

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW041719\
 Data File : VW010033.D
 Acq On : 18 Apr 2019 02:14
 Operator : SY/VA
 Sample : VW0417SBS02
 Misc : 5.00G/5ML/MSVOA W/SOIL
 ALS Vial : 32 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0417SBS02

Manual Integrations
 APPROVED

MMDadoda
 4/18/2019 11:39:22 AM

Quant Time: Apr 18 04:38:17 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W041719S.M
 Quant Title : SW846 8260
 QLast Update : Thu Apr 18 02:23:40 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	327635	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	561143	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	525904	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	265531	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.30	65	235831	58.33	ug/l	0.00
Spiked Amount	50.000		Recovery	=	116.66%	
35) Dibromofluoromethane	7.88	113	185822	52.09	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.18%	
50) Toluene-d8	10.32	98	721123	53.94	ug/l	0.00
Spiked Amount	50.000		Recovery	=	107.88%	
62) 4-Bromofluorobenzene	12.62	95	259844	53.47	ug/l	0.00
Spiked Amount	50.000		Recovery	=	106.94%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.01	85	46804	18.735	ug/l	96
3) Chloromethane	2.21	50	48566	19.440	ug/l	98
4) Vinyl Chloride	2.37	62	55751	19.199	ug/l	95
5) Bromomethane	2.77	94	41148	21.085	ug/l	97
6) Chloroethane	2.92	64	39945	21.053	ug/l	98
7) Trichlorofluoromethane	3.25	101	32129	16.002	ug/l	93
8) Diethyl Ether	3.67	74	37360	22.370	ug/l	96
9) 1,1,2-Trichlorotrifluoroet	4.05	101	70224	20.786	ug/l	96
10) Methyl Iodide	4.26	142	100656	21.559	ug/l	99
11) Tert butyl alcohol	5.17	59	28004	121.596	ug/l	99
12) 1,1-Dichloroethene	4.03	96	66199	20.438	ug/l	93
13) Acrolein	3.89	56	23227	95.865	ug/l	94
14) Allyl chloride	4.65	41	116797	20.283	ug/l	99
15) Acrylonitrile	5.36	53	100496	116.925	ug/l	100
16) Acetone	4.12	43	90956	96.957	ug/l	96
17) Carbon Disulfide	4.37	76	173089	18.603	ug/l	96
18) Methyl Acetate	4.67	43	51775	23.847	ug/l	99
19) Methyl tert-butyl Ether	5.43	73	100515	23.892	ug/l	97
20) Methylene Chloride	4.91	84	96019	24.093	ug/l	97
21) trans-1,2-Dichloroethene	5.42	96	75776	21.605	ug/l	91
22) Diisopropyl ether	6.31	45	272877	23.362	ug/l	99
23) Vinyl Acetate	6.25	43	848356	115.375	ug/l	99
24) 1,1-Dichloroethane	6.21	63	158142	22.648	ug/l	99
25) 2-Butanone	7.17	43	138470	112.366	ug/l	97
26) 2,2-Dichloropropane	7.15	77	68826	17.816	ug/l	100
27) cis-1,2-Dichloroethene	7.17	96	81246	21.062	ug/l	99
28) Bromochloromethane	7.51	49	69160	24.236	ug/l	99
29) Tetrahydrofuran	7.52	42	97028	124.263	ug/l	98
30) Chloroform	7.67	83	160089	22.881	ug/l	99
31) Cyclohexane	7.95	56	130528	19.963	ug/l	95
32) 1,1,1-Trichloroethane	7.87	97	116184	21.153	ug/l	98
36) 1,1-Dichloropropene	8.07	75	114829	20.033	ug/l	100
37) Ethyl Acetate	7.25	43	69720	23.937	ug/l	99
38) Carbon Tetrachloride	8.07	117	110964	19.836	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.33	83	121493	18.199	ug/l	99
40) Benzene	8.32	78	330505	21.088	ug/l	100
41) Methacrylonitrile	7.48	41	39555	23.828	ug/l	97
42) 1,2-Dichloroethane	8.40	62	119244	22.139	ug/l	100
43) Isopropyl Acetate	8.43	43	123248	22.581	ug/l	98
44) Trichloroethene	9.09	130	82457	20.714	ug/l	94
45) 1,2-Dichloropropane	9.37	63	90109	21.873	ug/l	99
46) Dibromomethane	9.46	93	47184	22.099	ug/l	98
47) Bromodichloromethane	9.64	83	116966	21.221	ug/l	99
48) Methyl methacrylate	9.43	41	59482	22.388	ug/l	99
49) 1,4-Dioxane	9.45	88	15196	465.777	ug/l	99
51) 4-Methyl-2-Pentanone	10.21	43	343919	120.307	ug/l	99
52) Toluene	10.39	92	206826	21.185	ug/l	100
53) t-1,3-Dichloropropene	10.60	75	111357	20.378	ug/l	96
54) cis-1,3-Dichloropropene	10.07	75	124818	20.003	ug/l	97
55) 1,1,2-Trichloroethane	10.79	97	66032	22.157	ug/l	96
56) Ethyl methacrylate	10.65	69	80552	21.078	ug/l	97
57) 1,3-Dichloropropane	10.93	76	120838	22.623	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.92	63	238790	134.095	ug/l	100
59) 2-Hexanone	10.97	43	230438	115.801	ug/l	99
60) Dibromochloromethane	11.13	129	73757	21.413	ug/l	98
61) 1,2-Dibromoethane	11.23	107	62123	21.913	ug/l	99
64) Tetrachloroethene	10.86	164	79430	23.266	ug/l	94
65) Chlorobenzene	11.66	112	230694	21.432	ug/l	97
66) 1,1,1,2-Tetrachloroethane	11.73	131	81280	21.116	ug/l	98
67) Ethyl Benzene	11.73	91	390816	20.350	ug/l	99
68) m/p-Xylenes	11.84	106	297736	41.475	ug/l	99
69) o-Xylene	12.17	106	136971	20.955	ug/l	100
70) Styrene	12.18	104	232328	20.614	ug/l	99
71) Bromoform	12.35	173	43919	21.577	ug/l #	98
73) Isopropylbenzene	12.46	105	381834	20.662	ug/l	99
74) N-amyl acetate	12.27	43	113260	22.131	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.71	83	81058	22.201	ug/l	99
76) 1,2,3-Trichloropropane	12.77	75	57830m	21.761	ug/l	
77) Bromobenzene	12.75	156	91209	21.460	ug/l	99
78) n-propylbenzene	12.80	91	478228	20.879	ug/l	99
79) 2-Chlorotoluene	12.90	91	278633	21.152	ug/l	99
80) 1,3,5-Trimethylbenzene	12.94	105	325147	20.751	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.51	75	21544	19.115	ug/l	93
82) 4-Chlorotoluene	12.99	91	292838	21.122	ug/l	99
83) tert-Butylbenzene	13.21	119	271308	20.909	ug/l	98
84) 1,2,4-Trimethylbenzene	13.26	105	341164	21.475	ug/l	98
85) sec-Butylbenzene	13.38	105	404322	20.851	ug/l	100
86) p-Isopropyltoluene	13.50	119	345903	20.239	ug/l	99
87) 1,3-Dichlorobenzene	13.50	146	181641	21.142	ug/l	99
88) 1,4-Dichlorobenzene	13.58	146	177342	20.679	ug/l	97
89) n-Butylbenzene	13.83	91	331025	19.549	ug/l	100
90) Hexachloroethane	14.10	117	66870	20.427	ug/l	97
91) 1,2-Dichlorobenzene	13.87	146	166612	21.628	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.49	75	14296	21.880	ug/l	97

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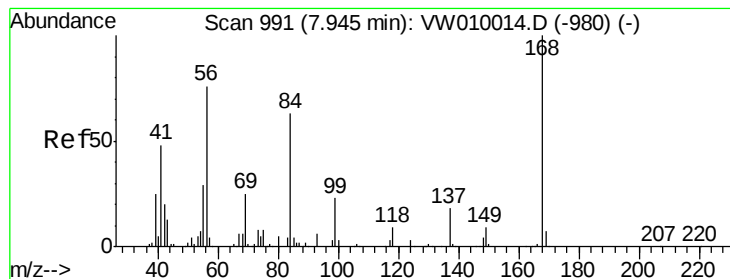
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.14	180	104810	20.623	ug/l	98
94) Hexachlorobutadiene	15.24	225	60371	19.562	ug/l	100
95) Naphthalene	15.37	128	202820	21.680	ug/l	99
96) 1,2,3-Trichlorobenzene	15.56	180	94299	21.386	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 991

Delta R.T. 0.00 min

Lab File: VW010033.D

Acq: 18 Apr 2019 02:14

Instrument :

MSVOA_W

ClientSampleId :

VW0417SBSD02

Tot Ion:168 Resp: 327635

Ion Ratio Lower Upper

168 100

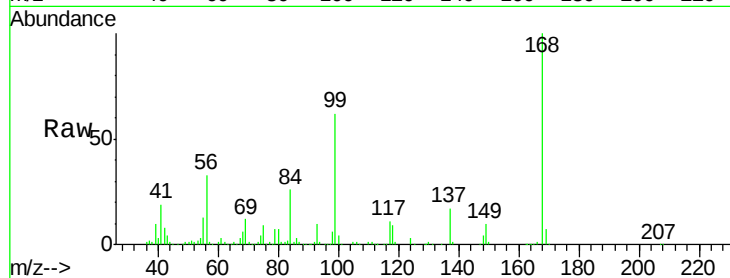
99 61.6 48.4 72.6

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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

150000

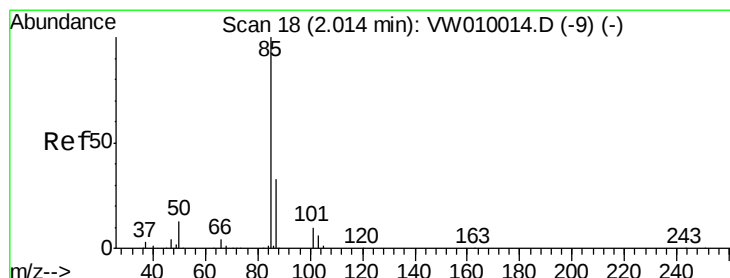
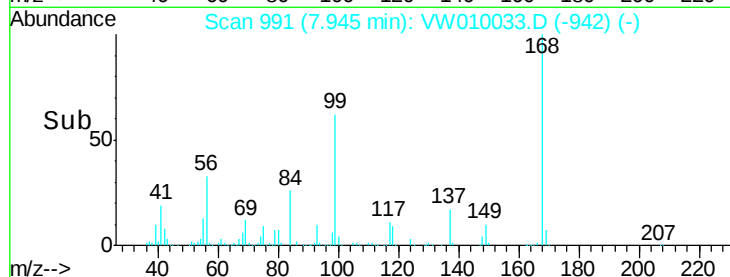
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50000

0

7.90 8.00

Time-->



#2

Dichlorodifluoromethane

Concen: 18.735 ug/l

RT: 2.01 min Scan# 17

Delta R.T. -0.01 min

Lab File: VW010033.D

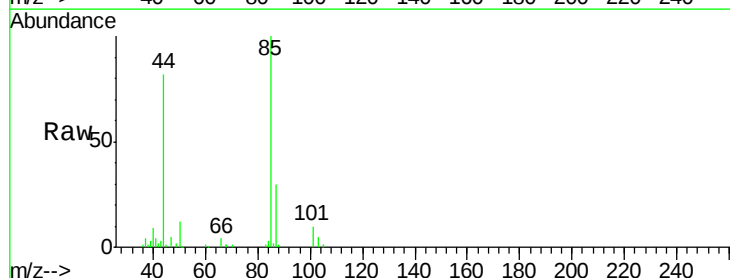
Acq: 18 Apr 2019 02:14

Tgt Ion: 85 Resp: 46804

Ion Ratio Lower Upper

85 100

87 30.5 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

15000

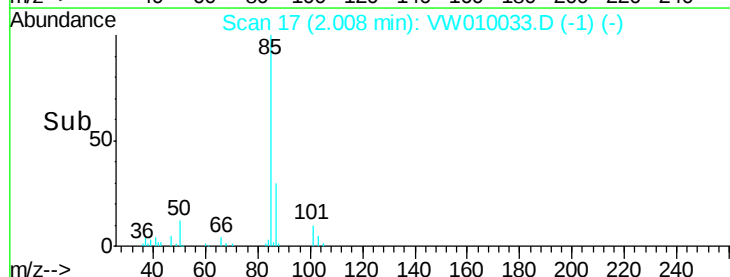
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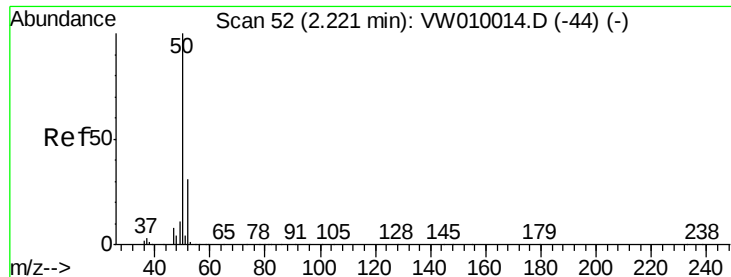
5000

0

1.90 2.00 2.10 2.20

Time-->





#3

Chloromethane

Concen: 19.440 ug/l

RT: 2.21 min Scan# 51

Delta R.T. -0.01 min

Lab File: VW010033.D

Acq: 18 Apr 2019 02:14

Instrument :

MSVOA_W

ClientSampleId :

VW0417SBSD02

Tot Ion: 50 Resp: 48566

Ion Ratio Lower Upper

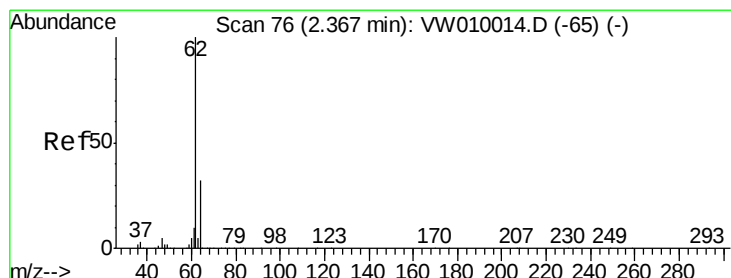
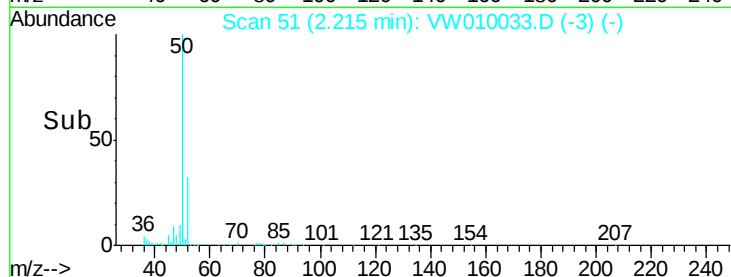
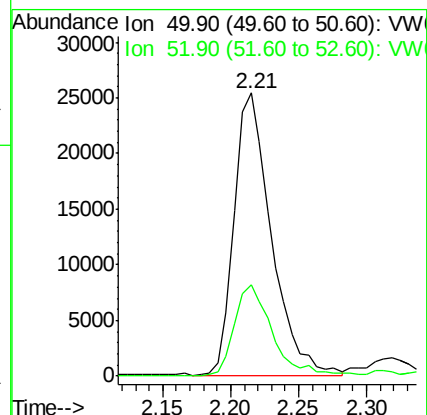
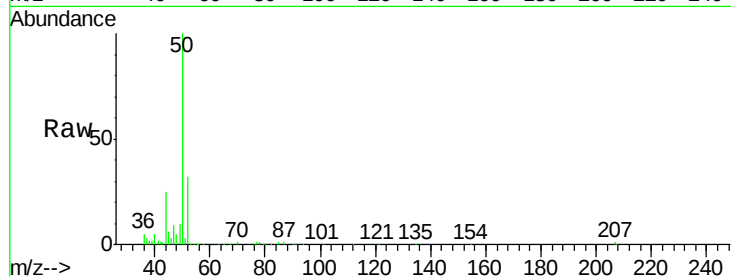
50 100

52 32.3 25.0 37.6

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#4

Vinyl Chloride

Concen: 19.199 ug/l

RT: 2.37 min Scan# 76

Delta R.T. 0.00 min

Lab File: VW010033.D

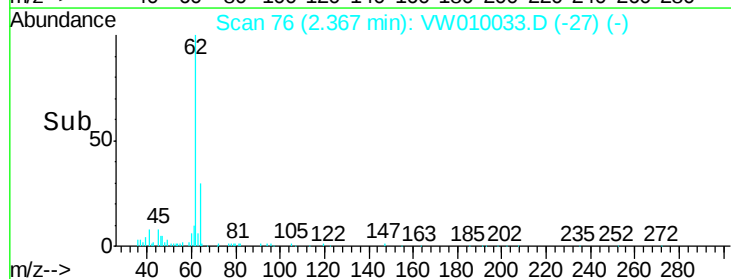
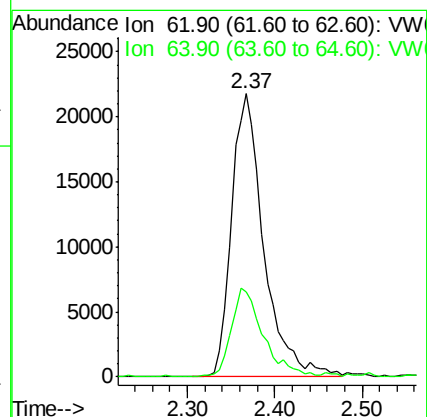
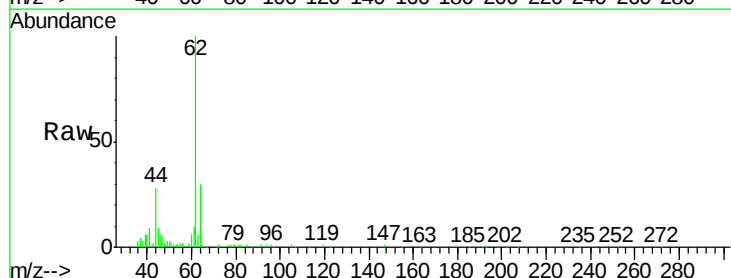
Acq: 18 Apr 2019 02:14

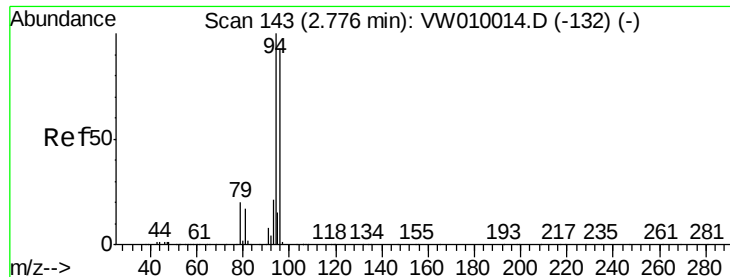
Tgt Ion: 62 Resp: 55751

Ion Ratio Lower Upper

62 100

64 29.8 25.9 38.9





#5

Bromomethane

Concen: 21.085 ug/l

RT: 2.77 min Scan# 142

Delta R.T. -0.01 min

Lab File: VW010033.D

Acq: 18 Apr 2019 02:14

Instrument :

MSVOA_W

ClientSampleId :

VW0417SBS02

Tot Ion: 94 Resp: 41148

Ion Ratio Lower Upper

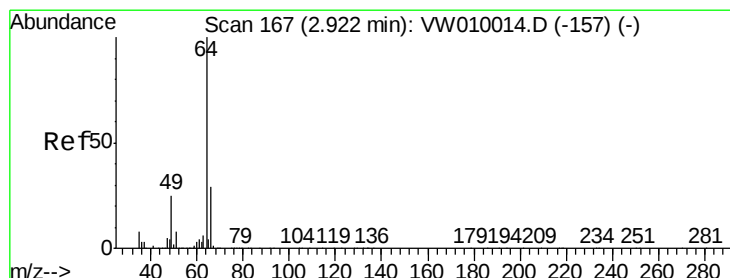
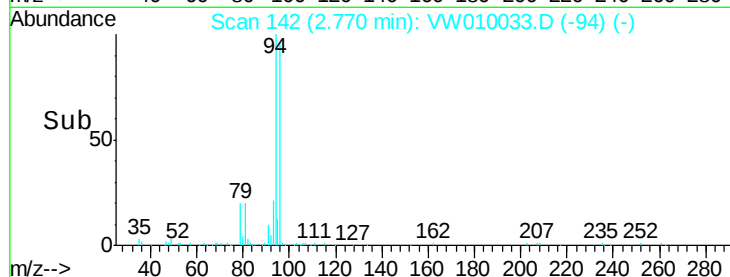
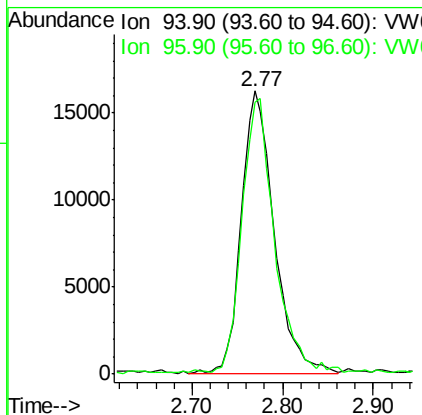
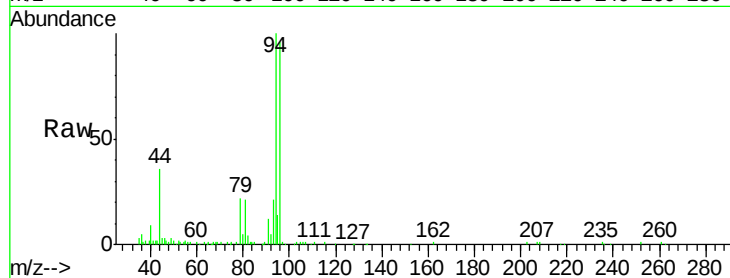
94 100

96 95.5 74.2 111.2

Manual Integrations
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#6

Chloroethane

Concen: 21.053 ug/l

RT: 2.92 min Scan# 167

Delta R.T. 0.00 min

Lab File: VW010033.D

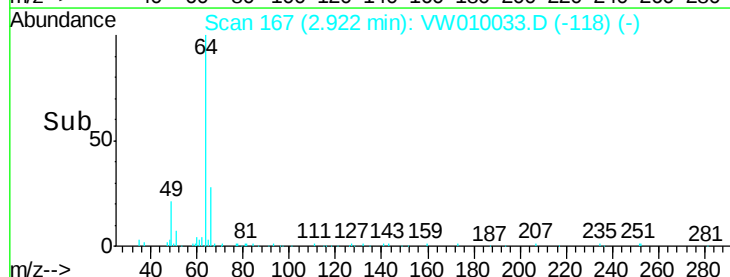
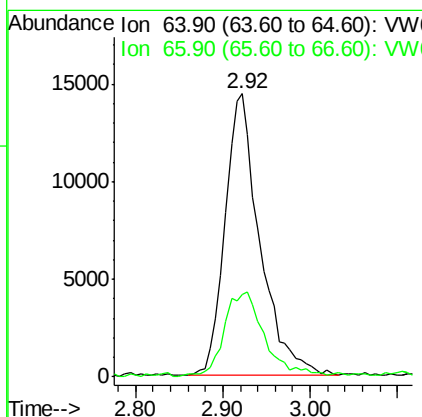
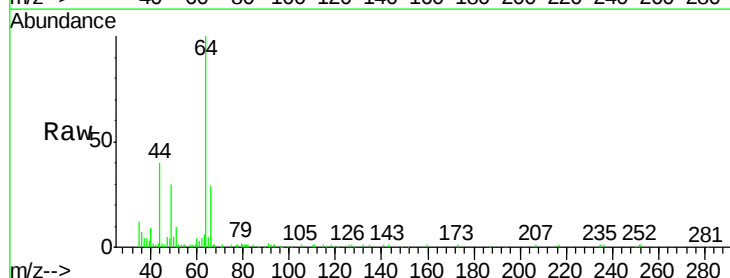
Acq: 18 Apr 2019 02:14

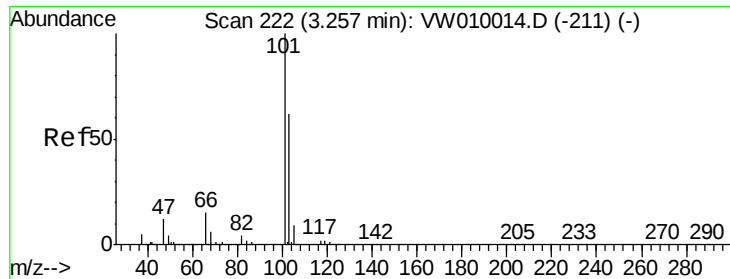
Tgt Ion: 64 Resp: 39945

Ion Ratio Lower Upper

64 100

66 28.0 23.4 35.0





#7

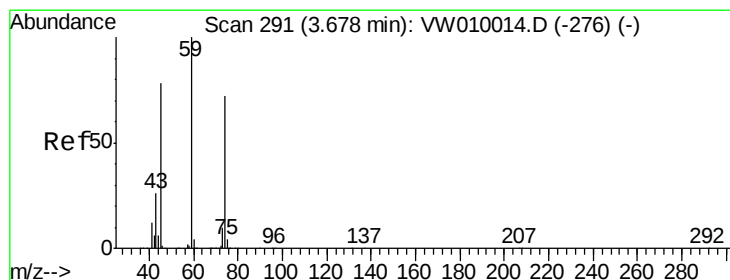
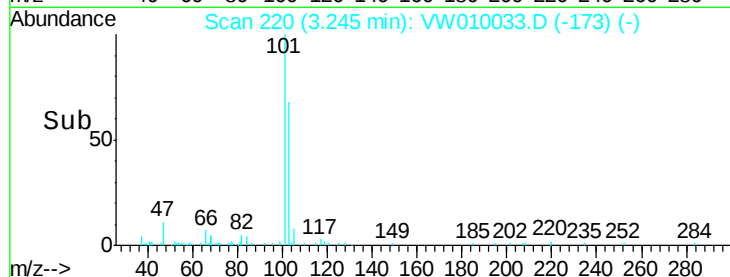
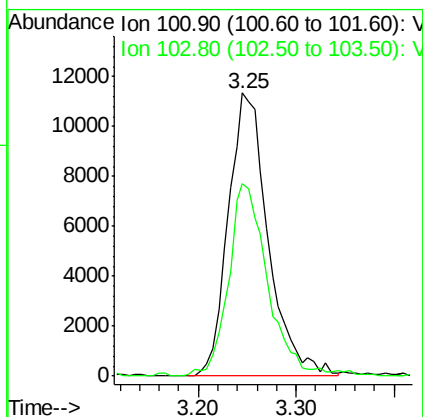
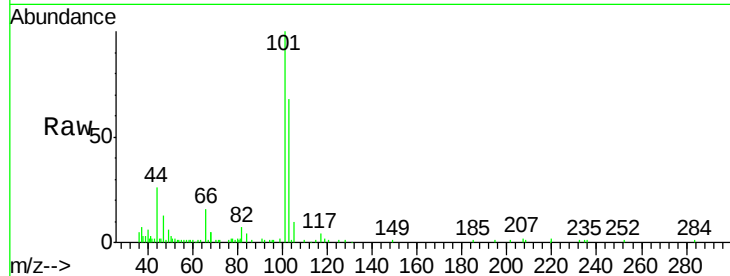
Trichlorofluoromethane
 Concen: 16.002 ug/l
 RT: 3.25 min Scan# 220
 Delta R.T. -0.01 min
 Lab File: VW010033.D
 Acq: 18 Apr 2019 02:14

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 ClientSampleId :
 VW0417SBSD02

Tot Ion	Ratio	Lower	Upper
101	100		
103	67.5	49.8	74.6

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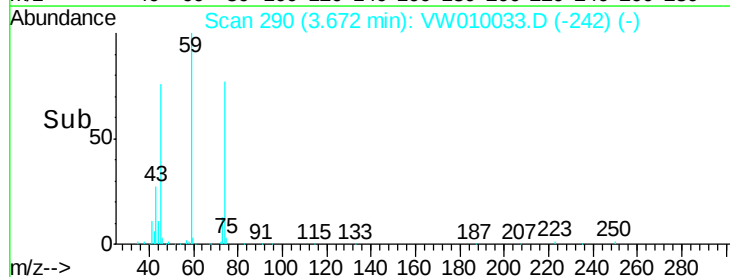
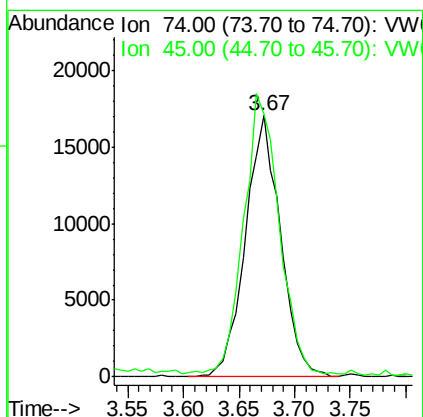
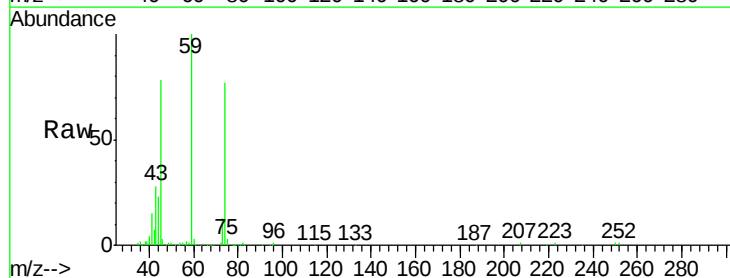
MMDadoda
 4/18/2019 11:39:22 AM

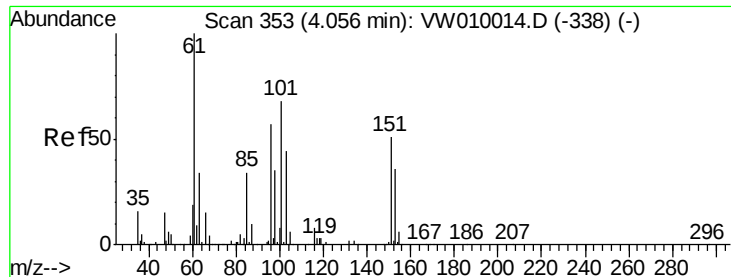


#8

Diethyl Ether
 Concen: 22.370 ug/l
 RT: 3.67 min Scan# 290
 Delta R.T. -0.01 min
 Lab File: VW010033.D
 Acq: 18 Apr 2019 02:14

Tgt Ion	Ratio	Lower	Upper
74	100		
45	107.5	56.0	168.0





#9

1,1,2-Trichlorotrifluoroethane

Concen: 20.786 ug/l

RT: 4.05 min Scan# 352

Delta R.T. -0.01 min

Lab File: VW010033.D

Acq: 18 Apr 2019 02:14

Instrument :

MSVOA_W

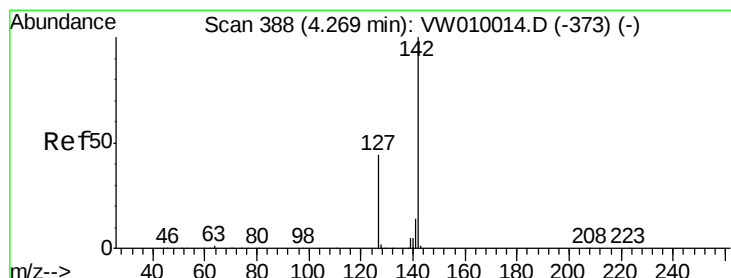
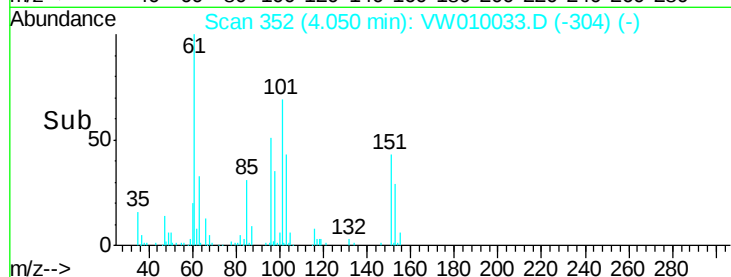
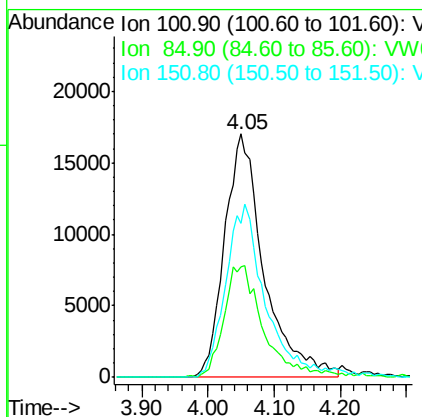
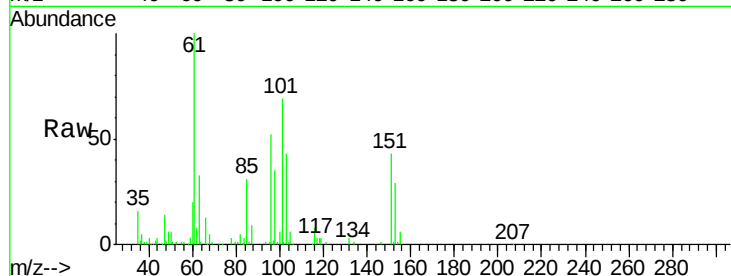
ClientSampleId :

VW0417SBS02

Tot Ion:	101	Resp:	70224
Ion Ratio	Lower	Upper	
101	100		
85	46.2	36.3	54.5
151	70.0	60.2	90.2

Manual Integrations
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4/18/2019 11:39:22 AM



#10

Methyl Iodide

Concen: 21.559 ug/l

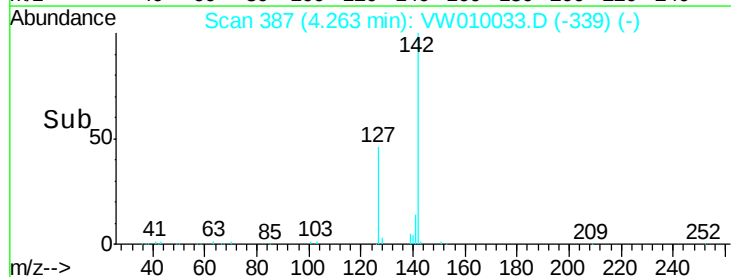
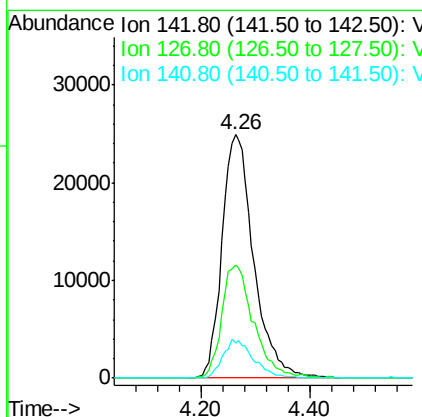
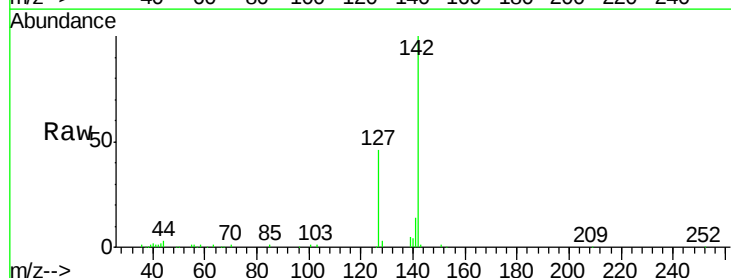
RT: 4.26 min Scan# 387

