

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW041719\
 Data File : VW010015.D
 Acq On : 17 Apr 2019 12:44
 Operator : SY/VA
 Sample : VSTDICC100
 Misc : 5.00G/5ML/MSVOA W/SOIL
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDICC100

Manual Integrations
 APPROVED

MMDadoda
 4/18/2019 11:40:17 AM

Quant Time: Apr 18 02:16:34 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W041719S.M
 Quant Title : SW846 8260
 QLast Update : Thu Apr 18 01:42:18 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	444112	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	708428	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	656270	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	327729	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.30	65	566910	103.44	ug/l	0.00
Spiked Amount	50.000		Recovery	=	206.88%	
35) Dibromofluoromethane	7.88	113	469411	104.22	ug/l	0.00
Spiked Amount	50.000		Recovery	=	208.44%	
50) Toluene-d8	10.32	98	1842512	109.17	ug/l	0.00
Spiked Amount	50.000		Recovery	=	218.34%	
62) 4-Bromofluorobenzene	12.62	95	674665	109.97	ug/l	0.00
Spiked Amount	50.000		Recovery	=	219.94%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.01	85	352070	105.742	ug/l	99
3) Chloromethane	2.22	50	364995	107.784	ug/l	98
4) Vinyl Chloride	2.37	62	419099	106.471	ug/l	97
5) Bromomethane	2.77	94	277458	104.886	ug/l	99
6) Chloroethane	2.92	64	270525	105.184	ug/l	97
7) Trichlorofluoromethane	3.25	101	300543	110.431	ug/l	99
8) Diethyl Ether	3.67	74	226274	99.950	ug/l	96
9) 1,1,2-Trichlorotrifluoroet	4.05	101	444038	99.544	ug/l	99
10) Methyl Iodide	4.27	142	656220	103.690	ug/l	99
11) Tert butyl alcohol	5.18	59	152507	489.954	ug/l	98
12) 1,1-Dichloroethene	4.03	96	455084	103.654	ug/l	99
13) Acrolein	3.88	56	156235	475.713	ug/l	96
14) Allyl chloride	4.66	41	812029	104.032	ug/l	100
15) Acrylonitrile	5.36	53	595564	511.192	ug/l	99
16) Acetone	4.12	43	598567	470.716	ug/l	99
17) Carbon Disulfide	4.37	76	1367512	113.549	ug/l	100
18) Methyl Acetate	4.67	43	277392	94.254	ug/l	100
19) Methyl tert-butyl Ether	5.42	73	607929	106.606	ug/l	99
20) Methylene Chloride	4.91	84	480873	82.198	ug/l	98
21) trans-1,2-Dichloroethene	5.41	96	505078	106.236	ug/l	99
22) Diisopropyl ether	6.31	45	1621397	102.406	ug/l	97
23) Vinyl Acetate	6.25	43	5496004	551.415	ug/l	99
24) 1,1-Dichloroethane	6.21	63	943759	99.711	ug/l	99
25) 2-Butanone	7.16	43	893006	534.605	ug/l	97
26) 2,2-Dichloropropane	7.16	77	507447	96.905	ug/l	99
27) cis-1,2-Dichloroethene	7.16	96	546065	104.436	ug/l	99
28) Bromochloromethane	7.51	49	381580	98.650	ug/l	97
29) Tetrahydrofuran	7.52	42	571034	539.514	ug/l	98
30) Chloroform	7.67	83	933459	98.424	ug/l	99
31) Cyclohexane	7.95	56	885609	99.920	ug/l	99
32) 1,1,1-Trichloroethane	7.87	97	732476	98.380	ug/l	99
36) 1,1-Dichloropropene	8.08	75	752290	103.958	ug/l	99
37) Ethyl Acetate	7.25	43	381539	103.759	ug/l	100
38) Carbon Tetrachloride	8.06	117	717427	101.582	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.34	83	923516	113.411	ug/l	99
40) Benzene	8.32	78	2031546	102.674	ug/l	99
41) Methacrylonitrile	7.48	41	236058	112.637	ug/l	98
42) 1,2-Dichloroethane	8.40	62	675360	99.320	ug/l	100
43) Isopropyl Acetate	8.42	43	739473	107.316	ug/l	98
44) Trichloroethene	9.09	130	520925	103.656	ug/l	98
45) 1,2-Dichloropropane	9.37	63	523610	100.677	ug/l	100
46) Dibromomethane	9.46	93	275315	102.135	ug/l	100
47) Bromodichloromethane	9.64	83	718667	103.280	ug/l	99
48) Methyl methacrylate	9.43	41	357825	106.680	ug/l	98
49) 1,4-Dioxane	9.44	88	85147	2067.265	ug/l	100
51) 4-Methyl-2-Pentanone	10.21	43	1933953	535.869	ug/l	100
52) Toluene	10.38	92	1294064	104.992	ug/l	98
53) t-1,3-Dichloropropene	10.60	75	743189	107.725	ug/l	97
54) cis-1,3-Dichloropropene	10.07	75	847203	107.545	ug/l	98
55) 1,1,2-Trichloroethane	10.79	97	379044	100.747	ug/l	98
56) Ethyl methacrylate	10.65	69	551695	117.953	ug/l	98
57) 1,3-Dichloropropane	10.93	76	689094	102.187	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.92	63	1055563	469.526	ug/l	99
59) 2-Hexanone	10.97	43	1385732	551.588	ug/l	100
60) Dibromochloromethane	11.13	129	462978	106.468	ug/l	100
61) 1,2-Dibromoethane	11.23	107	368929	103.081	ug/l	97
64) Tetrachloroethene	10.86	164	440241	103.336	ug/l	99
65) Chlorobenzene	11.66	112	1342381	99.938	ug/l	97
66) 1,1,1,2-Tetrachloroethane	11.73	131	492221	102.473	ug/l	99
67) Ethyl Benzene	11.73	91	2547792	106.313	ug/l	99
68) m/p-Xylenes	11.84	106	1882540	210.146	ug/l	100
69) o-Xylene	12.16	106	883185	108.276	ug/l	98
70) Styrene	12.18	104	1558022	110.782	ug/l	99
71) Bromoform	12.35	173	264906	104.295	ug/l #	99
73) Isopropylbenzene	12.47	105	2470265	108.301	ug/l	100
74) N-amyl acetate	12.27	43	712548	112.806	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.72	83	459050	101.867	ug/l	99
76) 1,2,3-Trichloropropane	12.77	75	334883m	85.238	ug/l	
77) Bromobenzene	12.75	156	546064	104.095	ug/l	100
78) n-propylbenzene	12.80	91	3002733	106.219	ug/l	100
79) 2-Chlorotoluene	12.90	91	1694565	104.227	ug/l	99
80) 1,3,5-Trimethylbenzene	12.94	105	2076168	107.354	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.51	75	160673	115.503	ug/l	98
82) 4-Chlorotoluene	12.99	91	1759710	102.839	ug/l	100
83) tert-Butylbenzene	13.21	119	1733716	108.254	ug/l	99
84) 1,2,4-Trimethylbenzene	13.26	105	2073946	105.772	ug/l	100
85) sec-Butylbenzene	13.38	105	2508564	104.815	ug/l	100
86) p-Isopropyltoluene	13.50	119	2271021	107.658	ug/l	100
87) 1,3-Dichlorobenzene	13.50	146	1057553	99.730	ug/l	99
88) 1,4-Dichlorobenzene	13.58	146	1043143	98.553	ug/l	99
89) n-Butylbenzene	13.83	91	2269678	108.601	ug/l	99
90) Hexachloroethane	14.10	117	421029	104.207	ug/l	98
91) 1,2-Dichlorobenzene	13.87	146	943063	99.186	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.49	75	81660	101.259	ug/l	97

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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.14	180	658319	104.950	ug/l	100
94) Hexachlorobutadiene	15.24	225	386946	101.584	ug/l	99
95) Naphthalene	15.37	128	1302455	115.654	ug/l	100
96) 1,2,3-Trichlorobenzene	15.56	180	570242	104.783	ug/l	99

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

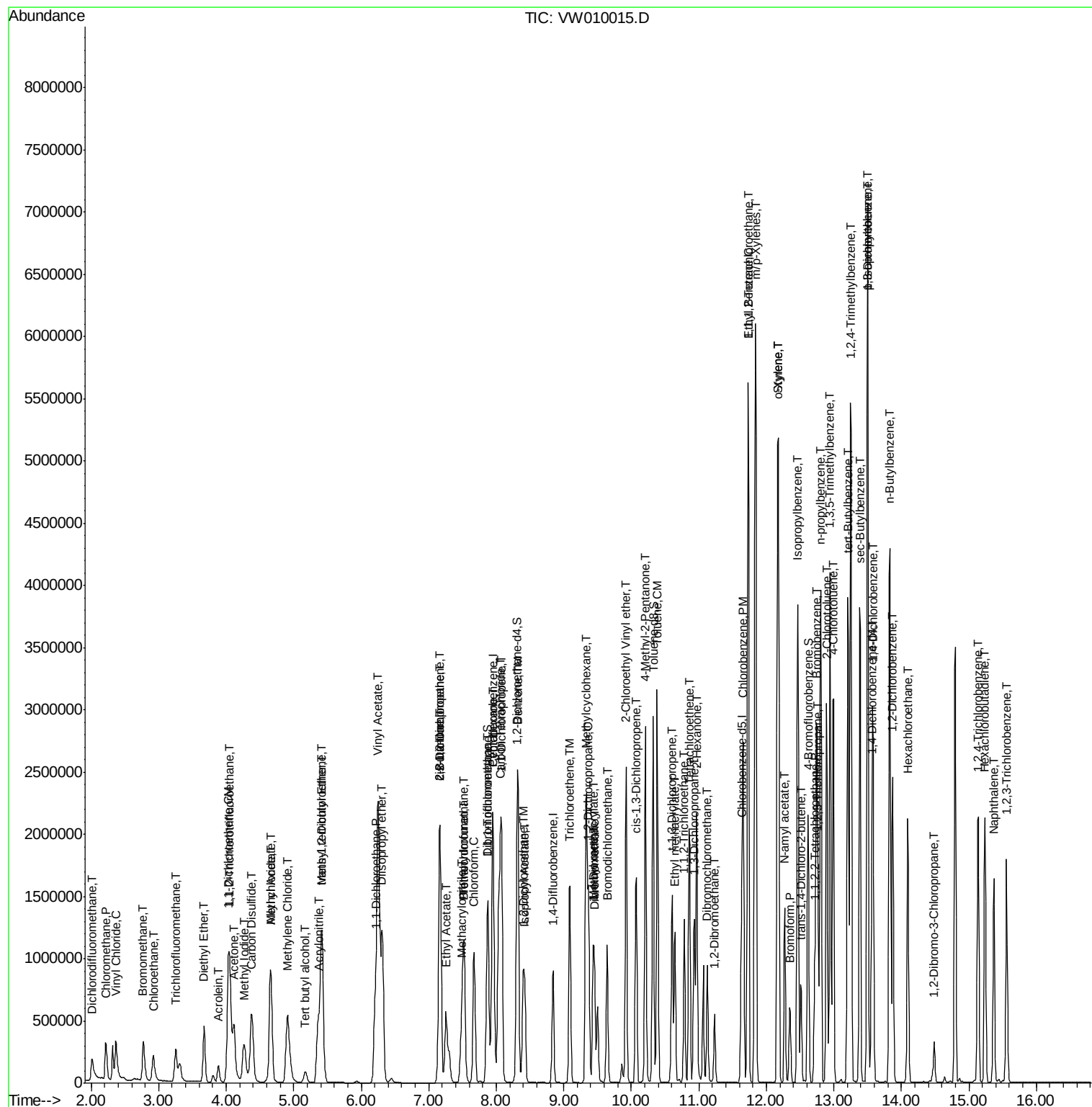
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW041719\
Data File : VW010015.D
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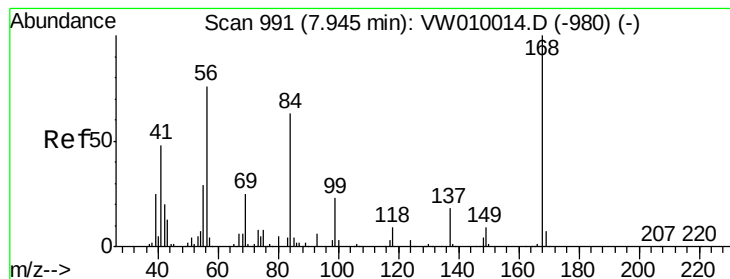
Instrument :
MSVOA_W
ClientSampleId :
VSTDICC100

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.00 min

Lab File: VW010015.D

Acq: 17 Apr 2019 12:44

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC100

Tot Ion:168 Resp: 444112

Ion Ratio Lower Upper

168 100

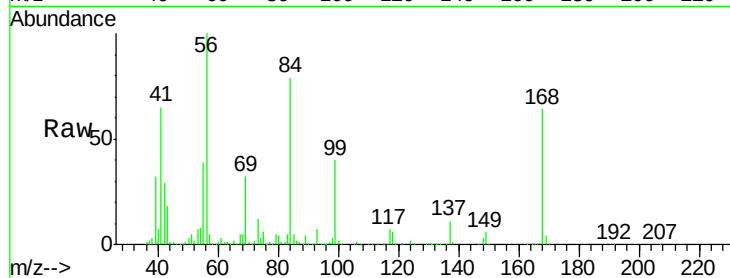
99 61.7 48.4 72.6

Manual Integrations

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW

7.95

200000

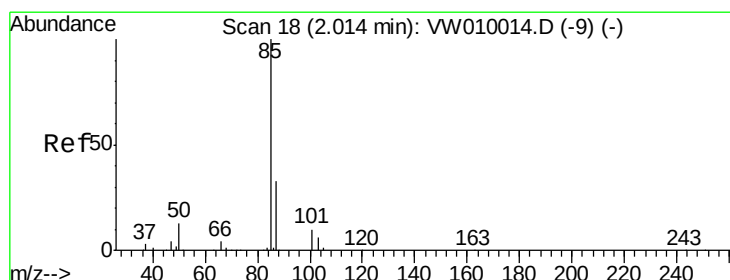
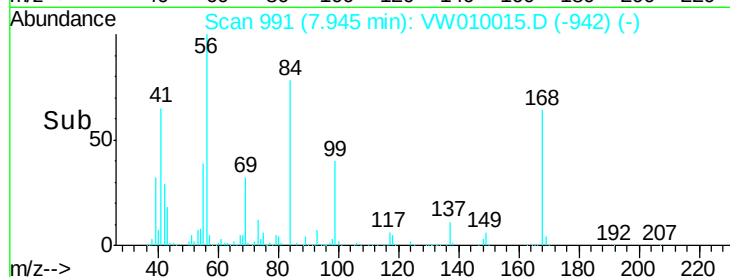
150000

100000

50000

0

Time--> 7.80 7.90 8.00



#2

Dichlorodifluoromethane

Concen: 105.742 ug/l

RT: 2.01 min Scan# 18

Delta R.T. -0.00 min

Lab File: VW010015.D

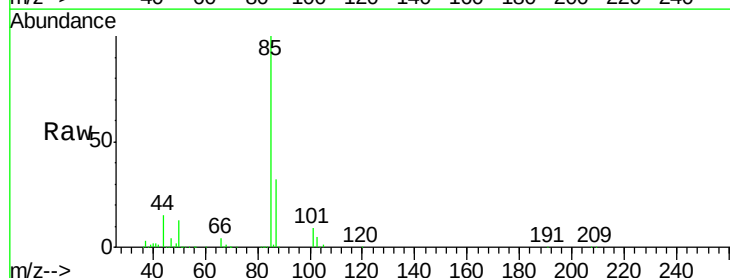
Acq: 17 Apr 2019 12:44

Tgt Ion: 85 Resp: 352070

Ion Ratio Lower Upper

85 100

87 32.0 16.3 48.9



Abundance Ion 84.90 (84.60 to 85.60): VW

Ion 86.90 (86.60 to 87.60): VW

2.01

100000

80000

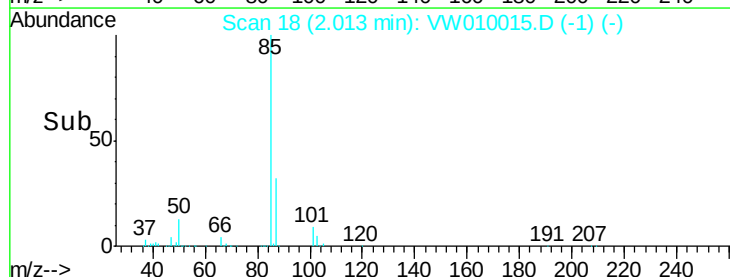
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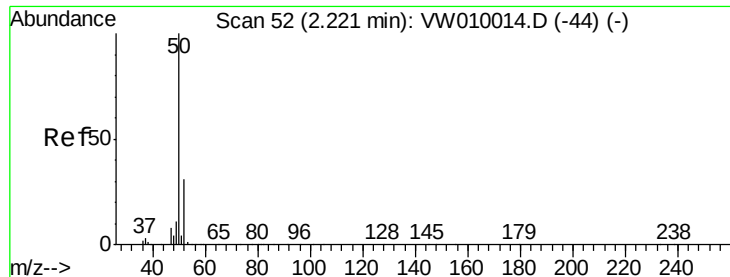
40000

20000

0

Time--> 1.80 2.00 2.20





#3

Chloromethane

Concen: 107.784 ug/l

RT: 2.22 min Scan# 52

Delta R.T. -0.00 min

Lab File: VW010015.D

Acq: 17 Apr 2019 12:44

Instrument :

MSVOA_W

ClientSampleId :

VSTDICC100

Tot Ion: 50 Resp: 364995

Ion Ratio Lower Upper

50 100

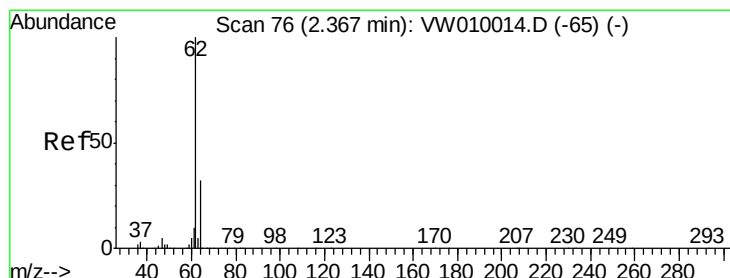
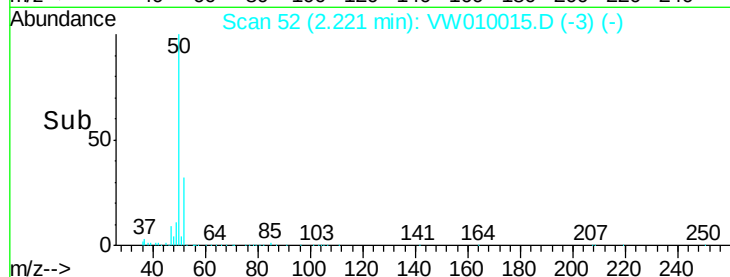
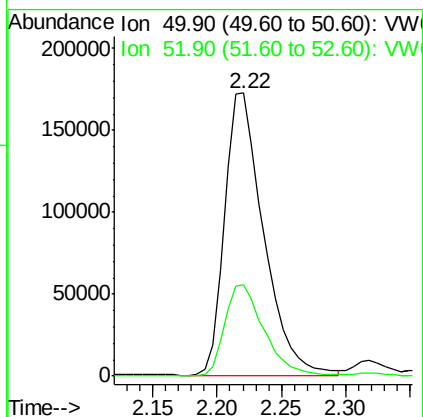
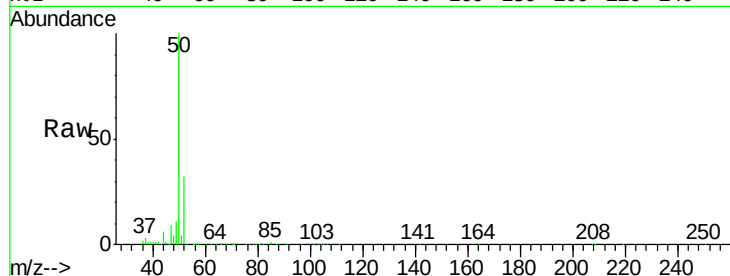
52 32.3 25.0 37.6

Manual Integrations

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#4

Vinyl Chloride

Concen: 106.471 ug/l

RT: 2.37 min Scan# 76

Delta R.T. -0.00 min

Lab File: VW010015.D

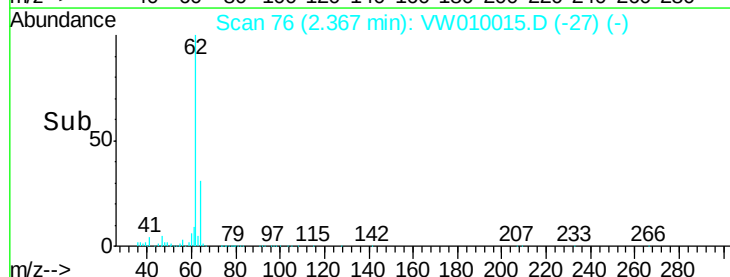
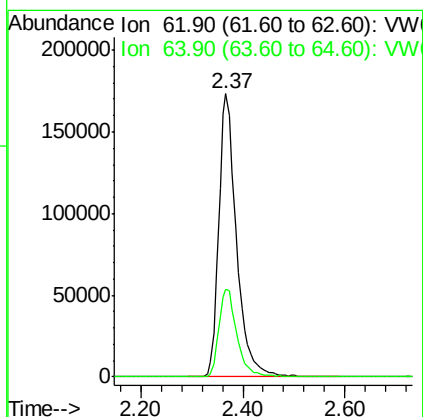
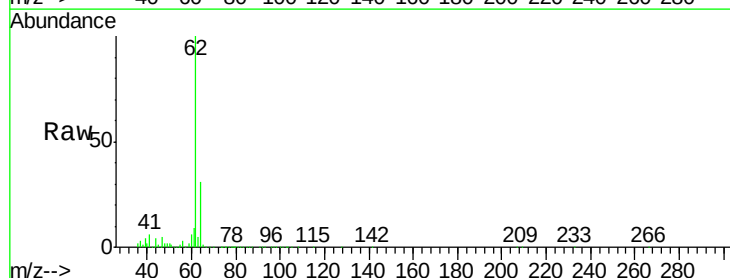
Acq: 17 Apr 2019 12:44

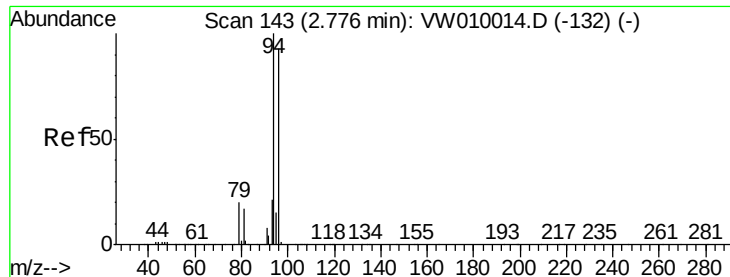
Tgt Ion: 62 Resp: 419099

Ion Ratio Lower Upper

62 100

64 30.8 25.9 38.9





#5

Bromomethane

Concen: 104.886 ug/l

RT: 2.77 min Scan# 142

Delta R.T. -0.01 min

Lab File: VW010015.D

Acq: 17 Apr 2019 12:44

Instrument :

MSVOA_W

ClientSampleId :

VSTDICC100

Tot Ion: 94 Resp: 277458

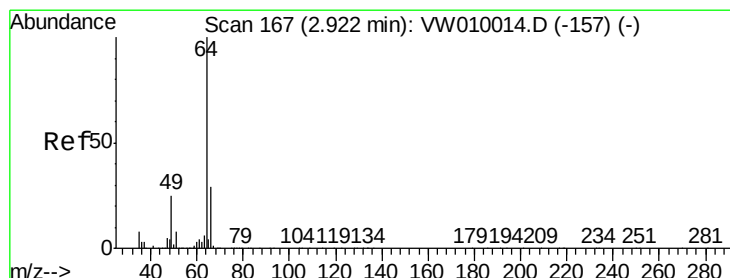
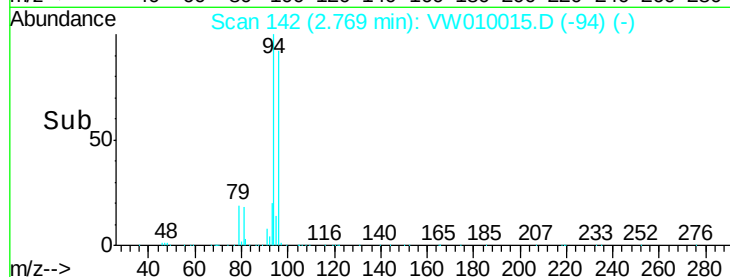
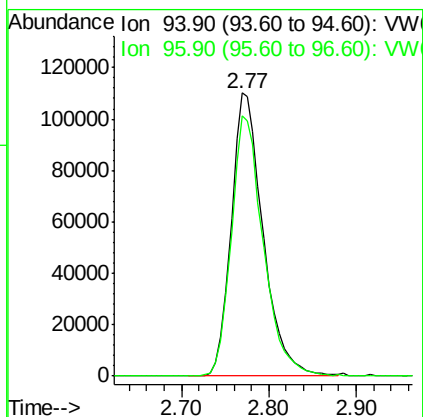
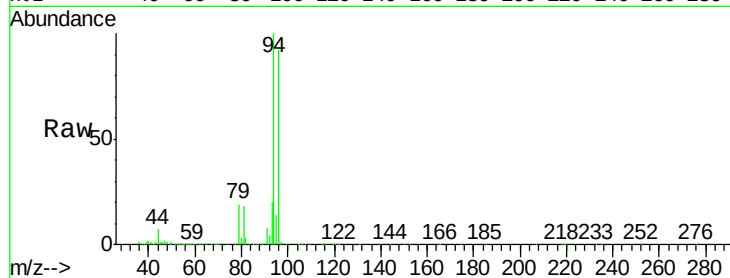
Ion Ratio Lower Upper

94 100

96 91.7 74.2 111.2

Manual Integrations
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#6

Chloroethane

Concen: 105.184 ug/l

RT: 2.92 min Scan# 167

Delta R.T. -0.00 min

Lab File: VW010015.D

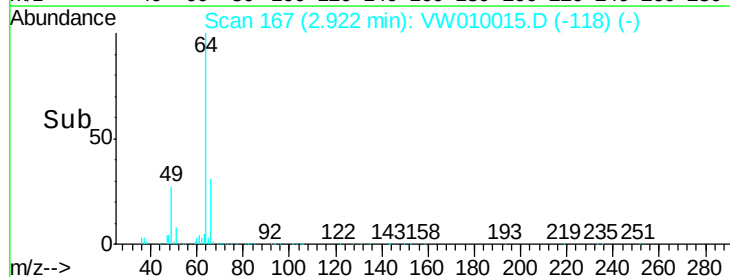
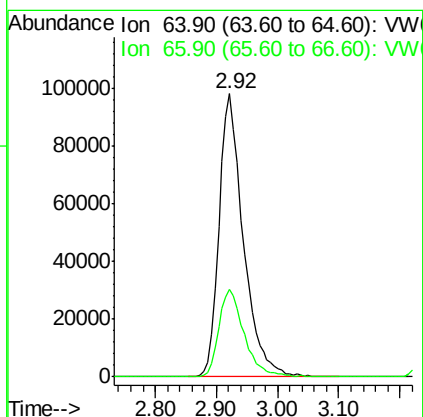
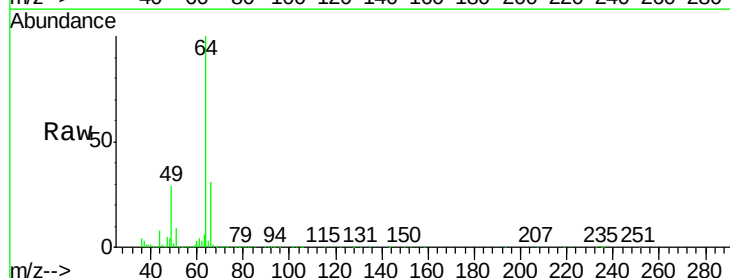
Acq: 17 Apr 2019 12:44

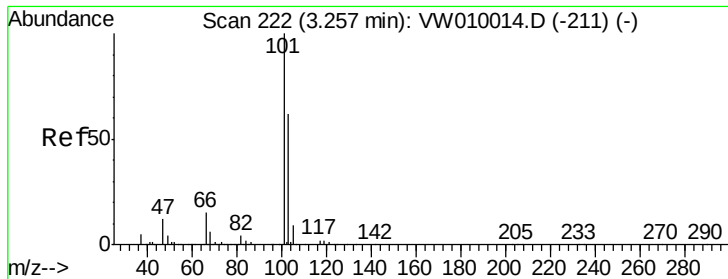
Tgt Ion: 64 Resp: 270525

Ion Ratio Lower Upper

64 100

66 30.6 23.4 35.0





#7

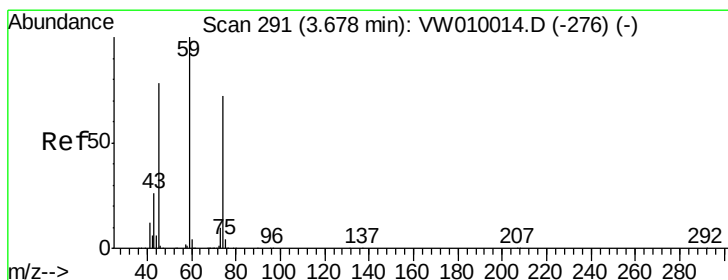
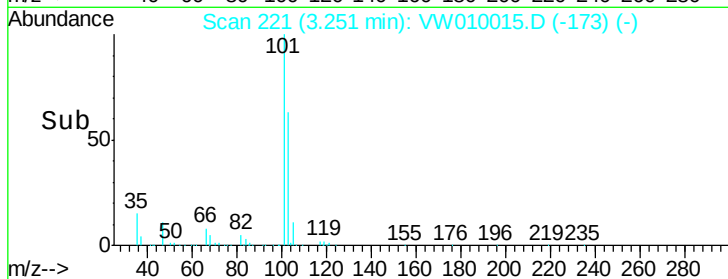
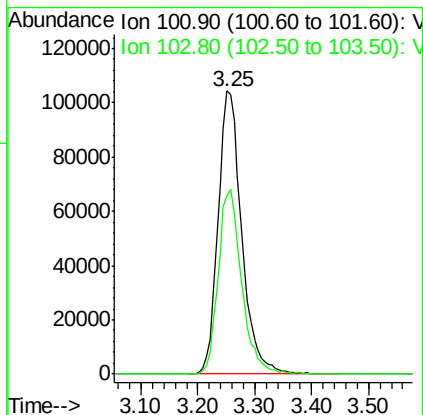
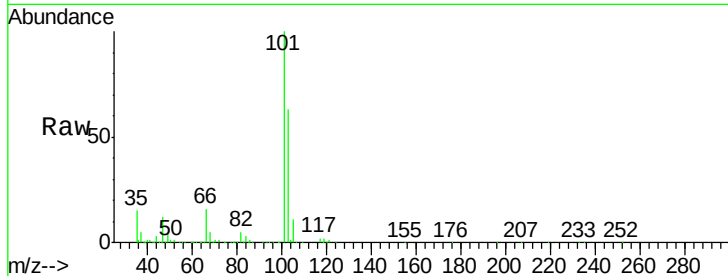
Trichlorofluoromethane
 Concen: 110.431 ug/l
 RT: 3.25 min Scan# 221
 Delta R.T. -0.01 min
 Lab File: VW010015.D
 Acq: 17 Apr 2019 12:44

Instrument :
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 ClientSampleId :
 VSTDIC100

Tot Ion	Ratio	Lower	Upper
101	100		
103	63.0	49.8	74.6

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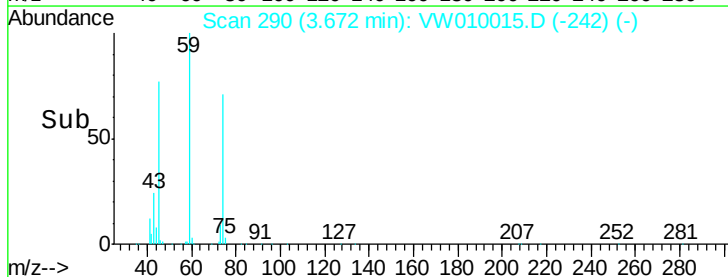
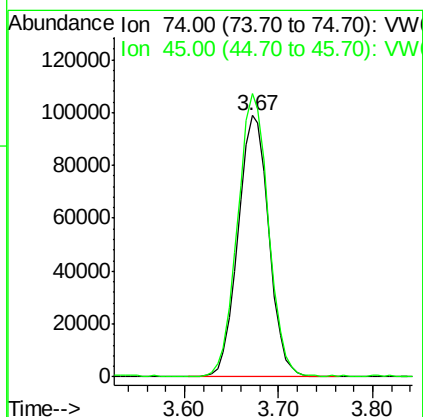
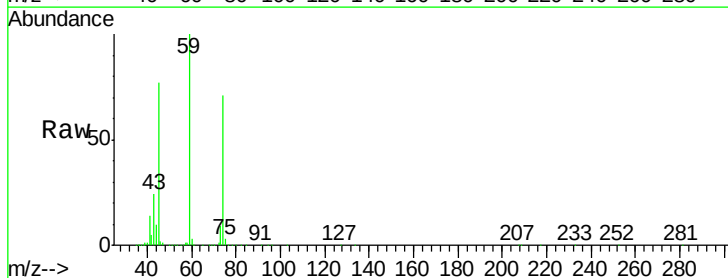
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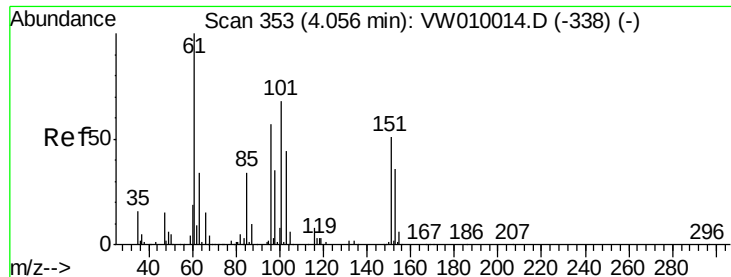


#8

Diethyl Ether
 Concen: 99.950 ug/l
 RT: 3.67 min Scan# 290
 Delta R.T. -0.01 min
 Lab File: VW010015.D
 Acq: 17 Apr 2019 12:44

Tgt Ion	Ratio	Lower	Upper
74	100		
45	107.9	56.0	168.0





#9

1,1,2-Trichlorotrifluoroethane

Concen: 99.544 ug/l

RT: 4.05 min Scan# 352

Delta R.T. -0.01 min

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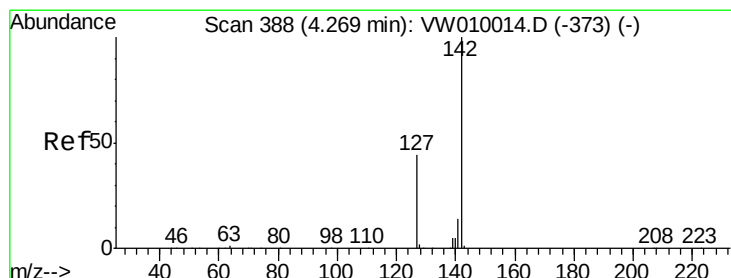
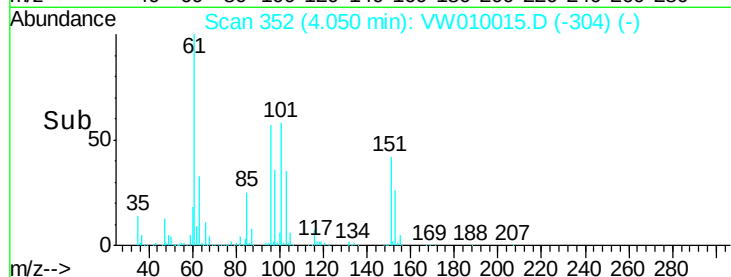
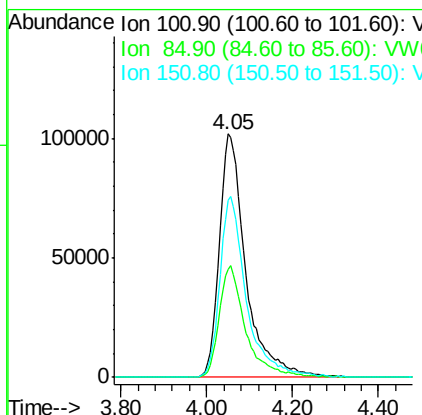
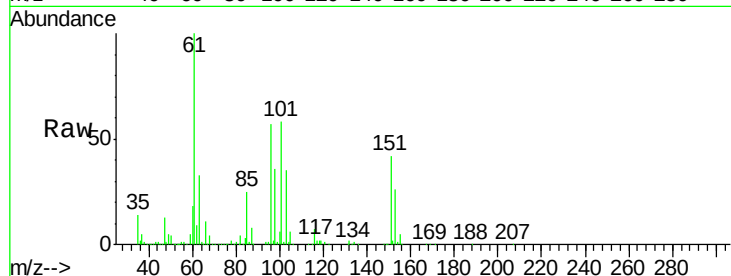
ClientSampled :

