

Data Path : W:\HPCHEM1\MSVOA W\DATA\VW012418\
 Data File : VW000965.D
 Acq On : 24 Jan 2018 23:10
 Operator : JC/SY
 Sample : VW0124SBS02
 Misc : 5.0G/5.0ML/MSVOA W/SOIL
 ALS Vial : 28 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0124SBS02

Manual Integrations
 APPROVED

MMDadoda
 1/25/2018 1:34:01 PM

Quant Time: Jan 25 06:19:07 2018
 Quant Method : W:\HPCHEM1\MSVOA_W\METHOD\82W012318S.M
 Quant Title : SW846 8260
 QLast Update : Tue Jan 23 13:31:00 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	243054	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.85	114	332589	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.64	117	301297	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.57	152	159791	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.31	65	109837	47.15	ug/l	0.00
Spiked Amount	50.000		Recovery	=	94.30%	
35) Dibromofluoromethane	7.88	113	94667	46.46	ug/l	0.00
Spiked Amount	50.000		Recovery	=	92.92%	
50) Toluene-d8	10.33	98	401161	49.94	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.88%	
62) 4-Bromofluorobenzene	12.63	95	141729	48.45	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.90%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.00	85	47266	20.17	ug/l	97
3) Chloromethane	2.22	50	41944	20.25	ug/l	99
4) Vinyl Chloride	2.36	62	38016	19.73	ug/l	98
5) Bromomethane	2.73	94	26516	18.72	ug/l	97
6) Chloroethane	2.90	64	20100	18.78	ug/l	94
7) Trichlorofluoromethane	3.25	101	71465	20.15	ug/l	100
8) Diethyl Ether	3.68	74	16335	18.38	ug/l	95
9) 1,1,2-Trichlorotrifluoroet	4.04	101	51384	22.42	ug/l	99
10) Methyl Iodide	4.26	142	38502	19.17	ug/l	98
11) Tert butyl alcohol	5.19	59	25110m	99.39	ug/l	
12) 1,1-Dichloroethene	4.03	96	41721	21.18	ug/l	96
13) Acrolein	3.90	56	21753	88.19	ug/l	98
14) Allyl chloride	4.66	41	59331	19.33	ug/l	99
15) Acrylonitrile	5.37	53	74763	107.72	ug/l	99
16) Acetone	4.13	43	80489	92.50	ug/l	96
17) Carbon Disulfide	4.36	76	127563	19.61	ug/l	99
18) Methyl Acetate	4.67	43	36091	21.06	ug/l	100
19) Methyl tert-butyl Ether	5.43	73	102428	20.24	ug/l	100
20) Methylene Chloride	4.91	84	46069	20.16	ug/l	97
21) trans-1,2-Dichloroethene	5.42	96	45185	19.74	ug/l	93
22) Diisopropyl ether	6.31	45	113186	20.60	ug/l	93
23) Vinyl Acetate	6.26	43	295158	86.45	ug/l	97
24) 1,1-Dichloroethane	6.21	63	75410	20.50	ug/l	100
25) 2-Butanone	7.18	43	107124	103.94	ug/l	99
26) 2,2-Dichloropropane	7.17	77	73556	19.76	ug/l	97
27) cis-1,2-Dichloroethene	7.17	96	47647	20.15	ug/l	97
28) Bromochloromethane	7.51	49	30182	19.54	ug/l	99
29) Tetrahydrofuran	7.53	42	62926	110.97	ug/l	100
30) Chloroform	7.68	83	79354	20.00	ug/l	99
31) Cyclohexane	7.95	56	78521	20.68	ug/l	98
32) 1,1,1-Trichloroethane	7.87	97	78488	20.47	ug/l	100
36) 1,1-Dichloropropene	8.08	75	67366	21.23	ug/l	99
37) Ethyl Acetate	7.26	43	40218	22.45	ug/l	100
38) Carbon Tetrachloride	8.07	117	71386	20.39	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.34	83	80143	20.97	ug/l	96
40) Benzene	8.32	78	180626	20.93	ug/l	100
41) Methacrylonitrile	7.49	41	19727	19.62	ug/l	88
42) 1,2-Dichloroethane	8.40	62	54523	20.51	ug/l	98
43) Isopropyl Acetate	8.43	43	64268	21.16	ug/l	100
44) Trichloroethene	9.09	130	53857	21.01	ug/l	96
45) 1,2-Dichloropropane	9.37	63	41799	20.76	ug/l	100
46) Dibromomethane	9.46	93	26445	20.56	ug/l	98
47) Bromodichloromethane	9.65	83	57768	20.31	ug/l #	99
48) Methyl methacrylate	9.45	41	30162	20.68	ug/l	98
49) 1,4-Dioxane	9.45	88	13288	472.68	ug/l	94
51) 4-Methyl-2-Pentanone	10.22	43	190132	108.81	ug/l	100
52) Toluene	10.40	92	113496	20.82	ug/l	100
53) t-1,3-Dichloropropene	10.62	75	56763	19.70	ug/l	99
54) cis-1,3-Dichloropropene	10.08	75	62757	19.80	ug/l	99
55) 1,1,2-Trichloroethane	10.80	97	37379	20.81	ug/l	98
56) Ethyl methacrylate	10.66	69	44059	20.34	ug/l	97
57) 1,3-Dichloropropane	10.95	76	62085	21.17	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.93	63	94847	87.99	ug/l	97
59) 2-Hexanone	10.98	43	144751	103.38	ug/l	98
60) Dibromochloromethane	11.13	129	43589	20.09	ug/l	100
61) 1,2-Dibromoethane	11.24	107	38311	20.47	ug/l	98
64) Tetrachloroethene	10.87	164	59614	23.84	ug/l	99
65) Chlorobenzene	11.67	112	126692	20.50	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.74	131	45505	20.50	ug/l	100
67) Ethyl Benzene	11.74	91	218242	20.90	ug/l	100
68) m/p-Xylenes	11.85	106	170388	41.98	ug/l	99
69) o-Xylene	12.18	106	76491	20.55	ug/l	99
70) Styrene	12.20	104	127398	21.00	ug/l	99
71) Bromoform	12.36	173	30224	20.07	ug/l #	99
73) Isopropylbenzene	12.48	105	226526	21.94	ug/l	99
74) N-amyl acetate	12.29	43	54030	21.55	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.73	83	48429	21.95	ug/l	99
76) 1,2,3-Trichloropropane	12.78	75	39697m	21.47	ug/l	
77) Bromobenzene	12.76	156	54921	20.91	ug/l	99
78) n-propylbenzene	12.82	91	271444	21.79	ug/l	99
79) 2-Chlorotoluene	12.91	91	150510	21.42	ug/l	100
80) 1,3,5-Trimethylbenzene	12.96	105	189177	21.54	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.52	75	12275	19.67	ug/l	97
82) 4-Chlorotoluene	13.01	91	158228	21.19	ug/l	99
83) tert-Butylbenzene	13.23	119	164863	21.42	ug/l	99
84) 1,2,4-Trimethylbenzene	13.27	105	191534	21.56	ug/l	100
85) sec-Butylbenzene	13.40	105	244220	21.99	ug/l	99
86) p-Isopropyltoluene	13.52	119	211962	21.52	ug/l	99
87) 1,3-Dichlorobenzene	13.52	146	109390	20.99	ug/l	98
88) 1,4-Dichlorobenzene	13.60	146	109747	21.06	ug/l	99
89) n-Butylbenzene	13.84	91	197308	21.32	ug/l	99
90) Hexachloroethane	14.12	117	39252	21.44	ug/l	98
91) 1,2-Dichlorobenzene	13.89	146	101212	21.57	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.51	75	10427	21.41	ug/l	98