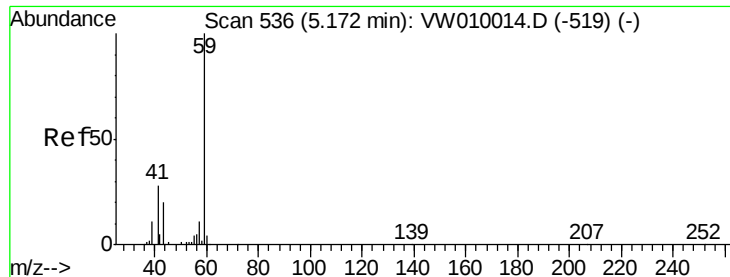
Delta R.T. -0.01 min

Lab File: VW010033.D

Acq: 18 Apr 2019 02:14

Tgt Ion:	142	Resp:	100656
Ion Ratio	Lower	Upper	
142	100		
127	46.6	38.1	57.1
141	15.4	12.2	18.2





#11

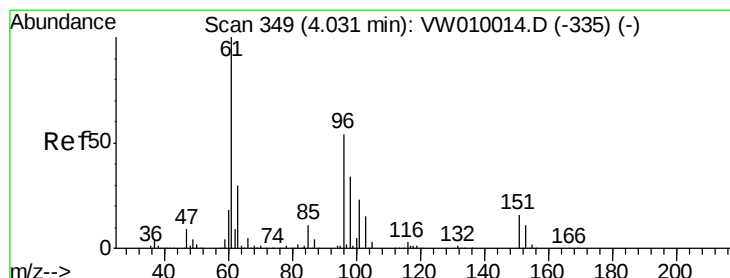
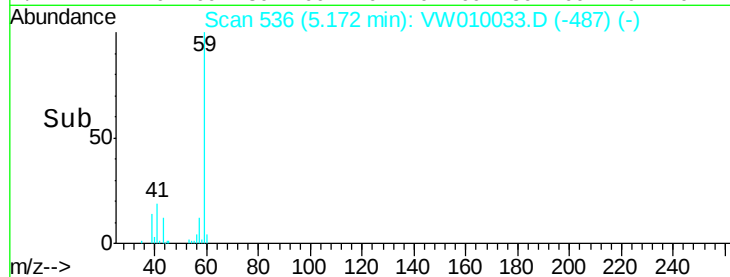
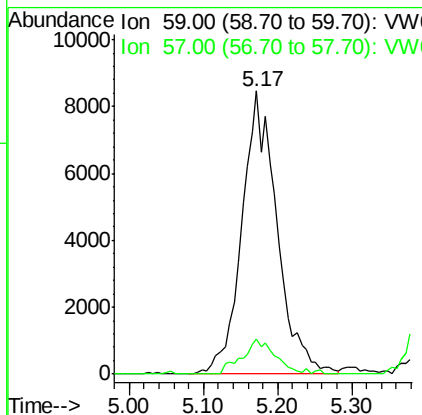
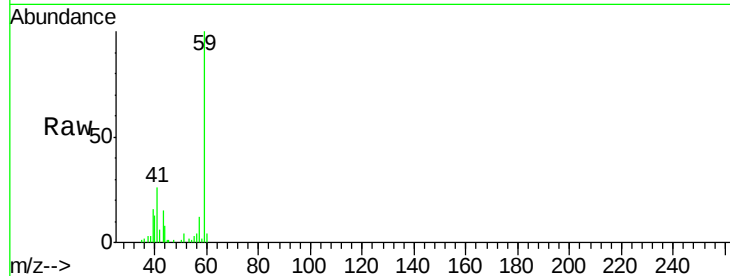
Tert butyl alcohol
 Concen: 121.596 ug/l
 RT: 5.17 min Scan# 536
 Delta R.T. 0.00 min
 Lab File: VW010033.D
 Acq: 18 Apr 2019 02:14

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0417SBS02

Tot Ion	Ratio	Lower	Upper
59	100		
57	11.6	9.0	13.4

Manual Integrations
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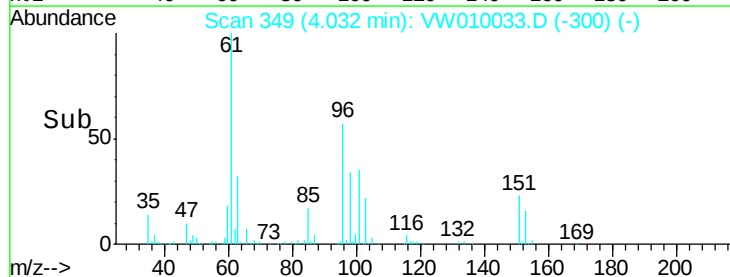
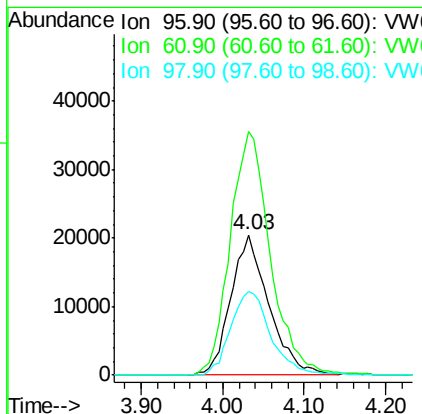
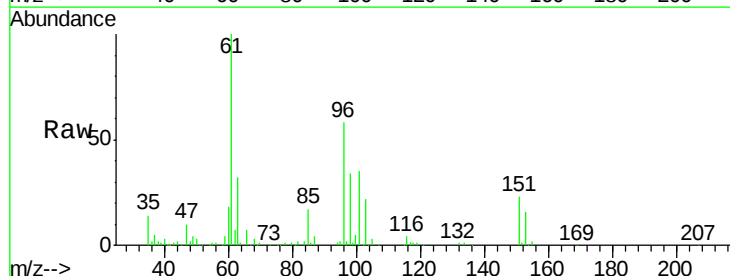
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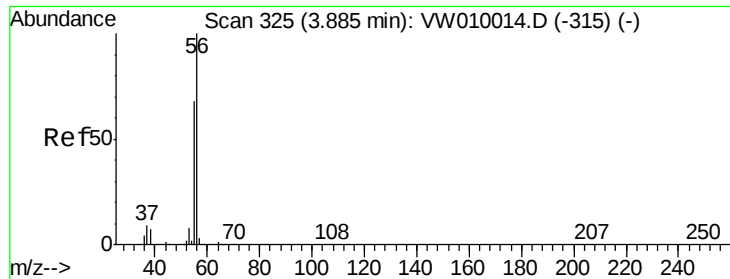


#12

1,1-Dichloroethene
 Concen: 20.438 ug/l
 RT: 4.03 min Scan# 349
 Delta R.T. 0.00 min
 Lab File: VW010033.D
 Acq: 18 Apr 2019 02:14

Tgt Ion	Ratio	Lower	Upper
96	100		
61	173.4	147.4	221.2
98	59.3	49.7	74.5





#13

Acrolein

Concen: 95.865 ug/l

RT: 3.89 min Scan# 326

Delta R.T. 0.01 min

Lab File: VW010033.D

Acq: 18 Apr 2019 02:14

Instrument :

MSVOA_W

ClientSampleId :

VW0417SBS02

Tot Ion: 56 Resp: 23227

Ion Ratio Lower Upper

56 100

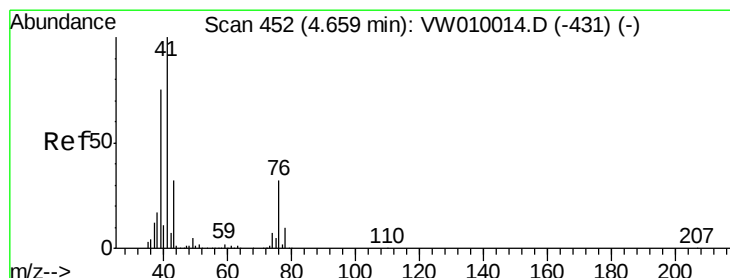
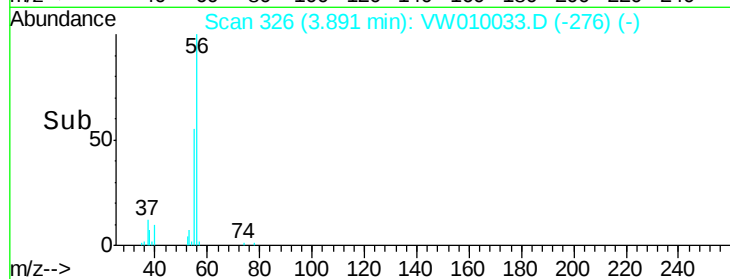
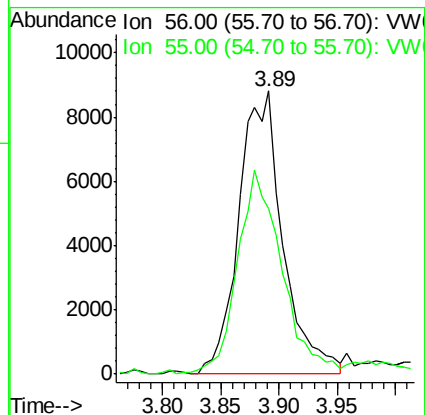
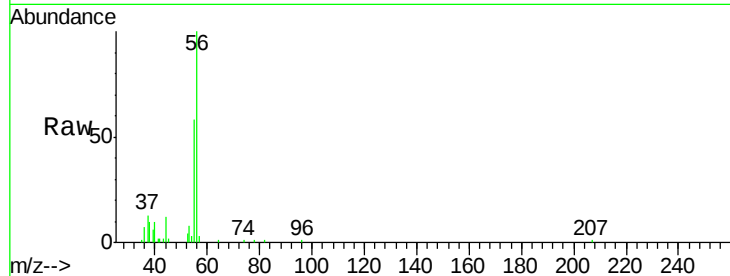
55 72.6 54.2 81.2

Manual Integrations

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#14

Allyl chloride

Concen: 20.283 ug/l

RT: 4.65 min Scan# 451

Delta R.T. -0.01 min

Lab File: VW010033.D

Acq: 18 Apr 2019 02:14

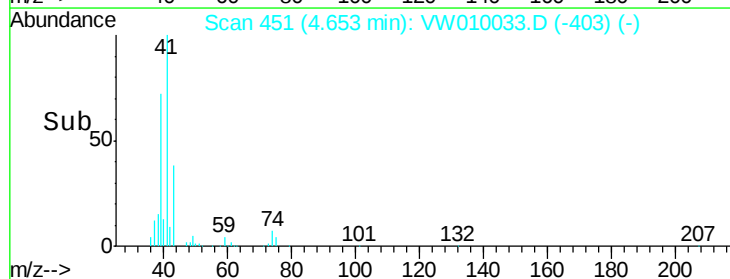
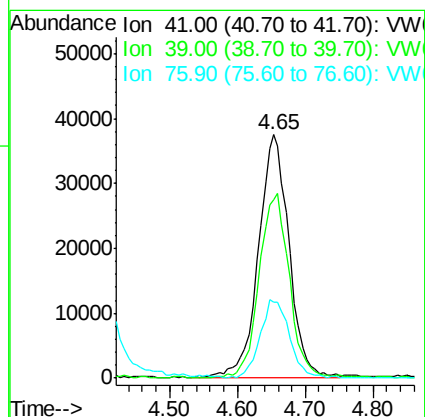
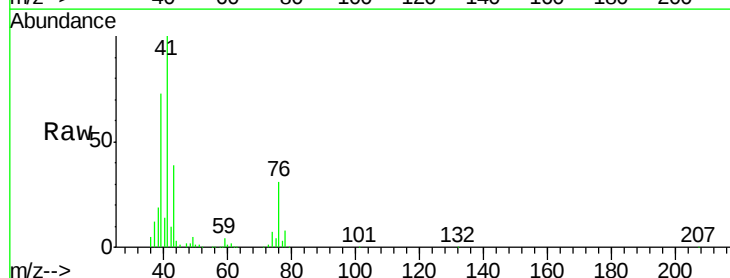
Tgt Ion: 41 Resp: 116797

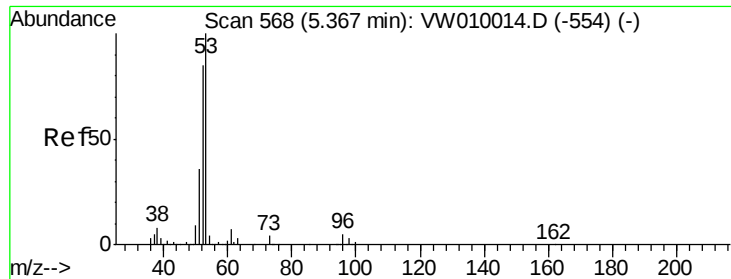
Ion Ratio Lower Upper

41 100

39 75.7 60.2 90.4

76 30.4 25.0 37.6





#15

Acrylonitrile

Concen: 116.925 ug/l

RT: 5.36 min Scan# 567

Delta R.T. -0.01 min

Lab File: VW010033.D

Acq: 18 Apr 2019 02:14

Instrument :

MSVOA_W

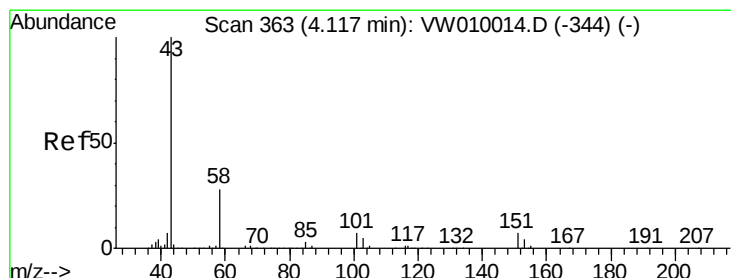
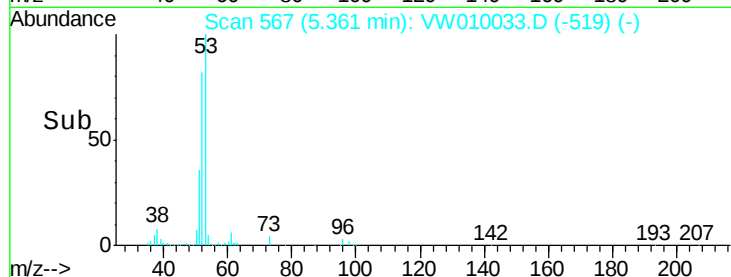
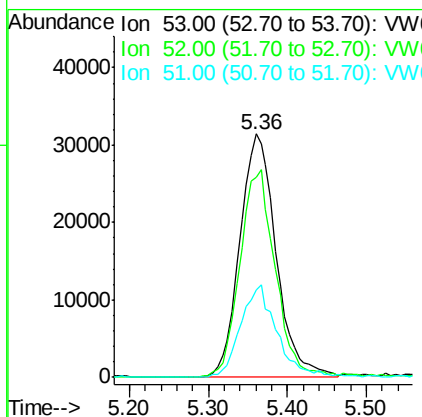
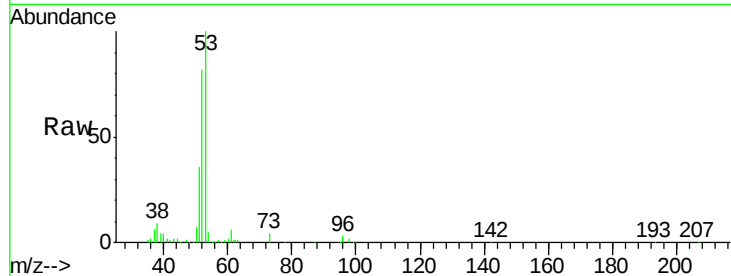
ClientSampleId :

VW0417SBS02

Tot Ion:	53	Resp:	100496
Ion	Ratio	Lower	Upper
53	100		
52	83.5	66.6	100.0
51	37.9	30.3	45.5

Manual Integrations
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#16

Acetone

Concen: 96.957 ug/l

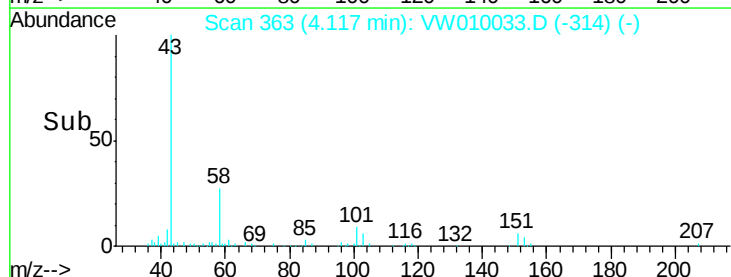
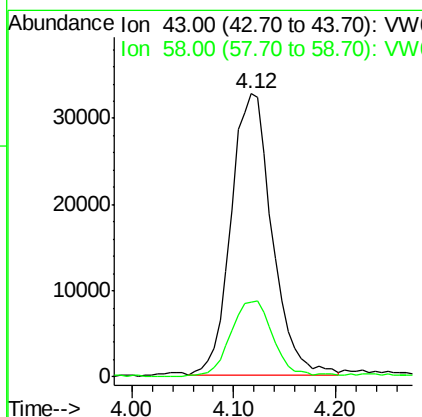
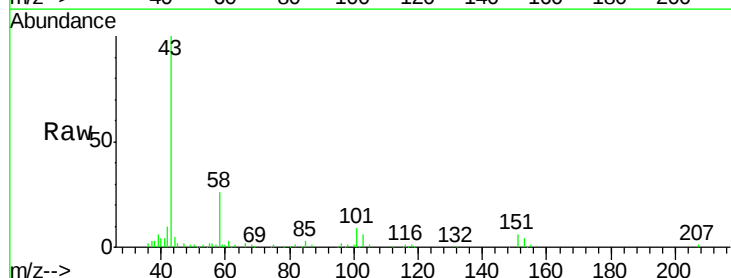
RT: 4.12 min Scan# 363

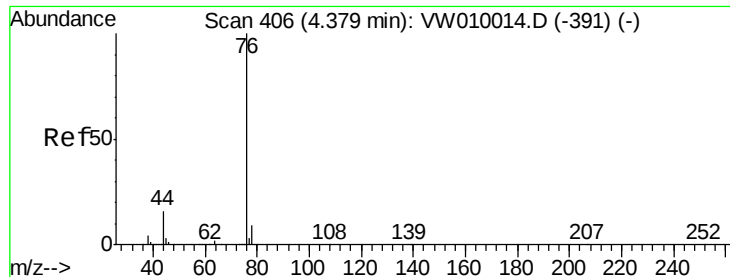
Delta R.T. 0.00 min

Lab File: VW010033.D

Acq: 18 Apr 2019 02:14

Tgt Ion:	43	Resp:	90956
Ion	Ratio	Lower	Upper
43	100		
58	26.0	22.7	34.1





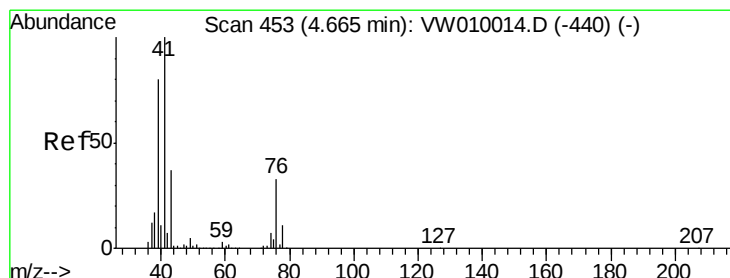
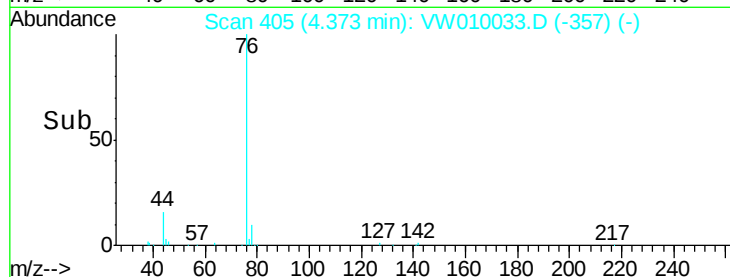
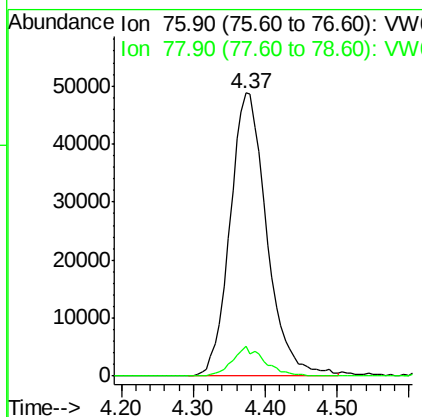
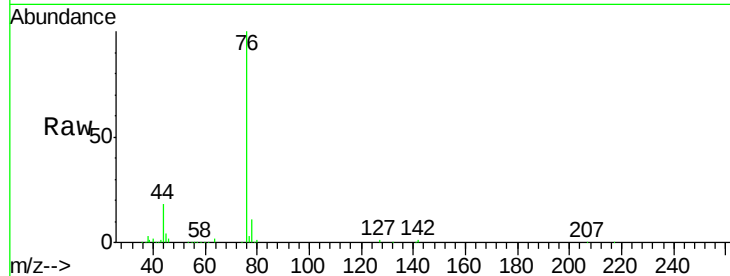
#17
Carbon Disulfide
Concen: 18.603 ug/l
RT: 4.37 min Scan# 405
Delta R.T. -0.01 min
Lab File: VW010033.D
Acq: 18 Apr 2019 02:14

Instrument :
MSVOA_W
ClientSampleId :
VW0417SBSD02

Tot Ion	Ratio	Lower	Upper
76	100		
78	10.6	7.4	11.2

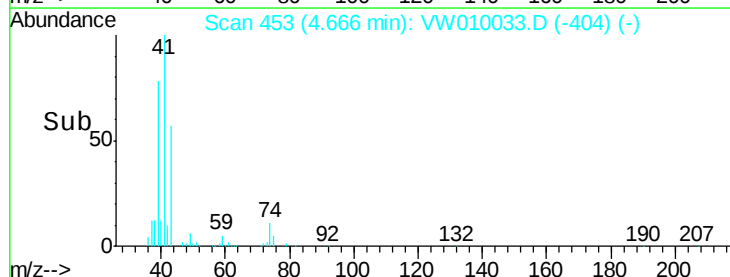
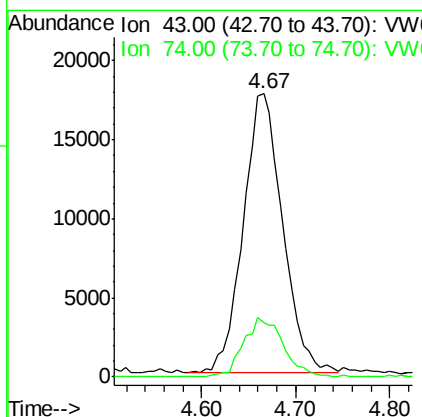
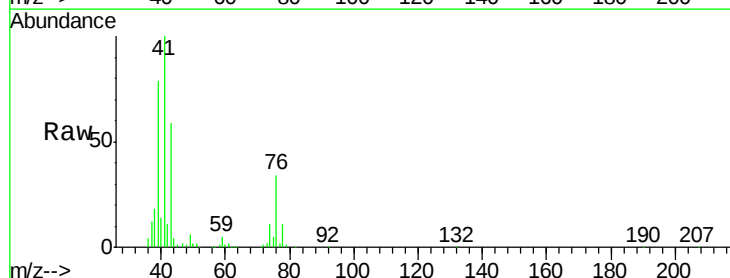
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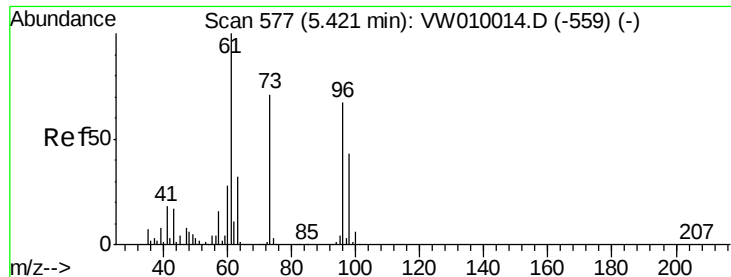
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#18
Methyl Acetate
Concen: 23.847 ug/l
RT: 4.67 min Scan# 453
Delta R.T. 0.00 min
Lab File: VW010033.D
Acq: 18 Apr 2019 02:14

Tgt Ion	Ratio	Lower	Upper
43	100		
74	21.4	16.8	25.2





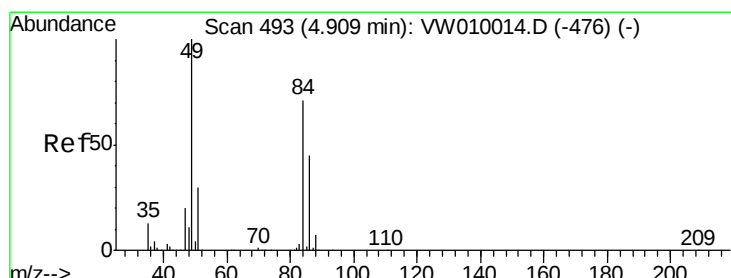
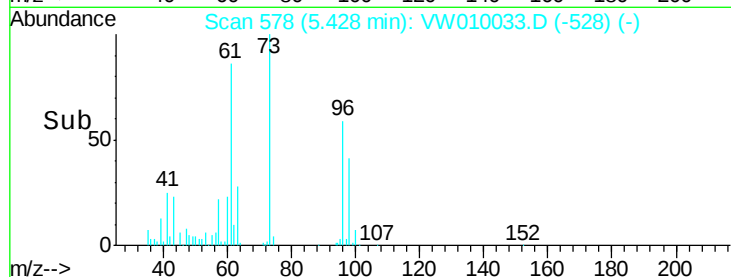
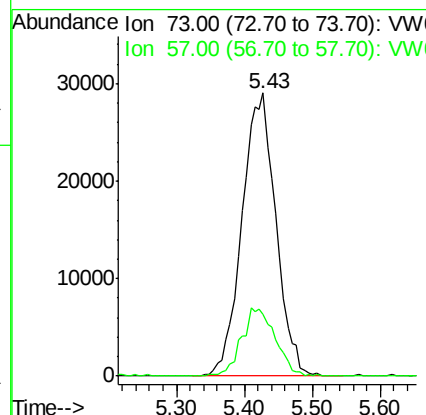
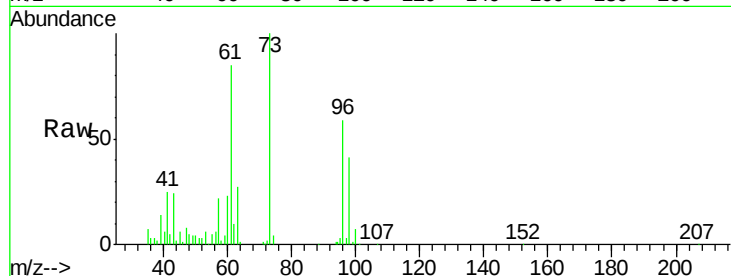
#19
Methvl tert-butvl Ether
Concen: 23.892 ug/l
RT: 5.43 min Scan# 578
Delta R.T. 0.01 min
Lab File: VW010033.D
Acq: 18 Apr 2019 02:14

Instrument :
MSVOA_W
ClientSampleId :
VW0417SBS02

Tot Ion: 73 Resp: 100515
Ion Ratio Lower Upper
73 100
57 21.9 18.5 27.7

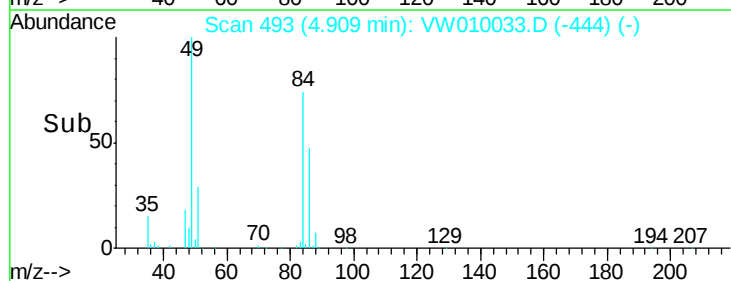
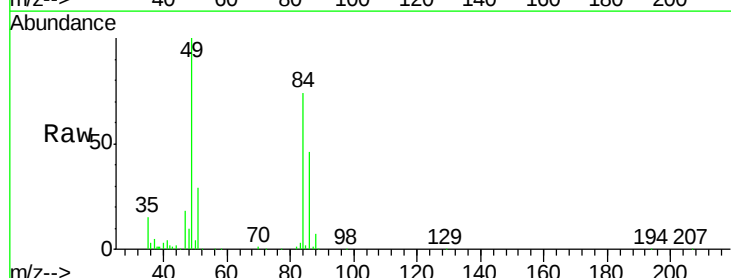
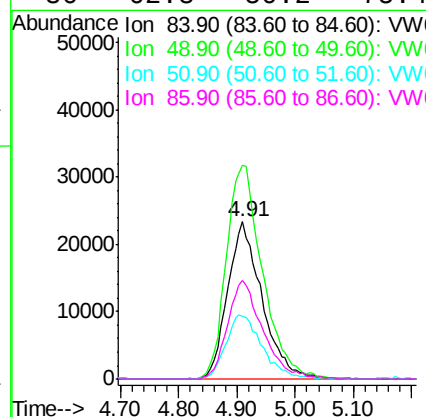
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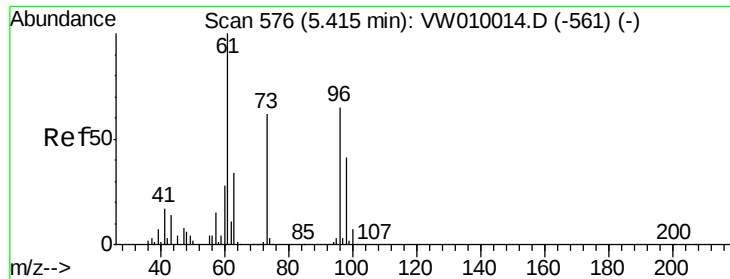
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#20
Methylene Chloride
Concen: 24.093 ug/l
RT: 4.91 min Scan# 493
Delta R.T. 0.00 min
Lab File: VW010033.D
Acq: 18 Apr 2019 02:14

Tgt Ion: 84 Resp: 96019
Ion Ratio Lower Upper
84 100
49 135.7 112.3 168.5
51 39.5 33.9 50.9
86 62.8 50.2 75.4





#21

trans-1,2-Dichloroethene

Concen: 21.605 ug/l

RT: 5.42 min Scan# 576

Delta R.T. 0.00 min

Lab File: VW010033.D

Acq: 18 Apr 2019 02:14

Instrument :

MSVOA_W

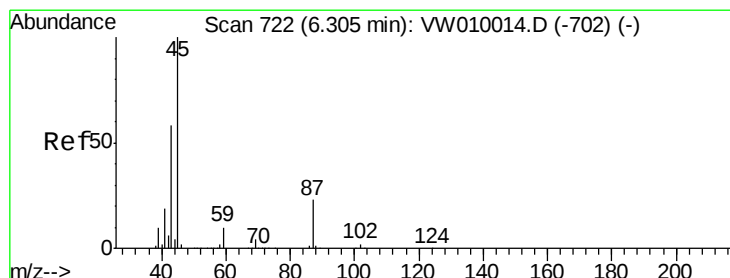
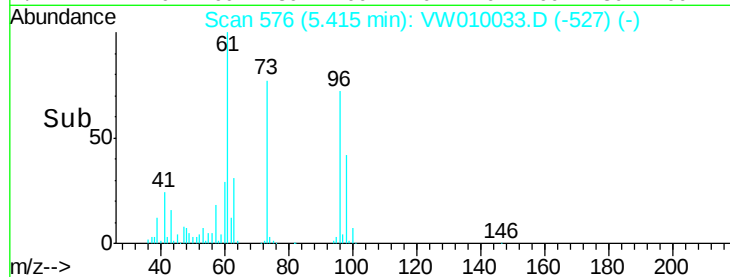
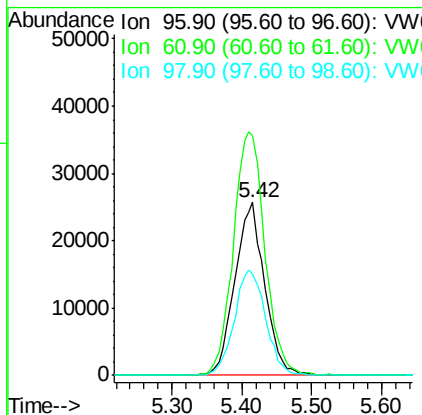
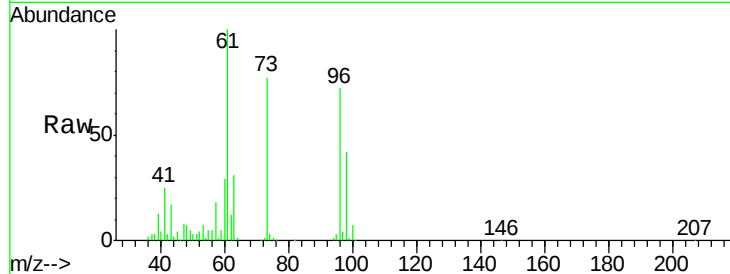
ClientSampleId :

VW0417SBSD02

Tot Ion:	96	Resp:	75776
Ion	Ratio	Lower	Upper
96	100		
61	138.8	122.3	183.5
98	58.9	50.5	75.7

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#22

Diisopropyl ether

Concen: 23.362 ug/l

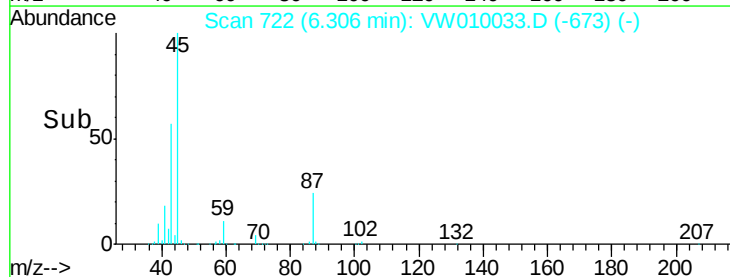
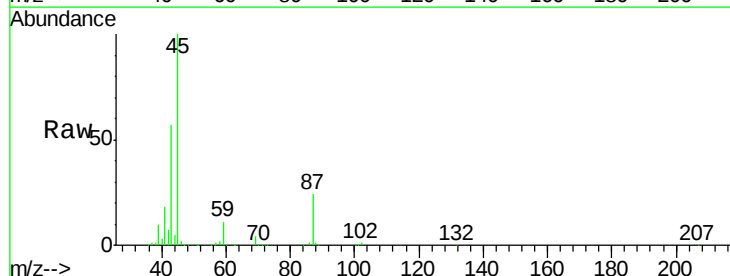
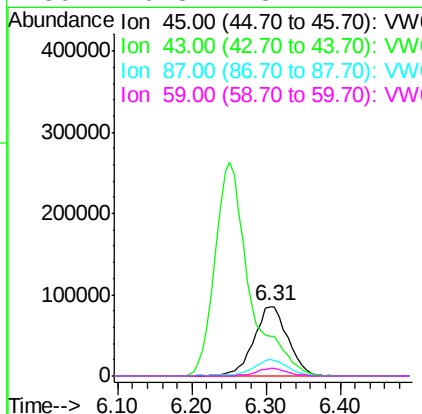
RT: 6.31 min Scan# 722