VSTDIC100

Tot Ion:	101	Resp:	444038
Ion Ratio	Lower	Upper	
101	100		
85	45.7	36.3	54.5
151	74.0	60.2	90.2

Manual Integrations
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4/18/2019 11:40:17 AM



#10

Methyl Iodide

Concen: 103.690 ug/l

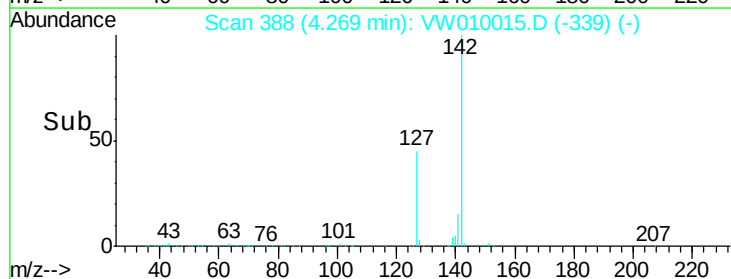
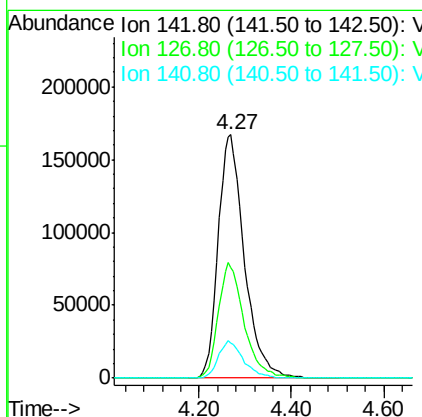
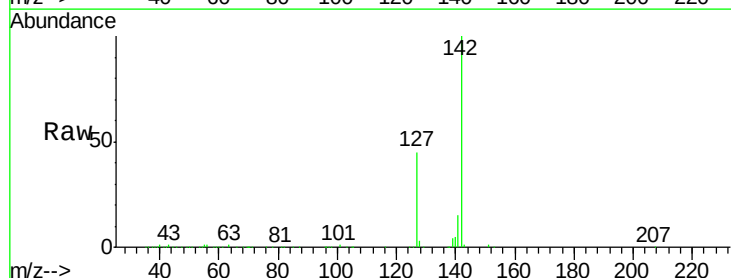
RT: 4.27 min Scan# 388

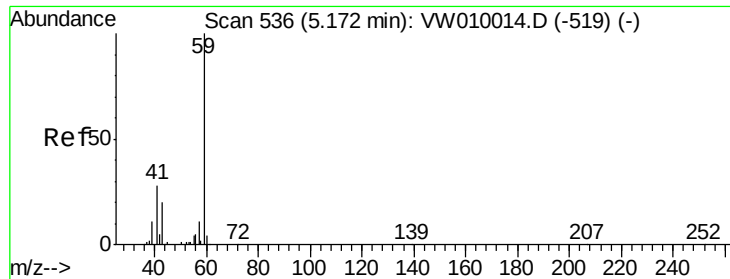
Delta R.T. -0.00 min

Lab File: VW010015.D

Acq: 17 Apr 2019 12:44

Tgt Ion:	142	Resp:	656220
Ion Ratio	Lower	Upper	
142	100		
127	46.7	38.1	57.1
141	14.8	12.2	18.2





#11

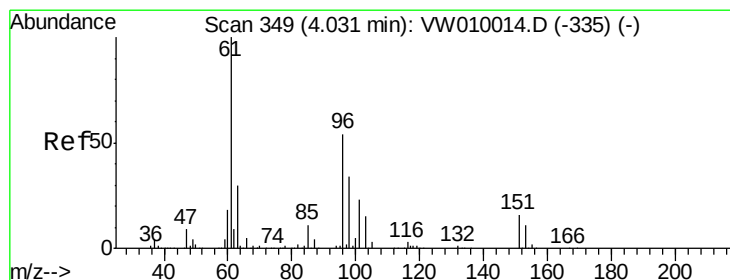
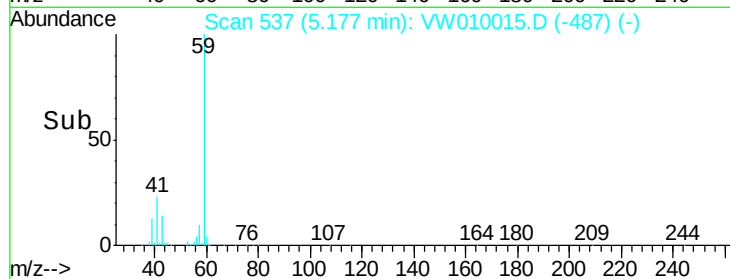
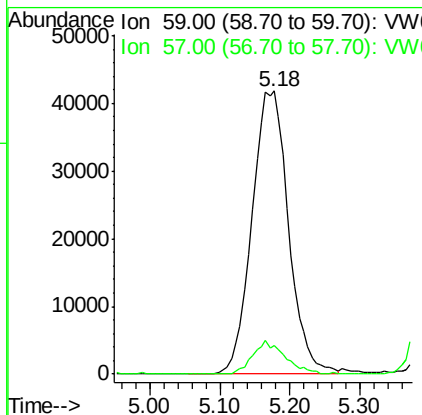
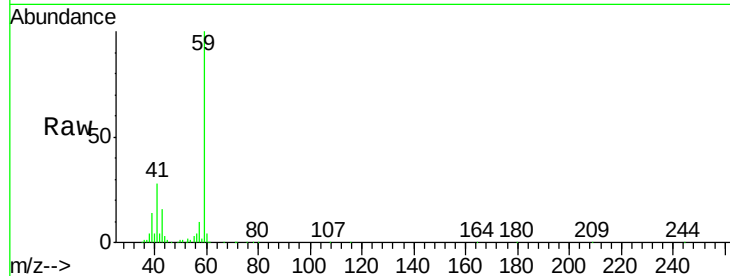
Tert butyl alcohol
Concen: 489.954 ug/l
RT: 5.18 min Scan# 537
Delta R.T. 0.01 min
Lab File: VW010015.D
Acq: 17 Apr 2019 12:44

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC100

Tot Ion	59	Resp	152507
Ion Ratio	100	Lower	Upper
57	10.5	9.0	13.4

Manual Integrations
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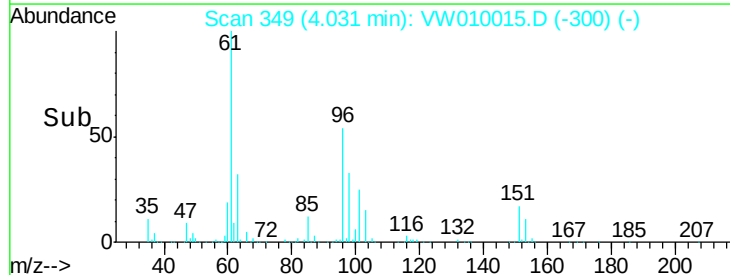
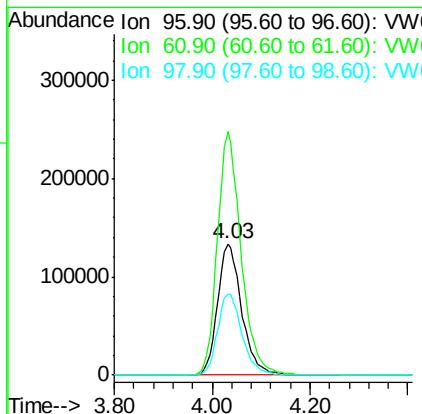
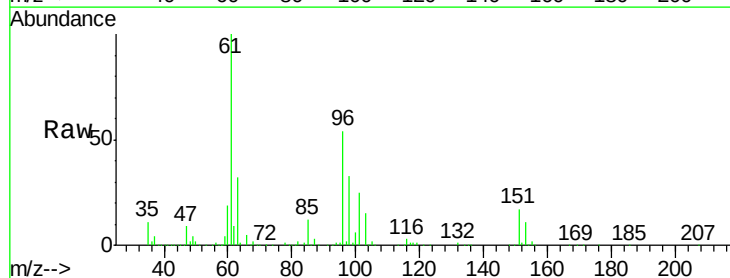
MMDadoda
4/18/2019 11:40:17 AM

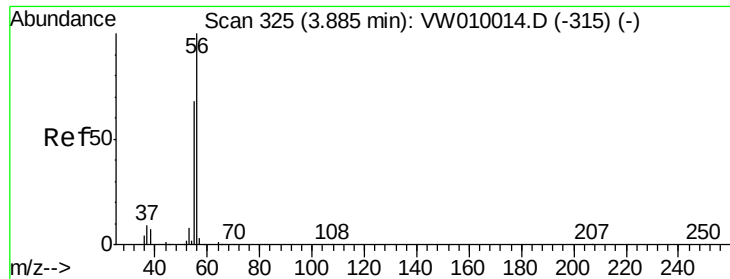


#12

1,1-Dichloroethene
Concen: 103.654 ug/l
RT: 4.03 min Scan# 349
Delta R.T. -0.00 min
Lab File: VW010015.D
Acq: 17 Apr 2019 12:44

Tgt Ion	96	Resp	455084
Ion Ratio	100	Lower	Upper
61	185.5	147.4	221.2
98	61.9	49.7	74.5





#13

Acrolein

Concen: 475.713 ug/l

RT: 3.88 min Scan# 325

Delta R.T. -0.00 min

Lab File: VW010015.D

Acq: 17 Apr 2019 12:44

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC100

Tot Ion: 56 Resp: 156235

Ion Ratio Lower Upper

56 100

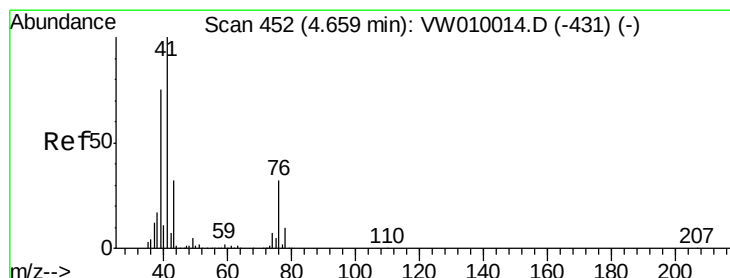
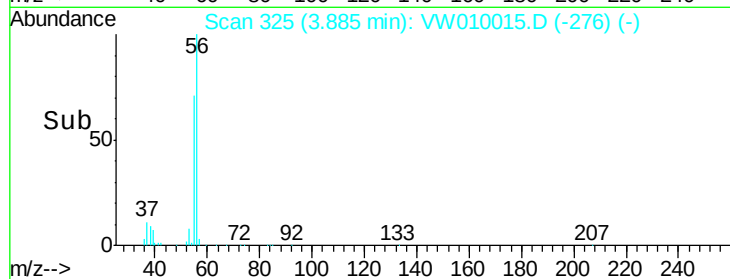
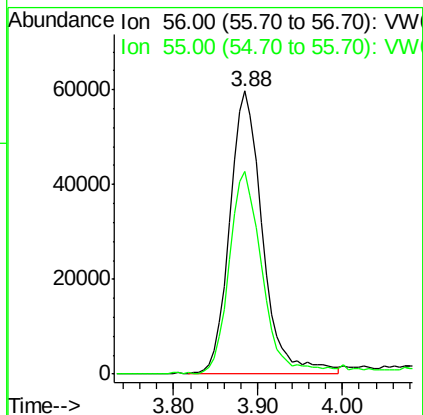
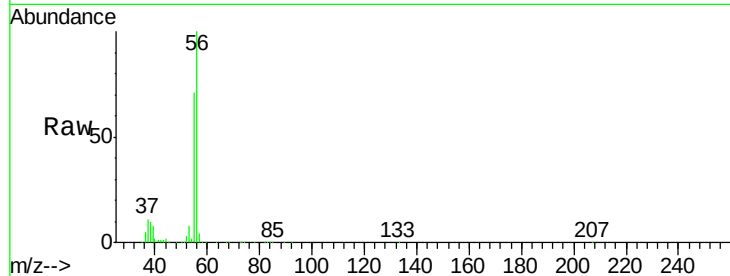
55 70.9 54.2 81.2

Manual Integrations

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#14

Allyl chloride

Concen: 104.032 ug/l

RT: 4.66 min Scan# 452

Delta R.T. -0.00 min

Lab File: VW010015.D

Acq: 17 Apr 2019 12:44

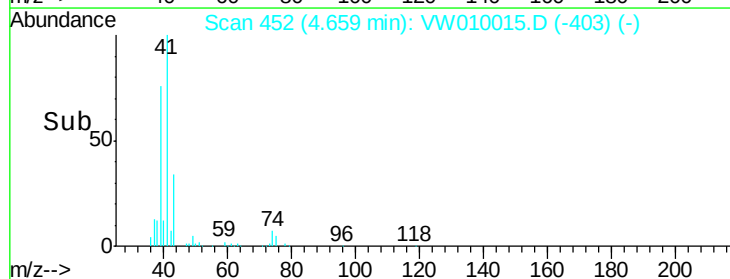
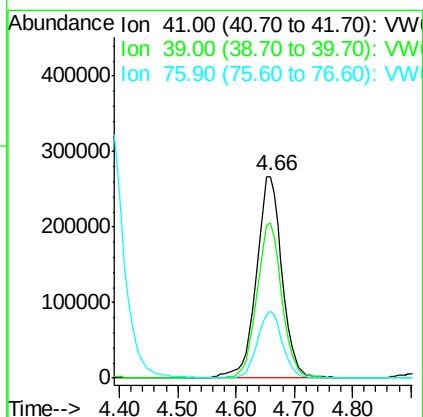
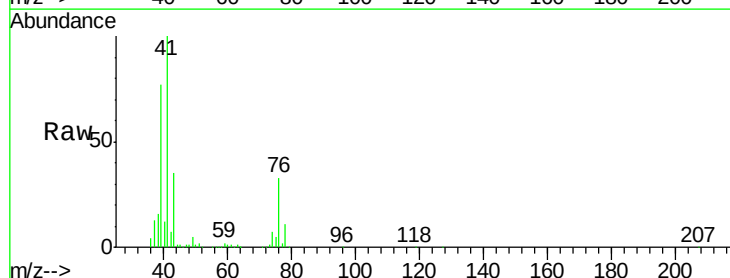
Tgt Ion: 41 Resp: 812029

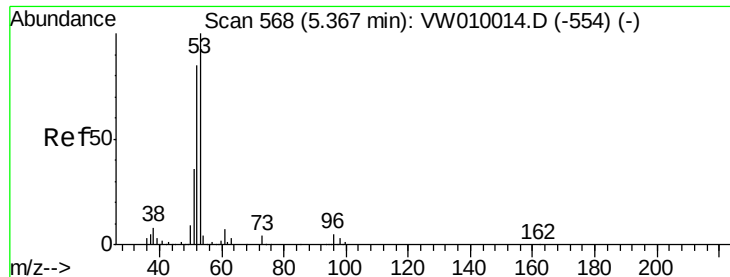
Ion Ratio Lower Upper

41 100

39 75.4 60.2 90.4

76 32.0 25.0 37.6





#15

Acrylonitrile

Concen: 511.192 ug/l

RT: 5.36 min Scan# 567

Delta R.T. -0.01 min

Lab File: VW010015.D

Acq: 17 Apr 2019 12:44

Instrument :

MSVOA_W

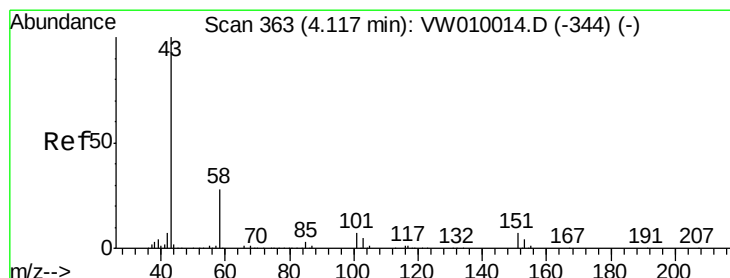
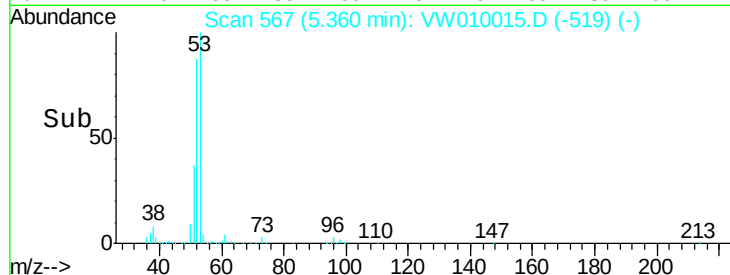
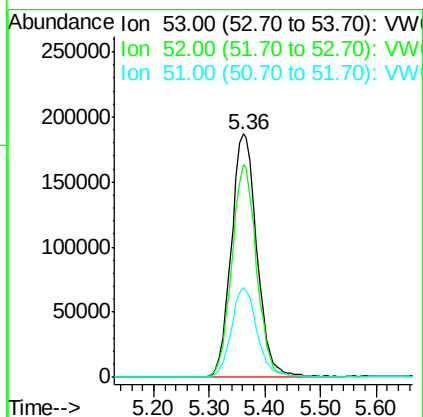
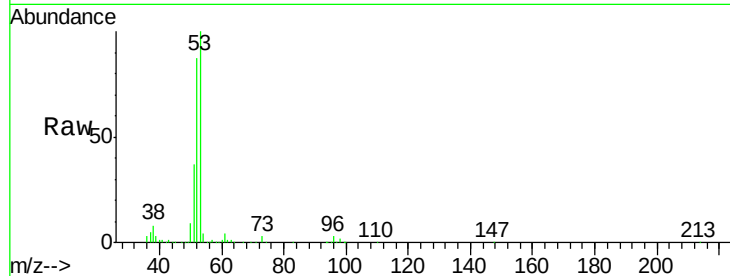
ClientSampleId :

VSTDIC100

Tot Ion:	53	Resp:	595564
Ion	Ratio	Lower	Upper
53	100		
52	84.5	66.6	100.0
51	37.4	30.3	45.5

Manual Integrations
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MMDadoda
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#16

Acetone

Concen: 470.716 ug/l

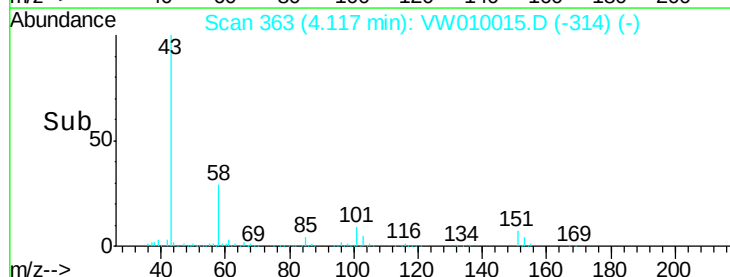
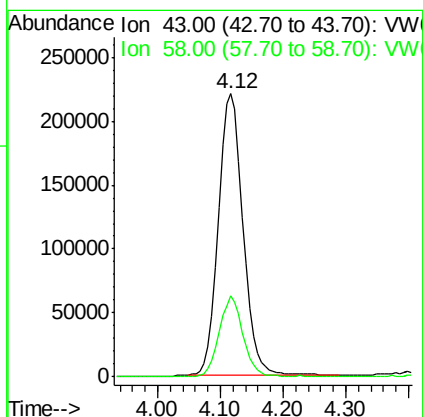
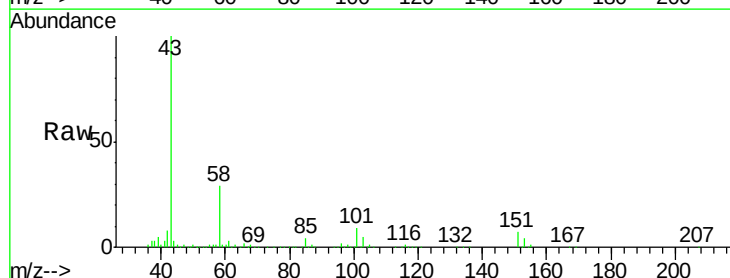
RT: 4.12 min Scan# 363

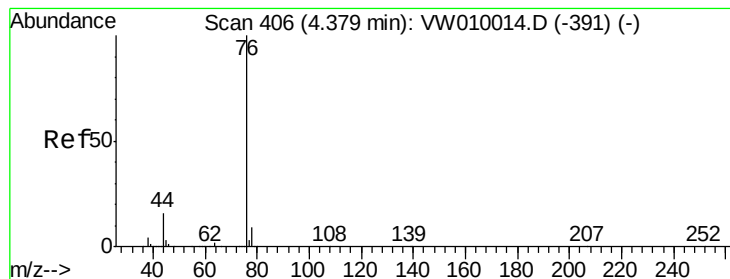
Delta R.T. -0.00 min

Lab File: VW010015.D

Acq: 17 Apr 2019 12:44

Tgt Ion:	43	Resp:	598567
Ion	Ratio	Lower	Upper
43	100		
58	29.0	22.7	34.1





#17

Carbon Disulfide

Concen: 113.549 ug/l

RT: 4.37 min Scan# 405

Delta R.T. -0.01 min

Lab File: VW010015.D

Acq: 17 Apr 2019 12:44

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC100

Tot Ion: 76 Resp: 1367512

Ion Ratio Lower Upper

76 100

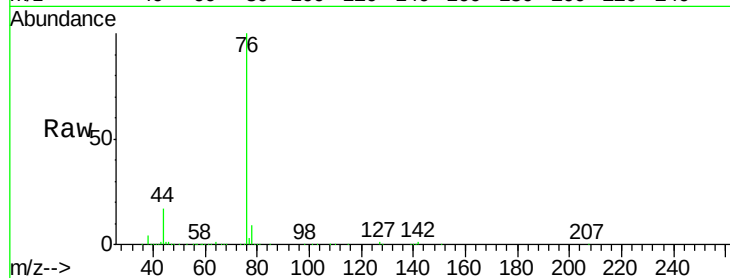
78 9.1 7.4 11.2

Manual Integrations

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4/18/2019 11:40:17 AM



Abundance Ion 75.90 (75.60 to 76.60): VW

Ion 77.90 (77.60 to 78.60): VW

4.37

400000

300000

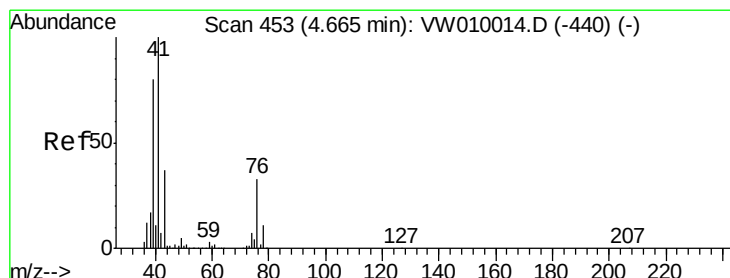
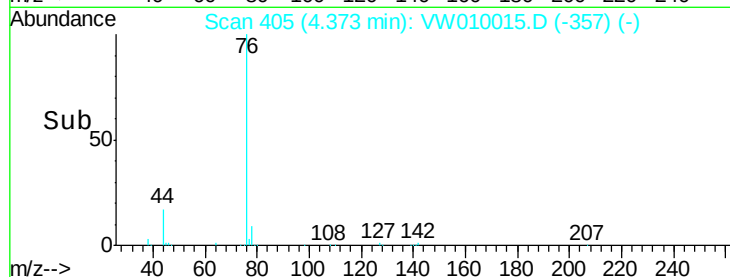
200000

100000

0

4.20 4.40 4.60

Time-->



#18

Methyl Acetate

Concen: 94.254 ug/l

RT: 4.67 min Scan# 453

Delta R.T. -0.00 min

Lab File: VW010015.D

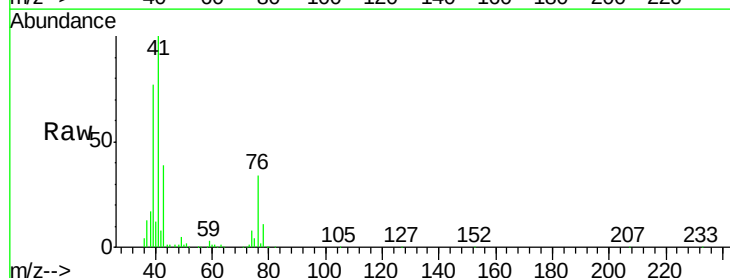
Acq: 17 Apr 2019 12:44

Tgt Ion: 43 Resp: 277392

Ion Ratio Lower Upper

43 100

74 21.2 16.8 25.2



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 74.00 (73.70 to 74.70): VW

4.67

100000

80000

60000

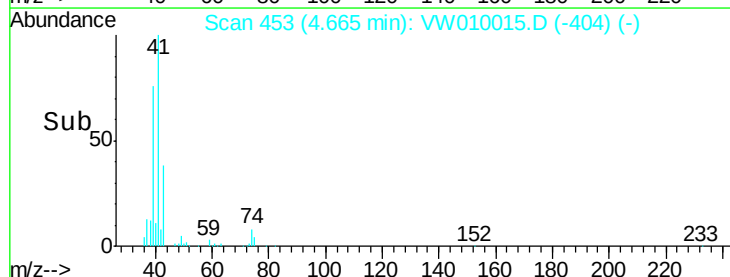
40000

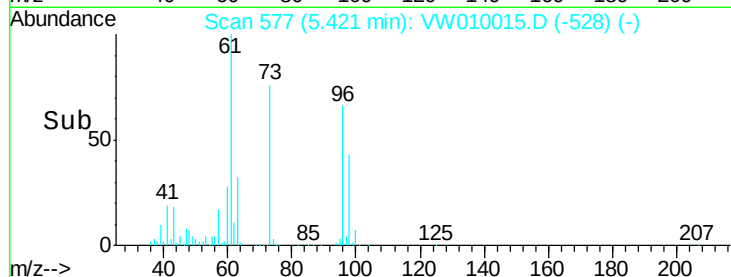
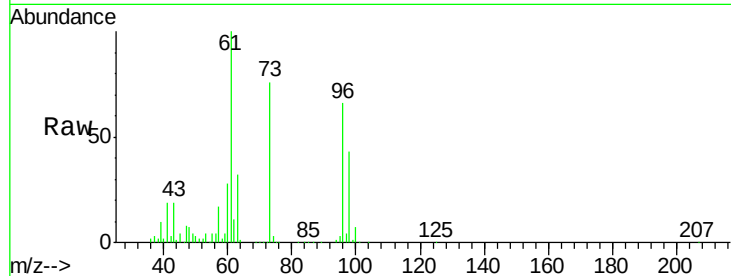
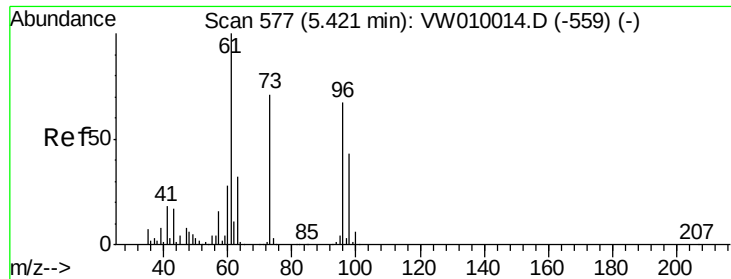
20000

0

4.50 4.60 4.70 4.80

Time-->





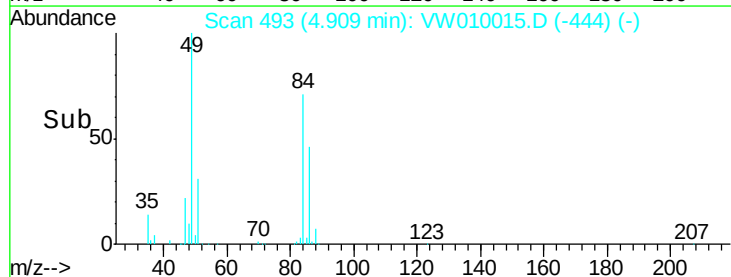
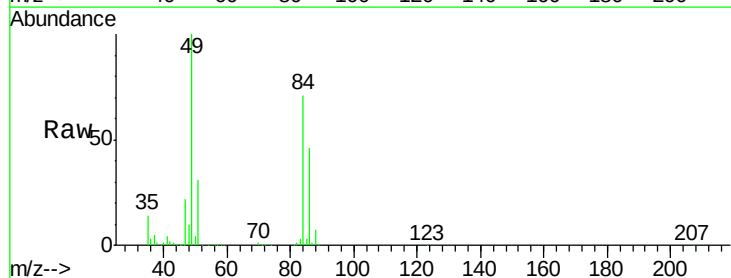
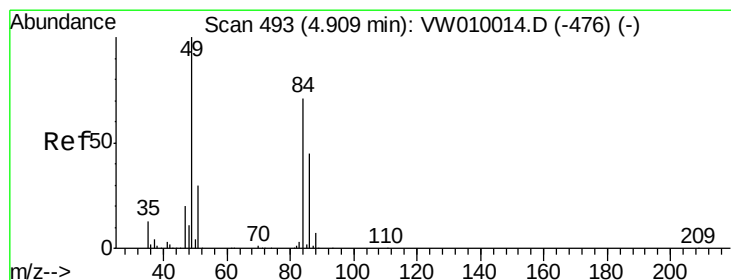
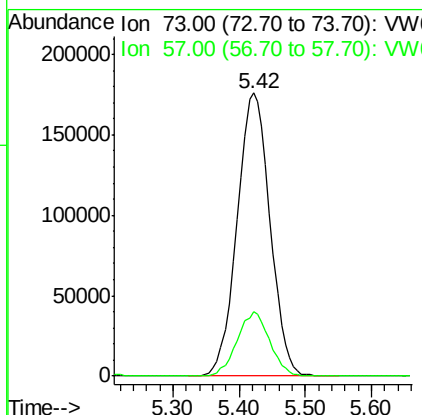
#19
Methyl tert-butyl Ether
Concen: 106.606 ug/l
RT: 5.42 min Scan# 577
Delta R.T. -0.00 min
Lab File: VW010015.D
Acq: 17 Apr 2019 12:44

Tot Ion	Ratio	Lower	Upper
73	100		
57	22.8	18.5	27.7

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC100

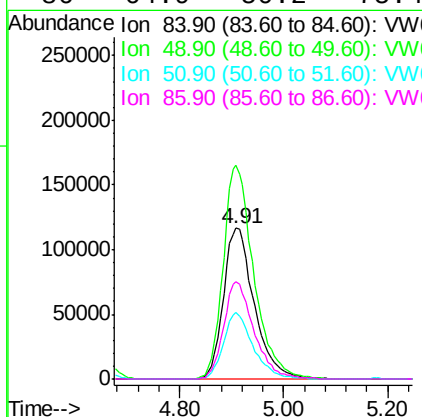
Manual Integrations
APPROVED

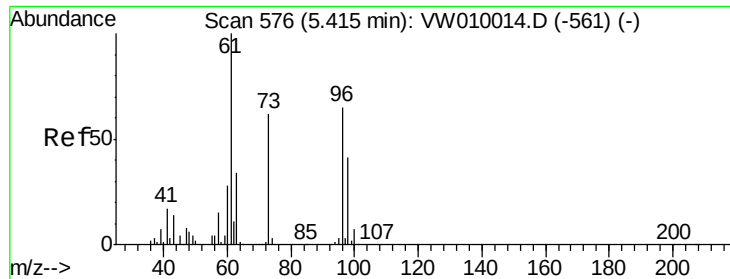
MMDadoda
4/18/2019 11:40:17 AM



#20
Methylene Chloride
Concen: 82.198 ug/l
RT: 4.91 min Scan# 493
Delta R.T. -0.00 min
Lab File: VW010015.D
Acq: 17 Apr 2019 12:44

Tgt Ion	Ratio	Lower	Upper
84	100		
49	141.8	112.3	168.5
51	43.9	33.9	50.9
86	64.9	50.2	75.4





#21

trans-1,2-Dichloroethene

Concen: 106.236 ug/l

RT: 5.41 min Scan# 575

Delta R.T. -0.01 min

Lab File: VW010015.D

Acq: 17 Apr 2019 12:44

Instrument :

MSVOA_W

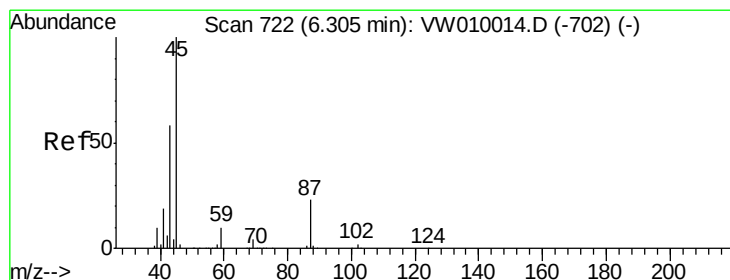
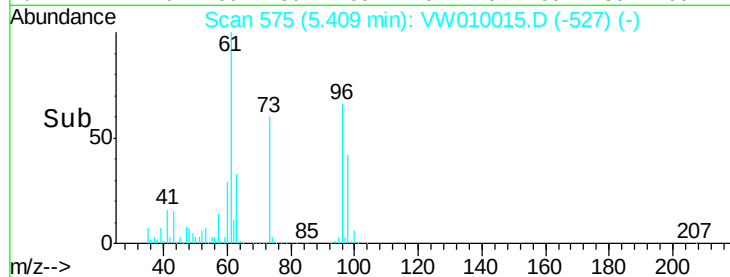
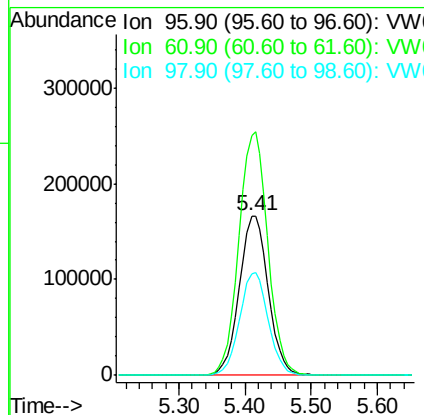
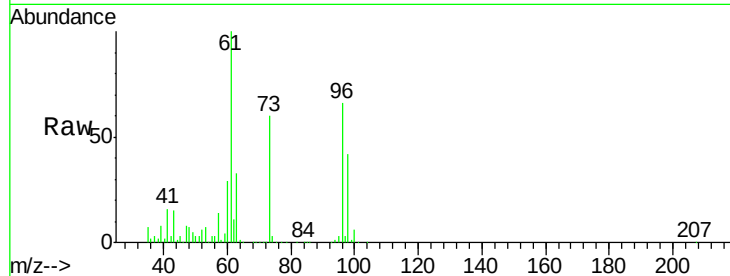
ClientSampleId :

VSTDIC100

Tot Ion:	96	Resp:	505078
Ion	Ratio	Lower	Upper
96	100		
61	150.4	122.3	183.5
98	63.4	50.5	75.7