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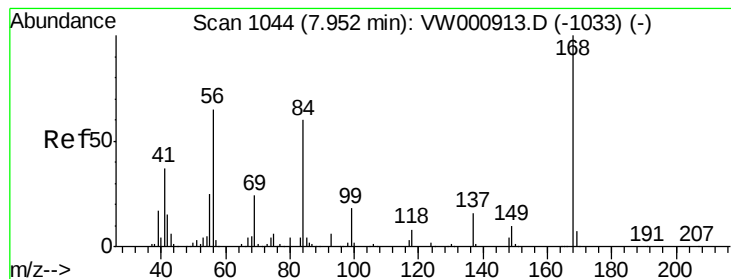
Manual Integrations
APPROVED

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.16	180	72457	20.71	ug/l	100
94) Hexachlorobutadiene	15.26	225	49563	22.35	ug/l	99
95) Naphthalene	15.40	128	158139	21.42	ug/l	100
96) 1,2,3-Trichlorobenzene	15.58	180	68676	21.34	ug/l	100

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



#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 7.95 min Scan# 1044

Delta R.T. 0.00 min

Lab File: VW000965.D

Acq: 24 Jan 2018 23:10

Instrument :

MSVOA_W

ClientSampleId :

VW0124SBS02

Tot Ion:168 Resp: 243054

Ion Ratio Lower Upper

168 100

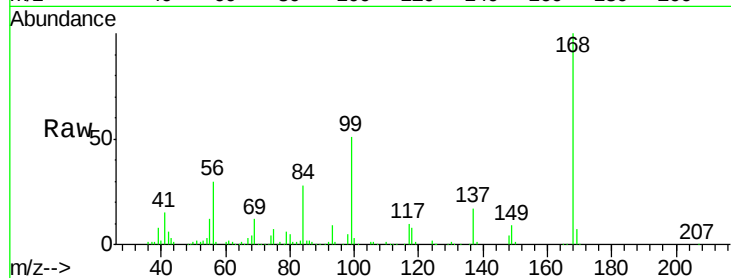
99 51.4 40.6 61.0

Manual Integrations

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW

7.95

120000

100000

80000

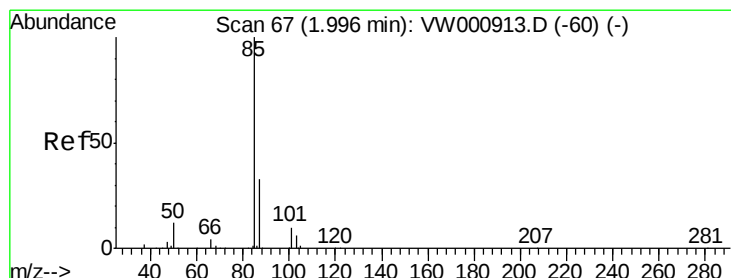
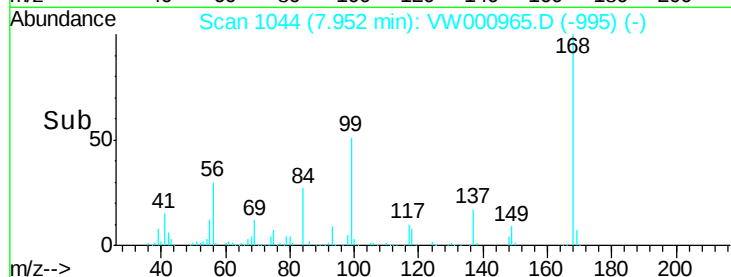
60000

40000

20000

0

Time--> 7.80 7.90 8.00 8.10



#2

Dichlorodifluoromethane

Concen: 20.17 ug/l

RT: 2.00 min Scan# 67

Delta R.T. 0.00 min

Lab File: VW000965.D

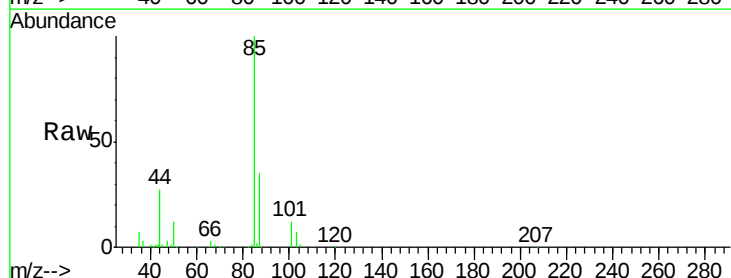
Acq: 24 Jan 2018 23:10

Tgt Ion: 85 Resp: 47266

Ion Ratio Lower Upper

85 100

87 35.0 16.6 49.8



Abundance Ion 84.90 (84.60 to 85.60): VW

Ion 86.90 (86.60 to 87.60): VW

2.00

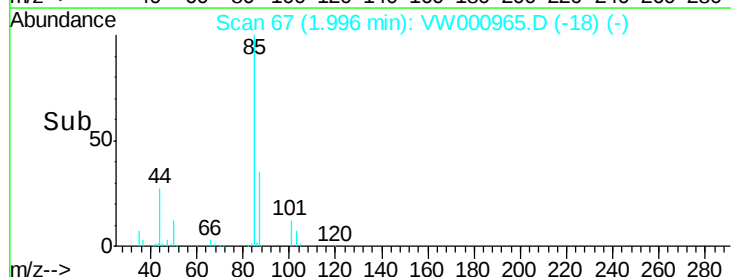
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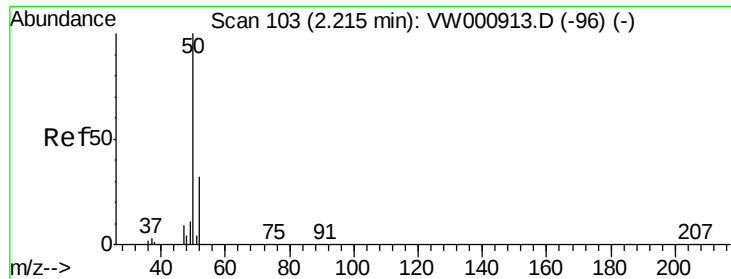
20000

10000

0

Time--> 1.90 1.95 2.00 2.05 2.10





#3

Chloromethane

Concen: 20.25 ug/l

RT: 2.22 min Scan# 104

Delta R.T. 0.01 min

Lab File: VW000965.D

Acq: 24 Jan 2018 23:10

Instrument :

MSVOA_W

ClientSampleId :