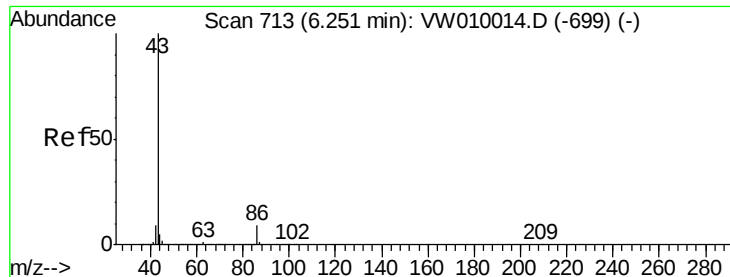
Delta R.T. 0.00 min

Lab File: VW010033.D

Acq: 18 Apr 2019 02:14

Tgt Ion:	45	Resp:	272877
Ion	Ratio	Lower	Upper
45	100		
43	56.9	46.1	69.1
87	23.4	18.3	27.5
59	10.8	8.2	12.4





#23

Vinyl Acetate

Concen: 115.375 ug/l

RT: 6.25 min Scan# 713

Delta R.T. 0.00 min

Lab File: VW010033.D

Acq: 18 Apr 2019 02:14

Instrument :

MSVOA_W

ClientSampleId :

VW0417SBS02

Tot Ion: 43 Resp: 848356

Ion Ratio Lower Upper

43 100

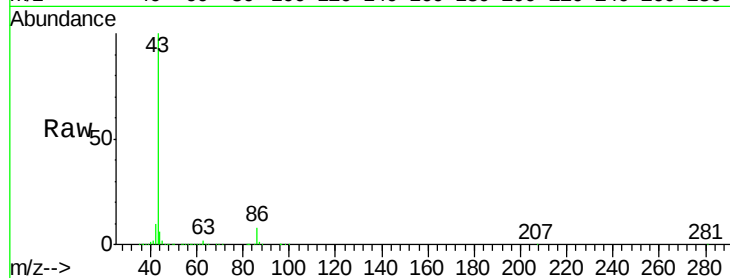
86 8.5 7.0 10.6

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Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 86.00 (85.70 to 86.70): VW

6.25

300000

250000

200000

150000

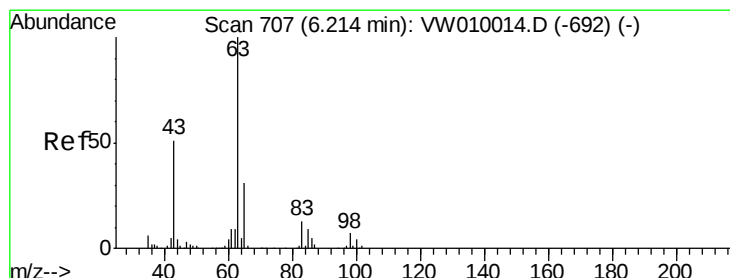
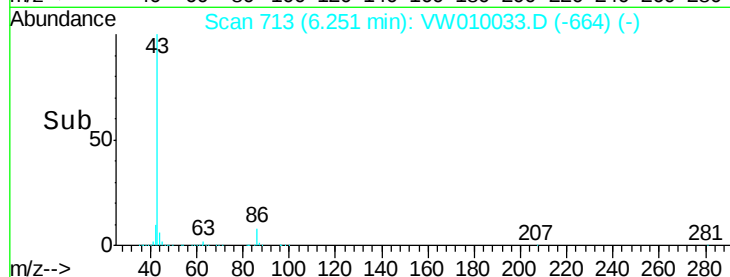
100000

50000

0

6.10 6.20 6.30 6.40

Time-->



#24

1,1-Dichloroethane

Concen: 22.648 ug/l

RT: 6.21 min Scan# 706

Delta R.T. -0.01 min

Lab File: VW010033.D

Acq: 18 Apr 2019 02:14

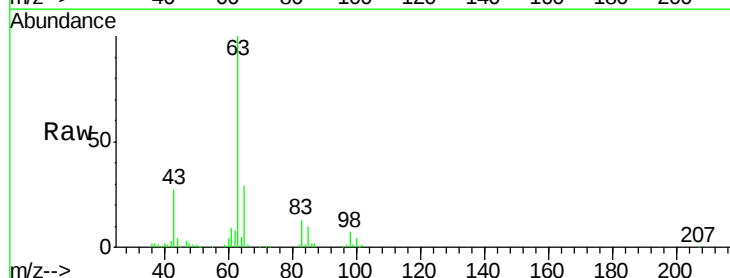
Tgt Ion: 63 Resp: 158142

Ion Ratio Lower Upper

63 100

98 7.0 3.3 9.8

100 3.6 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

6.21

60000

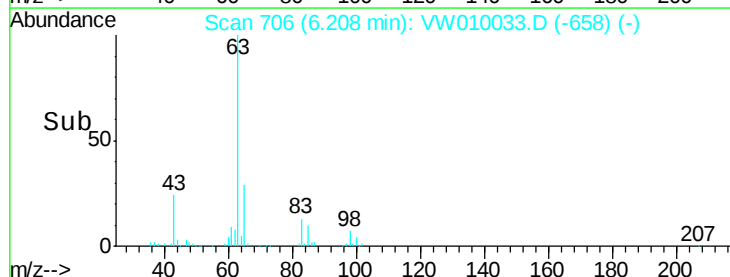
40000

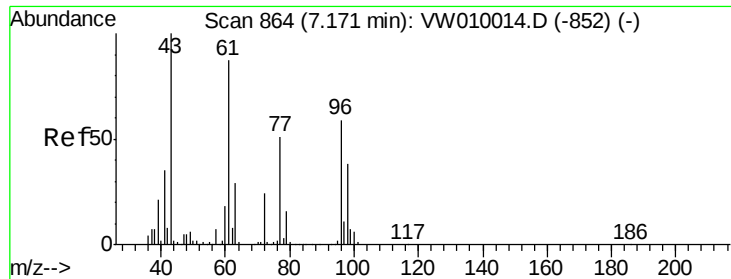
20000

0

6.10 6.20 6.30

Time-->





#25

2-Butanone

Concen: 112.366 ug/l

RT: 7.17 min Scan# 864

Delta R.T. 0.00 min

Lab File: VW010033.D

Acq: 18 Apr 2019 02:14

Instrument :

MSVOA_W

ClientSampleId :

VW0417SBS02

Tot Ion: 43 Resp: 138470

Ion Ratio Lower Upper

43 100

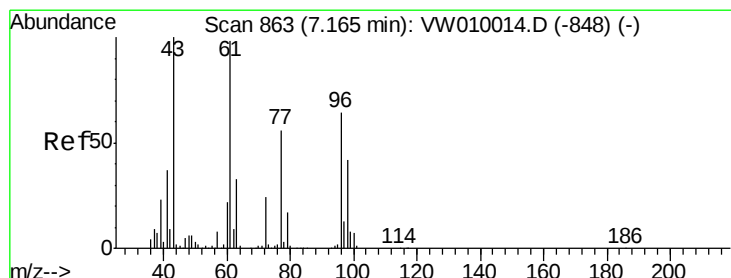
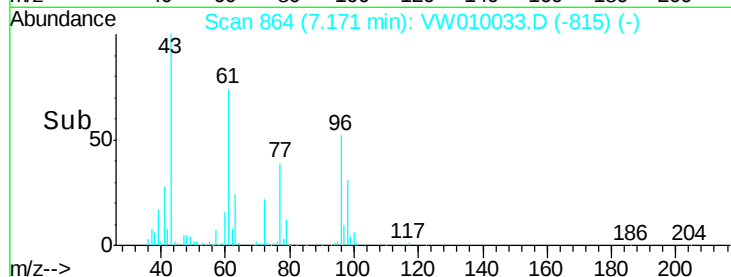
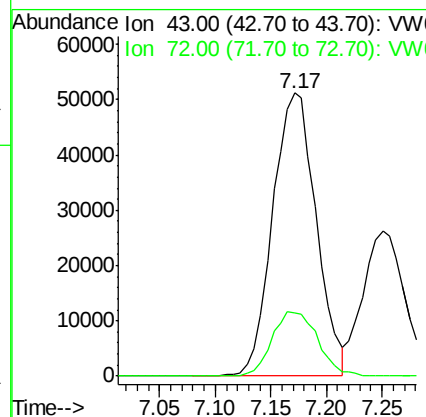
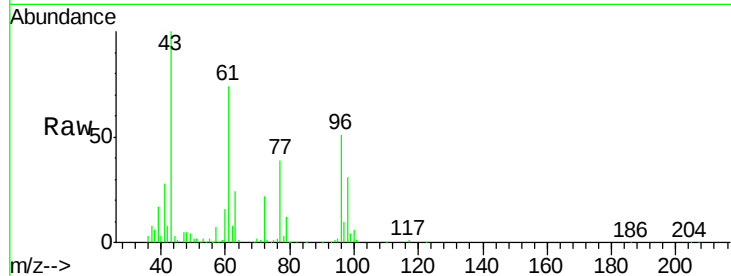
72 22.4 19.1 28.7

Manual Integrations

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#26

2,2-Dichloropropane

Concen: 17.816 ug/l

RT: 7.15 min Scan# 861

Delta R.T. -0.01 min

Lab File: VW010033.D

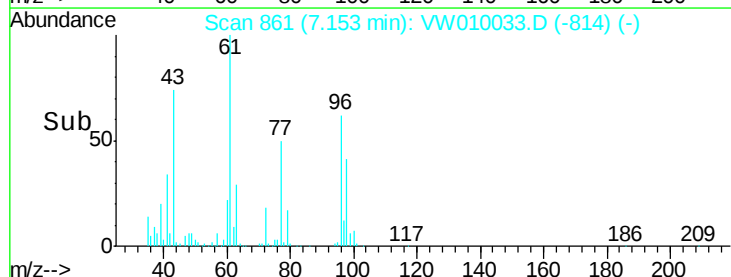
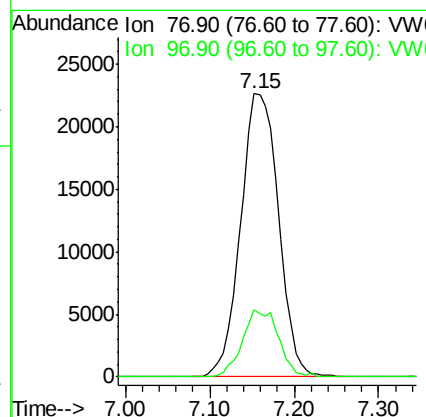
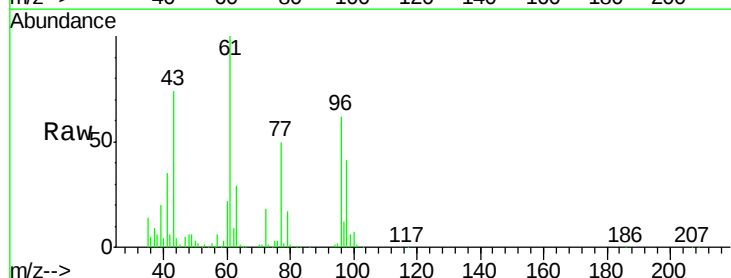
Acq: 18 Apr 2019 02:14

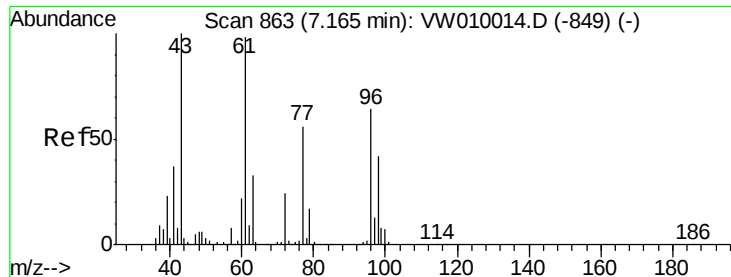
Tgt Ion: 77 Resp: 68826

Ion Ratio Lower Upper

77 100

97 22.6 11.3 33.9





#27

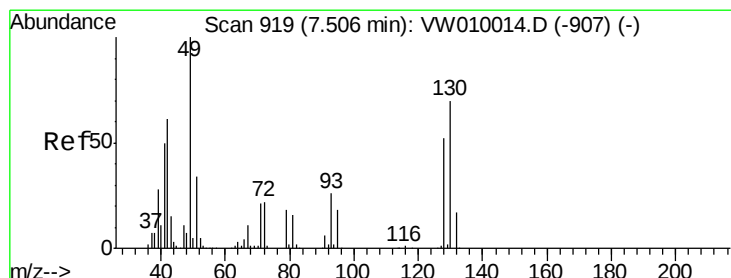
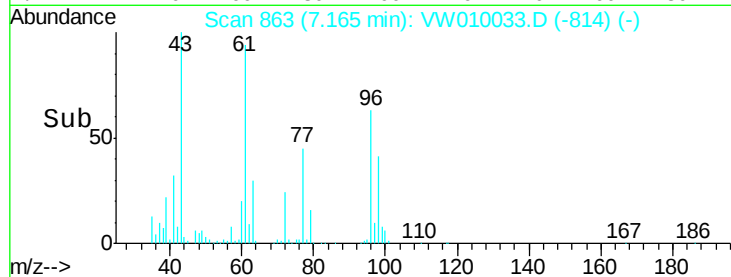
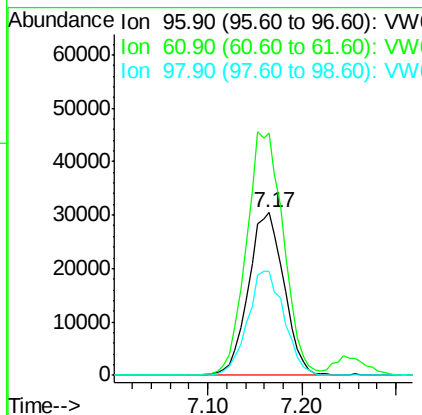
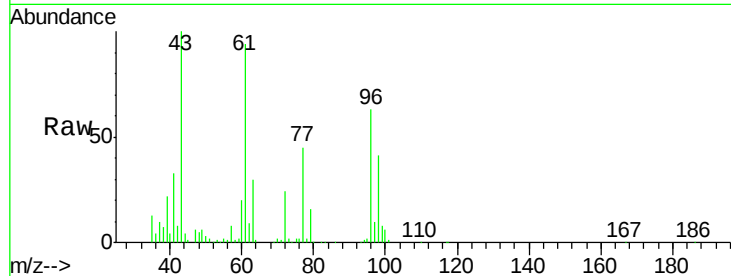
cis-1,2-Dichloroethene
Concen: 21.062 ug/l
RT: 7.17 min Scan# 863
Delta R.T. 0.00 min
Lab File: VW010033.D
Acq: 18 Apr 2019 02:14

Instrument :
MSVOA_W
ClientSampleId :
VW0417SBS02

Tot Ion	Ratio	Lower	Upper
96	100		
61	155.4	0.0	309.4
98	65.6	0.0	128.6

Manual Integrations
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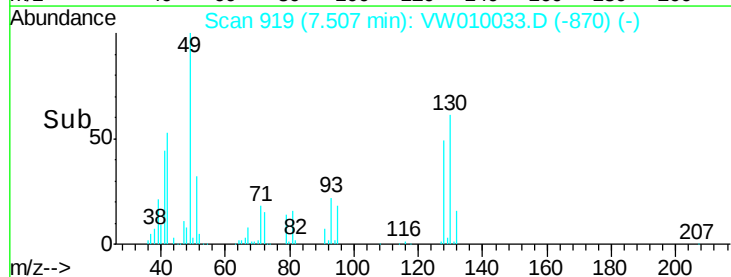
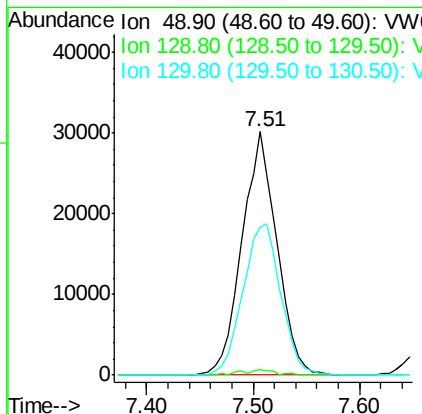
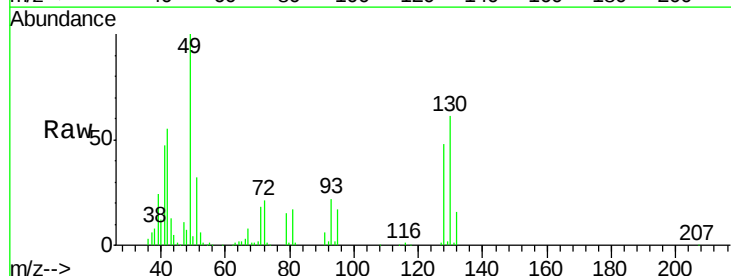
MMDadoda
4/18/2019 11:39:22 AM

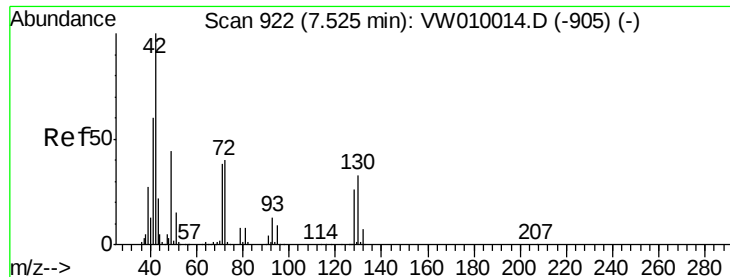


#28

Bromochloromethane
Concen: 24.236 ug/l
RT: 7.51 min Scan# 919
Delta R.T. 0.00 min
Lab File: VW010033.D
Acq: 18 Apr 2019 02:14

Tgt Ion	Ratio	Lower	Upper
49	100		
129	1.5	0.0	3.8
130	67.5	54.6	82.0





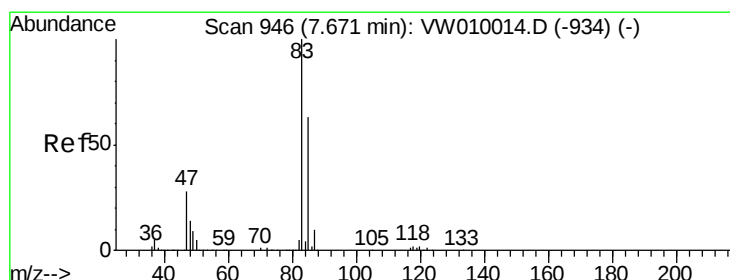
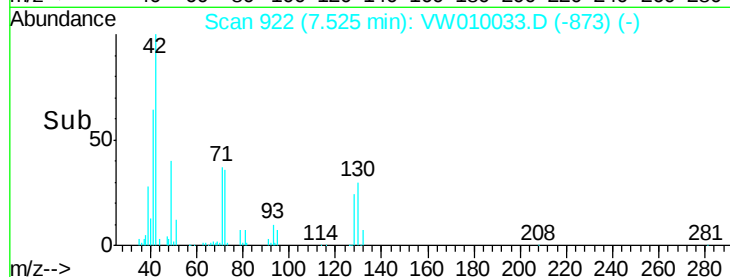
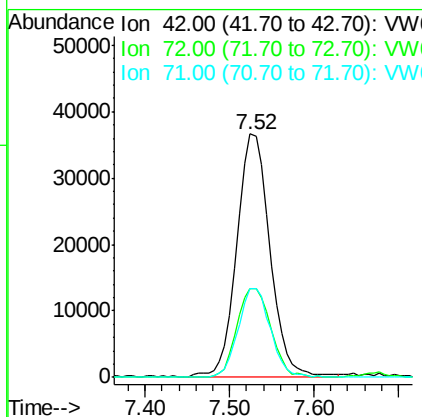
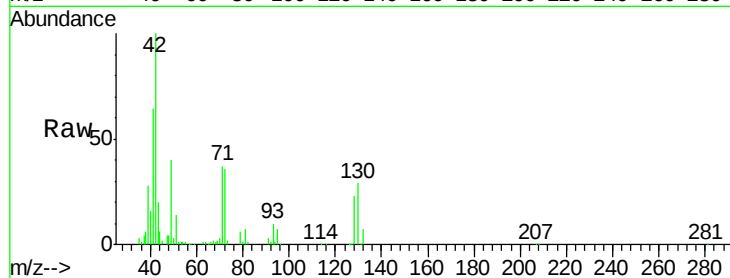
#29
Tetrahydrofuran
Concen: 124.263 ug/l
RT: 7.52 min Scan# 922
Delta R.T. 0.00 min
Lab File: VW010033.D
Acq: 18 Apr 2019 02:14

Instrument :
MSVOA_W
ClientSampleId :
VW0417SBSD02

Tot Ion:	42	Resp:	97028
Ion	Ratio	Lower	Upper
42	100		
72	37.9	31.0	46.6
71	35.6	29.7	44.5

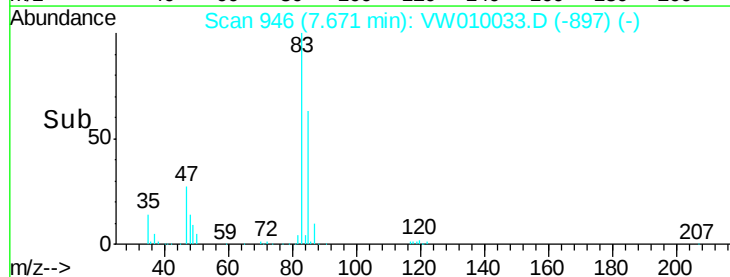
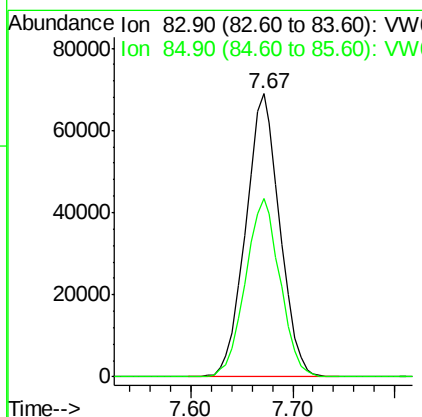
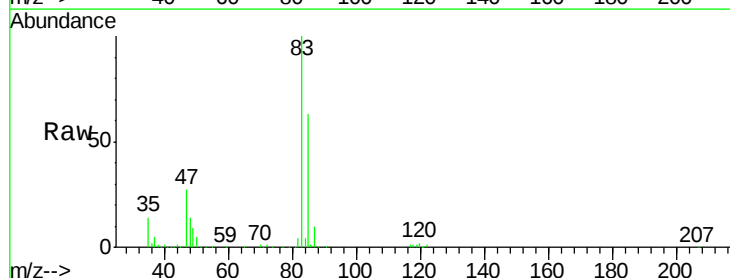
Manual Integrations
APPROVED

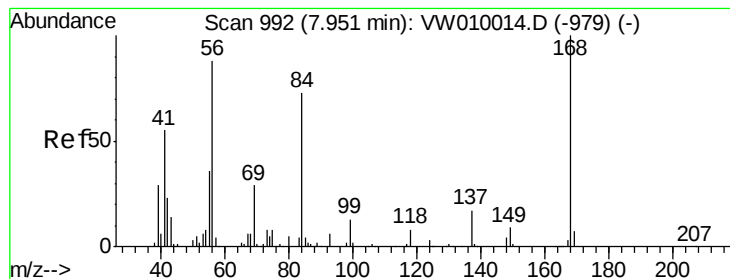
MMDadoda
4/18/2019 11:39:22 AM



#30
Chloroform
Concen: 22.881 ug/l
RT: 7.67 min Scan# 946
Delta R.T. 0.00 min
Lab File: VW010033.D
Acq: 18 Apr 2019 02:14

Tgt Ion:	83	Resp:	160089
Ion	Ratio	Lower	Upper
83	100		
85	62.8	50.7	76.1





#31

Cyclohexane

Concen: 19.963 ug/l

RT: 7.95 min Scan# 992

Delta R.T. 0.00 min

Lab File: VW010033.D

Acq: 18 Apr 2019 02:14

Instrument :

MSVOA_W

ClientSampleId :

VW0417SBS02

Tot Ion: 56 Resp: 130528

Ion Ratio Lower Upper

56 100

69 34.5 26.6 40.0

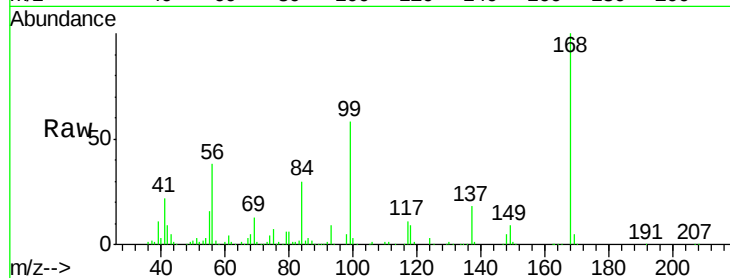
84 76.9 66.2 99.2

Manual Integrations

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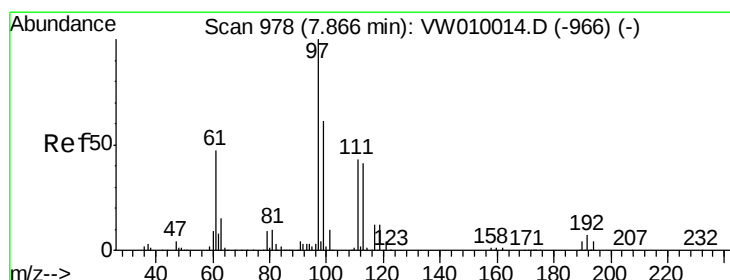
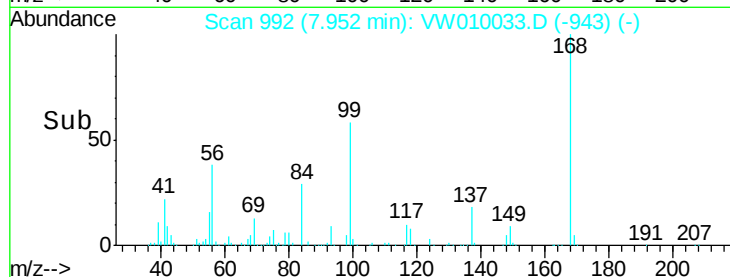
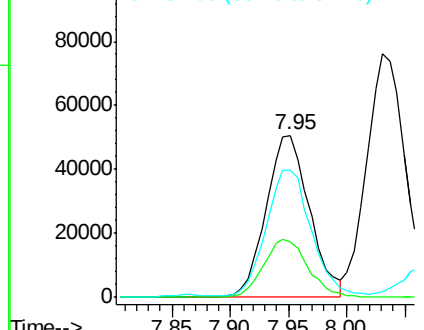


Abundance

Ion 56.00 (55.70 to 56.70): VW

Ion 69.00 (68.70 to 69.70): VW

Ion 84.00 (83.70 to 84.70): VW



#32

1,1,1-Trichloroethane

Concen: 21.153 ug/l

RT: 7.87 min Scan# 978

Delta R.T. 0.00 min

Lab File: VW010033.D

Acq: 18 Apr 2019 02:14

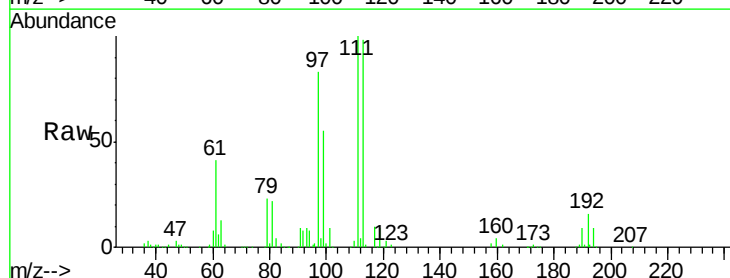
Tgt Ion: 97 Resp: 116184

Ion Ratio Lower Upper

97 100

99 63.7 50.2 75.2

61 49.5 38.2 57.2

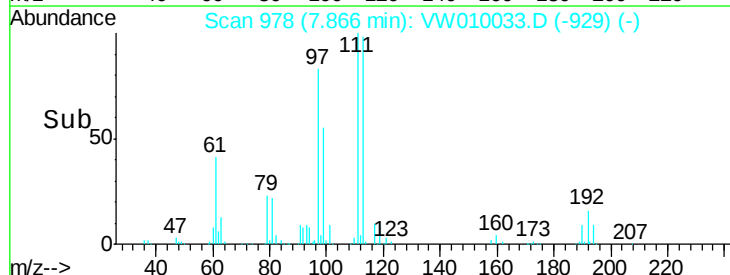
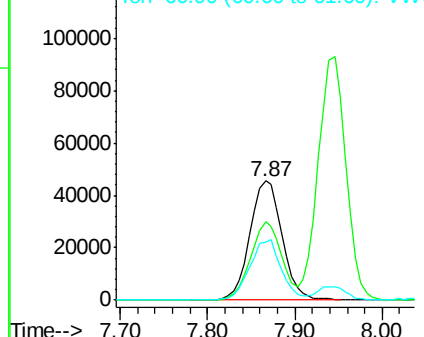


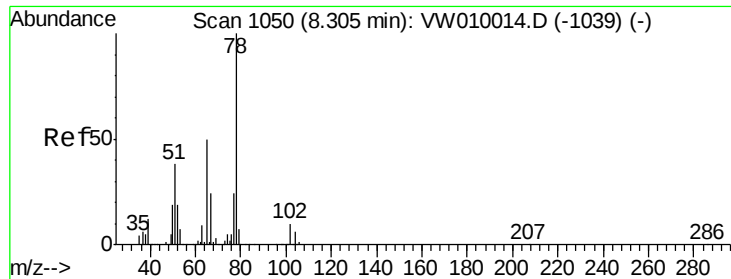
Abundance

Ion 96.90 (96.60 to 97.60): VW

Ion 98.90 (98.60 to 99.60): VW

Ion 60.90 (60.60 to 61.60): VW





#33

1,2-Dichloroethane-d4

Concen: 58.328 ug/l

RT: 8.30 min Scan# 1049

Delta R.T. -0.01 min

Lab File: VW010033.D

Acq: 18 Apr 2019 02:14

Instrument :

MSVOA_W

ClientSampleId :

VW0417SBS02

Tot Ion: 65 Resp: 235831

Ion Ratio Lower Upper

65 100

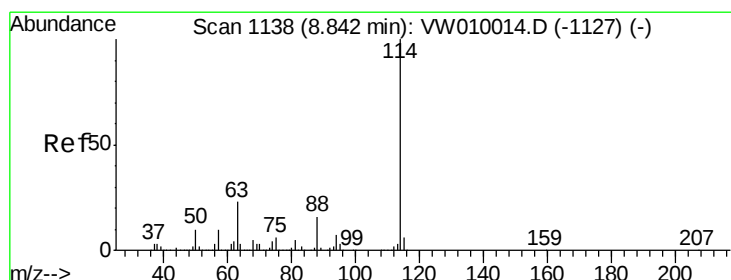
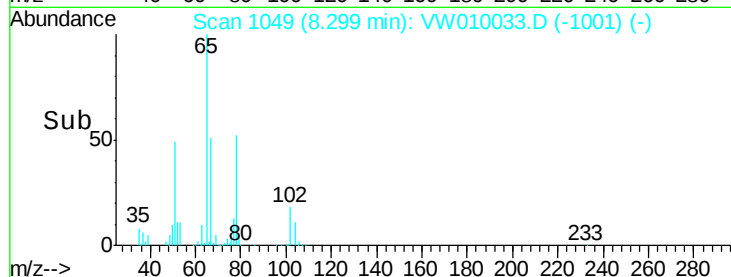
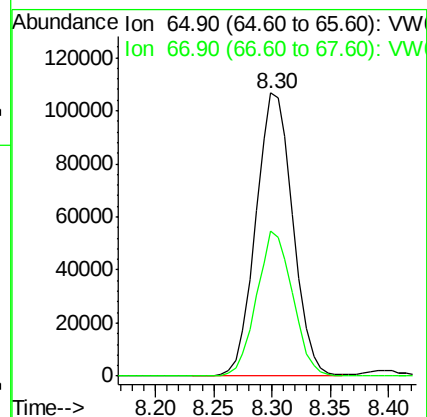
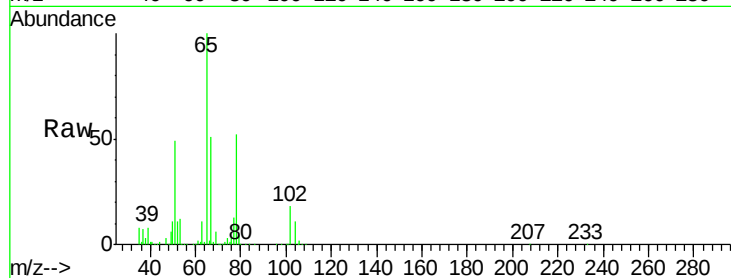
67 49.9 0.0 100.8

Manual Integrations

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#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.84 min Scan# 1138

Delta R.T. 0.00 min

Lab File: VW010033.D

Acq: 18 Apr 2019 02:14

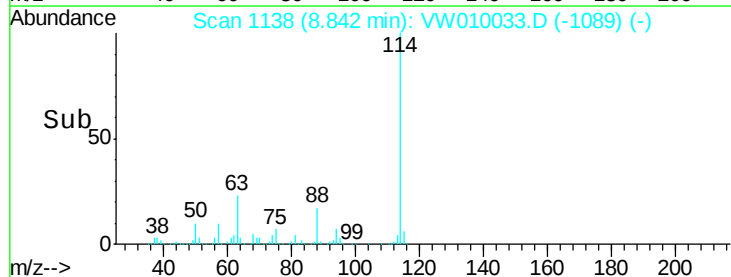
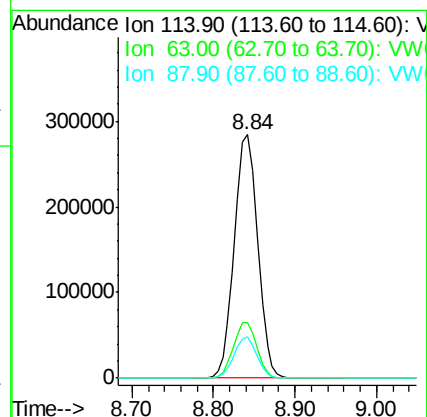
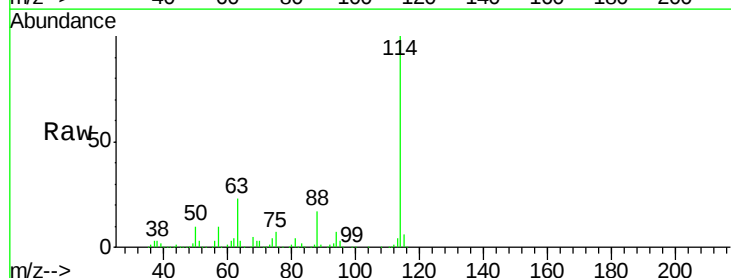
Tgt Ion: 114 Resp: 561143

