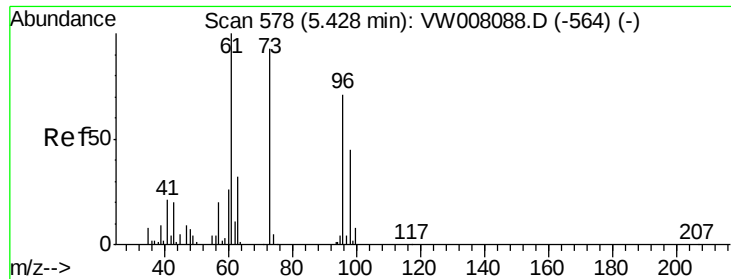
MMDadoda
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#18
Methyl Acetate
Concen: 60.311 ug/l
RT: 4.68 min Scan# 455
Delta R.T. 0.01 min
Lab File: VW008119.D
Acq: 09 Jan 2019 23:40

Tgt Ion	Ratio	Lower	Upper
43	100		
74	22.2	19.0	28.4





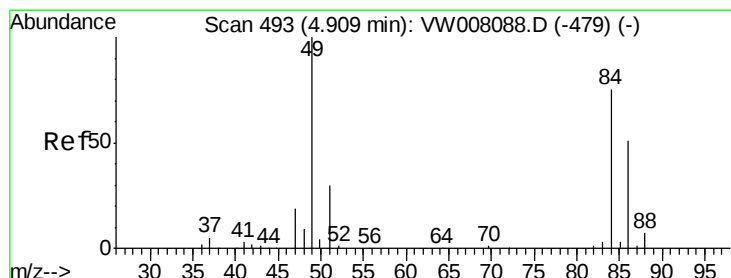
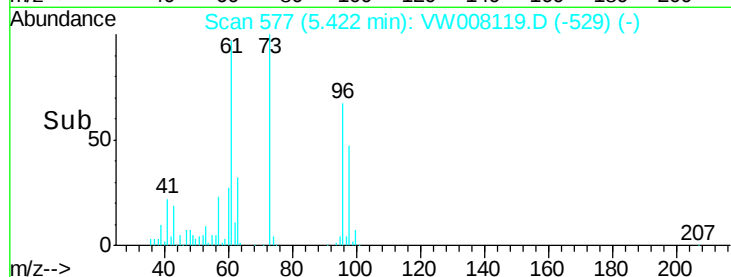
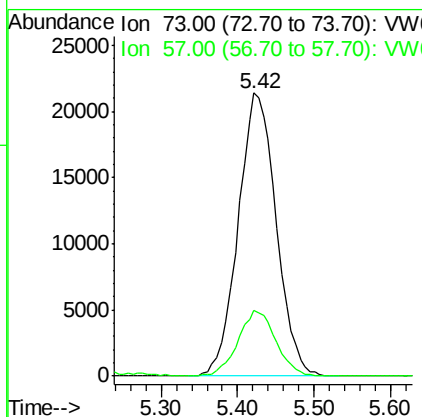
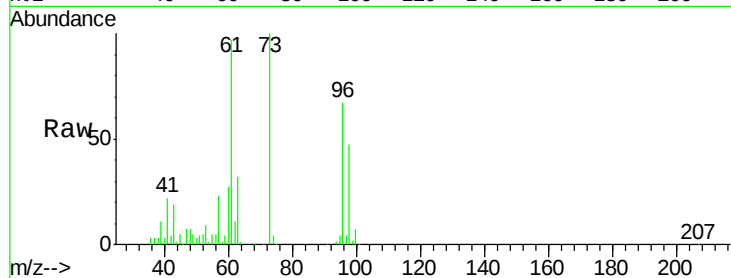
#19
Methyl tert-butyl Ether
Concen: 51.229 ug/l
RT: 5.42 min Scan# 577
Delta R.T. -0.01 min
Lab File: VW008119.D
Acq: 09 Jan 2019 23:40

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion: 73 Resp: 73800
Ion Ratio Lower Upper
73 100
57 23.1 16.7 25.1

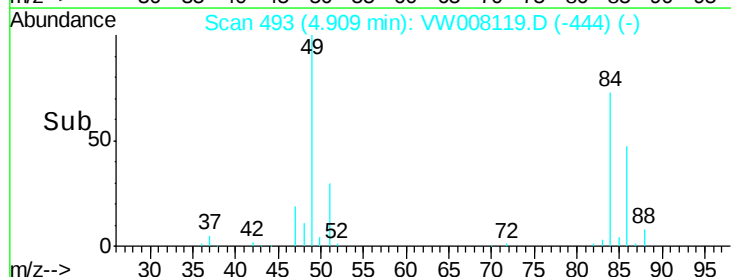
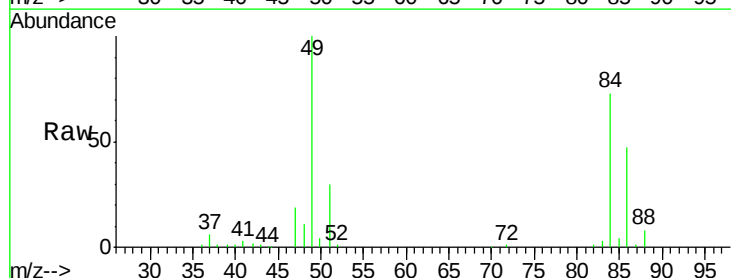
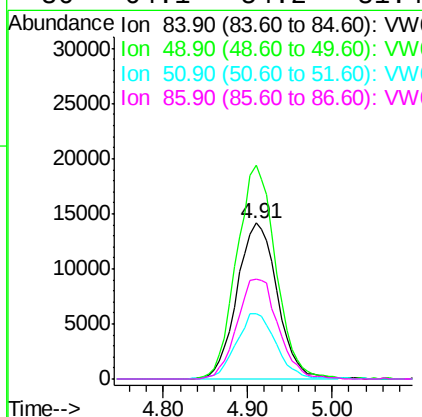
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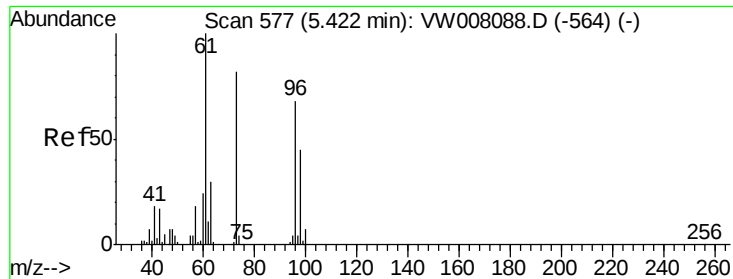
MMDadoda
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#20
Methylene Chloride
Concen: 51.558 ug/l
RT: 4.91 min Scan# 493
Delta R.T. 0.00 min
Lab File: VW008119.D
Acq: 09 Jan 2019 23:40

Tgt Ion: 84 Resp: 46030
Ion Ratio Lower Upper
84 100
49 137.1 107.1 160.7
51 41.5 32.4 48.6
86 64.1 54.2 81.4





#21

trans-1,2-Dichloroethene

Concen: 46.571 ug/l

RT: 5.42 min Scan# 576

Delta R.T. -0.01 min

Lab File: VW008119.D

Acq: 09 Jan 2019 23:40

Instrument :

MSVOA_W

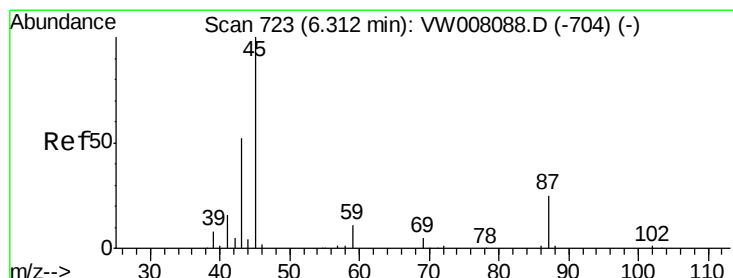
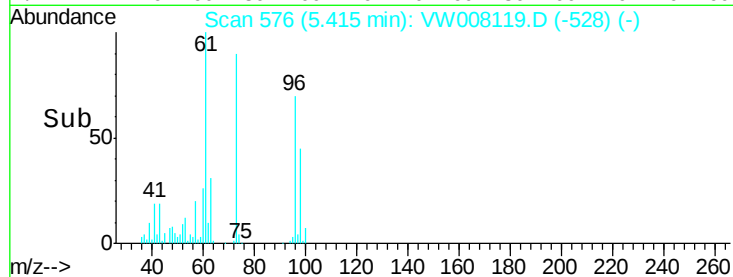
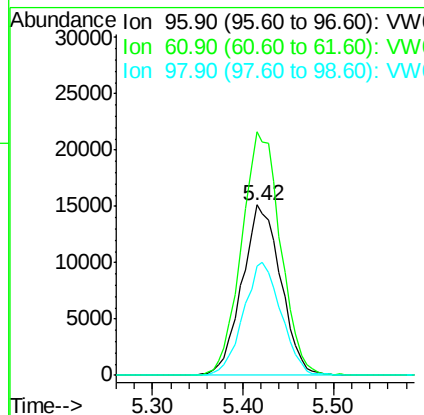
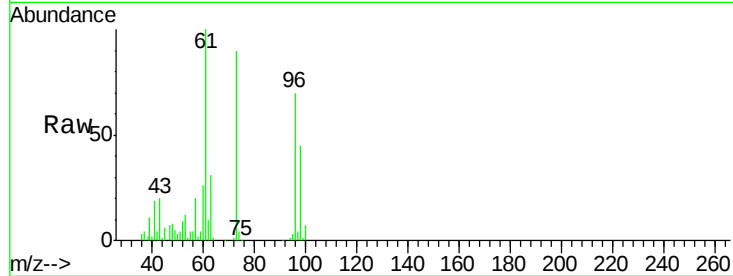
ClientSampleId :

VSTDCCC050

Tot Ion:	96	Resp:	44846
Ion	Ratio	Lower	Upper
96	100		
61	143.1	117.4	176.0
98	64.0	52.2	78.4

Manual Integrations
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#22

Diisopropyl ether

Concen: 50.820 ug/l

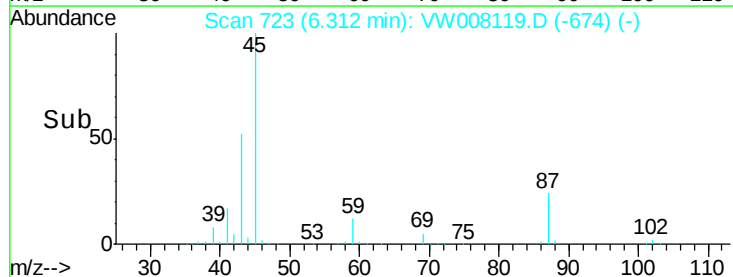
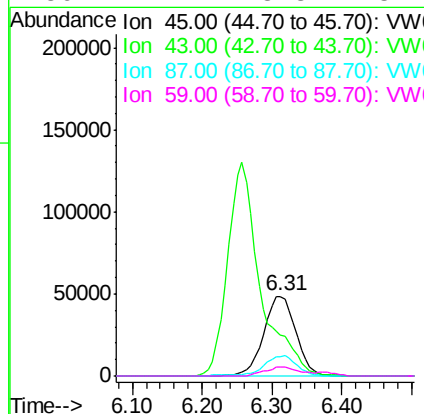
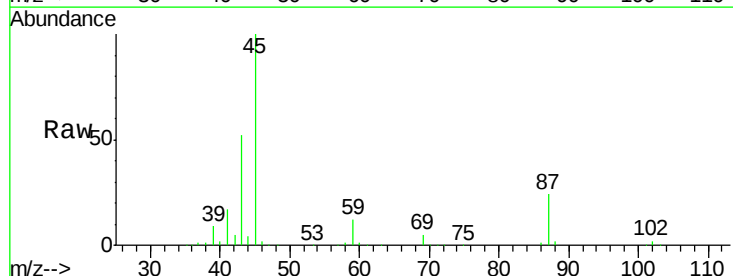
RT: 6.31 min Scan# 723

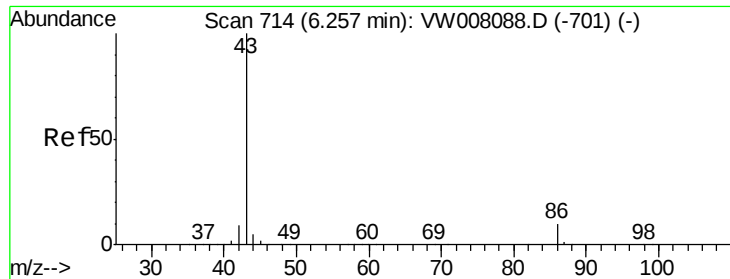
Delta R.T. 0.00 min

Lab File: VW008119.D

Acq: 09 Jan 2019 23:40

Tgt Ion:	45	Resp:	155934
Ion	Ratio	Lower	Upper
45	100		
43	51.9	41.7	62.5
87	24.2	20.1	30.1
59	11.1	8.8	13.2





#23

Vinyl Acetate

Concen: 263.808 ug/l

RT: 6.26 min Scan# 714

Delta R.T. 0.00 min

Lab File: VW008119.D

Acq: 09 Jan 2019 23:40

Instrument :

MSVOA_W

ClientSampleID :

VSTDCCC050

Tot Ion: 43 Resp: 425123

Ion Ratio Lower Upper

43 100

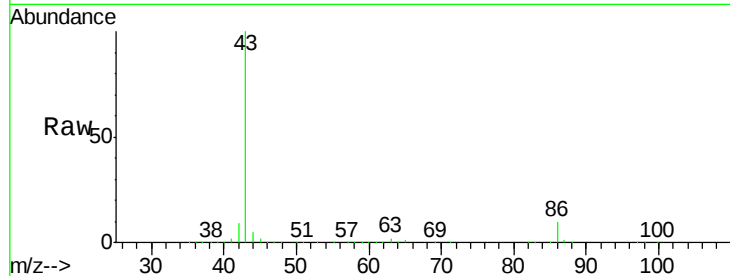
86 9.7 7.7 11.5

Manual Integrations

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Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 86.00 (85.70 to 86.70): VW

150000

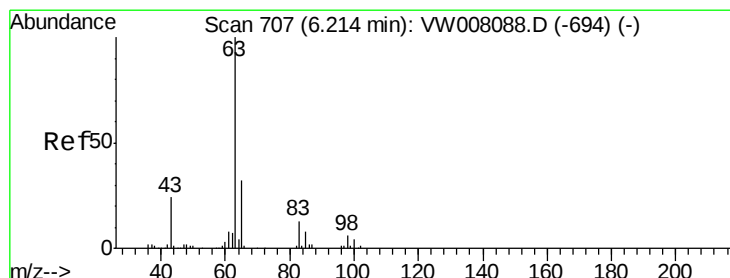
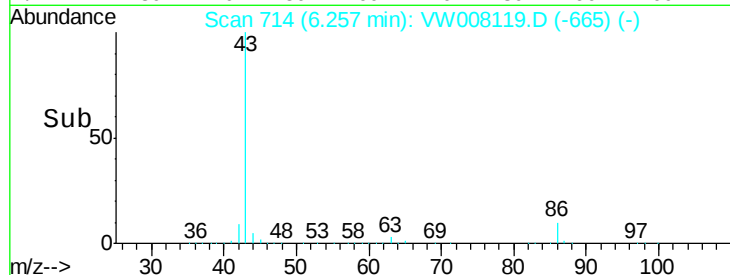
100000

50000

0

6.10 6.20 6.30 6.40 6.50

Time-->



#24

1,1-Dichloroethane

Concen: 47.353 ug/l

RT: 6.21 min Scan# 707

Delta R.T. 0.00 min

Lab File: VW008119.D

Acq: 09 Jan 2019 23:40

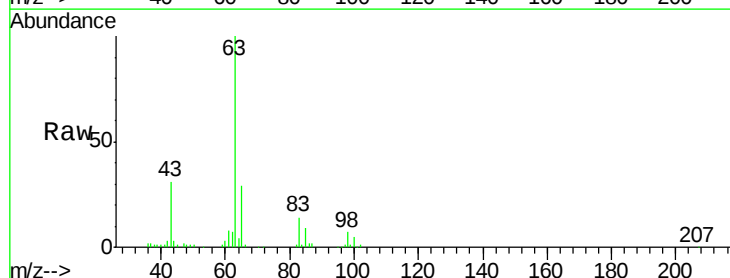
Tgt Ion: 63 Resp: 84658

Ion Ratio Lower Upper

63 100

98 6.6 3.2 9.6

100 4.5 2.0 6.0



Abundance Ion 62.90 (62.60 to 63.60): VW

Ion 97.90 (97.60 to 98.60): VW

Ion 99.90 (99.60 to 100.60): VW

30000

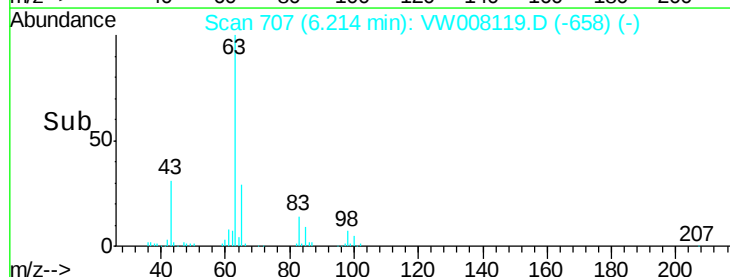
20000

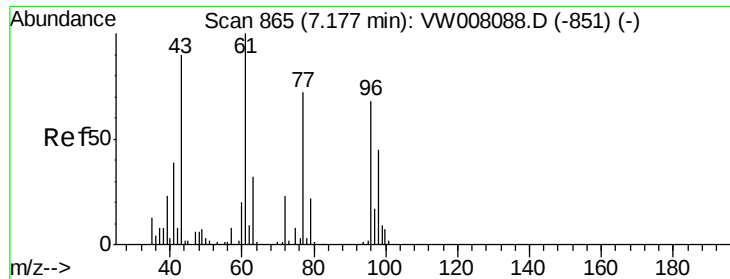
10000

0

6.10 6.20 6.30

Time-->





#25

2-Butanone

Concen: 261.031 ug/l

RT: 7.18 min Scan# 865

Delta R.T. 0.00 min

Lab File: VW008119.D

Acq: 09 Jan 2019 23:40

Instrument :

MSVOA_W

ClientSampled :

VSTDCCC050

Tot Ion: 43 Resp: 66049

Ion Ratio Lower Upper

43 100

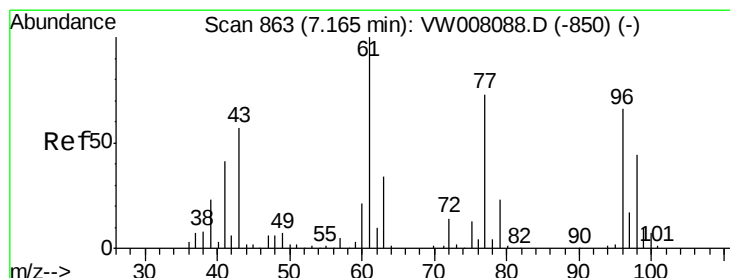
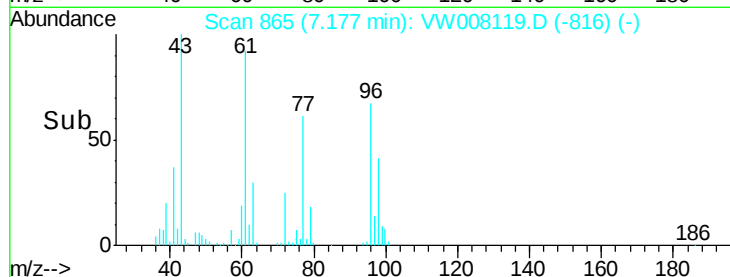
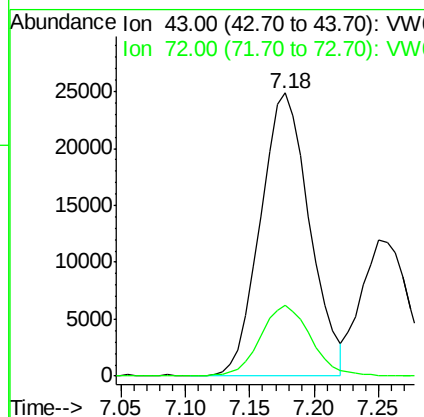
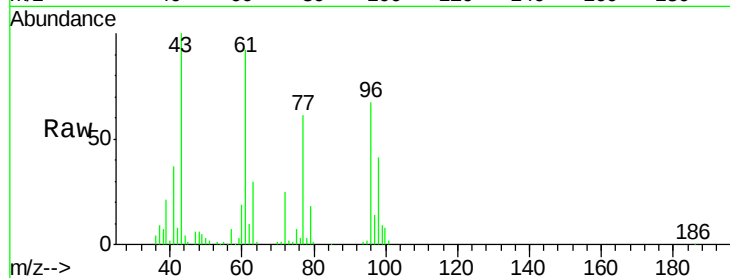
72 25.0 20.5 30.7

Manual Integrations

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#26

2,2-Dichloropropane

Concen: 42.445 ug/l

RT: 7.17 min Scan# 864

Delta R.T. 0.01 min

Lab File: VW008119.D

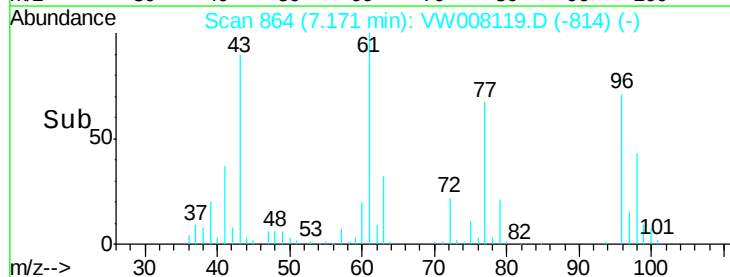
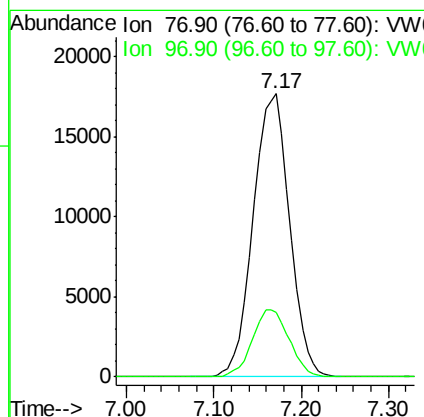
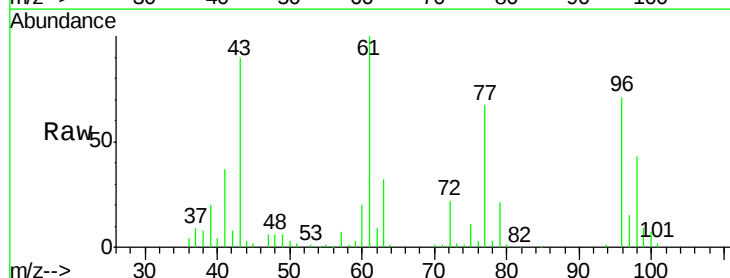
Acq: 09 Jan 2019 23:40

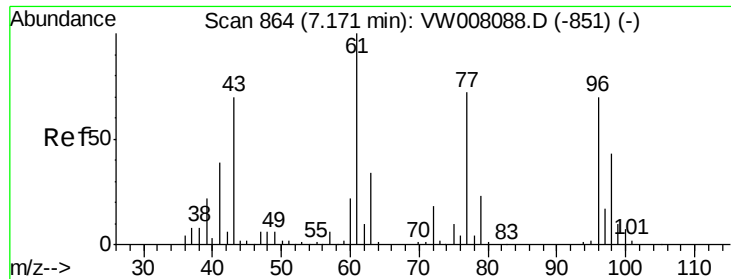
Tgt Ion: 77 Resp: 51416

Ion Ratio Lower Upper

77 100

97 24.0 11.4 34.1





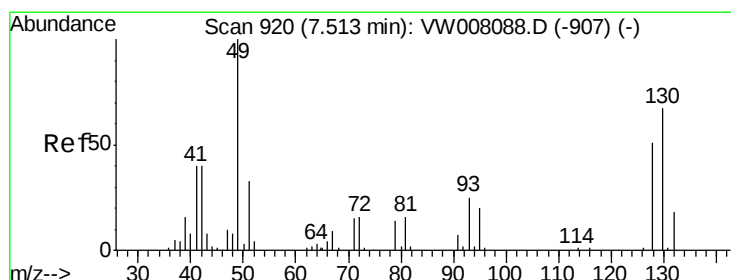
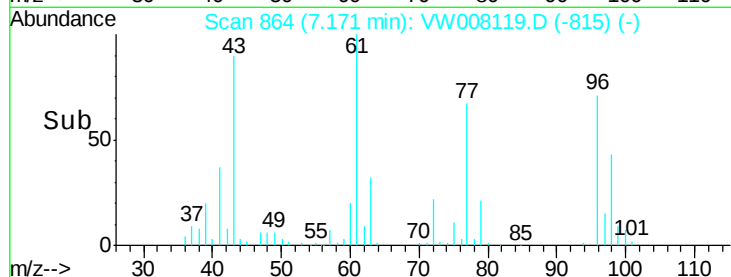
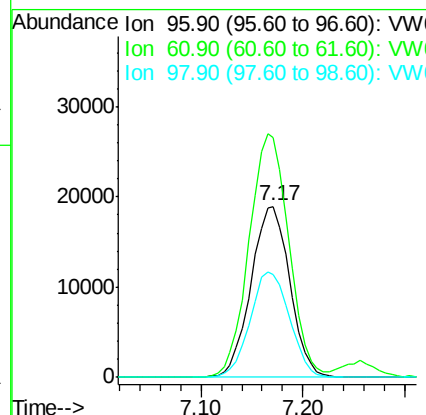
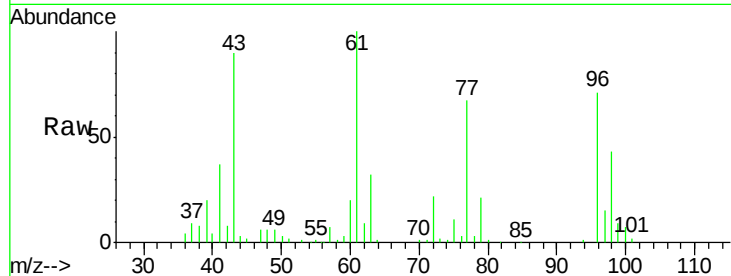
#27
 cis-1,2-Dichloroethene
 Concen: 47.741 ug/l
 RT: 7.17 min Scan# 864
 Delta R.T. 0.00 min
 Lab File: VW008119.D
 Acq: 09 Jan 2019 23:40

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
96	100		
61	145.1	0.0	300.4
98	62.6	0.0	128.4

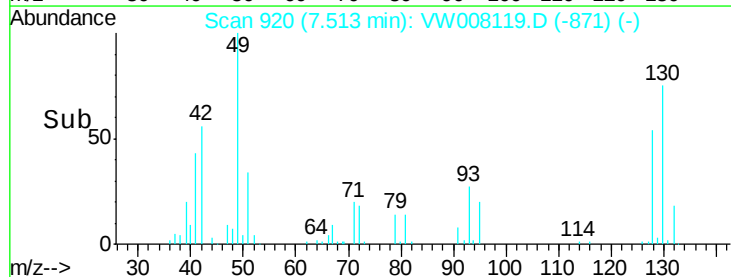
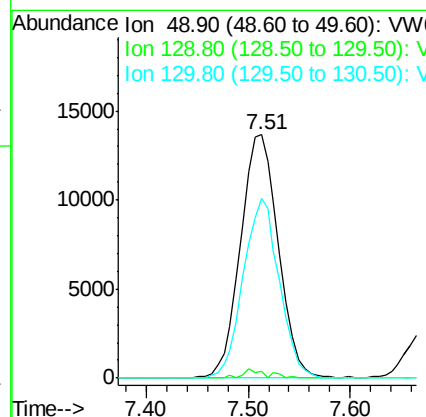
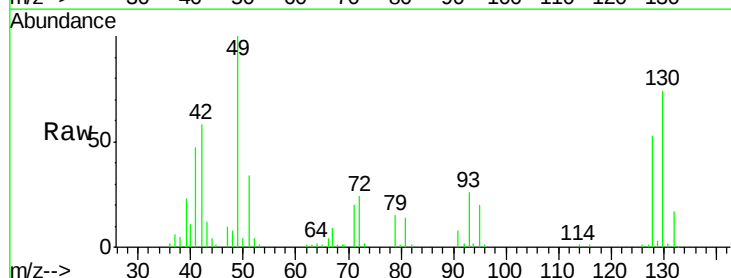
Manual Integrations
 APPROVED