VW0124SBS02

Tot Ion: 50 Resp: 41944

Ion Ratio Lower Upper

50 100

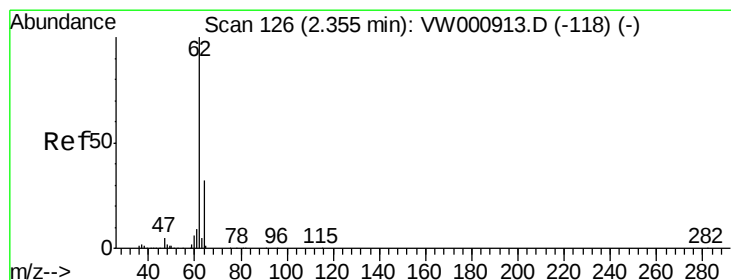
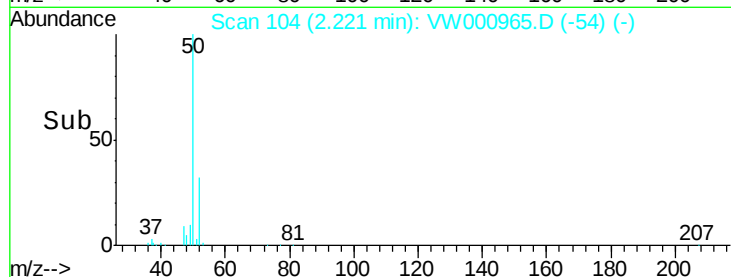
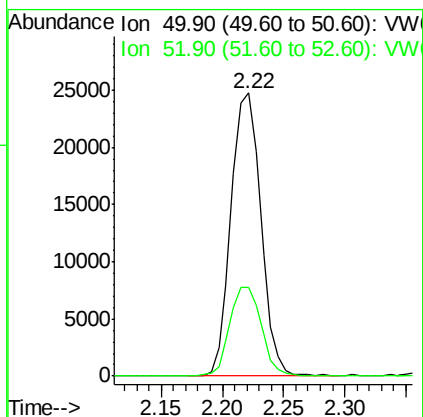
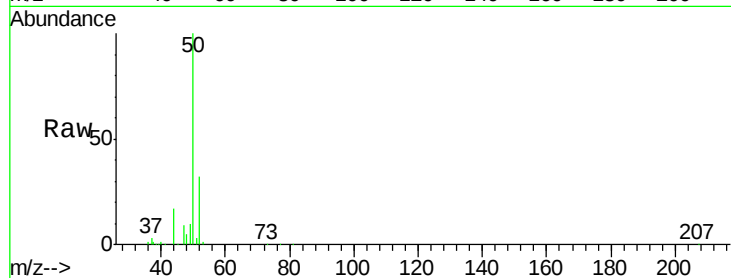
52 31.5 25.5 38.3

Manual Integrations

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1/25/2018 1:34:01 PM



#4

Vinyl Chloride

Concen: 19.73 ug/l

RT: 2.36 min Scan# 126

Delta R.T. 0.00 min

Lab File: VW000965.D

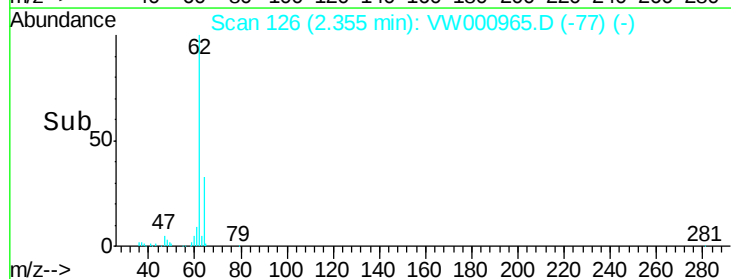
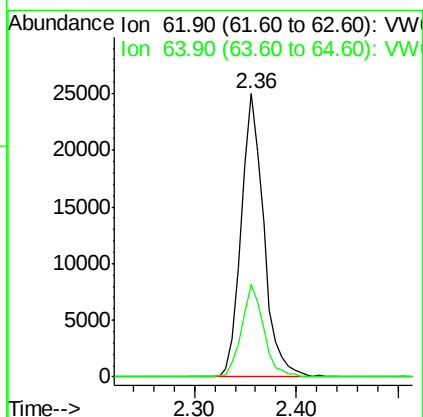
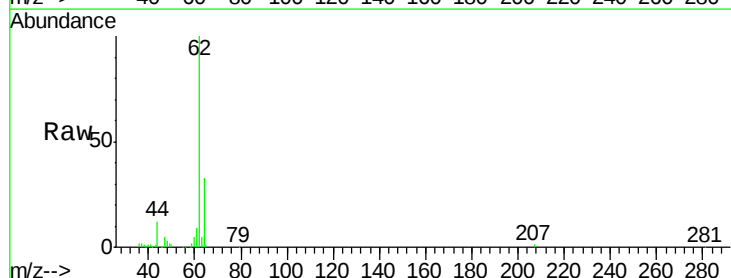
Acq: 24 Jan 2018 23:10

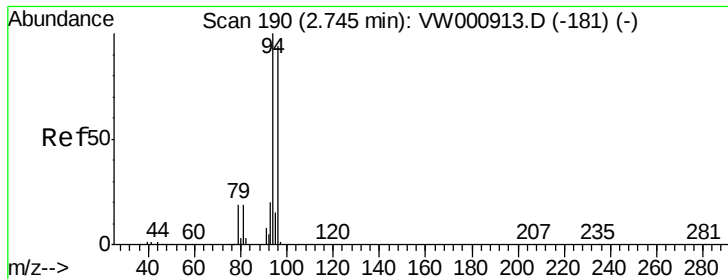
Tgt Ion: 62 Resp: 38016

Ion Ratio Lower Upper

62 100

64 32.9 25.6 38.4





#5

Bromomethane

Concen: 18.72 ug/l

RT: 2.73 min Scan# 188

Delta R.T. -0.01 min

Lab File: VW000965.D

Acq: 24 Jan 2018 23:10

Instrument :

MSVOA_W

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VW0124SBS02

Tot Ion: 94 Resp: 26516

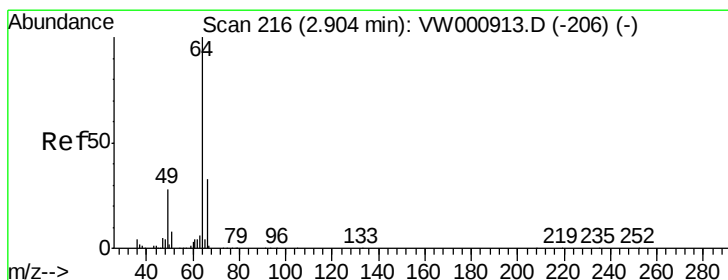
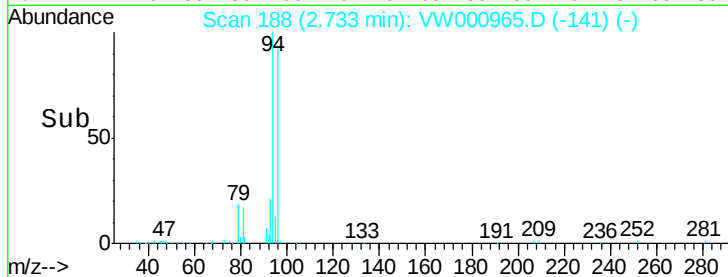
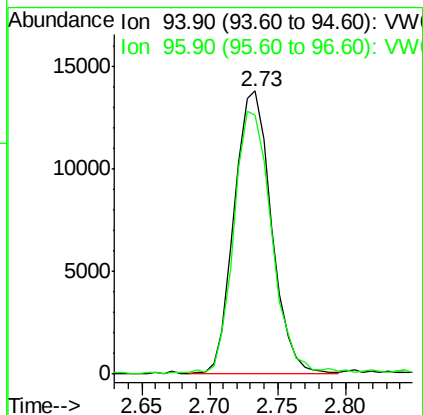
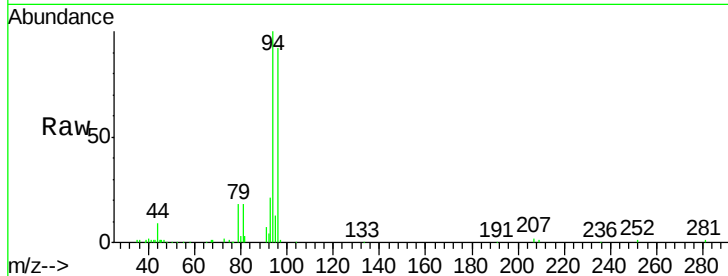
Ion Ratio Lower Upper