Manual Integrations
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4/18/2019 11:40:17 AM



#22

Diisopropyl ether

Concen: 102.406 ug/l

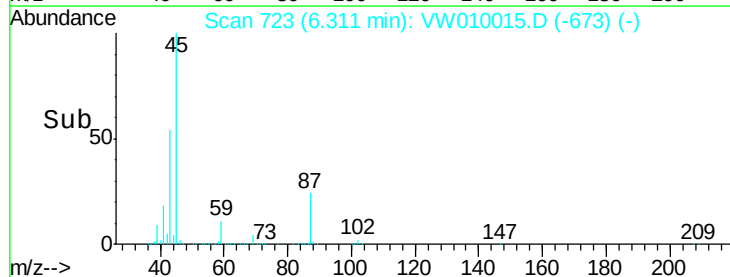
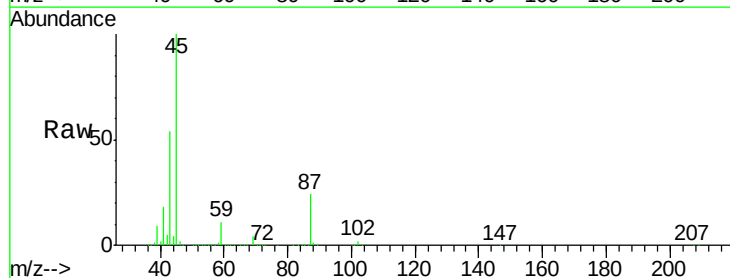
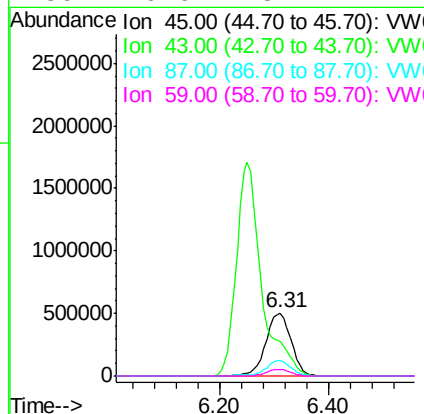
RT: 6.31 min Scan# 723

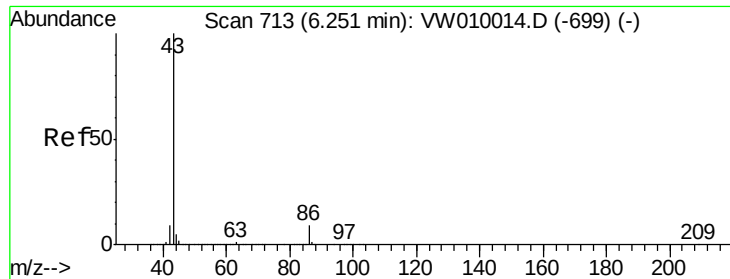
Delta R.T. 0.01 min

Lab File: VW010015.D

Acq: 17 Apr 2019 12:44

Tgt Ion:	45	Resp:	1621397
Ion	Ratio	Lower	Upper
45	100		
43	54.2	46.1	69.1
87	23.6	18.3	27.5
59	10.6	8.2	12.4





#23

Vinyl Acetate

Concen: 551.415 ug/l

RT: 6.25 min Scan# 713

Delta R.T. -0.00 min

Lab File: VW010015.D

Acq: 17 Apr 2019 12:44

Tot Ion: 43 Resp: 5496004

Ion Ratio Lower Upper

43 100

86 9.1 7.0 10.6

Instrument :

MSVOA_W

ClientSampleId :

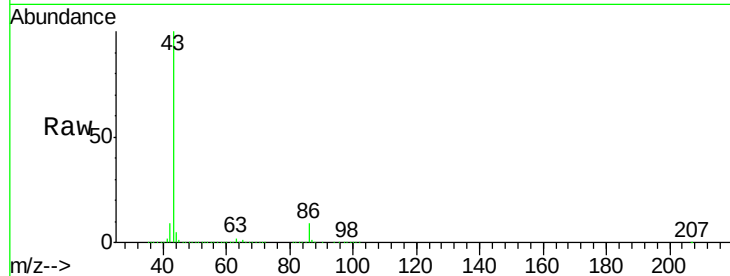
VSTDIC100

Manual Integrations

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MMDadoda

4/18/2019 11:40:17 AM



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 86.00 (85.70 to 86.70): VW

2000000

1500000

1000000

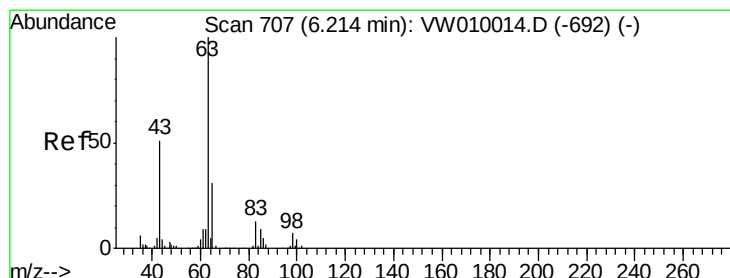
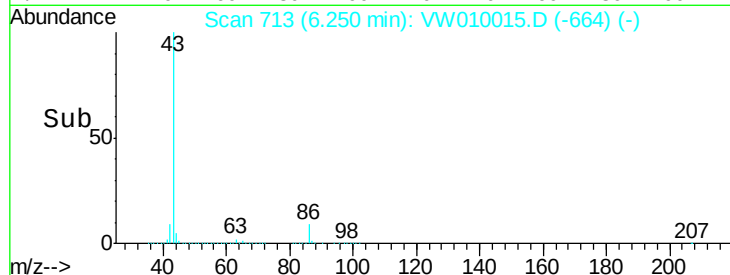
500000

0

6.25

6.20 6.40

Time-->



#24

1,1-Dichloroethane

Concen: 99.711 ug/l

RT: 6.21 min Scan# 706

Delta R.T. -0.01 min

Lab File: VW010015.D

Acq: 17 Apr 2019 12:44

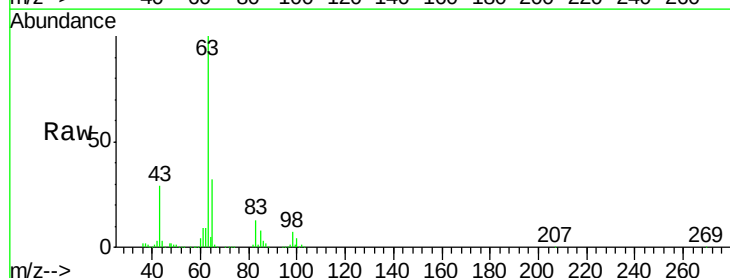
Tgt Ion: 63 Resp: 943759

Ion Ratio Lower Upper

63 100

98 6.7 3.3 9.8

100 4.4 2.0 6.0



Abundance Ion 62.90 (62.60 to 63.60): VW

Ion 97.90 (97.60 to 98.60): VW

Ion 99.90 (99.60 to 100.60): VW

400000

300000

200000

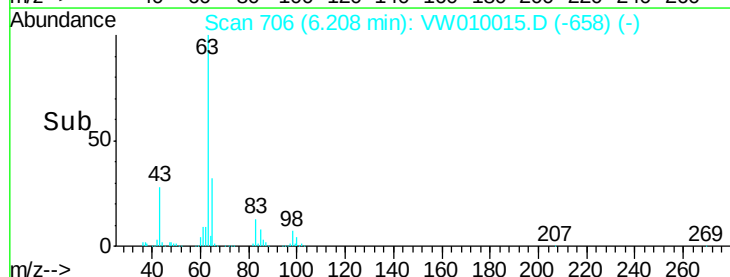
100000

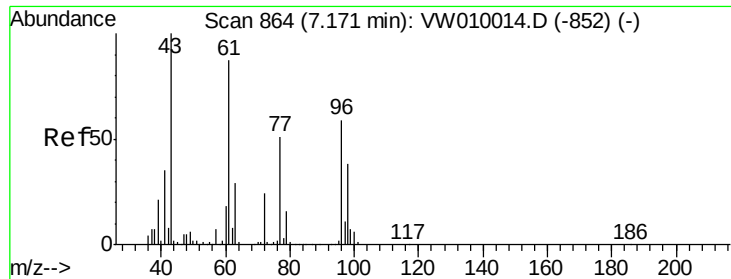
0

6.21

6.10 6.30

Time-->





#25

2-Butanone

Concen: 534.605 ug/l

RT: 7.16 min Scan# 863

Delta R.T. -0.01 min

Lab File: VW010015.D

Acq: 17 Apr 2019 12:44

Instrument :

MSVOA_W

ClientSampled :

VSTDIC100

Tot Ion: 43 Resp: 893006

Ion Ratio Lower Upper

43 100

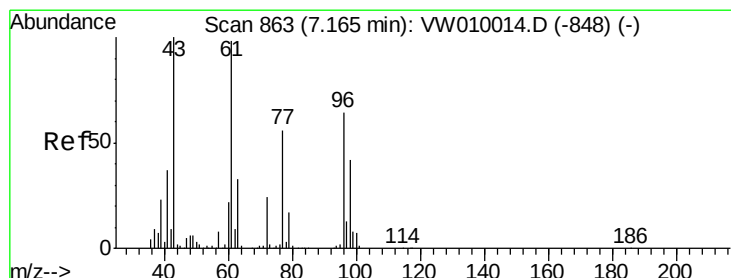
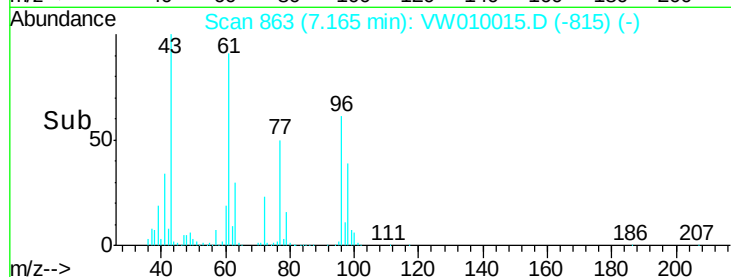
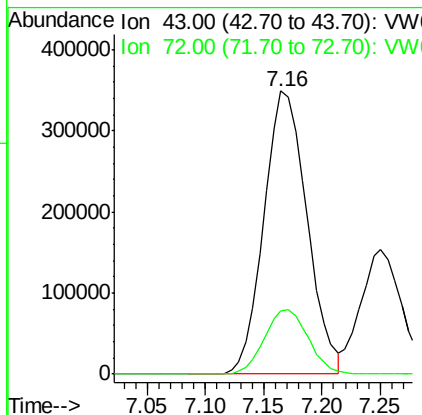
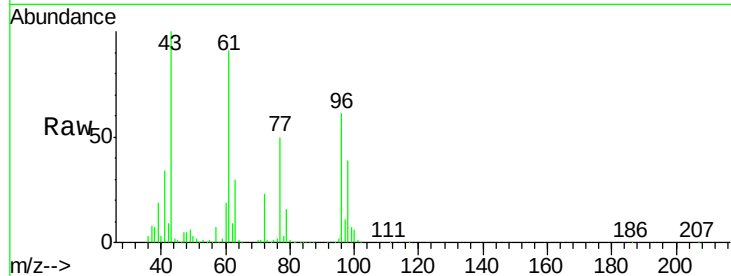
72 22.5 19.1 28.7

Manual Integrations

APPROVED

MMDadoda

4/18/2019 11:40:17 AM



#26

2,2-Dichloropropane

Concen: 96.905 ug/l

RT: 7.16 min Scan# 862

Delta R.T. -0.01 min

Lab File: VW010015.D

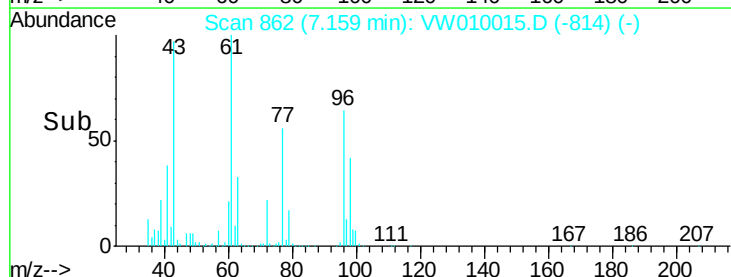
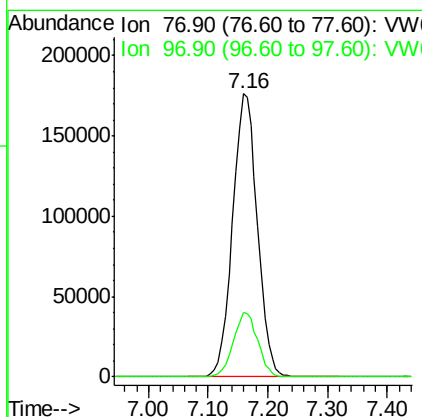
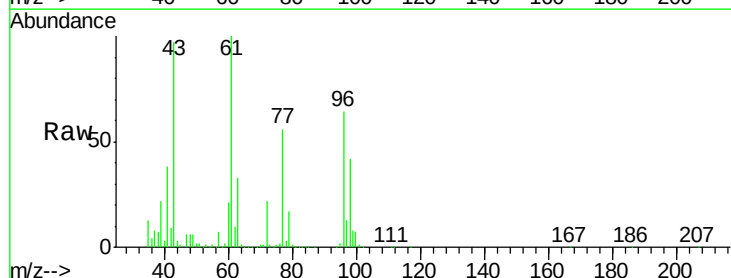
Acq: 17 Apr 2019 12:44

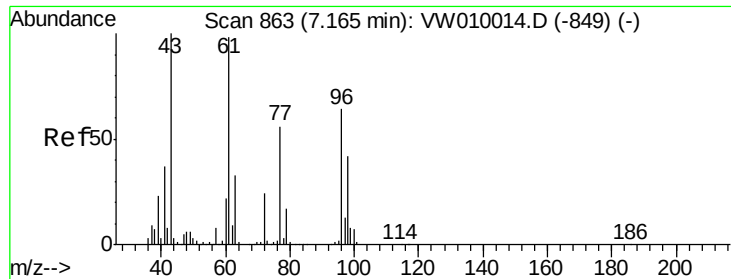
Tgt Ion: 77 Resp: 507447

Ion Ratio Lower Upper

77 100

97 22.3 11.3 33.9





#27

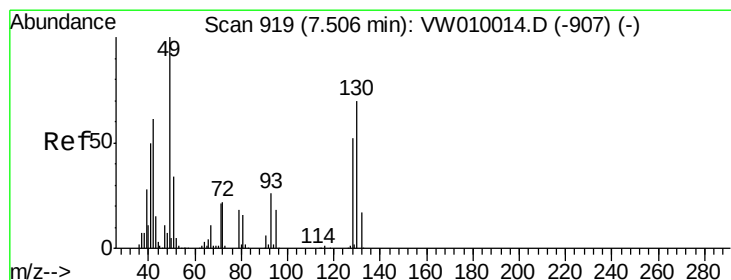
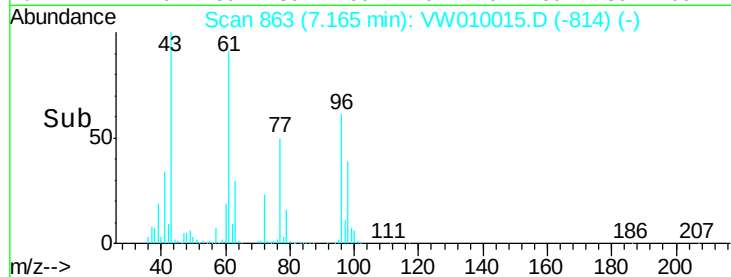
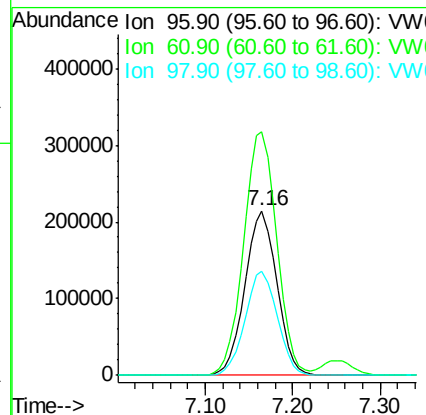
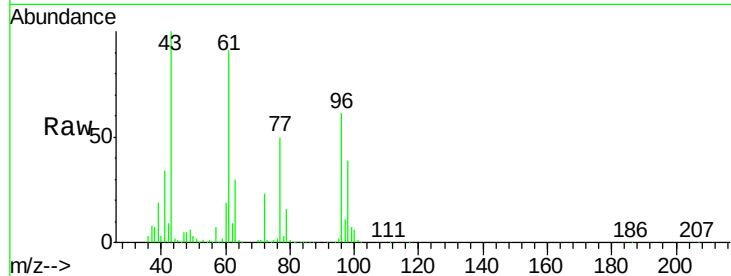
cis-1,2-Dichloroethene
Concen: 104.436 ug/l
RT: 7.16 min Scan# 863
Delta R.T. -0.00 min
Lab File: VW010015.D
Acq: 17 Apr 2019 12:44

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Resp	Lower	Upper
96	100	546065		
61	153.1	0.0	309.4	
98	64.0	0.0	128.6	

Manual Integrations
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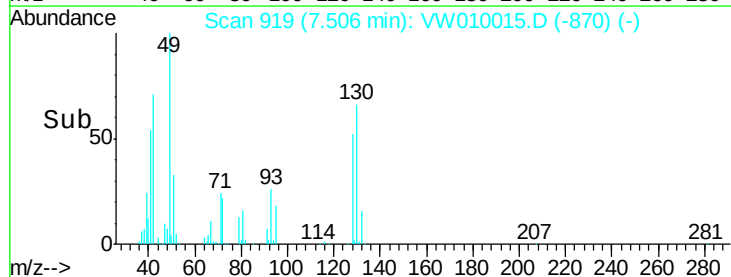
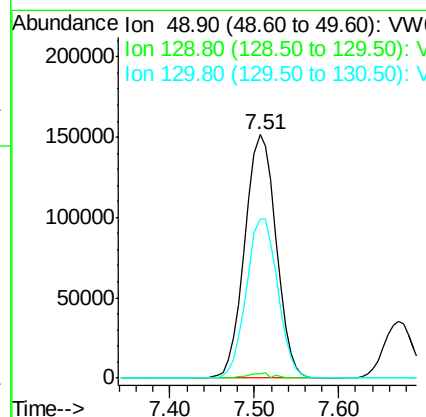
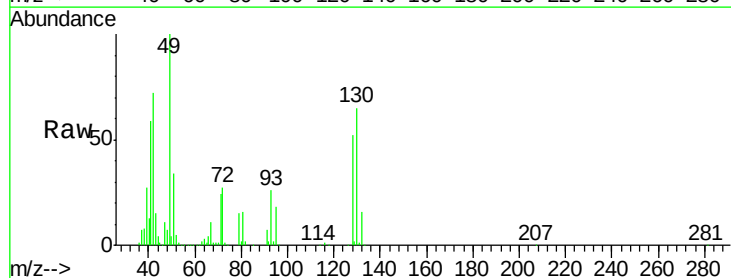
MMDadoda
4/18/2019 11:40:17 AM

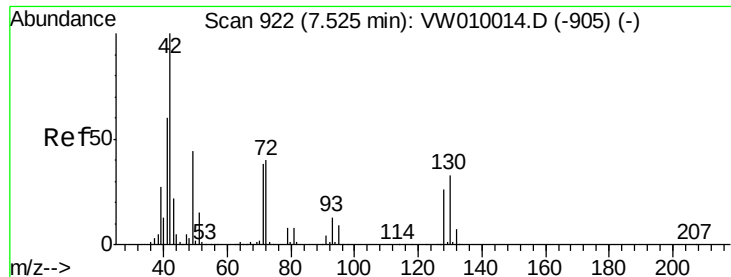


#28

Bromochloromethane
Concen: 98.650 ug/l
RT: 7.51 min Scan# 919
Delta R.T. -0.00 min
Lab File: VW010015.D
Acq: 17 Apr 2019 12:44

Tgt Ion	Ratio	Resp	Lower	Upper
49	100	381580		
129	1.6	0.0	3.8	
130	65.5	54.6	82.0	





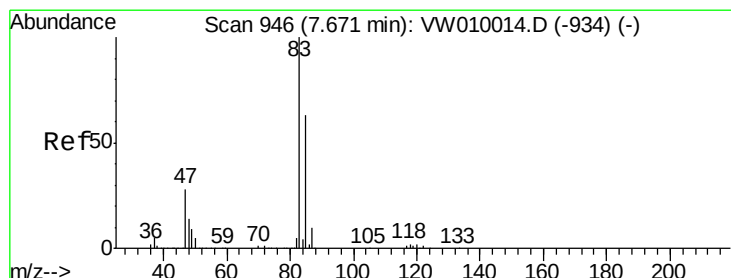
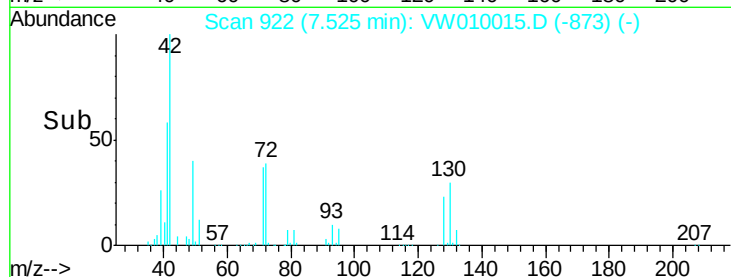
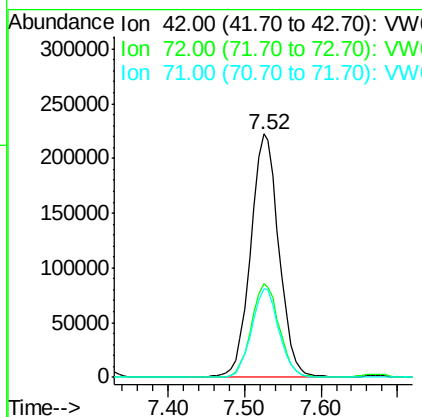
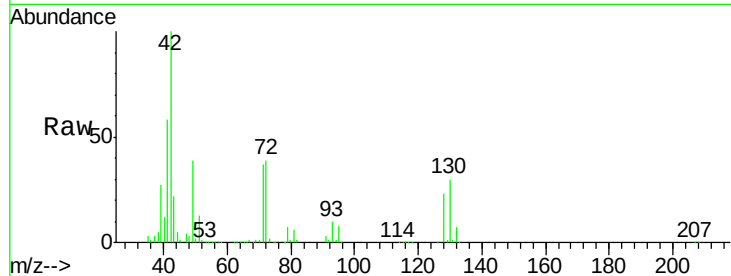
#29
Tetrahydrofuran
Concen: 539.514 ug/l
RT: 7.52 min Scan# 922
Delta R.T. -0.00 min
Lab File: VW010015.D
Acq: 17 Apr 2019 12:44

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC100

Tot Ion:	42	Resp:	571034
Ion	Ratio	Lower	Upper
42	100		
72	38.2	31.0	46.6
71	35.6	29.7	44.5

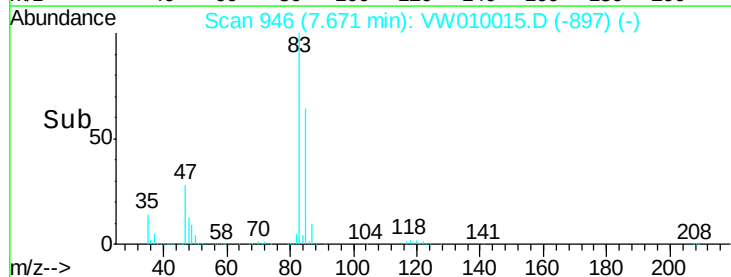
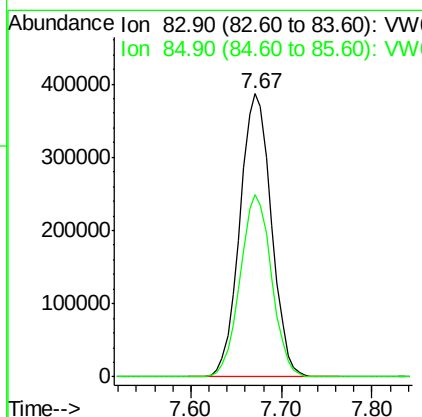
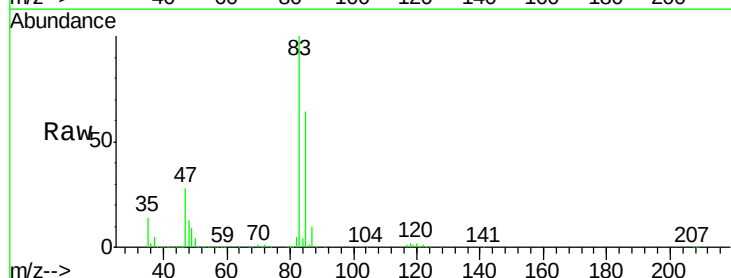
Manual Integrations
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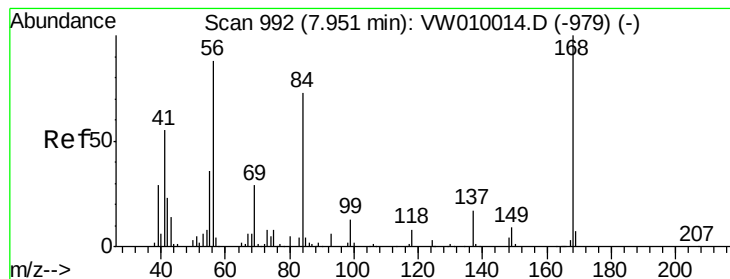
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#30
Chloroform
Concen: 98.424 ug/l
RT: 7.67 min Scan# 946
Delta R.T. -0.00 min
Lab File: VW010015.D
Acq: 17 Apr 2019 12:44

Tgt Ion:	83	Resp:	933459
Ion	Ratio	Lower	Upper
83	100		
85	64.2	50.7	76.1





#31

Cyclohexane

Concen: 99.920 ug/l

RT: 7.95 min Scan# 992

Delta R.T. -0.00 min

Lab File: VW010015.D

Acq: 17 Apr 2019 12:44

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC100

Tot Ion: 56 Resp: 885609

Ion Ratio Lower Upper

56 100

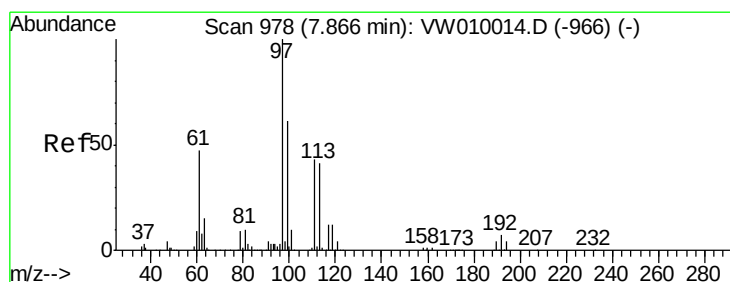
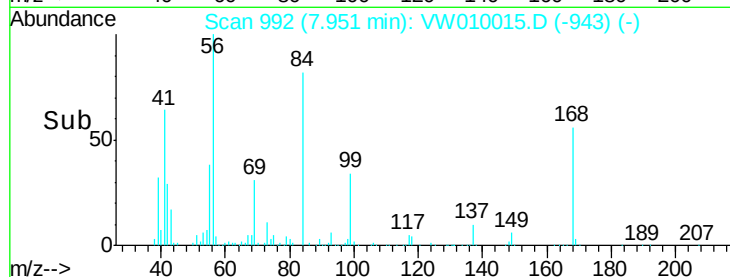
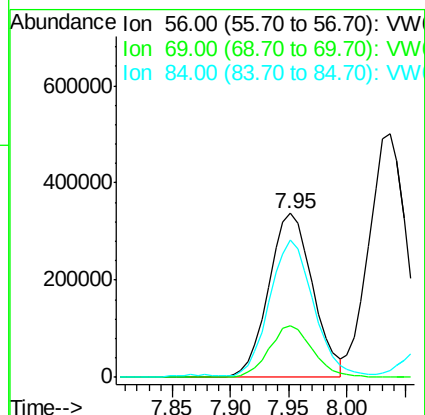
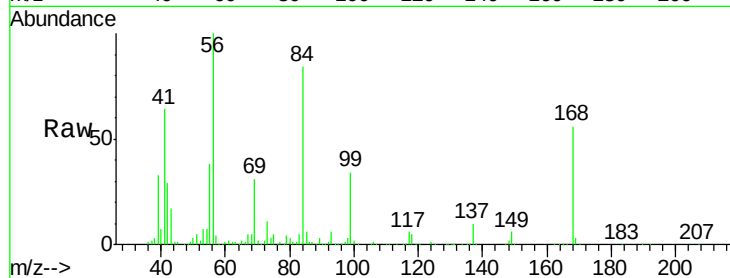
69 31.3 26.6 40.0

84 82.5 66.2 99.2

Manual Integrations
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#32

1,1,1-Trichloroethane

Concen: 98.380 ug/l

RT: 7.87 min Scan# 978

Delta R.T. -0.00 min

Lab File: VW010015.D

Acq: 17 Apr 2019 12:44

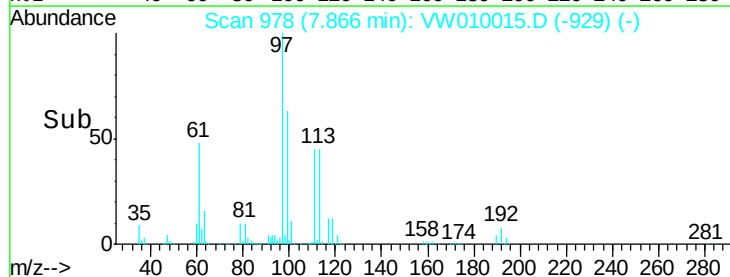
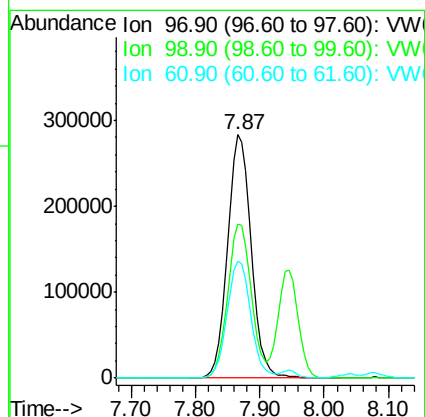
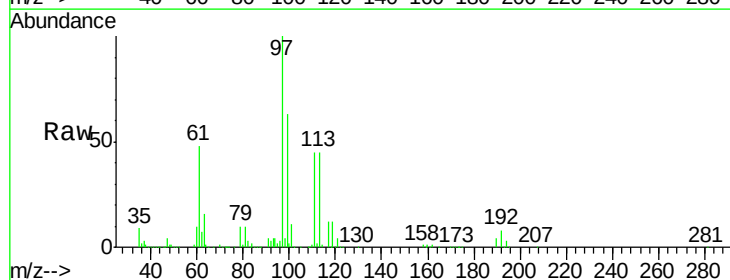
Tgt Ion: 97 Resp: 732476

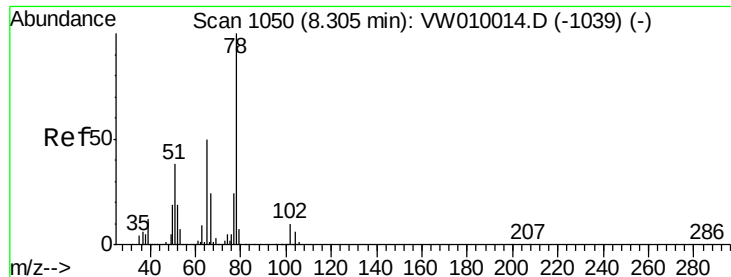
Ion Ratio Lower Upper

97 100

99 63.3 50.2 75.2

61 48.3 38.2 57.2





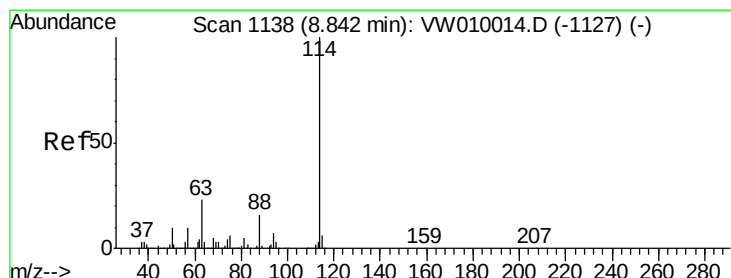
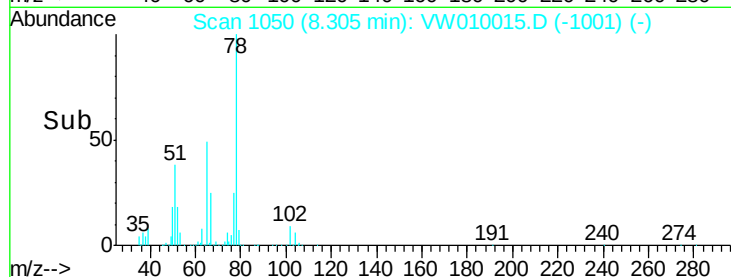
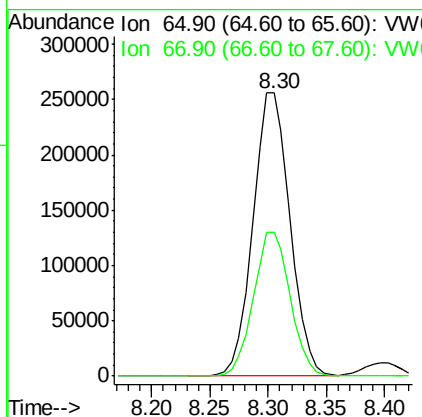
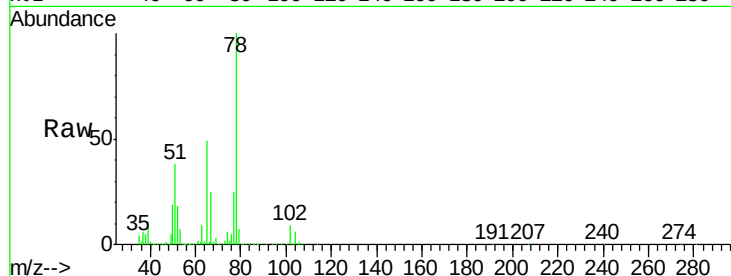
#33
 1,2-Dichloroethane-d4
 Concen: 103.440 ug/l
 RT: 8.30 min Scan# 1050
 Delta R.T. -0.00 min
 Lab File: VW010015.D
 Acq: 17 Apr 2019 12:44