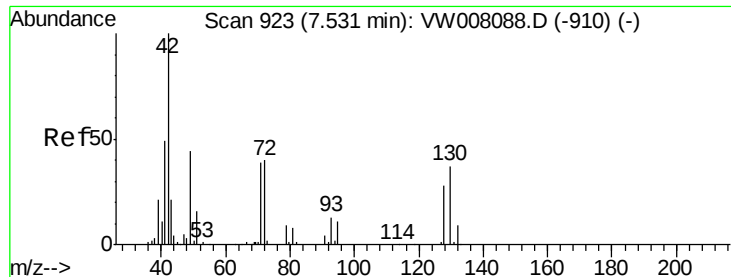
MMDadoda
 1/10/2019 5:06:04 PM



#28
 Bromochloromethane
 Concen: 49.716 ug/l
 RT: 7.51 min Scan# 920
 Delta R.T. 0.00 min
 Lab File: VW008119.D
 Acq: 09 Jan 2019 23:40

Tgt Ion	Ratio	Lower	Upper
49	100		
129	1.6	0.0	2.8
130	69.9	54.3	81.5





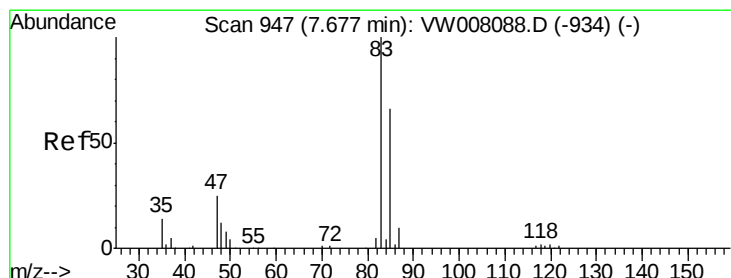
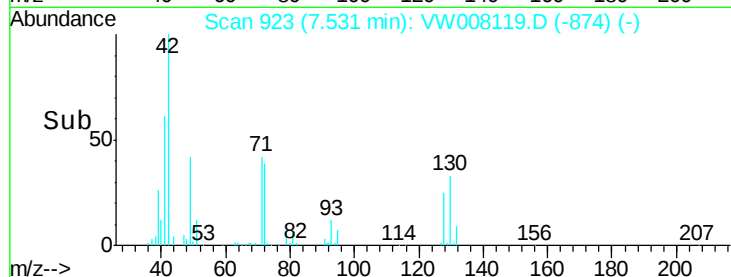
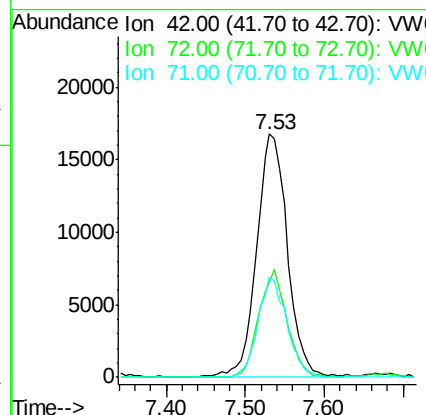
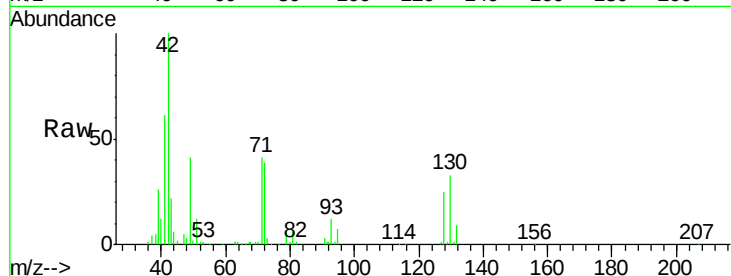
#29
Tetrahydrofuran
Concen: 270.144 ug/l
RT: 7.53 min Scan# 923
Delta R.T. 0.00 min
Lab File: VW008119.D
Acq: 09 Jan 2019 23:40

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
42	100		
72	40.3	32.4	48.6
71	38.7	31.3	46.9

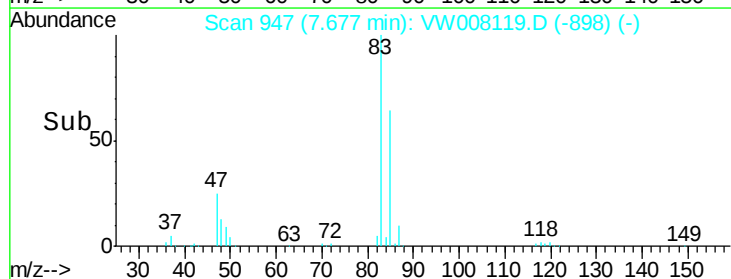
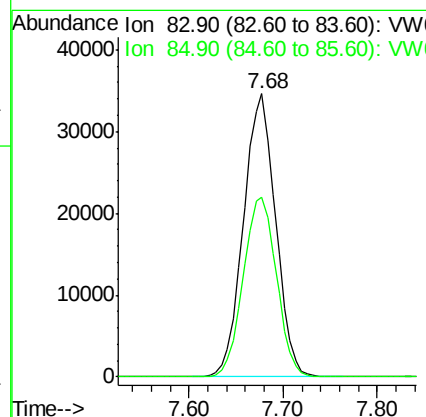
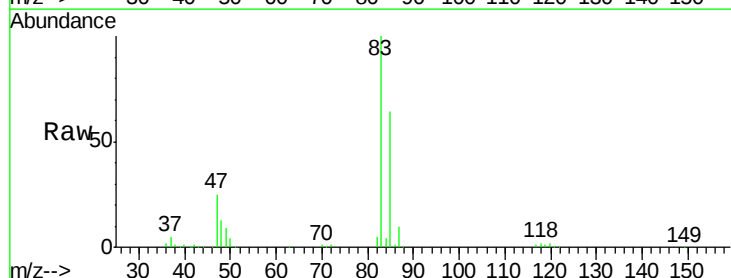
Manual Integrations
APPROVED

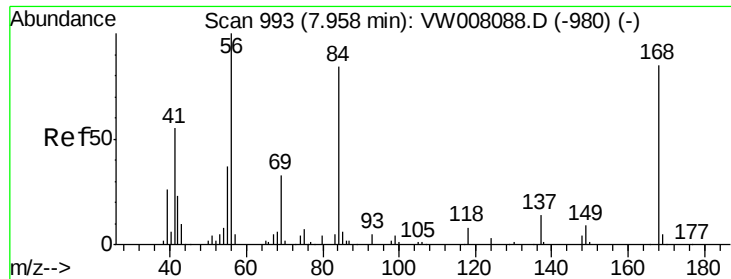
MMDadoda
1/10/2019 5:06:04 PM



#30
Chloroform
Concen: 48.288 ug/l
RT: 7.68 min Scan# 947
Delta R.T. 0.00 min
Lab File: VW008119.D
Acq: 09 Jan 2019 23:40

Tgt Ion	Ratio	Lower	Upper
83	100		
85	63.7	53.2	79.8





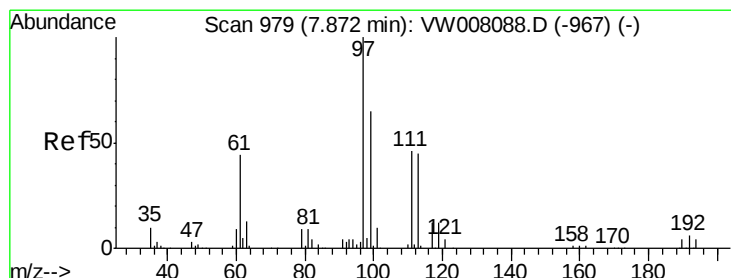
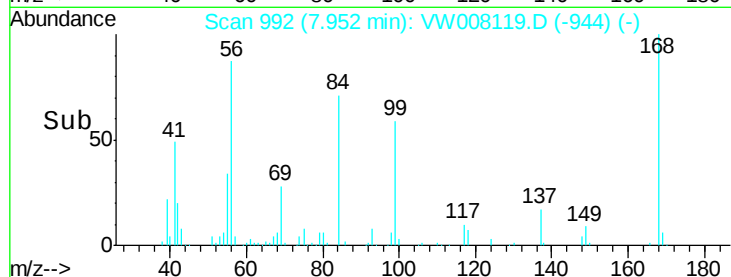
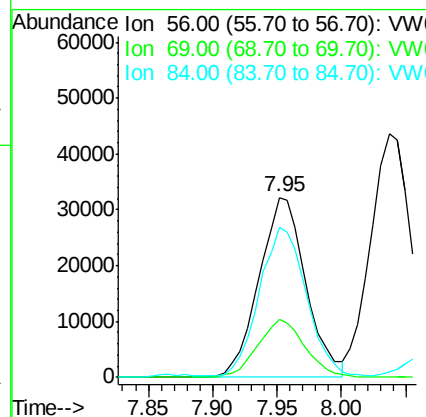
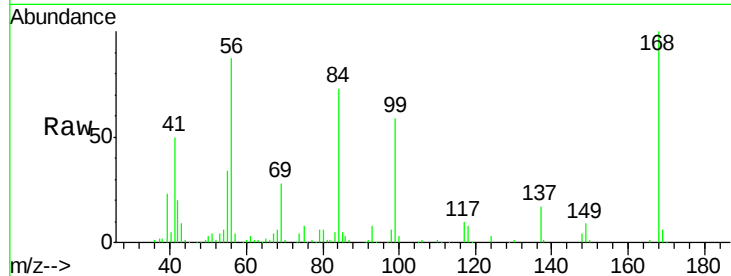
#31
Cyclohexane
Concen: 42.508 ug/l
RT: 7.95 min Scan# 992
Delta R.T. -0.01 min
Lab File: VW008119.D
Acq: 09 Jan 2019 23:40

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
56	100		
69	32.1	26.2	39.4
84	82.6	67.4	101.2

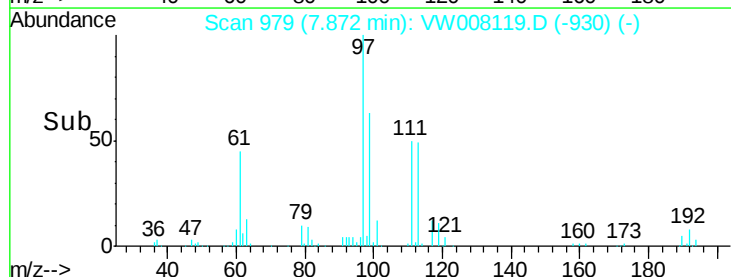
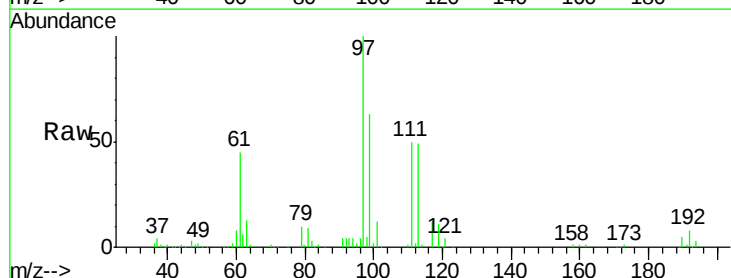
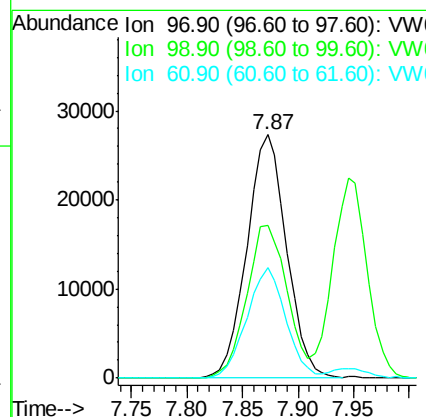
Manual Integrations
APPROVED

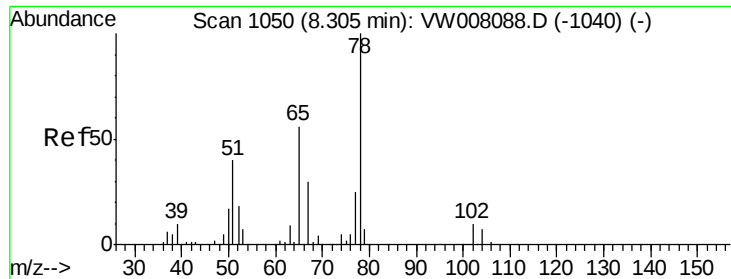
MMDadoda
1/10/2019 5:06:04 PM



#32
1,1,1-Trichloroethane
Concen: 45.782 ug/l
RT: 7.87 min Scan# 979
Delta R.T. -0.00 min
Lab File: VW008119.D
Acq: 09 Jan 2019 23:40

Tgt Ion	Ratio	Lower	Upper
97	100		
99	64.1	51.4	77.0
61	44.6	35.6	53.4





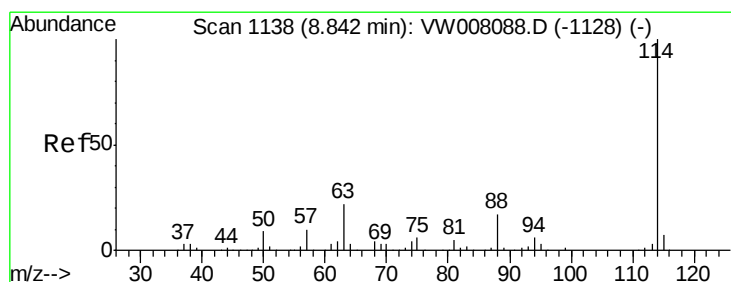
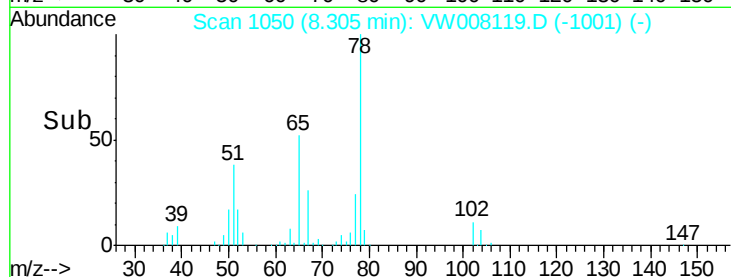
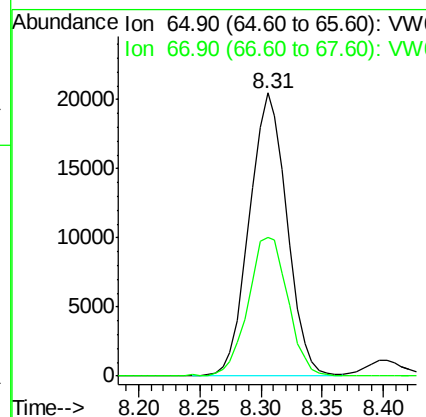
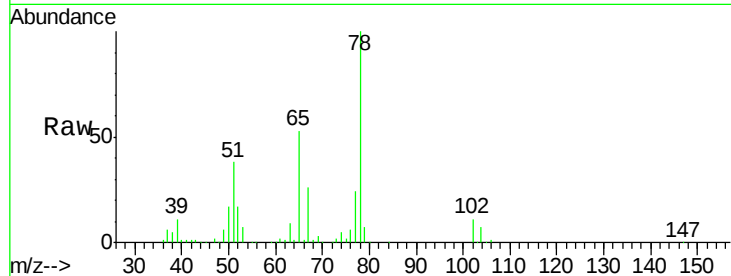
#33
 1,2-Dichloroethane-d4
 Concen: 48.356 ug/l
 RT: 8.31 min Scan# 1050
 Delta R.T. -0.00 min
 Lab File: VW008119.D
 Acq: 09 Jan 2019 23:40

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
65	100			
67	51.9	0.0	106.8	

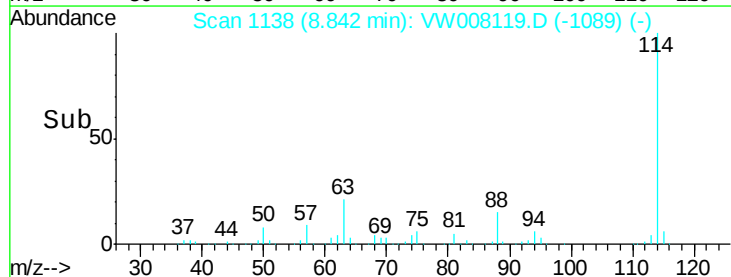
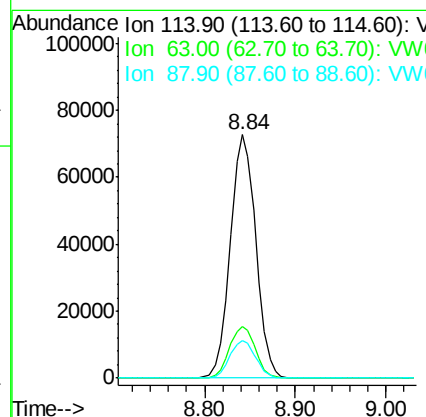
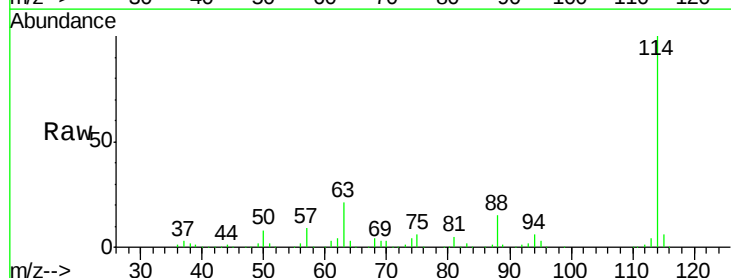
Manual Integrations
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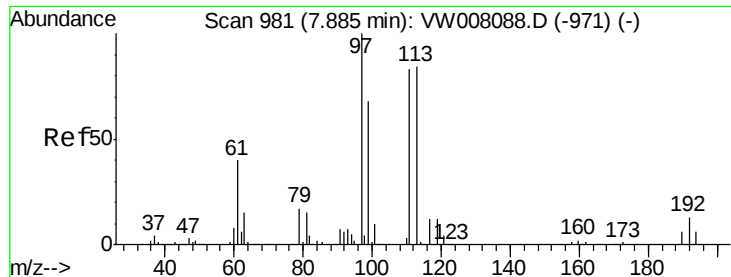
MMDadoda
 1/10/2019 5:06:04 PM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1138
 Delta R.T. 0.00 min
 Lab File: VW008119.D
 Acq: 09 Jan 2019 23:40

Tgt Ion	Ratio	Resp	Lower	Upper
114	100			
63	21.2	0.0	43.4	
88	15.2	0.0	33.4	





#35

Dibromofluoromethane

Concen: 50.150 ug/l

RT: 7.88 min Scan# 981

Delta R.T. 0.00 min

Lab File: VW008119.D

Acq: 09 Jan 2019 23:40

Instrument :

MSVOA_W

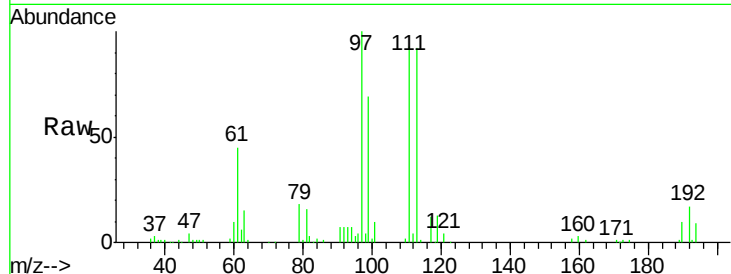
ClientSampleId :

VSTDCCC050

Tot Ion	Ratio	Lower	Upper
113	100		
111	102.8	81.8	122.8
192	18.5	12.8	19.2

Manual Integrations
APPROVED

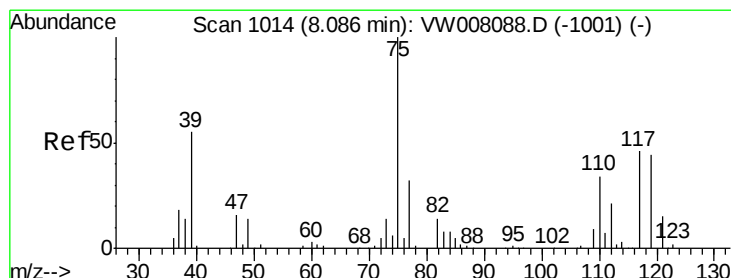
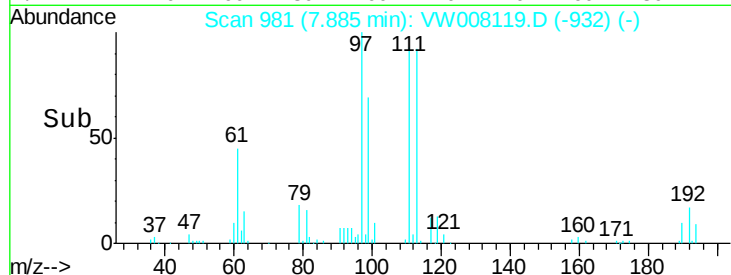
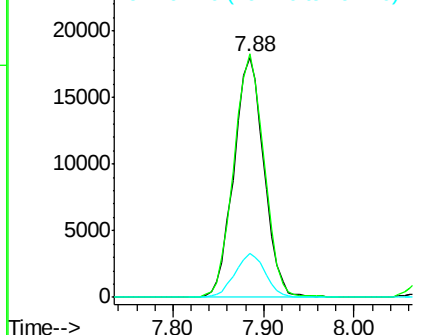
MMDadoda
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Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V



#36

1,1-Dichloropropene

Concen: 44.124 ug/l

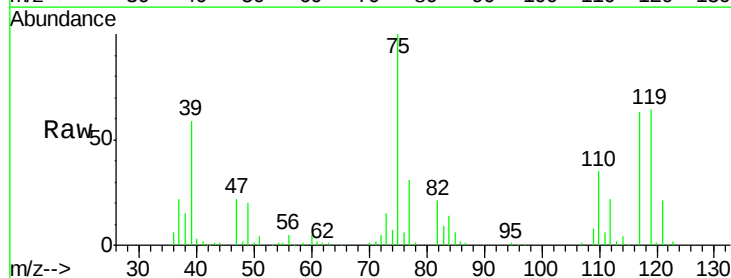
RT: 8.08 min Scan# 1013

Delta R.T. -0.01 min

Lab File: VW008119.D

Acq: 09 Jan 2019 23:40

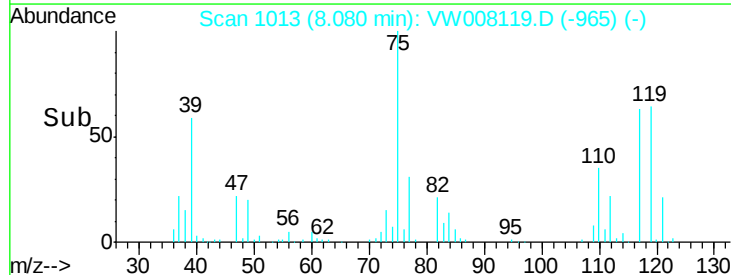
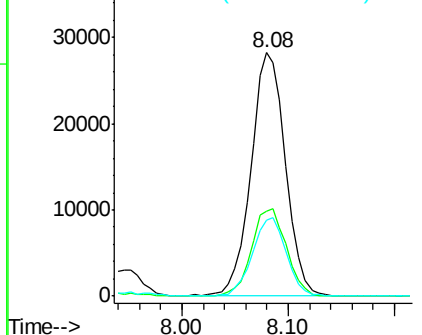
Tgt Ion	Ratio	Lower	Upper
75	100		
110	36.0	17.1	51.3
77	31.7	25.5	38.3

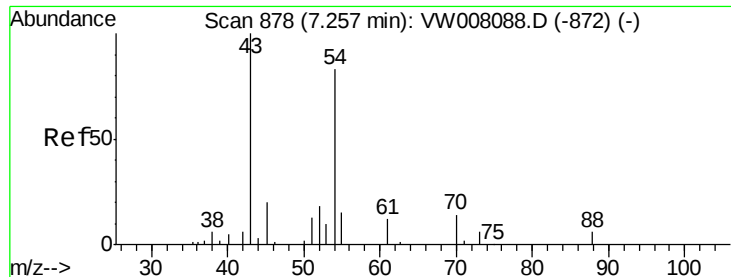


Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VW





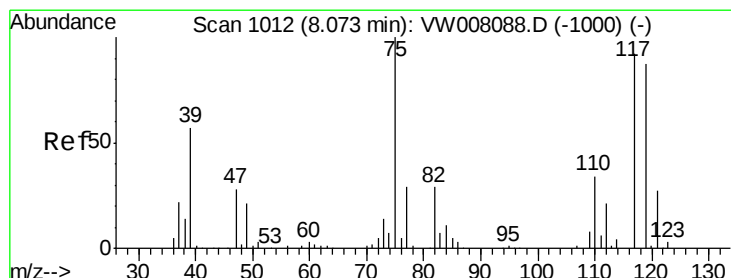
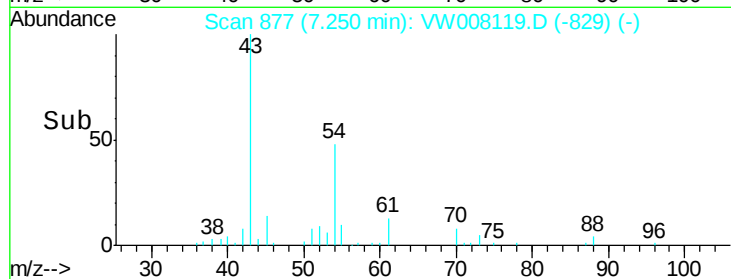
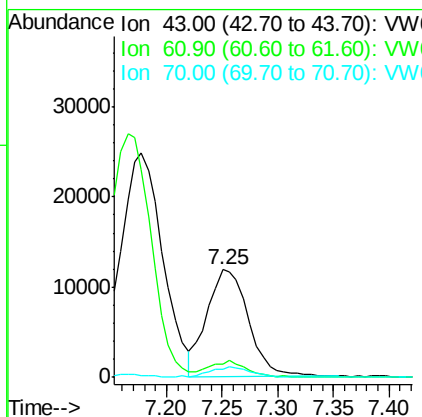
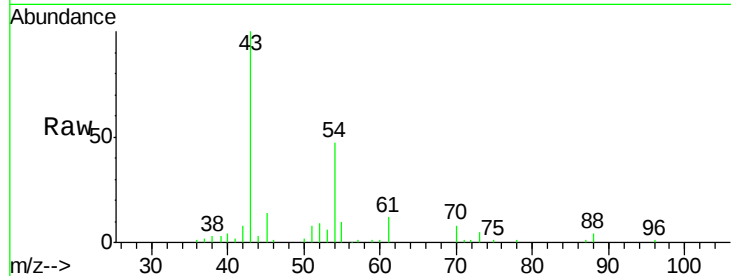
#37
Ethyl Acetate
Concen: 53.120 ug/l
RT: 7.25 min Scan# 877
Delta R.T. -0.01 min
Lab File: VW008119.D
Acq: 09 Jan 2019 23:40