94 100

96 91.1 75.5 113.3

Manual Integrations
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1/25/2018 1:34:01 PM



#6

Chloroethane

Concen: 18.78 ug/l

RT: 2.90 min Scan# 215

Delta R.T. -0.01 min

Lab File: VW000965.D

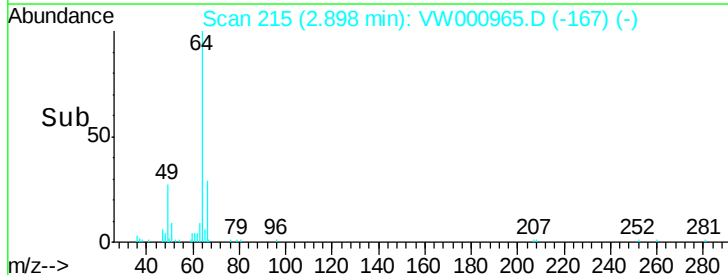
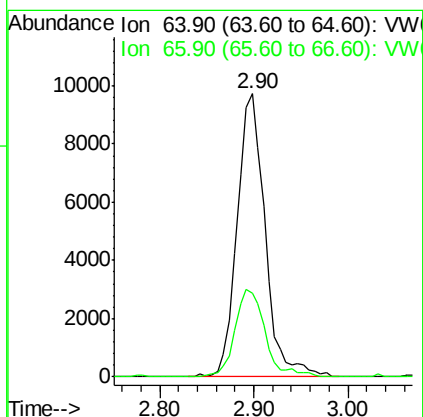
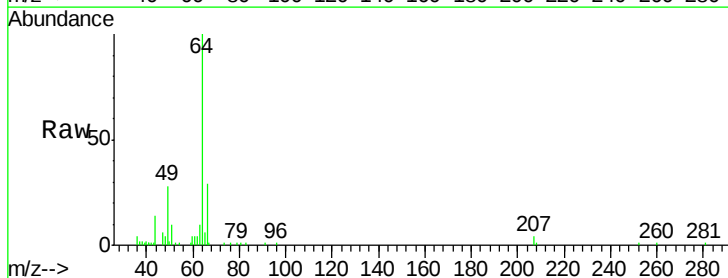
Acq: 24 Jan 2018 23:10

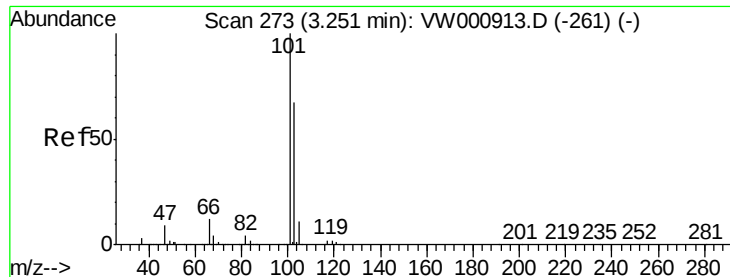
Tgt Ion: 64 Resp: 20100

Ion Ratio Lower Upper

64 100

66 29.5 26.1 39.1





#7

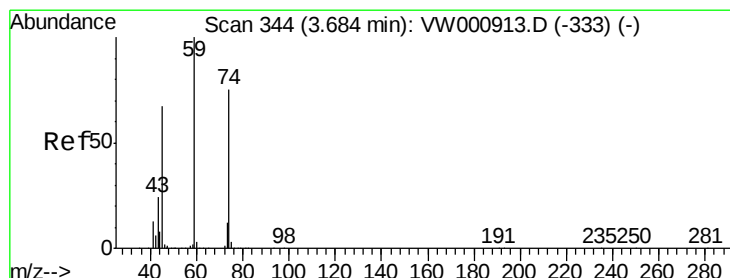
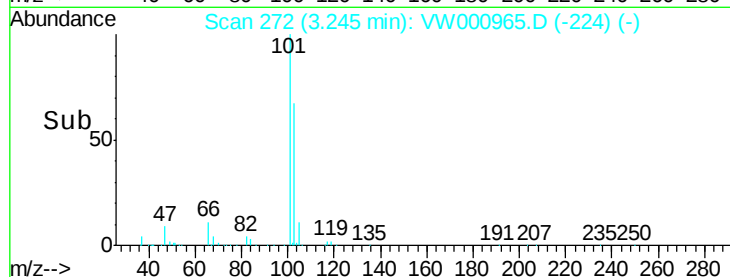
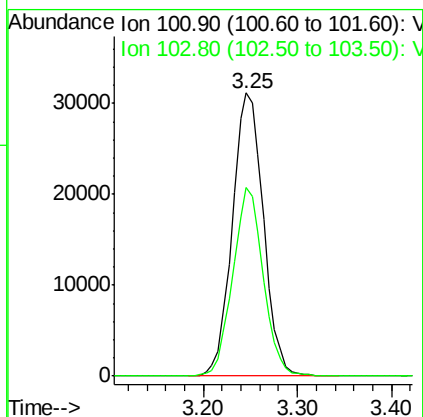
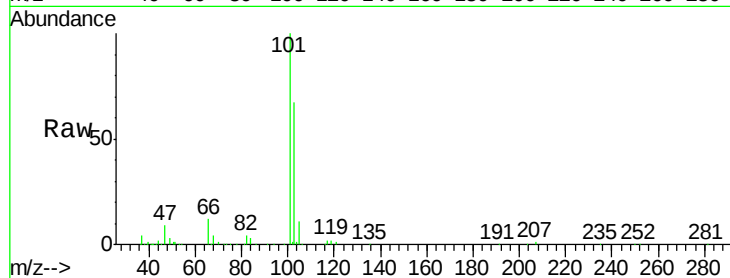
Trichlorofluoromethane
 Concen: 20.15 ug/l
 RT: 3.25 min Scan# 272
 Delta R.T. -0.01 min
 Lab File: VW000965.D
 Acq: 24 Jan 2018 23:10

Instrument :
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 ClientSampleId :
 VW0124SBS02