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC100

Tot Ion	Ratio	Resp	Lower	Upper
65	100			
67	50.6	0.0	100.8	

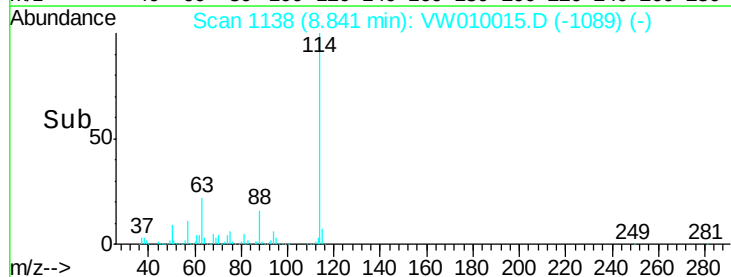
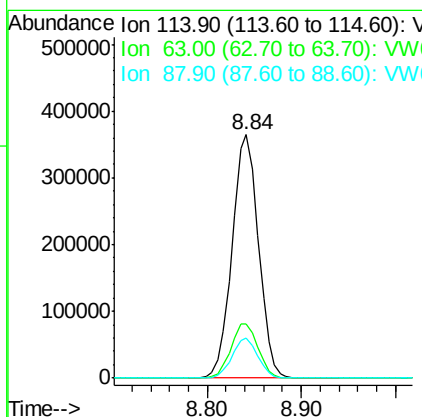
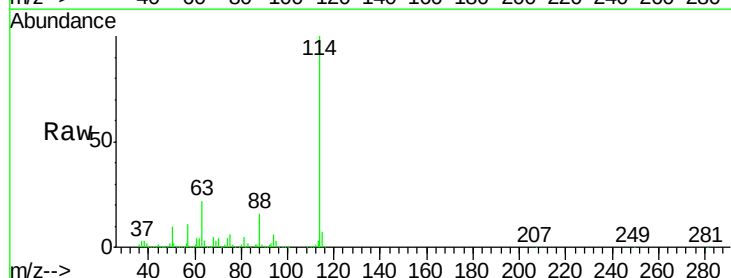
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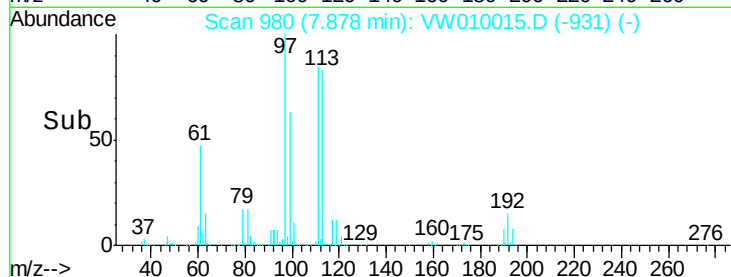
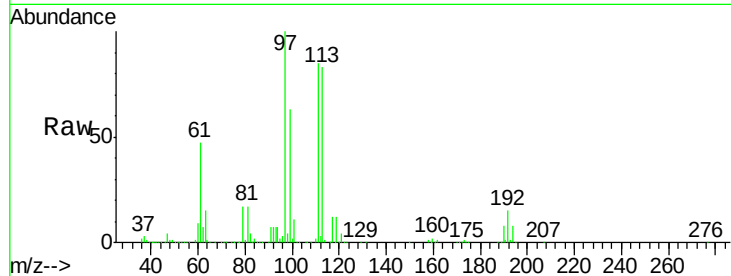
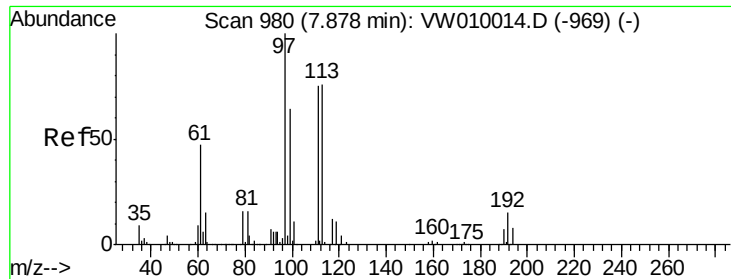
MMDadoda
 4/18/2019 11:40:17 AM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1138
 Delta R.T. -0.00 min
 Lab File: VW010015.D
 Acq: 17 Apr 2019 12:44

Tgt Ion	Ratio	Resp	Lower	Upper
114	100			
63	22.3	0.0	46.2	
88	16.4	0.0	32.6	





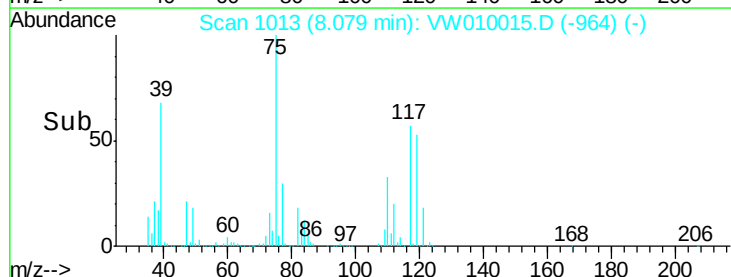
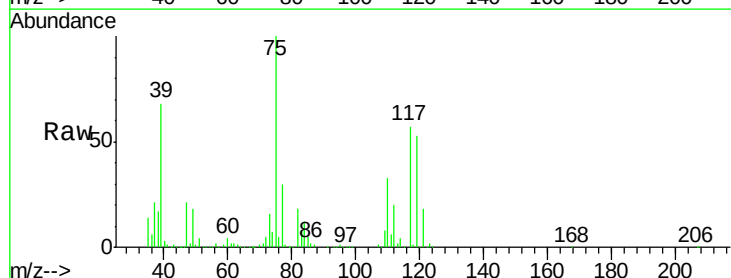
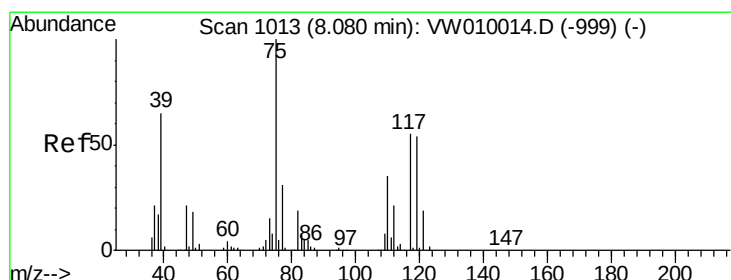
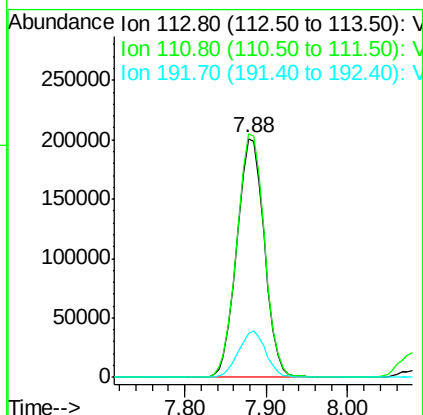
#35
Dibromofluoromethane
Concen: 104.222 ug/l
RT: 7.88 min Scan# 980
Delta R.T. -0.00 min
Lab File: VW010015.D
Acq: 17 Apr 2019 12:44

Tot Ion	Ratio	Resp	Lower	Upper
113	100	469411		
111	102.5	82.6	123.8	
192	19.1	15.4	23.2	

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC100

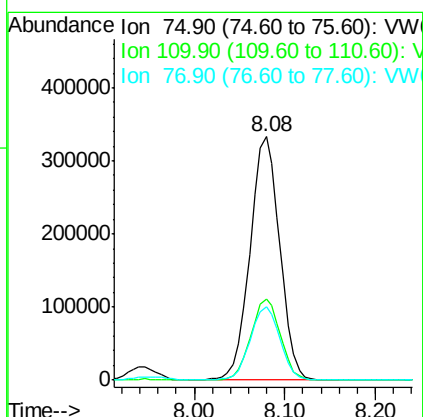
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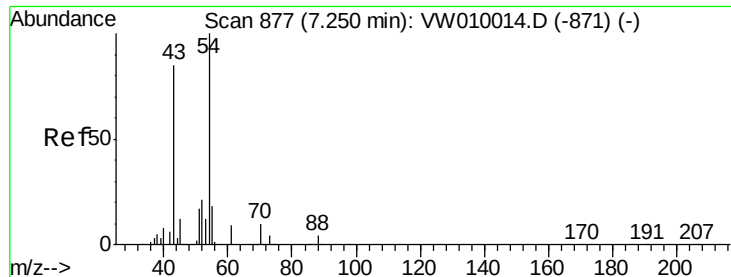
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#36
1,1-Dichloropropene
Concen: 103.958 ug/l
RT: 8.08 min Scan# 1013
Delta R.T. -0.00 min
Lab File: VW010015.D
Acq: 17 Apr 2019 12:44

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	752290		
110	33.1	16.6	49.8	
77	30.5	24.8	37.2	





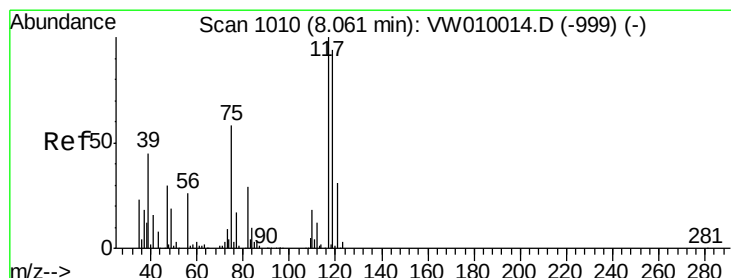
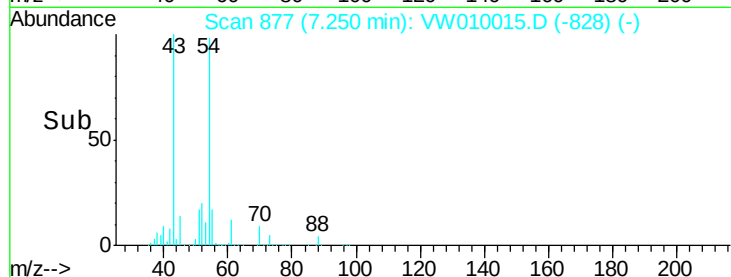
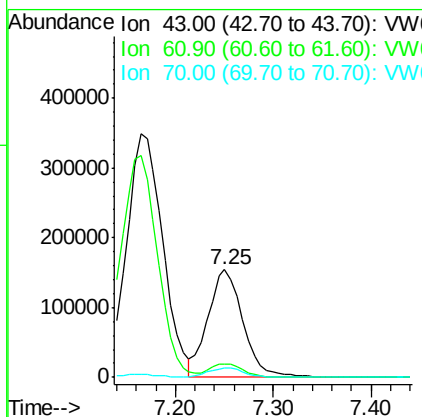
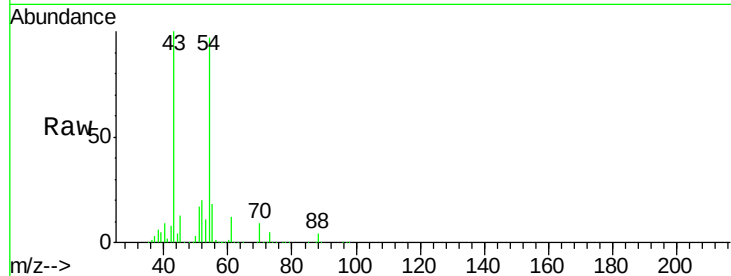
#37
Ethyl Acetate
Concen: 103.759 ug/l
RT: 7.25 min Scan# 877
Delta R.T. -0.00 min
Lab File: VW010015.D
Acq: 17 Apr 2019 12:44

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Lower	Upper
43	100		
61	12.3	9.8	14.8
70	9.2	7.4	11.0

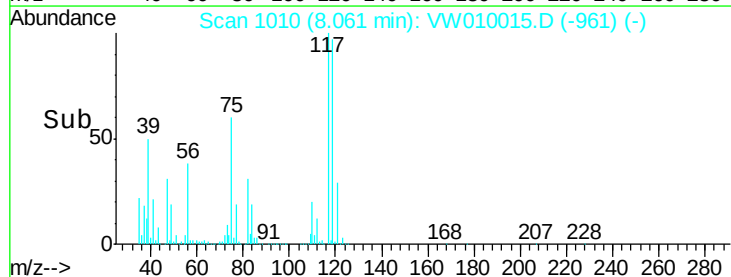
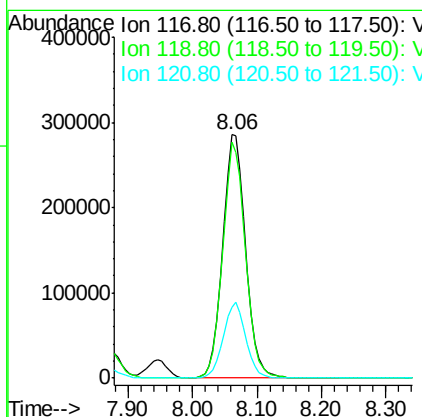
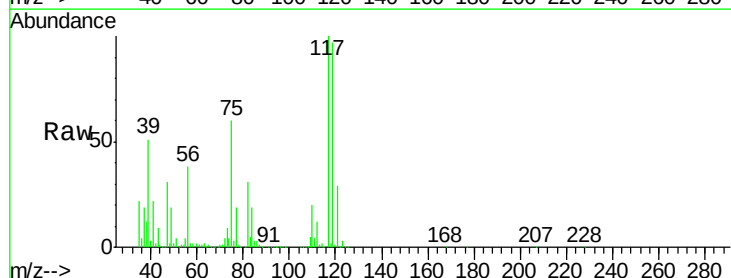
Manual Integrations
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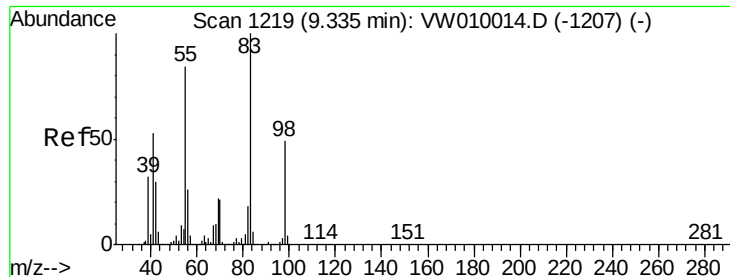
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#38
Carbon Tetrachloride
Concen: 101.582 ug/l
RT: 8.06 min Scan# 1010
Delta R.T. -0.00 min
Lab File: VW010015.D
Acq: 17 Apr 2019 12:44

Tgt Ion	Ratio	Lower	Upper
117	100		
119	96.7	75.3	112.9
121	29.3	24.4	36.6





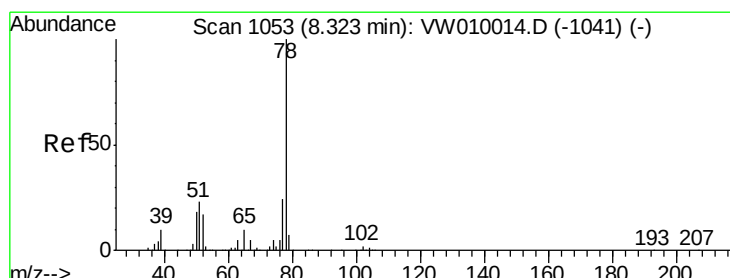
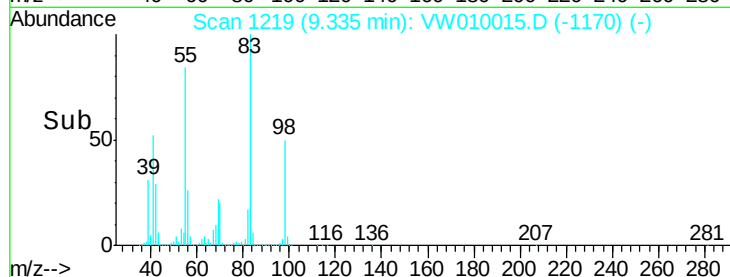
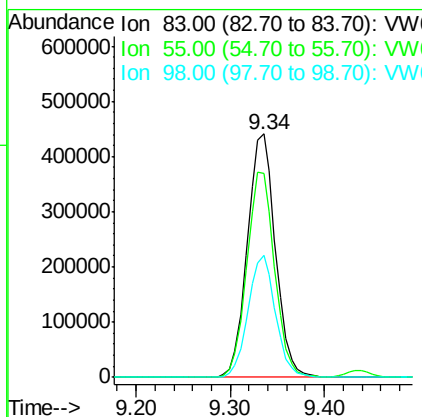
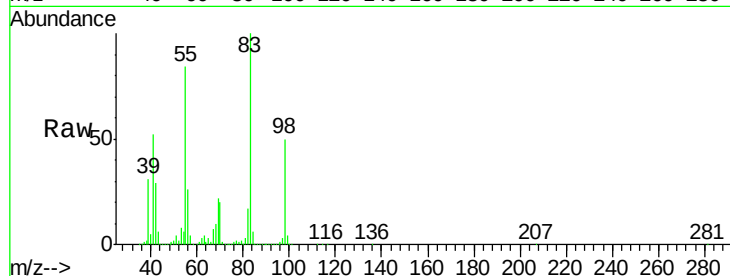
#39
Methylvlcyclohexane
Concen: 113.411 ug/l
RT: 9.34 min Scan# 1219
Delta R.T. -0.00 min
Lab File: VW010015.D
Acq: 17 Apr 2019 12:44

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Lower	Upper
83	100		
55	83.6	67.1	100.7
98	50.2	39.2	58.8

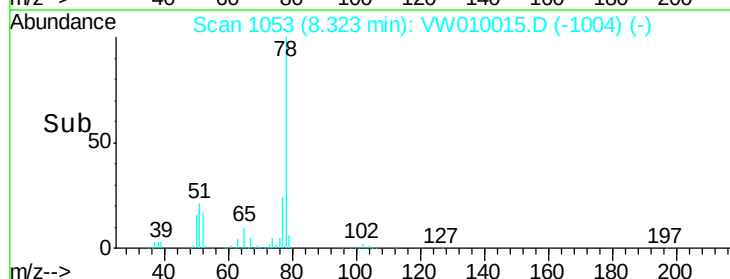
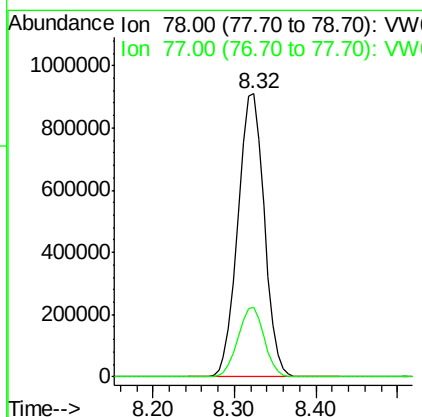
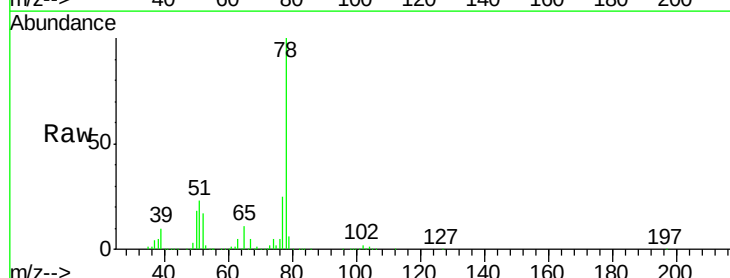
Manual Integrations
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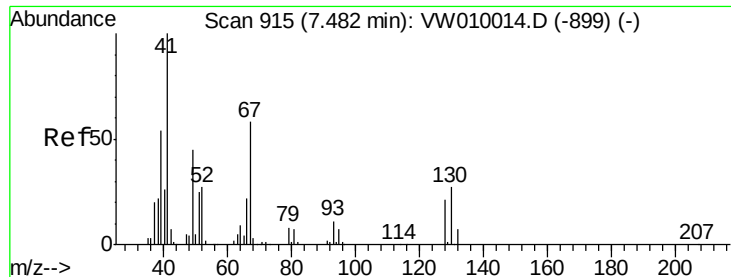
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#40
Benzene
Concen: 102.674 ug/l
RT: 8.32 min Scan# 1053
Delta R.T. -0.00 min
Lab File: VW010015.D
Acq: 17 Apr 2019 12:44

Tgt Ion	Ratio	Lower	Upper
78	100		
77	24.5	19.1	28.7





#41

Methacrylonitrile

Concen: 112.637 ug/l

RT: 7.48 min Scan# 915

Delta R.T. -0.00 min

Lab File: VW010015.D

Acq: 17 Apr 2019 12:44

Instrument :

MSVOA_W

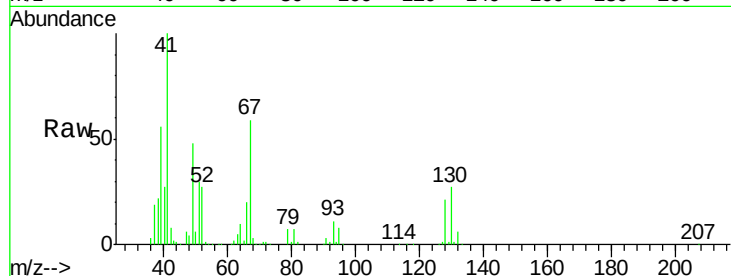
ClientSampleId :

VSTDIC100

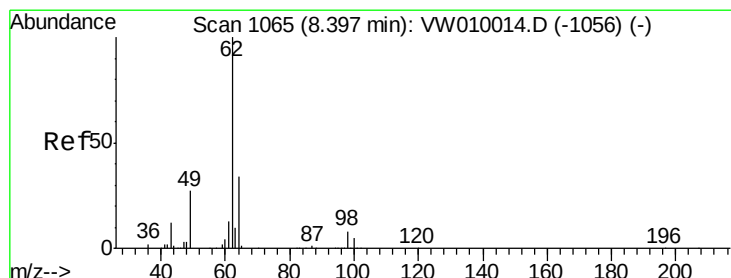
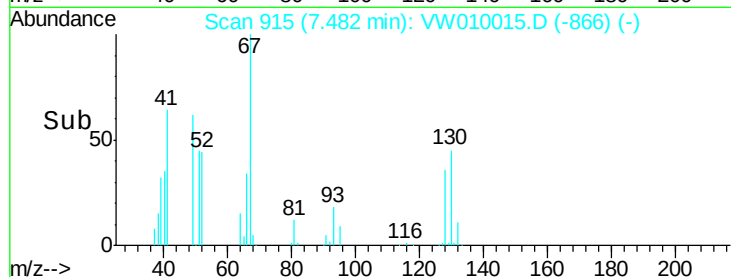
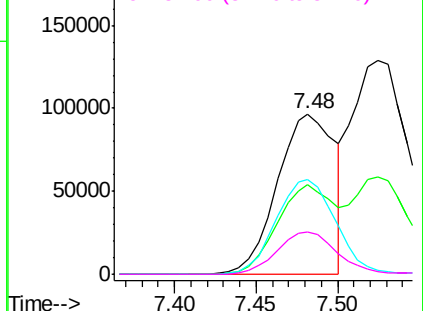
Tot Ion	Ion	Ratio	Resp	Lower	Upper
41	100		236058		
39	54.5	45.0	67.4		
67	61.4	50.7	76.1		
52	27.6	22.6	33.8		

Manual Integrations
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Abundance Ion 41.00 (40.70 to 41.70): VW
Ion 39.00 (38.70 to 39.70): VW
Ion 67.00 (66.70 to 67.70): VW
Ion 52.00 (51.70 to 52.70): VW



#42

1,2-Dichloroethane

Concen: 99.320 ug/l

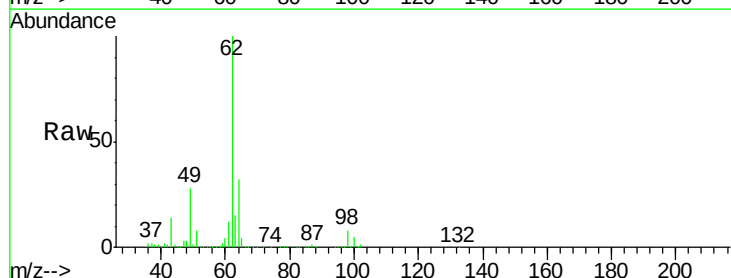
RT: 8.40 min Scan# 1065

Delta R.T. -0.00 min

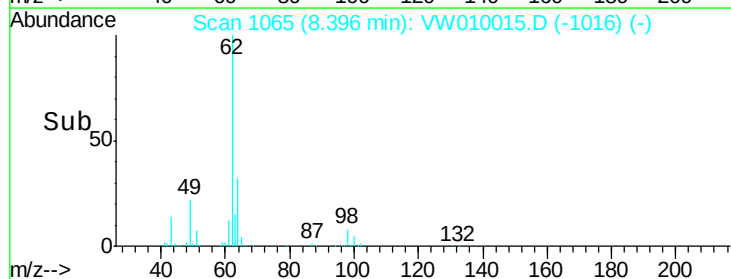
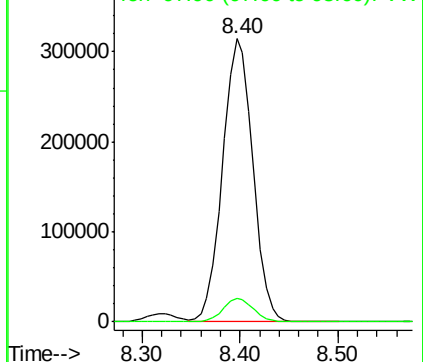
Lab File: VW010015.D

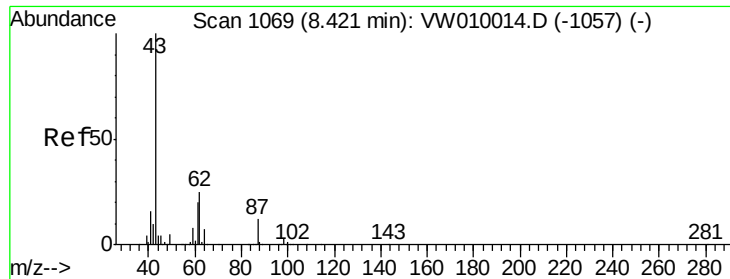
Acq: 17 Apr 2019 12:44

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
62	100		675360		
98	8.3	0.0	16.6		



Abundance Ion 61.90 (61.60 to 62.60): VW
Ion 97.90 (97.60 to 98.60): VW





#43

Isopropyl Acetate

Concen: 107.316 ug/l

RT: 8.42 min Scan# 1069

Delta R.T. -0.00 min

Lab File: VW010015.D

Acq: 17 Apr 2019 12:44

Instrument :

MSVOA_W

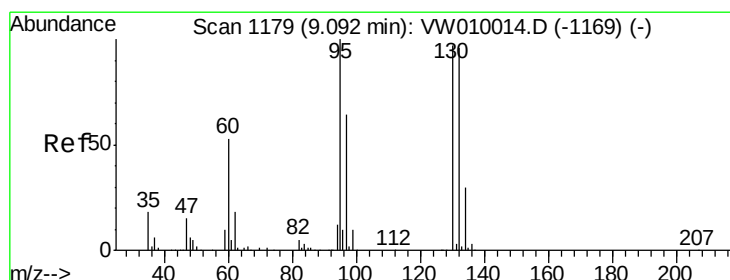
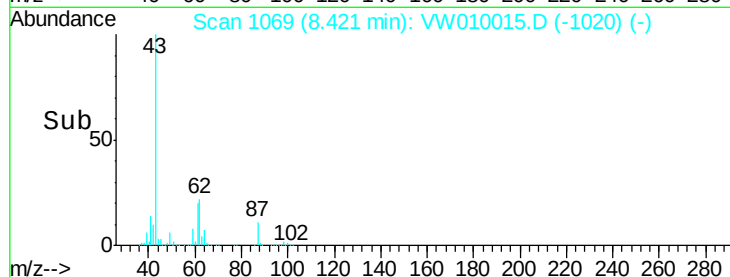
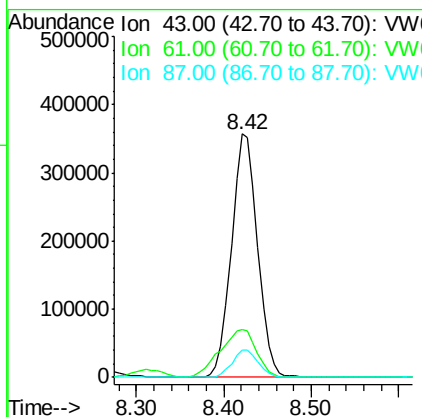
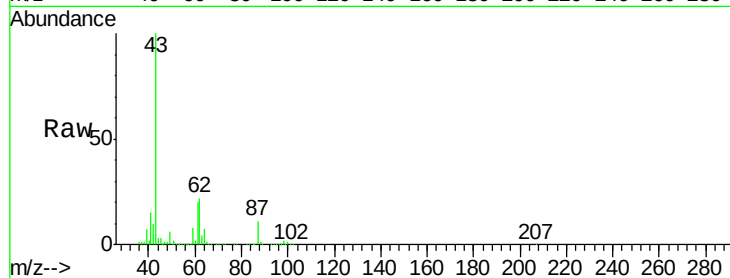
ClientSampleId :

VSTDIC100

Tot Ion:	43	Resp:	739473
Ion	Ratio	Lower	Upper
43	100		
61	27.4	23.0	34.6
87	11.2	9.3	13.9

Manual Integrations
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4/18/2019 11:40:17 AM



#44

Trichloroethene

Concen: 103.656 ug/l

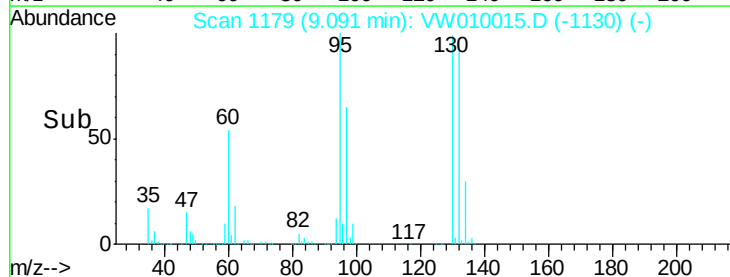
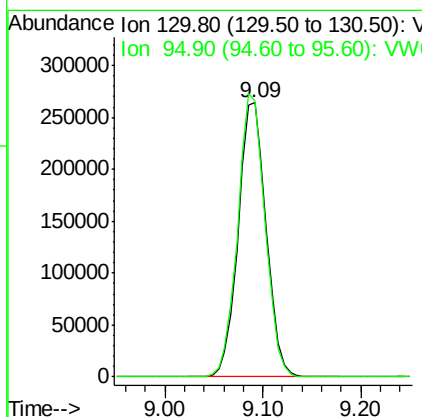
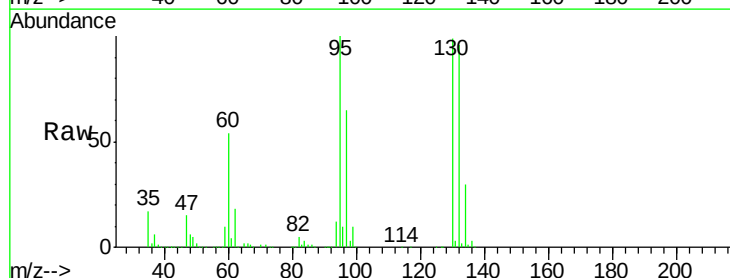
RT: 9.09 min Scan# 1179

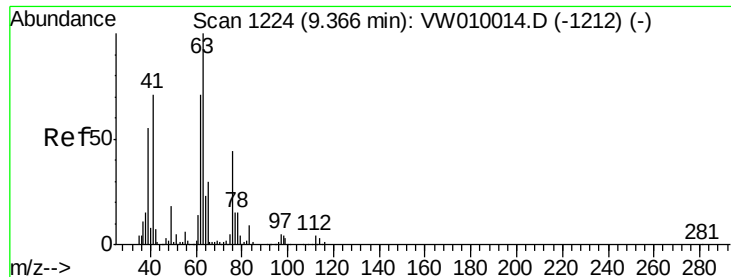
Delta R.T. -0.00 min

Lab File: VW010015.D

Acq: 17 Apr 2019 12:44

Tgt Ion:	130	Resp:	520925
Ion	Ratio	Lower	Upper
130	100		
95	100.8	0.0	205.4





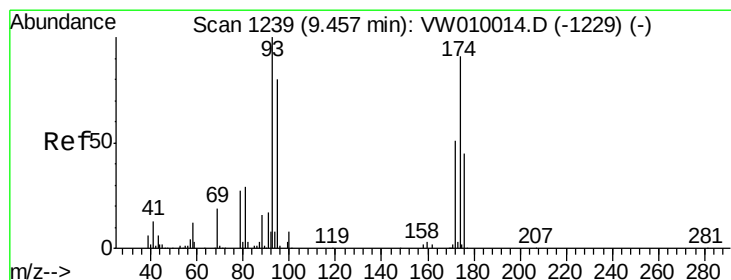
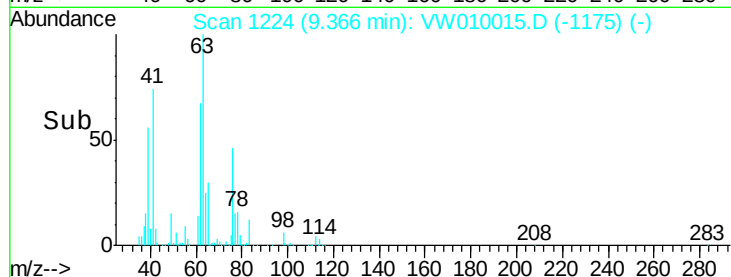
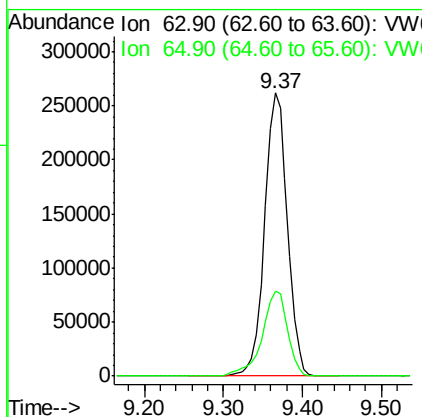
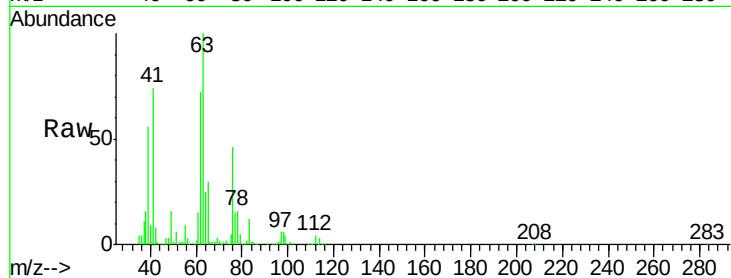
#45
 1,2-Dichloropropane
 Concen: 100.677 ug/l
 RT: 9.37 min Scan# 1224
 Delta R.T. -0.00 min
 Lab File: VW010015.D
 Acq: 17 Apr 2019 12:44

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC100

Tot Ion	Ratio	Lower	Upper
63	100		
65	29.9	23.8	35.6

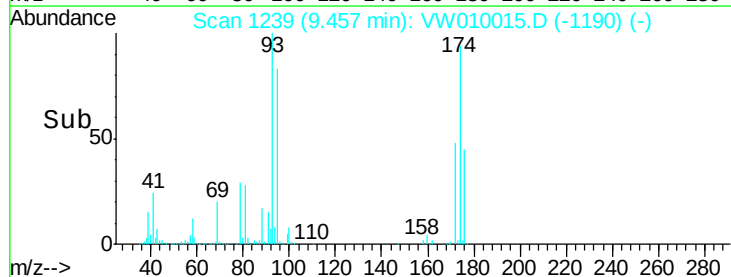
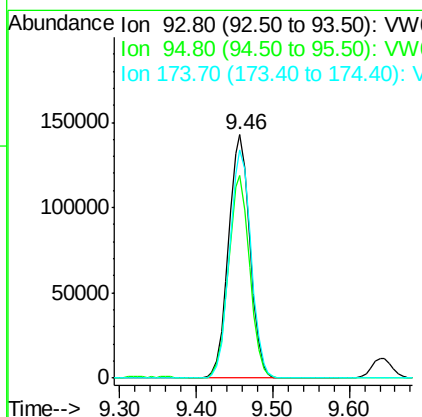
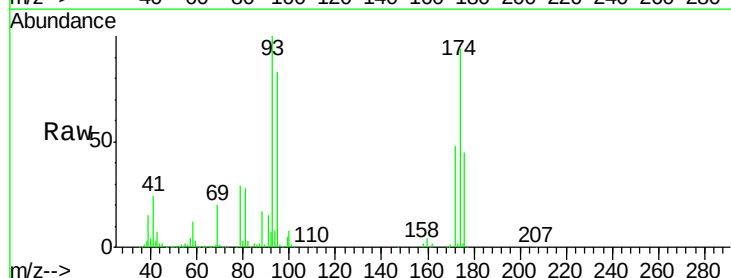
Manual Integrations
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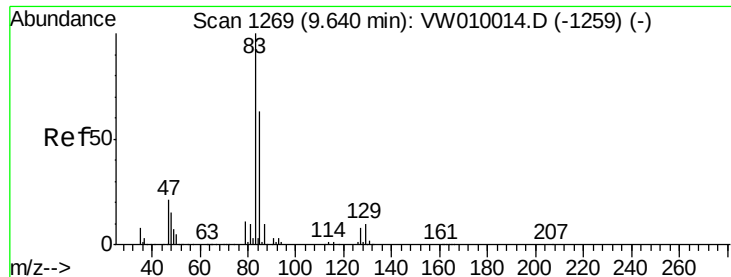
MMDadoda
 4/18/2019 11:40:17 AM