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
43	100		
61	13.8	10.6	16.0
70	9.4	8.9	13.3

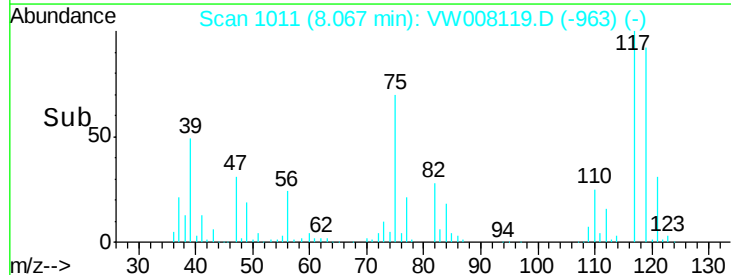
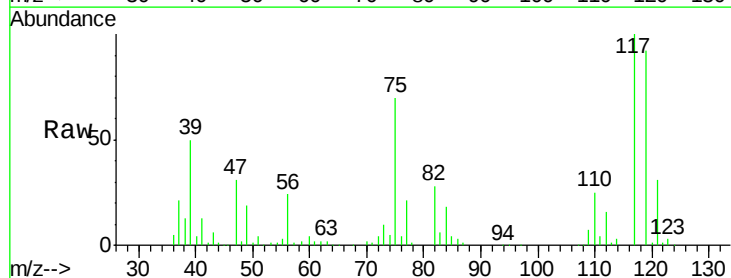
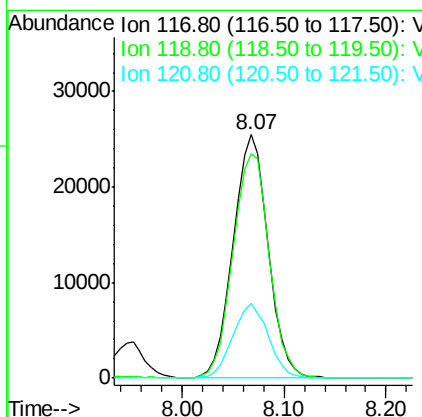
Manual Integrations
APPROVED

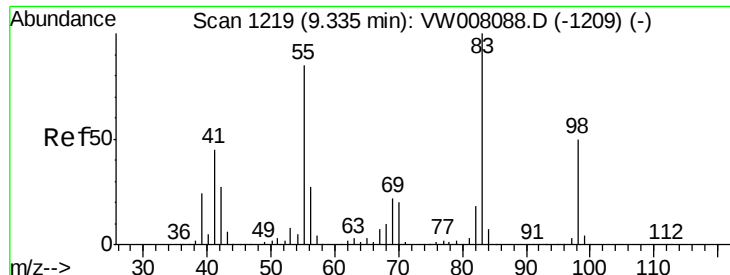
MMDadoda
1/10/2019 5:06:04 PM



#38
Carbon Tetrachloride
Concen: 45.478 ug/l
RT: 8.07 min Scan# 1011
Delta R.T. -0.01 min
Lab File: VW008119.D
Acq: 09 Jan 2019 23:40

Tgt Ion	Ratio	Lower	Upper
117	100		
119	92.0	75.8	113.8
121	30.7	23.7	35.5





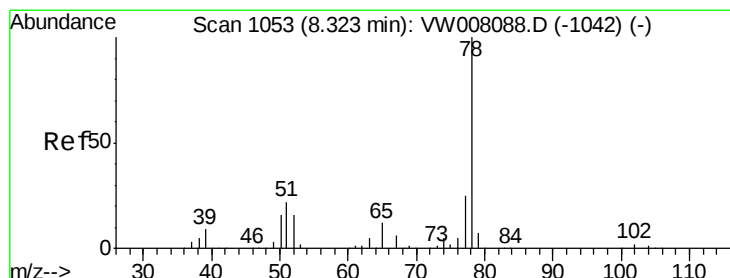
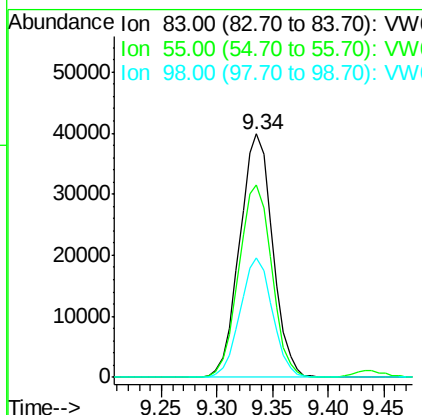
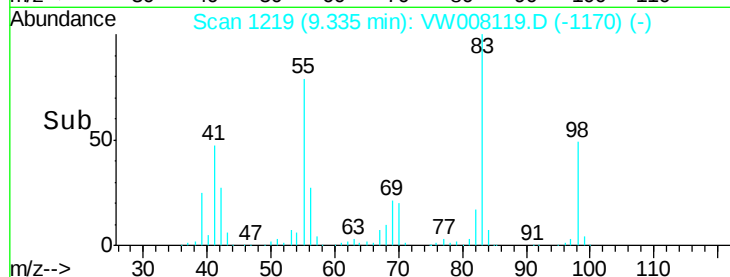
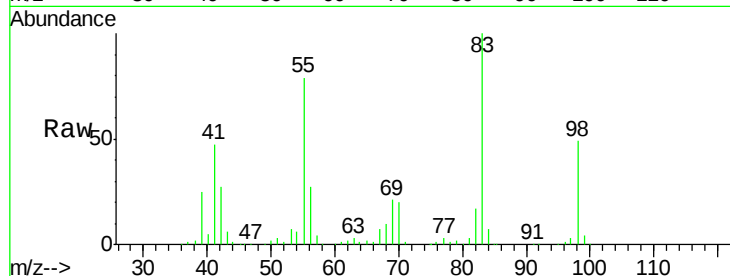
#39
Methvlcvclohexane
Concen: 44.392 ug/l
RT: 9.34 min Scan# 1219
Delta R.T. 0.00 min
Lab File: VW008119.D
Acq: 09 Jan 2019 23:40

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
83	100		
55	79.1	67.8	101.6
98	49.1	40.2	60.4

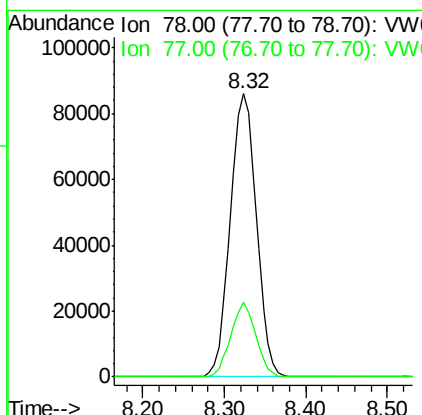
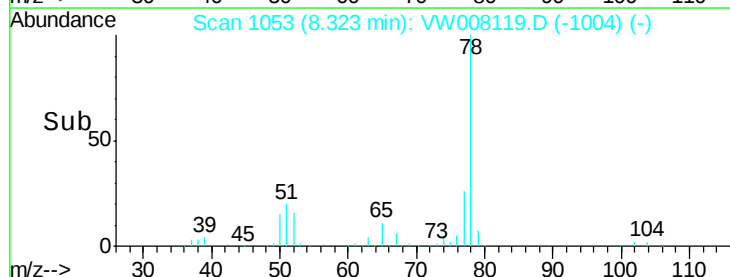
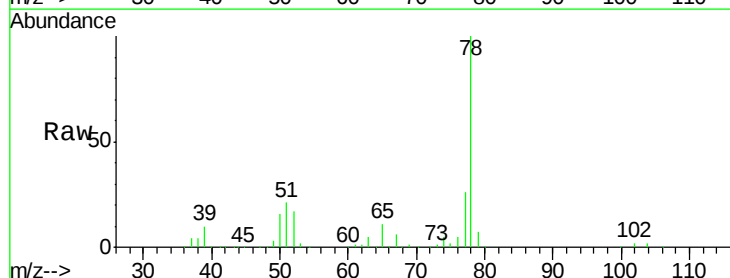
Manual Integrations
APPROVED

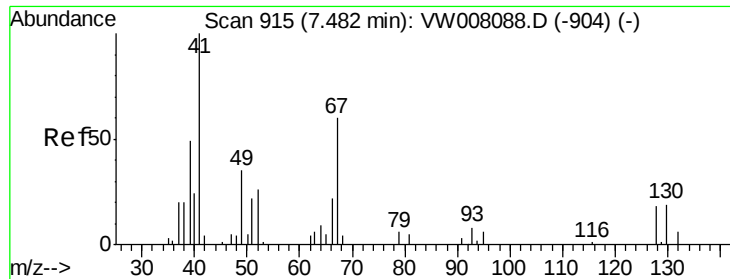
MMDadoda
1/10/2019 5:06:04 PM



#40
Benzene
Concen: 47.926 ug/l
RT: 8.32 min Scan# 1053
Delta R.T. 0.00 min
Lab File: VW008119.D
Acq: 09 Jan 2019 23:40

Tgt Ion	Ratio	Lower	Upper
78	100		
77	26.2	20.2	30.4





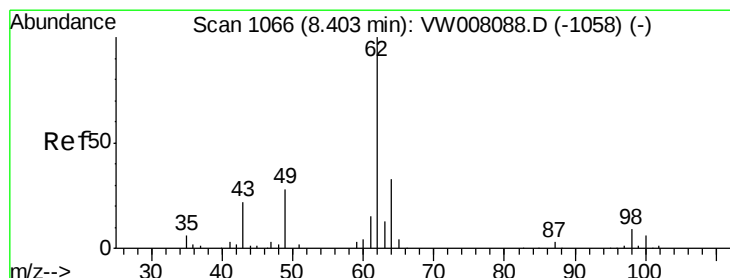
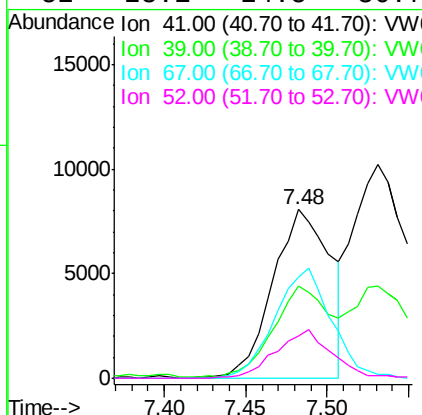
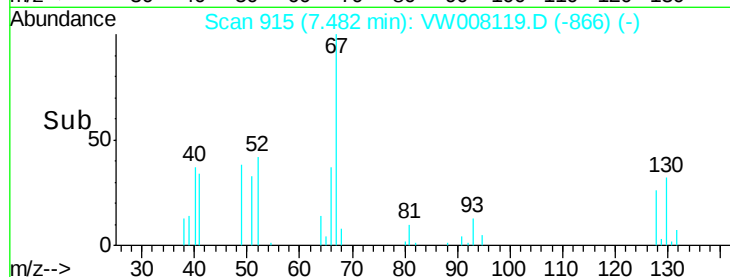
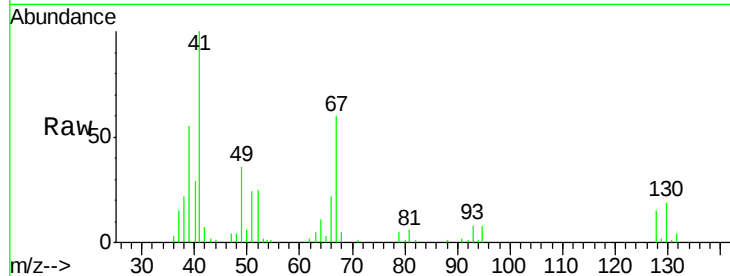
#41
Methacrylonitrile
Concen: 53.604 ug/l
RT: 7.48 min Scan# 915
Delta R.T. 0.00 min
Lab File: VW008119.D
Acq: 09 Jan 2019 23:40

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion	Ion	Ratio	Lower	Upper
41	100			
39	52.3	47.9	71.9	
67	63.6	56.3	84.5	
52	28.1	24.5	36.7	

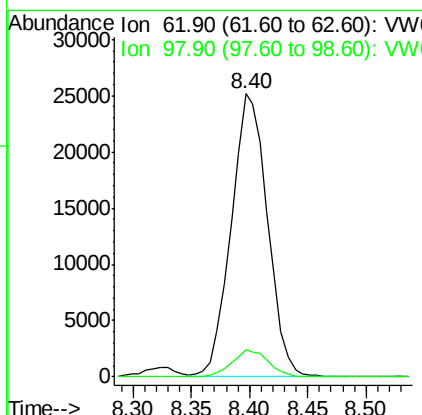
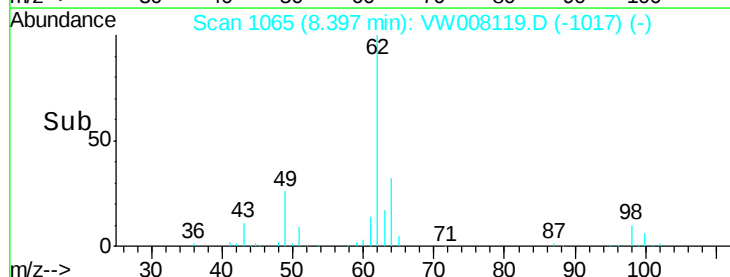
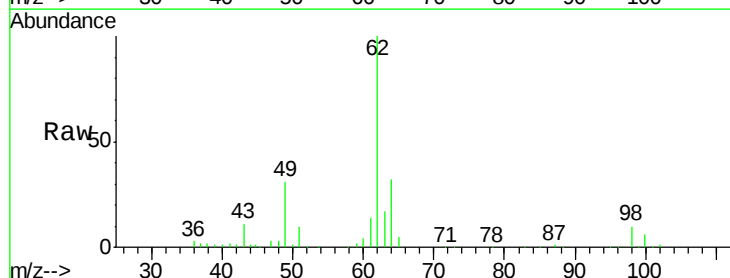
Manual Integrations
APPROVED

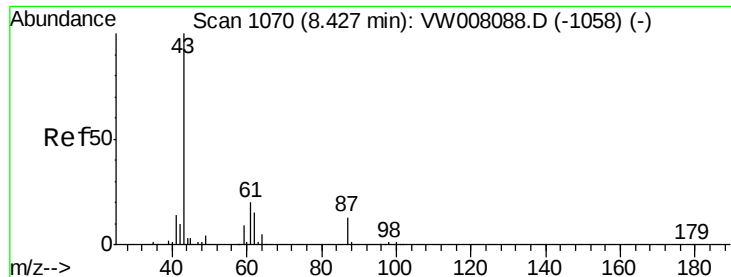
MMDadoda
1/10/2019 5:06:04 PM



#42
1,2-Dichloroethane
Concen: 49.084 ug/l
RT: 8.40 min Scan# 1065
Delta R.T. -0.01 min
Lab File: VW008119.D
Acq: 09 Jan 2019 23:40

Tgt Ion	Ion	Ratio	Lower	Upper
62	100			
98	9.7	0.0	18.6	





#43

Isopropyl Acetate

Concen: 53.856 ug/l

RT: 8.43 min Scan# 1070

Delta R.T. 0.00 min

Lab File: VW008119.D

Acq: 09 Jan 2019 23:40

Instrument :

MSVOA_W

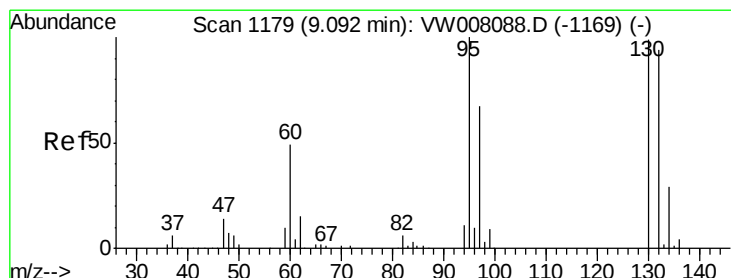
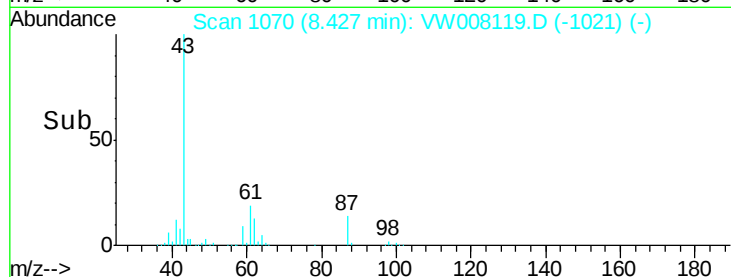
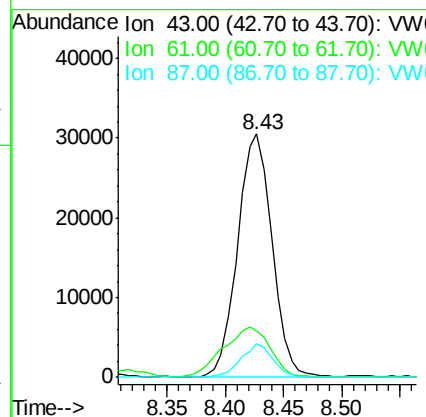
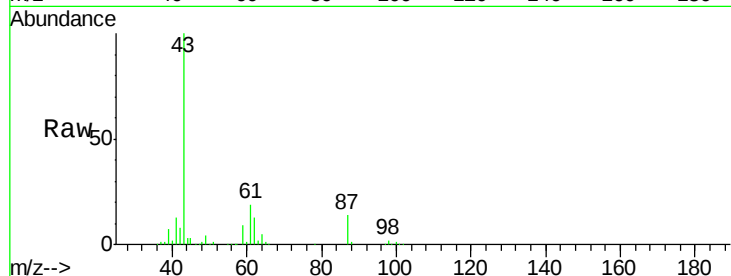
ClientSampleId :

VSTDCCC050

Tot Ion:	43	Resp:	62814
Ion	Ratio	Lower	Upper
43	100		
61	28.5	24.8	37.2
87	13.0	10.4	15.6

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#44

Trichloroethene

Concen: 47.638 ug/l

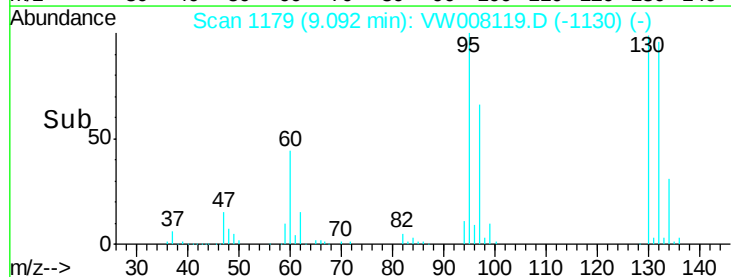
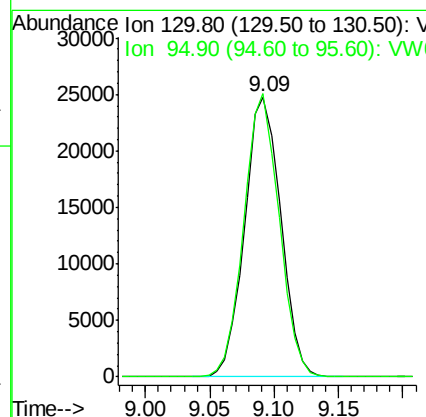
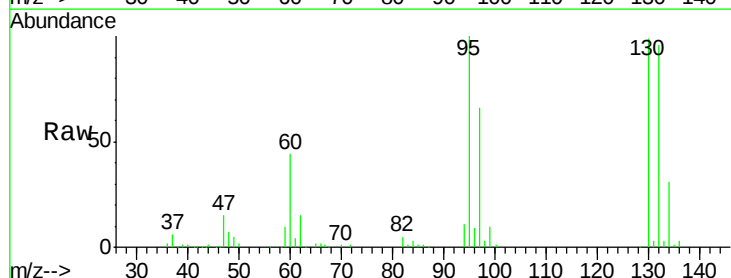
RT: 9.09 min Scan# 1179

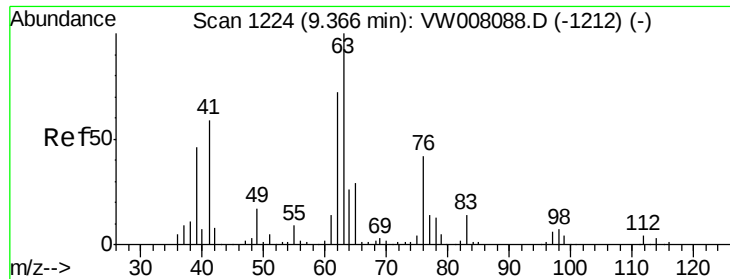
Delta R.T. 0.00 min

Lab File: VW008119.D

Acq: 09 Jan 2019 23:40

Tgt Ion:	130	Resp:	48160
Ion	Ratio	Lower	Upper
130	100		
95	101.0	0.0	202.8





#45

1,2-Dichloropropane

Concen: 50.606 ug/l

RT: 9.37 min Scan# 1225

Delta R.T. 0.01 min

Lab File: VW008119.D

Acq: 09 Jan 2019 23:40

Instrument :

MSVOA_W

ClientSampled :

VSTDCCC050

Tot Ion: 63 Resp: 49556

Ion Ratio Lower Upper

63 100

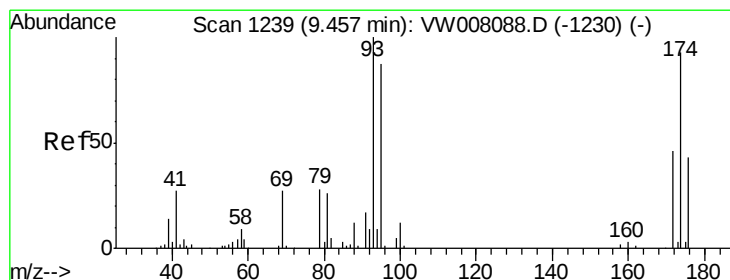
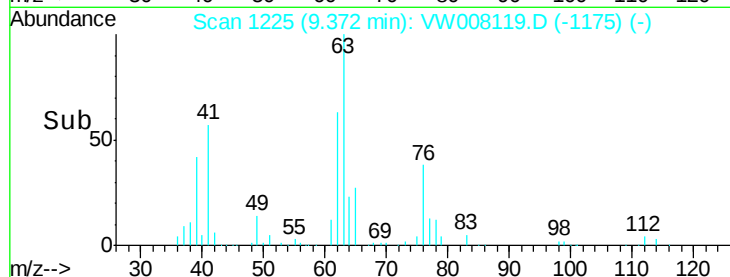
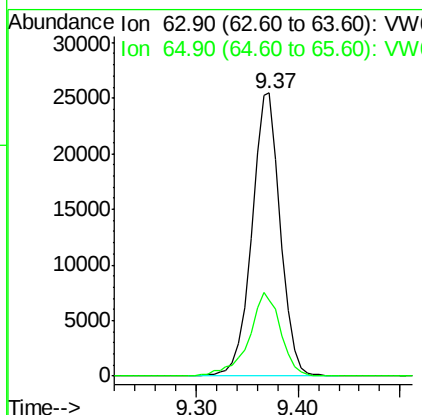
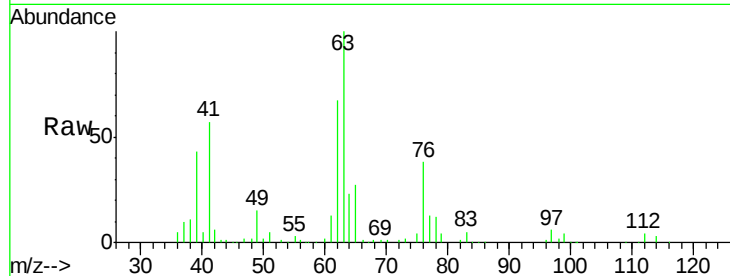
65 27.0 23.3 34.9

Manual Integrations

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#46

Dibromomethane

Concen: 51.053 ug/l

RT: 9.46 min Scan# 1239

Delta R.T. 0.00 min

Lab File: VW008119.D

Acq: 09 Jan 2019 23:40

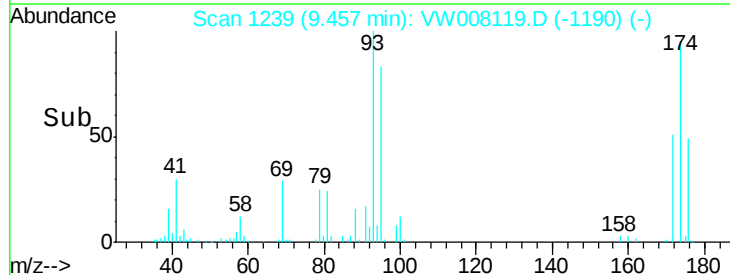
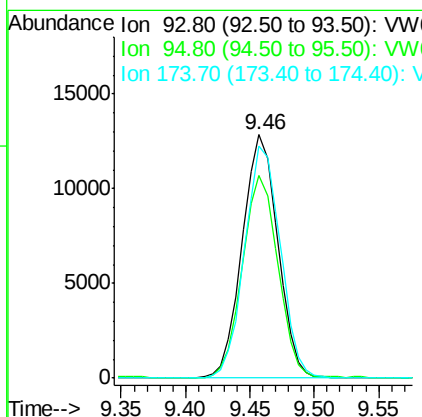
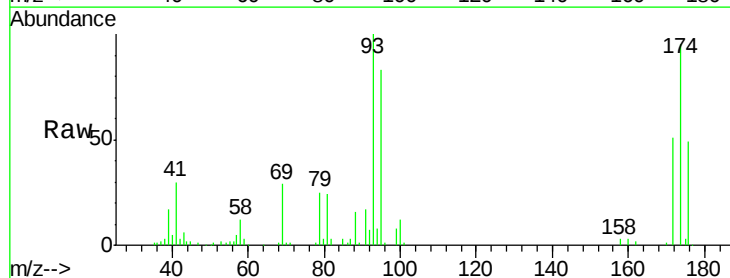
Tgt Ion: 93 Resp: 24552

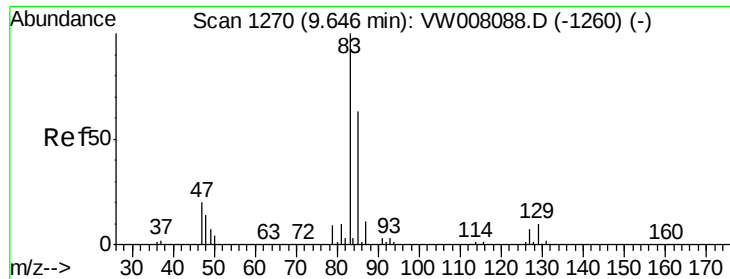
Ion Ratio Lower Upper

93 100

95 83.4 67.5 101.3

174 95.7 72.5 108.7





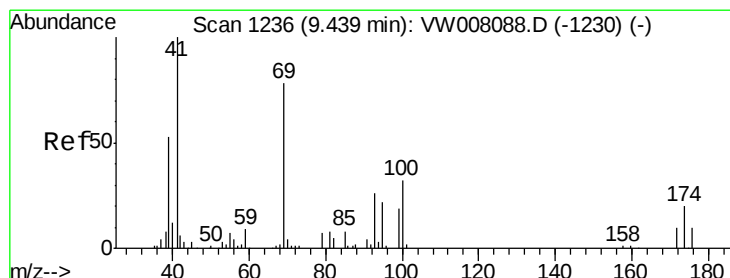
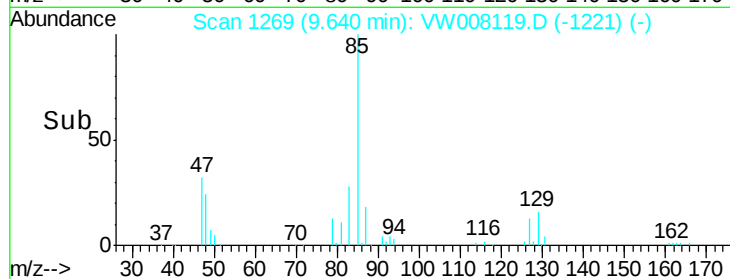
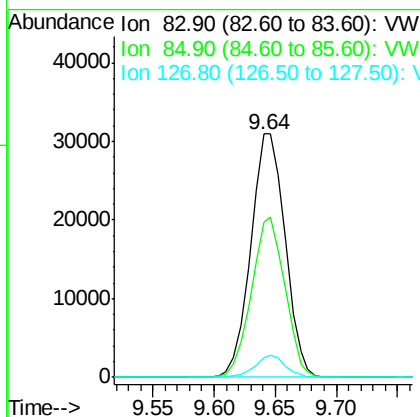
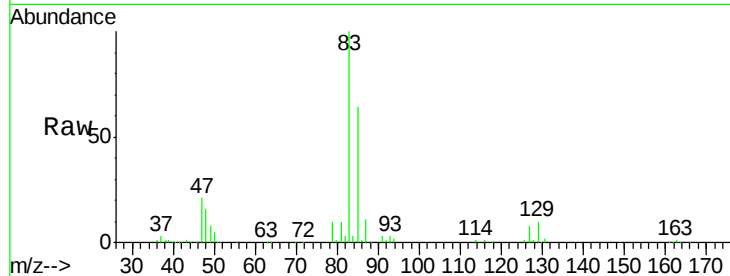
#47
Bromodichloromethane
Concen: 49.584 ug/l
RT: 9.64 min Scan# 1269
Delta R.T. -0.01 min
Lab File: VW008119.D
Acq: 09 Jan 2019 23:40