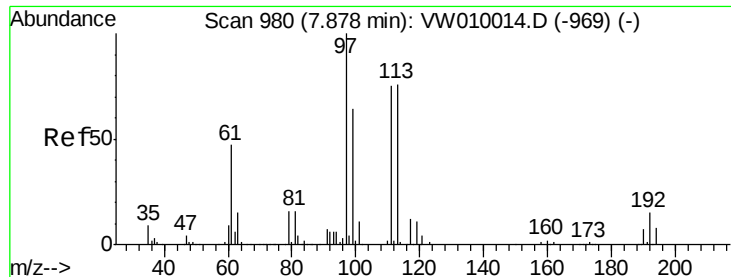
Ion Ratio Lower Upper

114 100

63 23.0 0.0 46.2

88 17.0 0.0 32.6





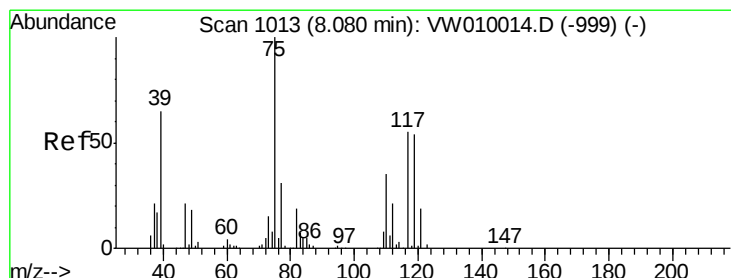
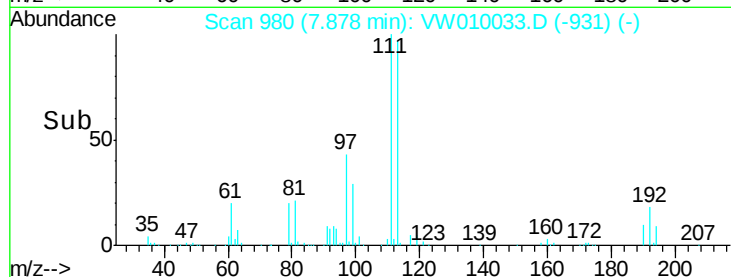
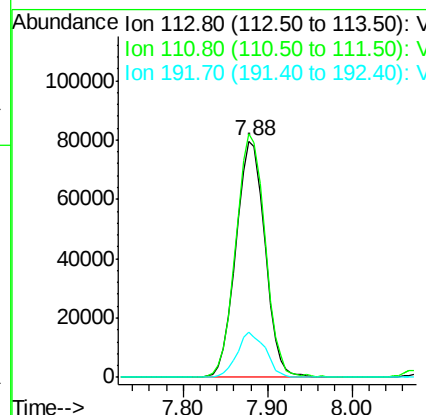
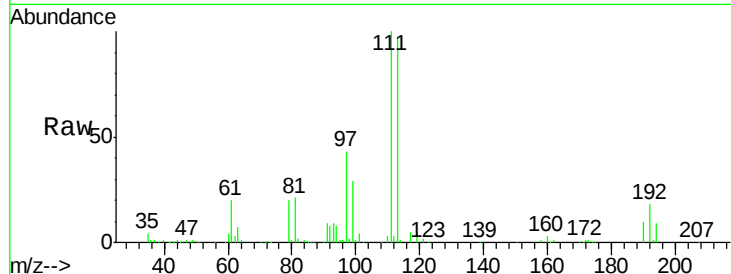
#35
 Dibromofluoromethane
 Concen: 52.087 ug/l
 RT: 7.88 min Scan# 980
 Delta R.T. 0.00 min
 Lab File: VW010033.D
 Acq: 18 Apr 2019 02:14

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0417SBS02

Tot Ion	Ratio	Resp	Lower	Upper
113	100			
111	103.9	82.6	123.8	
192	18.6	15.4	23.2	

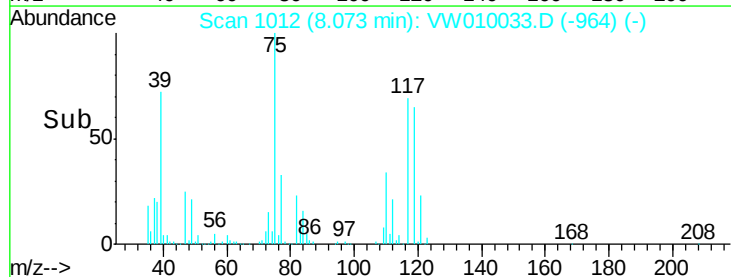
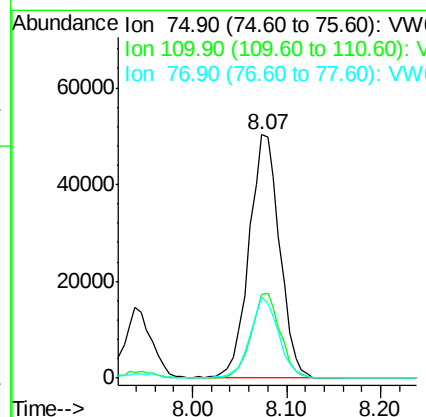
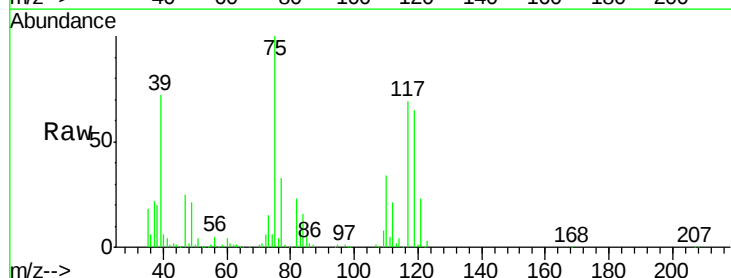
Manual Integrations
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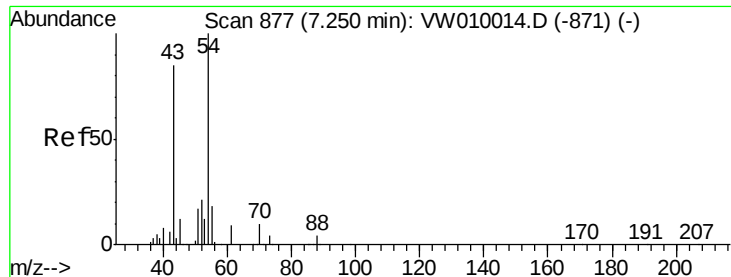
MMDadoda
 4/18/2019 11:39:22 AM



#36
 1,1-Dichloropropene
 Concen: 20.033 ug/l
 RT: 8.07 min Scan# 1012
 Delta R.T. -0.01 min
 Lab File: VW010033.D
 Acq: 18 Apr 2019 02:14

Tgt Ion	Ratio	Resp	Lower	Upper
75	100			
110	32.9	16.6	49.8	
77	31.2	24.8	37.2	





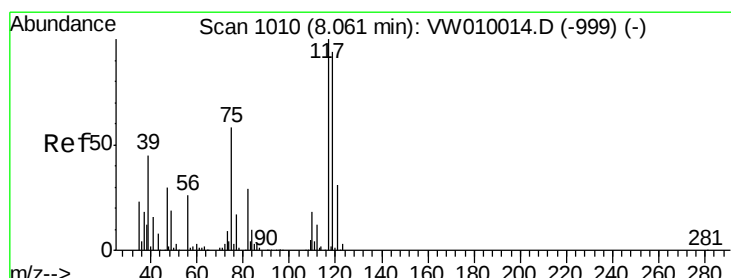
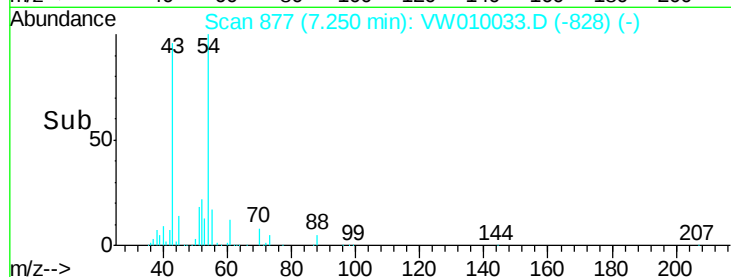
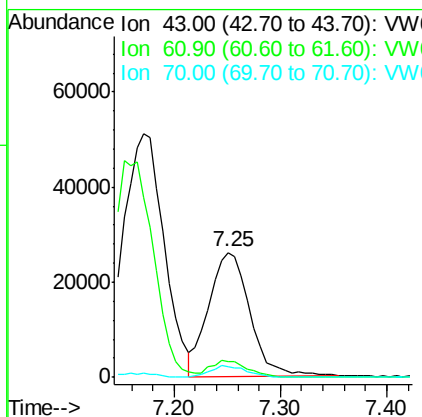
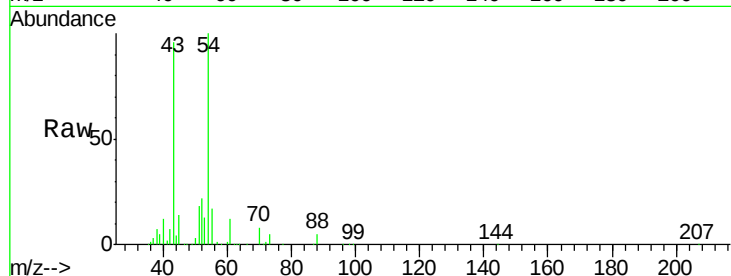
#37
Ethyl Acetate
Concen: 23.937 ug/l
RT: 7.25 min Scan# 877
Delta R.T. 0.00 min
Lab File: VW010033.D
Acq: 18 Apr 2019 02:14

Instrument :
MSVOA_W
ClientSampleId :
VW0417SBS02

Tot Ion	Ratio	Resp	Lower	Upper
43	100	69720		
61	12.0		9.8	14.8
70	8.4		7.4	11.0

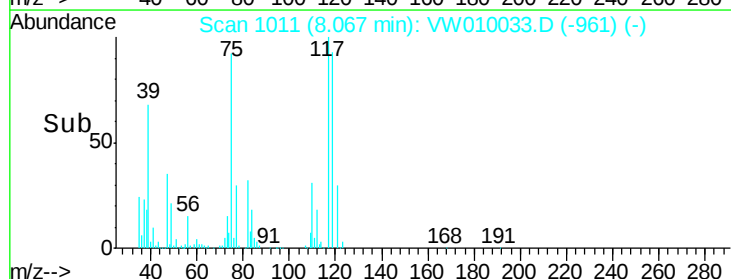
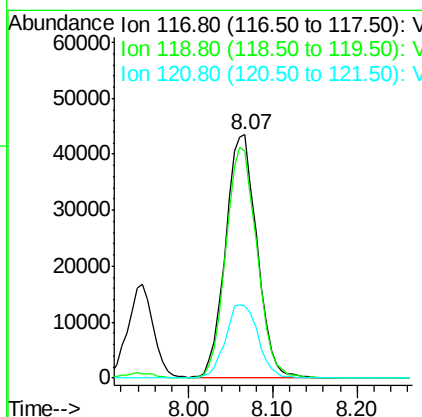
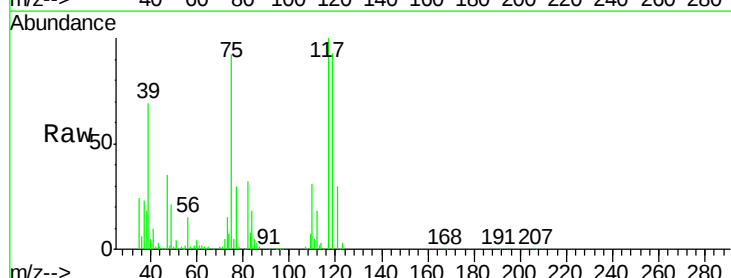
Manual Integrations
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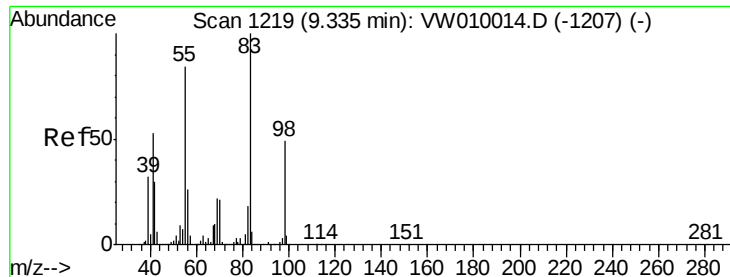
MMDadoda
4/18/2019 11:39:22 AM



#38
Carbon Tetrachloride
Concen: 19.836 ug/l
RT: 8.07 min Scan# 1011
Delta R.T. 0.01 min
Lab File: VW010033.D
Acq: 18 Apr 2019 02:14

Tgt Ion	Ratio	Resp	Lower	Upper
117	100	110964		
119	92.9		75.3	112.9
121	29.7		24.4	36.6





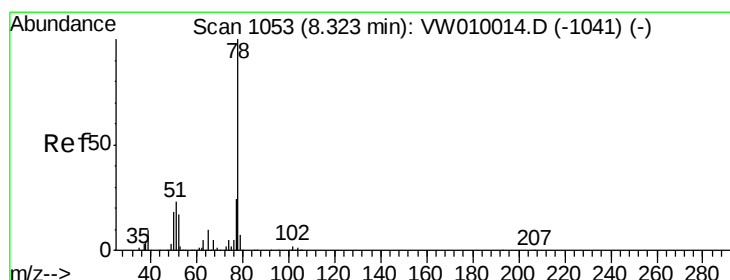
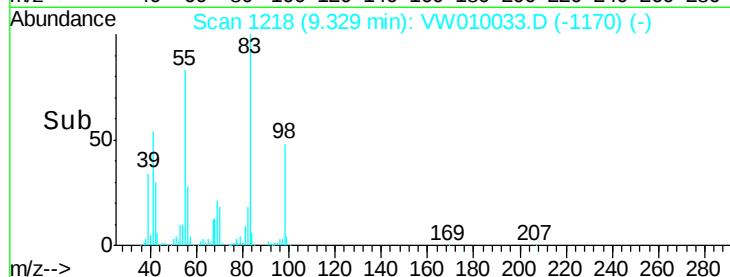
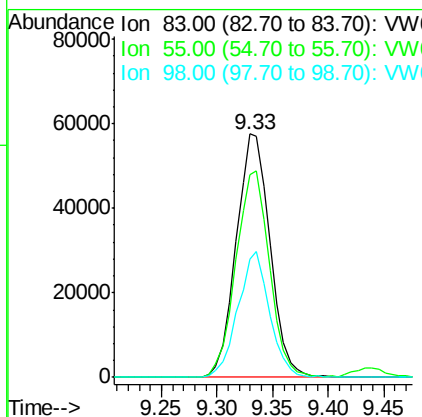
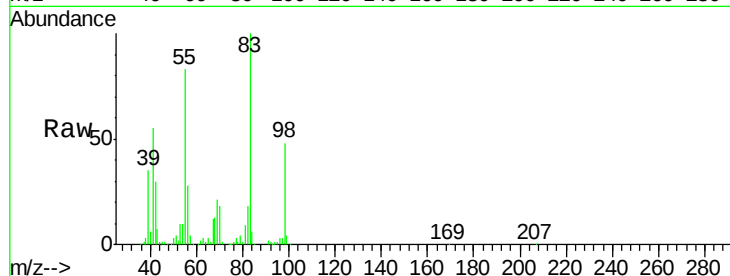
#39
Methvlcvclohexane
Concen: 18.199 ug/l
RT: 9.33 min Scan# 1218
Delta R.T. -0.01 min
Lab File: VW010033.D
Acq: 18 Apr 2019 02:14

Instrument :
MSVOA_W
ClientSampleId :
VW0417SBSD02

Tot Ion	Ratio	Lower	Upper
83	100		
55	83.4	67.1	100.7
98	48.4	39.2	58.8

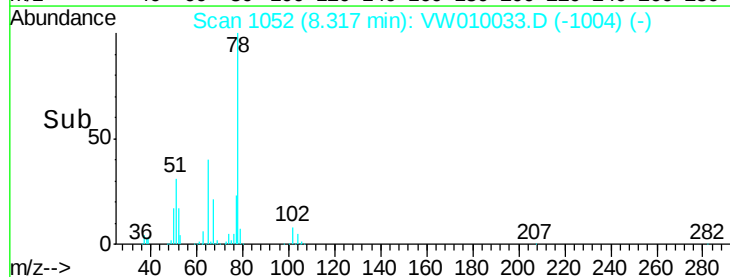
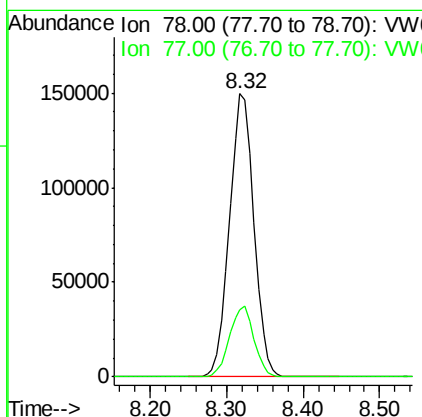
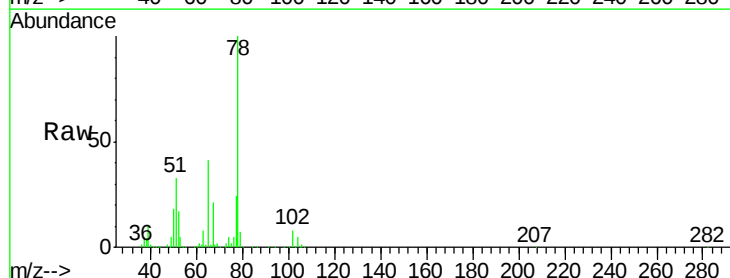
Manual Integrations
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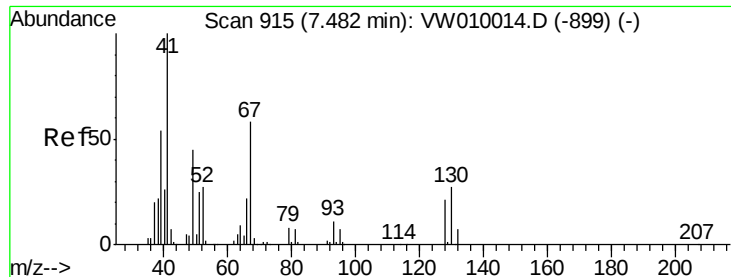
MMDadoda
4/18/2019 11:39:22 AM



#40
Benzene
Concen: 21.088 ug/l
RT: 8.32 min Scan# 1052
Delta R.T. -0.01 min
Lab File: VW010033.D
Acq: 18 Apr 2019 02:14

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.7	19.1	28.7





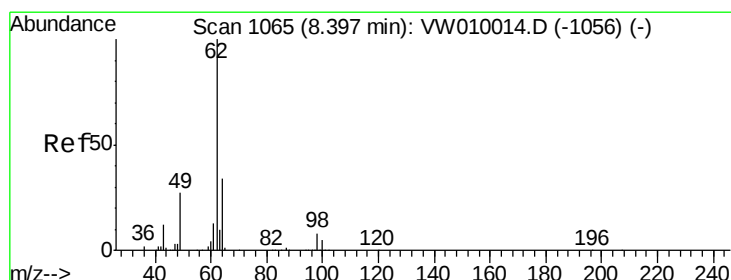
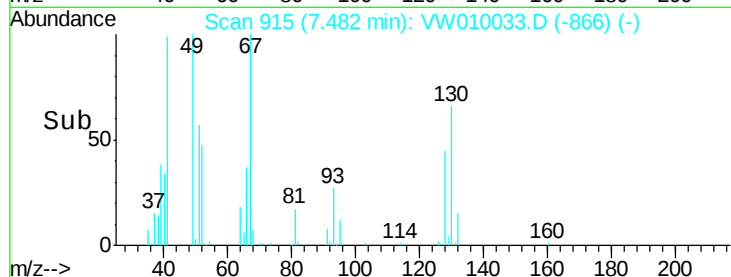
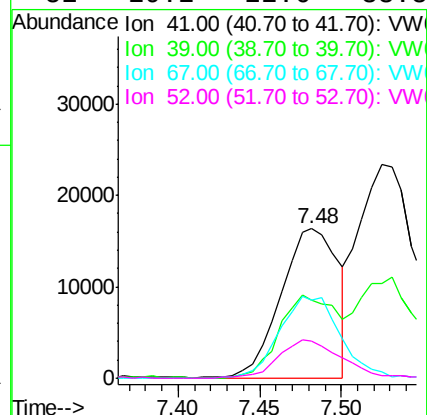
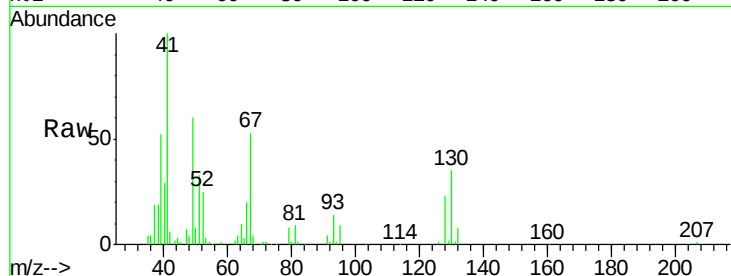
#41
Methacrylonitrile
Concen: 23.828 ug/l
RT: 7.48 min Scan# 915
Delta R.T. 0.00 min
Lab File: VW010033.D
Acq: 18 Apr 2019 02:14

Instrument :
MSVOA_W
ClientSampleId :
VW0417SBSD02

Tot Ion	Ion	Ratio	Lower	Upper
41	100			
39	56.2	45.0	67.4	
67	58.7	50.7	76.1	
52	29.2	22.6	33.8	

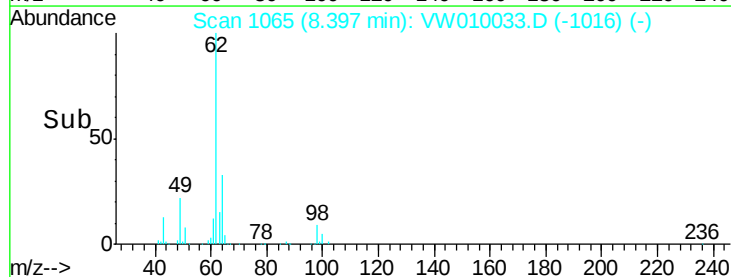
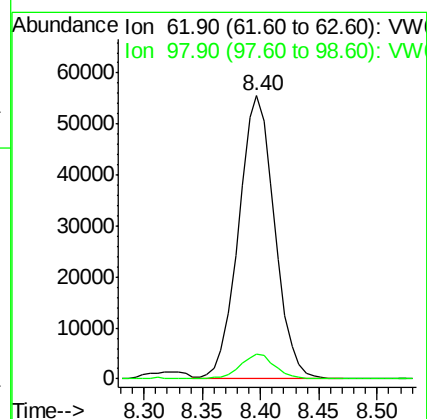
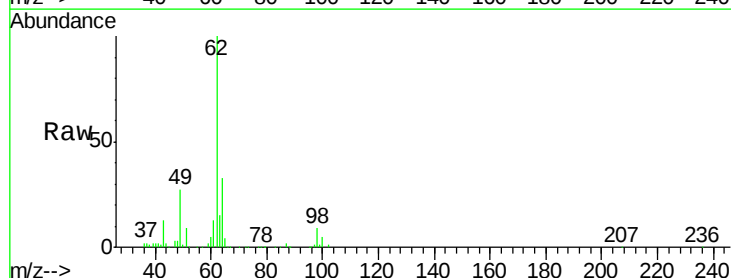
Manual Integrations
APPROVED

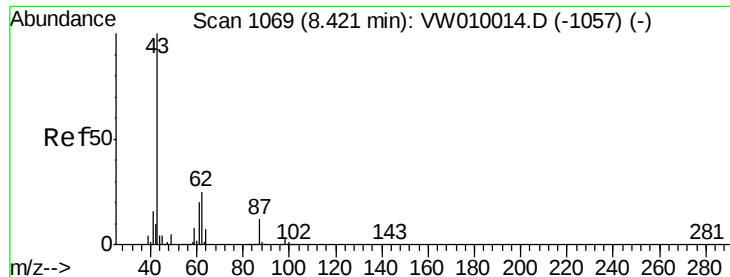
MMDadoda
4/18/2019 11:39:22 AM



#42
1,2-Dichloroethane
Concen: 22.139 ug/l
RT: 8.40 min Scan# 1065
Delta R.T. 0.00 min
Lab File: VW010033.D
Acq: 18 Apr 2019 02:14

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





#43

Isopropyl Acetate

Concen: 22.581 ug/l

RT: 8.43 min Scan# 1070

Delta R.T. 0.01 min

Lab File: VW010033.D

Acq: 18 Apr 2019 02:14

Instrument :

MSVOA_W

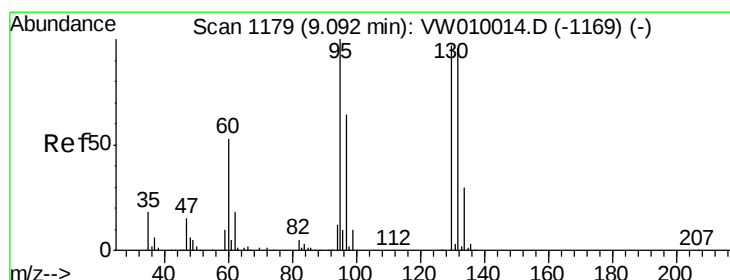
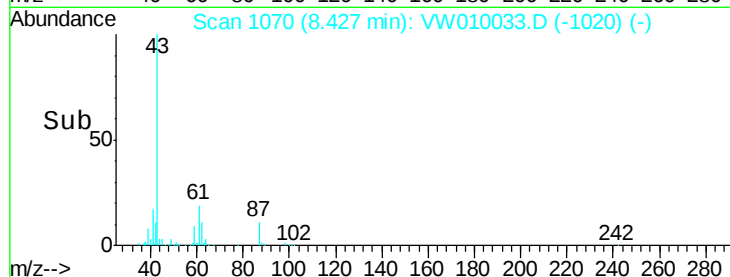
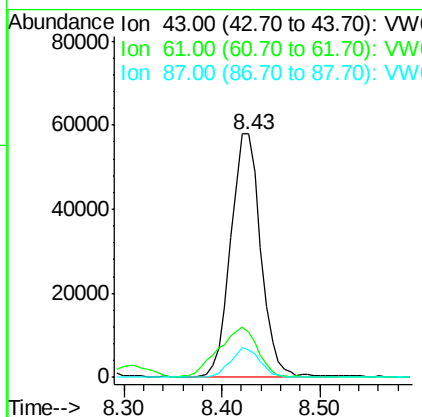
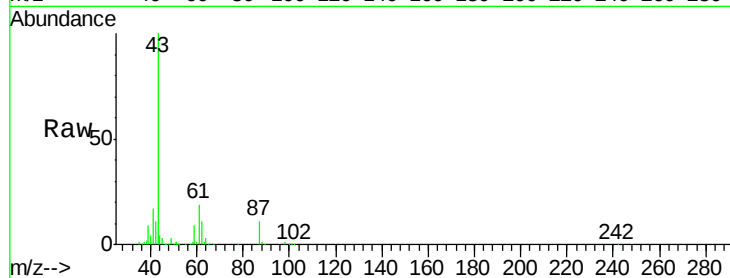
ClientSampleId :

VW0417SBS02

Tot Ion:	43	Resp:	123248
Ion	Ratio	Lower	Upper
43	100		
61	27.5	23.0	34.6
87	12.0	9.3	13.9

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#44

Trichloroethene

Concen: 20.714 ug/l

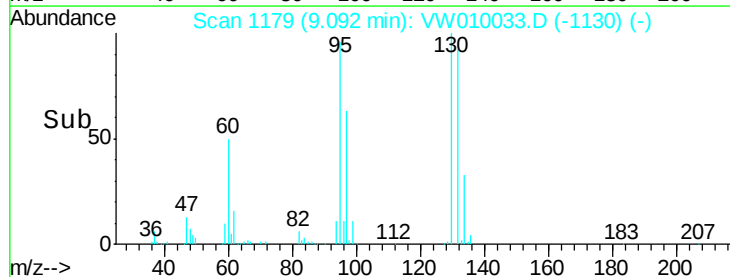
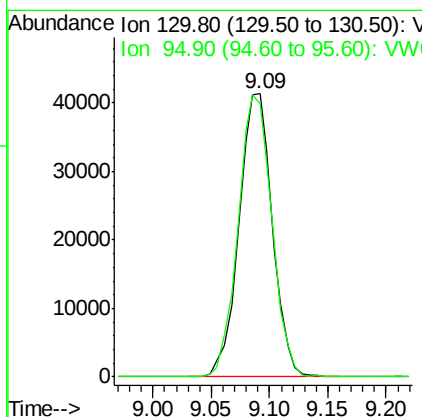
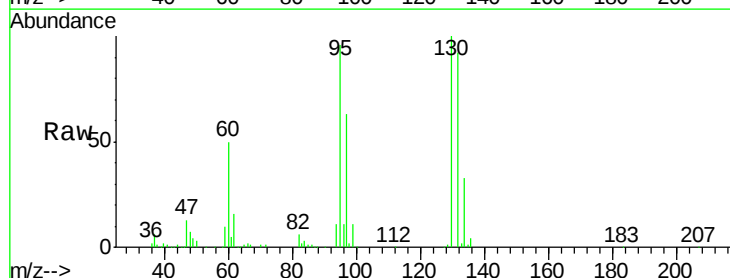
RT: 9.09 min Scan# 1179

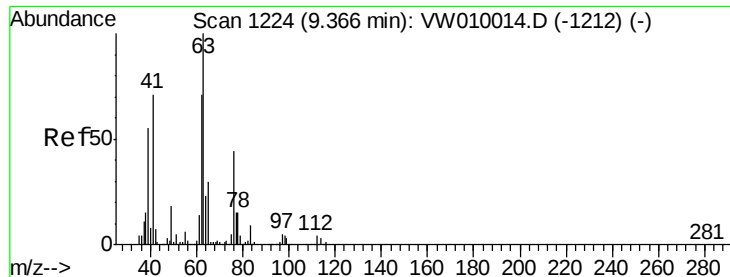
Delta R.T. 0.00 min

Lab File: VW010033.D

Acq: 18 Apr 2019 02:14

Tgt Ion:	130	Resp:	82457
Ion	Ratio	Lower	Upper
130	100		
95	96.4	0.0	205.4





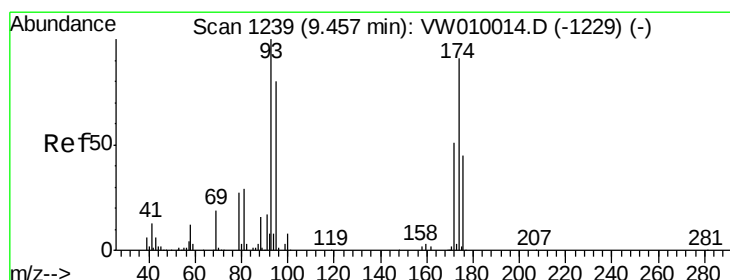
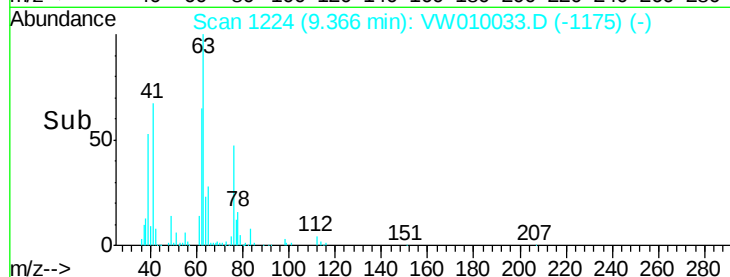
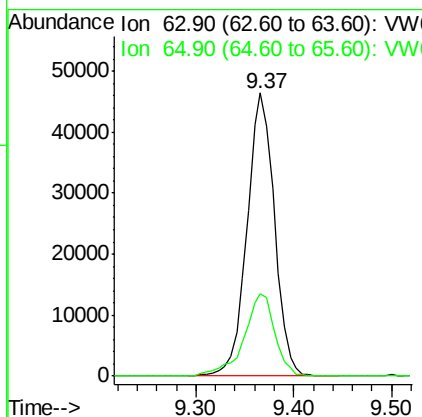
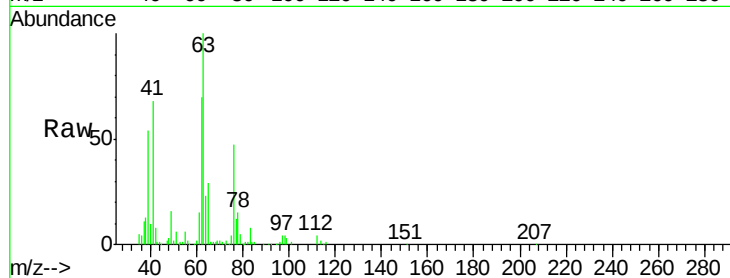
#45
 1,2-Dichloropropane
 Concen: 21.873 ug/l
 RT: 9.37 min Scan# 1224
 Delta R.T. 0.00 min
 Lab File: VW010033.D
 Acq: 18 Apr 2019 02:14

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0417SBS02

Tot Ion	Ratio	Lower	Upper
63	100		
65	29.2	23.8	35.6

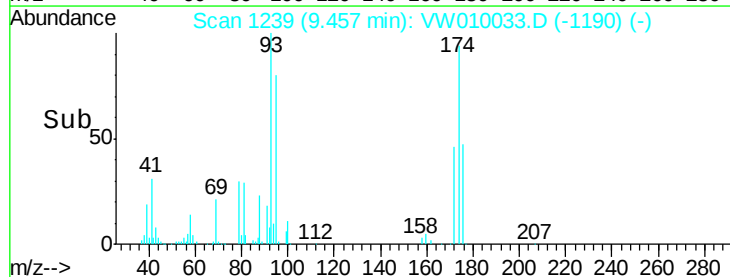
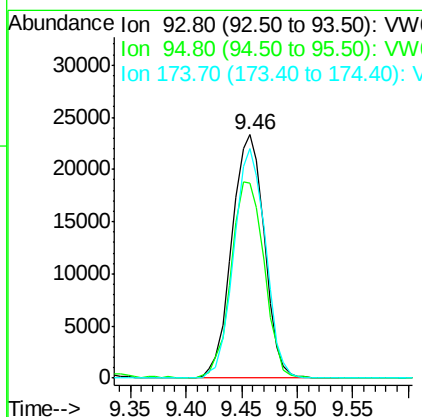
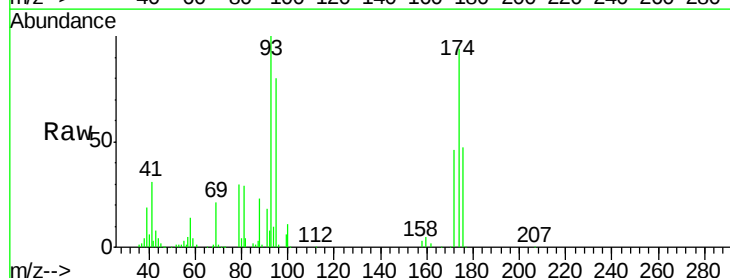
Manual Integrations
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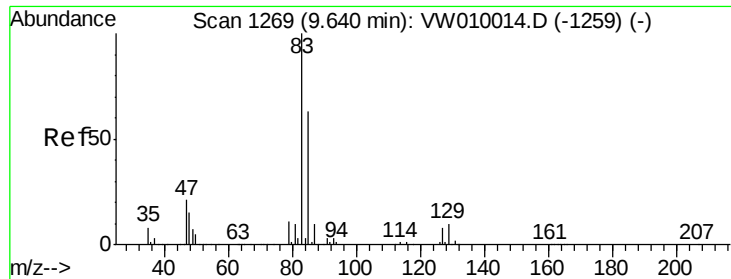
MMDadoda
 4/18/2019 11:39:22 AM



#46
 Dibromomethane
 Concen: 22.099 ug/l
 RT: 9.46 min Scan# 1239
 Delta R.T. 0.00 min
 Lab File: VW010033.D
 Acq: 18 Apr 2019 02:14