#46
 Dibromomethane
 Concen: 102.135 ug/l
 RT: 9.46 min Scan# 1239
 Delta R.T. -0.00 min
 Lab File: VW010015.D
 Acq: 17 Apr 2019 12:44

Tgt Ion	Ratio	Lower	Upper
93	100		
95	82.2	65.8	98.8
174	94.1	75.5	113.3





#47

Bromodichloromethane

Concen: 103.280 ug/l

RT: 9.64 min Scan# 1269

Delta R.T. -0.00 min

Lab File: VW010015.D

Acq: 17 Apr 2019 12:44

Instrument :

MSVOA_W

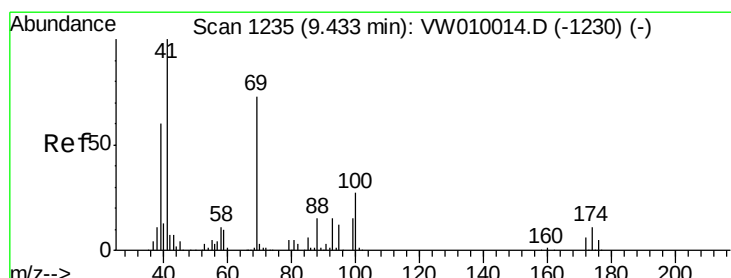
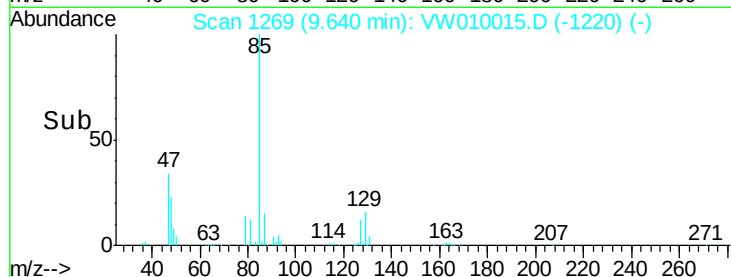
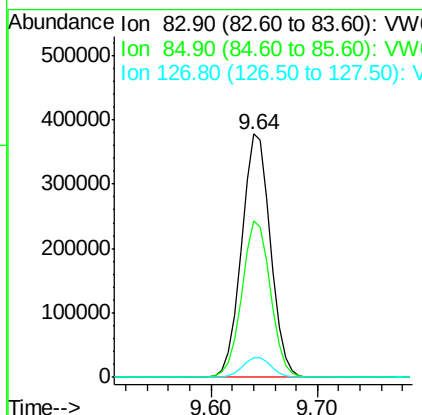
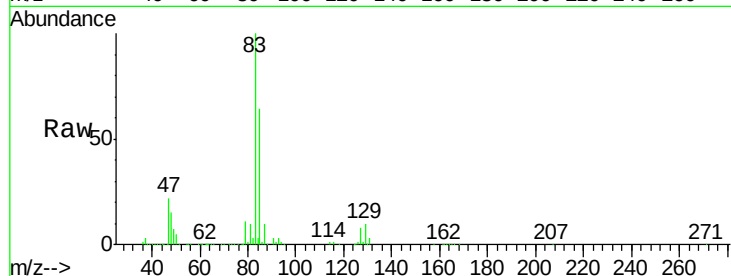
ClientSampleId :

VSTDIC100

Tot Ion:	83	Resp:	718667
Ion	Ratio	Lower	Upper
83	100		
85	64.1	50.6	75.8
127	8.0	6.6	10.0

Manual Integrations
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MMDadoda
4/18/2019 11:40:17 AM



#48

Methyl methacrylate

Concen: 106.680 ug/l

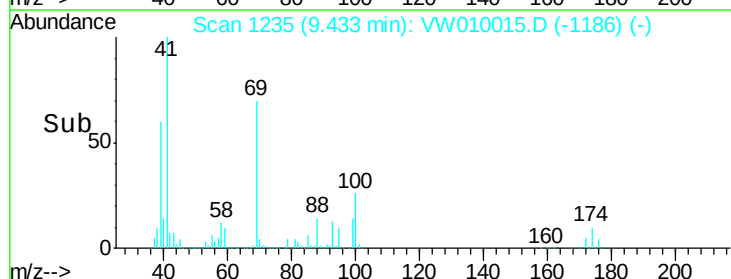
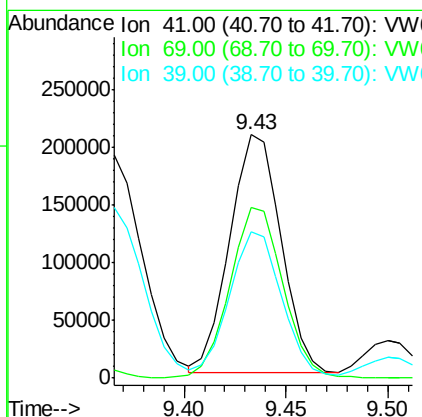
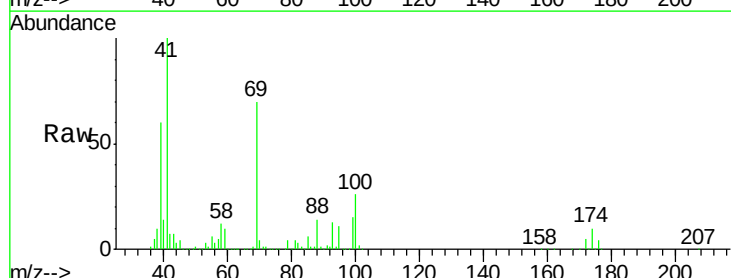
RT: 9.43 min Scan# 1235

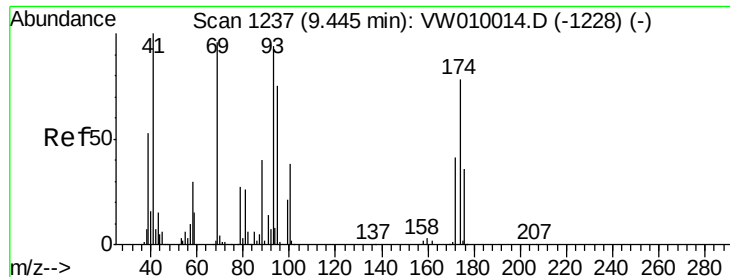
Delta R.T. -0.00 min

Lab File: VW010015.D

Acq: 17 Apr 2019 12:44

Tgt Ion:	41	Resp:	357825
Ion	Ratio	Lower	Upper
41	100		
69	75.3	60.1	90.1
39	60.4	51.0	76.6





#49

1,4-Dioxane

Concen: 2067.265 ug/l

RT: 9.44 min Scan# 1236

Delta R.T. -0.01 min

Lab File: VW010015.D

Acq: 17 Apr 2019 12:44

Instrument :

MSVOA_W

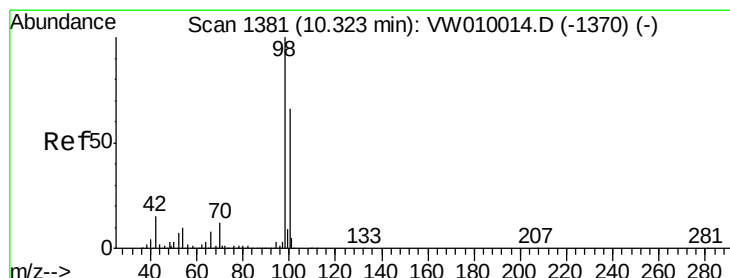
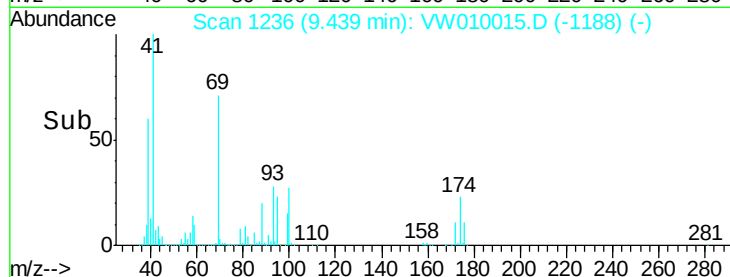
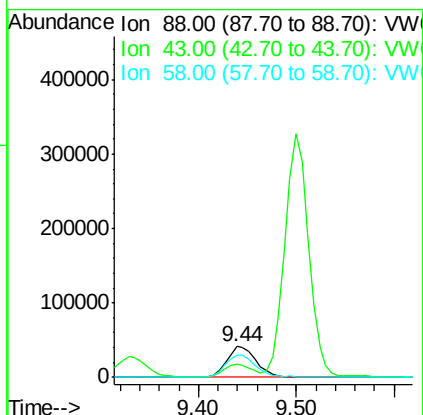
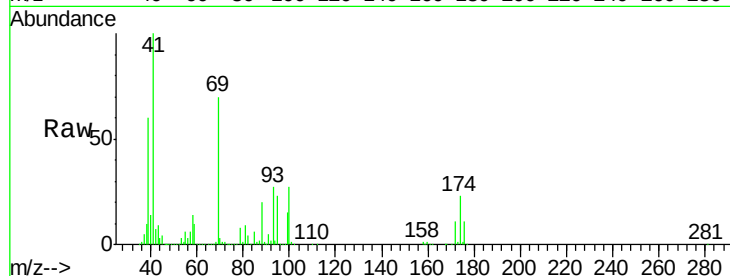
ClientSampleId :

VSTDIC100

Tot Ion:	88	Resp:	85147
Ion	Ratio	Lower	Upper
88	100		
43	40.0	31.9	47.9
58	77.1	61.8	92.6

Manual Integrations
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#50

Toluene-d8

Concen: 109.172 ug/l

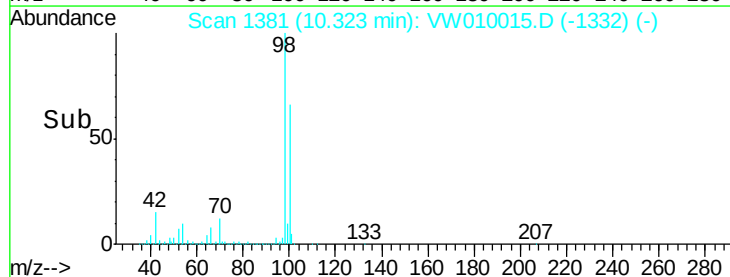
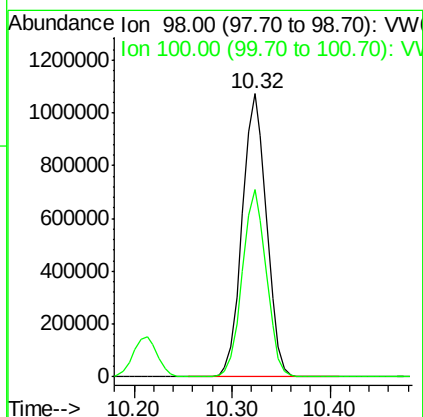
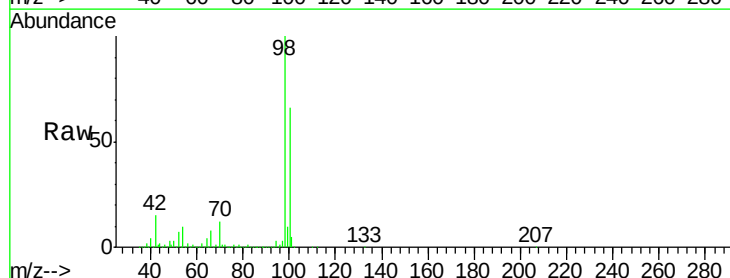
RT: 10.32 min Scan# 1381

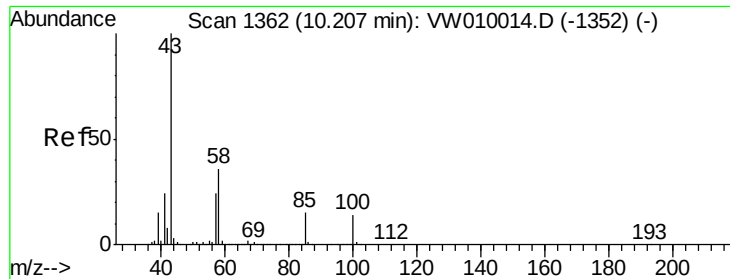
Delta R.T. -0.00 min

Lab File: VW010015.D

Acq: 17 Apr 2019 12:44

Tgt Ion:	98	Resp:	1842512
Ion	Ratio	Lower	Upper
98	100		
100	65.5	52.3	78.5





#51

4-Methyl-2-Pentanone

Concen: 535.869 ug/l

RT: 10.21 min Scan# 1362

Delta R.T. -0.00 min

Lab File: VW010015.D

Acq: 17 Apr 2019 12:44

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC100

Tot Ion: 43 Resp: 1933953

Ion Ratio Lower Upper

43 100

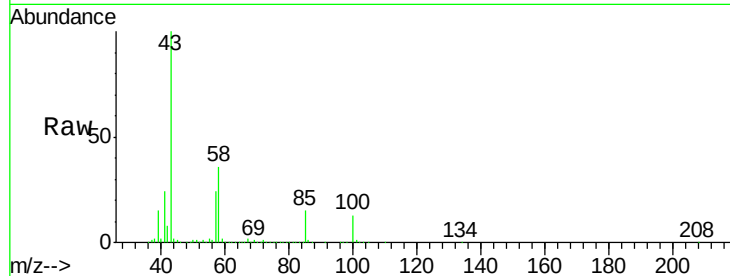
58 36.3 28.9 43.3

Manual Integrations

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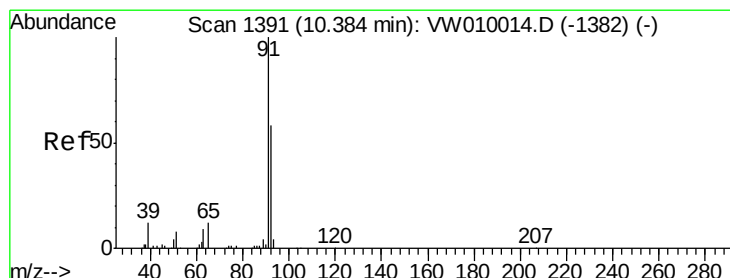
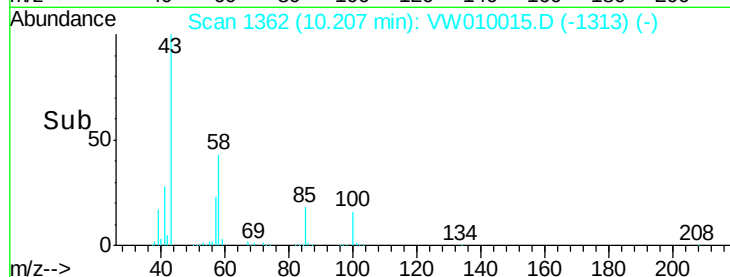
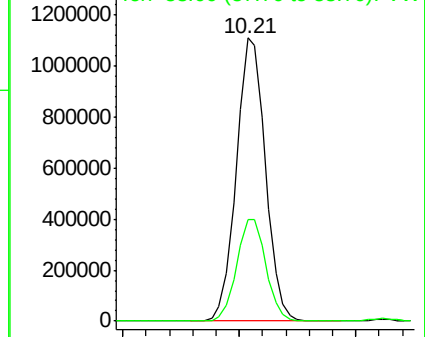
MMDadoda

4/18/2019 11:40:17 AM



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW



#52

Toluene

Concen: 104.992 ug/l

RT: 10.38 min Scan# 1391

Delta R.T. -0.00 min

Lab File: VW010015.D

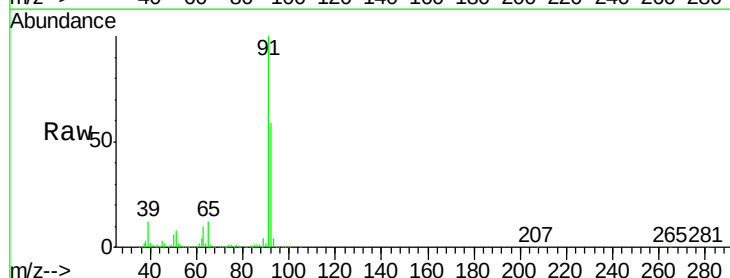
Acq: 17 Apr 2019 12:44

Tgt Ion: 92 Resp: 1294064

Ion Ratio Lower Upper

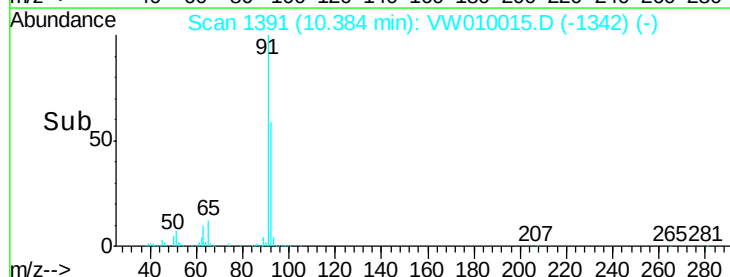
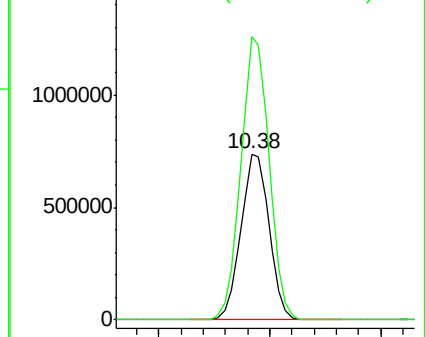
92 100

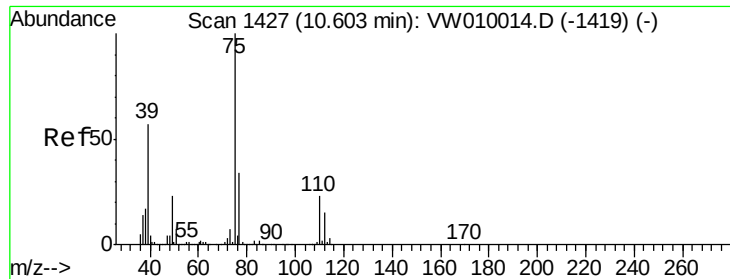
91 170.8 138.5 207.7



Abundance Ion 92.00 (91.70 to 92.70): VW

Ion 91.00 (90.70 to 91.70): VW





#53

t-1,3-Dichloropropene

Concen: 107.725 ug/l

RT: 10.60 min Scan# 1427

Delta R.T. -0.00 min

Lab File: VW010015.D

Acq: 17 Apr 2019 12:44

Instrument :

MSVOA_W

ClientSampleId :

VSTDICC100

Tot Ion: 75 Resp: 743189

Ion Ratio Lower Upper

75 100

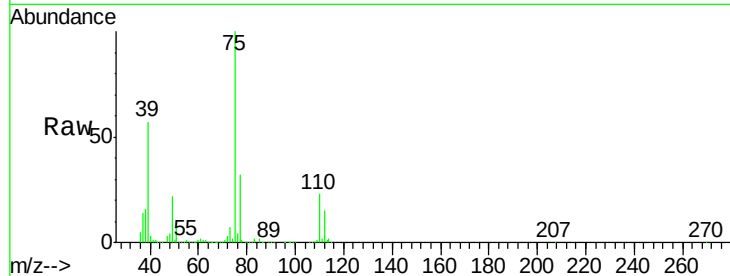
77 31.6 26.9 40.3

Manual Integrations

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Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 76.90 (76.60 to 77.60): VW

10.60

400000

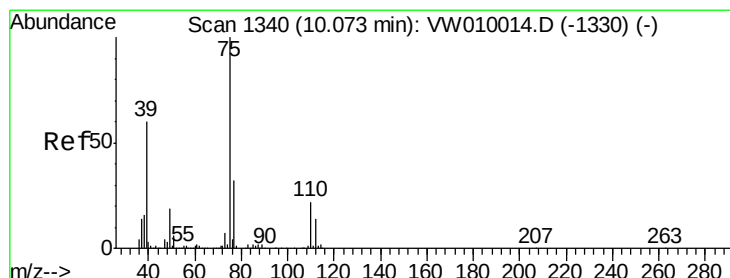
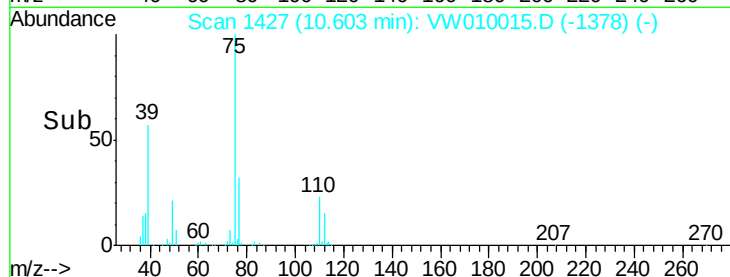
300000

200000

100000

0

Time--> 10.50 10.60 10.70



#54

cis-1,3-Dichloropropene

Concen: 107.545 ug/l

RT: 10.07 min Scan# 1340

Delta R.T. -0.00 min

Lab File: VW010015.D

Acq: 17 Apr 2019 12:44

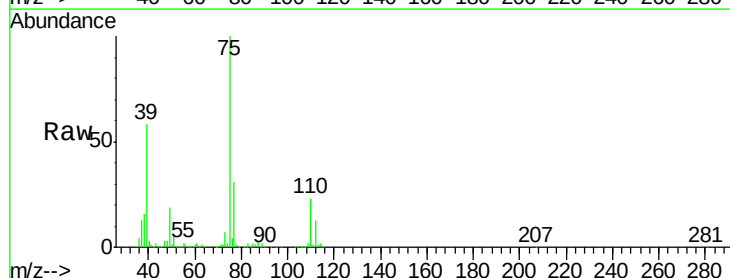
Tgt Ion: 75 Resp: 847203

Ion Ratio Lower Upper

75 100

77 31.3 25.6 38.4

39 58.4 47.8 71.6



Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 76.90 (76.60 to 77.60): VW

Ion 39.00 (38.70 to 39.70): VW

600000

500000

400000

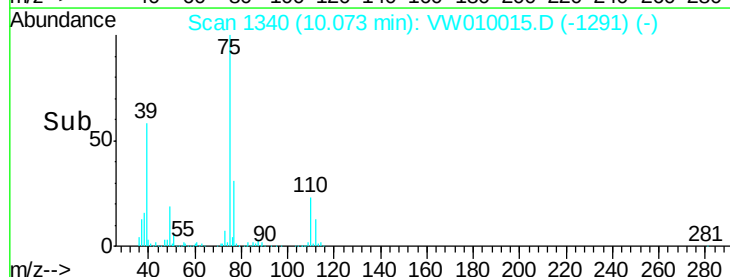
300000

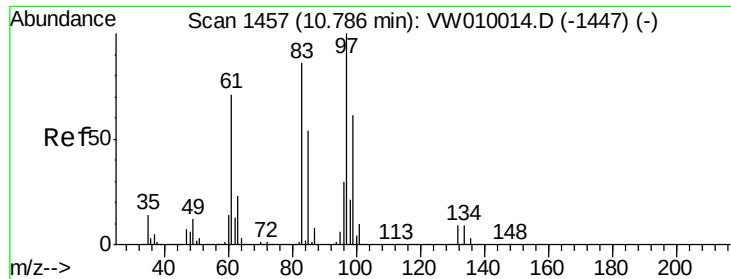
200000

100000

0

Time--> 10.00 10.10





#55

1,1,2-Trichloroethane

Concen: 100.747 ug/l

RT: 10.79 min Scan# 1457

Delta R.T. -0.00 min

Lab File: VW010015.D

Acq: 17 Apr 2019 12:44

Instrument :

MSVOA_W

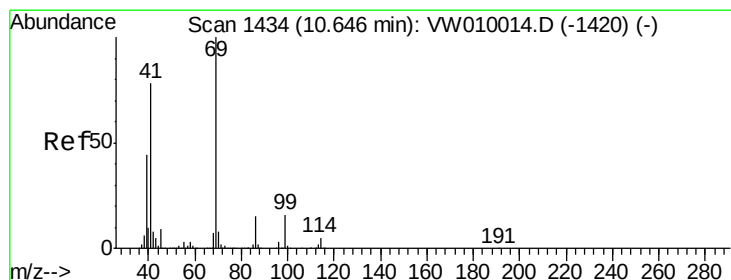
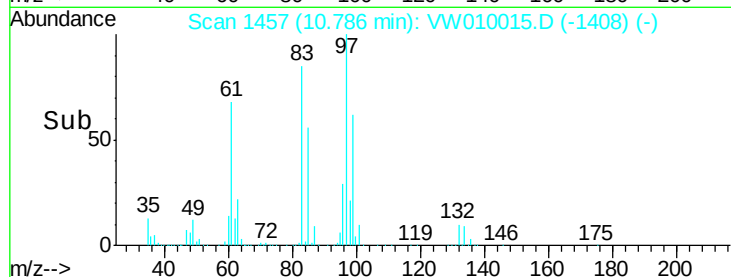
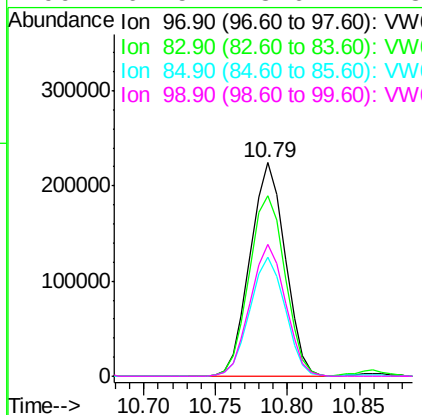
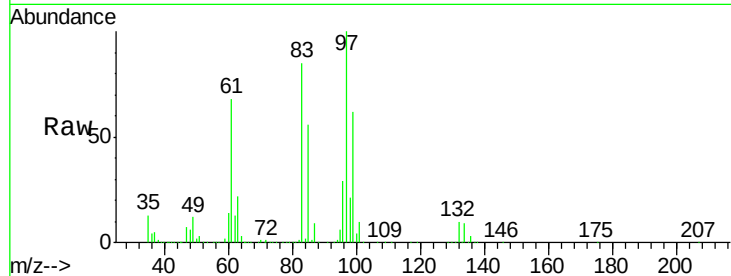
ClientSampleId :

VSTDIC100

Tot Ion:	97	Resp:	379044
Ion	Ratio	Lower	Upper
97	100		
83	84.6	68.9	103.3
85	55.6	42.9	64.3
99	61.5	48.6	72.8

Manual Integrations
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4/18/2019 11:40:17 AM



#56

Ethyl methacrylate

Concen: 117.953 ug/l

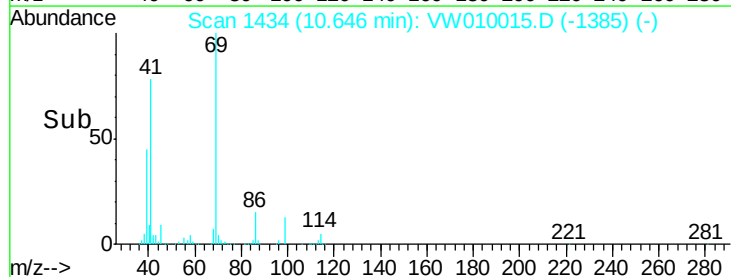
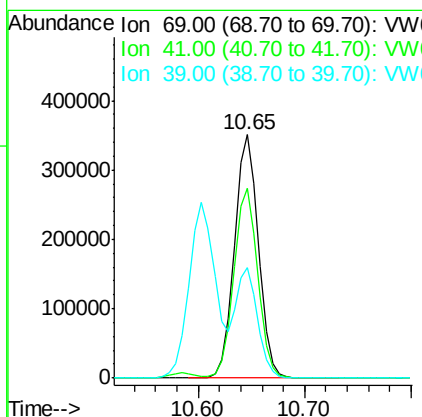
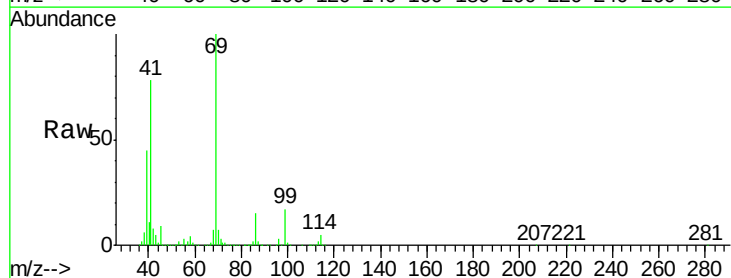
RT: 10.65 min Scan# 1434

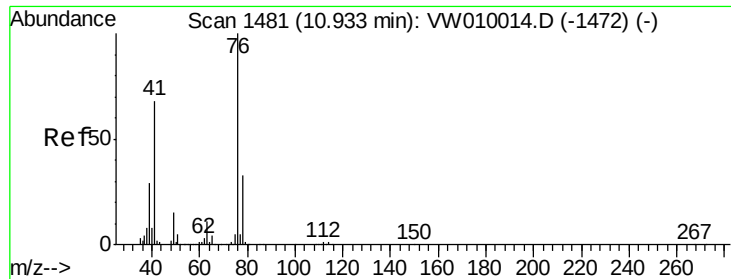
Delta R.T. -0.00 min

Lab File: VW010015.D

Acq: 17 Apr 2019 12:44

Tgt Ion:	69	Resp:	551695
Ion	Ratio	Lower	Upper
69	100		
41	78.3	61.0	91.6
39	41.5	33.8	50.6





#57

1,3-Dichloropropane

Concen: 102.187 ug/l

RT: 10.93 min Scan# 1481

Delta R.T. -0.00 min

Lab File: VW010015.D

Acq: 17 Apr 2019 12:44

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC100

Tot Ion: 76 Resp: 689094

Ion Ratio Lower Upper

76 100

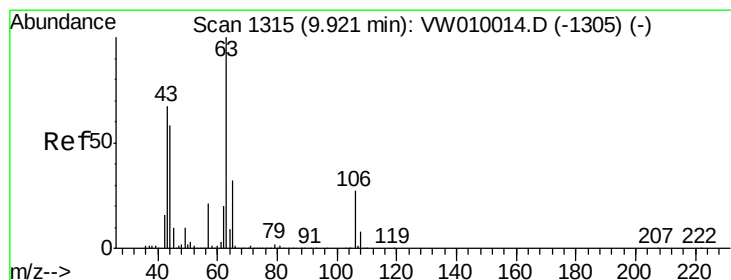
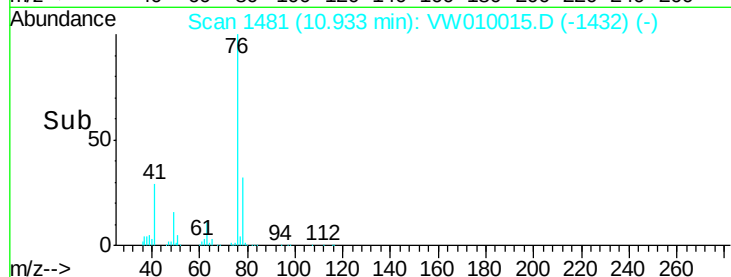
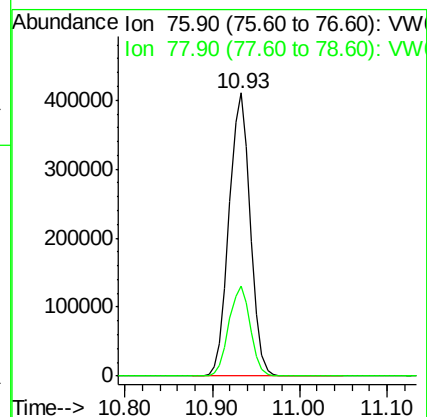
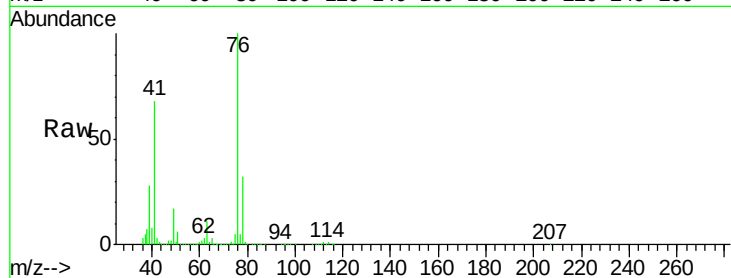
78 32.3 25.8 38.8

Manual Integrations

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4/18/2019 11:40:17 AM



#58

2-Chloroethyl Vinyl ether

Concen: 469.526 ug/l

RT: 9.92 min Scan# 1315

Delta R.T. -0.00 min

Lab File: VW010015.D

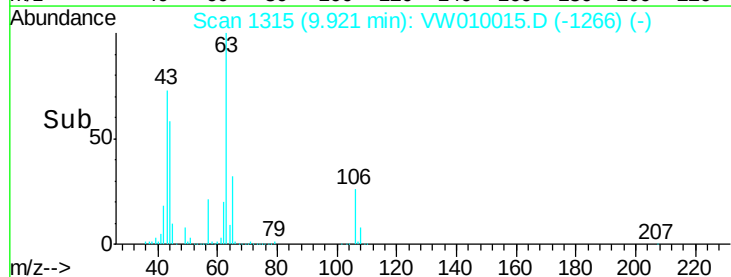
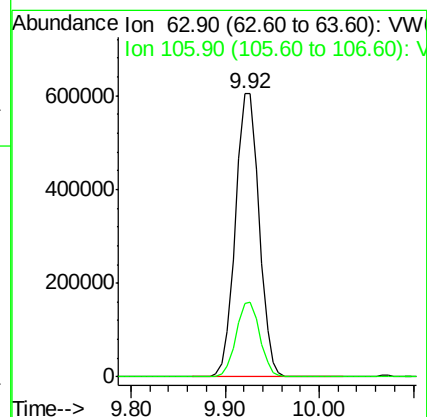
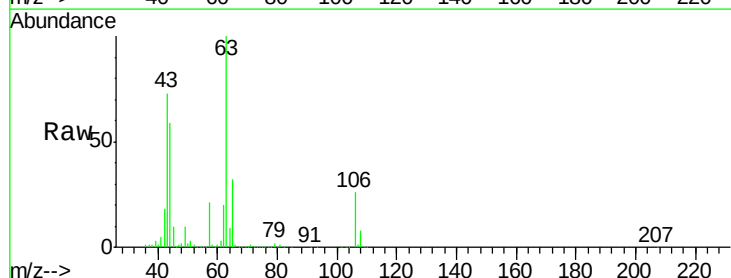
Acq: 17 Apr 2019 12:44