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion	83	85	127	Ratio	Lower	Upper
83	100					
85	63.7				50.7	76.1
127	8.1				6.0	9.0

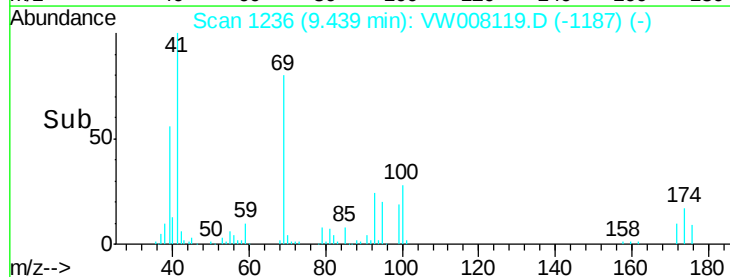
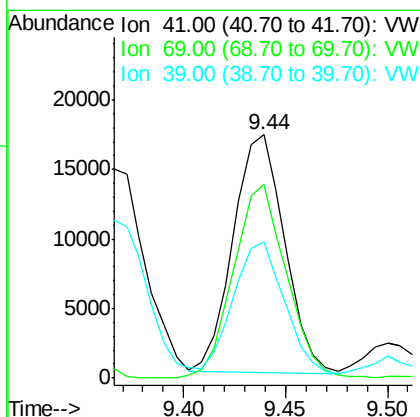
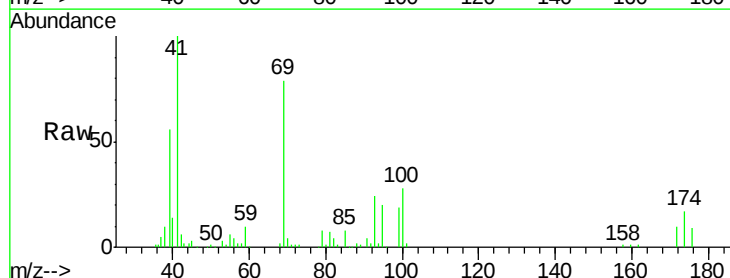
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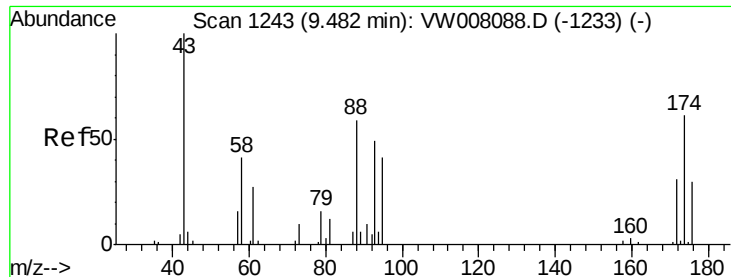
MMDadoda
1/10/2019 5:06:04 PM



#48
Methyl methacrylate
Concen: 54.339 ug/l
RT: 9.44 min Scan# 1236
Delta R.T. 0.00 min
Lab File: VW008119.D
Acq: 09 Jan 2019 23:40

Tgt Ion	41	69	39	Ratio	Lower	Upper
41	100					
69	84.1				61.9	92.9
39	54.7				43.0	64.4





#49

1,4-Dioxane

Concen: 981.512 ug/l

RT: 9.47 min Scan# 1241

Delta R.T. -0.01 min

Lab File: VW008119.D

Acq: 09 Jan 2019 23:40

Instrument :

MSVOA_W

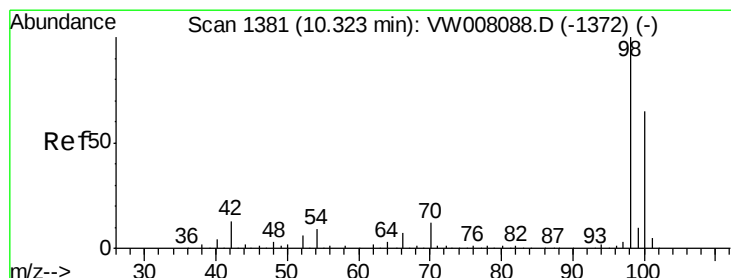
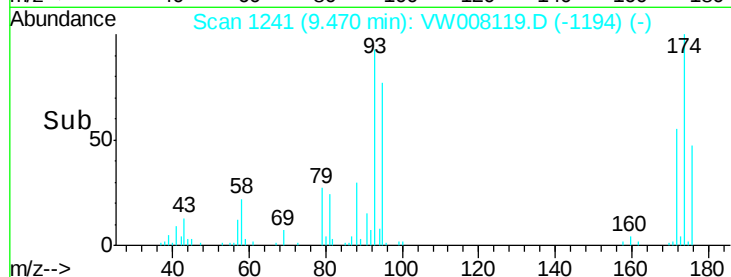
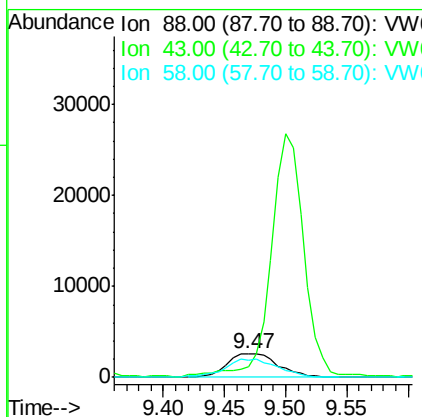
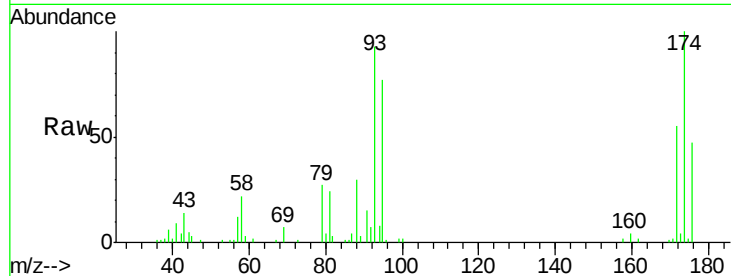
ClientSampleId :

VSTDCCC050

Tot Ion	88	Resp	7591
Ion	Ratio	Lower	Upper
88	100		
43	0.0	0.0	0.0
58	79.9	61.7	92.5

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#50

Toluene-d8

Concen: 47.389 ug/l

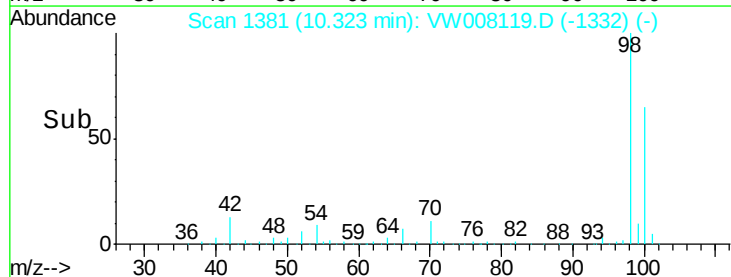
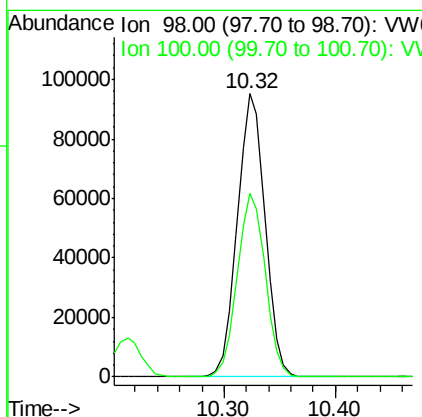
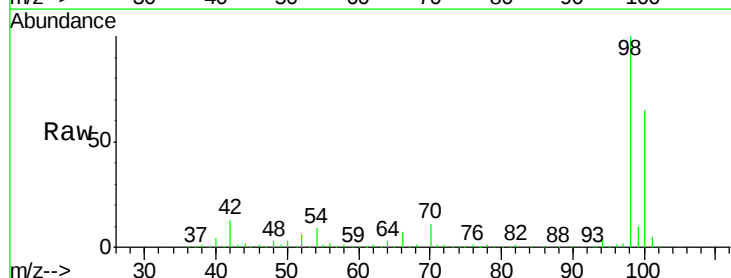
RT: 10.32 min Scan# 1381

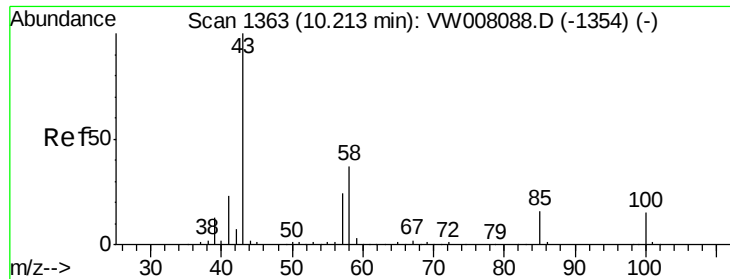
Delta R.T. 0.00 min

Lab File: VW008119.D

Acq: 09 Jan 2019 23:40

Tgt Ion	98	Resp	163948
Ion	Ratio	Lower	Upper
98	100		
100	65.5	51.7	77.5





#51

4-Methyl-2-Pentanone

Concen: 279.001 ug/l

RT: 10.21 min Scan# 1363

Delta R.T. 0.00 min

Lab File: VW008119.D

Acq: 09 Jan 2019 23:40

Instrument :

MSVOA_W

ClientSampled :

VSTDCCC050

Tot Ion: 43 Resp: 157515

Ion Ratio Lower Upper

43 100

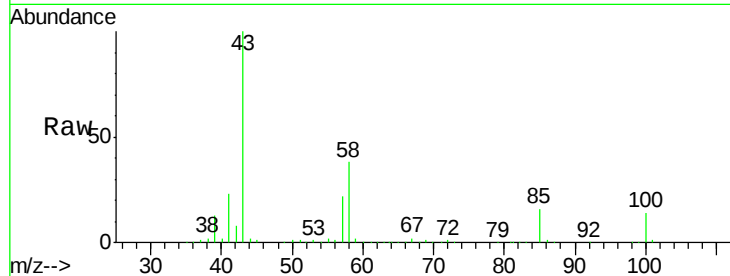
58 37.0 30.6 46.0

Manual Integrations

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Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW

10.21

100000

80000

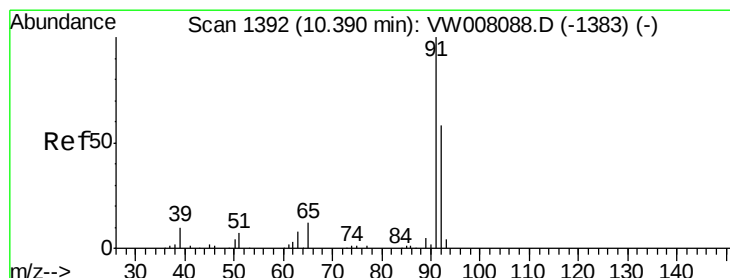
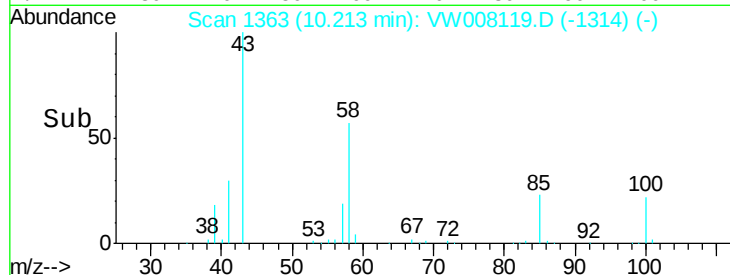
60000

40000

20000

0

Time-->



#52

Toluene

Concen: 47.578 ug/l

RT: 10.39 min Scan# 1392

Delta R.T. 0.00 min

Lab File: VW008119.D

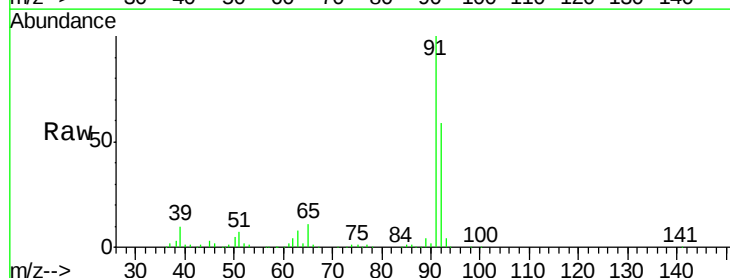
Acq: 09 Jan 2019 23:40

Tgt Ion: 92 Resp: 119999

Ion Ratio Lower Upper

92 100

91 172.8 137.0 205.4



Abundance Ion 92.00 (91.70 to 92.70): VW

Ion 91.00 (90.70 to 91.70): VW

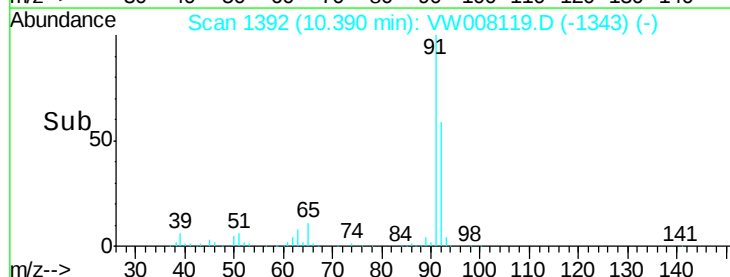
10.39

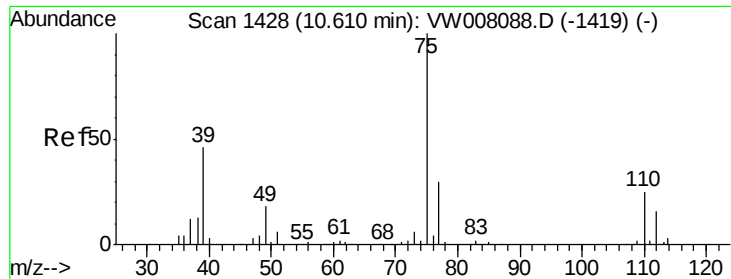
100000

50000

0

Time-->





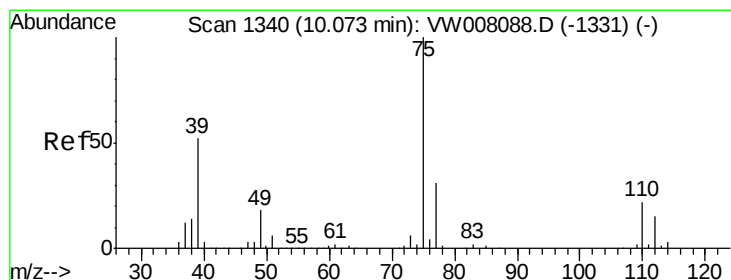
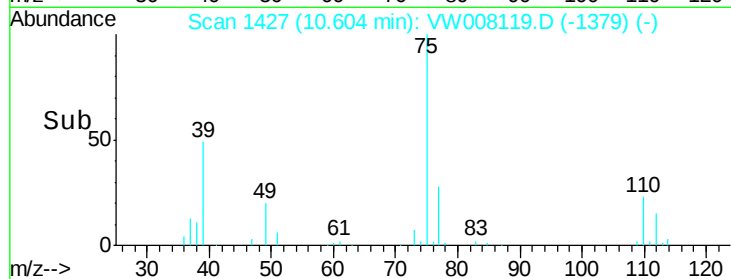
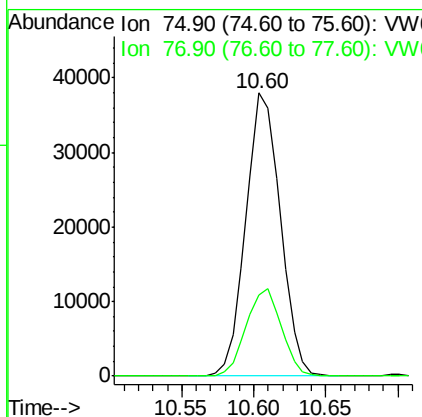
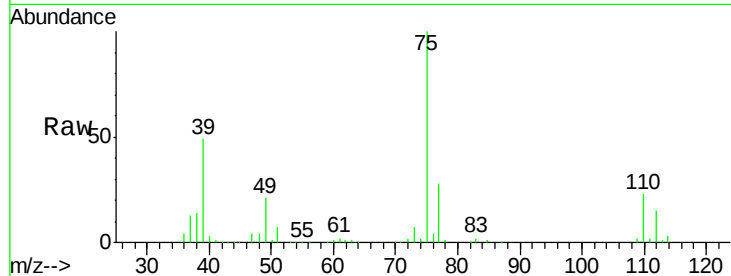
#53
t-1,3-Dichloropropene
Concen: 49.745 ug/l
RT: 10.60 min Scan# 1427
Delta R.T. -0.01 min
Lab File: VW008119.D
Acq: 09 Jan 2019 23:40

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion: 75 Resp: 63186
Ion Ratio Lower Upper
75 100
77 28.5 24.4 36.6

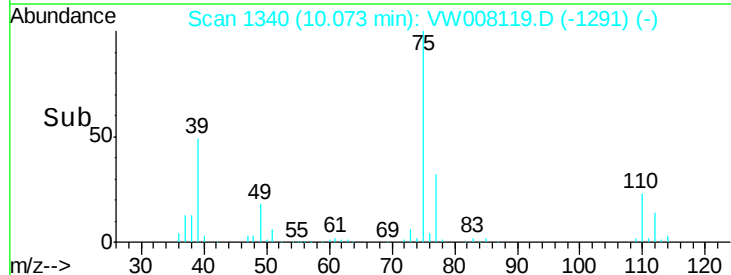
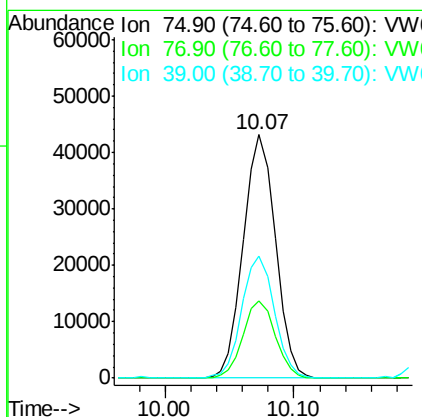
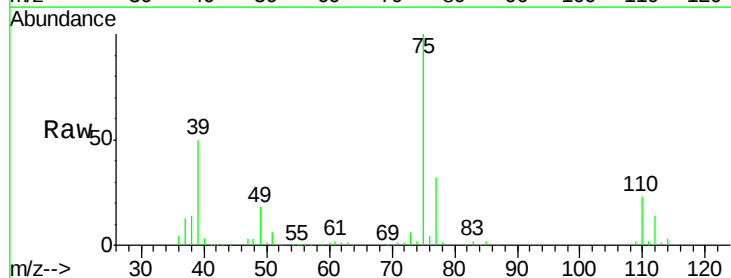
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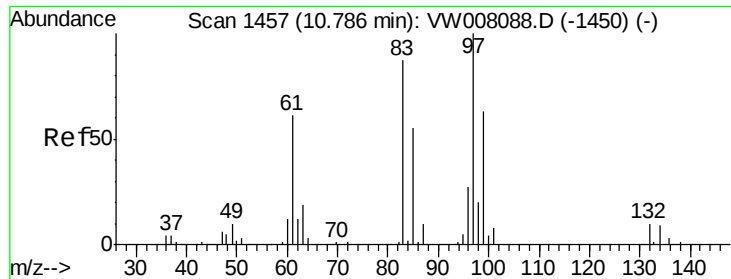
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#54
cis-1,3-Dichloropropene
Concen: 49.727 ug/l
RT: 10.07 min Scan# 1340
Delta R.T. 0.00 min
Lab File: VW008119.D
Acq: 09 Jan 2019 23:40

Tgt Ion: 75 Resp: 74900
Ion Ratio Lower Upper
75 100
77 31.7 25.2 37.8
39 49.6 41.4 62.0





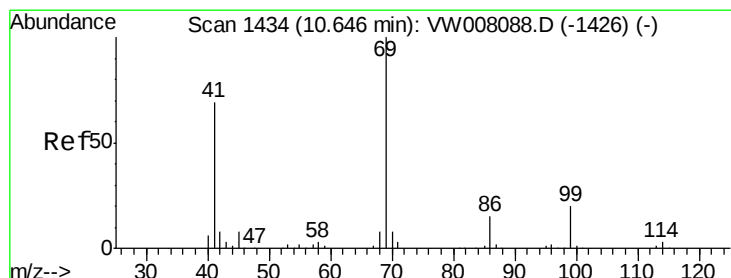
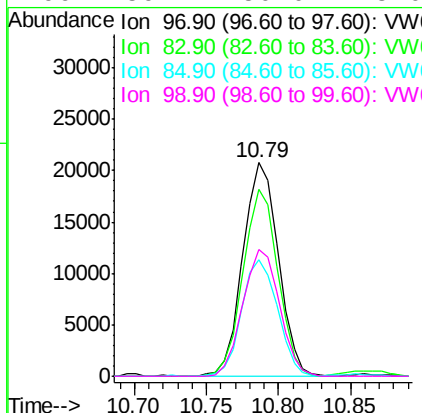
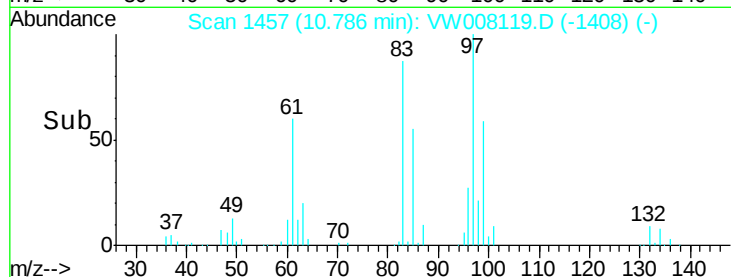
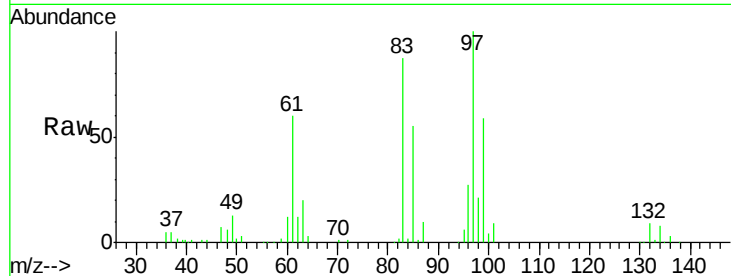
#55
 1,1,2-Trichloroethane
 Concen: 52.523 ug/l
 RT: 10.79 min Scan# 1457
 Delta R.T. 0.00 min
 Lab File: VW008119.D
 Acq: 09 Jan 2019 23:40

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

Tot Ion:	97	Resp:	35464
Ion	Ratio	Lower	Upper
97	100		
83	87.2	69.3	103.9
85	54.7	43.8	65.6
99	59.2	50.0	75.0

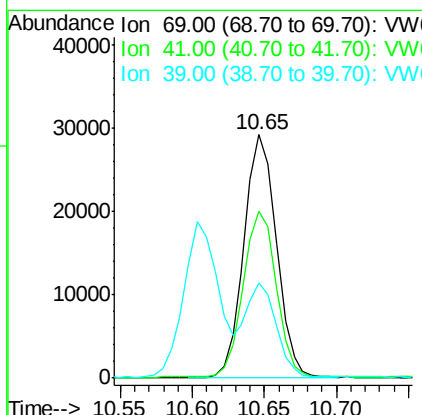
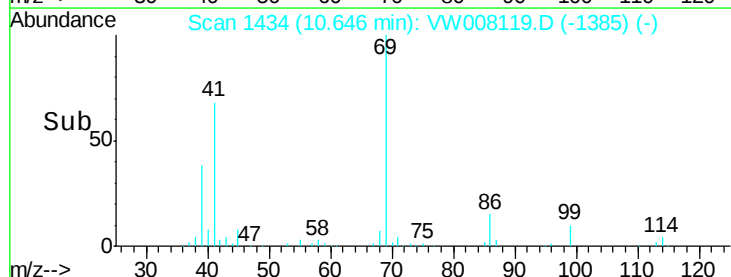
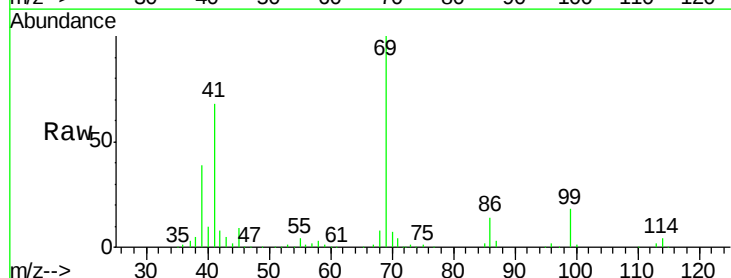
Manual Integrations
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#56
 Ethyl methacrylate
 Concen: 54.925 ug/l
 RT: 10.65 min Scan# 1434
 Delta R.T. 0.00 min
 Lab File: VW008119.D
 Acq: 09 Jan 2019 23:40

Tgt Ion:	69	Resp:	45927
Ion	Ratio	Lower	Upper
69	100		
41	70.2	56.4	84.6
39	36.6	28.1	42.1