Tot Ion	Ratio	Lower	Upper
101	100		
103	66.6	53.4	80.0

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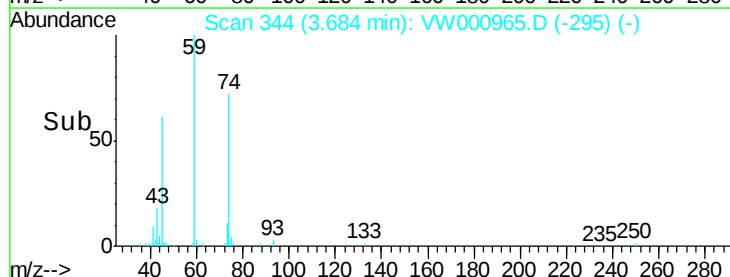
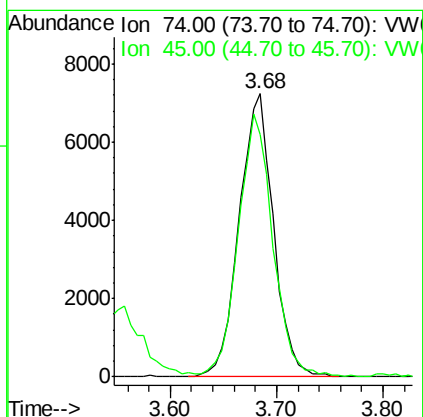
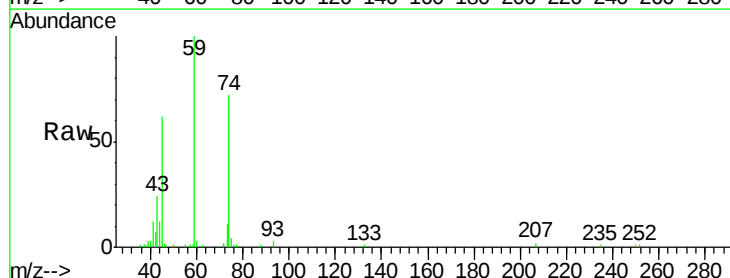
MMDadoda
 1/25/2018 1:34:01 PM

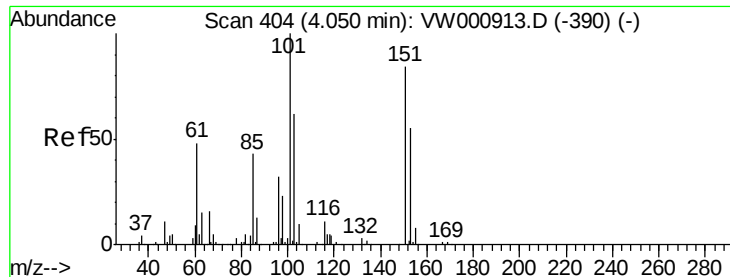


#8

Diethyl Ether
 Concen: 18.38 ug/l
 RT: 3.68 min Scan# 344
 Delta R.T. 0.00 min
 Lab File: VW000965.D
 Acq: 24 Jan 2018 23:10

Tgt Ion	Ratio	Lower	Upper
74	100		
45	94.1	44.7	134.1





#9

1,1,2-Trichlorotrifluoroethane

Concen: 22.42 ug/l

RT: 4.04 min Scan# 403

Delta R.T. -0.01 min

Lab File: VW000965.D

Acq: 24 Jan 2018 23:10

Instrument :

MSVOA_W

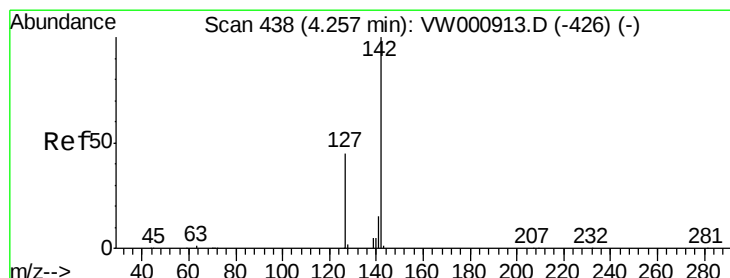
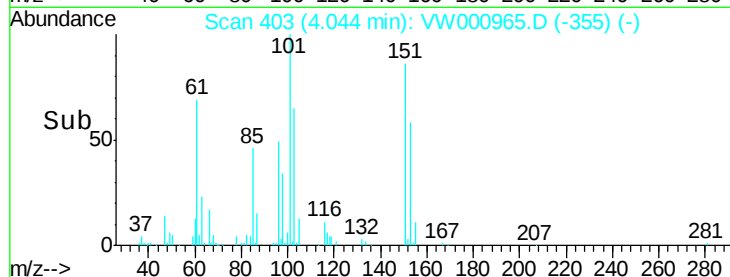
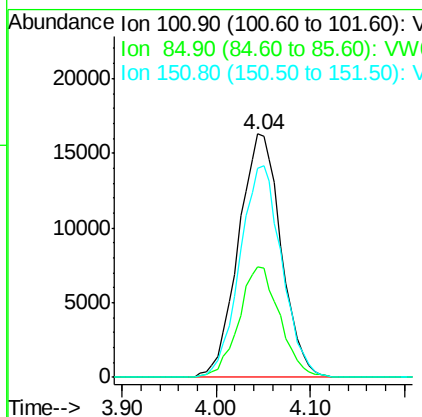
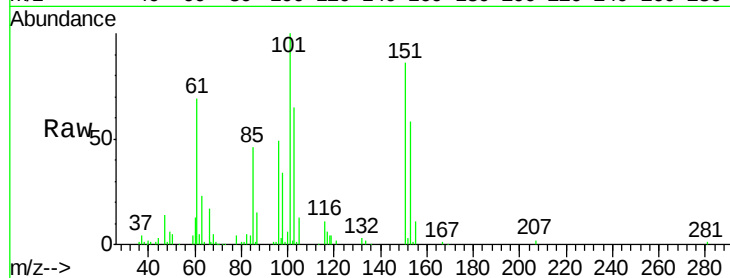
ClientSampleId :

VW0124SBS02

Tot Ion:	101	Resp:	51384
Ion Ratio	Lower	Upper	
101	100		
85	43.6	35.3	52.9
151	85.9	69.9	104.9

Manual Integrations
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1/25/2018 1:34:01 PM



#10

Methyl Iodide

Concen: 19.17 ug/l

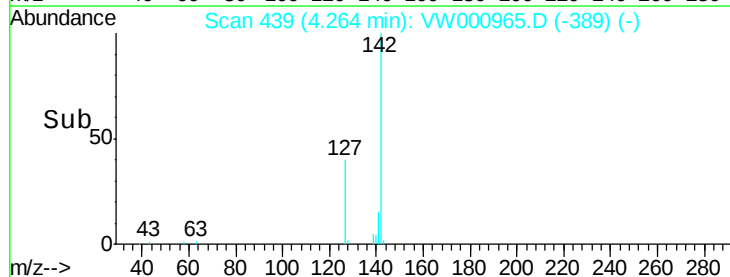
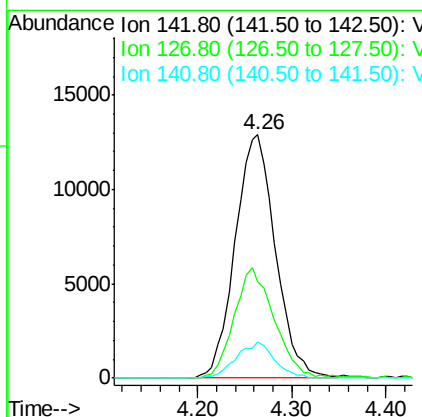
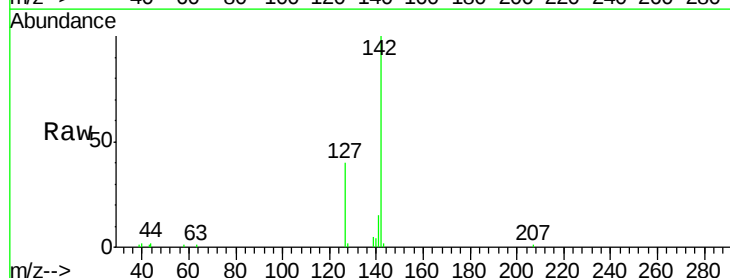
RT: 4.26 min Scan# 439