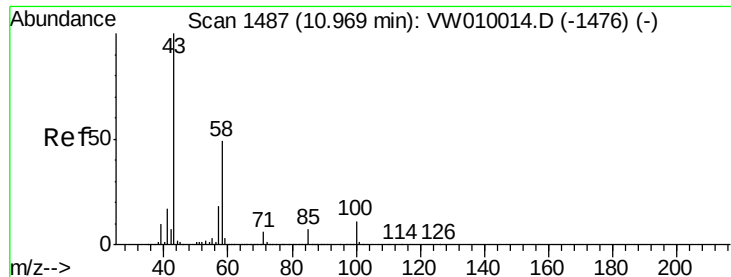
Tgt Ion: 63 Resp: 1055563

Ion Ratio Lower Upper

63 100

106 26.4 21.4 32.0





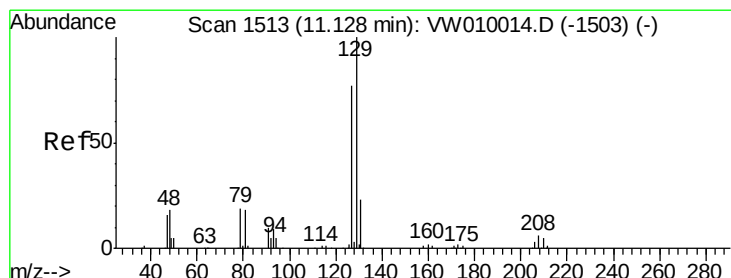
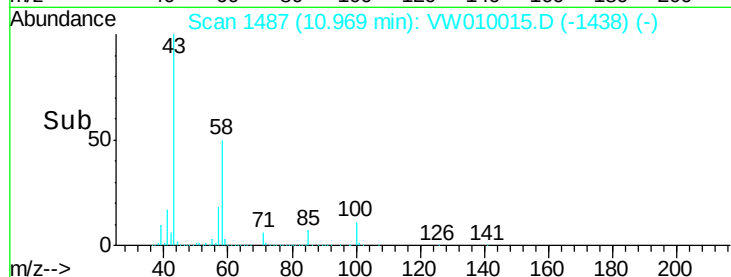
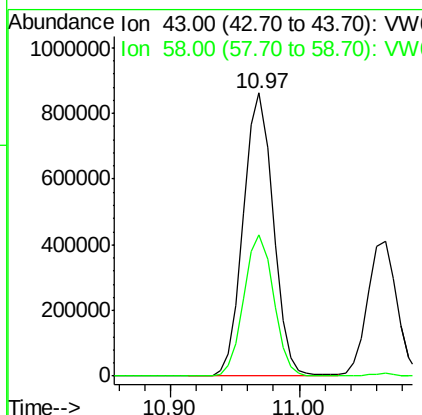
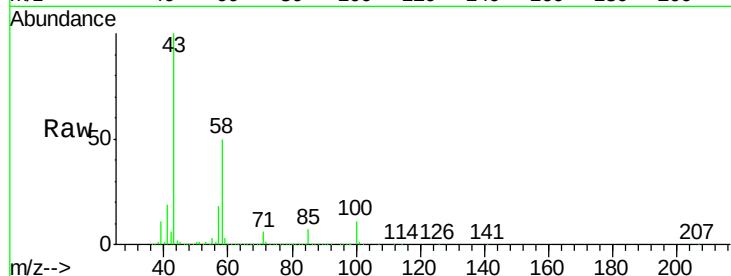
#59
2-Hexanone
Concen: 551.588 ug/l
RT: 10.97 min Scan# 1487
Delta R.T. -0.00 min
Lab File: VW010015.D
Acq: 17 Apr 2019 12:44

Instrument :
MSVOA_W
ClientSampleId :
VSTDICC100

Tot Ion: 43 Resp: 1385732
Ion Ratio Lower Upper
43 100
58 49.6 24.9 74.7

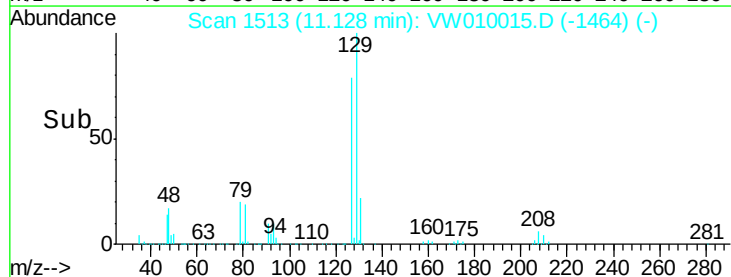
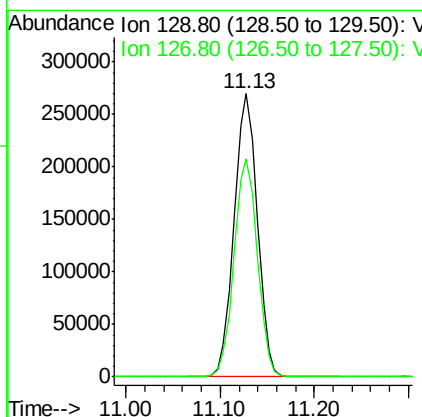
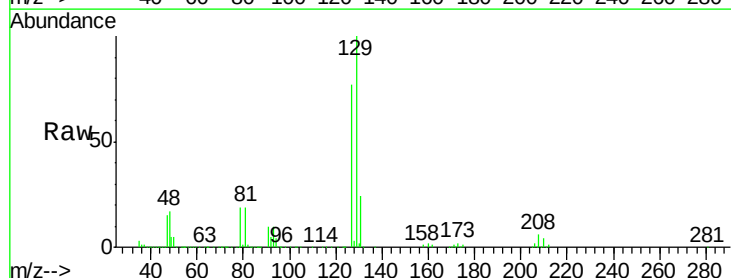
Manual Integrations
APPROVED

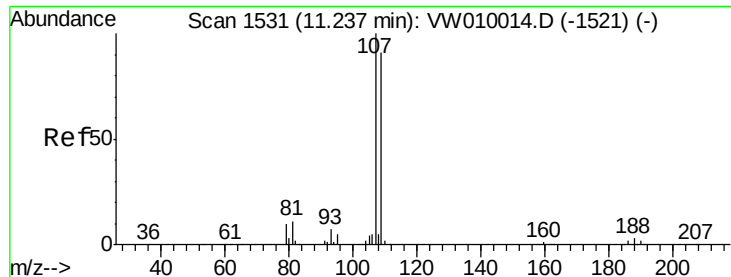
MMDadoda
4/18/2019 11:40:17 AM



#60
Dibromochloromethane
Concen: 106.468 ug/l
RT: 11.13 min Scan# 1513
Delta R.T. -0.00 min
Lab File: VW010015.D
Acq: 17 Apr 2019 12:44

Tgt Ion: 129 Resp: 462978
Ion Ratio Lower Upper
129 100
127 77.3 38.6 116.0





#61

1,2-Dibromoethane

Concen: 103.081 ug/l

RT: 11.23 min Scan# 1530

Delta R.T. -0.01 min

Lab File: VW010015.D

Acq: 17 Apr 2019 12:44

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC100

Tot Ion: 107 Resp: 368929

Ion Ratio Lower Upper

107 100

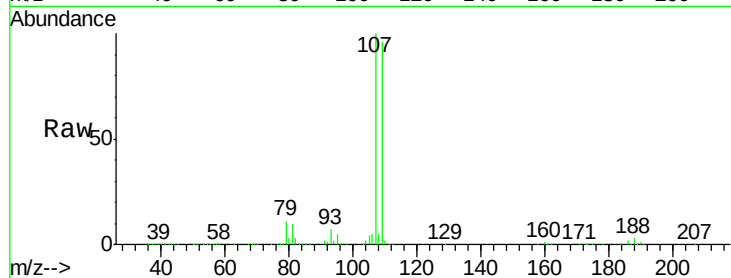
109 94.7 73.6 110.4

Manual Integrations

APPROVED

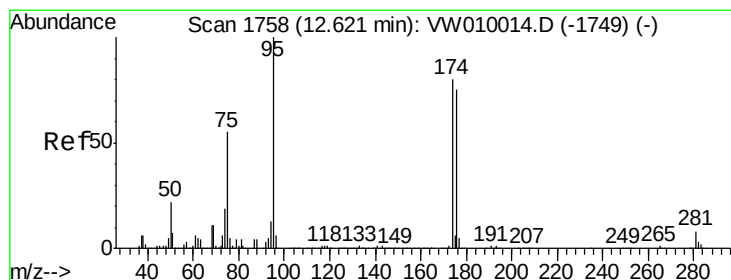
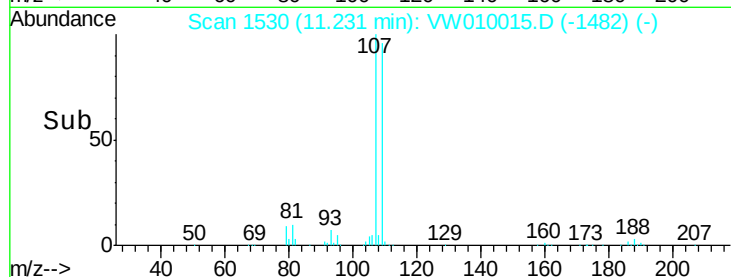
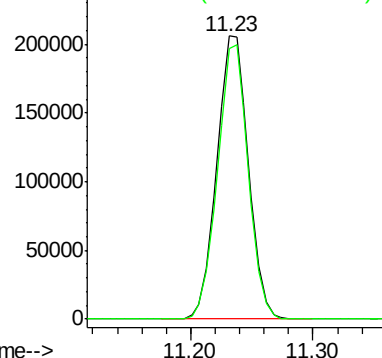
MMDadoda

4/18/2019 11:40:17 AM



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V



#62

4-Bromofluorobenzene

Concen: 109.974 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. -0.00 min

Lab File: VW010015.D

Acq: 17 Apr 2019 12:44

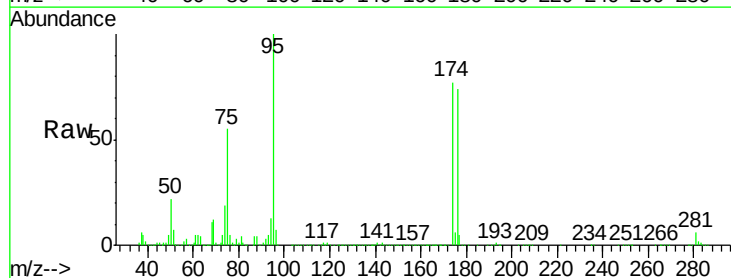
Tgt Ion: 95 Resp: 674665

Ion Ratio Lower Upper

95 100

174 76.2 0.0 151.4

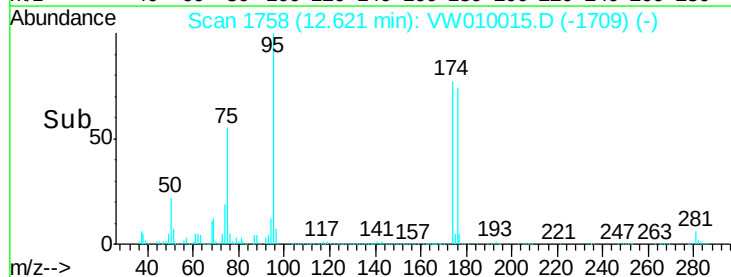
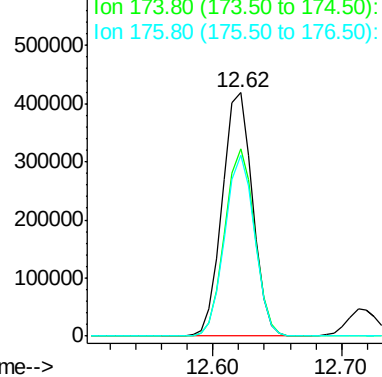
176 73.2 0.0 146.2

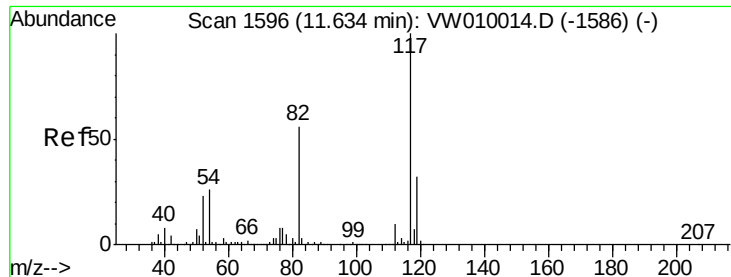


Abundance Ion 94.90 (94.60 to 95.60): VW

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V





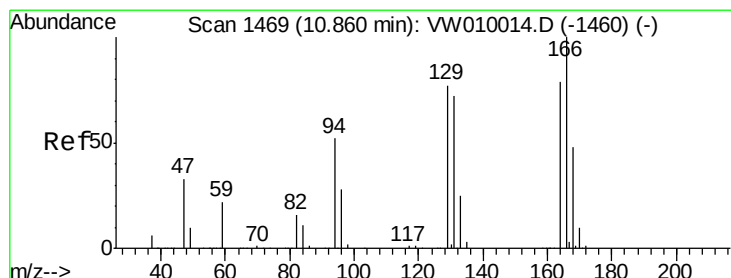
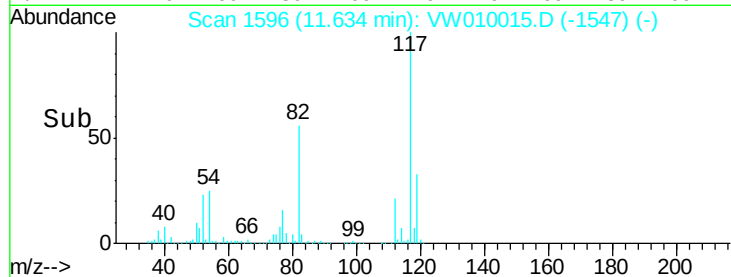
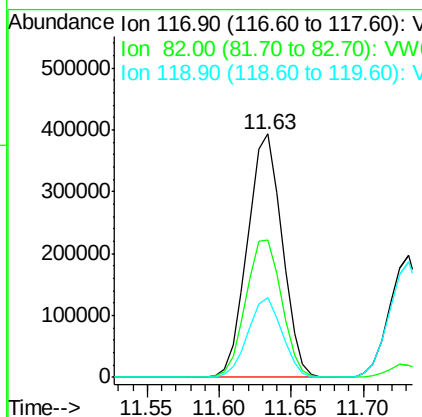
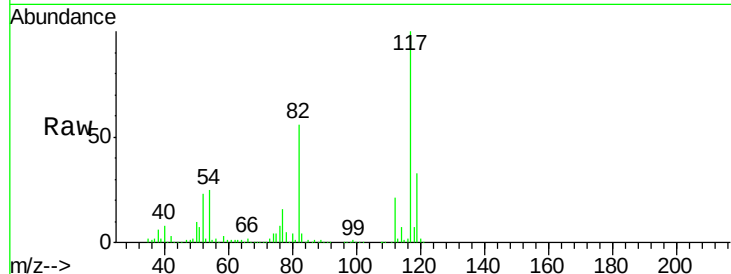
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1596
Delta R.T. -0.00 min
Lab File: VW010015.D
Acq: 17 Apr 2019 12:44

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Resp	Lower	Upper
117	100	656270		
82	56.4		45.2	67.8
119	32.7		25.4	38.2

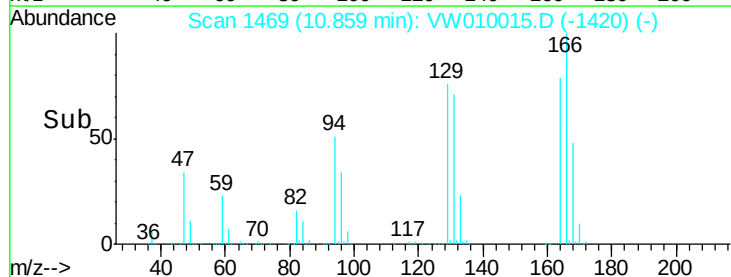
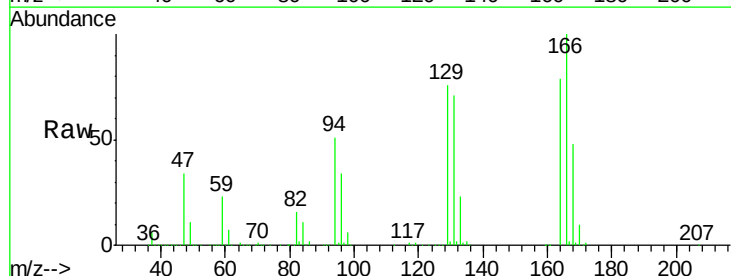
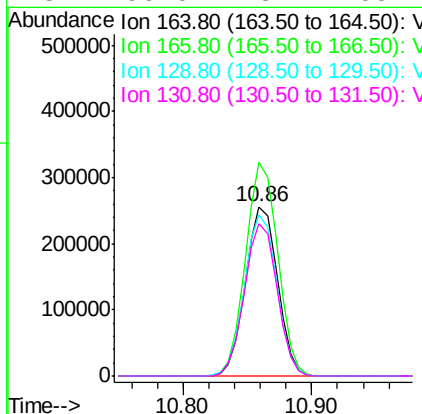
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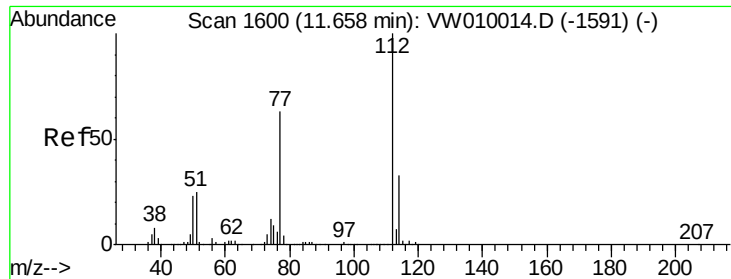
MMDadoda
4/18/2019 11:40:17 AM



#64
Tetrachloroethene
Concen: 103.336 ug/l
RT: 10.86 min Scan# 1469
Delta R.T. -0.00 min
Lab File: VW010015.D
Acq: 17 Apr 2019 12:44

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	440241		
166	125.9		101.2	151.8
129	95.5		77.8	116.6
131	90.0		73.1	109.7





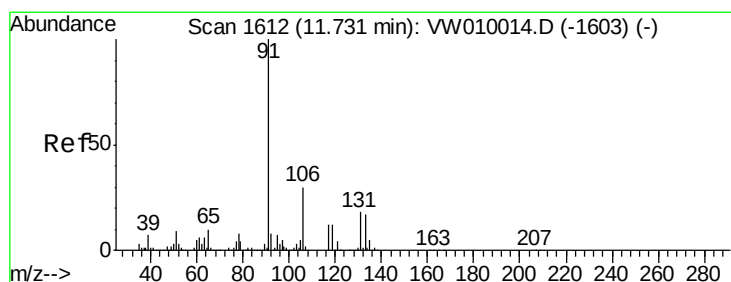
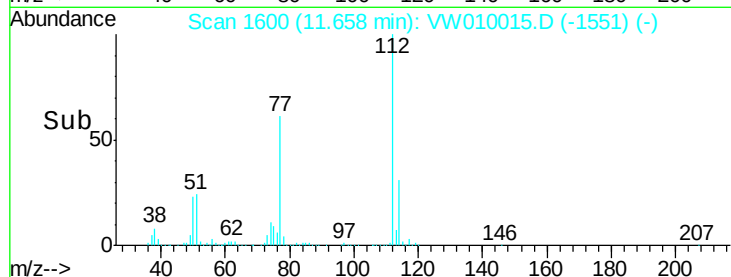
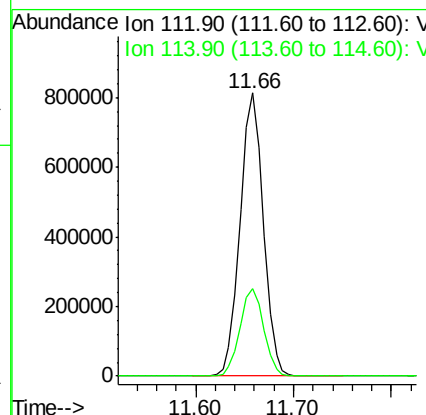
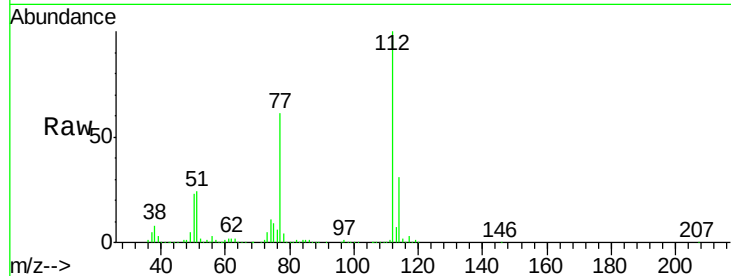
#65
Chlorobenzene
Concen: 99.938 ug/l
RT: 11.66 min Scan# 1600
Delta R.T. -0.00 min
Lab File: VW010015.D
Acq: 17 Apr 2019 12:44

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC100

Tot Ion:112 Resp: 1342381
Ion Ratio Lower Upper
112 100
114 31.2 26.5 39.7

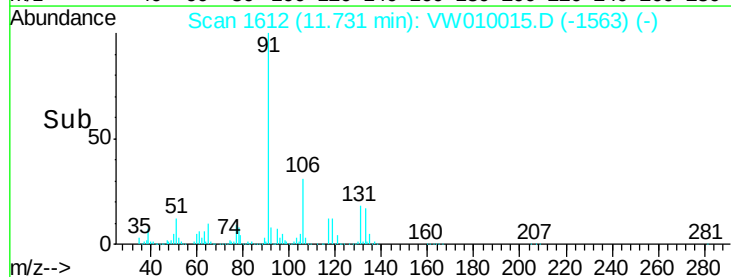
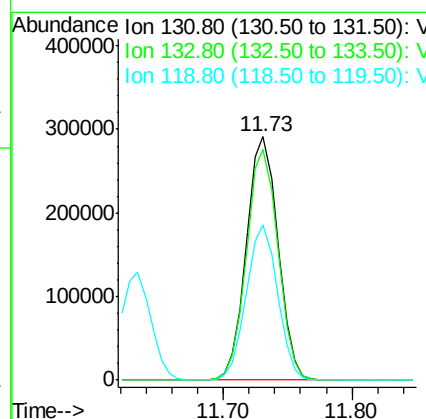
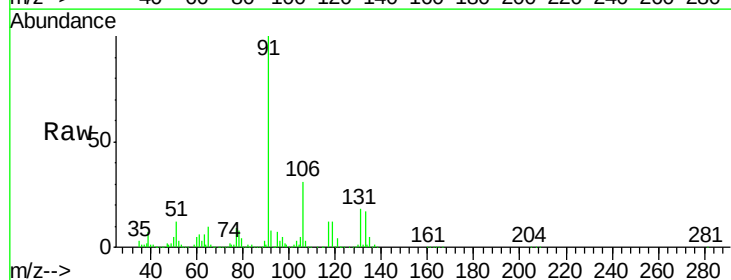
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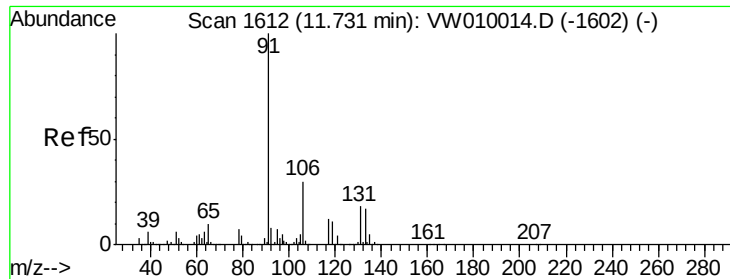
MMDadoda
4/18/2019 11:40:17 AM



#66
1,1,1,2-Tetrachloroethane
Concen: 102.473 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. -0.00 min
Lab File: VW010015.D
Acq: 17 Apr 2019 12:44

Tgt Ion:131 Resp: 492221
Ion Ratio Lower Upper
131 100
133 94.6 46.5 139.5
119 63.4 31.9 95.5





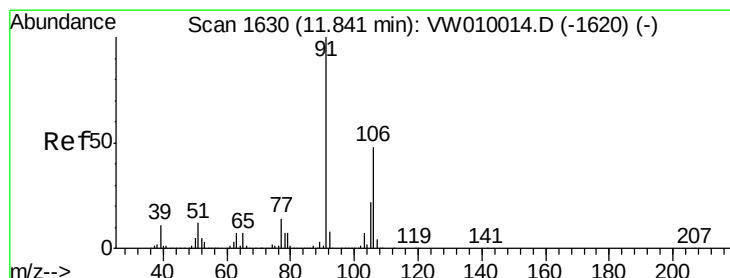
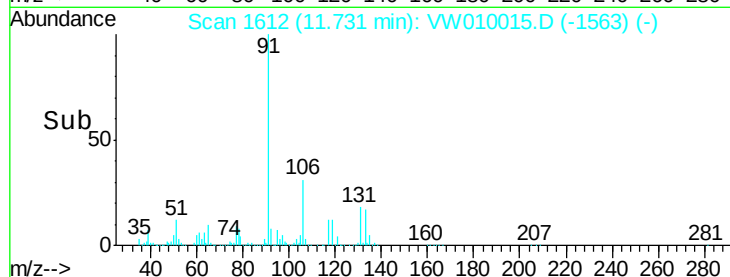
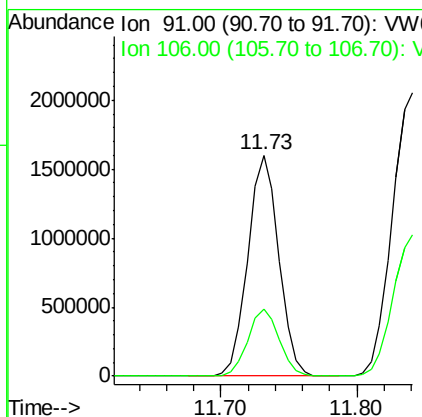
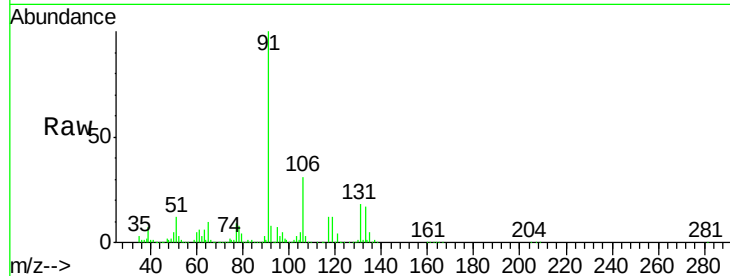
#67
Ethyl Benzene
Concen: 106.313 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. -0.00 min
Lab File: VW010015.D
Acq: 17 Apr 2019 12:44

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC100

Tot Ion: 91 Resp: 2547792
Ion Ratio Lower Upper
91 100
106 30.5 23.8 35.8

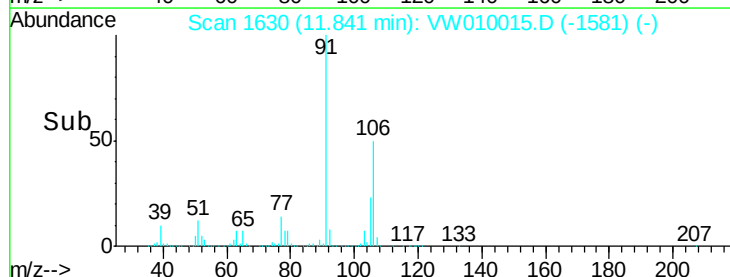
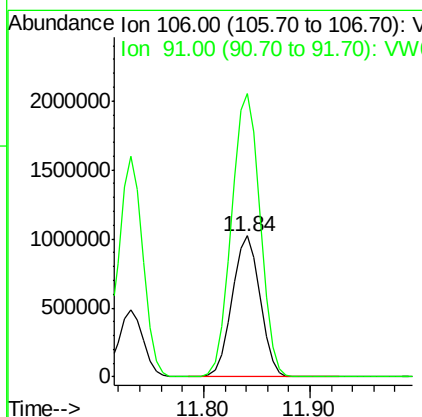
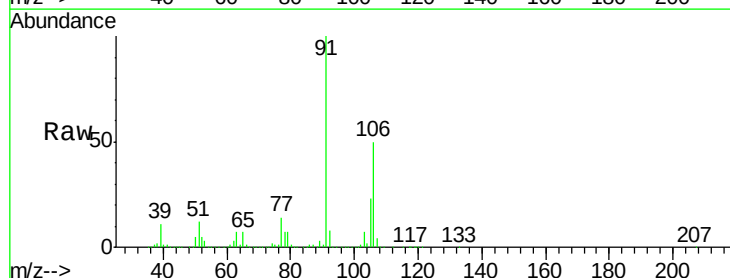
Manual Integrations
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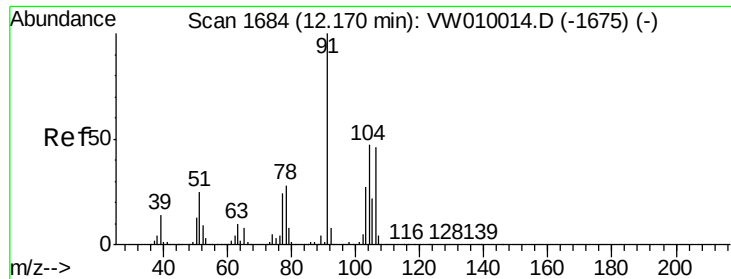
MMDadoda
4/18/2019 11:40:17 AM



#68
m/p-Xylenes
Concen: 210.146 ug/l
RT: 11.84 min Scan# 1630
Delta R.T. -0.00 min
Lab File: VW010015.D
Acq: 17 Apr 2019 12:44

Tgt Ion:106 Resp: 1882540
Ion Ratio Lower Upper
106 100
91 205.8 165.0 247.6





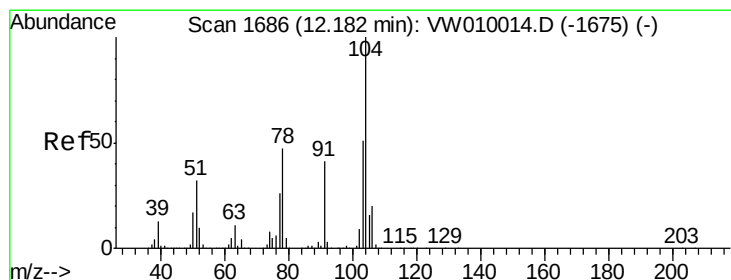
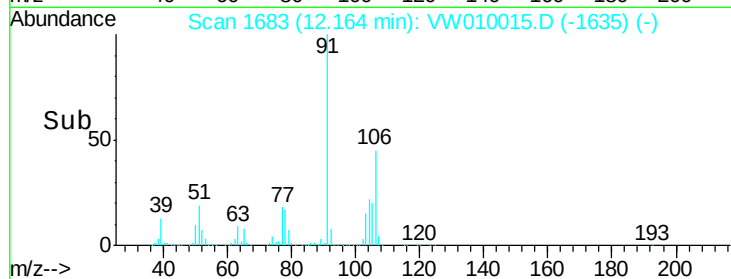
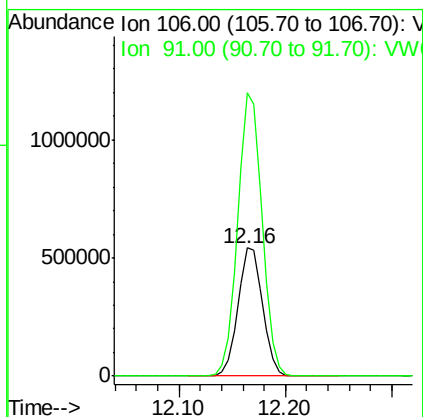
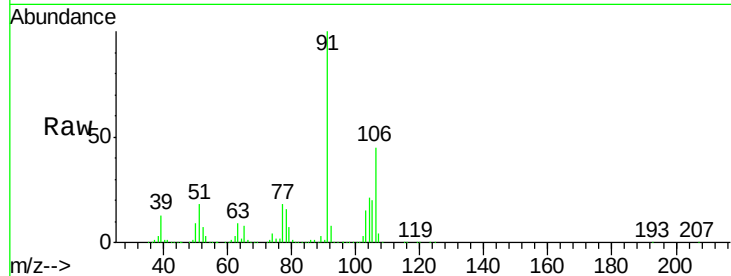
#69
o-Xylene
Concen: 108.276 ug/l
RT: 12.16 min Scan# 1683
Delta R.T. -0.01 min
Lab File: VW010015.D
Acq: 17 Apr 2019 12:44

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC100

Tot Ion:106 Resp: 883185
Ion Ratio Lower Upper
106 100
91 218.3 110.5 331.4

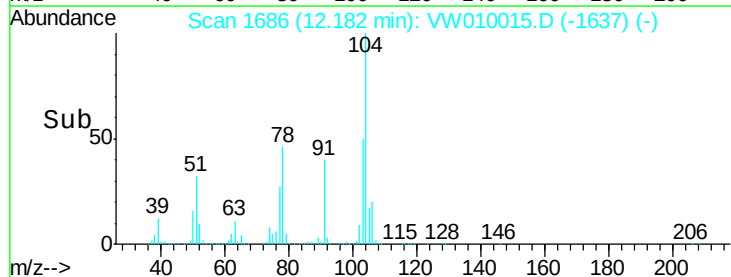
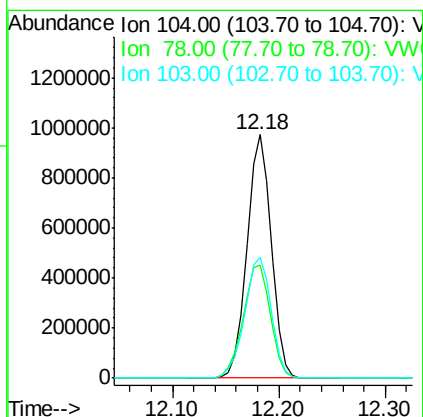
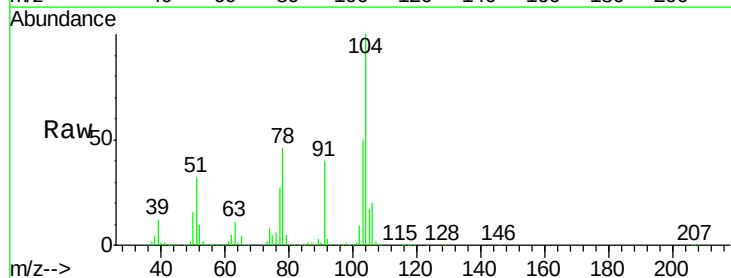
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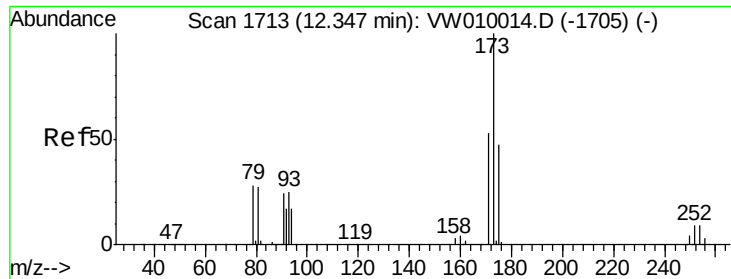
MMDadoda
4/18/2019 11:40:17 AM



#70
Styrene
Concen: 110.782 ug/l
RT: 12.18 min Scan# 1686
Delta R.T. -0.00 min
Lab File: VW010015.D
Acq: 17 Apr 2019 12:44

Tgt Ion:104 Resp: 1558022
Ion Ratio Lower Upper
104 100
78 52.2 42.5 63.7
103 54.3 43.6 65.4





#71

Bromoform

Concen: 104.295 ug/l

RT: 12.35 min Scan# 1714

Delta R.T. 0.01 min

Lab File: VW010015.D

Acq: 17 Apr 2019 12:44

Instrument :

MSVOA_W

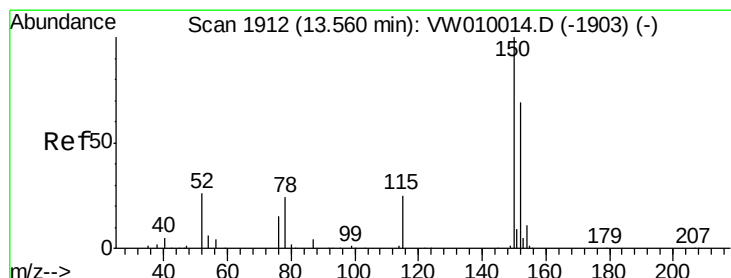
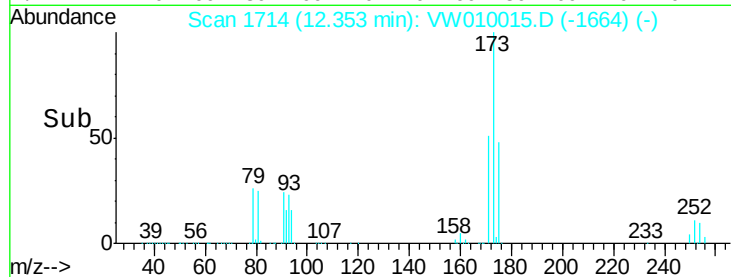
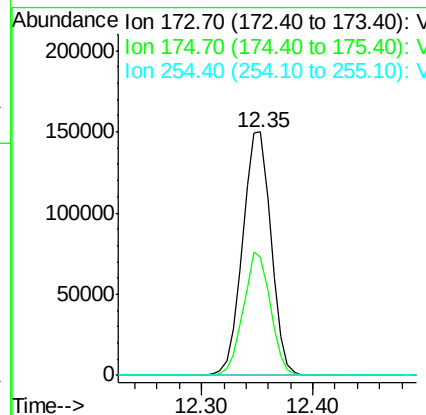
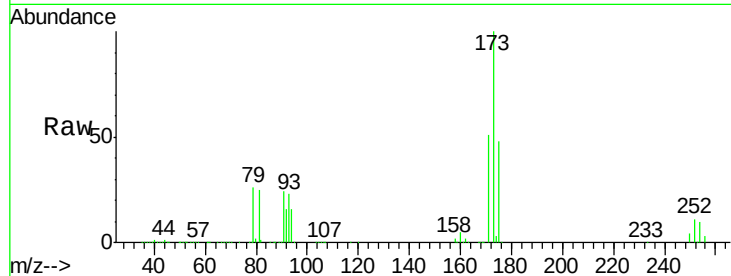
ClientSampleId :