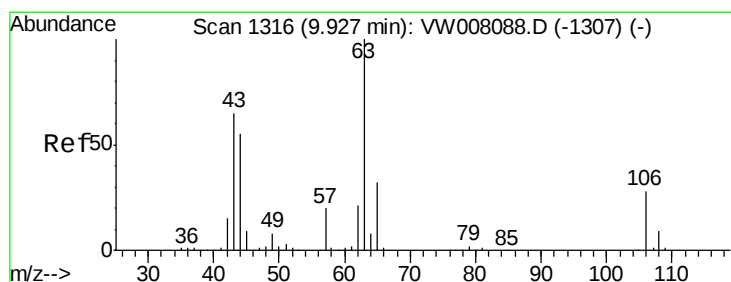
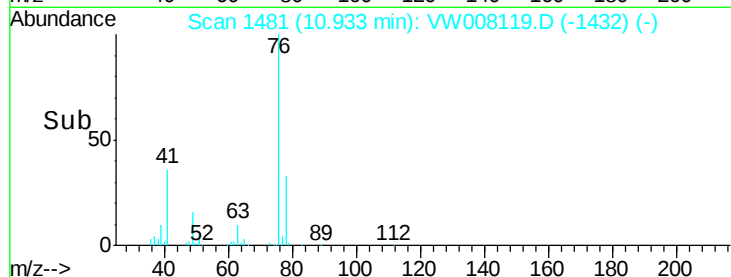
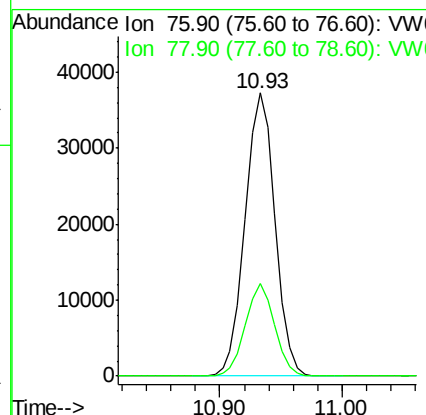
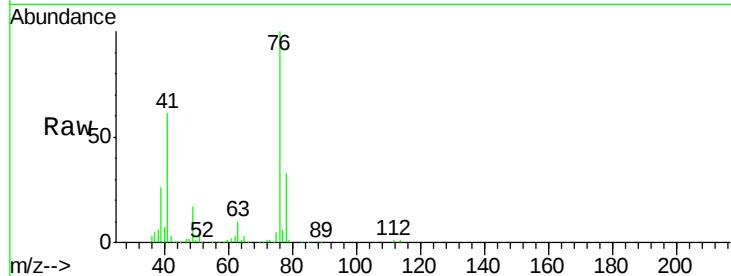
#57
 1,3-Dichloropropane
 Concen: 51.240 ug/l
 RT: 10.93 min Scan# 1481
 Delta R.T. 0.00 min
 Lab File: VW008119.D
 Acq: 09 Jan 2019 23:40

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

Tot Ion: 76 Resp: 63274
 Ion Ratio Lower Upper
 76 100
 78 32.0 25.7 38.5

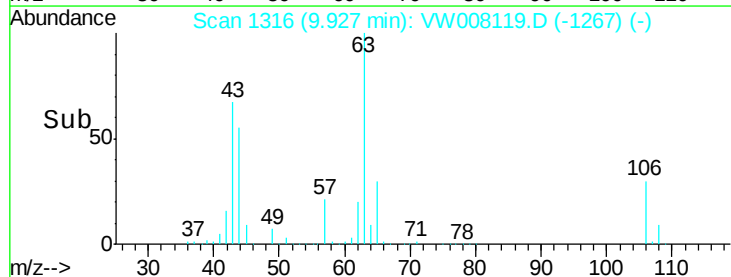
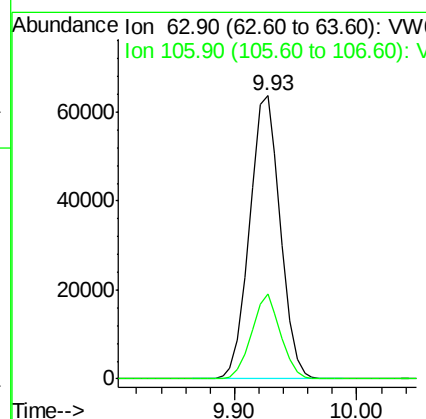
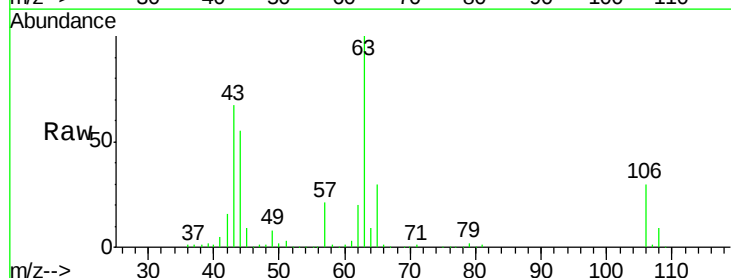
Manual Integrations
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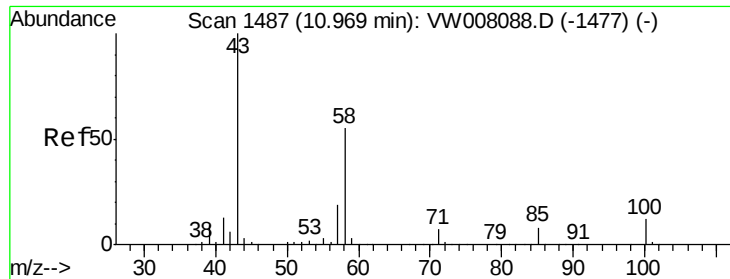
MMDadoda
 1/10/2019 5:06:04 PM



#58
 2-Chloroethyl Vinyl ether
 Concen: 256.658 ug/l
 RT: 9.93 min Scan# 1316
 Delta R.T. 0.00 min
 Lab File: VW008119.D
 Acq: 09 Jan 2019 23:40

Tgt Ion: 63 Resp: 110858
 Ion Ratio Lower Upper
 63 100
 106 28.3 21.8 32.6





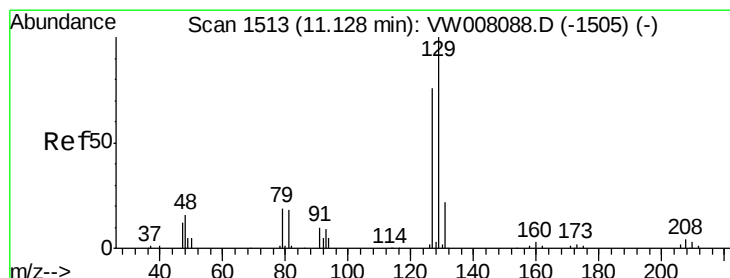
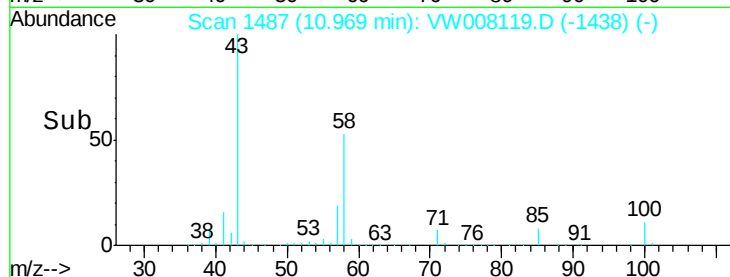
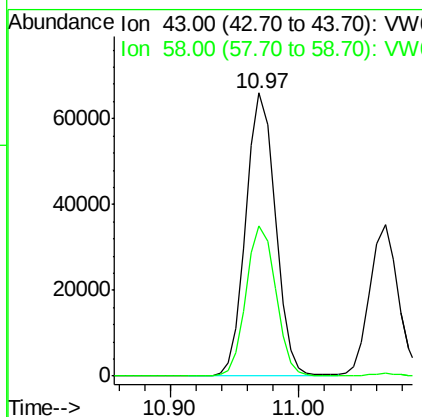
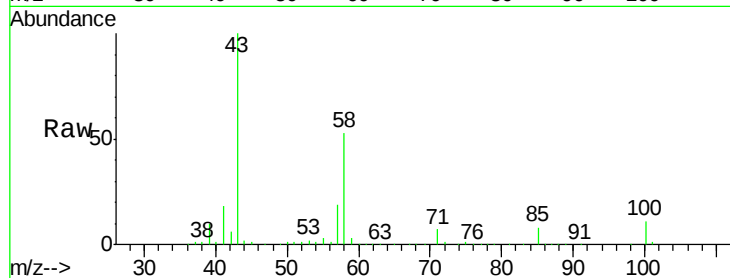
#59
2-Hexanone
Concen: 275.472 ug/l
RT: 10.97 min Scan# 1487
Delta R.T. 0.00 min
Lab File: VW008119.D
Acq: 09 Jan 2019 23:40

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion: 43 Resp: 105172
Ion Ratio Lower Upper
43 100
58 53.0 27.2 81.5

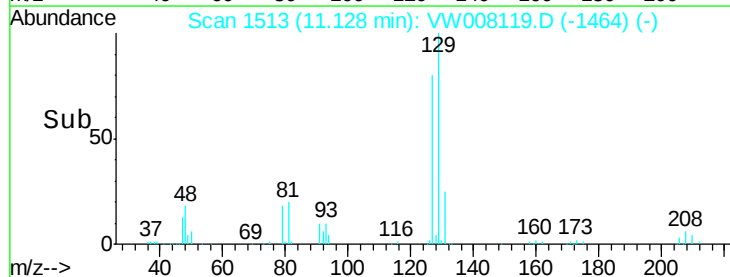
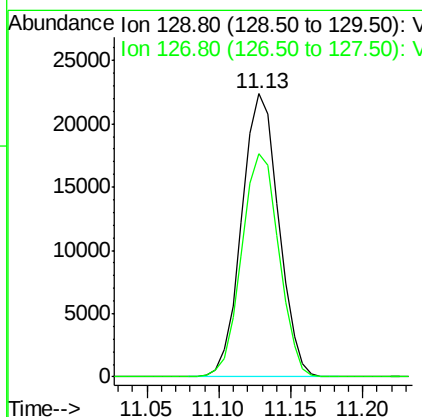
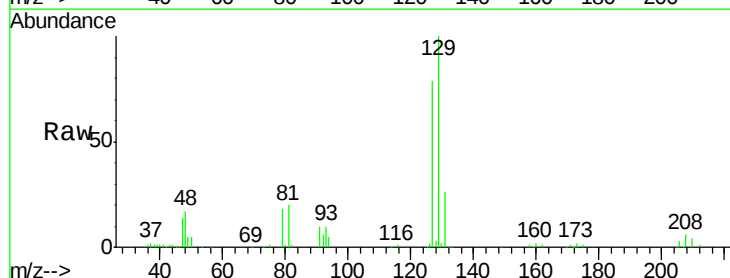
Manual Integrations
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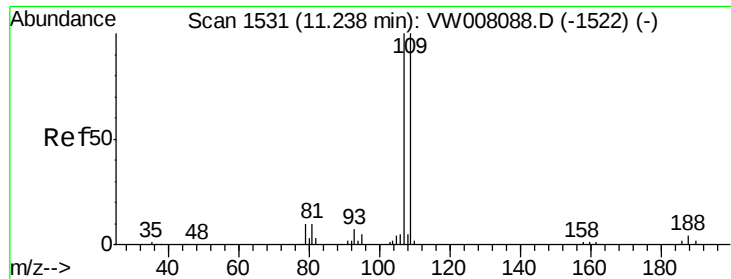
MMDadoda
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#60
Dibromochloromethane
Concen: 53.583 ug/l
RT: 11.13 min Scan# 1513
Delta R.T. 0.00 min
Lab File: VW008119.D
Acq: 09 Jan 2019 23:40

Tgt Ion: 129 Resp: 39729
Ion Ratio Lower Upper
129 100
127 79.7 38.9 116.6





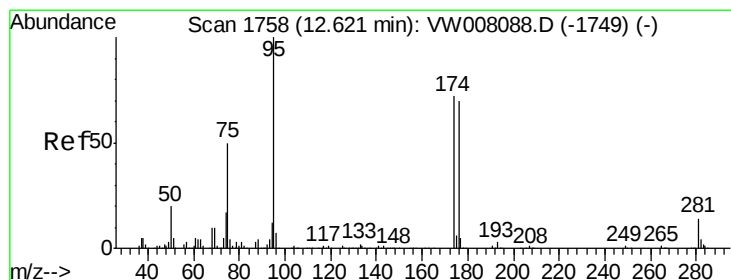
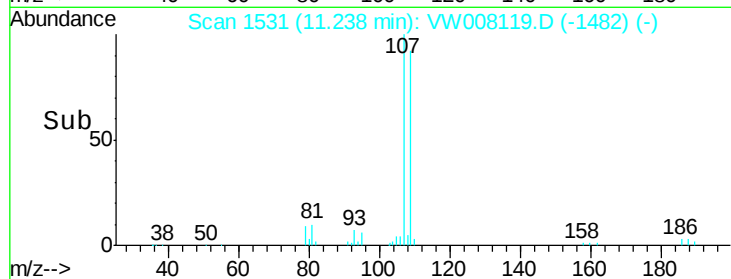
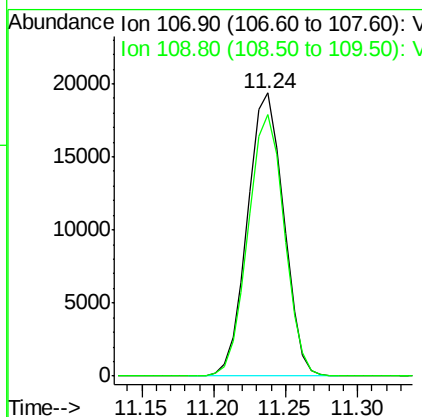
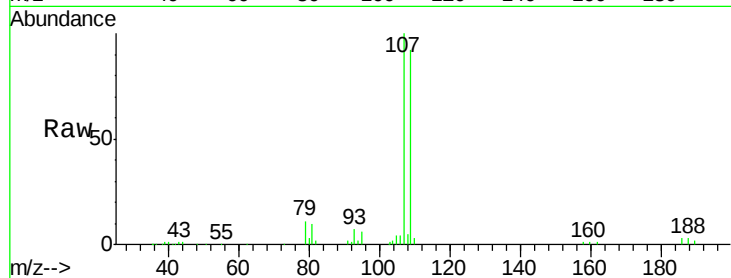
#61
 1,2-Dibromoethane
 Concen: 52.651 ug/l
 RT: 11.24 min Scan# 1531
 Delta R.T. -0.00 min
 Lab File: VW008119.D
 Acq: 09 Jan 2019 23:40

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
107	100		
109	92.3	75.9	113.9

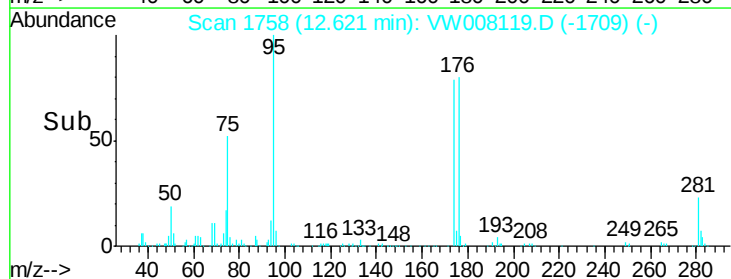
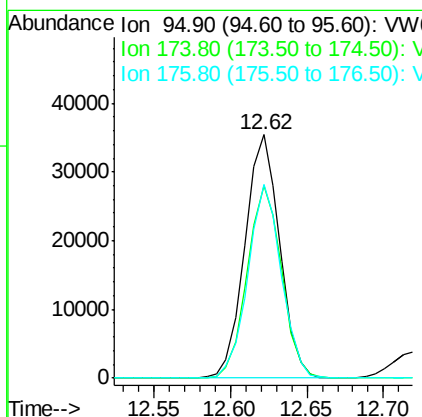
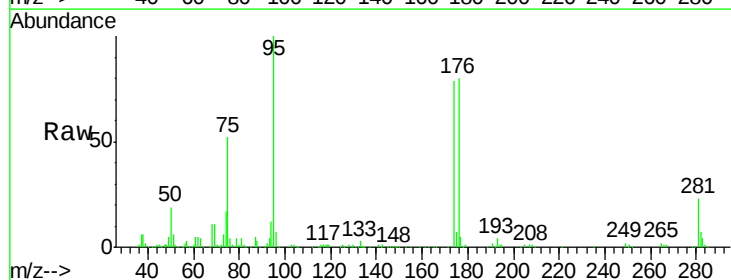
Manual Integrations
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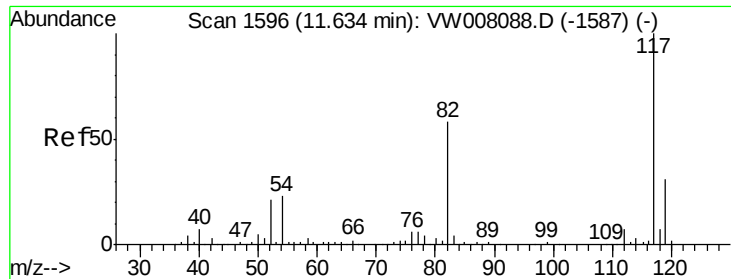
MMDadoda
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#62
 4-Bromofluorobenzene
 Concen: 45.096 ug/l
 RT: 12.62 min Scan# 1758
 Delta R.T. 0.00 min
 Lab File: VW008119.D
 Acq: 09 Jan 2019 23:40

Tgt Ion	Ratio	Lower	Upper
95	100		
174	78.4	0.0	143.0
176	76.6	0.0	140.2





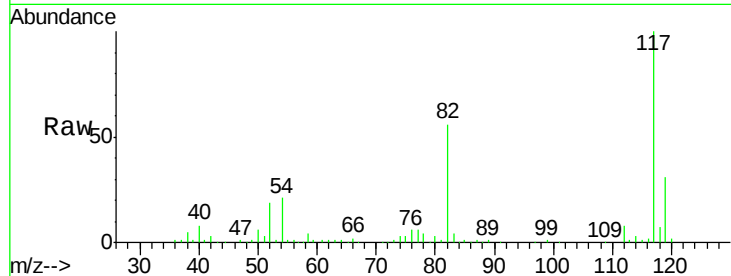
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1596
Delta R.T. 0.00 min
Lab File: VW008119.D
Acq: 09 Jan 2019 23:40

Instrument :
MSVOA_W
ClientSampled :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
117	100		
82	55.7	46.4	69.6
119	31.4	24.7	37.1

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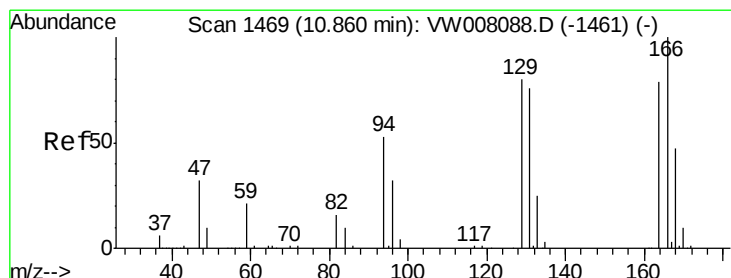
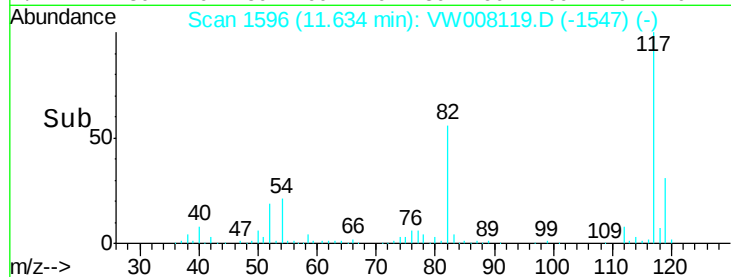
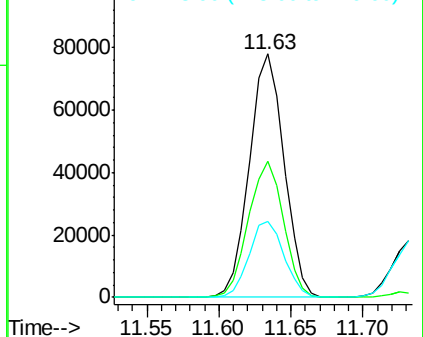


Abundance

Ion 116.90 (116.60 to 117.60): V

Ion 82.00 (81.70 to 82.70): V

Ion 118.90 (118.60 to 119.60): V



#64
Tetrachloroethene
Concen: 47.483 ug/l
RT: 10.86 min Scan# 1469
Delta R.T. 0.00 min
Lab File: VW008119.D
Acq: 09 Jan 2019 23:40

Tgt Ion	Ratio	Lower	Upper
164	100		
166	123.2	100.7	151.1
129	94.4	81.0	121.4
131	86.7	76.1	114.1

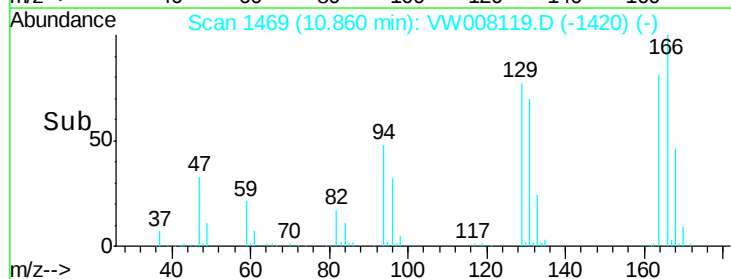
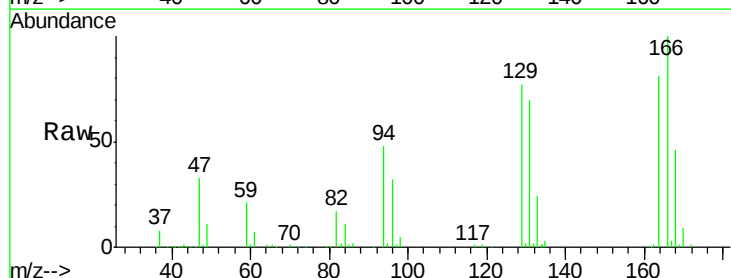
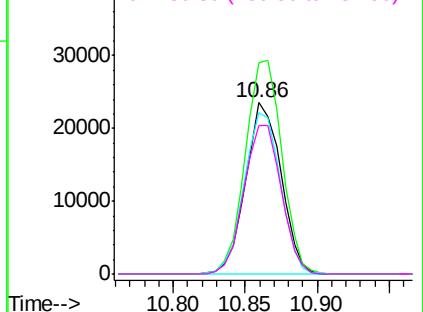
Abundance

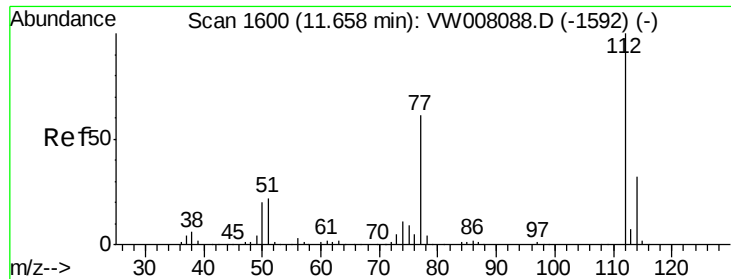
Ion 163.80 (163.50 to 164.50): V

Ion 165.80 (165.50 to 166.50): V

Ion 128.80 (128.50 to 129.50): V

Ion 130.80 (130.50 to 131.50): V





#65

Chlorobenzene

Concen: 46.817 ug/l

RT: 11.66 min Scan# 1600

Delta R.T. 0.00 min

Lab File: VW008119.D

Acq: 09 Jan 2019 23:40

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

Tot Ion:112 Resp: 128834

Ion Ratio Lower Upper

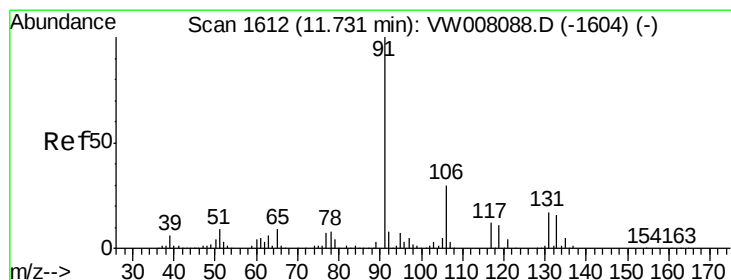
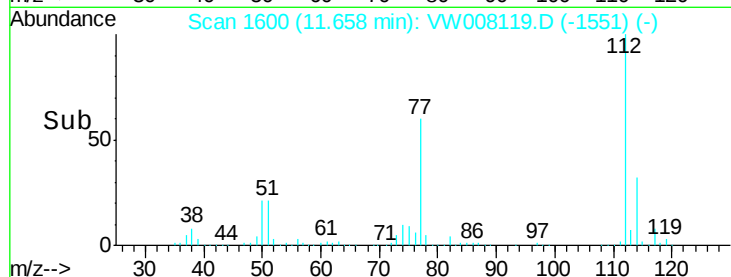
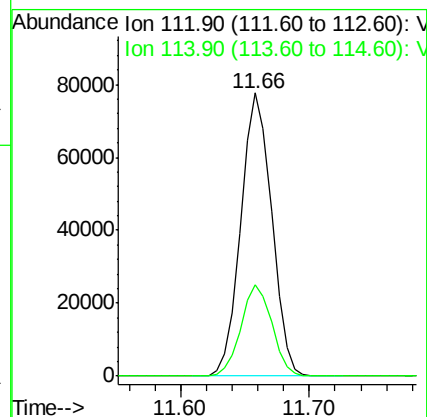
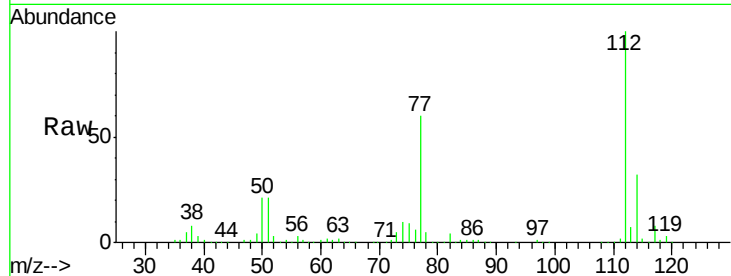
112 100

114 32.4 25.6 38.4

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#66

1,1,1,2-Tetrachloroethane

Concen: 48.902 ug/l

RT: 11.73 min Scan# 1612

Delta R.T. 0.00 min

Lab File: VW008119.D

Acq: 09 Jan 2019 23:40

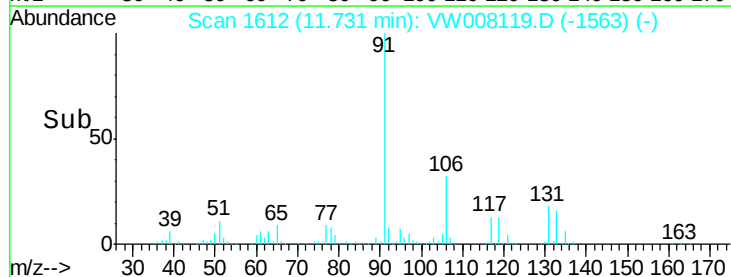
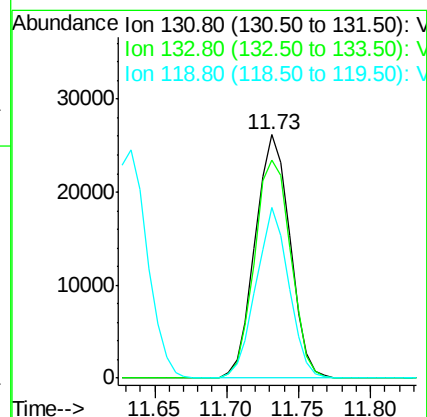
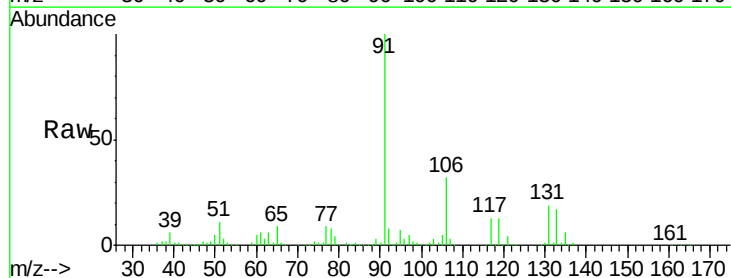
Tgt Ion:131 Resp: 43770