Tgt Ion	Ratio	Lower	Upper
93	100		
95	82.2	65.8	98.8
174	91.2	75.5	113.3





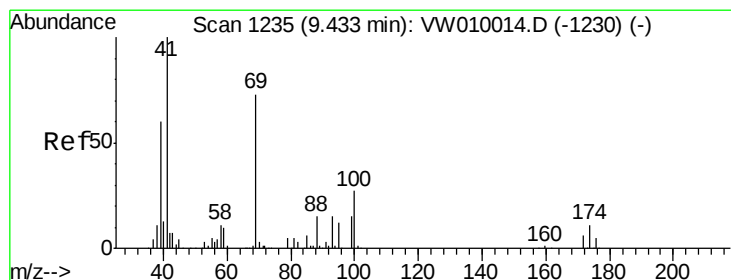
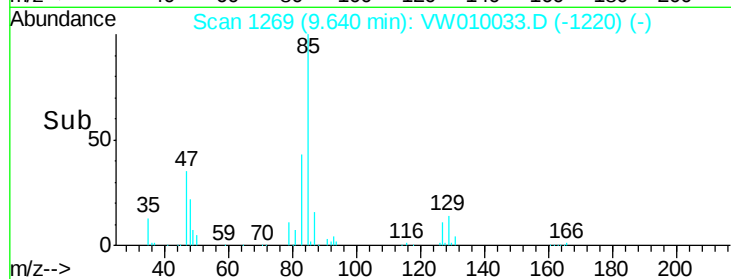
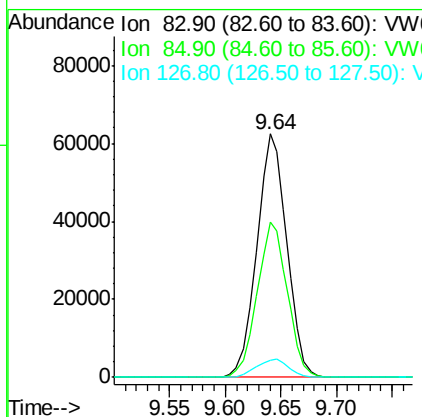
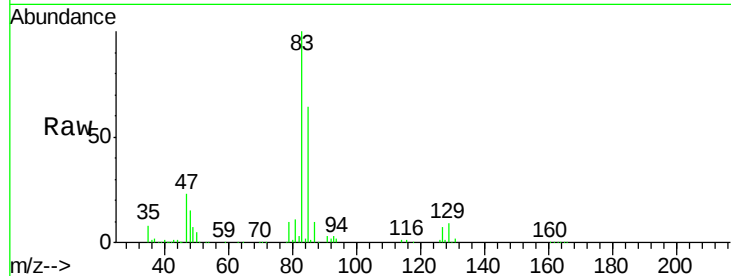
#47
Bromodichloromethane
Concen: 21.221 ug/l
RT: 9.64 min Scan# 1269
Delta R.T. 0.00 min
Lab File: VW010033.D
Acq: 18 Apr 2019 02:14

Instrument :
MSVOA_W
ClientSampleId :
VW0417SBS02

Tot Ion	Ratio	Resp	Lower	Upper
83	100	116966		
85	63.8	50.6	75.8	
127	7.3	6.6	10.0	

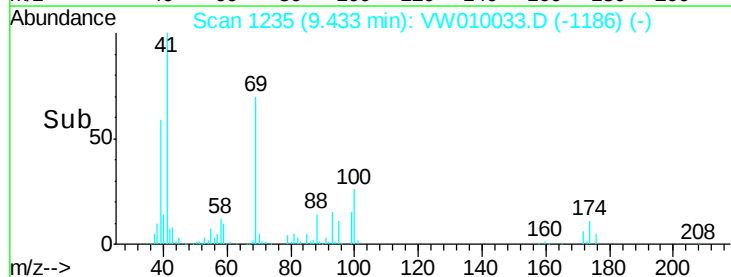
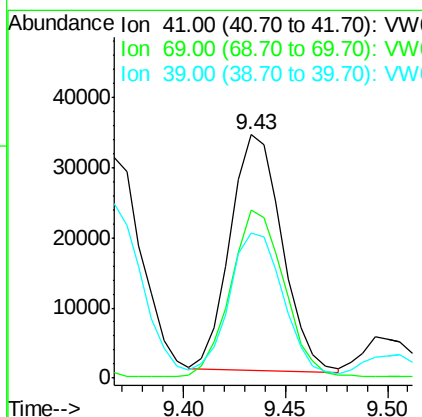
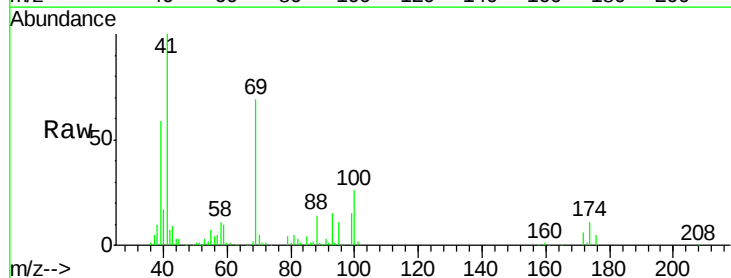
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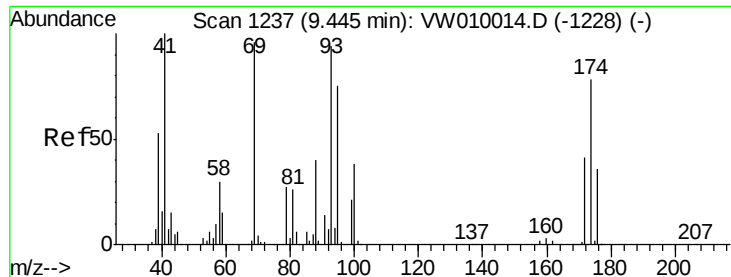
MMDadoda
4/18/2019 11:39:22 AM



#48
Methyl methacrylate
Concen: 22.388 ug/l
RT: 9.43 min Scan# 1235
Delta R.T. 0.00 min
Lab File: VW010033.D
Acq: 18 Apr 2019 02:14

Tgt Ion	Ratio	Resp	Lower	Upper
41	100	59482		
69	74.3	60.1	90.1	
39	64.8	51.0	76.6	





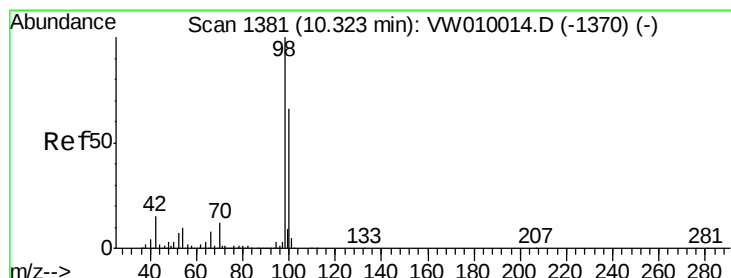
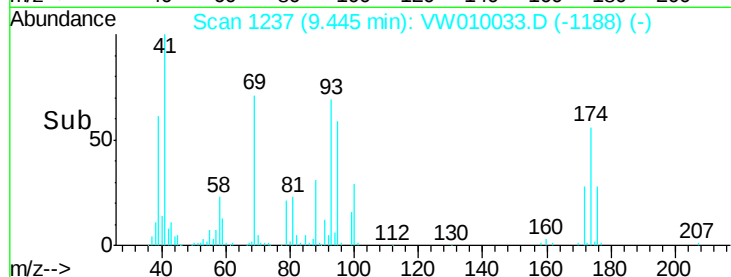
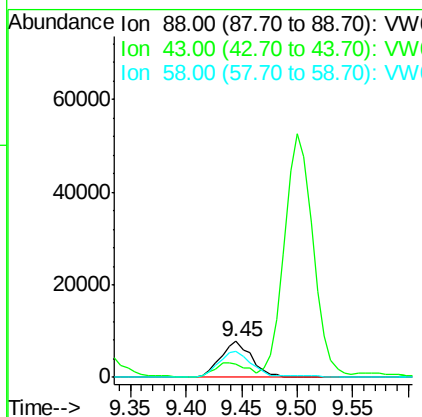
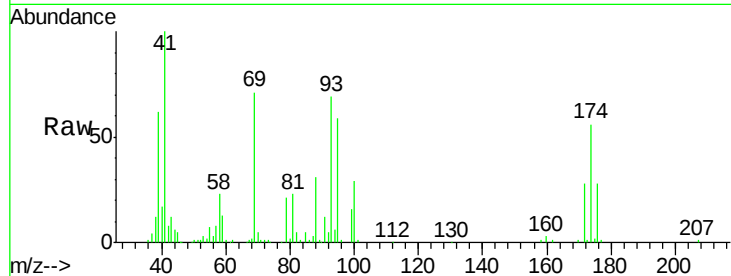
#49
 1,4-Dioxane
 Concen: 465.777 ug/l
 RT: 9.45 min Scan# 1237
 Delta R.T. 0.00 min
 Lab File: VW010033.D
 Acq: 18 Apr 2019 02:14

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0417SBSD02

Tot Ion	Ratio	Resp	Lower	Upper
88	100	15196		
43	41.6		31.9	47.9
58	77.6		61.8	92.6

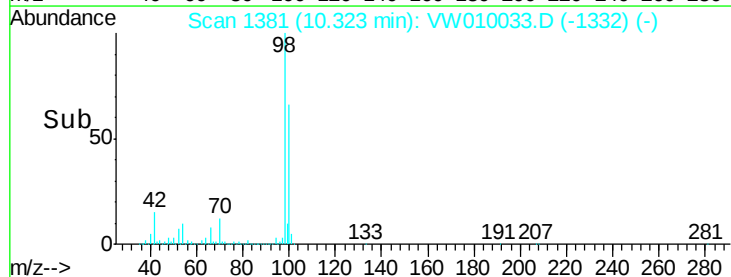
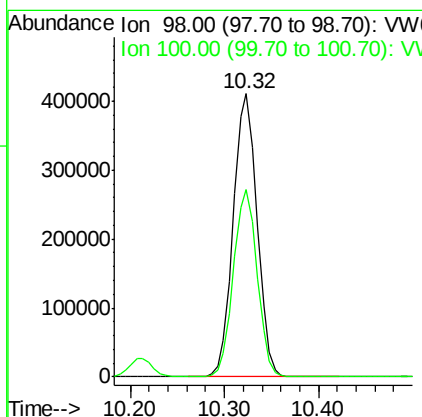
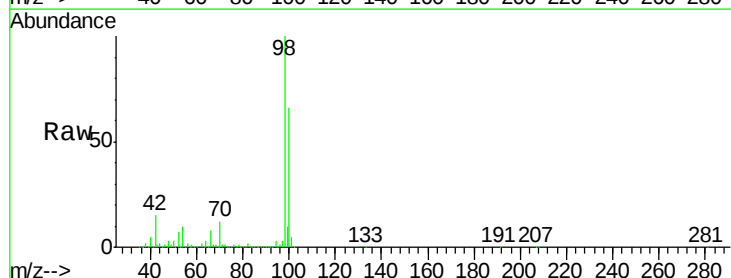
Manual Integrations
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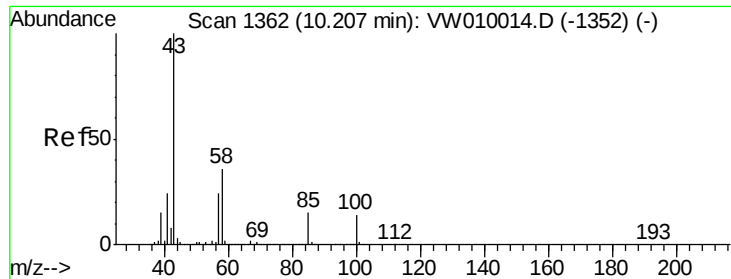
MMDadoda
 4/18/2019 11:39:22 AM



#50
 Toluene-d8
 Concen: 53.943 ug/l
 RT: 10.32 min Scan# 1381
 Delta R.T. 0.00 min
 Lab File: VW010033.D
 Acq: 18 Apr 2019 02:14

Tgt Ion	Ratio	Resp	Lower	Upper
98	100	721123		
100	65.9		52.3	78.5





#51

4-Methyl-2-Pentanone

Concen: 120.307 ug/l

RT: 10.21 min Scan# 1362

Delta R.T. 0.00 min

Lab File: VW010033.D

Acq: 18 Apr 2019 02:14

Instrument :

MSVOA_W

ClientSampleId :

VW0417SBS02

Tot Ion: 43 Resp: 343919

Ion Ratio Lower Upper

43 100

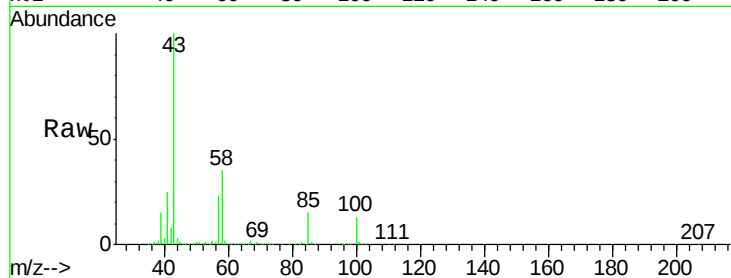
58 35.4 28.9 43.3

Manual Integrations

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Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW

10.21

200000

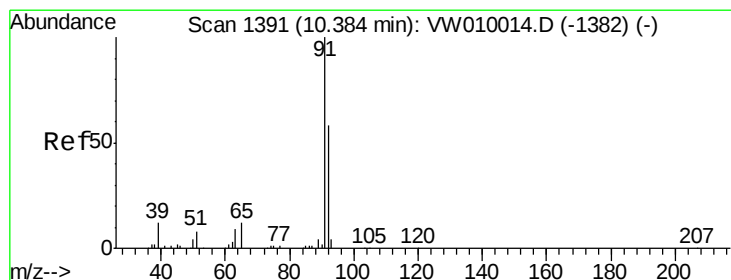
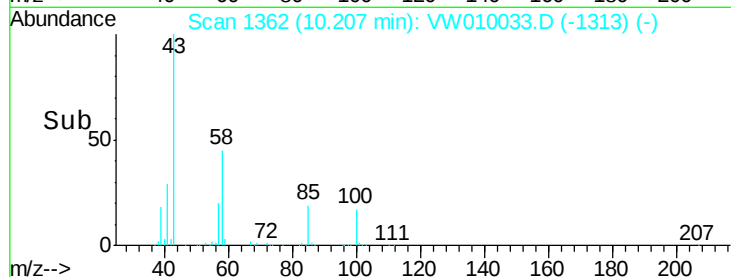
150000

100000

50000

0

Time-->



#52

Toluene

Concen: 21.185 ug/l

RT: 10.39 min Scan# 1392

Delta R.T. 0.01 min

Lab File: VW010033.D

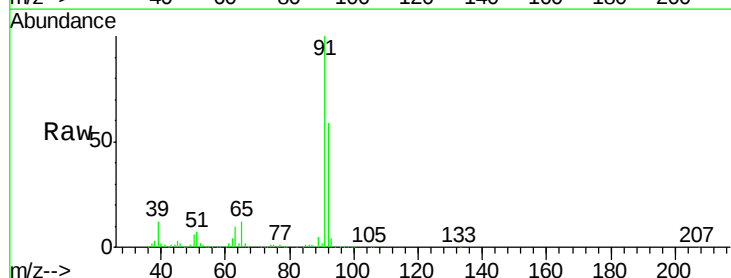
Acq: 18 Apr 2019 02:14

Tgt Ion: 92 Resp: 206826

Ion Ratio Lower Upper

92 100

91 172.9 138.5 207.7



Abundance Ion 92.00 (91.70 to 92.70): VW

Ion 91.00 (90.70 to 91.70): VW

10.39

200000

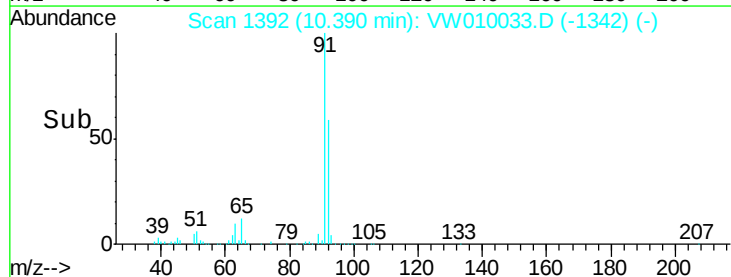
150000

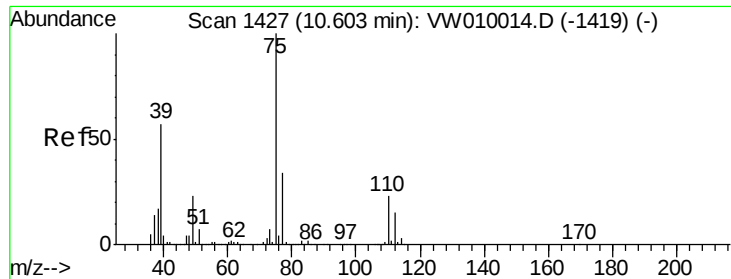
100000

50000

0

Time-->





#53

t-1,3-Dichloropropene

Concen: 20.378 ug/l

RT: 10.60 min Scan# 1427

Delta R.T. 0.00 min

Lab File: VW010033.D

Acq: 18 Apr 2019 02:14

Instrument :

MSVOA_W

ClientSampleId :

VW0417SBSD02

Tot Ion: 75 Resp: 111357

Ion Ratio Lower Upper

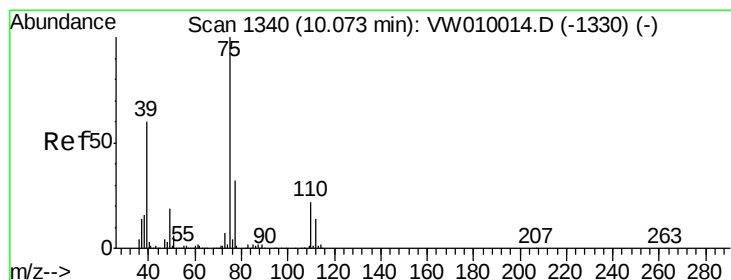
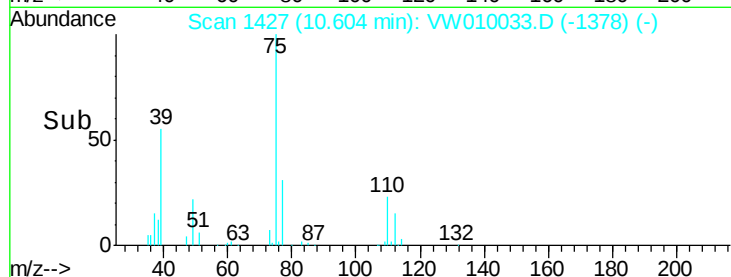
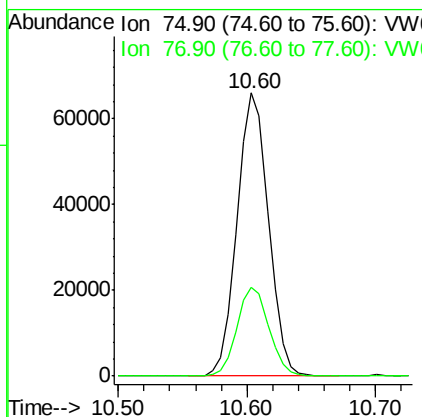
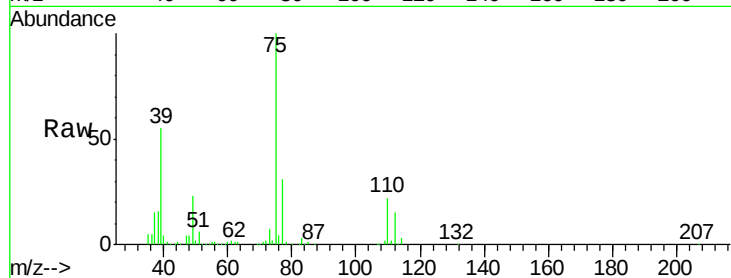
75 100

77 31.3 26.9 40.3

Manual Integrations
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#54

cis-1,3-Dichloropropene

Concen: 20.003 ug/l

RT: 10.07 min Scan# 1339

Delta R.T. -0.01 min

Lab File: VW010033.D

Acq: 18 Apr 2019 02:14

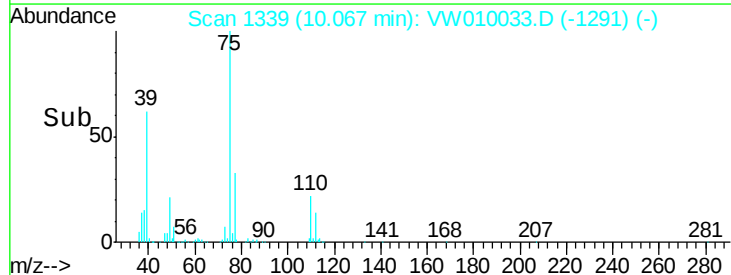
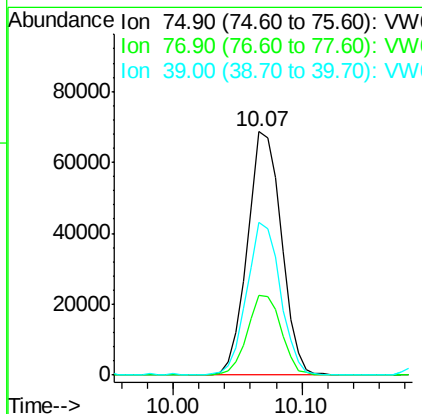
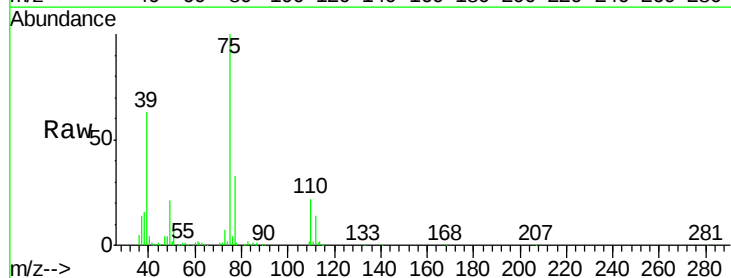
Tgt Ion: 75 Resp: 124818

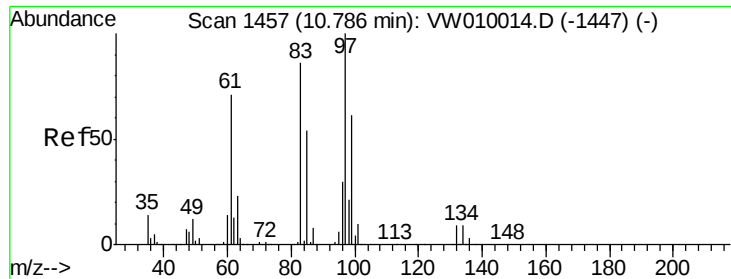
Ion Ratio Lower Upper

75 100

77 32.9 25.6 38.4

39 62.6 47.8 71.6





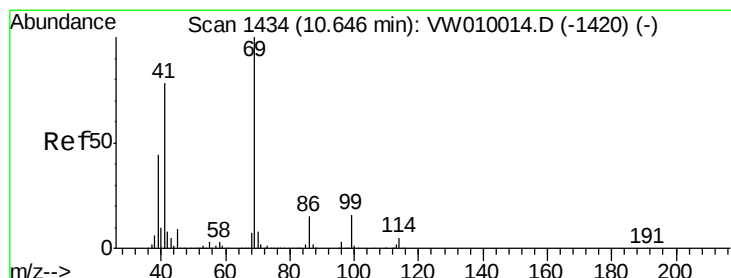
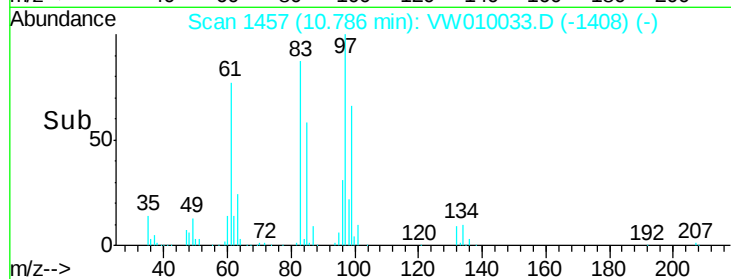
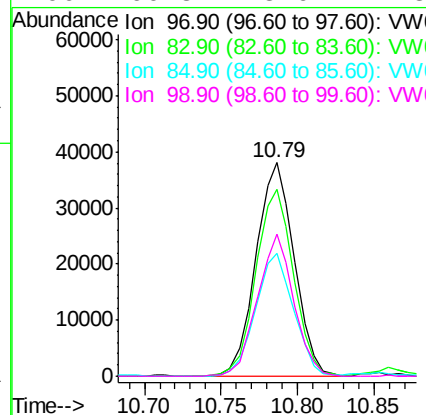
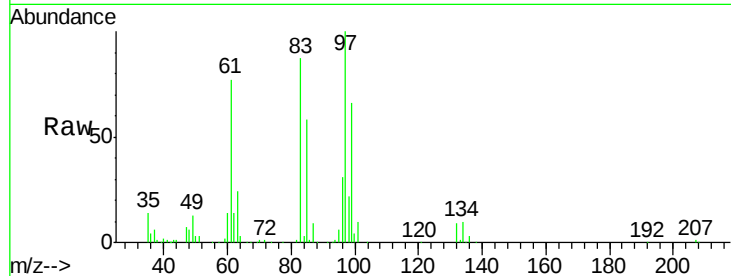
#55
 1,1,2-Trichloroethane
 Concen: 22.157 ug/l
 RT: 10.79 min Scan# 1457
 Delta R.T. 0.00 min
 Lab File: VW010033.D
 Acq: 18 Apr 2019 02:14

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0417SBS02

Tot Ion:	97	Resp:	66032
Ion	Ratio	Lower	Upper
97	100		
83	87.4	68.9	103.3
85	57.8	42.9	64.3
99	66.3	48.6	72.8

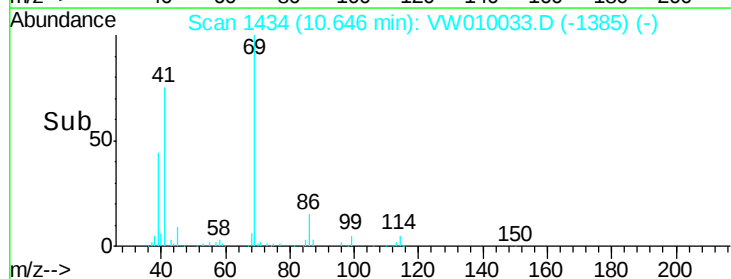
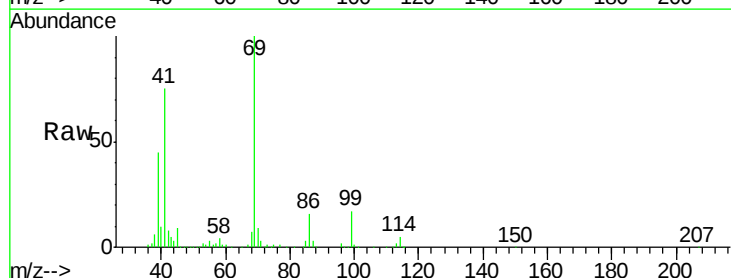
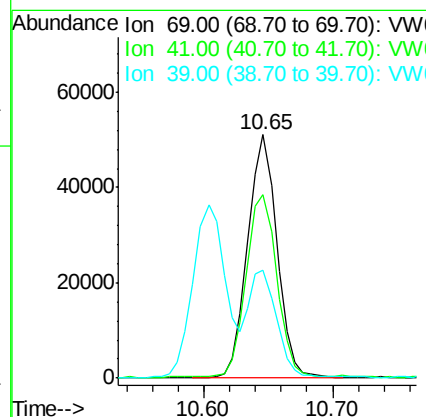
Manual Integrations
 APPROVED

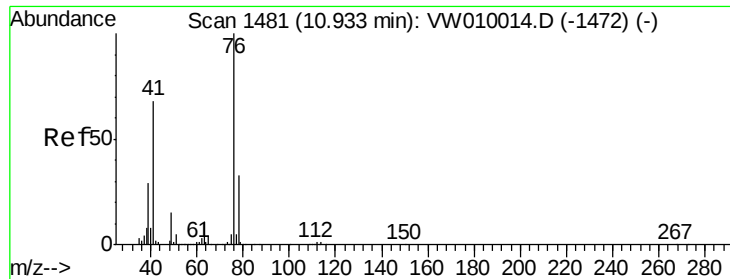
MMDadoda
 4/18/2019 11:39:22 AM



#56
 Ethyl methacrylate
 Concen: 21.078 ug/l
 RT: 10.65 min Scan# 1434
 Delta R.T. 0.00 min
 Lab File: VW010033.D
 Acq: 18 Apr 2019 02:14

Tgt Ion:	69	Resp:	80552
Ion	Ratio	Lower	Upper
69	100		
41	79.7	61.0	91.6
39	41.7	33.8	50.6





#57

1,3-Dichloropropane

Concen: 22.623 ug/l

RT: 10.93 min Scan# 1481

Delta R.T. 0.00 min

Lab File: VW010033.D

Acq: 18 Apr 2019 02:14

Instrument :

MSVOA_W

ClientSampleId :

VW0417SBS02

Tot Ion: 76 Resp: 120838

Ion Ratio Lower Upper

76 100

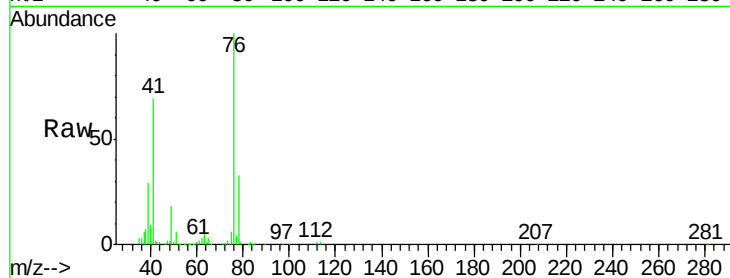
78 31.6 25.8 38.8

Manual Integrations

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MMDadoda

4/18/2019 11:39:22 AM



Abundance Ion 75.90 (75.60 to 76.60): VW

Ion 77.90 (77.60 to 78.60): VW

10.93

80000

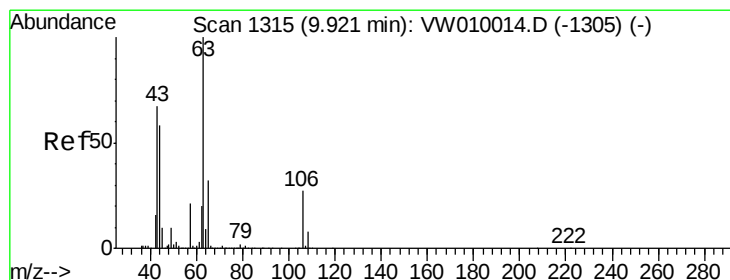
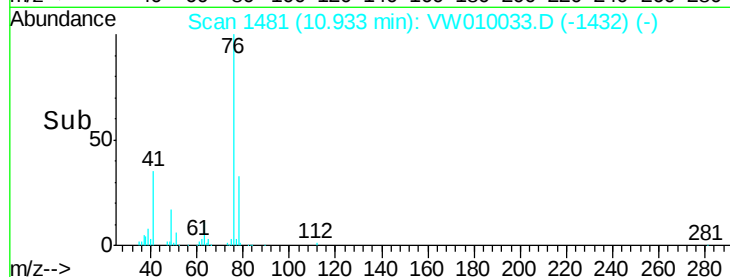
60000

40000

20000

0

Time-->



#58

2-Chloroethyl Vinyl ether

Concen: 134.095 ug/l

RT: 9.92 min Scan# 1315

Delta R.T. 0.00 min

Lab File: VW010033.D

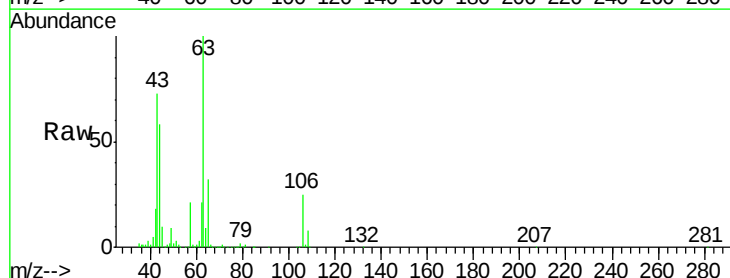
Acq: 18 Apr 2019 02:14

Tgt Ion: 63 Resp: 238790

Ion Ratio Lower Upper

63 100

106 26.5 21.4 32.0



Abundance Ion 62.90 (62.60 to 63.60): VW

Ion 105.90 (105.60 to 106.60): V

9.92

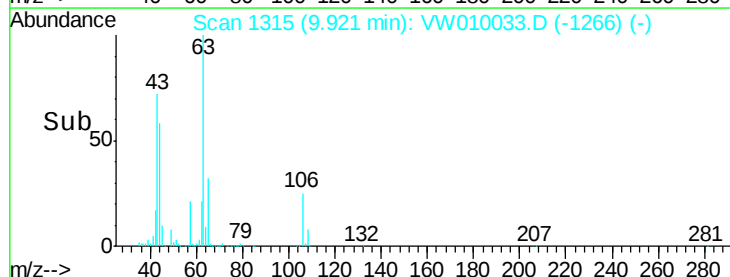
150000

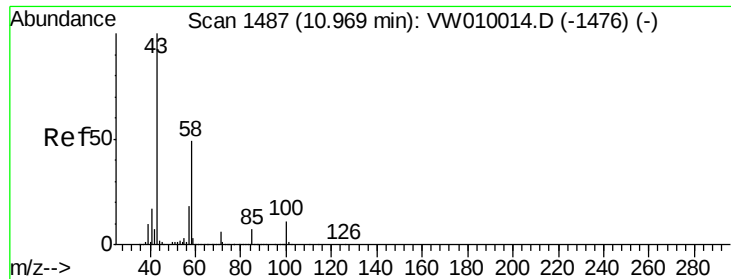
100000

50000

0

Time-->





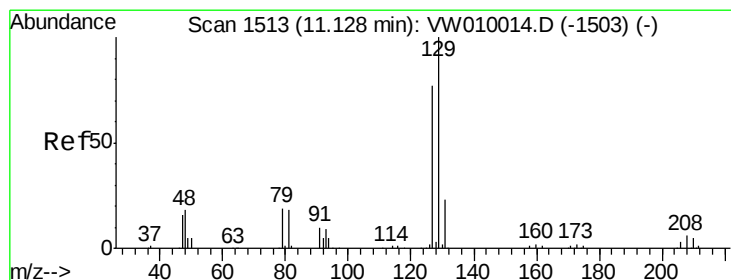
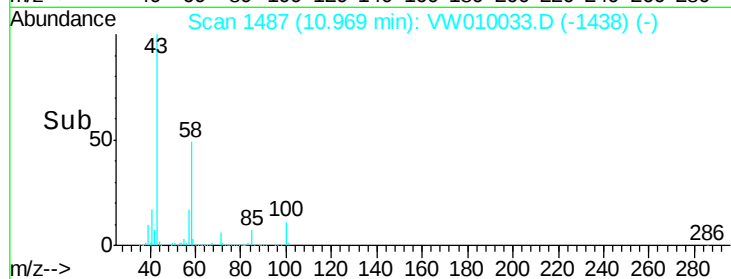
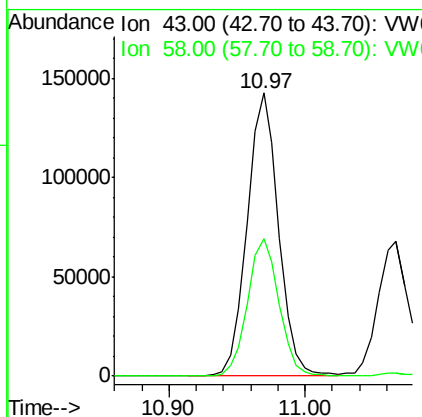
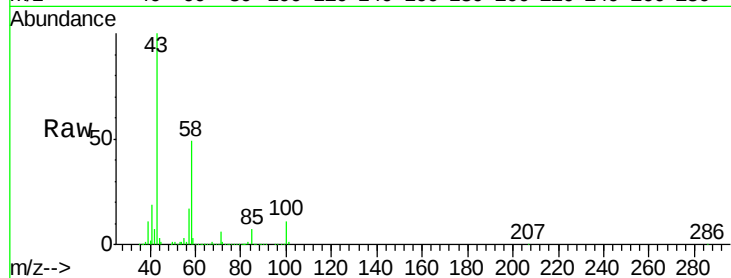
#59
2-Hexanone
Concen: 115.801 ug/l
RT: 10.97 min Scan# 1487
Delta R.T. 0.00 min
Lab File: VW010033.D
Acq: 18 Apr 2019 02:14