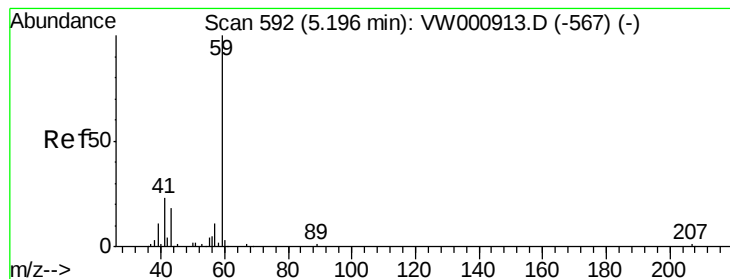
Delta R.T. 0.01 min

Lab File: VW000965.D

Acq: 24 Jan 2018 23:10

Tgt Ion:	142	Resp:	38502
Ion Ratio	Lower	Upper	
142	100		
127	45.5	35.5	53.3
141	14.1	11.7	17.5





#11

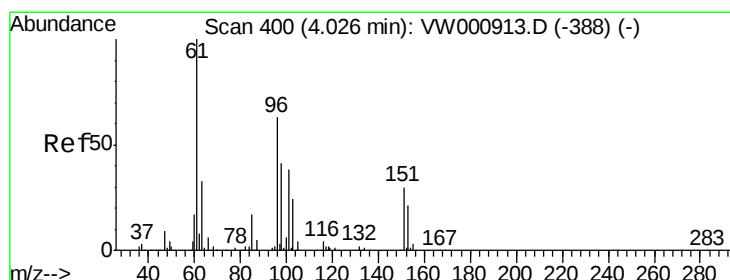
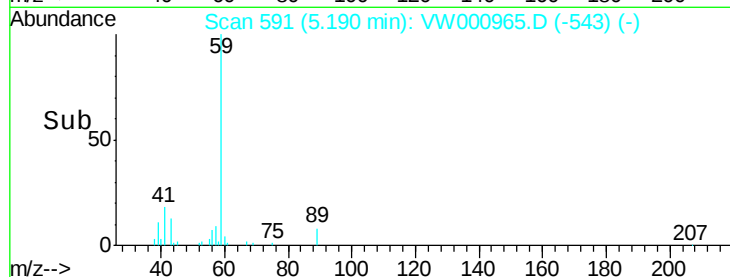
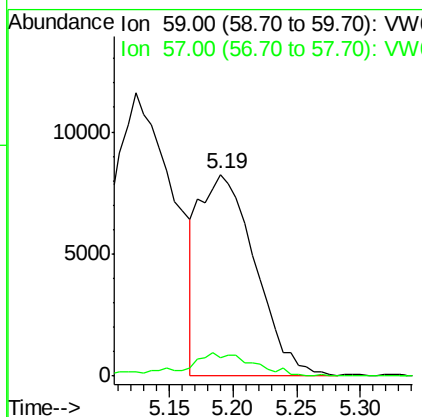
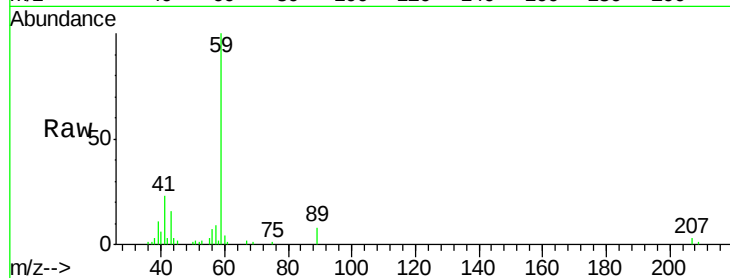
Tert butyl alcohol
Concen: 99.39 ug/l m
RT: 5.19 min Scan# 591
Delta R.T. -0.01 min
Lab File: VW000965.D
Acq: 24 Jan 2018 23:10

Instrument :
MSVOA_W
ClientSampled :
VW0124SBS02

Tot Ion	Ratio	Resp	Lower	Upper
59	100	25110		
57	0.0	7.0	10.6#	

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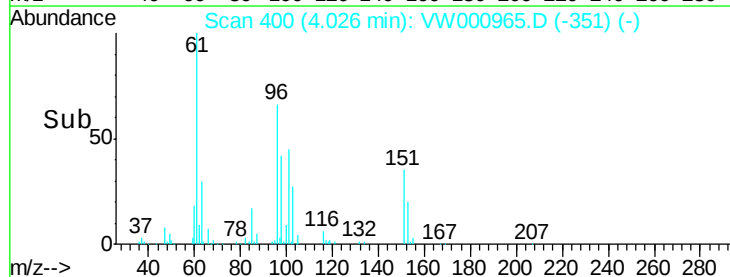
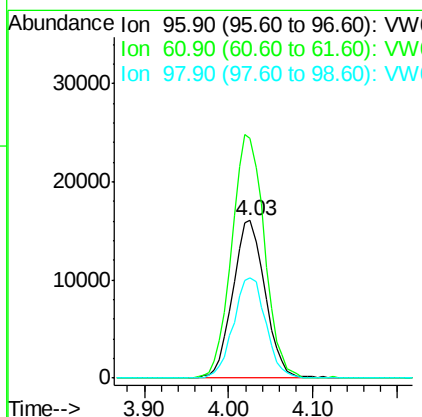
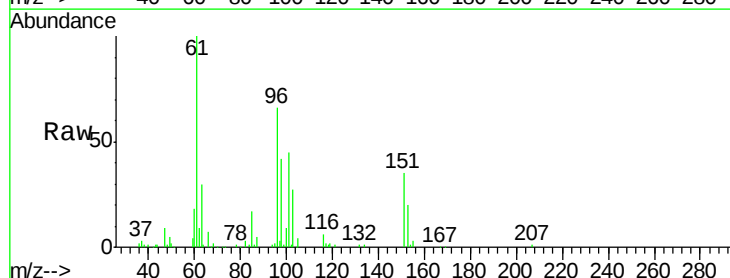
MMDadoda
1/25/2018 1:34:01 PM

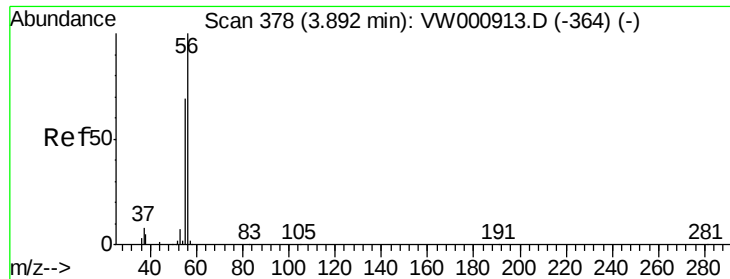


#12

1,1-Dichloroethene
Concen: 21.18 ug/l
RT: 4.03 min Scan# 400
Delta R.T. 0.00 min
Lab File: VW000965.D
Acq: 24 Jan 2018 23:10