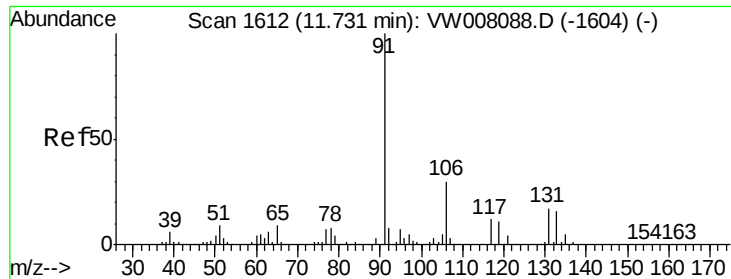
Ion Ratio Lower Upper

131 100

133 92.8 47.9 143.7

119 66.1 32.5 97.4





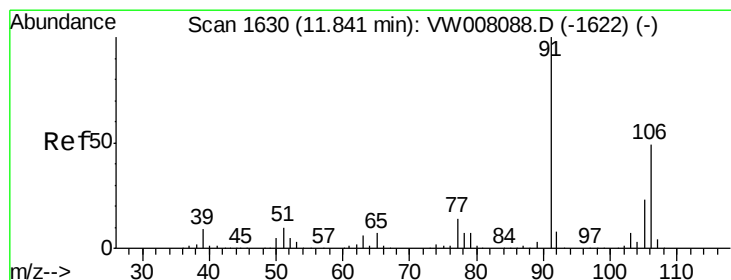
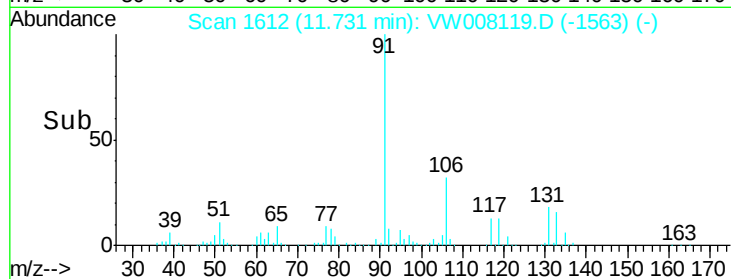
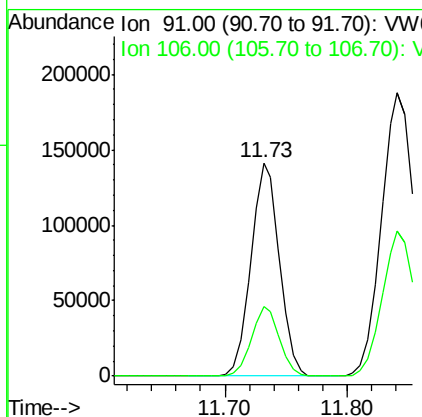
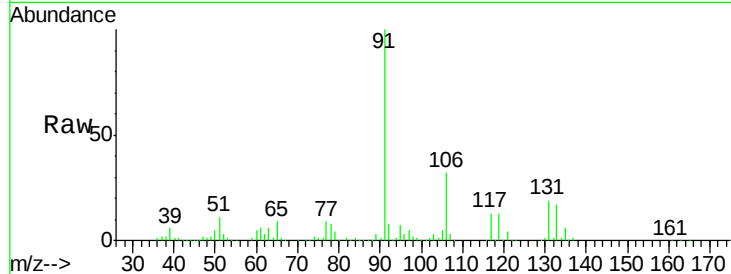
#67
Ethyl Benzene
Concen: 45.300 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. 0.00 min
Lab File: VW008119.D
Acq: 09 Jan 2019 23:40

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion: 91 Resp: 228094
Ion Ratio Lower Upper
91 100
106 32.5 24.2 36.4

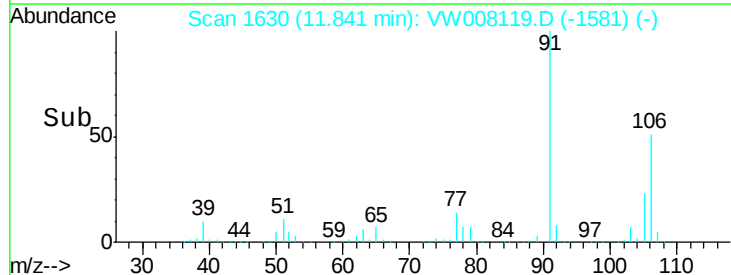
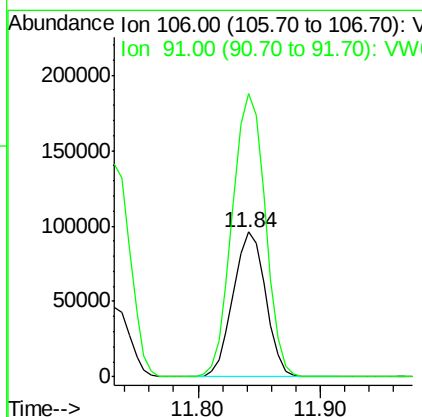
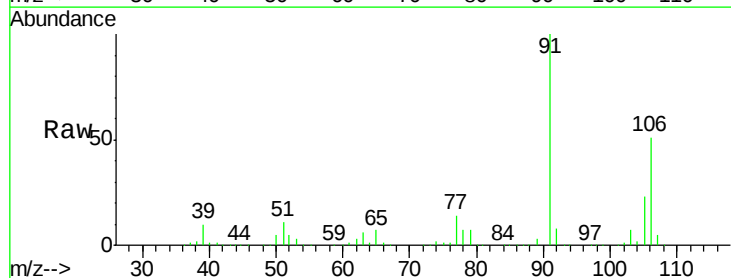
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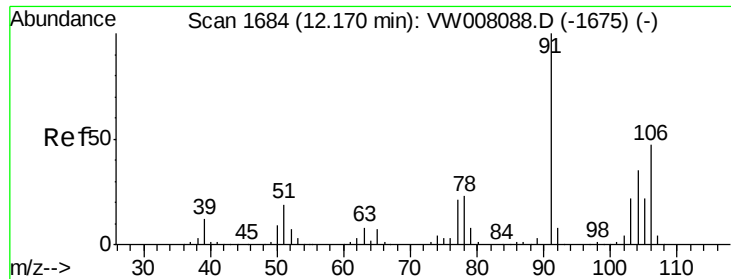
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#68
m/p-Xylenes
Concen: 91.872 ug/l
RT: 11.84 min Scan# 1630
Delta R.T. -0.00 min
Lab File: VW008119.D
Acq: 09 Jan 2019 23:40

Tgt Ion: 106 Resp: 176567
Ion Ratio Lower Upper
106 100
91 198.7 162.4 243.6





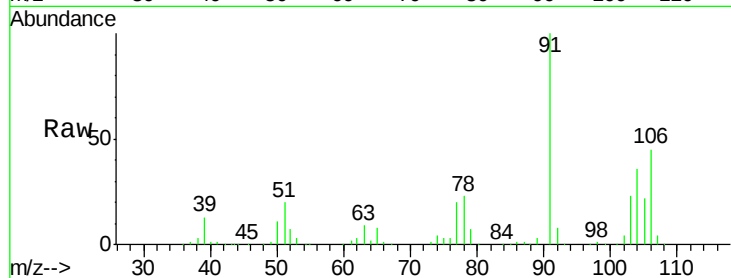
#69
o-Xylene
Concen: 46.392 ug/l
RT: 12.17 min Scan# 1684
Delta R.T. 0.00 min
Lab File: VW008119.D
Acq: 09 Jan 2019 23:40

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

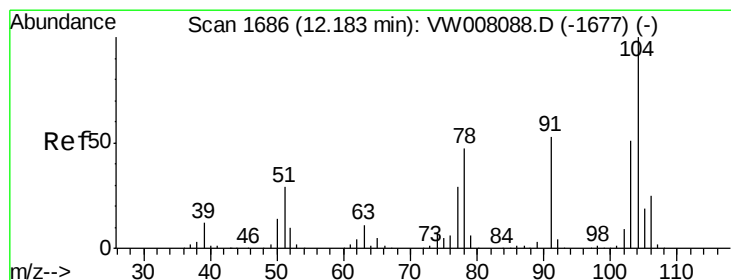
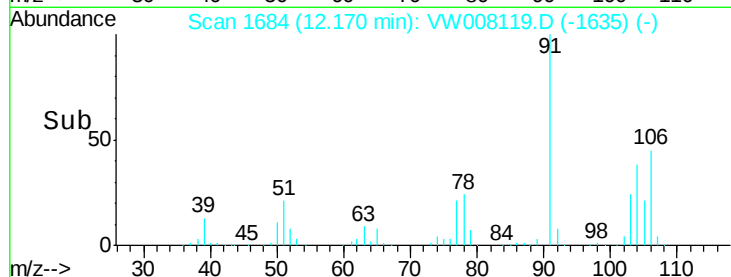
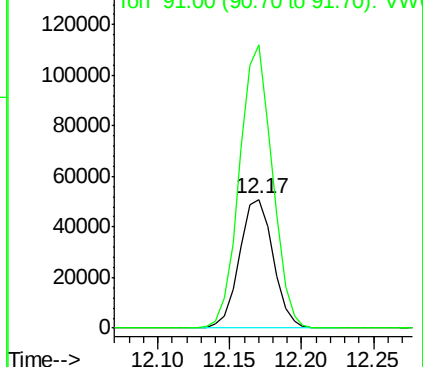
Tot Ion:106 Resp: 82566
Ion Ratio Lower Upper
106 100
91 214.3 107.8 323.6

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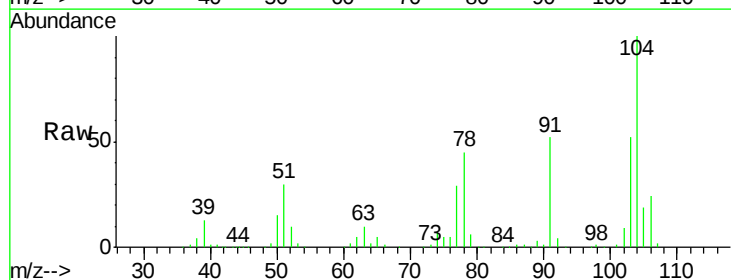


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): V

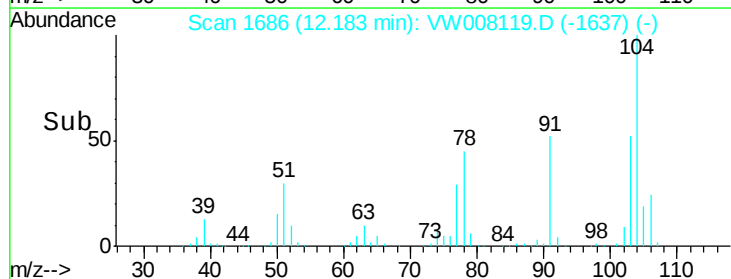
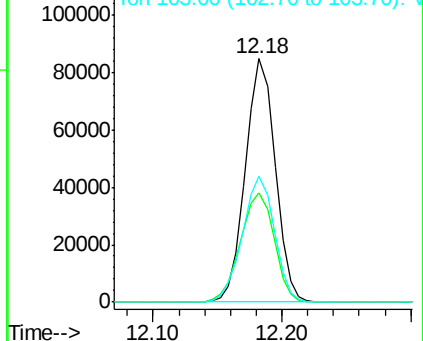


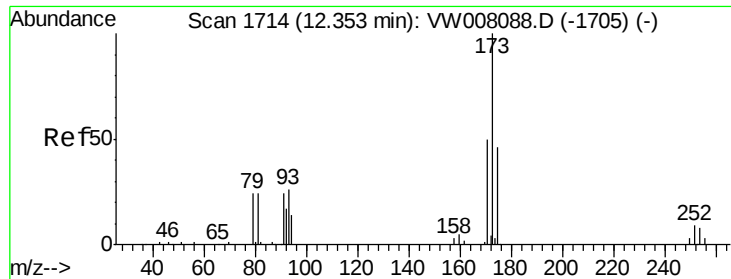
#70
Styrene
Concen: 48.813 ug/l
RT: 12.18 min Scan# 1686
Delta R.T. 0.00 min
Lab File: VW008119.D
Acq: 09 Jan 2019 23:40

Tgt Ion:104 Resp: 136072
Ion Ratio Lower Upper
104 100
78 50.8 41.8 62.8
103 55.6 43.8 65.8



Abundance Ion 104.00 (103.70 to 104.70): V
Ion 78.00 (77.70 to 78.70): V
Ion 103.00 (102.70 to 103.70): V





#71

Bromoform

Concen: 55.217 ug/l

RT: 12.35 min Scan# 1714

Delta R.T. 0.00 min

Lab File: VW008119.D

Acq: 09 Jan 2019 23:40

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

Tot Ion:173 Resp: 22119

Ion Ratio Lower Upper

173 100

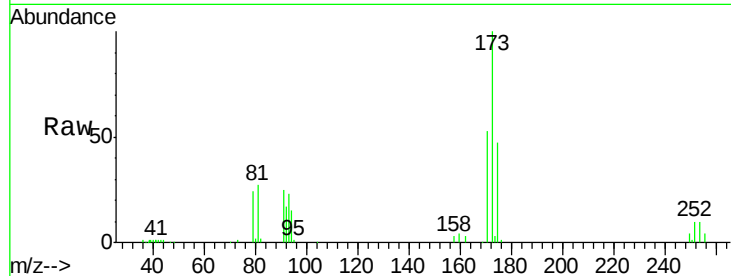
175 47.9 23.3 69.8

254 0.0 0.0 0.0

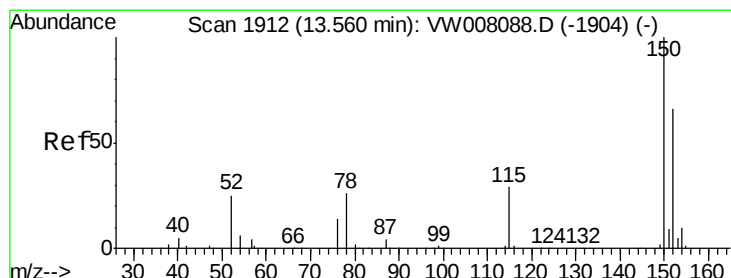
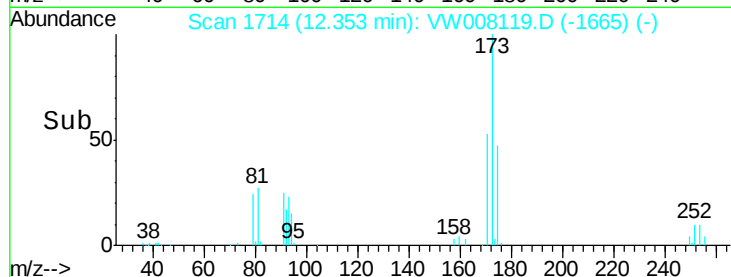
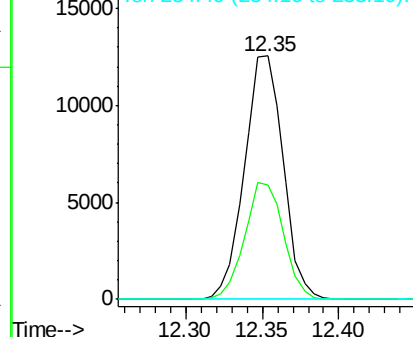
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Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.56 min Scan# 1912

Delta R.T. 0.00 min

Lab File: VW008119.D

Acq: 09 Jan 2019 23:40

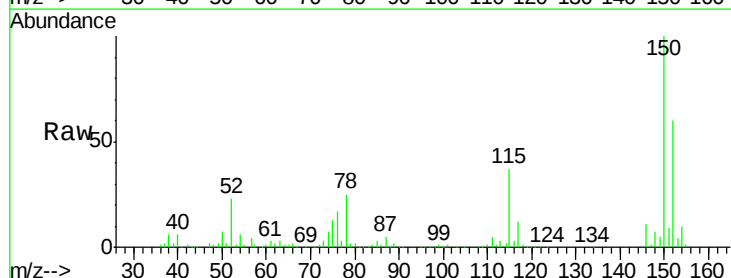
Tgt Ion:152 Resp: 61928

Ion Ratio Lower Upper

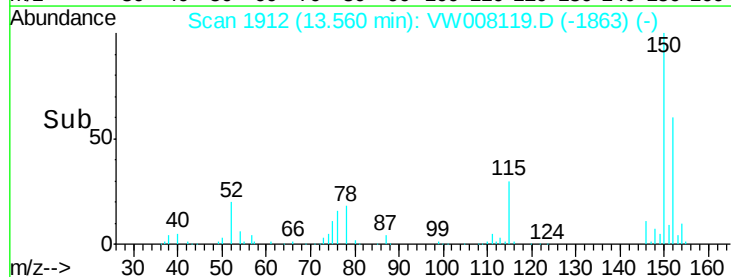
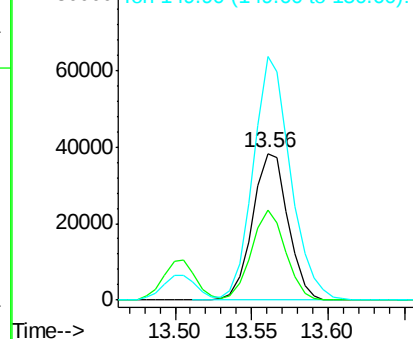
152 100

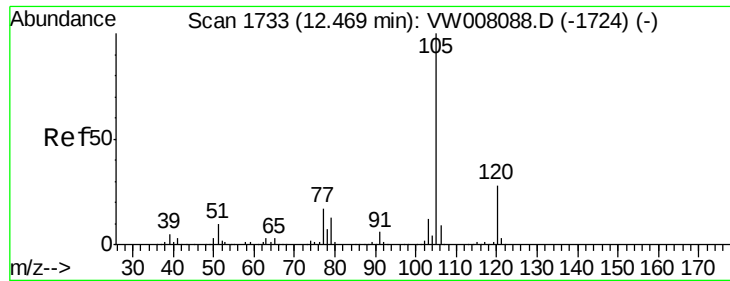
115 58.6 30.8 92.4

150 173.9 0.0 350.2



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: 45.283 ug/l

RT: 12.47 min Scan# 1733

Delta R.T. 0.00 min

Lab File: VW008119.D

Acq: 09 Jan 2019 23:40

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

Tot Ion: 105 Resp: 220164

Ion Ratio Lower Upper

105 100

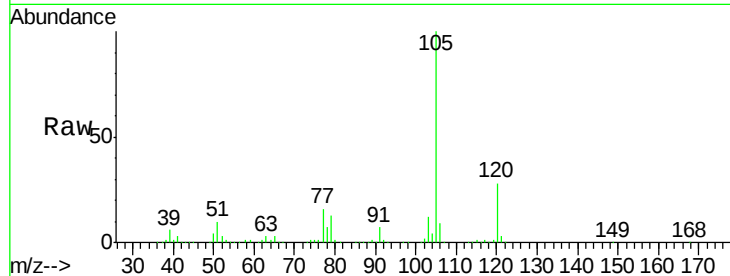
120 27.3 13.6 40.8

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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

12.47

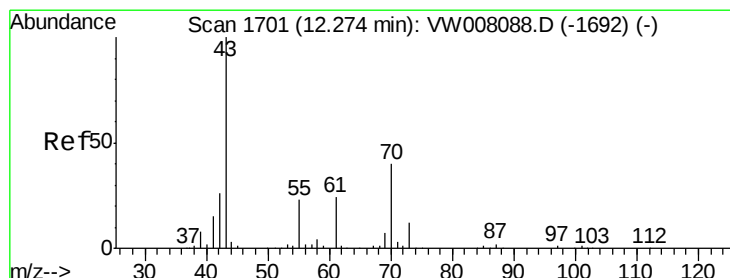
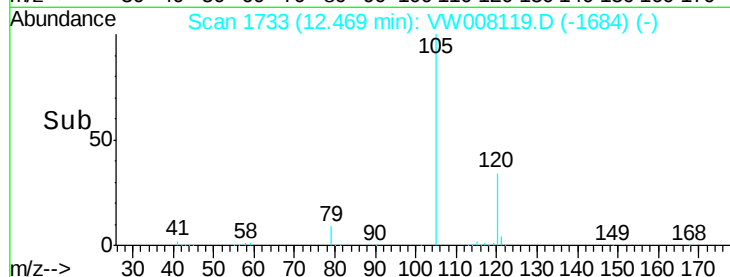
150000

100000

50000

0

Time-->



#74

N-ethyl acetate

Concen: 54.200 ug/l

RT: 12.27 min Scan# 1701

Delta R.T. 0.00 min

Lab File: VW008119.D

Acq: 09 Jan 2019 23:40

Tgt Ion: 43 Resp: 58357

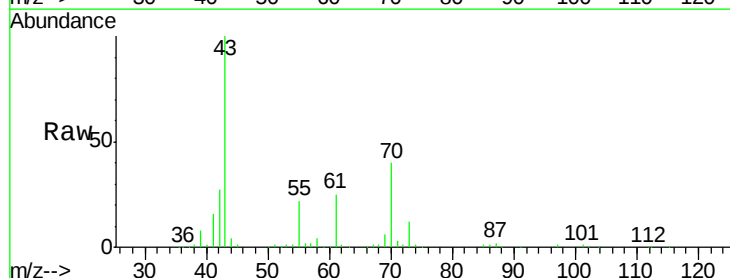
Ion Ratio Lower Upper

43 100

70 40.0 32.4 48.6

55 22.7 18.7 28.1

61 24.0 19.0 28.6



Abundance Ion 43.00 (42.70 to 43.70): VV

Ion 70.00 (69.70 to 70.70): VV

Ion 55.00 (54.70 to 55.70): VV

Ion 61.00 (60.70 to 61.70): VV

60000

50000

40000

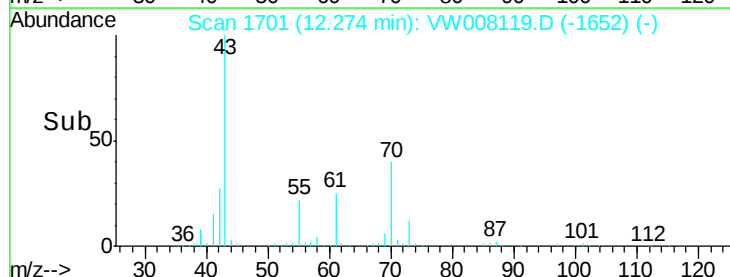
30000

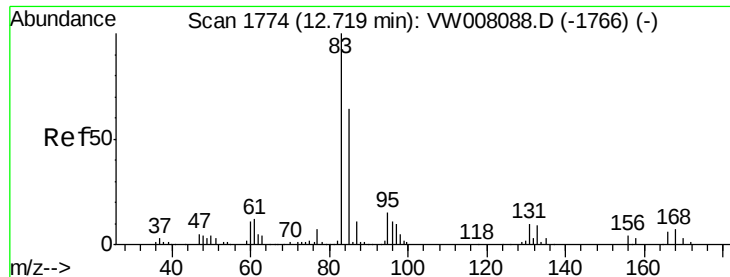
20000

10000

0

Time-->





#75

1,1,2,2-Tetrachloroethane

Concen: 52.332 ug/l

RT: 12.72 min Scan# 1774

Delta R.T. 0.00 min

Lab File: VW008119.D

Acq: 09 Jan 2019 23:40

Instrument :

MSVOA_W

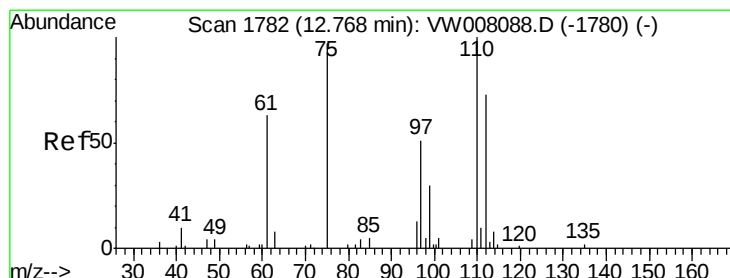
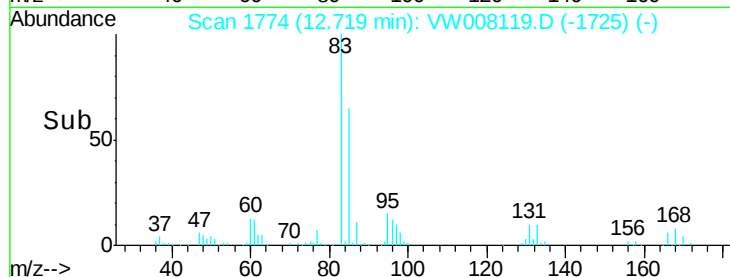
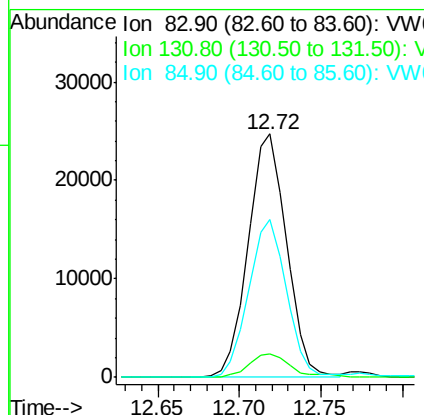
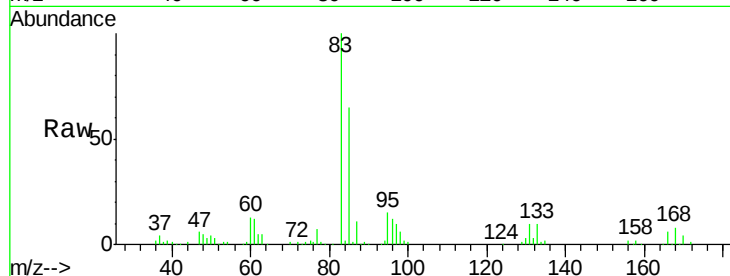
ClientSampleId :

VSTDCCC050

Tot Ion:	83	Resp:	40726
Ion Ratio	Lower	Upper	
83	100		
131	10.4	5.3	16.1
85	64.0	32.4	97.2

Manual Integrations
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#76

1,2,3-Trichloropropane

Concen: 53.645 ug/l m

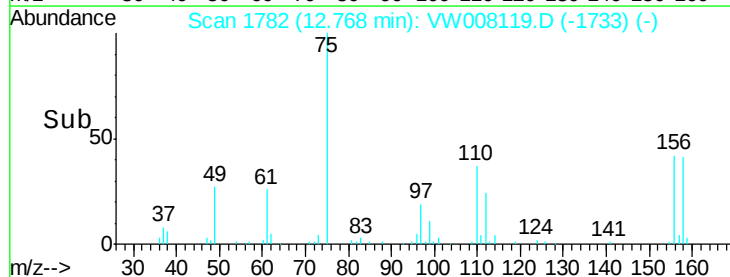
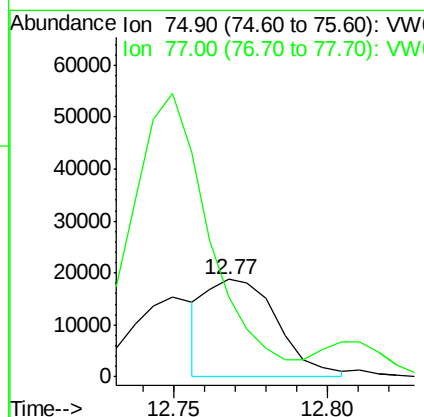
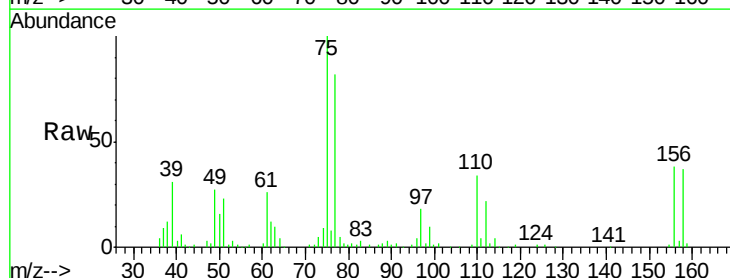
RT: 12.77 min Scan# 1782