Instrument :
MSVOA_W
ClientSampleId :
VW0417SBSD02

Tot Ion: 43 Resp: 230438
Ion Ratio Lower Upper
43 100
58 49.0 24.9 74.7

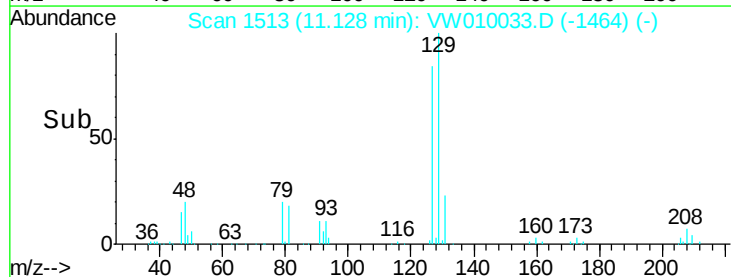
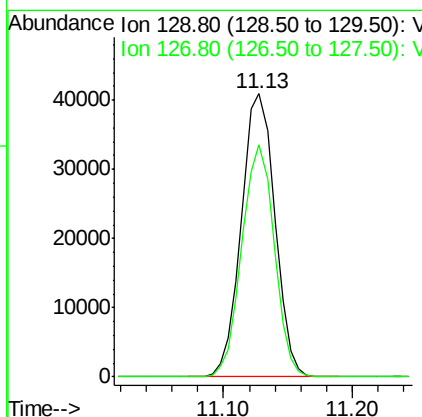
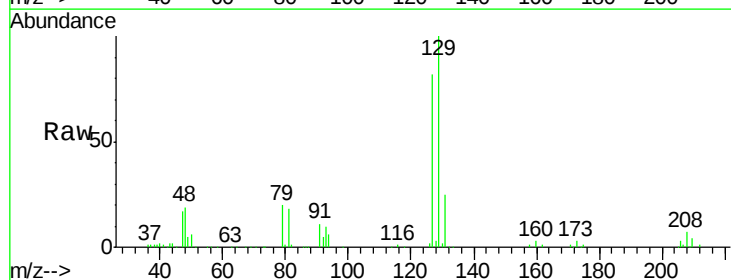
Manual Integrations
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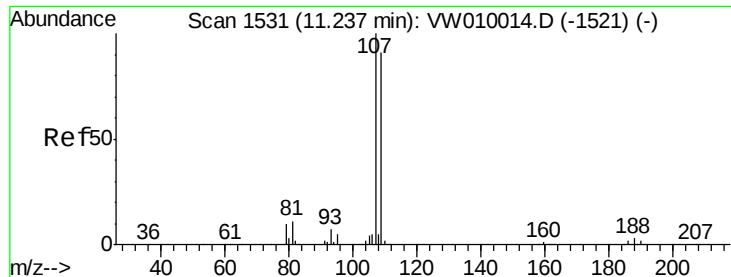
MMDadoda
4/18/2019 11:39:22 AM



#60
Dibromochloromethane
Concen: 21.413 ug/l
RT: 11.13 min Scan# 1513
Delta R.T. 0.00 min
Lab File: VW010033.D
Acq: 18 Apr 2019 02:14

Tgt Ion: 129 Resp: 73757
Ion Ratio Lower Upper
129 100
127 79.0 38.6 116.0





#61

1,2-Dibromoethane

Concen: 21.913 ug/l

RT: 11.23 min Scan# 1530

Delta R.T. -0.01 min

Lab File: VW010033.D

Acq: 18 Apr 2019 02:14

Instrument :

MSVOA_W

ClientSampleId :

VW0417SBS02

Tot Ion:107 Resp: 62123

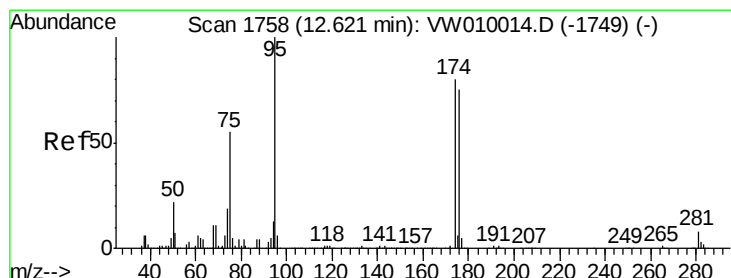
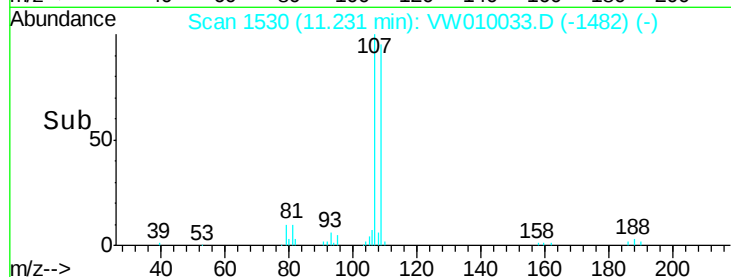
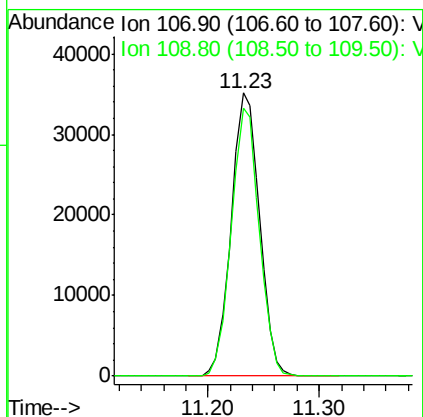
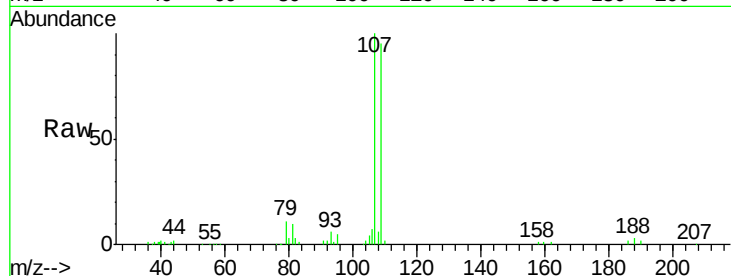
Ion Ratio Lower Upper

107 100

109 93.0 73.6 110.4

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MMDadoda
4/18/2019 11:39:22 AM



#62

4-Bromofluorobenzene

Concen: 53.473 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. 0.00 min

Lab File: VW010033.D

Acq: 18 Apr 2019 02:14

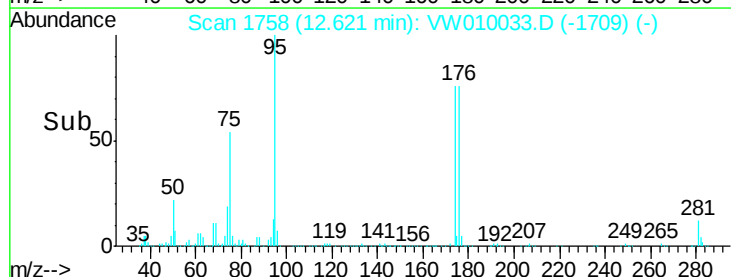
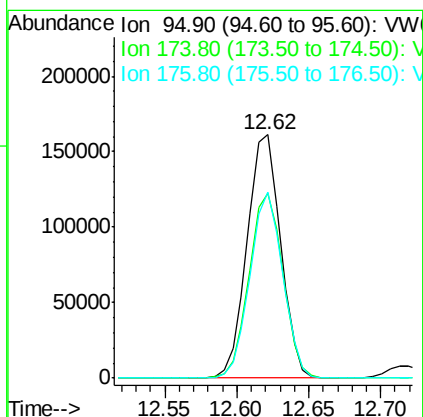
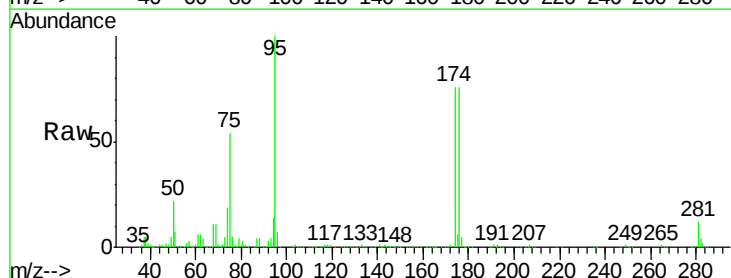
Tgt Ion: 95 Resp: 259844

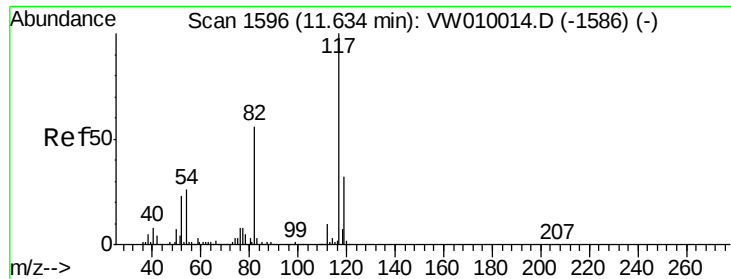
Ion Ratio Lower Upper

95 100

174 76.6 0.0 151.4

176 74.4 0.0 146.2





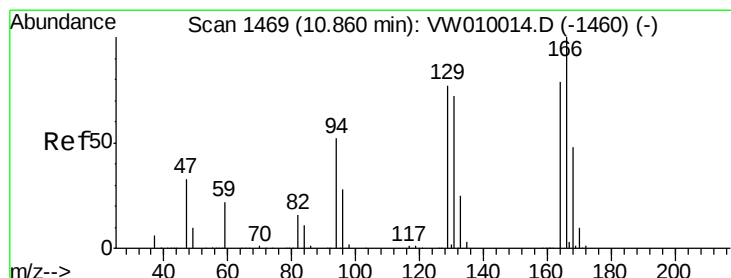
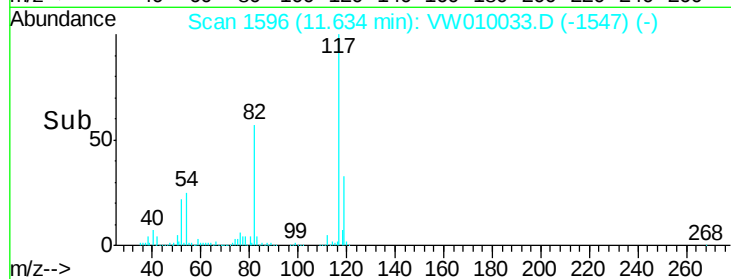
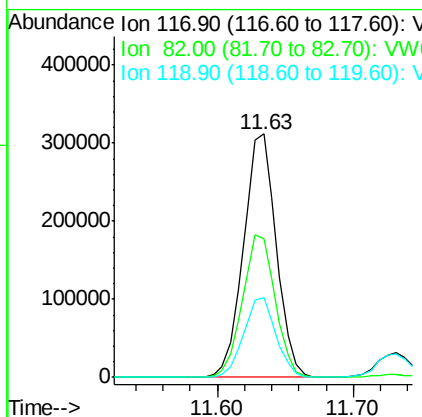
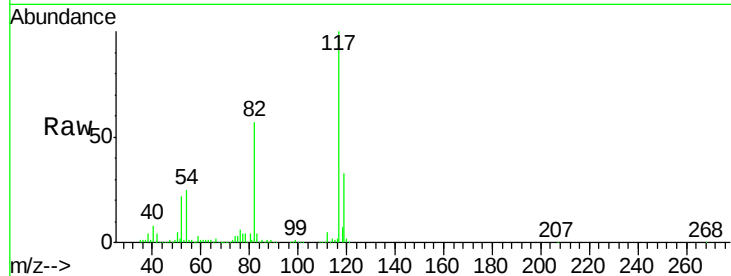
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1596
Delta R.T. 0.00 min
Lab File: VW010033.D
Acq: 18 Apr 2019 02:14

Instrument :
MSVOA_W
ClientSampleId :
VW0417SBSD02

Tot Ion	Ratio	Lower	Upper
117	100		
82	57.1	45.2	67.8
119	32.7	25.4	38.2

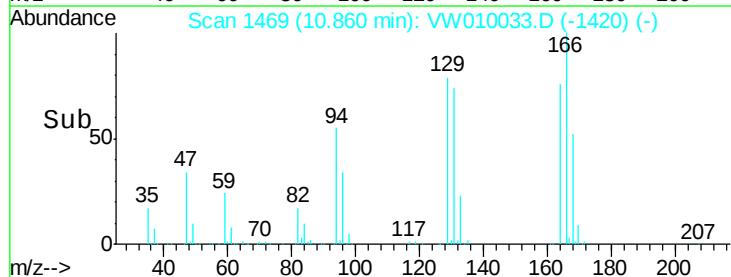
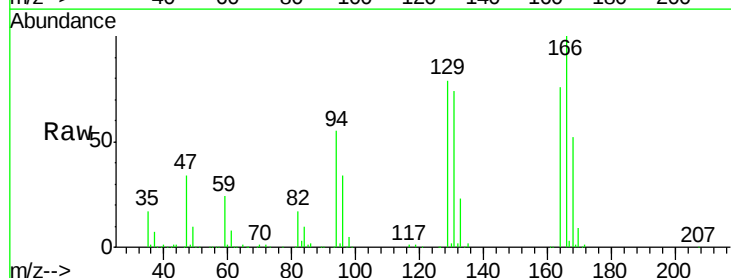
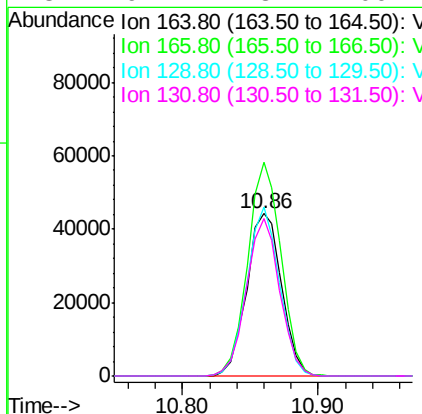
Manual Integrations
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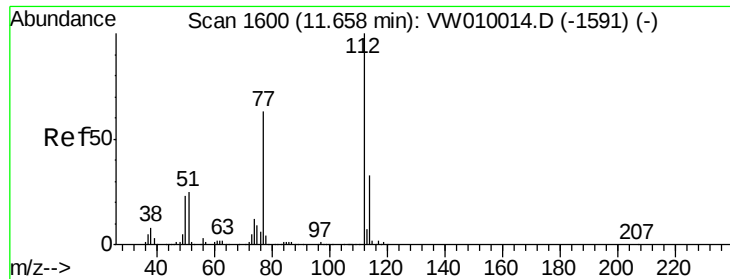
MMDadoda
4/18/2019 11:39:22 AM



#64
Tetrachloroethene
Concen: 23.266 ug/l
RT: 10.86 min Scan# 1469
Delta R.T. 0.00 min
Lab File: VW010033.D
Acq: 18 Apr 2019 02:14

Tgt Ion	Ratio	Lower	Upper
164	100		
166	131.8	101.2	151.8
129	104.6	77.8	116.6
131	97.4	73.1	109.7





#65

Chlorobenzene

Concen: 21.432 ug/l

RT: 11.66 min Scan# 1600

Delta R.T. 0.00 min

Lab File: VW010033.D

Acq: 18 Apr 2019 02:14

Instrument :

MSVOA_W

ClientSampleId :

VW0417SBSD02

Tot Ion:112 Resp: 230694

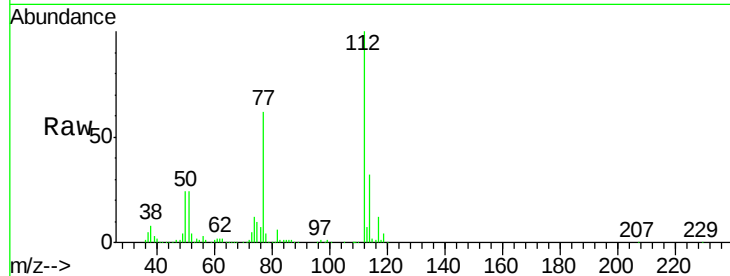
Ion Ratio Lower Upper

112 100

114 31.6 26.5 39.7

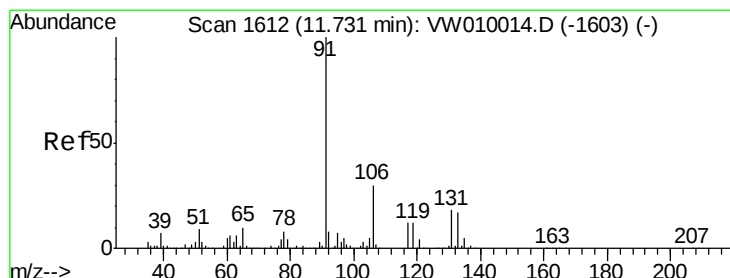
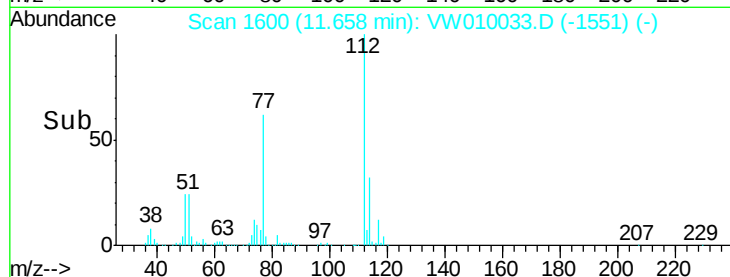
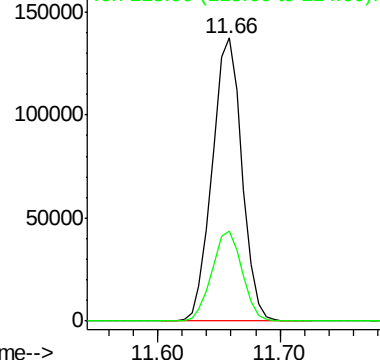
Manual Integrations
APPROVED

MMDadoda
4/18/2019 11:39:22 AM



Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V



#66

1,1,1,2-Tetrachloroethane

Concen: 21.116 ug/l

RT: 11.73 min Scan# 1612

Delta R.T. 0.00 min

Lab File: VW010033.D

Acq: 18 Apr 2019 02:14

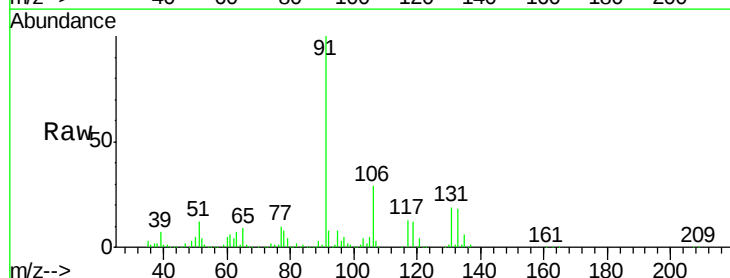
Tgt Ion:131 Resp: 81280

Ion Ratio Lower Upper

131 100

133 95.2 46.5 139.5

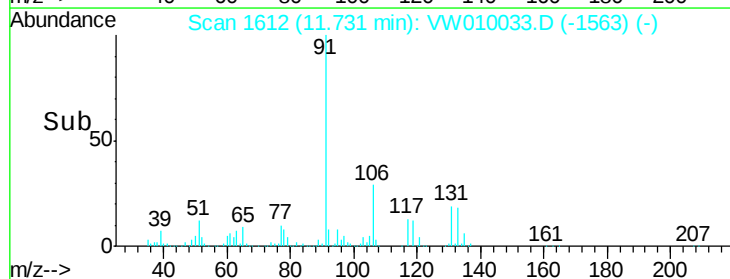
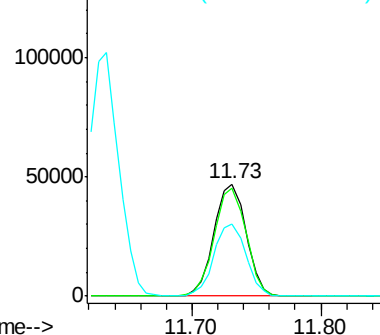
119 64.5 31.9 95.5

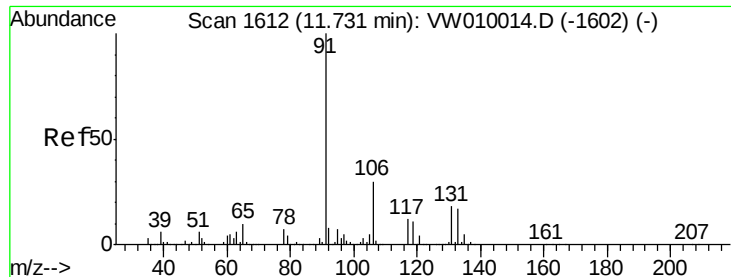


Abundance Ion 130.80 (130.50 to 131.50): V

Ion 132.80 (132.50 to 133.50): V

Ion 118.80 (118.50 to 119.50): V





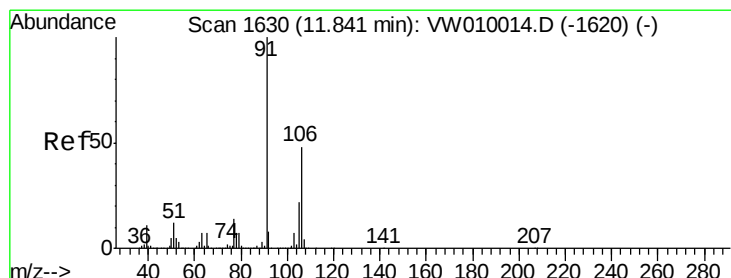
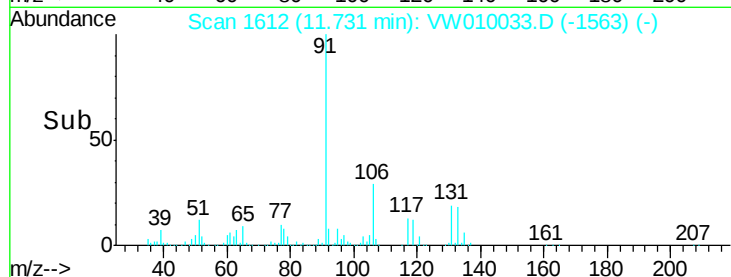
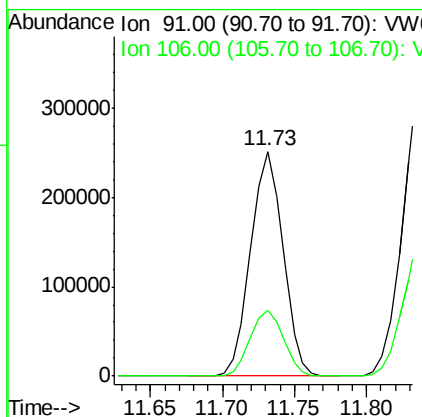
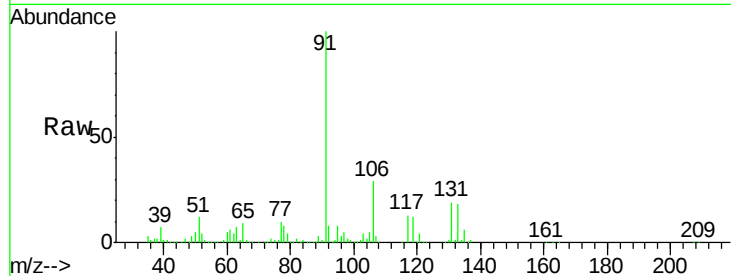
#67
Ethyl Benzene
Concen: 20.350 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. 0.00 min
Lab File: VW010033.D
Acq: 18 Apr 2019 02:14

Instrument :
MSVOA_W
ClientSampleId :
VW0417SBS02

Tot Ion: 91 Resp: 390816
Ion Ratio Lower Upper
91 100
106 29.3 23.8 35.8

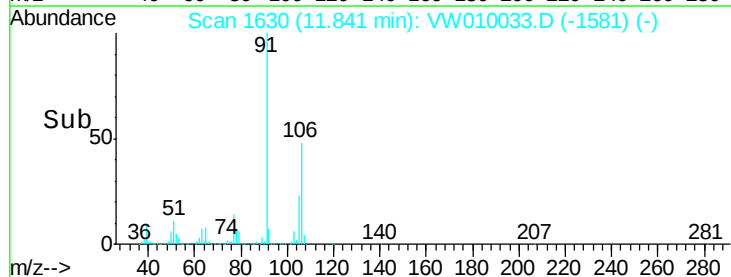
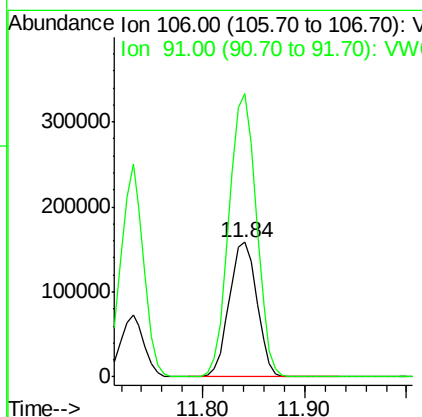
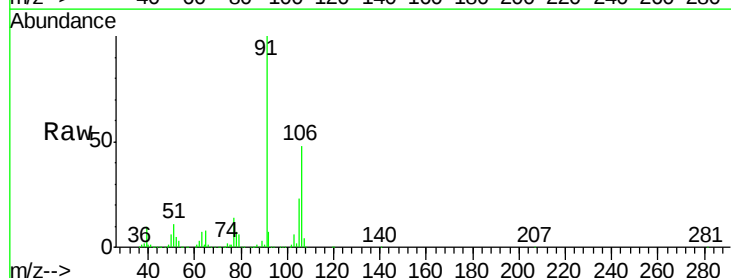
Manual Integrations
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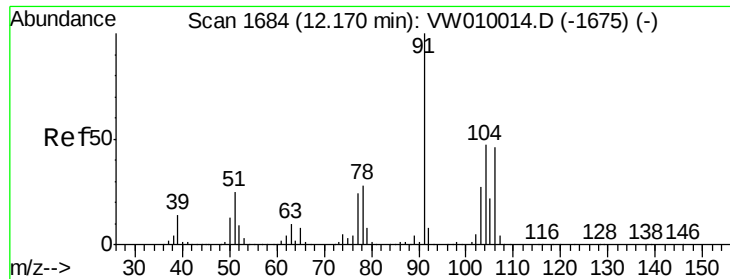
MMDadoda
4/18/2019 11:39:22 AM



#68
m/p-Xylenes
Concen: 41.475 ug/l
RT: 11.84 min Scan# 1630
Delta R.T. 0.00 min
Lab File: VW010033.D
Acq: 18 Apr 2019 02:14

Tgt Ion: 106 Resp: 297736
Ion Ratio Lower Upper
106 100
91 207.6 165.0 247.6





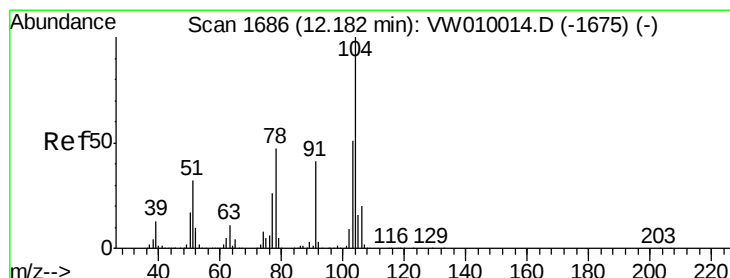
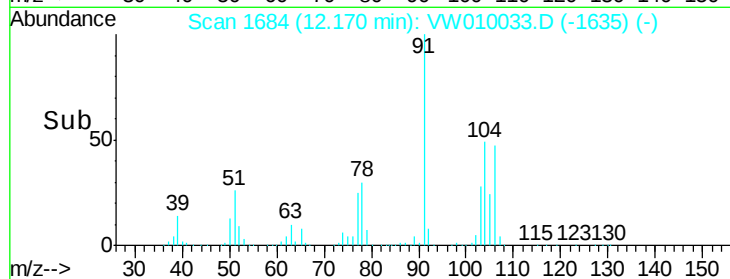
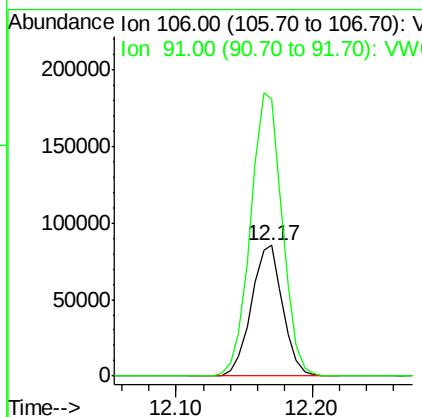
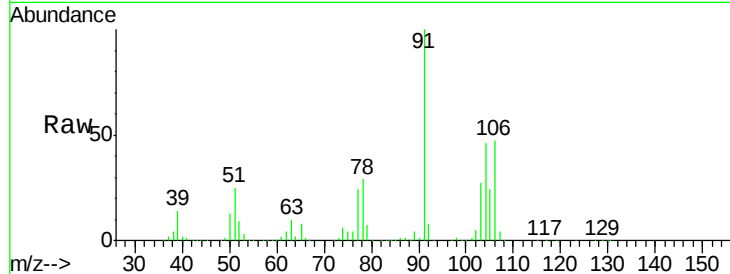
#69
o-Xylene
Concen: 20.955 ug/l
RT: 12.17 min Scan# 1684
Delta R.T. 0.00 min
Lab File: VW010033.D
Acq: 18 Apr 2019 02:14

Instrument :
MSVOA_W
ClientSampleId :
VW0417SBS02

Tot Ion:106 Resp: 136971
Ion Ratio Lower Upper
106 100
91 221.2 110.5 331.4

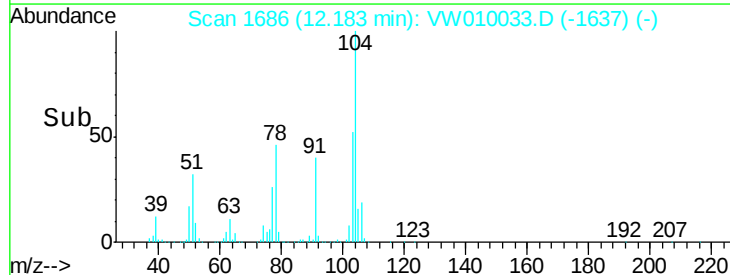
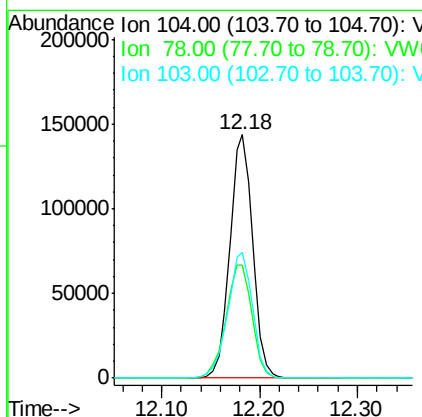
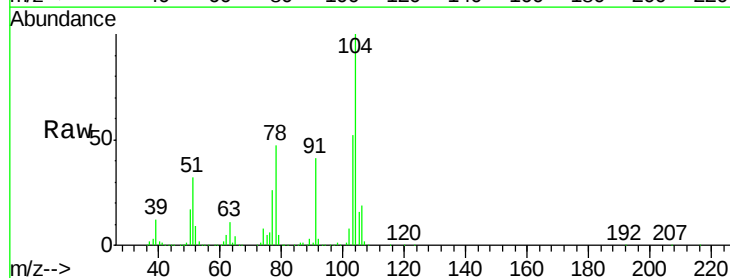
Manual Integrations
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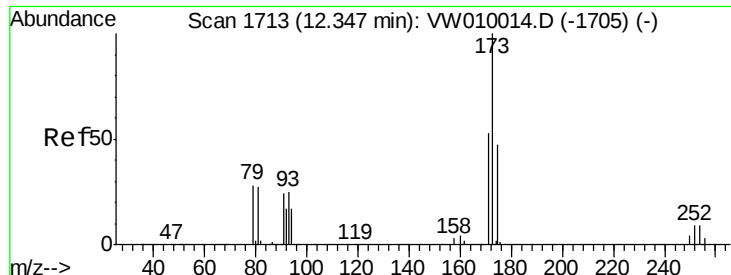
MMDadoda
4/18/2019 11:39:22 AM



#70
Styrene
Concen: 20.614 ug/l
RT: 12.18 min Scan# 1686
Delta R.T. 0.00 min
Lab File: VW010033.D
Acq: 18 Apr 2019 02:14

Tgt Ion:104 Resp: 232328
Ion Ratio Lower Upper
104 100
78 53.1 42.5 63.7
103 56.0 43.6 65.4





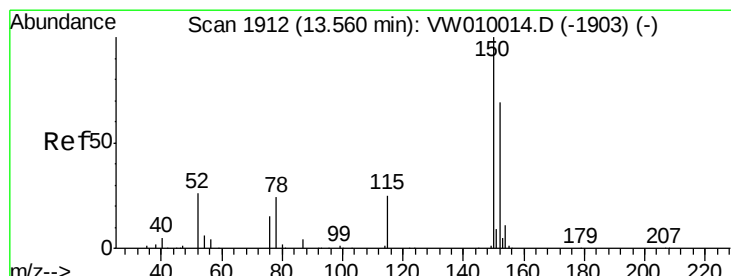
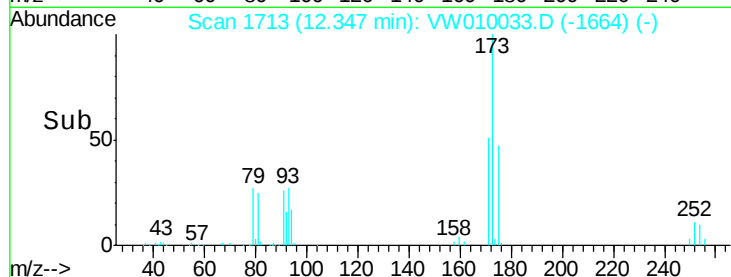
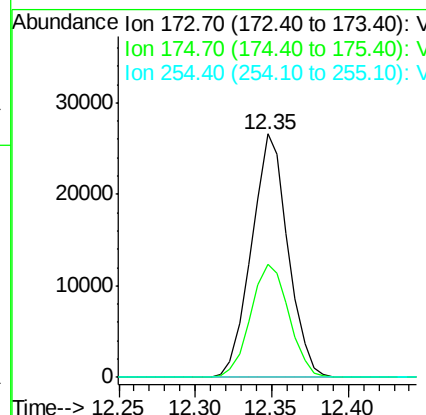
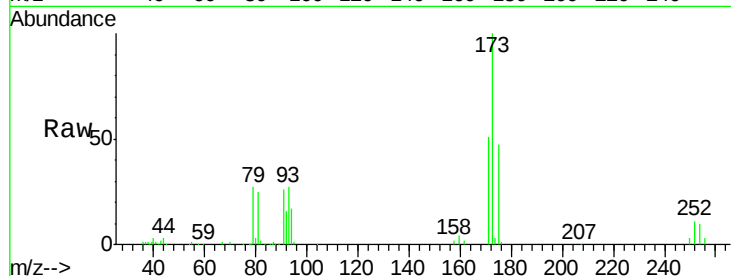
#71
Bromoform
Concen: 21.577 ug/l
RT: 12.35 min Scan# 1713
Delta R.T. 0.00 min
Lab File: VW010033.D
Acq: 18 Apr 2019 02:14