VSTDIC100

Tot Ion	Ratio	Lower	Upper
173	100		
175	48.3	23.8	71.4
254	0.1	0.1	0.1

Manual Integrations
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4/18/2019 11:40:17 AM



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

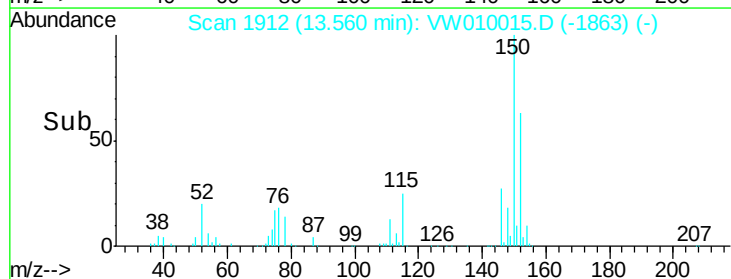
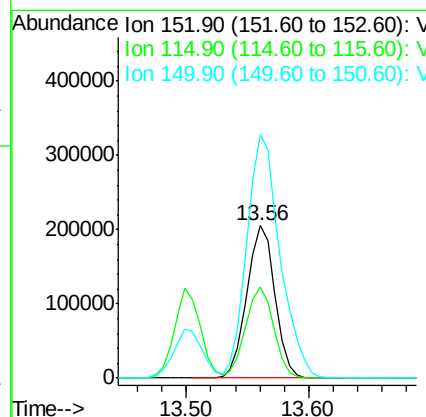
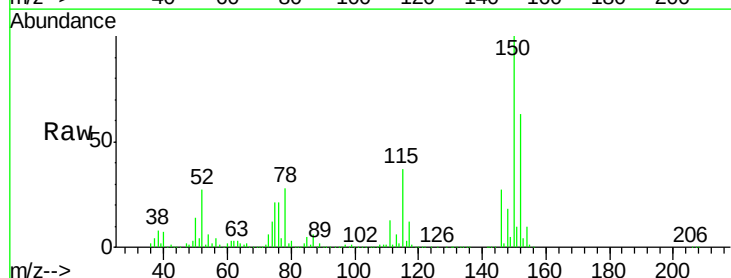
RT: 13.56 min Scan# 1912

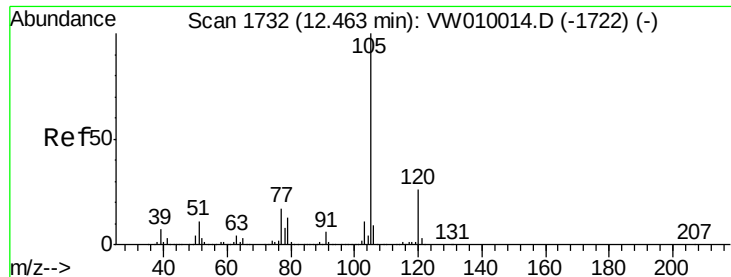
Delta R.T. -0.00 min

Lab File: VW010015.D

Acq: 17 Apr 2019 12:44

Tgt Ion	Ratio	Lower	Upper
152	100		
115	59.8	30.4	91.2
150	188.3	0.0	347.0





#73

Isopropylbenzene

Concen: 108.301 ug/l

RT: 12.47 min Scan# 1733

Delta R.T. 0.01 min

Lab File: VW010015.D

Acq: 17 Apr 2019 12:44

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC100

Tot Ion:105 Resp: 2470265

Ion Ratio Lower Upper

105 100

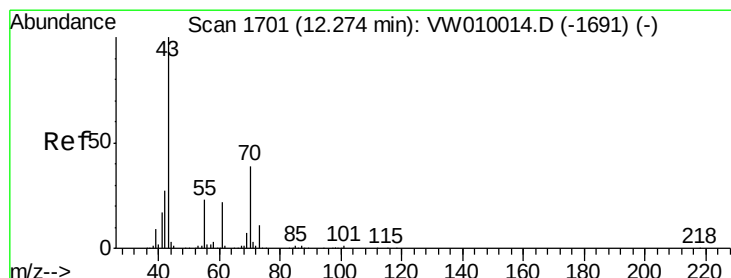
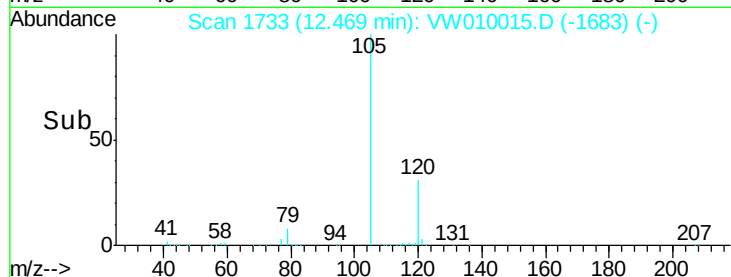
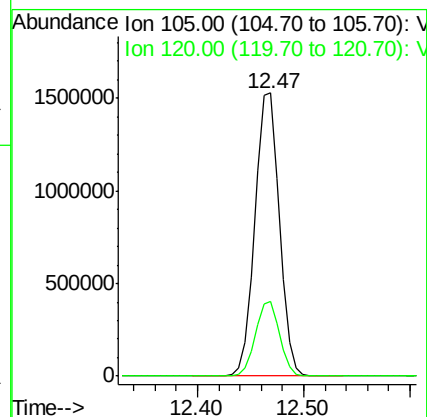
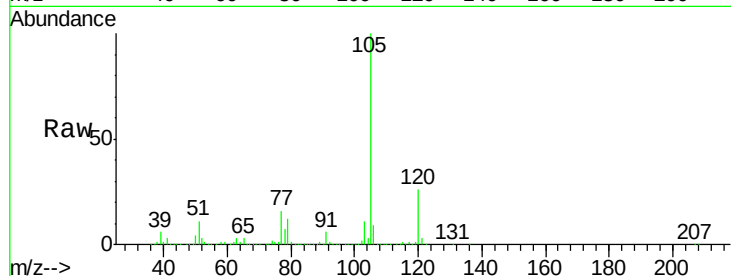
120 26.0 13.1 39.1

Manual Integrations

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#74

N-ethyl acetate

Concen: 112.806 ug/l

RT: 12.27 min Scan# 1701

Delta R.T. -0.00 min

Lab File: VW010015.D

Acq: 17 Apr 2019 12:44

Tgt Ion: 43 Resp: 712548

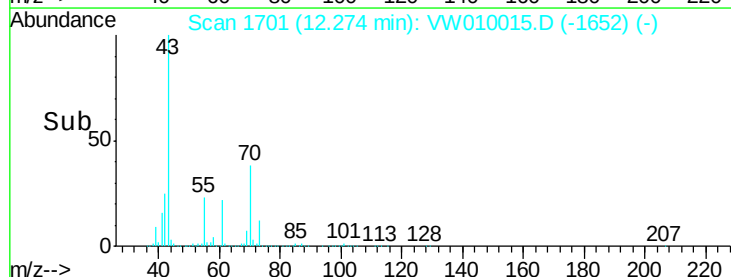
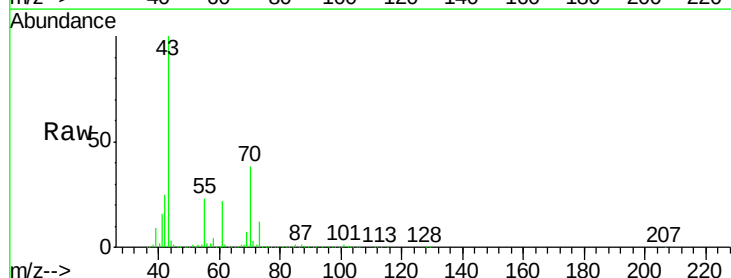
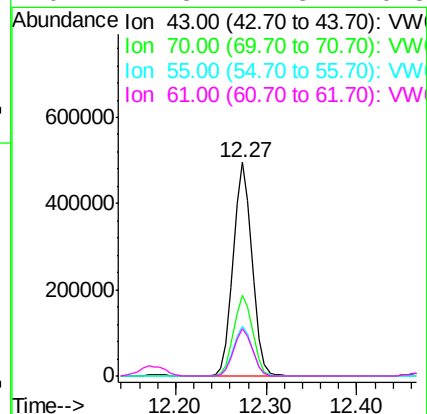
Ion Ratio Lower Upper

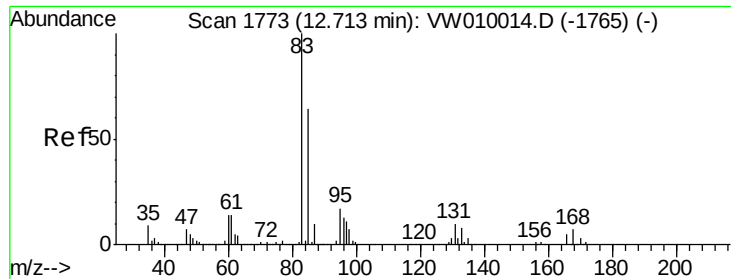
43 100

70 38.5 31.3 46.9

55 23.8 20.0 30.0

61 22.3 17.8 26.8





#75

1,1,2,2-Tetrachloroethane

Concen: 101.867 ug/l

RT: 12.72 min Scan# 1774

Delta R.T. 0.01 min

Lab File: VW010015.D

Acq: 17 Apr 2019 12:44

Instrument :

MSVOA_W

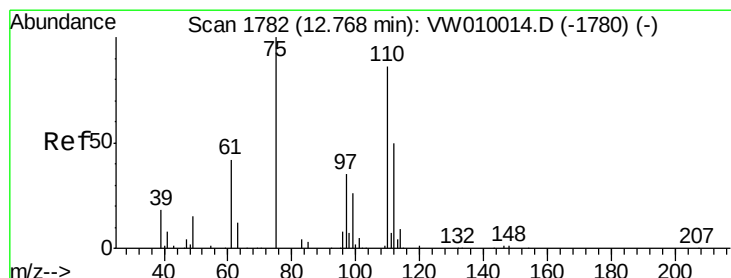
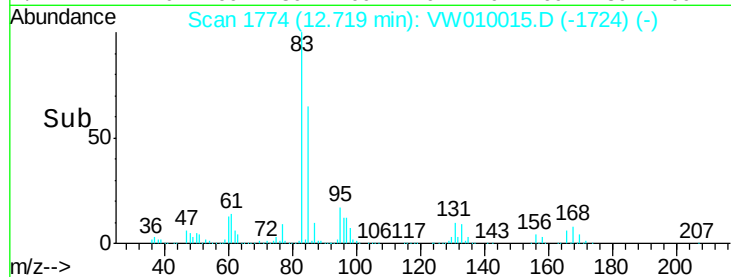
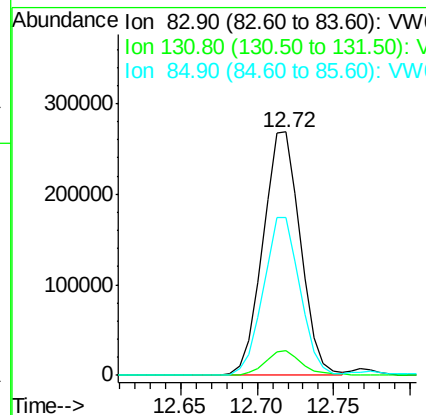
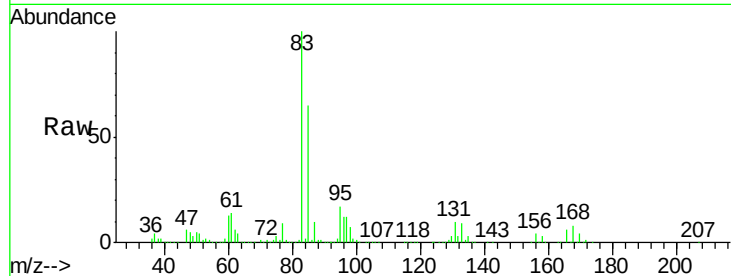
ClientSampleId :

VSTDIC100

Tot Ion:	83	Resp:	459050
Ion Ratio	Lower	Upper	
83	100		
131	10.1	5.3	15.8
85	63.7	32.0	96.2

Manual Integrations
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4/18/2019 11:40:17 AM



#76

1,2,3-Trichloropropane

Concen: 85.238 ug/l m

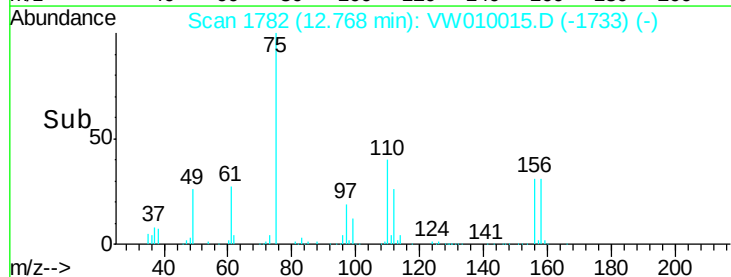
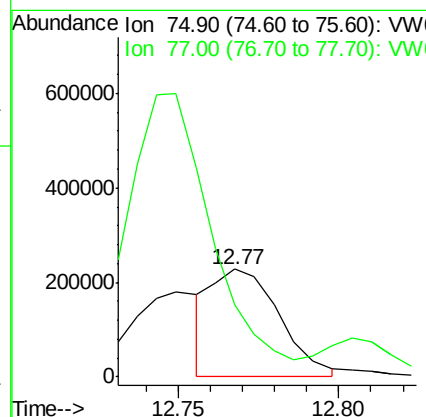
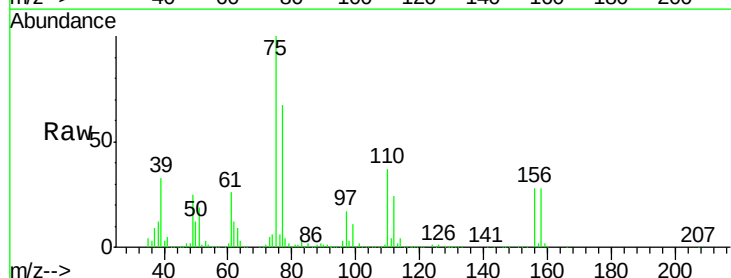
RT: 12.77 min Scan# 1782

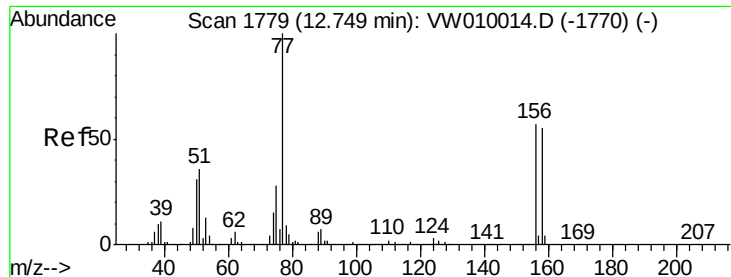
Delta R.T. -0.00 min

Lab File: VW010015.D

Acq: 17 Apr 2019 12:44

Tgt Ion:	75	Resp:	334883
Ion Ratio	Lower	Upper	
75	100		
77	333.3	0.0	0.0#





#77

Bromobenzene

Concen: 104.095 ug/l

RT: 12.75 min Scan# 1779

Delta R.T. -0.00 min

Lab File: VW010015.D

Acq: 17 Apr 2019 12:44

Instrument :

MSVOA_W

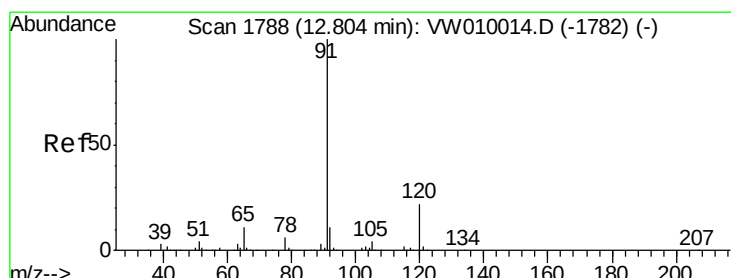
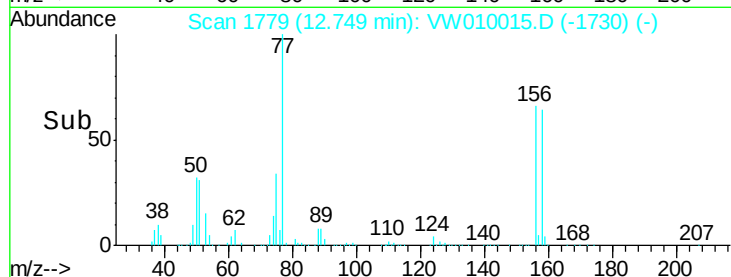
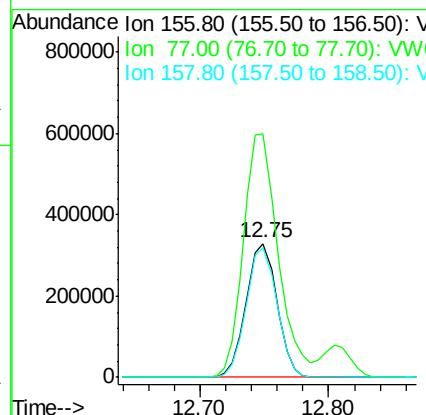
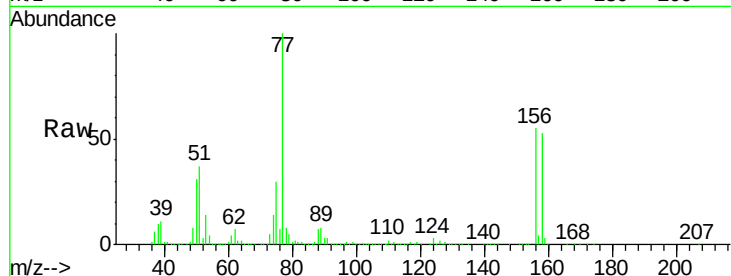
ClientSampleId :

VSTDIC100

Tot Ion:	156	Resp:	546064
Ion	Ratio	Lower	Upper
156	100		
77	204.4	102.5	307.4
158	97.0	48.8	146.4

Manual Integrations
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#78

n-propylbenzene

Concen: 106.219 ug/l

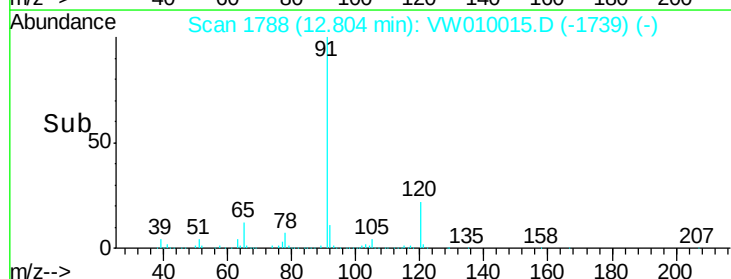
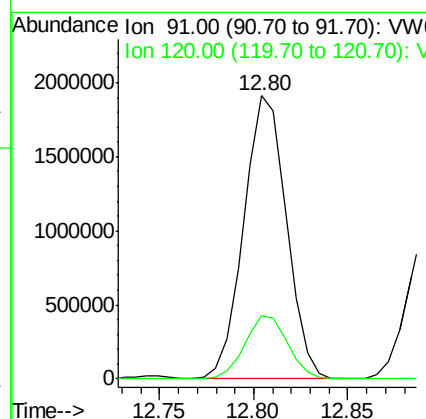
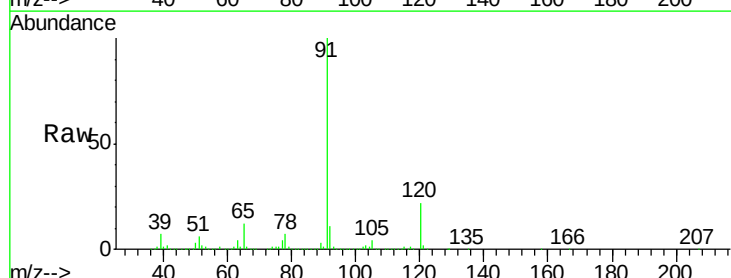
RT: 12.80 min Scan# 1788

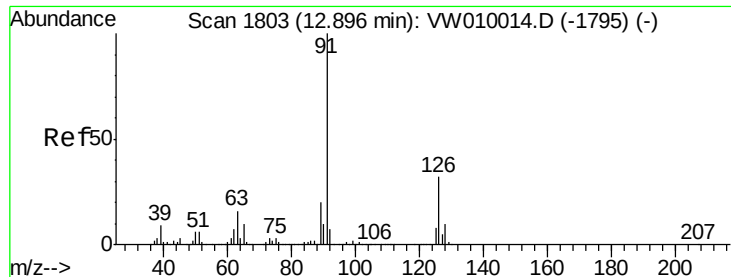
Delta R.T. -0.00 min

Lab File: VW010015.D

Acq: 17 Apr 2019 12:44

Tgt Ion:	91	Resp:	3002733
Ion	Ratio	Lower	Upper
91	100		
120	22.2	11.1	33.1





#79

2-Chlorotoluene

Concen: 104.227 ug/l

RT: 12.90 min Scan# 1803

Delta R.T. -0.00 min

Lab File: VW010015.D

Acq: 17 Apr 2019 12:44

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC100

Tot Ion: 91 Resp: 1694565

Ion Ratio Lower Upper

91 100

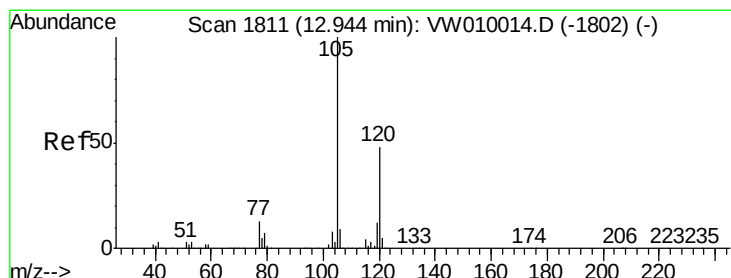
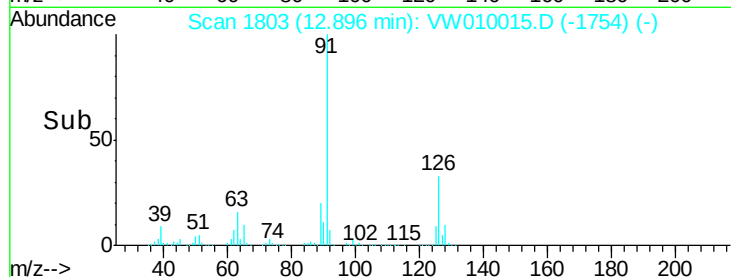
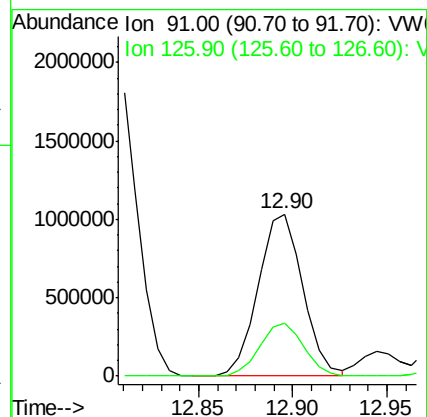
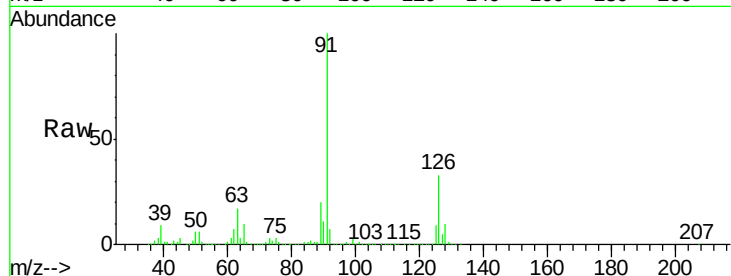
126 32.0 16.3 48.8

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#80

1,3,5-Trimethylbenzene

Concen: 107.354 ug/l

RT: 12.94 min Scan# 1811

Delta R.T. -0.00 min

Lab File: VW010015.D

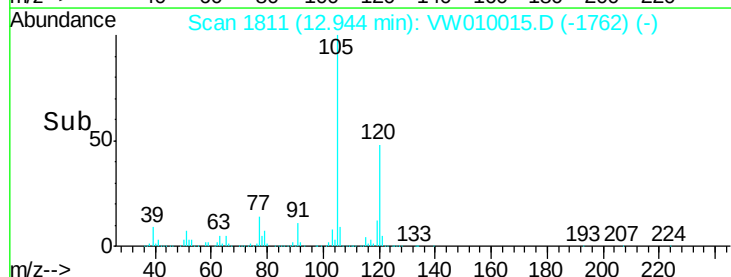
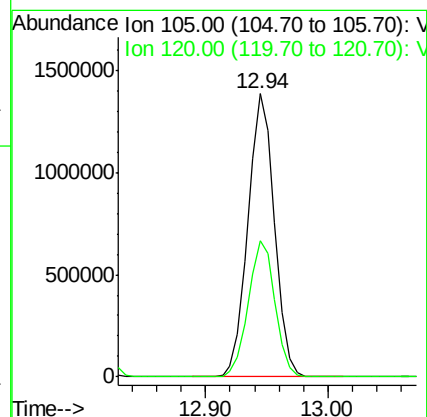
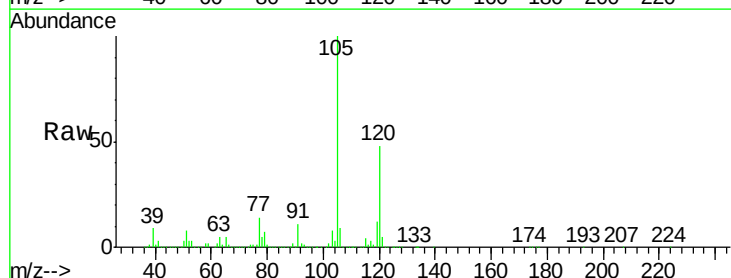
Acq: 17 Apr 2019 12:44

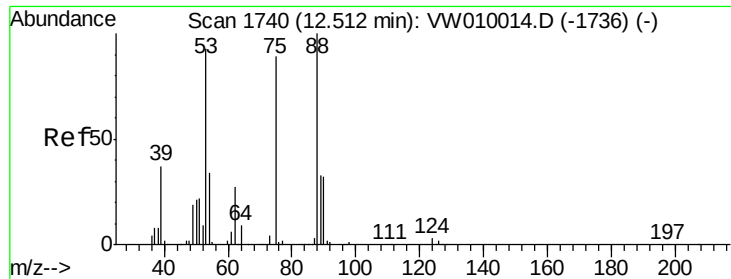
Tgt Ion:105 Resp: 2076168

Ion Ratio Lower Upper

105 100

120 48.6 24.3 72.8





#81

trans-1,4-Dichloro-2-butene

Concen: 115.503 ug/l

RT: 12.51 min Scan# 1740

Delta R.T. -0.00 min

Lab File: VW010015.D

Acq: 17 Apr 2019 12:44

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC100

Tot Ion: 75 Resp: 160673

Ion Ratio Lower Upper

75 100

53 109.3 89.8 134.8

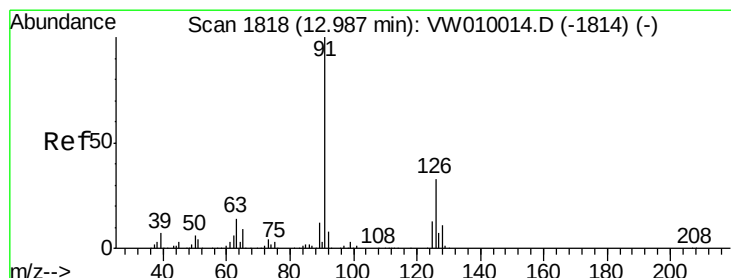
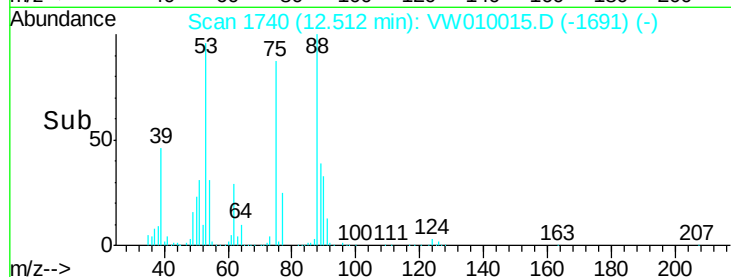
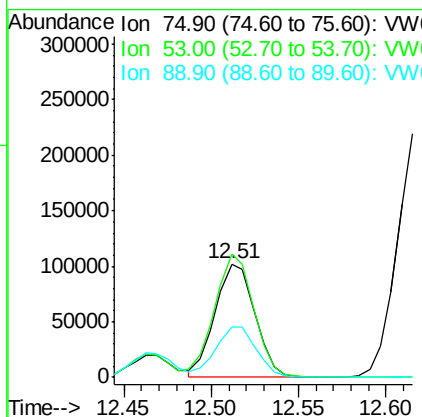
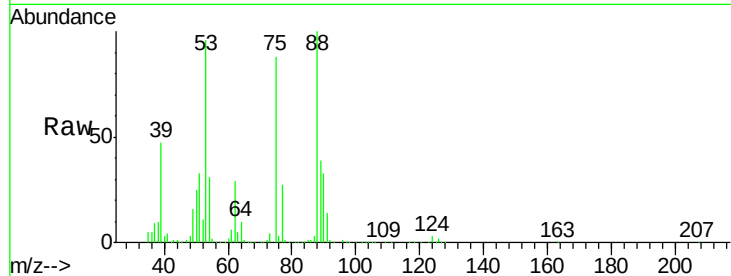
89 45.9 36.6 54.8

Manual Integrations

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#82

4-Chlorotoluene

Concen: 102.839 ug/l

RT: 12.99 min Scan# 1819

Delta R.T. 0.01 min

Lab File: VW010015.D

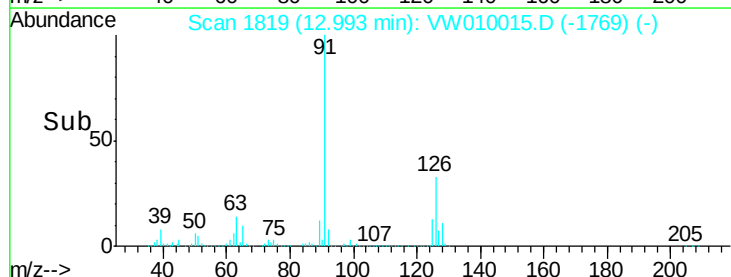
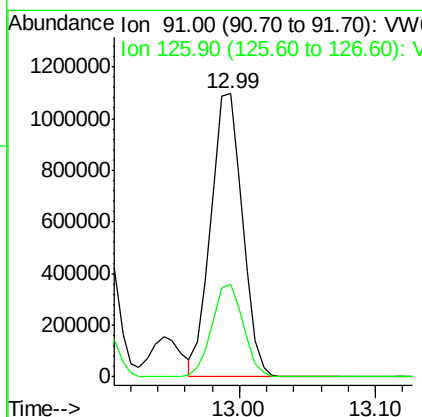
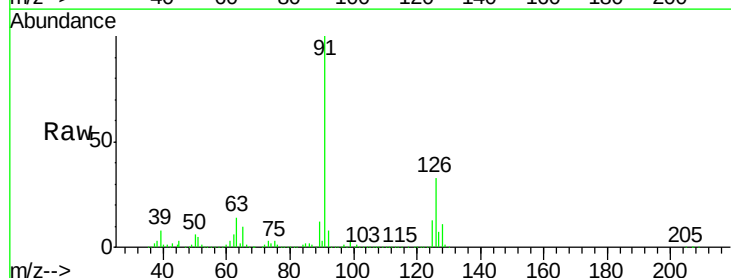
Acq: 17 Apr 2019 12:44

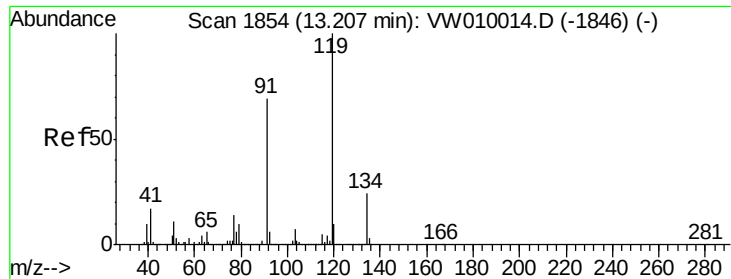
Tgt Ion: 91 Resp: 1759710

Ion Ratio Lower Upper

91 100

126 32.7 16.4 49.1





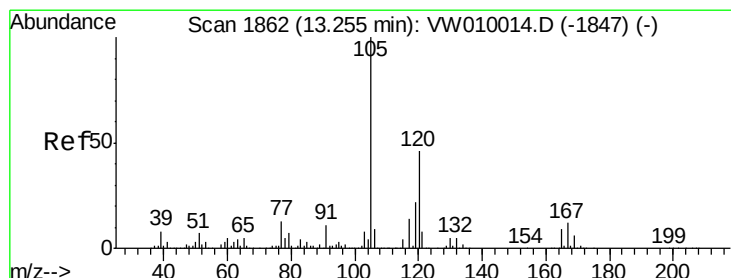
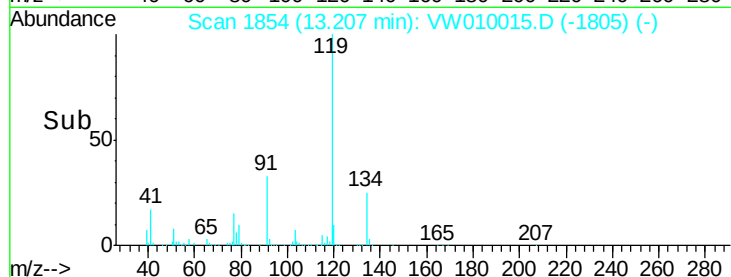
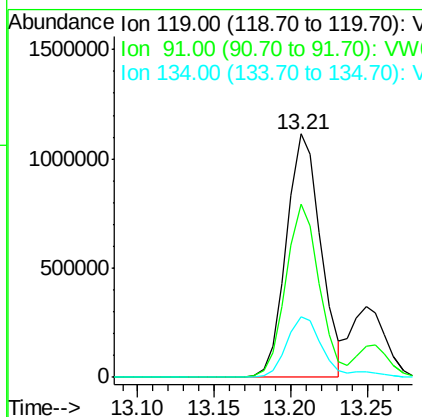
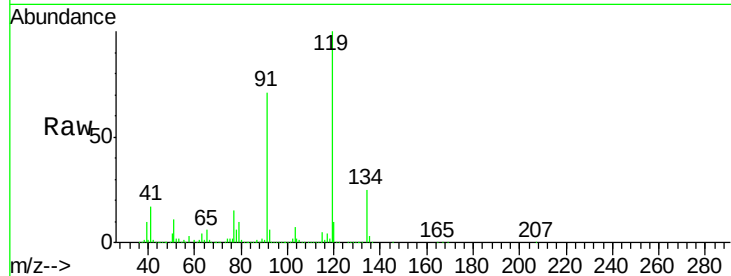
#83
tert-Butylbenzene
Concen: 108.254 ug/l
RT: 13.21 min Scan# 1854
Delta R.T. -0.00 min
Lab File: VW010015.D
Acq: 17 Apr 2019 12:44