Tgt Ion	Ratio	Resp	Lower	Upper
96	100	41721		
61	151.8	126.7	190.1	
98	63.3	52.1	78.1	





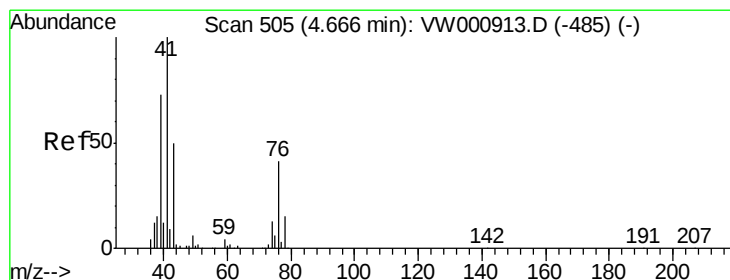
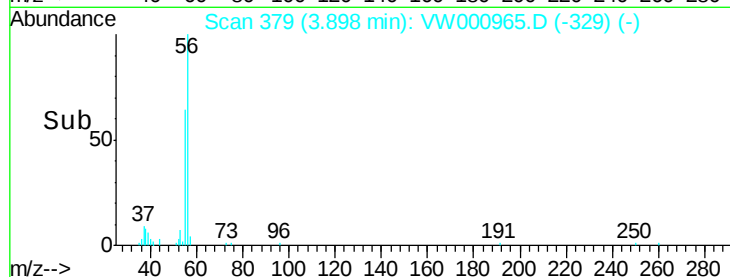
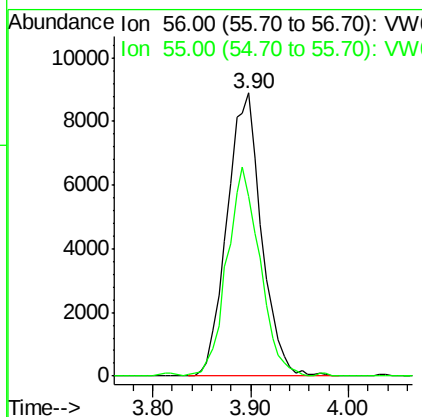
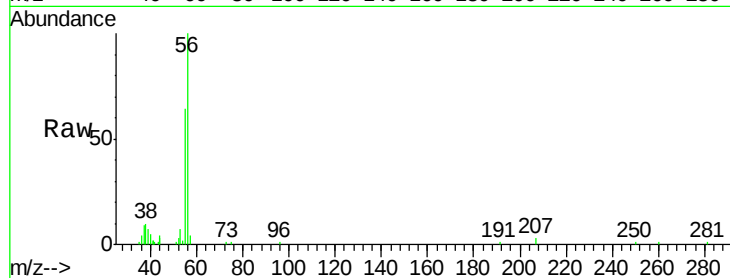
#13
Acrolein
Concen: 88.19 ug/l
RT: 3.90 min Scan# 379
Delta R.T. 0.01 min
Lab File: VW000965.D
Acq: 24 Jan 2018 23:10

Instrument :
MSVOA_W
ClientSampleId :
VW0124SBS02

Tot Ion	Ratio	Lower	Upper
56	100		
55	70.6	55.4	83.0

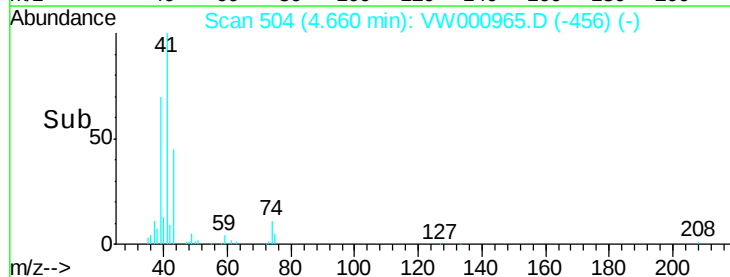
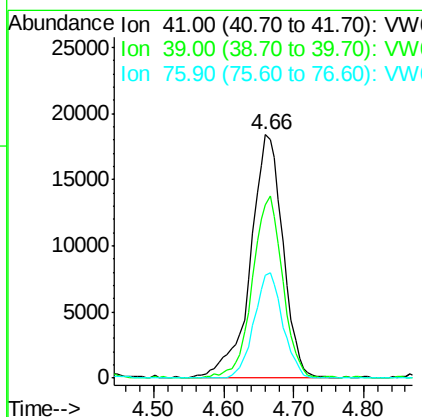
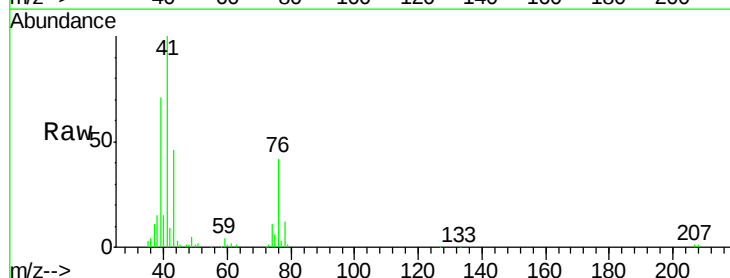
Manual Integrations
APPROVED

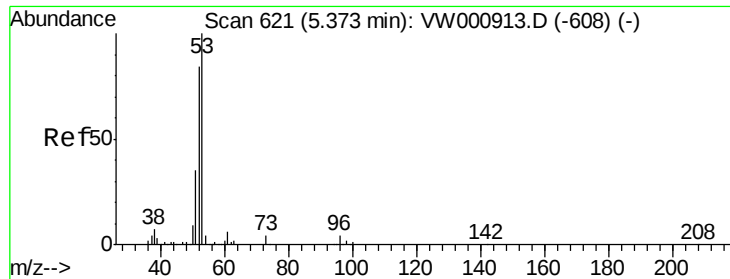
MMDadoda
1/25/2018 1:34:01 PM



#14
Allyl chloride
Concen: 19.33 ug/l
RT: 4.66 min Scan# 504
Delta R.T. -0.01 min
Lab File: VW000965.D
Acq: 24 Jan 2018 23:10

Tgt Ion	Ratio	Lower	Upper
41	100		
39	69.7	55.3	82.9
76	38.1	29.9	44.9





#15

Acrylonitrile

Concen: 107.72 ug/l

RT: 5.37 min Scan# 621

Delta R.T. 0.00 min

Lab File: VW000965.D

Acq: 24 Jan 2018 23:10

Instrument :