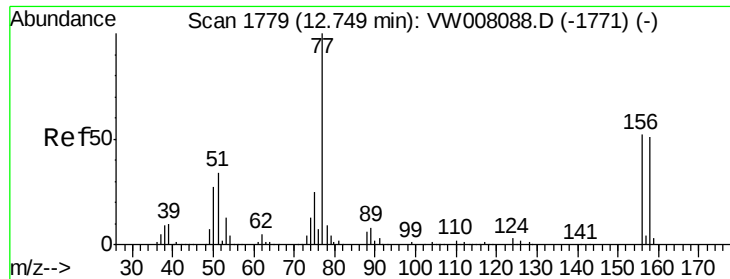
Delta R.T. 0.00 min

Lab File: VW008119.D

Acq: 09 Jan 2019 23:40

Tgt Ion:	75	Resp:	30285
Ion Ratio	Lower	Upper	
75	100		
77	326.0	179.4	538.2





#77

Bromobenzene

Concen: 49.259 ug/l

RT: 12.75 min Scan# 1779

Delta R.T. 0.00 min

Lab File: VW008119.D

Acq: 09 Jan 2019 23:40

Instrument :

MSVOA_W

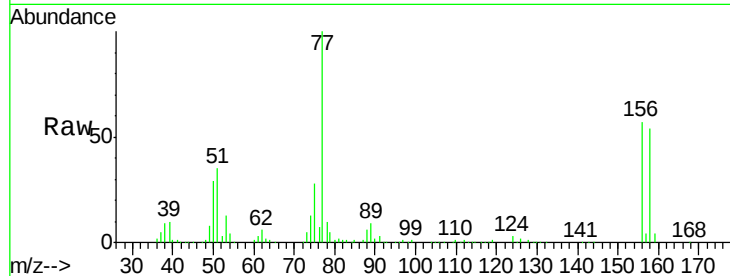
ClientSampleId :

VSTDCCC050

Tot Ion	156	Resp	50605
Ion Ratio	Lower	Upper	
156	100		
77	195.1	104.2	312.5
158	95.8	47.9	143.6

Manual Integrations
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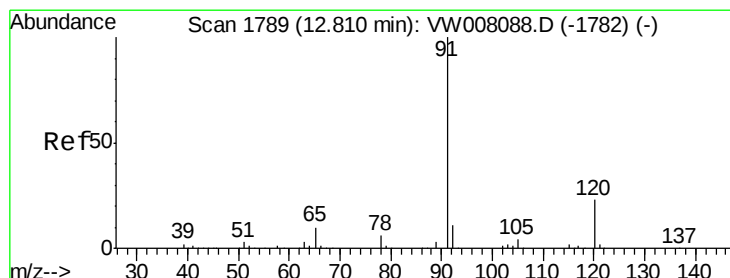
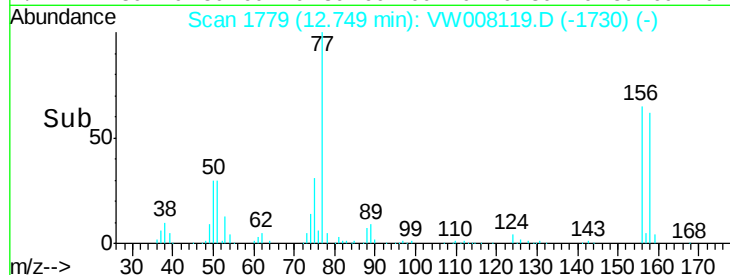
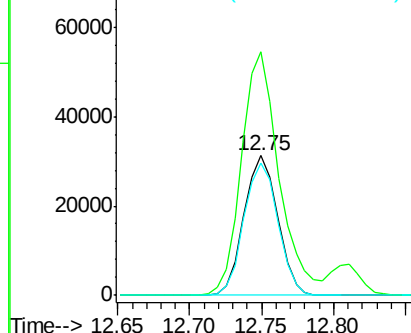
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Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VW

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 45.092 ug/l

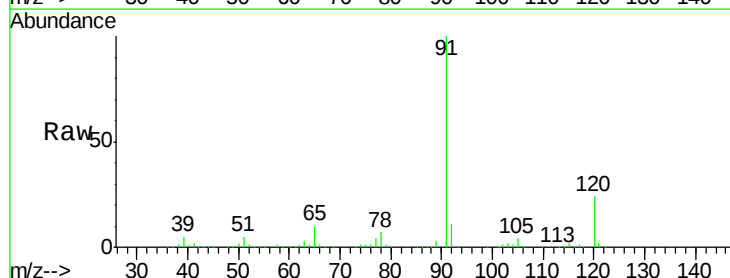
RT: 12.81 min Scan# 1789

Delta R.T. 0.00 min

Lab File: VW008119.D

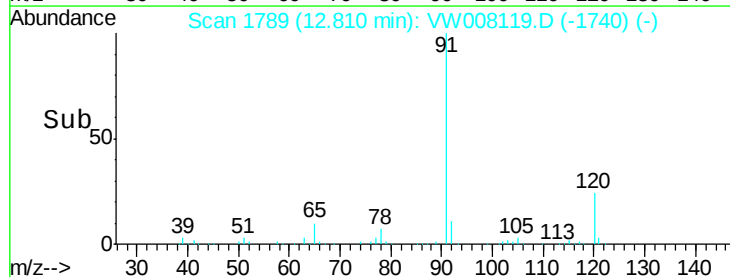
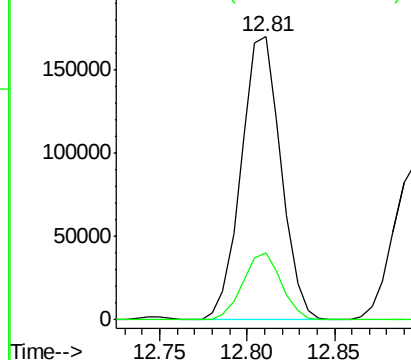
Acq: 09 Jan 2019 23:40

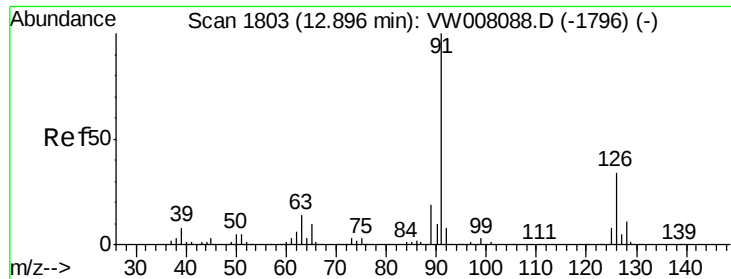
Tgt Ion	91	Resp	268622
Ion Ratio	Lower	Upper	
91	100		
120	22.9	11.3	33.8



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 45.191 ug/l

RT: 12.90 min Scan# 1803

Delta R.T. 0.00 min

Lab File: VW008119.D

Acq: 09 Jan 2019 23:40

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

Tot Ion: 91 Resp: 150196

Ion Ratio Lower Upper

91 100

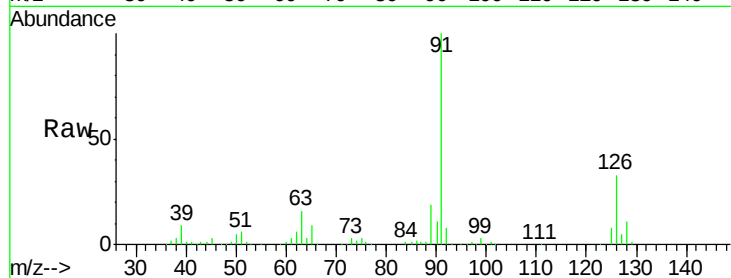
126 34.0 16.8 50.3

Manual Integrations

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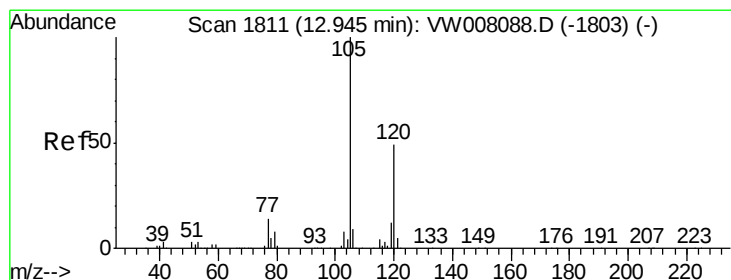
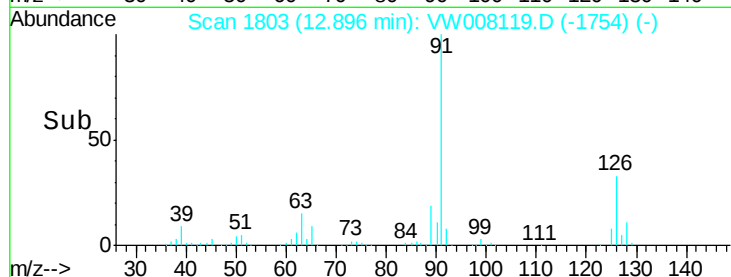
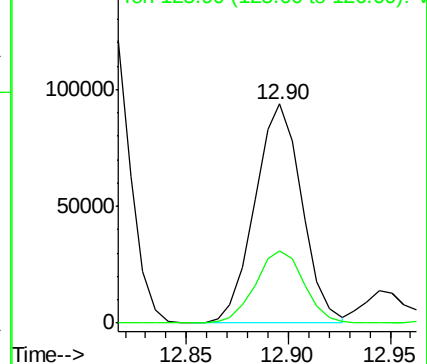
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Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 125.90 (125.60 to 126.60): V



#80

1,3,5-Trimethylbenzene

Concen: 46.222 ug/l

RT: 12.94 min Scan# 1811

Delta R.T. 0.00 min

Lab File: VW008119.D

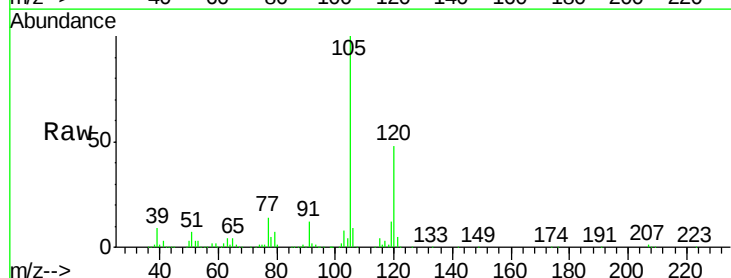
Acq: 09 Jan 2019 23:40

Tgt Ion:105 Resp: 184674

Ion Ratio Lower Upper

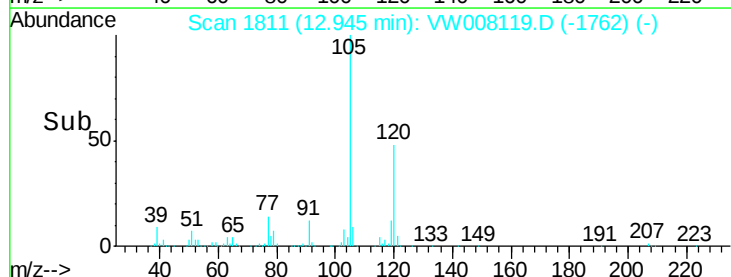
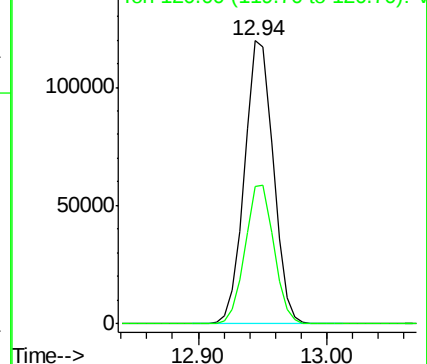
105 100

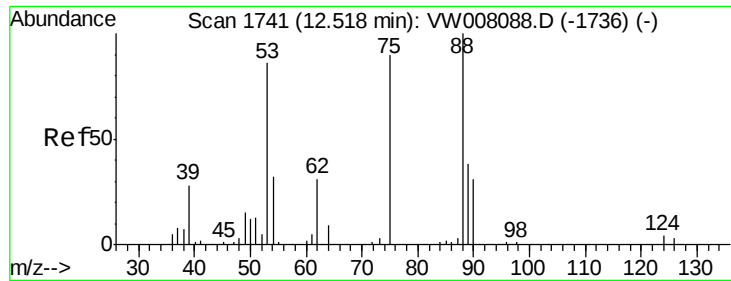
120 49.0 24.7 74.1



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





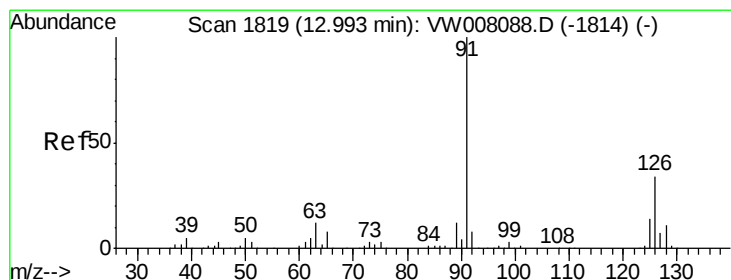
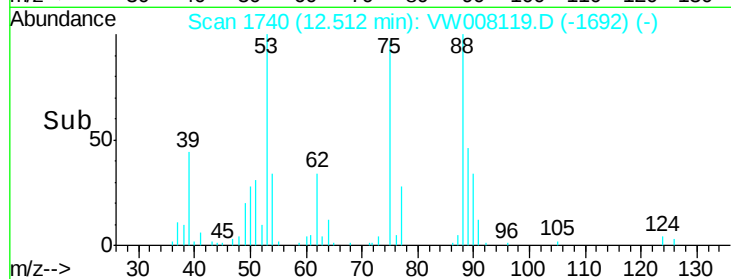
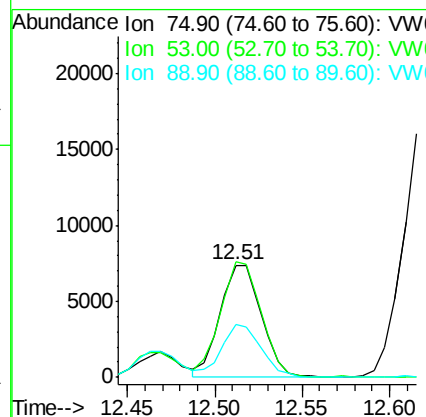
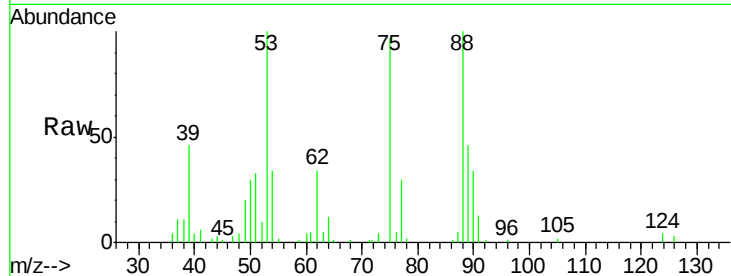
#81
trans-1,4-Dichloro-2-butene
Concen: 50.262 ug/l
RT: 12.51 min Scan# 1740
Delta R.T. -0.01 min
Lab File: VW008119.D
Acq: 09 Jan 2019 23:40

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
75	100		
53	101.5	78.8	118.2
89	45.4	35.4	53.2

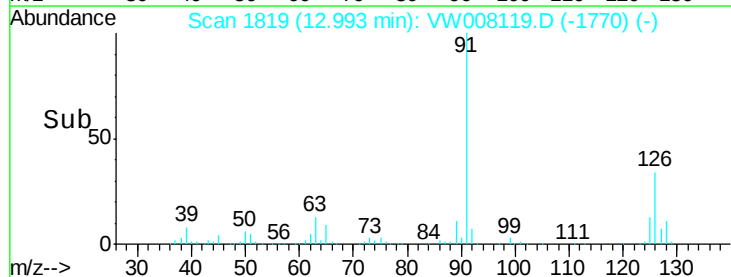
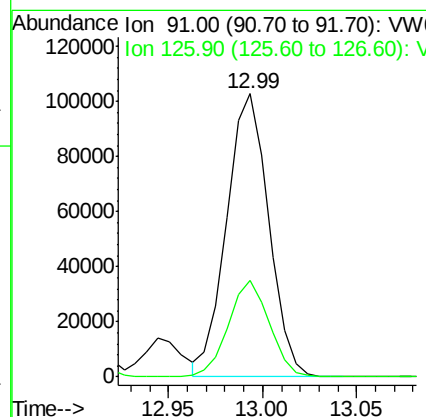
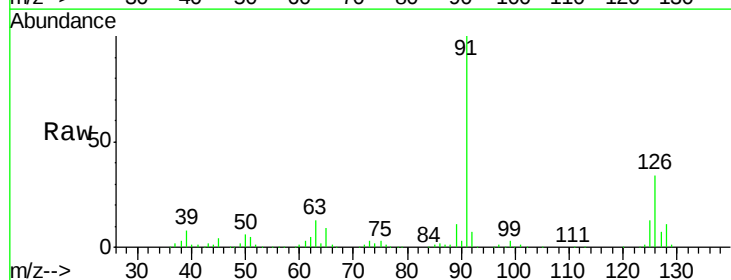
Manual Integrations
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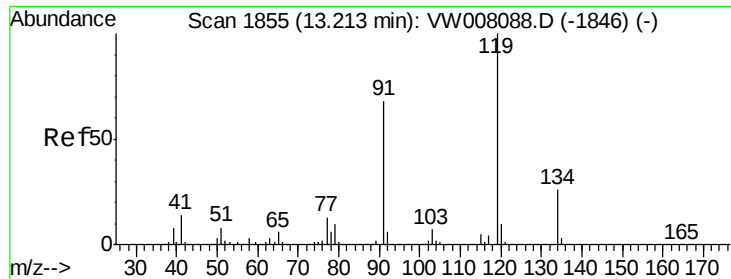
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#82
4-Chlorotoluene
Concen: 45.512 ug/l
RT: 12.99 min Scan# 1819
Delta R.T. 0.00 min
Lab File: VW008119.D
Acq: 09 Jan 2019 23:40

Tgt Ion	Ratio	Lower	Upper
91	100		
126	33.2	16.5	49.5





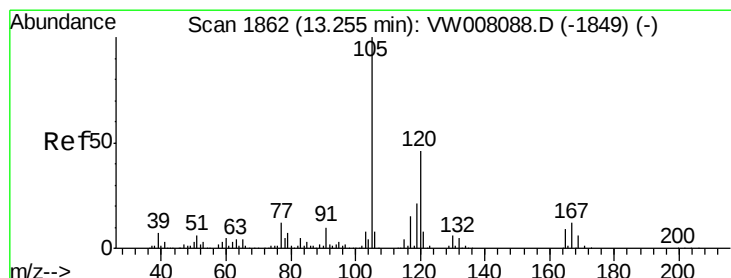
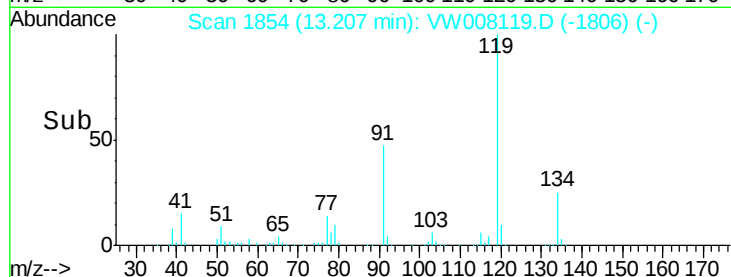
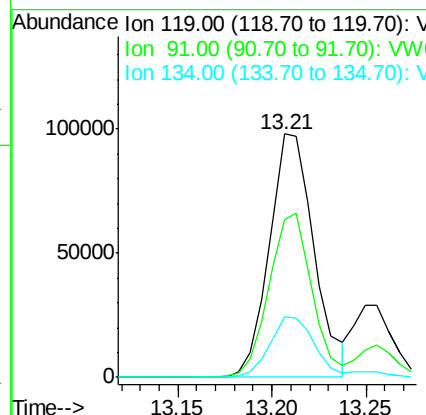
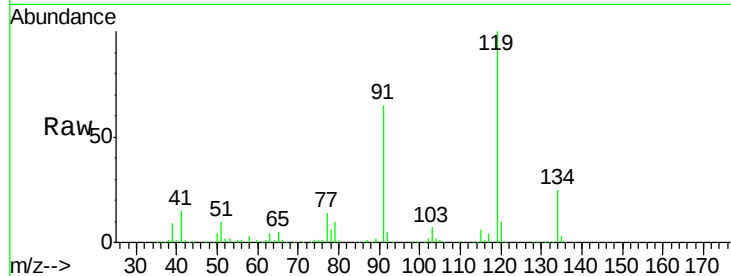
#83
tert-Butylbenzene
Concen: 45.690 ug/l
RT: 13.21 min Scan# 1854
Delta R.T. -0.01 min
Lab File: VW008119.D
Acq: 09 Jan 2019 23:40

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
119	100		
91	64.5	33.9	101.6
134	25.2	13.6	40.8

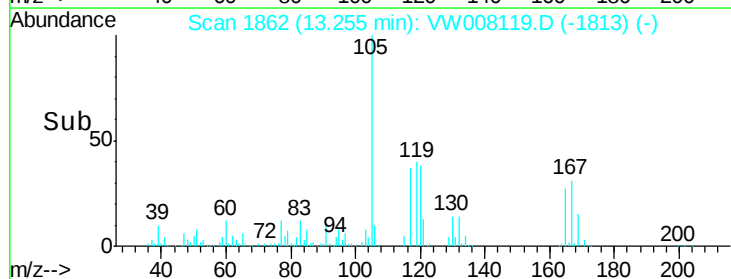
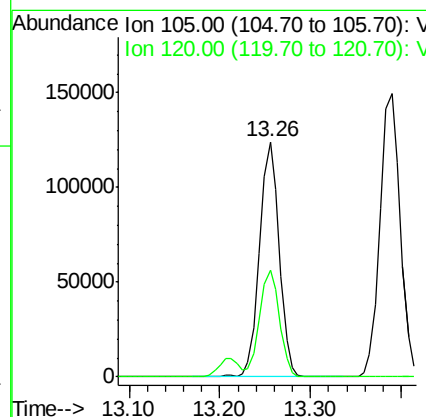
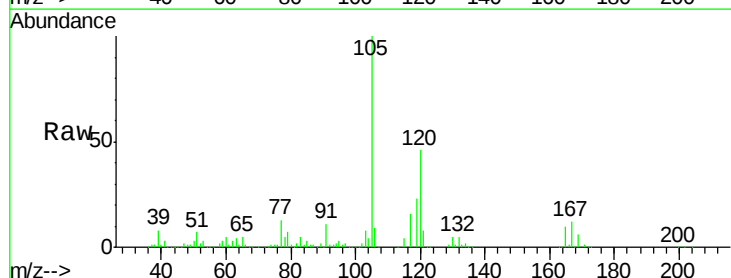
Manual Integrations
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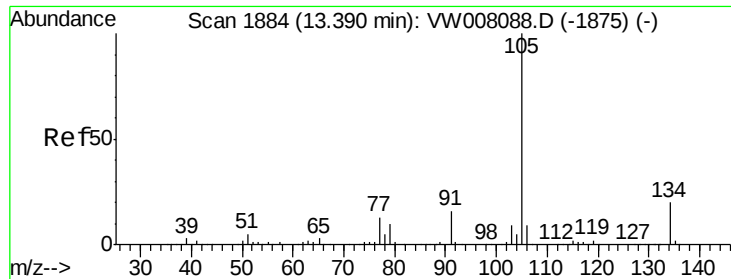
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#84
1,2,4-Trimethylbenzene
Concen: 45.507 ug/l
RT: 13.26 min Scan# 1862
Delta R.T. 0.00 min
Lab File: VW008119.D
Acq: 09 Jan 2019 23:40

Tgt Ion	Ratio	Lower	Upper
105	100		
120	46.2	22.7	68.1





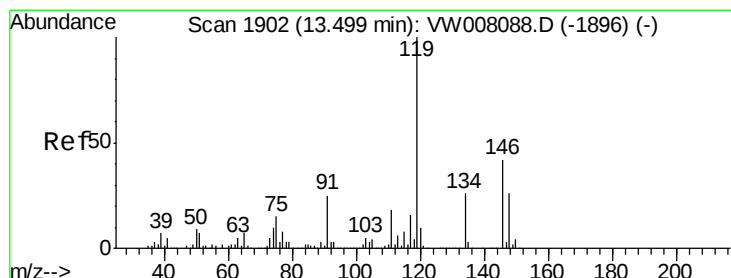
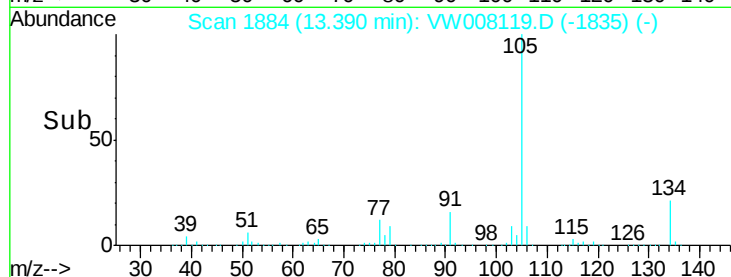
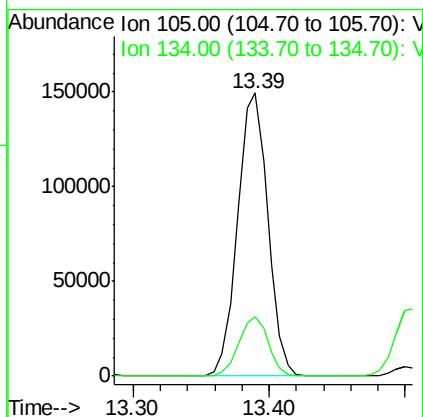
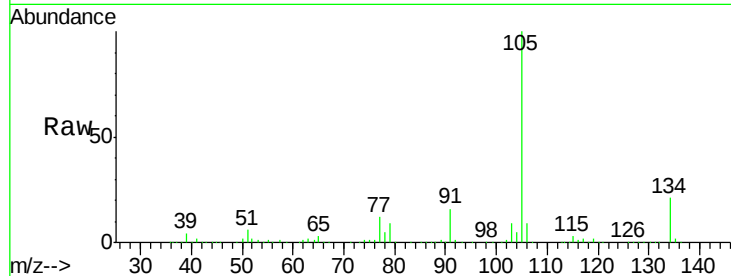
#85
 sec-Butylbenzene
 Concen: 44.656 ug/l
 RT: 13.39 min Scan# 1884
 Delta R.T. 0.00 min
 Lab File: VW008119.D
 Acq: 09 Jan 2019 23:40

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
105	100		
134	20.7	10.1	30.1

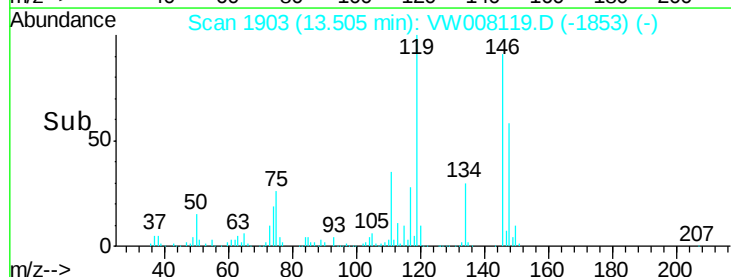
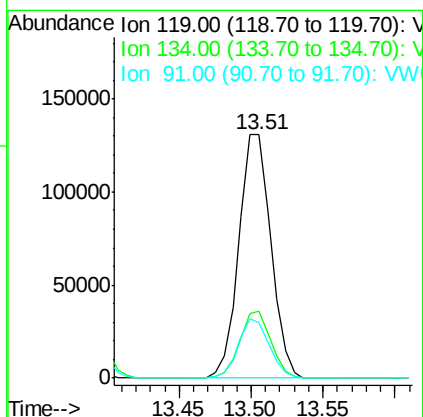
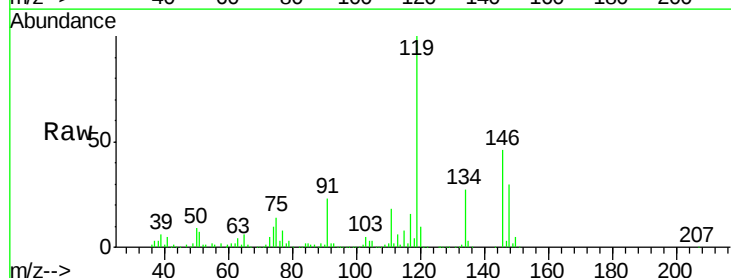
Manual Integrations
 APPROVED