Instrument :
MSVOA_W
ClientSampleId :
VW0417SBS02

Tot Ion	Ratio	Lower	Upper
173	100		
175	48.9	23.8	71.4
254	0.0	0.1	0.1

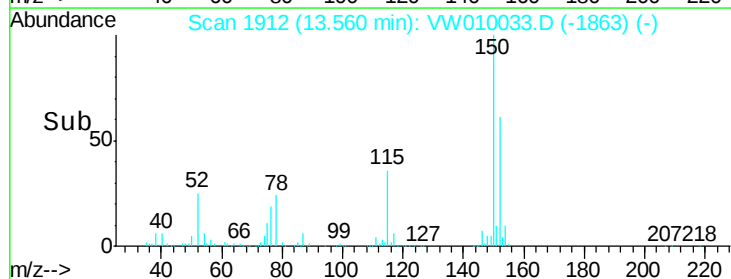
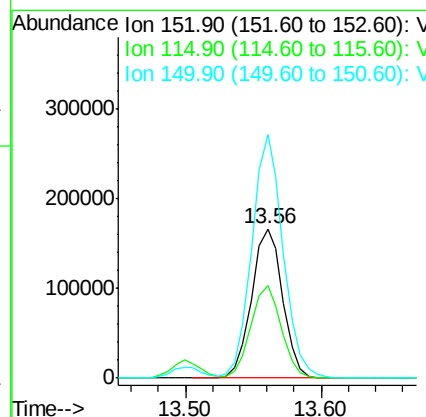
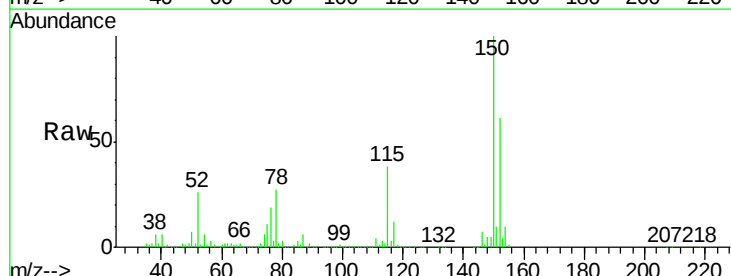
Manual Integrations
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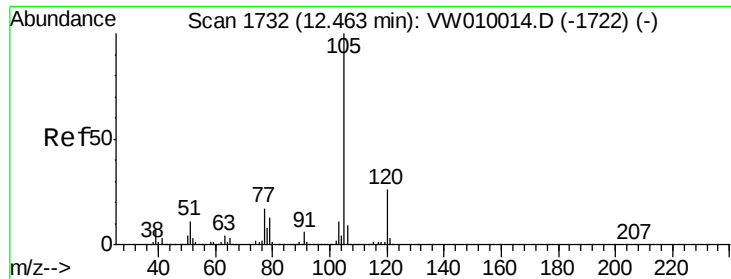
MMDadoda
4/18/2019 11:39:22 AM



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.56 min Scan# 1912
Delta R.T. 0.00 min
Lab File: VW010033.D
Acq: 18 Apr 2019 02:14

Tgt Ion	Ratio	Lower	Upper
152	100		
115	60.9	30.4	91.2
150	164.1	0.0	347.0





#73

Isopropylbenzene

Concen: 20.662 ug/l

RT: 12.46 min Scan# 1732

Delta R.T. 0.00 min

Lab File: VW010033.D

Acq: 18 Apr 2019 02:14

Instrument :

MSVOA_W

ClientSampleId :

VW0417SBS02

Tot Ion:105 Resp: 381834

Ion Ratio Lower Upper

105 100

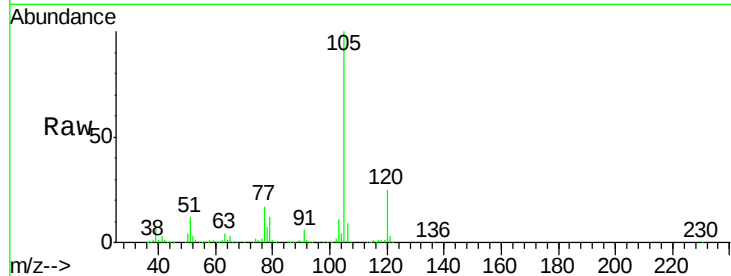
120 25.7 13.1 39.1

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4/18/2019 11:39:22 AM



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

12.46

250000

200000

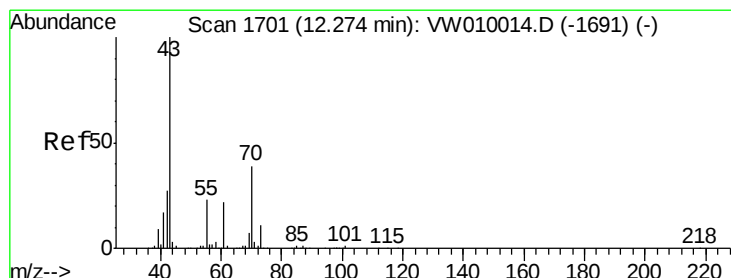
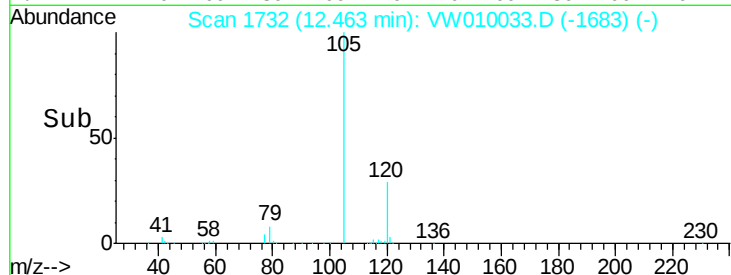
150000

100000

50000

0

Time-->



#74

N-ethyl acetate

Concen: 22.131 ug/l

RT: 12.27 min Scan# 1701

Delta R.T. 0.00 min

Lab File: VW010033.D

Acq: 18 Apr 2019 02:14

Tgt Ion: 43 Resp: 113260

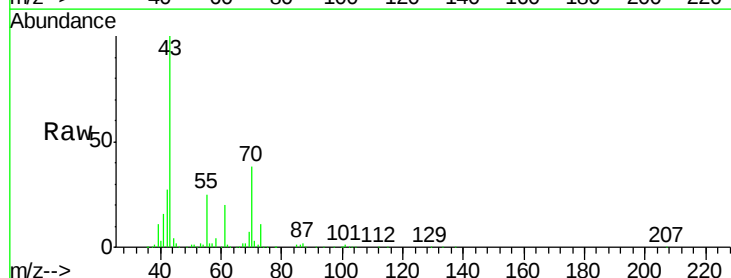
Ion Ratio Lower Upper

43 100

70 38.2 31.3 46.9

55 25.2 20.0 30.0

61 21.2 17.8 26.8



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 70.00 (69.70 to 70.70): VW

Ion 55.00 (54.70 to 55.70): VW

Ion 61.00 (60.70 to 61.70): VW

120000

100000

80000

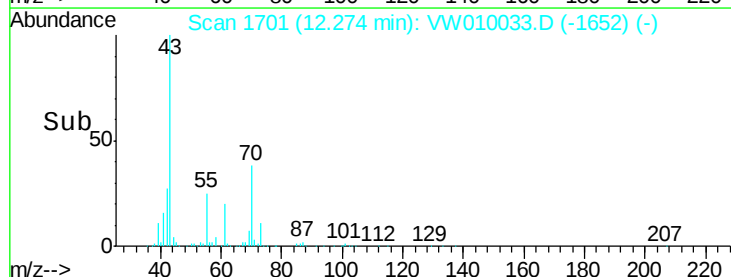
60000

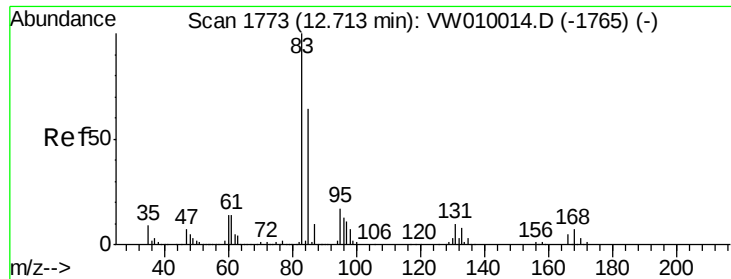
40000

20000

0

Time-->





#75

1,1,2,2-Tetrachloroethane

Concen: 22.201 ug/l

RT: 12.71 min Scan# 1773

Delta R.T. 0.00 min

Lab File: VW010033.D

Acq: 18 Apr 2019 02:14

Instrument :

MSVOA_W

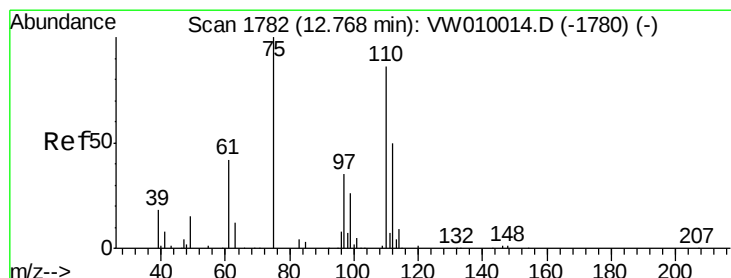
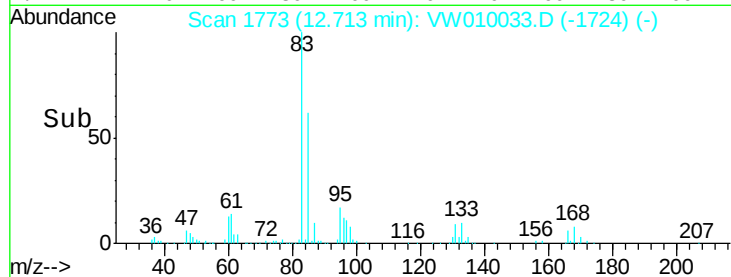
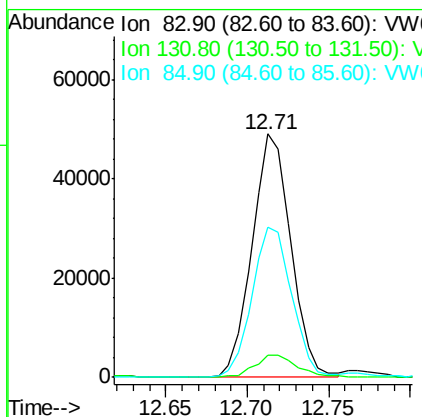
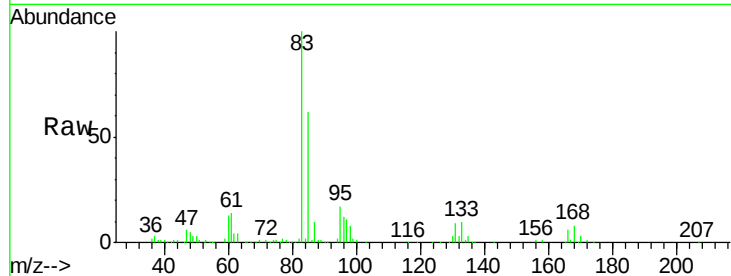
ClientSampleId :

VW0417SBSD02

Tot Ion:	83	Resp:	81058
Ion Ratio	Lower	Upper	
83	100		
131	10.1	5.3	15.8
85	63.3	32.0	96.2

Manual Integrations
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4/18/2019 11:39:22 AM



#76

1,2,3-Trichloropropane

Concen: 21.761 ug/l m

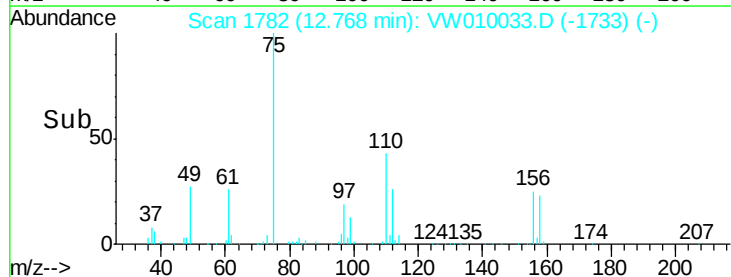
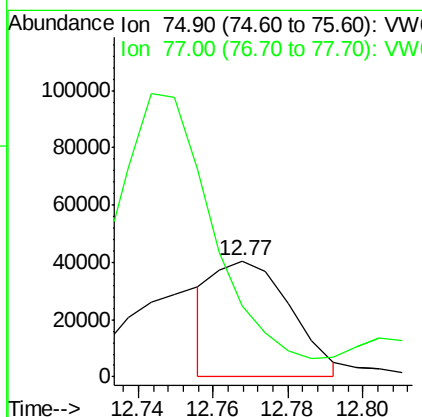
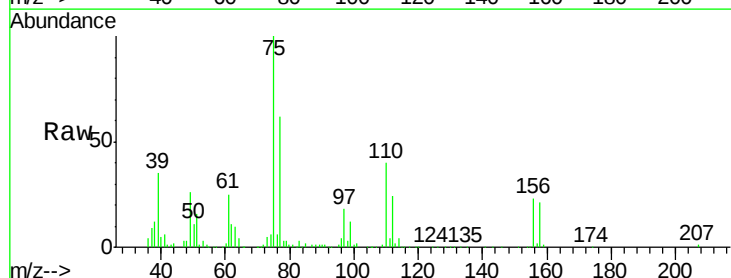
RT: 12.77 min Scan# 1782

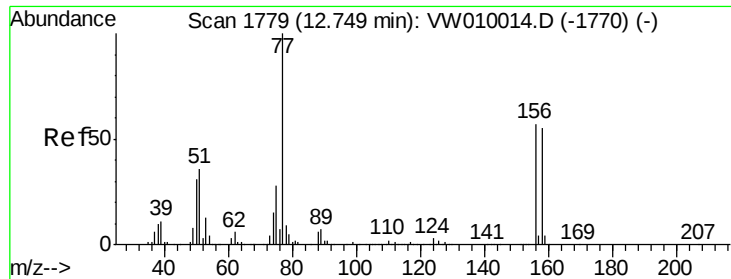
Delta R.T. 0.00 min

Lab File: VW010033.D

Acq: 18 Apr 2019 02:14

Tgt Ion:	75	Resp:	57830
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





#77

Bromobenzene

Concen: 21.460 ug/l

RT: 12.75 min Scan# 1779

Delta R.T. 0.00 min

Lab File: VW010033.D

Acq: 18 Apr 2019 02:14

Instrument :

MSVOA_W

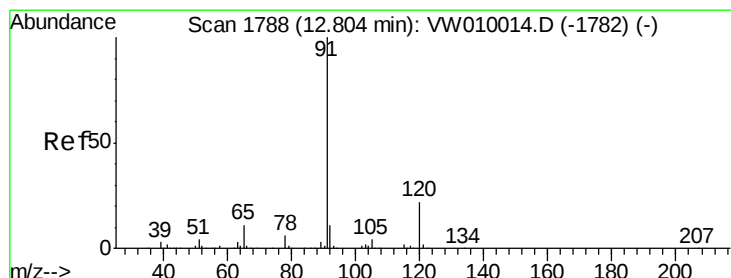
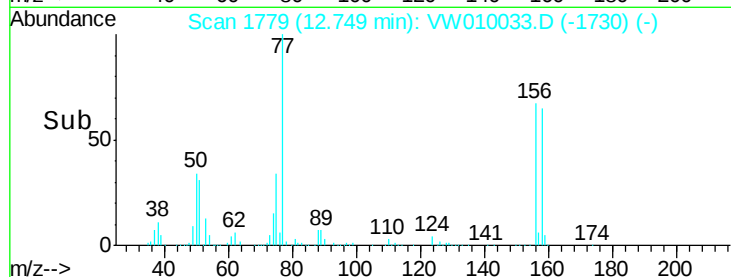
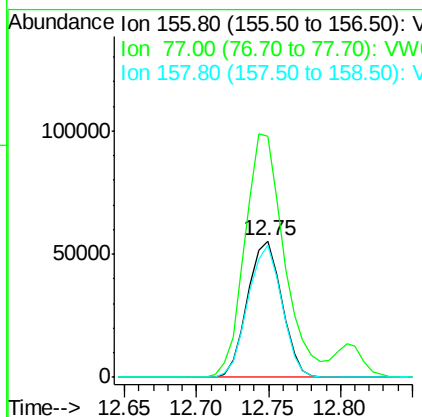
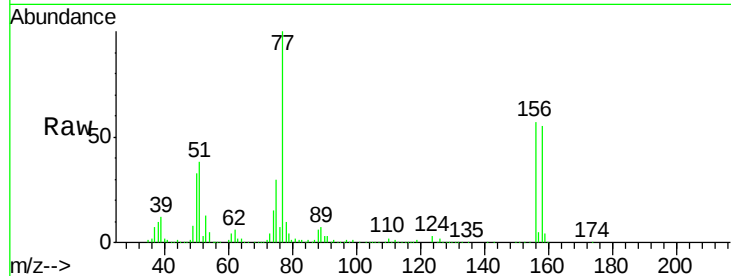
ClientSampleId :

VW0417SBS02

Tot Ion	Ion	Ratio	Lower	Upper
156	100			
77	203.8	102.5	307.4	
158	95.8	48.8	146.4	

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#78

n-propylbenzene

Concen: 20.879 ug/l

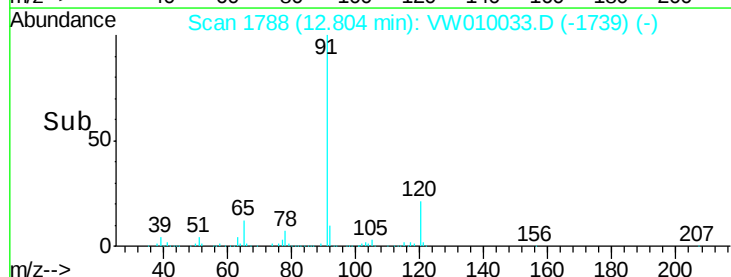
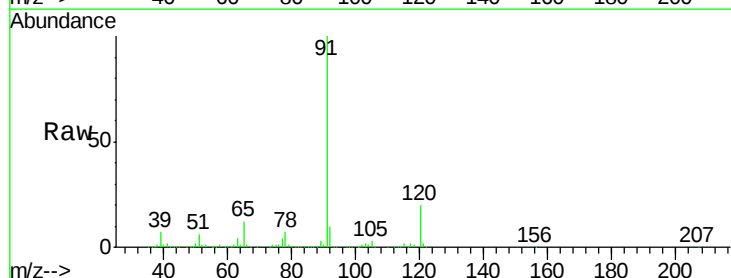
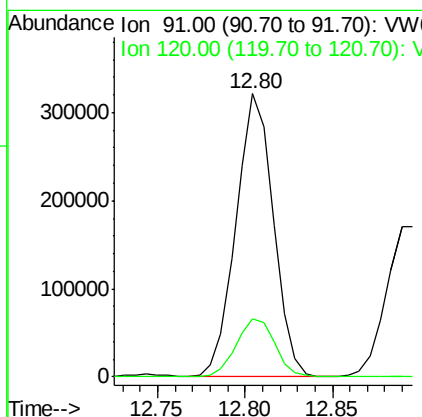
RT: 12.80 min Scan# 1788

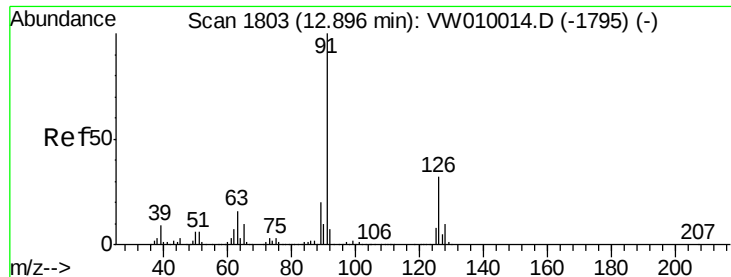
Delta R.T. 0.00 min

Lab File: VW010033.D

Acq: 18 Apr 2019 02:14

Tgt Ion	Ion	Ratio	Lower	Upper
91	100			
120	21.5	11.1	33.1	





#79

2-Chlorotoluene

Concen: 21.152 ug/l

RT: 12.90 min Scan# 1803

Delta R.T. 0.00 min

Lab File: VW010033.D

Acq: 18 Apr 2019 02:14

Instrument :

MSVOA_W

ClientSampleId :

VW0417SBS02

Tot Ion: 91 Resp: 278633

Ion Ratio Lower Upper

91 100

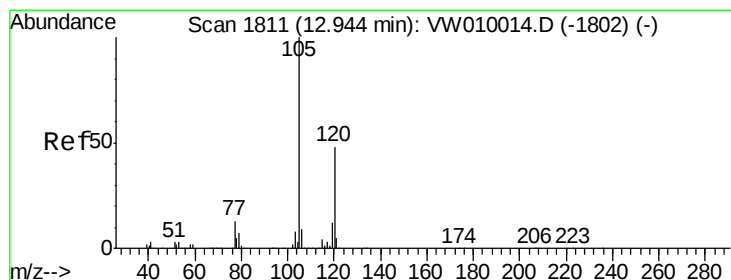
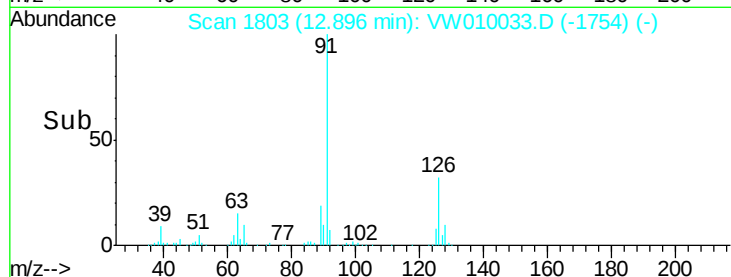
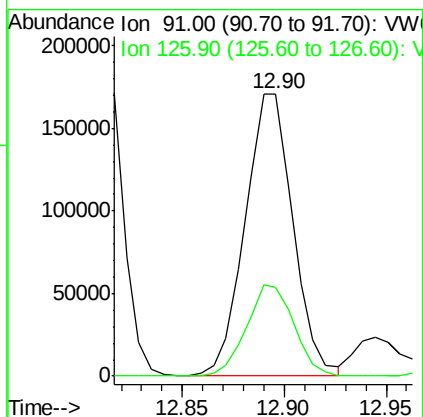
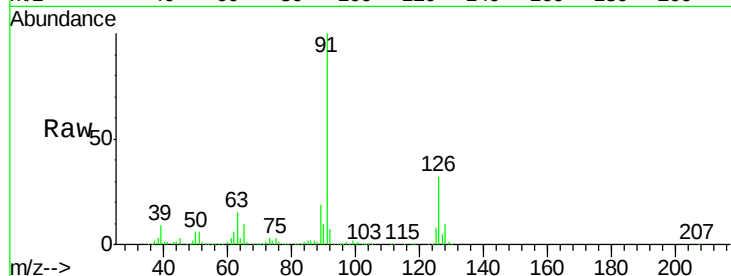
126 32.1 16.3 48.8

Manual Integrations

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#80

1,3,5-Trimethylbenzene

Concen: 20.751 ug/l

RT: 12.94 min Scan# 1811

Delta R.T. 0.00 min

Lab File: VW010033.D

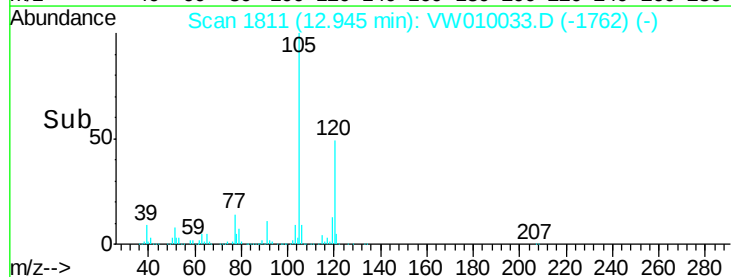
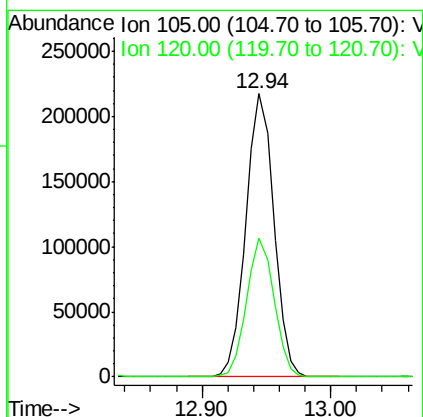
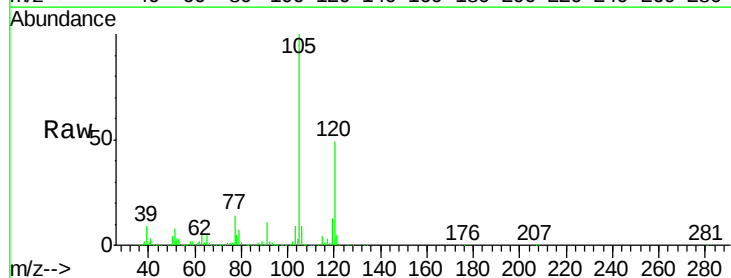
Acq: 18 Apr 2019 02:14

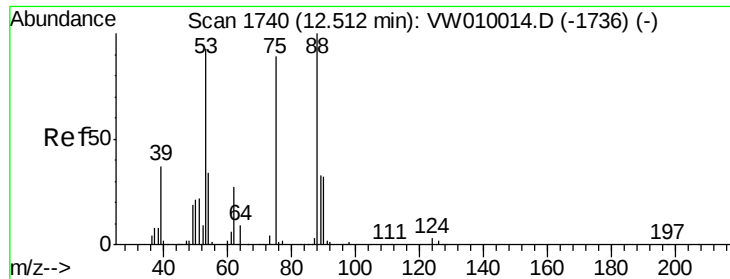
Tgt Ion:105 Resp: 325147

Ion Ratio Lower Upper

105 100

120 48.3 24.3 72.8





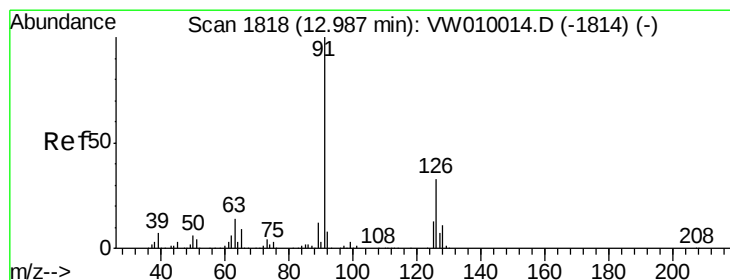
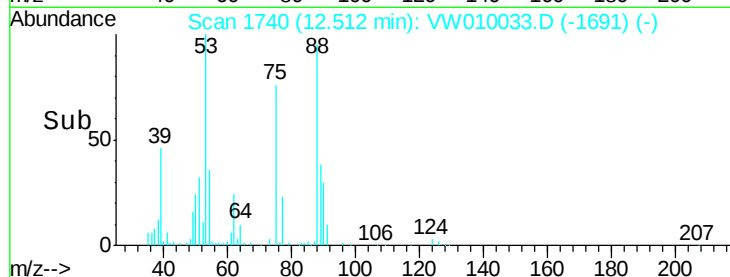
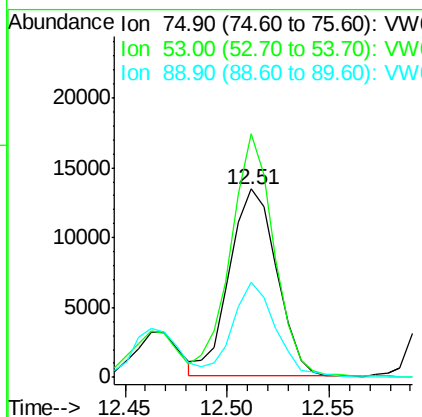
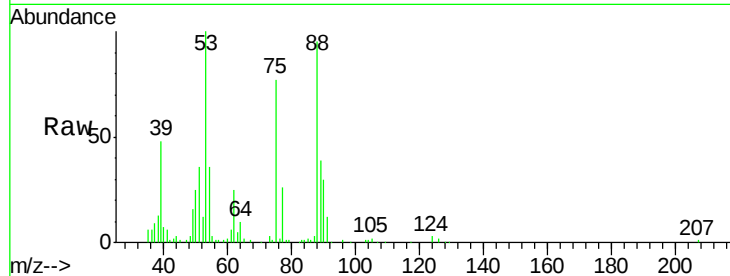
#81
trans-1,4-Dichloro-2-butene
Concen: 19.115 ug/l
RT: 12.51 min Scan# 1740
Delta R.T. 0.00 min
Lab File: VW010033.D
Acq: 18 Apr 2019 02:14

Instrument :
MSVOA_W
ClientSampleId :
VW0417SBS02

Tot Ion	Ratio	Lower	Upper
75	100		
53	121.8	89.8	134.8
89	46.5	36.6	54.8

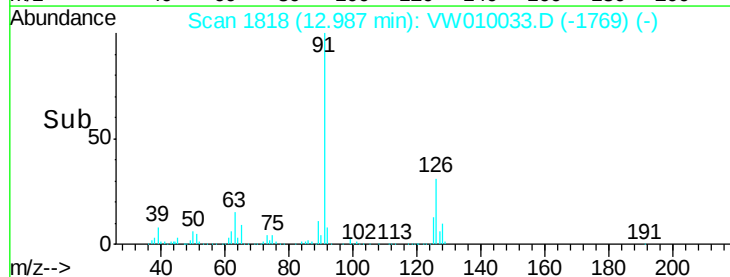
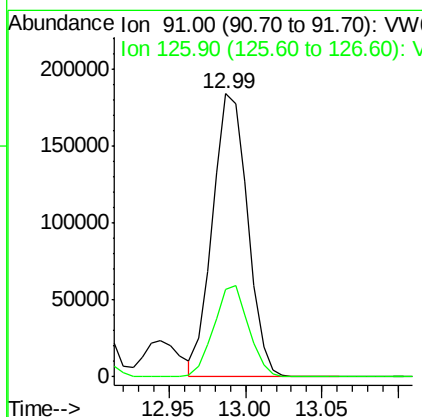
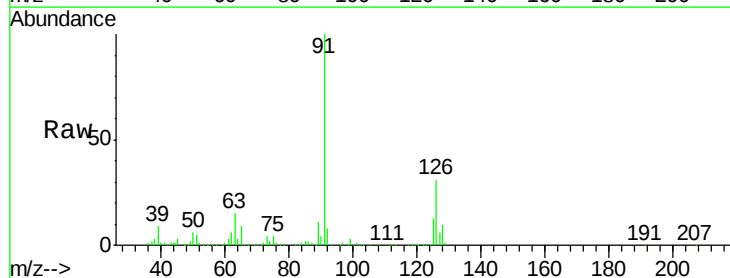
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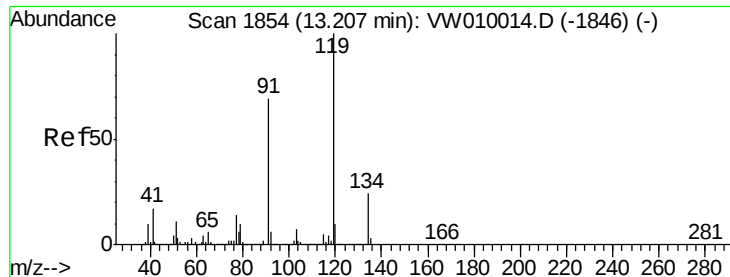
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#82
4-Chlorotoluene
Concen: 21.122 ug/l
RT: 12.99 min Scan# 1818
Delta R.T. 0.00 min
Lab File: VW010033.D
Acq: 18 Apr 2019 02:14

Tgt Ion	Ratio	Lower	Upper
91	100		
126	32.1	16.4	49.1





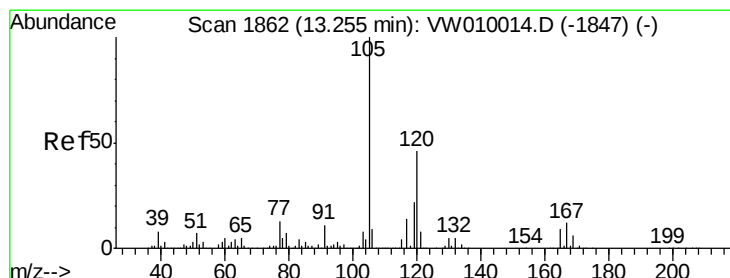
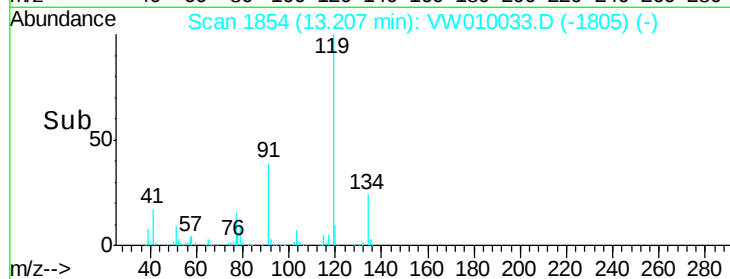
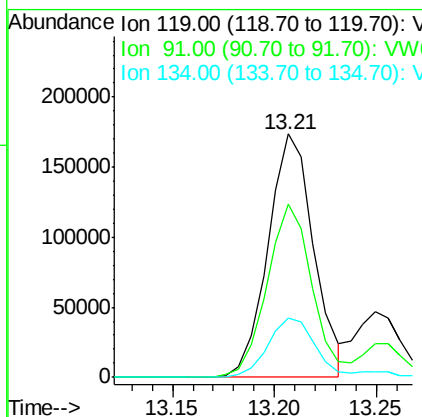
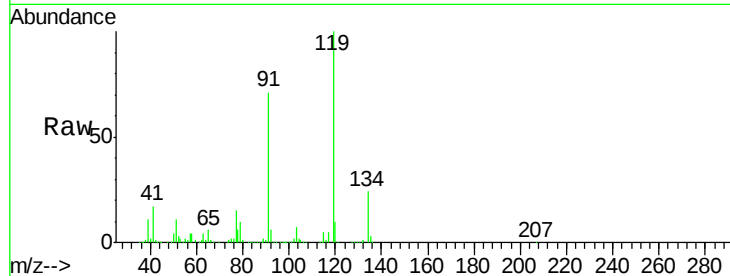
#83
tert-Butylbenzene
Concen: 20.909 ug/l
RT: 13.21 min Scan# 1854
Delta R.T. 0.00 min
Lab File: VW010033.D
Acq: 18 Apr 2019 02:14