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC100

Tot Ion:119 Resp: 1733716
Ion Ratio Lower Upper
119 100
91 70.1 34.8 104.4
134 27.0 13.7 41.1

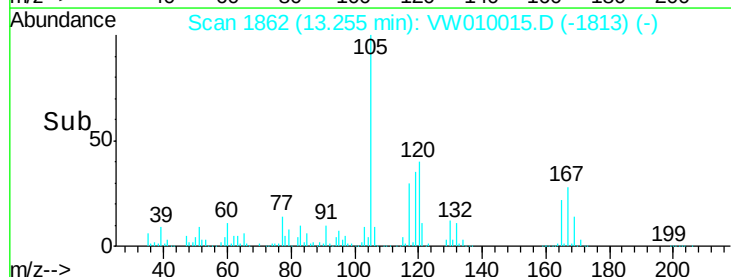
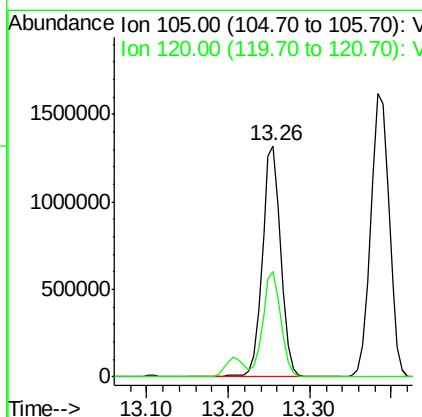
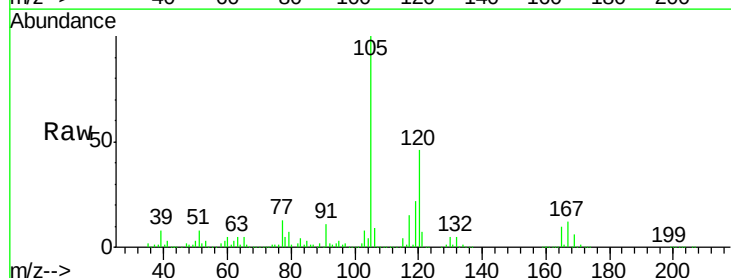
Manual Integrations
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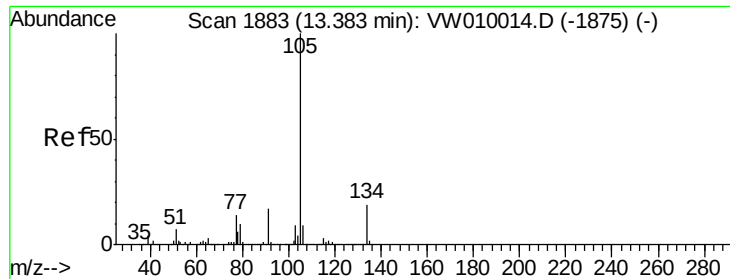
MMDadoda
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#84
1,2,4-Trimethylbenzene
Concen: 105.772 ug/l
RT: 13.26 min Scan# 1862
Delta R.T. -0.00 min
Lab File: VW010015.D
Acq: 17 Apr 2019 12:44

Tgt Ion:105 Resp: 2073946
Ion Ratio Lower Upper
105 100
120 45.0 22.6 67.7





#85

sec-Butylbenzene

Concen: 104.815 ug/l

RT: 13.38 min Scan# 1883

Delta R.T. -0.00 min

Lab File: VW010015.D

Acq: 17 Apr 2019 12:44

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC100

Tot Ion:105 Resp: 2508564

Ion Ratio Lower Upper

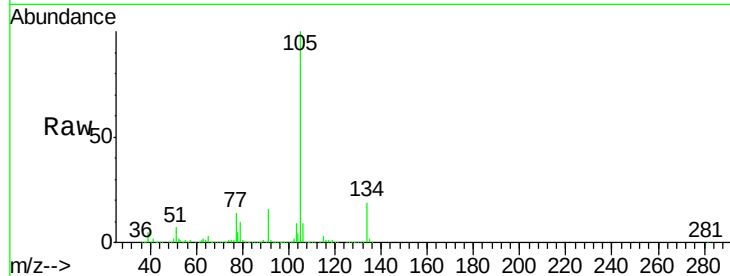
105 100

134 19.7 9.8 29.5

Manual Integrations
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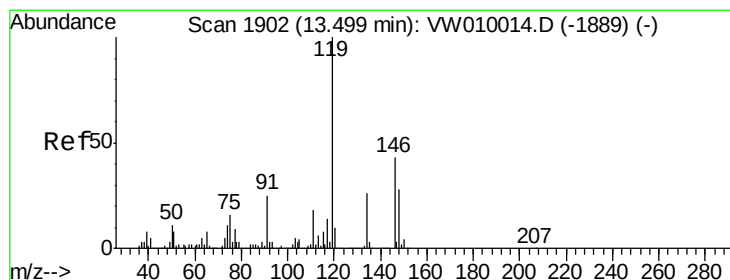
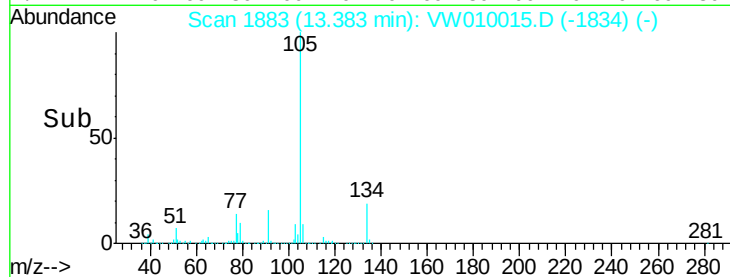
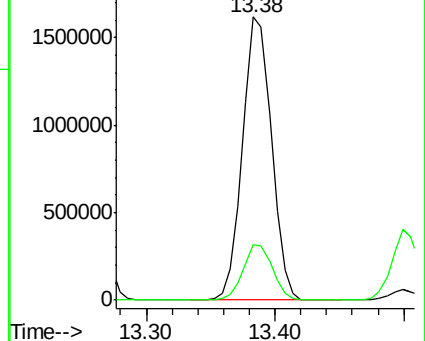
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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 107.658 ug/l

RT: 13.50 min Scan# 1902

Delta R.T. -0.00 min

Lab File: VW010015.D

Acq: 17 Apr 2019 12:44

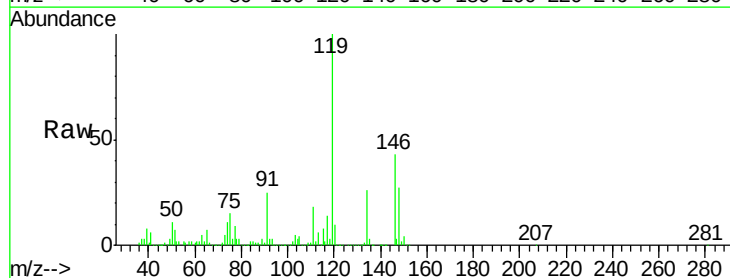
Tgt Ion:119 Resp: 2271021

Ion Ratio Lower Upper

119 100

134 26.1 13.0 38.9

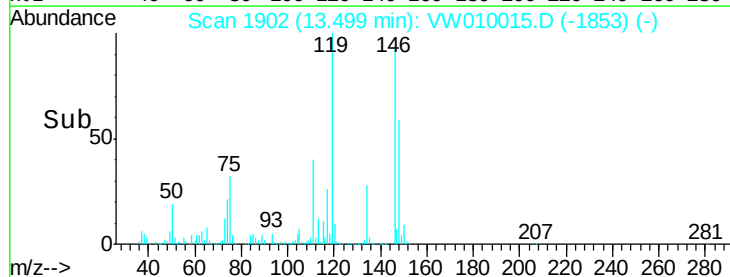
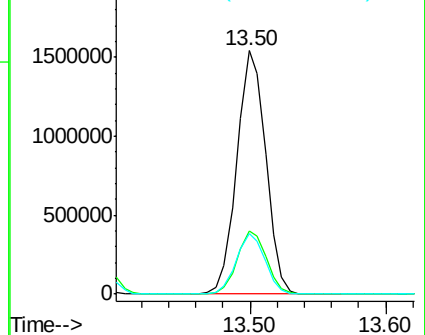
91 24.6 12.3 36.9

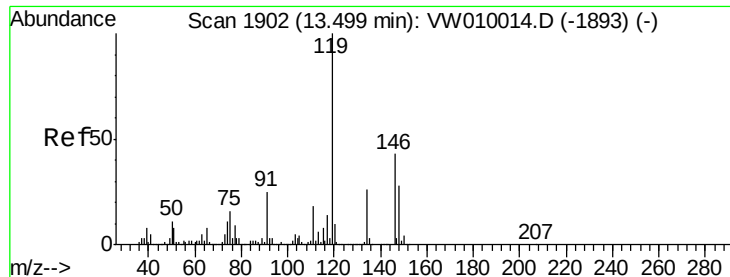


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V





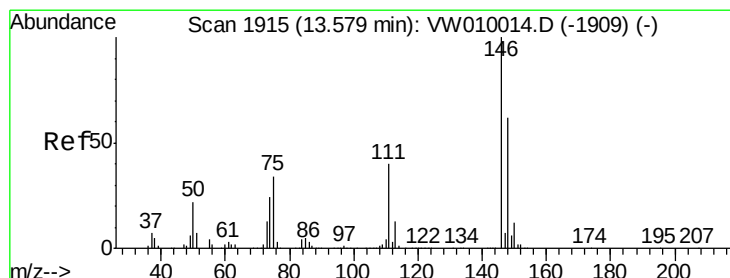
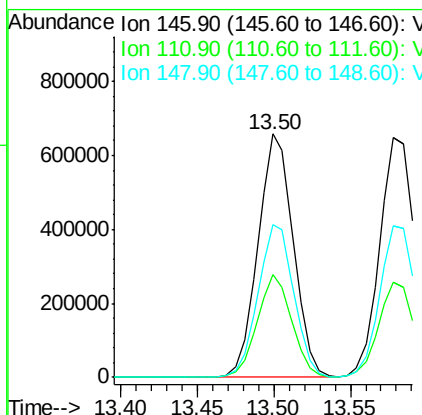
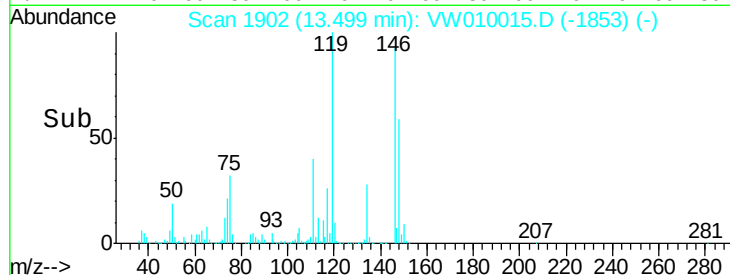
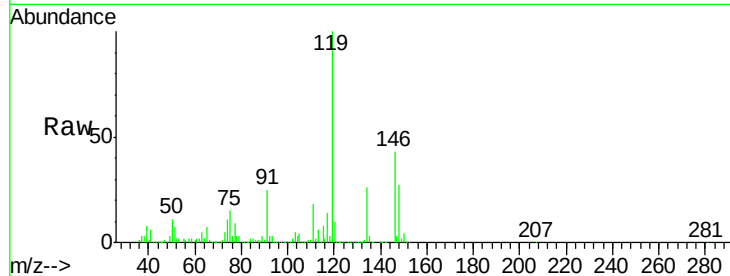
#87
 1,3-Dichlorobenzene
 Concen: 99.730 ug/l
 RT: 13.50 min Scan# 1902
 Delta R.T. -0.00 min
 Lab File: VW010015.D
 Acq: 17 Apr 2019 12:44

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC100

Tot Ion	Ratio	Lower	Upper
146	100		
111	41.2	20.3	61.0
148	63.6	32.0	96.2

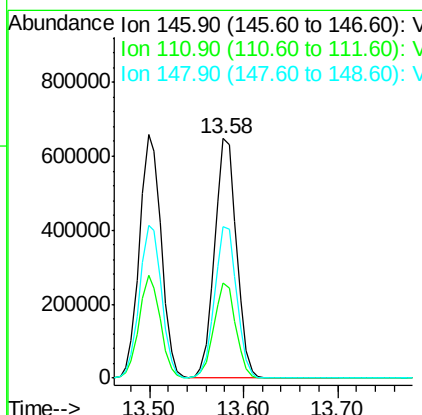
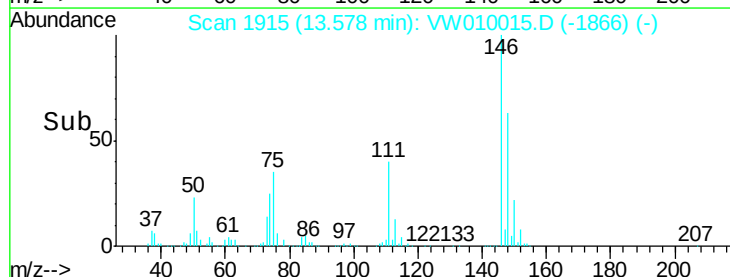
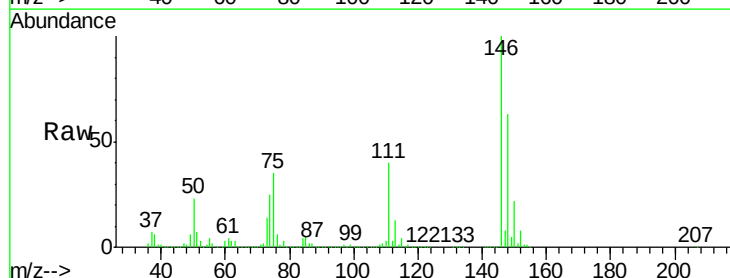
Manual Integrations
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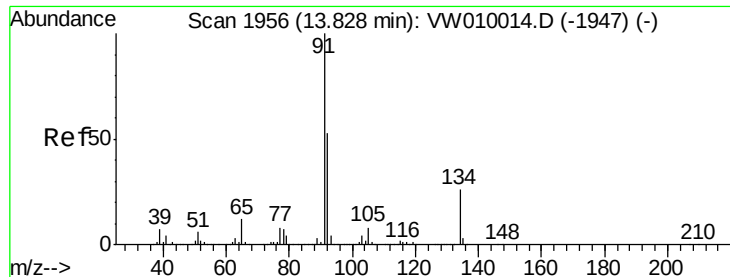
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#88
 1,4-Dichlorobenzene
 Concen: 98.553 ug/l
 RT: 13.58 min Scan# 1915
 Delta R.T. -0.00 min
 Lab File: VW010015.D
 Acq: 17 Apr 2019 12:44

Tgt Ion	Ratio	Lower	Upper
146	100		
111	39.5	20.1	60.3
148	63.8	31.8	95.3





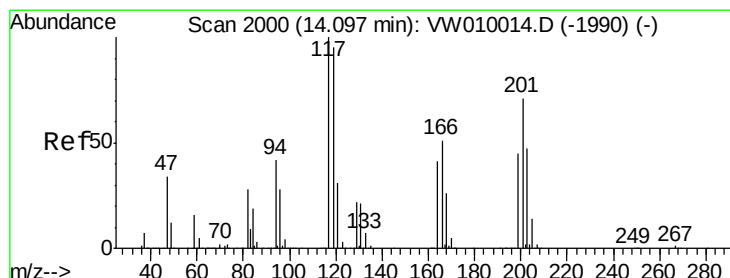
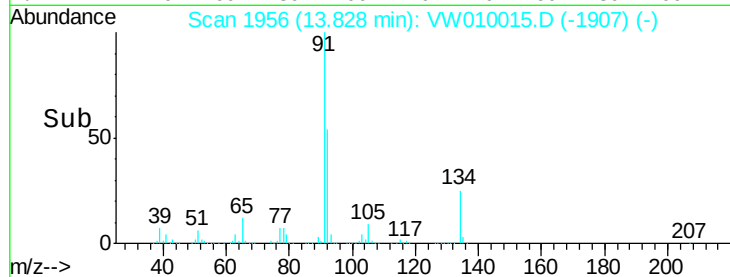
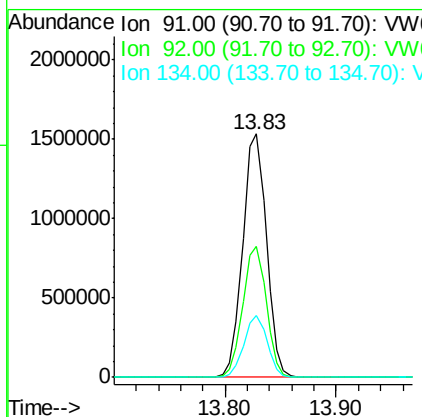
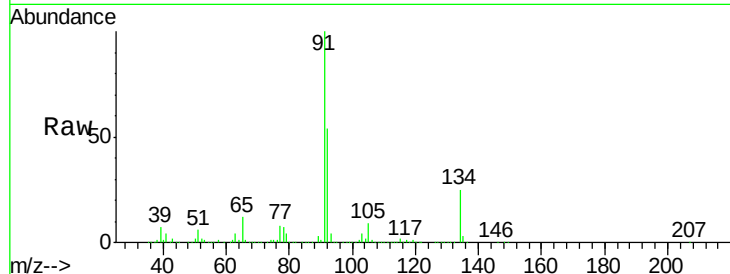
#89
n-Butylbenzene
Concen: 108.601 ug/l
RT: 13.83 min Scan# 1956
Delta R.T. -0.00 min
Lab File: VW010015.D
Acq: 17 Apr 2019 12:44

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC100

Tot Ion	Ion	Ratio	Lower	Upper
91	100			
92	53.6	26.5	79.4	
134	24.9	12.4	37.0	

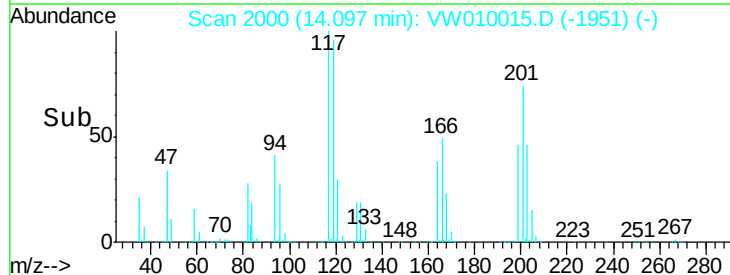
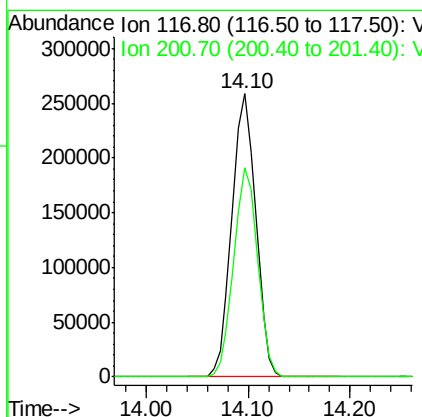
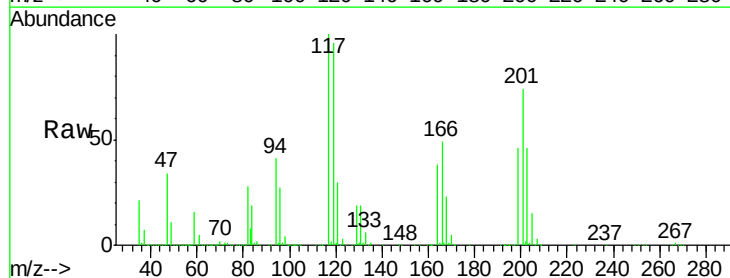
Manual Integrations
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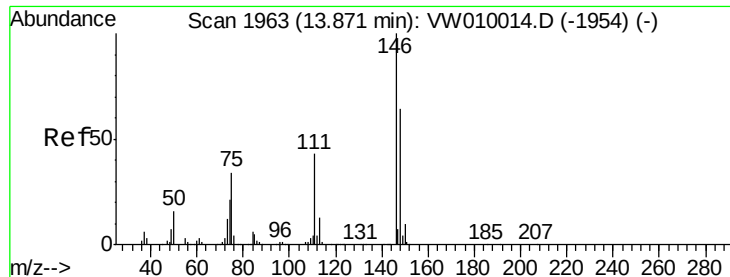
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#90
Hexachloroethane
Concen: 104.207 ug/l
RT: 14.10 min Scan# 2000
Delta R.T. -0.00 min
Lab File: VW010015.D
Acq: 17 Apr 2019 12:44

Tgt Ion	Ion	Ratio	Lower	Upper
117	100			
201	73.7	36.1	108.3	





#91

1,2-Dichlorobenzene

Concen: 99.186 ug/l

RT: 13.87 min Scan# 1963

Delta R.T. -0.00 min

Lab File: VW010015.D

Acq: 17 Apr 2019 12:44

Instrument :

MSVOA_W

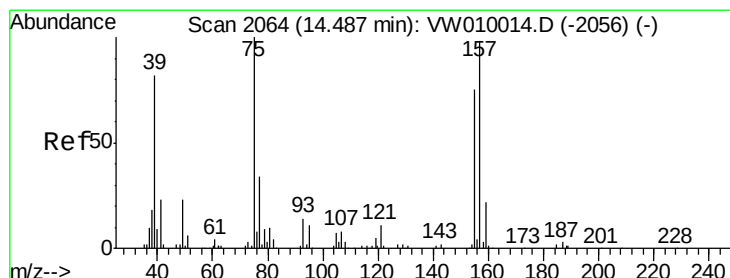
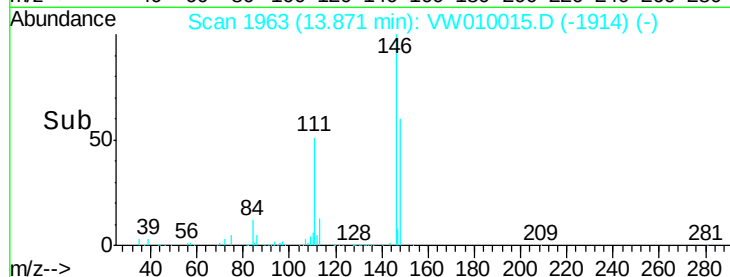
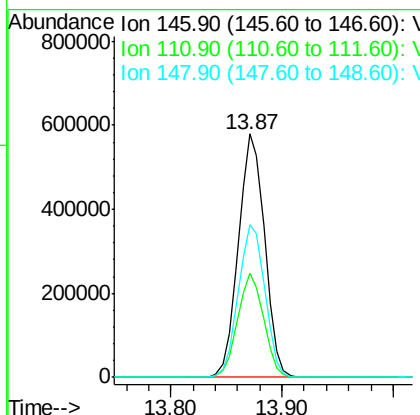
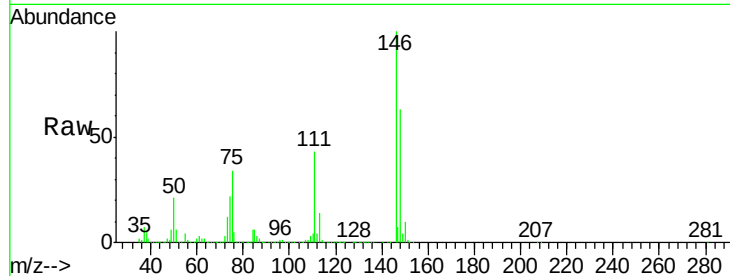
ClientSampleId :

VSTDIC100

Tot Ion:	146	Resp:	943063
Ion Ratio		Lower	Upper
146	100		
111	42.5	20.9	62.8
148	63.6	31.9	95.7

Manual Integrations
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#92

1,2-Dibromo-3-Chloropropane

Concen: 101.259 ug/l

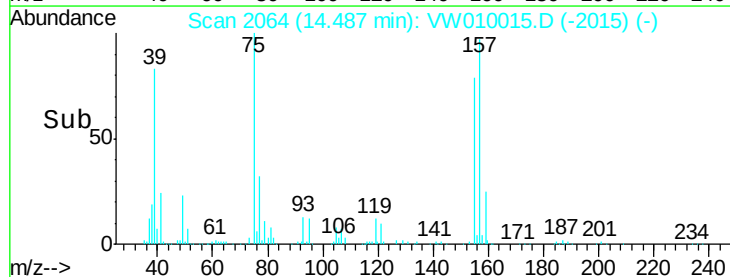
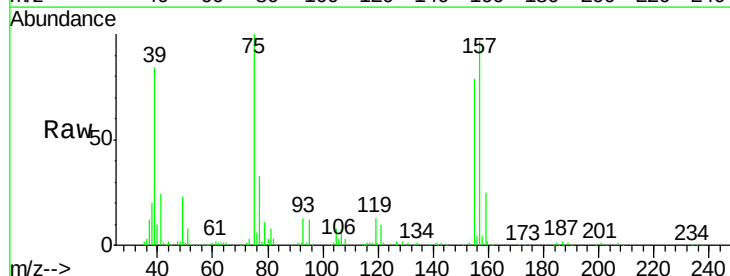
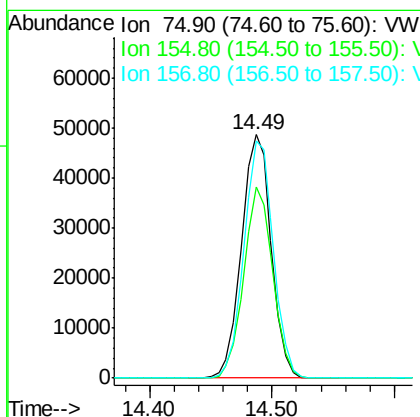
RT: 14.49 min Scan# 2064

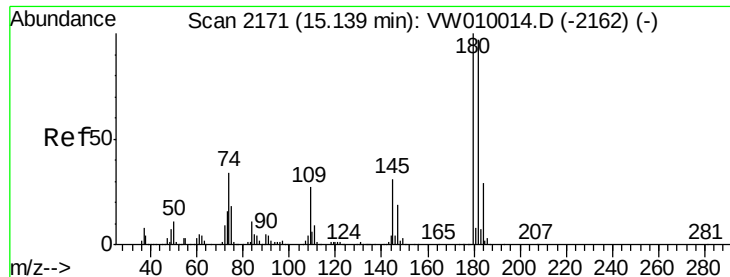
Delta R.T. -0.00 min

Lab File: VW010015.D

Acq: 17 Apr 2019 12:44

Tgt Ion:	75	Resp:	81660
Ion Ratio		Lower	Upper
75	100		
155	77.0	37.1	111.5
157	96.8	47.3	141.9





#93

1,2,4-Trichlorobenzene

Concen: 104.950 ug/l

RT: 15.14 min Scan# 2171

Delta R.T. -0.00 min

Lab File: VW010015.D

Acq: 17 Apr 2019 12:44

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC100

Tot Ion:180 Resp: 658319

Ion Ratio Lower Upper

180 100

182 94.5 47.1 141.4

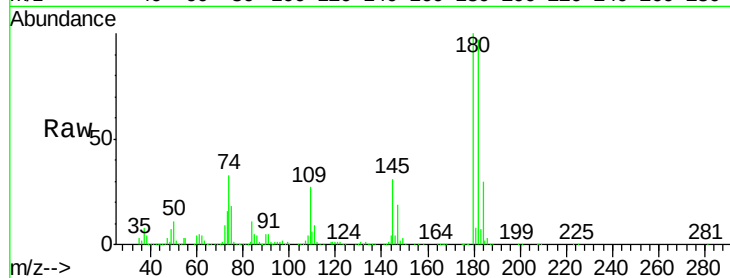
145 30.9 15.2 45.6

Manual Integrations

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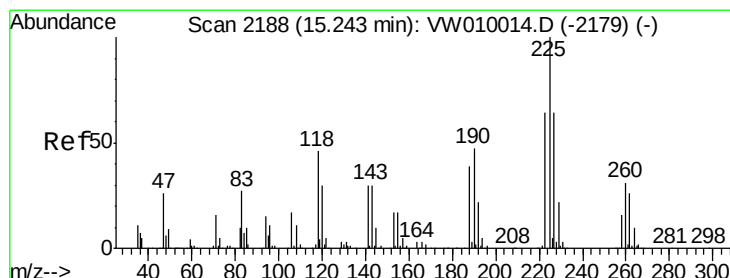
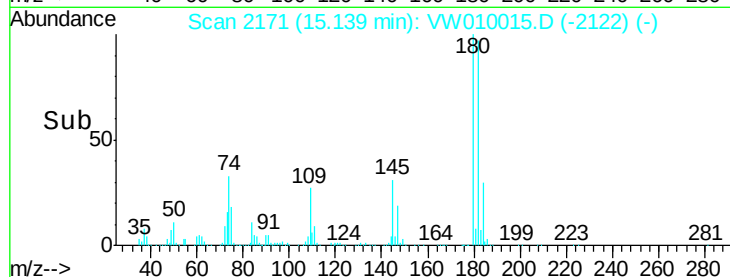
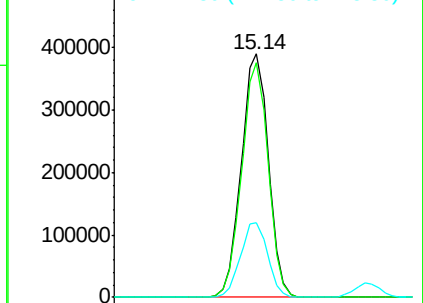
4/18/2019 11:40:17 AM



Abundance Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.80 (144.50 to 145.50): V



#94

Hexachlorobutadiene

Concen: 101.584 ug/l

RT: 15.24 min Scan# 2188

Delta R.T. -0.00 min

Lab File: VW010015.D

Acq: 17 Apr 2019 12:44

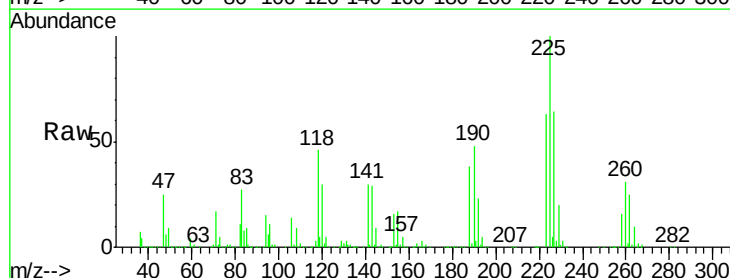
Tgt Ion:225 Resp: 386946

Ion Ratio Lower Upper

225 100

223 62.4 31.9 95.5

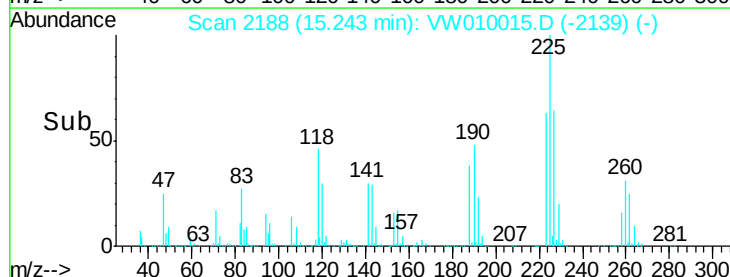
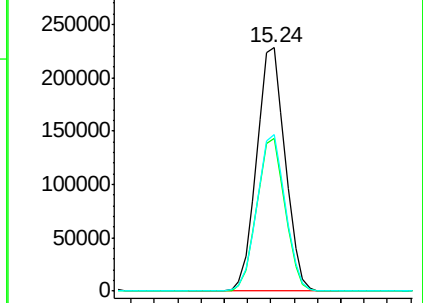
227 63.9 31.8 95.3

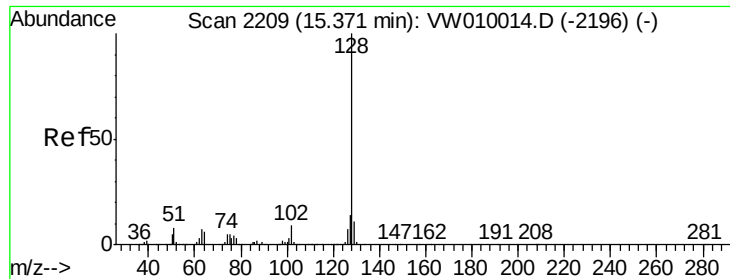


Abundance Ion 224.70 (224.40 to 225.40): V

Ion 222.70 (222.40 to 223.40): V

Ion 226.70 (226.40 to 227.40): V





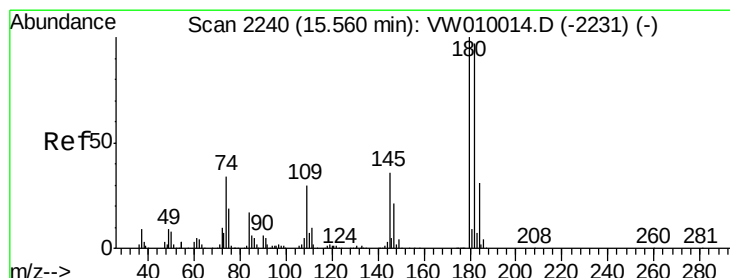
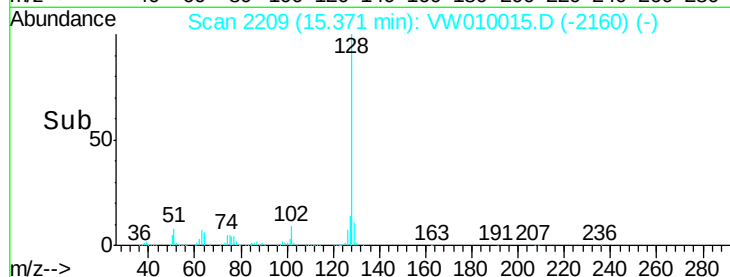
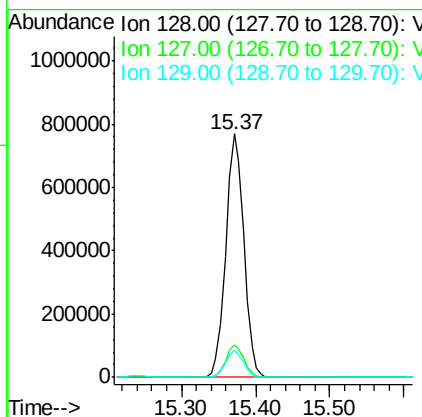
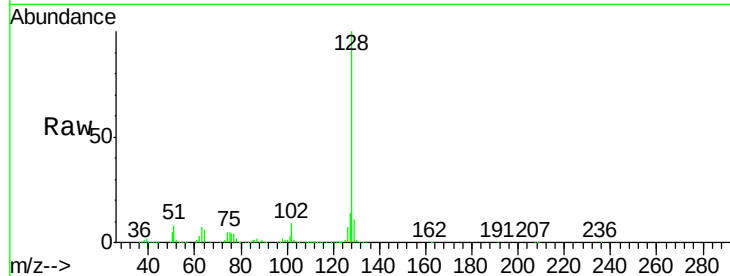
#95
Naphthalene
Concen: 115.654 ug/l
RT: 15.37 min Scan# 2209
Delta R.T. -0.00 min
Lab File: VW010015.D
Acq: 17 Apr 2019 12:44

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Lower	Upper
128	100		
127	13.4	10.6	15.8
129	10.9	8.7	13.1

Manual Integrations
APPROVED

MMDadoda
4/18/2019 11:40:17 AM



#96
1,2,3-Trichlorobenzene
Concen: 104.783 ug/l
RT: 15.56 min Scan# 2240
Delta R.T. -0.00 min
Lab File: VW010015.D
Acq: 17 Apr 2019 12:44

Tgt Ion	Ratio	Lower	Upper
180	100		
182	96.5	47.8	143.3
145	32.9	16.4	49.2