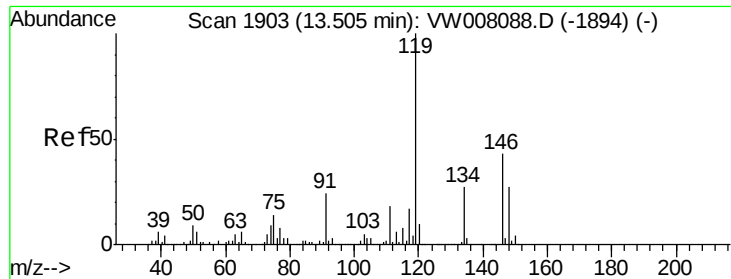
MMDadoda
 1/10/2019 5:06:04 PM



#86
 p-Isopropyltoluene
 Concen: 45.054 ug/l
 RT: 13.51 min Scan# 1903
 Delta R.T. 0.01 min
 Lab File: VW008119.D
 Acq: 09 Jan 2019 23:40

Tgt Ion	Ratio	Lower	Upper
119	100		
134	26.7	13.3	39.8
91	23.8	12.3	36.9





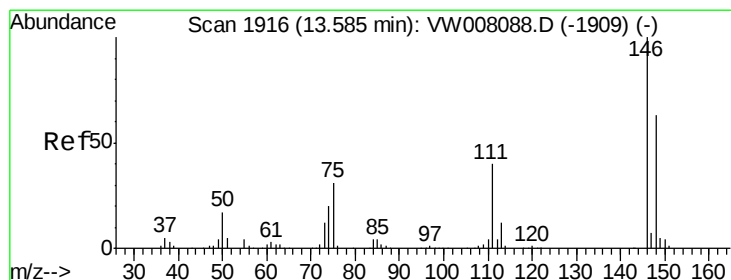
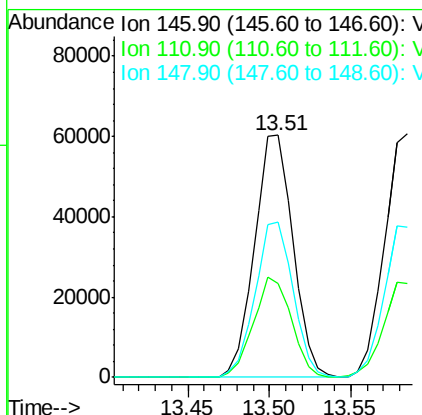
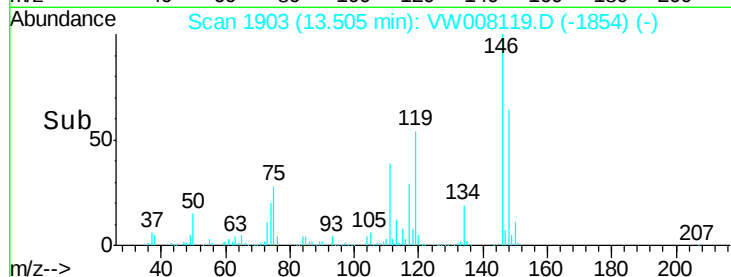
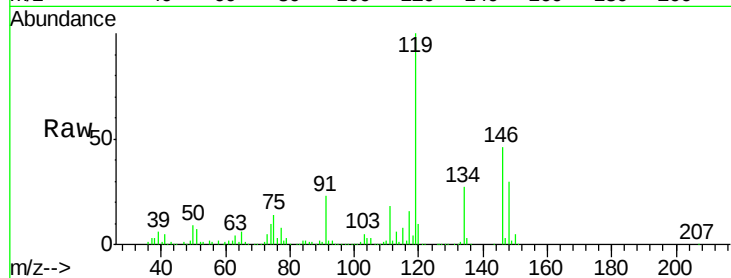
#87
 1,3-Dichlorobenzene
 Concen: 47.439 ug/l
 RT: 13.51 min Scan# 1903
 Delta R.T. 0.00 min
 Lab File: VW008119.D
 Acq: 09 Jan 2019 23:40

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
146	100		
111	40.9	21.1	63.1
148	63.4	31.3	93.9

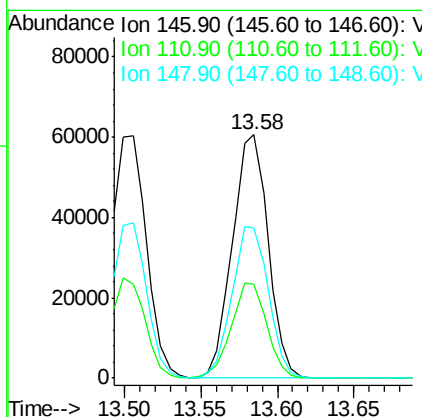
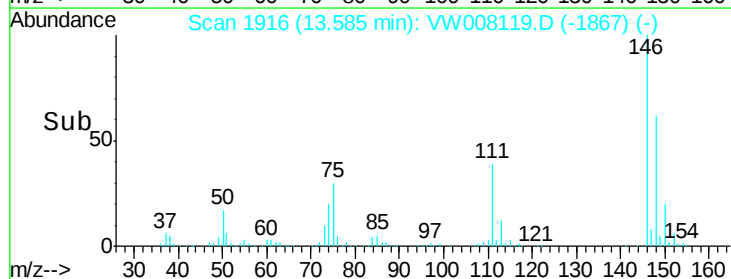
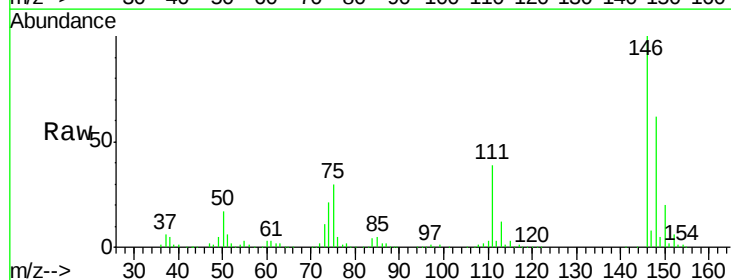
Manual Integrations
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#88
 1,4-Dichlorobenzene
 Concen: 46.925 ug/l
 RT: 13.58 min Scan# 1916
 Delta R.T. 0.00 min
 Lab File: VW008119.D
 Acq: 09 Jan 2019 23:40

Tgt Ion	Ratio	Lower	Upper
146	100		
111	39.2	20.5	61.5
148	63.4	31.6	94.8





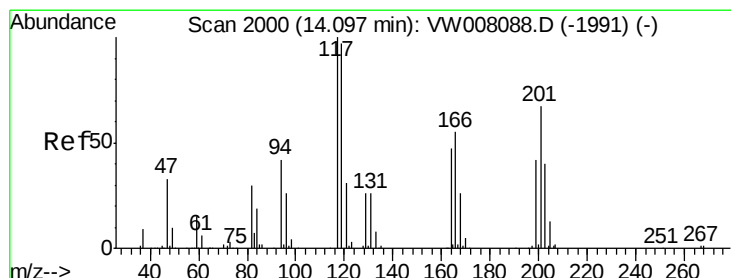
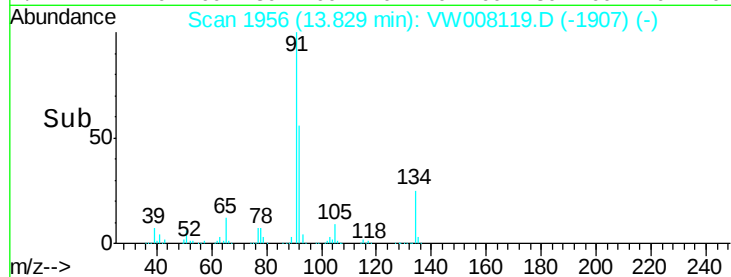
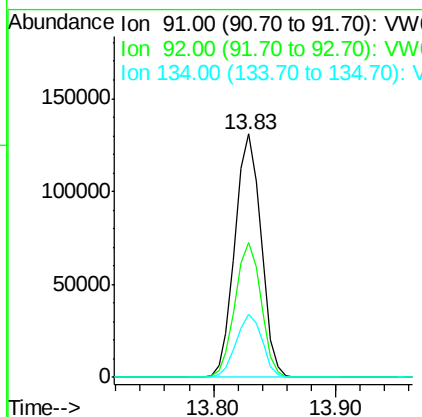
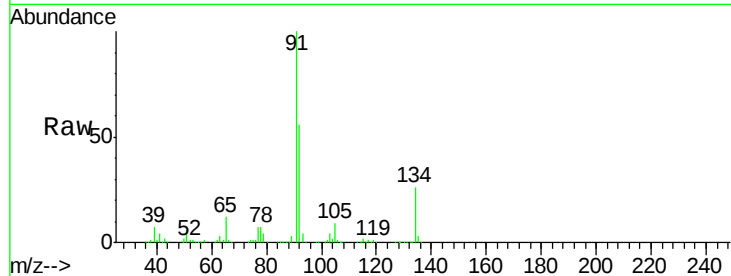
#89
n-Butylbenzene
Concen: 44.284 ug/l
RT: 13.83 min Scan# 1956
Delta R.T. 0.00 min
Lab File: VW008119.D
Acq: 09 Jan 2019 23:40

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
91	100		
92	54.8	27.4	82.2
134	25.7	12.6	37.8

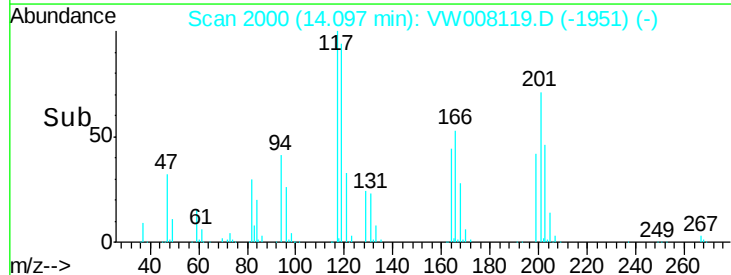
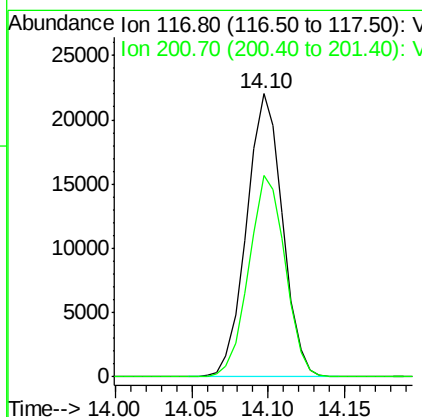
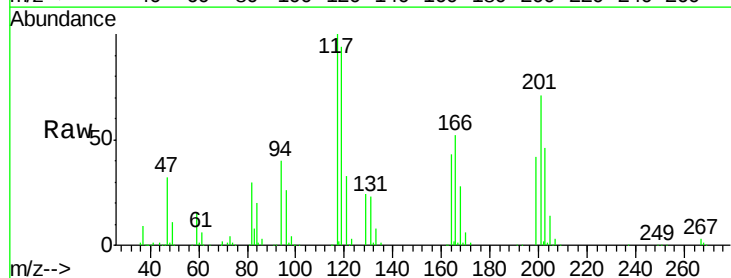
Manual Integrations
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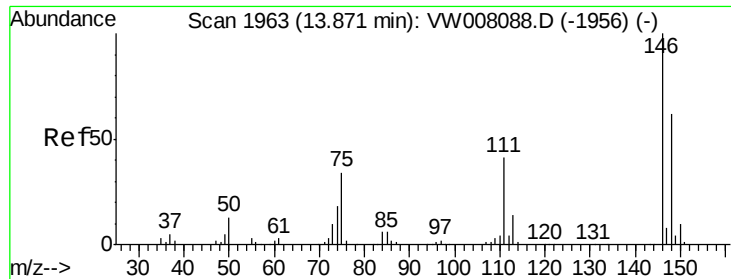
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#90
Hexachloroethane
Concen: 47.665 ug/l
RT: 14.10 min Scan# 2000
Delta R.T. 0.00 min
Lab File: VW008119.D
Acq: 09 Jan 2019 23:40

Tgt Ion	Ratio	Lower	Upper
117	100		
201	71.8	33.0	98.9





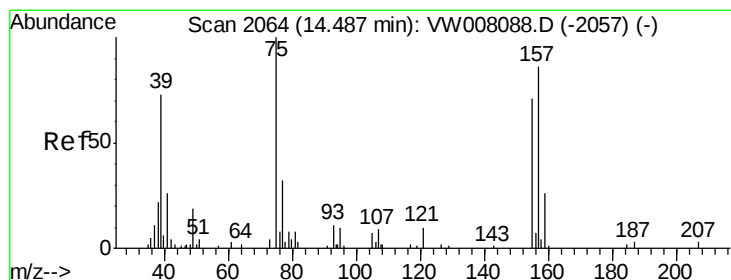
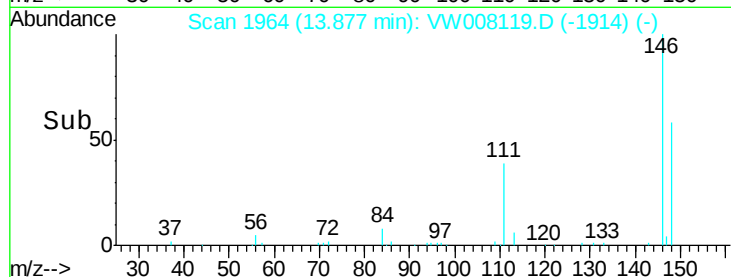
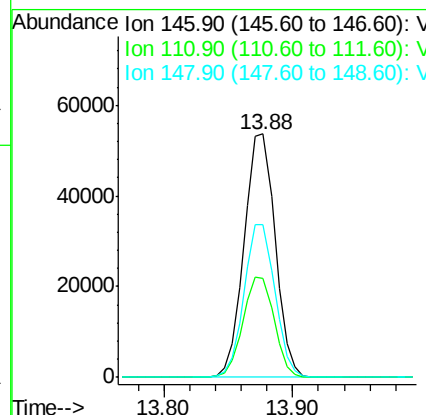
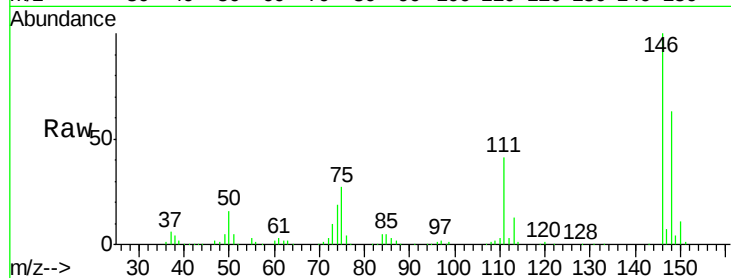
#91
 1,2-Dichlorobenzene
 Concen: 48.843 ug/l
 RT: 13.88 min Scan# 1964
 Delta R.T. 0.01 min
 Lab File: VW008119.D
 Acq: 09 Jan 2019 23:40

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
146	100		
111	41.3	21.3	63.7
148	62.5	31.5	94.5

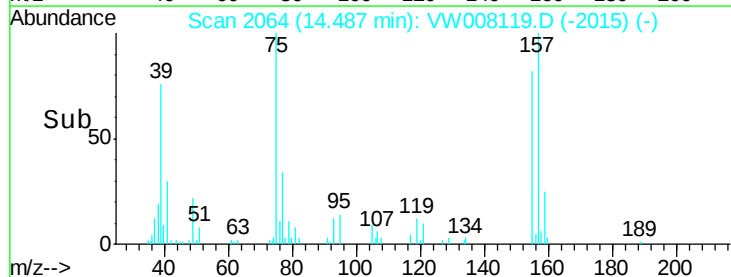
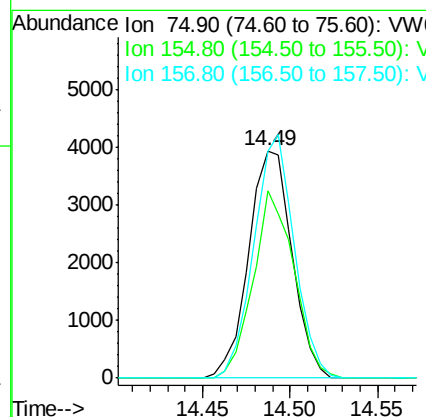
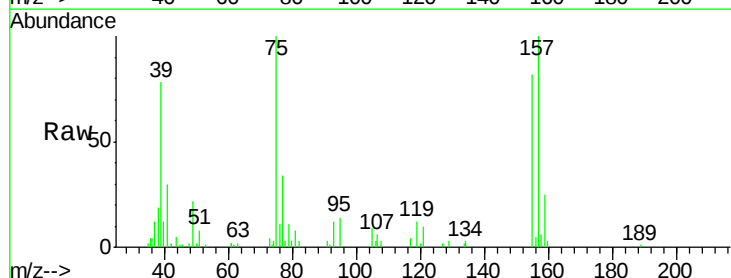
Manual Integrations
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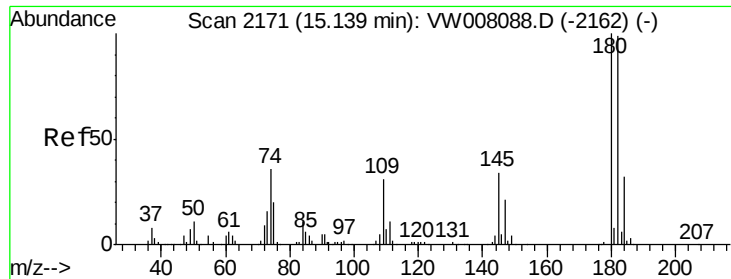
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 1/10/2019 5:06:04 PM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 54.080 ug/l
 RT: 14.49 min Scan# 2064
 Delta R.T. -0.00 min
 Lab File: VW008119.D
 Acq: 09 Jan 2019 23:40

Tgt Ion	Ratio	Lower	Upper
75	100		
155	77.5	38.6	115.7
157	99.9	47.5	142.6





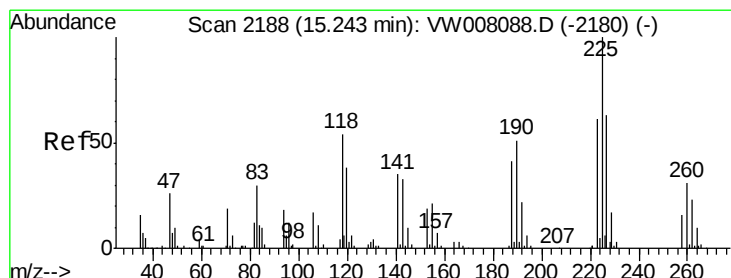
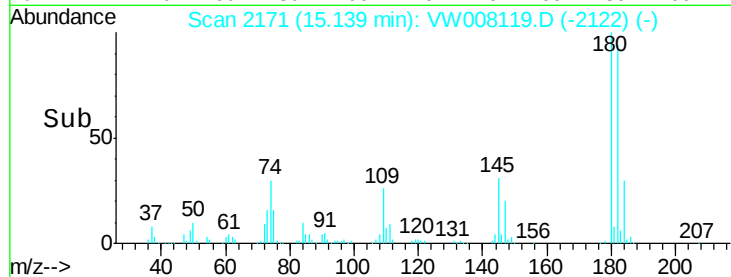
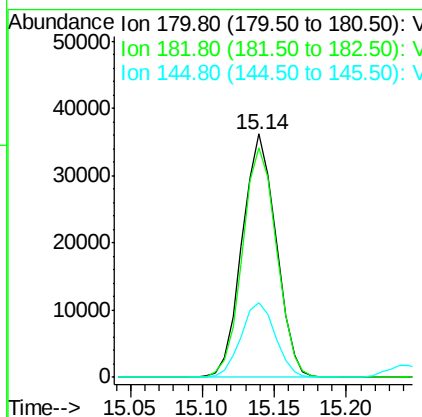
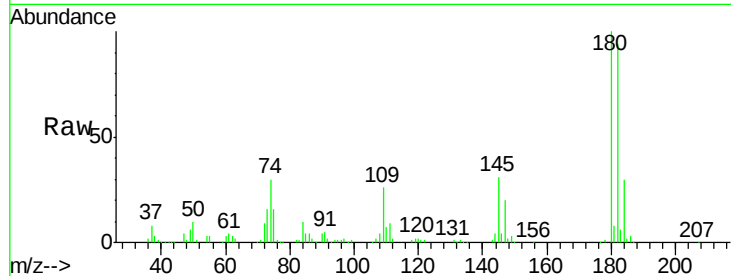
#93
1,2,4-Trichlorobenzene
Concen: 48.653 ug/l
RT: 15.14 min Scan# 2171
Delta R.T. 0.00 min
Lab File: VW008119.D
Acq: 09 Jan 2019 23:40

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
180	100	59160		
182	94.8	48.6	145.9	
145	31.2	16.6	49.7	

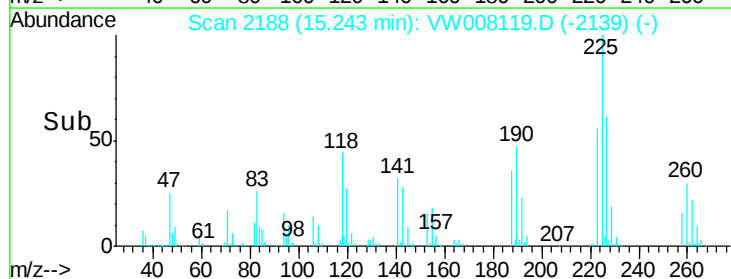
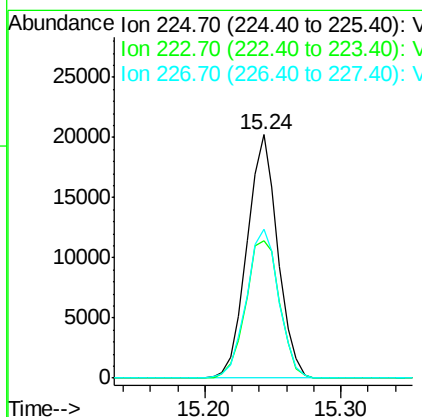
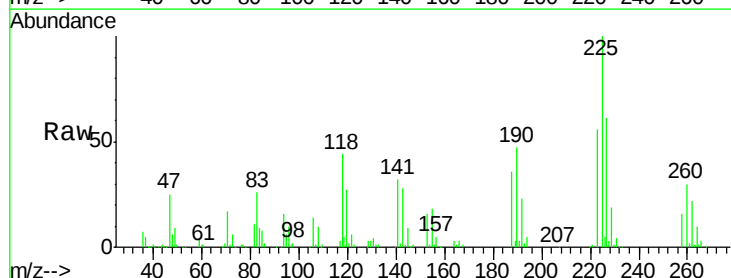
Manual Integrations
APPROVED

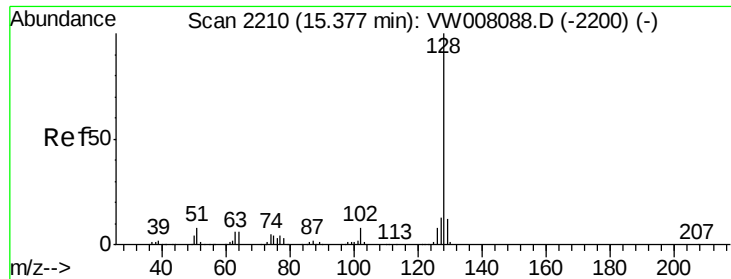
MMDadoda
1/10/2019 5:06:04 PM



#94
Hexachlorobutadiene
Concen: 49.150 ug/l
RT: 15.24 min Scan# 2188
Delta R.T. 0.00 min
Lab File: VW008119.D
Acq: 09 Jan 2019 23:40

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	31988		
223	62.5	31.4	94.3	
227	64.1	32.0	96.2	





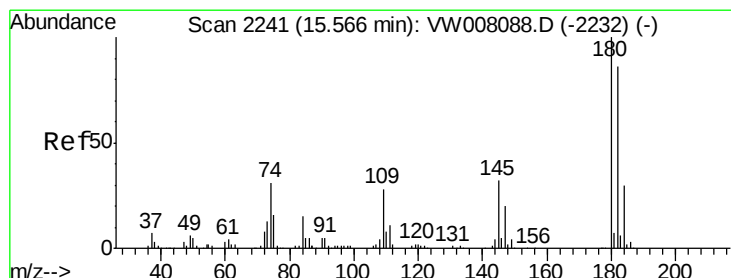
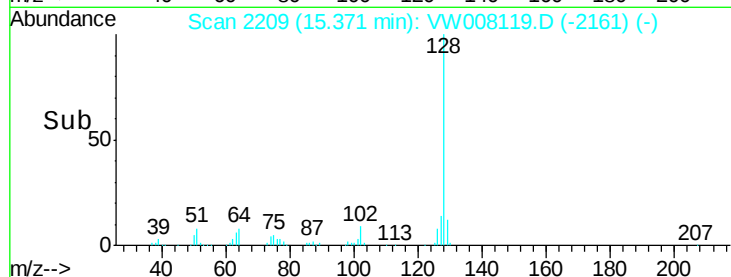
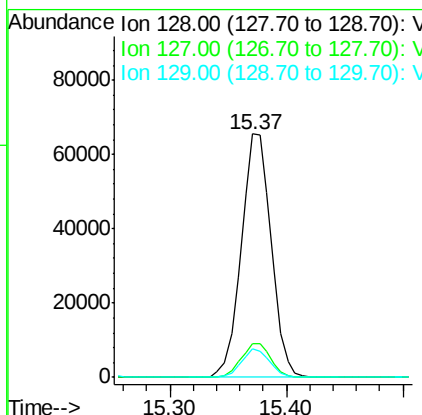
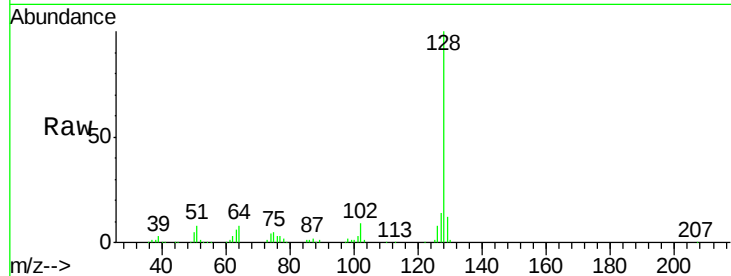
#95
Naphthalene
Concen: 51.670 ug/l
RT: 15.37 min Scan# 2209
Delta R.T. -0.01 min
Lab File: VW008119.D
Acq: 09 Jan 2019 23:40

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
128	100		
127	13.8	11.0	16.4
129	11.1	9.0	13.6

Manual Integrations
APPROVED

MMDadoda
1/10/2019 5:06:04 PM



#96
1,2,3-Trichlorobenzene
Concen: 50.185 ug/l
RT: 15.57 min Scan# 2241
Delta R.T. 0.00 min
Lab File: VW008119.D
Acq: 09 Jan 2019 23:40

Tgt Ion	Ratio	Lower	Upper
180	100		
182	94.5	46.5	139.3
145	33.1	17.4	52.2