Instrument :
MSVOA_W
ClientSampleId :
VW0417SBS02

Tot Ion	Ratio	Lower	Upper
119	100		
91	70.5	34.8	104.4
134	25.1	13.7	41.1

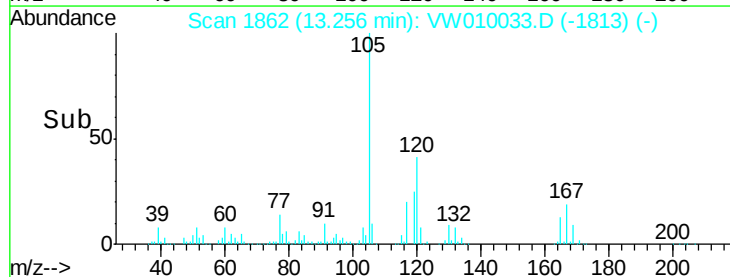
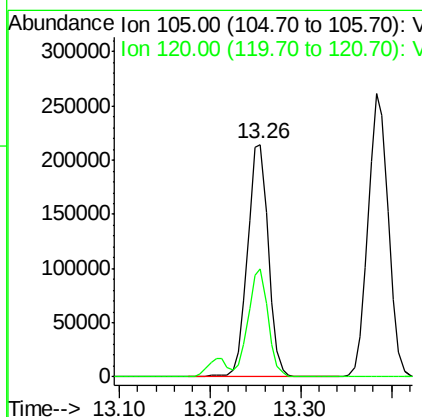
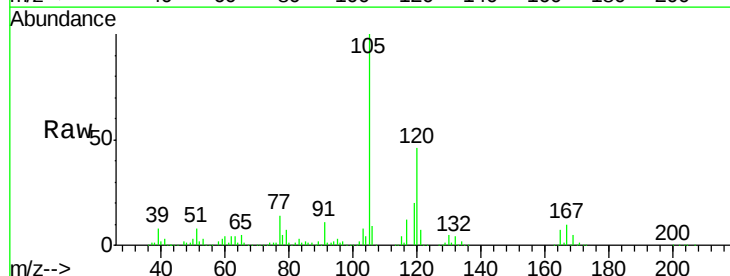
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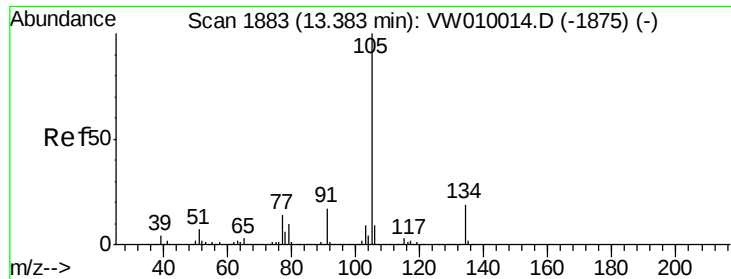
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#84
1,2,4-Trimethylbenzene
Concen: 21.475 ug/l
RT: 13.26 min Scan# 1862
Delta R.T. 0.00 min
Lab File: VW010033.D
Acq: 18 Apr 2019 02:14

Tgt Ion	Ratio	Lower	Upper
105	100		
120	44.0	22.6	67.7





#85

sec-Butylbenzene

Concen: 20.851 ug/l

RT: 13.38 min Scan# 1883

Delta R.T. 0.00 min

Lab File: VW010033.D

Acq: 18 Apr 2019 02:14

Instrument :

MSVOA_W

ClientSampleId :

VW0417SBS02

Tot Ion:105 Resp: 404322

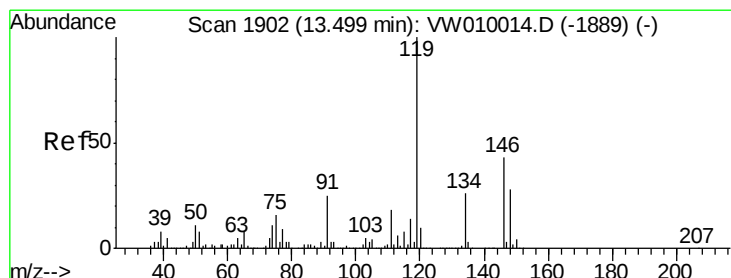
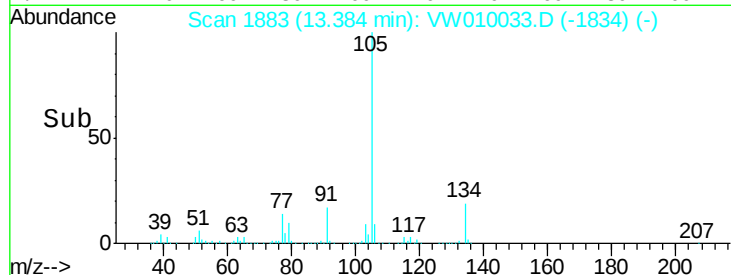
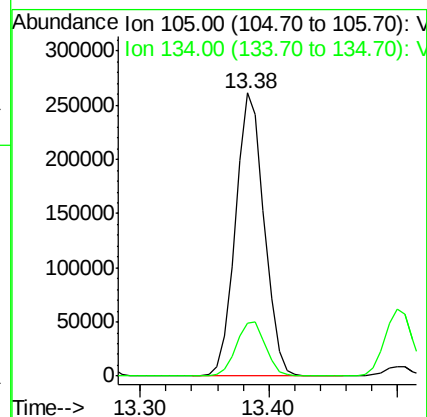
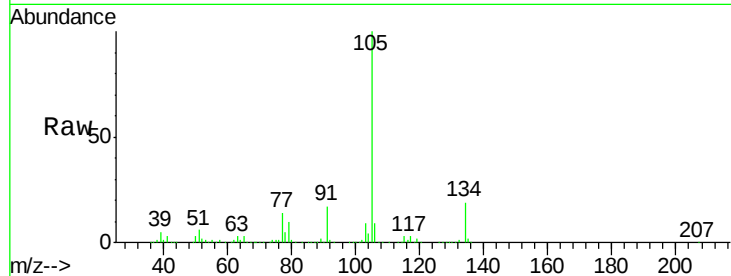
Ion Ratio Lower Upper

105 100

134 19.7 9.8 29.5

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#86

p-Isopropyltoluene

Concen: 20.239 ug/l

RT: 13.50 min Scan# 1902

Delta R.T. 0.00 min

Lab File: VW010033.D

Acq: 18 Apr 2019 02:14

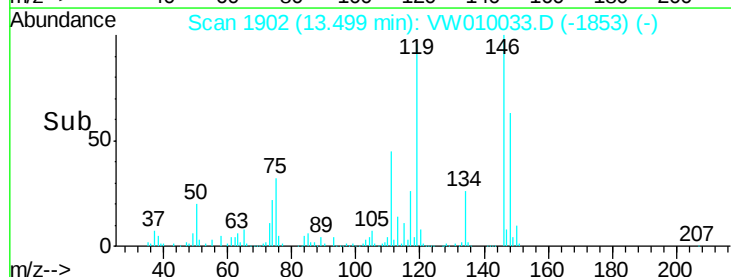
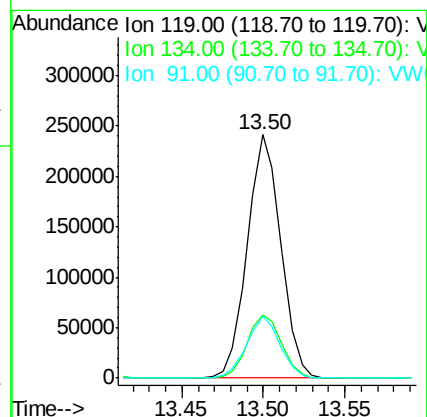
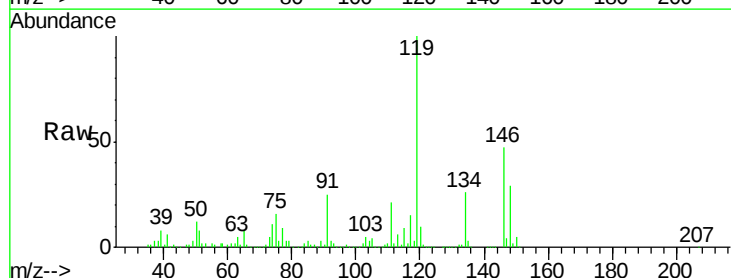
Tgt Ion:119 Resp: 345903

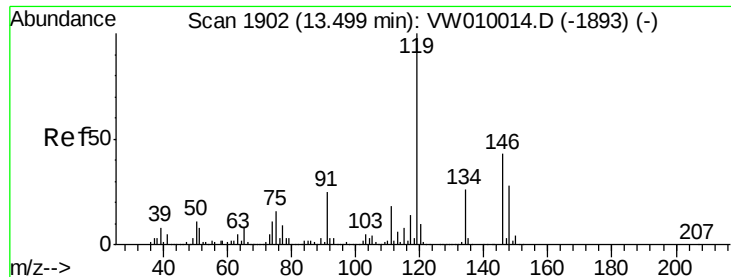
Ion Ratio Lower Upper

119 100

134 26.7 13.0 38.9

91 25.1 12.3 36.9





#87

1,3-Dichlorobenzene

Concen: 21.142 ug/l

RT: 13.50 min Scan# 1902

Delta R.T. 0.00 min

Lab File: VW010033.D

Acq: 18 Apr 2019 02:14

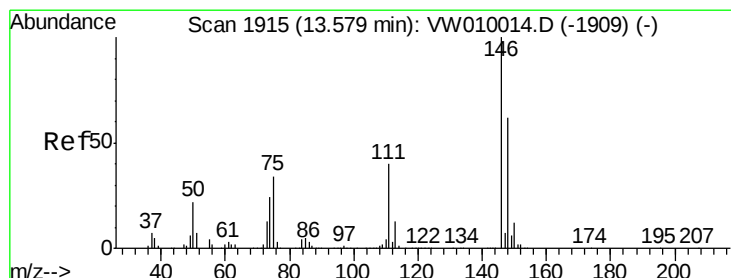
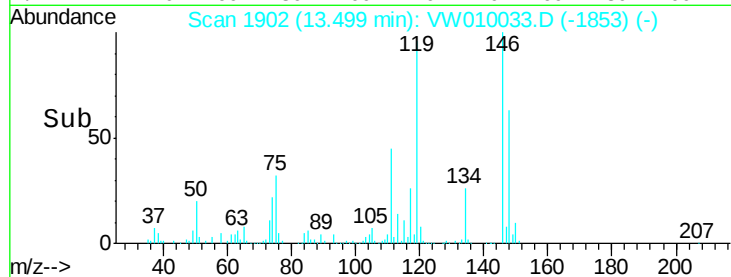
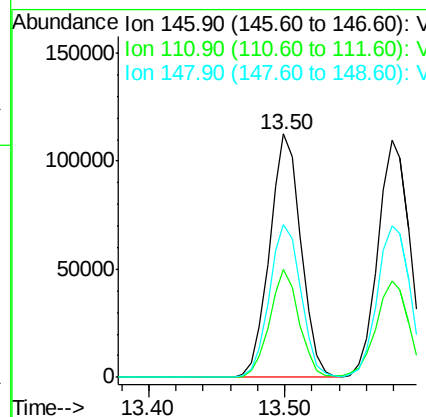
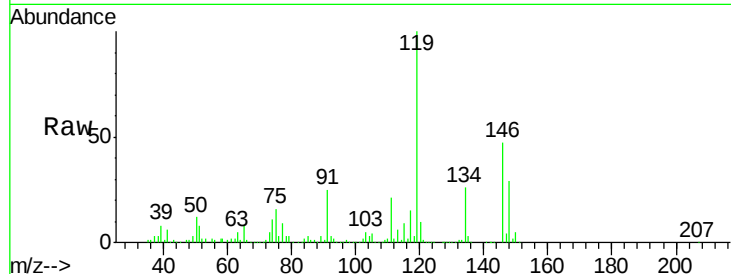
Instrument :
MSVOA_W

ClientSampleId :
VW0417SBS02

Tot Ion	Ratio	Resp	Lower	Upper
146	100	181641		
111	41.6	20.3	61.0	
148	63.3	32.0	96.2	

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#88

1,4-Dichlorobenzene

Concen: 20.679 ug/l

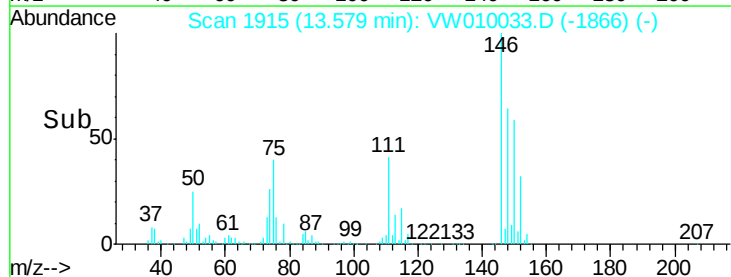
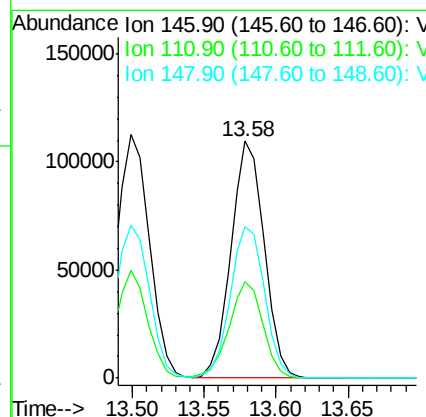
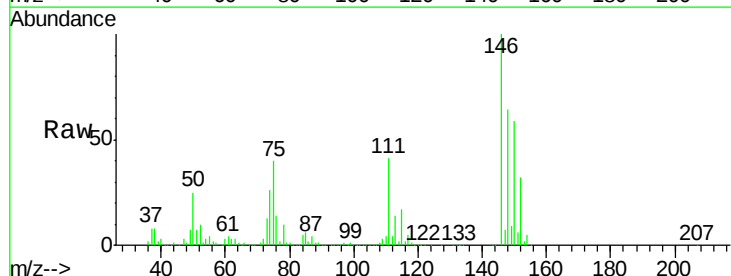
RT: 13.58 min Scan# 1915

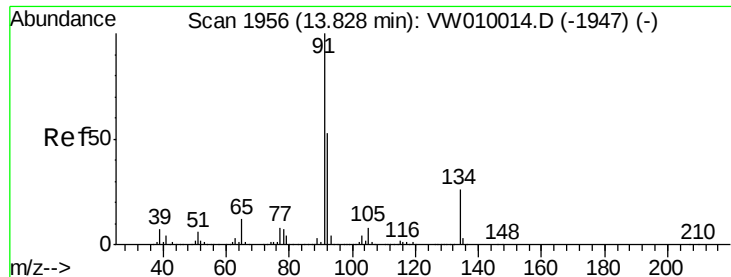
Delta R.T. 0.00 min

Lab File: VW010033.D

Acq: 18 Apr 2019 02:14

Tgt Ion	Ratio	Resp	Lower	Upper
146	100	177342		
111	41.8	20.1	60.3	
148	65.8	31.8	95.3	





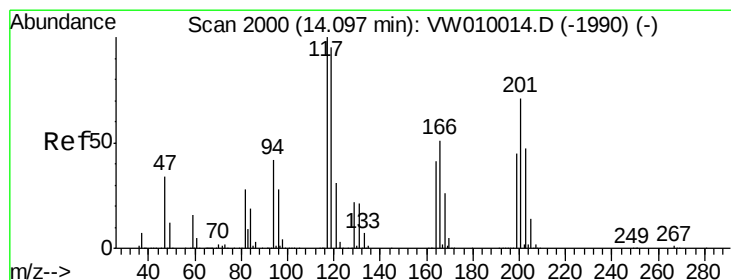
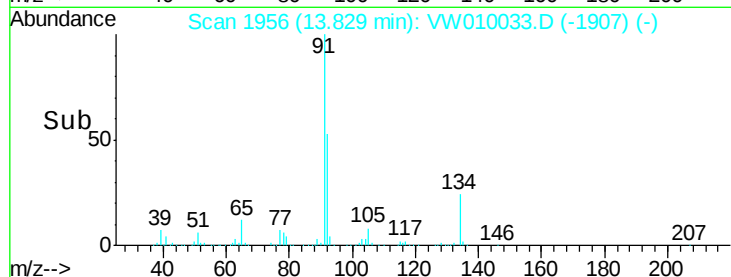
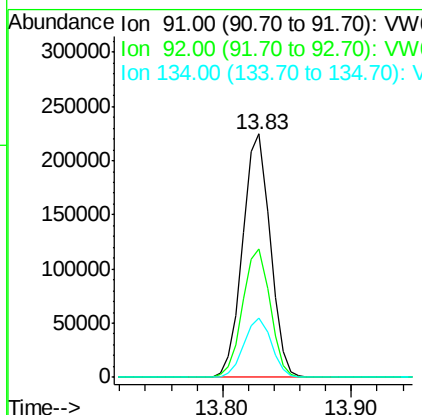
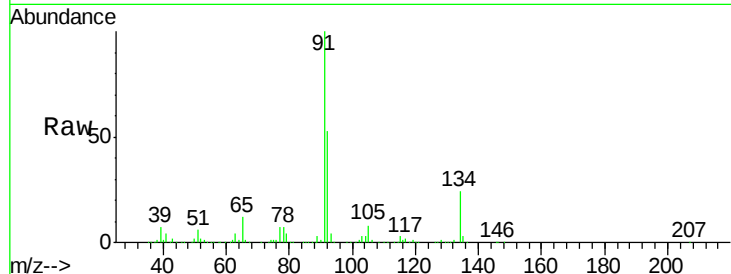
#89
n-Butylbenzene
Concen: 19.549 ug/l
RT: 13.83 min Scan# 1956
Delta R.T. 0.00 min
Lab File: VW010033.D
Acq: 18 Apr 2019 02:14

Instrument :
MSVOA_W
ClientSampleId :
VW0417SBS02

Tot Ion	Ratio	Lower	Upper
91	100		
92	52.8	26.5	79.4
134	24.4	12.4	37.0

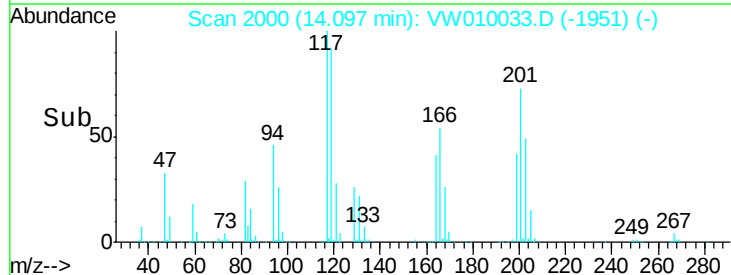
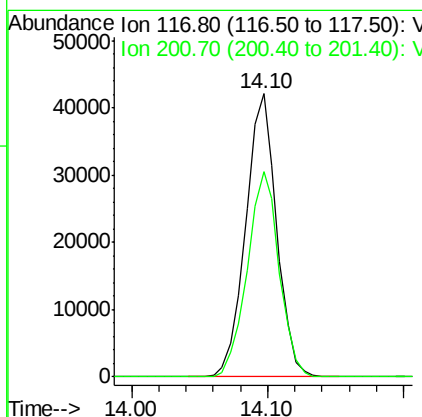
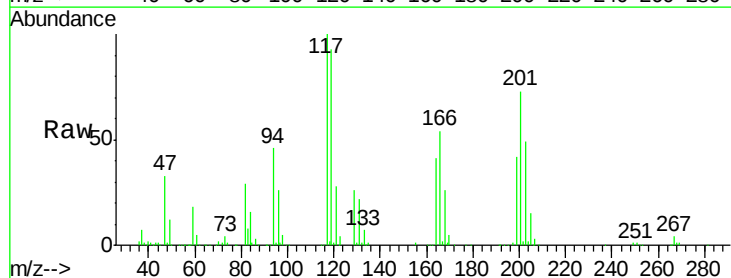
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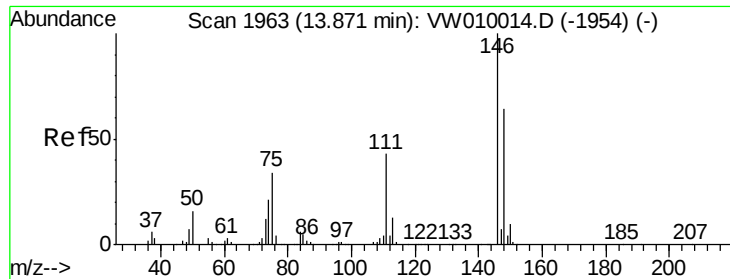
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#90
Hexachloroethane
Concen: 20.427 ug/l
RT: 14.10 min Scan# 2000
Delta R.T. 0.00 min
Lab File: VW010033.D
Acq: 18 Apr 2019 02:14

Tgt Ion	Ratio	Lower	Upper
117	100		
201	74.7	36.1	108.3





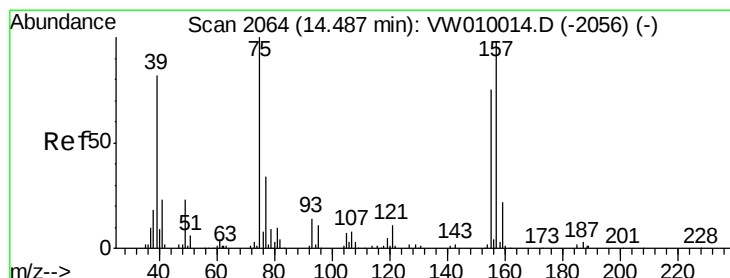
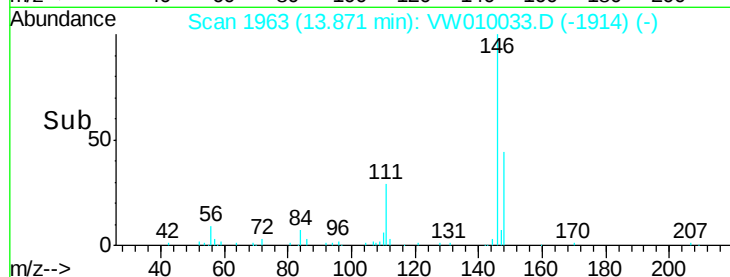
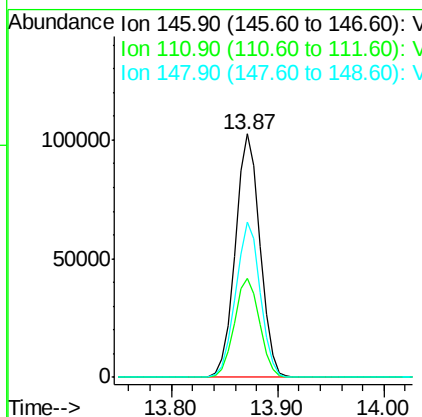
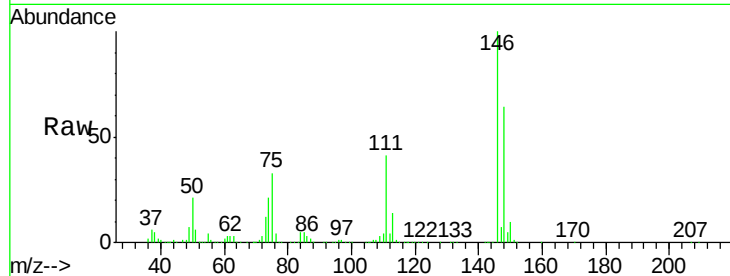
#91
 1,2-Dichlorobenzene
 Concen: 21.628 ug/l
 RT: 13.87 min Scan# 1963
 Delta R.T. 0.00 min
 Lab File: VW010033.D
 Acq: 18 Apr 2019 02:14

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0417SBSD02

Tot Ion	Ratio	Resp	Lower	Upper
146	100	166612		
111	41.7	20.9	62.8	
148	63.9	31.9	95.7	

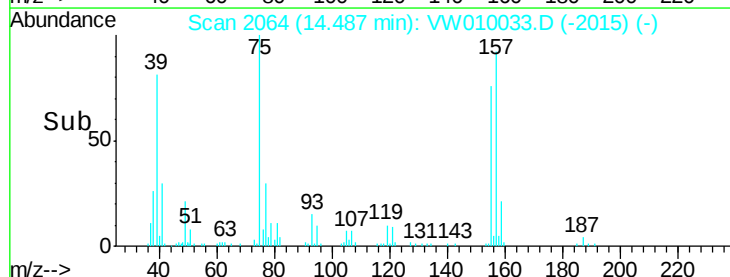
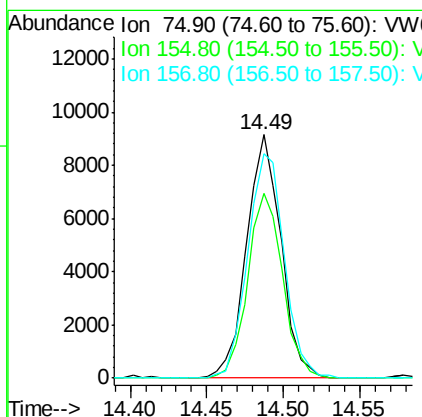
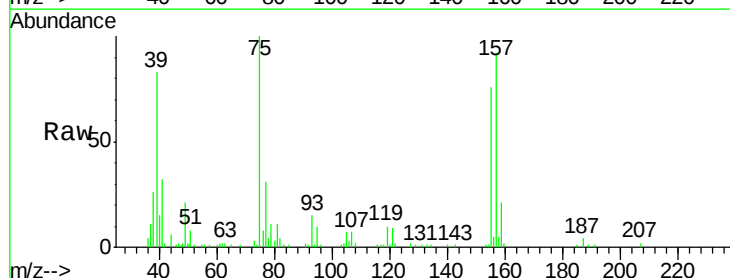
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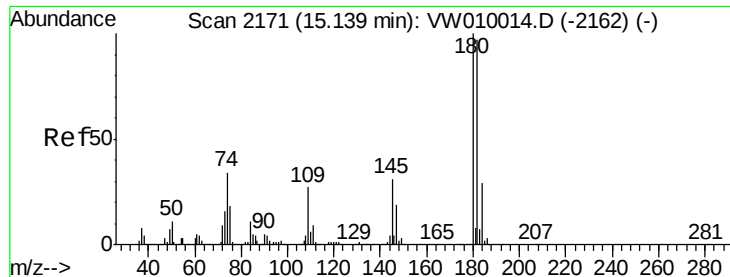
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 4/18/2019 11:39:22 AM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 21.880 ug/l
 RT: 14.49 min Scan# 2064
 Delta R.T. 0.00 min
 Lab File: VW010033.D
 Acq: 18 Apr 2019 02:14

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	14296		
155	77.0	37.1	111.5	
157	98.2	47.3	141.9	





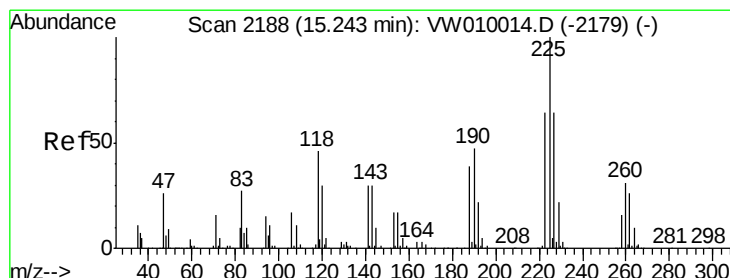
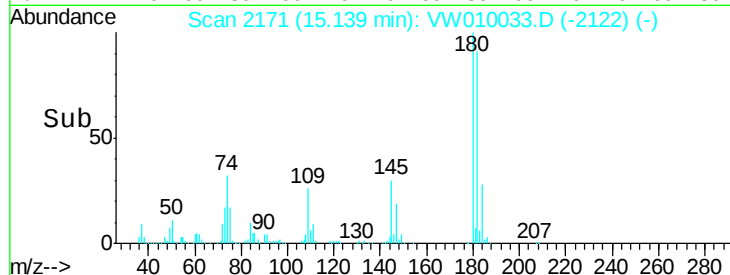
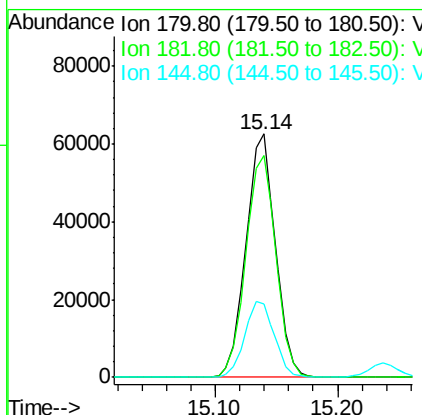
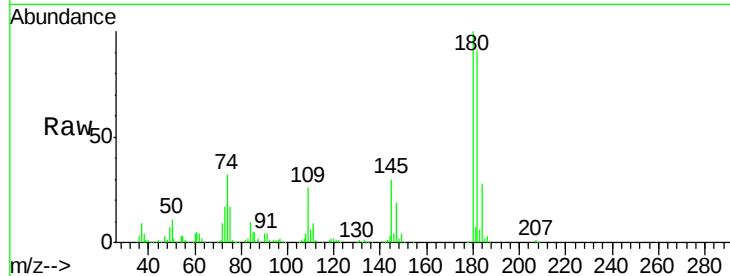
#93
 1,2,4-Trichlorobenzene
 Concen: 20.623 ug/l
 RT: 15.14 min Scan# 2171
 Delta R.T. 0.00 min
 Lab File: VW010033.D
 Acq: 18 Apr 2019 02:14

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0417SBS02

Tot Ion	Ratio	Resp	Lower	Upper
180	100	104810		
182	92.9	47.1	141.4	
145	31.5	15.2	45.6	

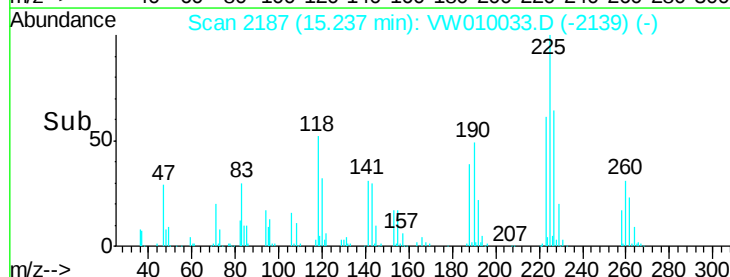
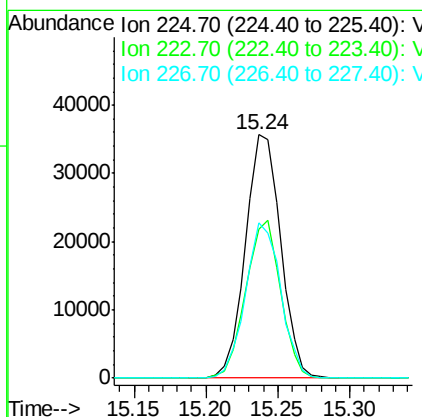
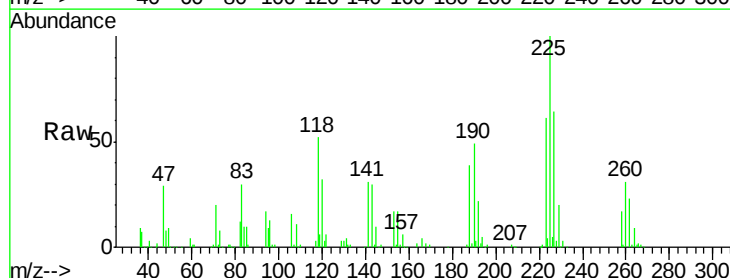
Manual Integrations
 APPROVED

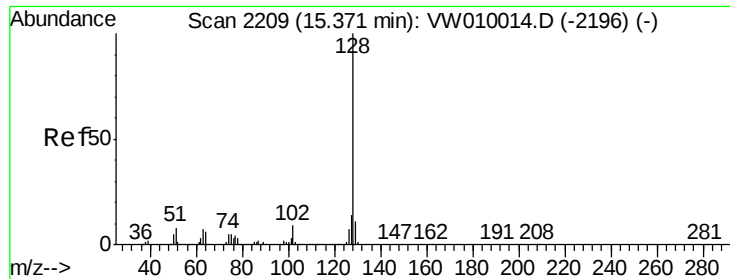
MMDadoda
 4/18/2019 11:39:22 AM



#94
 Hexachlorobutadiene
 Concen: 19.562 ug/l
 RT: 15.24 min Scan# 2187
 Delta R.T. -0.01 min
 Lab File: VW010033.D
 Acq: 18 Apr 2019 02:14

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	60371		
223	63.9	31.9	95.5	
227	63.8	31.8	95.3	





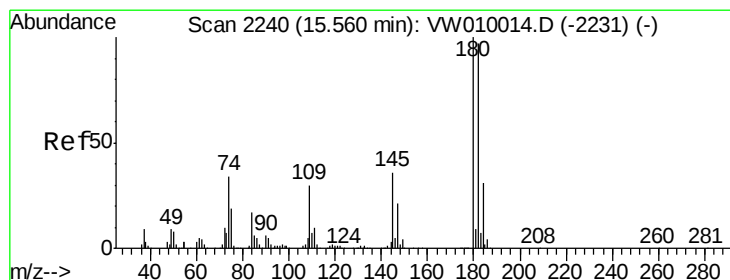
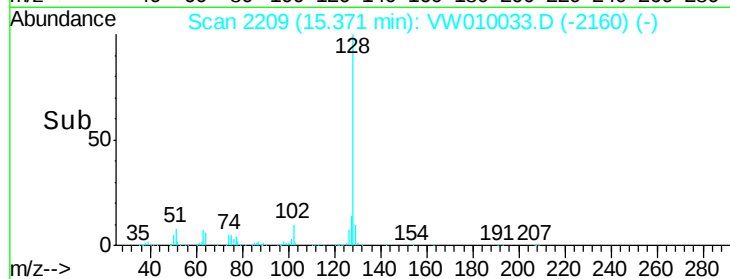
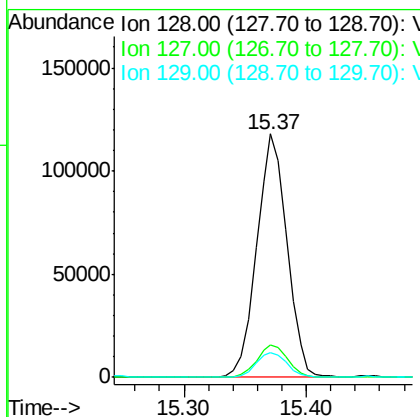
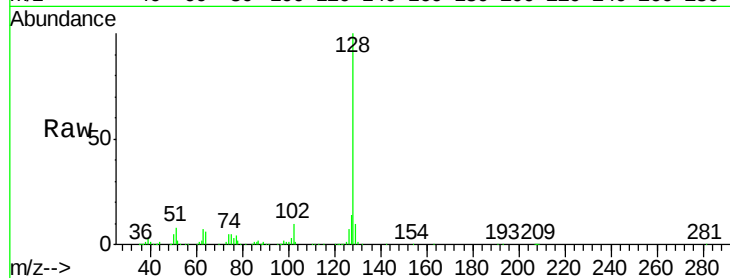
#95
Naphthalene
Concen: 21.680 ug/l
RT: 15.37 min Scan# 2209
Delta R.T. 0.00 min
Lab File: VW010033.D
Acq: 18 Apr 2019 02:14

Instrument :
MSVOA_W
ClientSampleId :
VW0417SBSD02

Tot Ion	Ratio	Resp	Lower	Upper
128	100	202820		
127	13.6	10.6	15.8	
129	10.6	8.7	13.1	

Manual Integrations
APPROVED

MMDadoda
4/18/2019 11:39:22 AM



#96
1,2,3-Trichlorobenzene
Concen: 21.386 ug/l
RT: 15.56 min Scan# 2240
Delta R.T. 0.00 min
Lab File: VW010033.D
Acq: 18 Apr 2019 02:14

Tgt Ion	Ratio	Resp	Lower	Upper
180	100	94299		
182	96.5	47.8	143.3	
145	33.0	16.4	49.2	