MSVOA_W

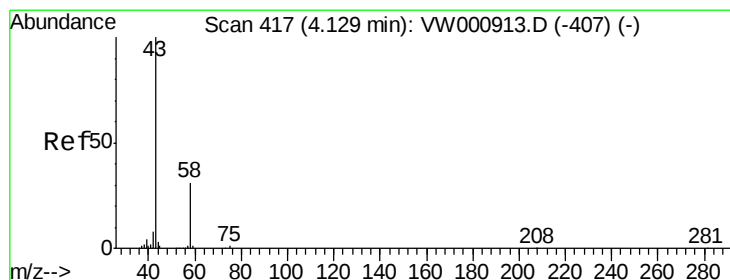
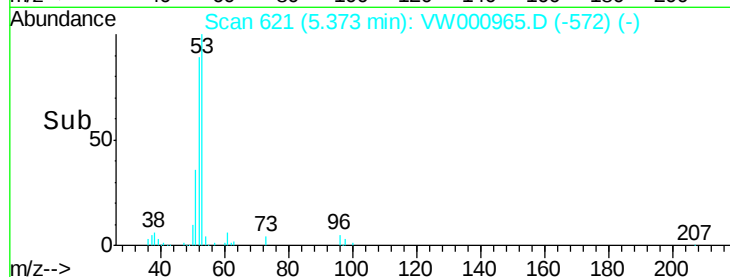
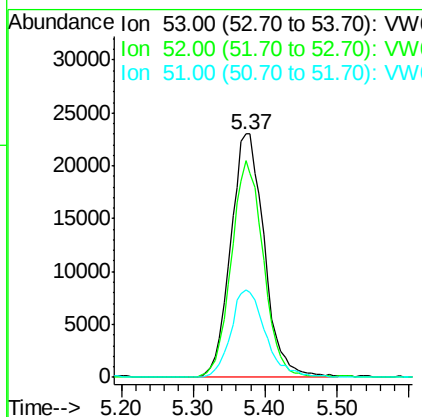
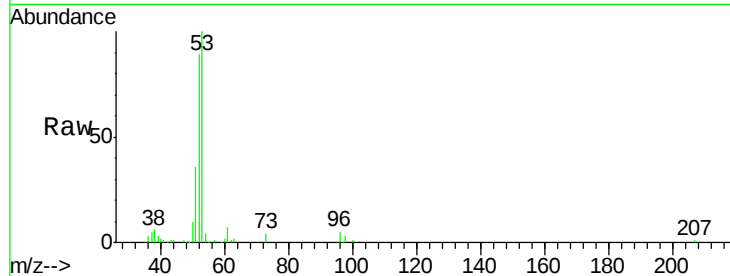
ClientSampleId :

VW0124SBS02

Tot Ion:	53	Resp:	74763
Ion	Ratio	Lower	Upper
53	100		
52	84.6	66.6	99.8
51	36.9	29.4	44.0

Manual Integrations
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1/25/2018 1:34:01 PM



#16

Acetone

Concen: 92.50 ug/l

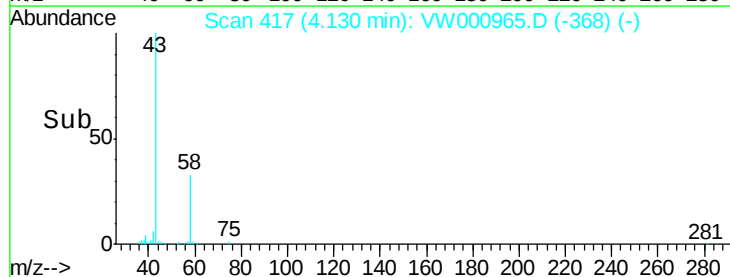
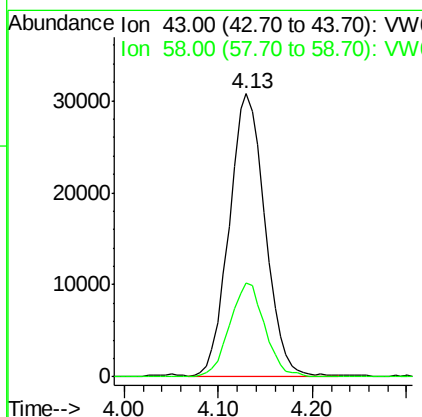
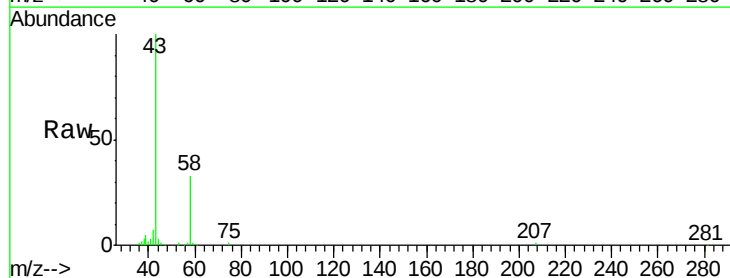
RT: 4.13 min Scan# 417

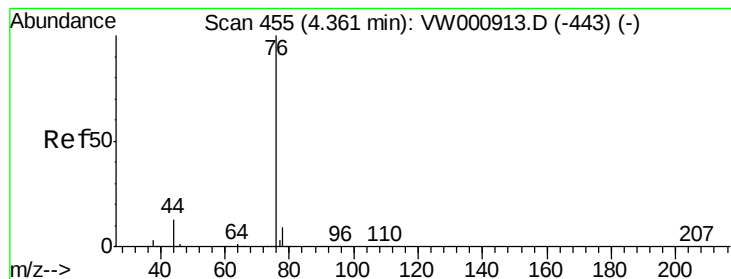
Delta R.T. 0.00 min

Lab File: VW000965.D

Acq: 24 Jan 2018 23:10

Tgt Ion:	43	Resp:	80489
Ion	Ratio	Lower	Upper
43	100		
58	33.3	24.9	37.3





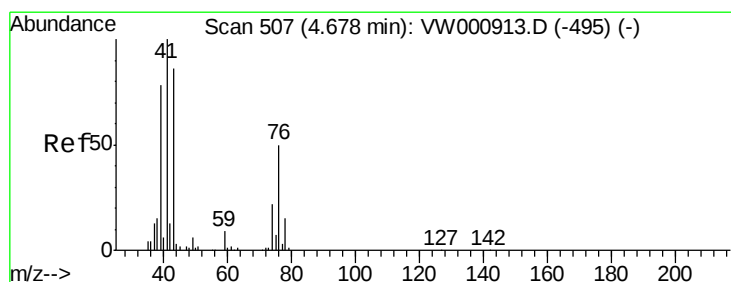
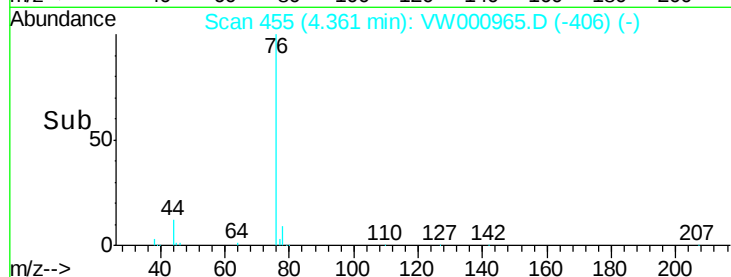
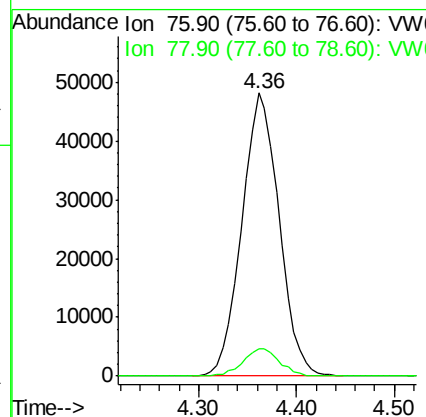
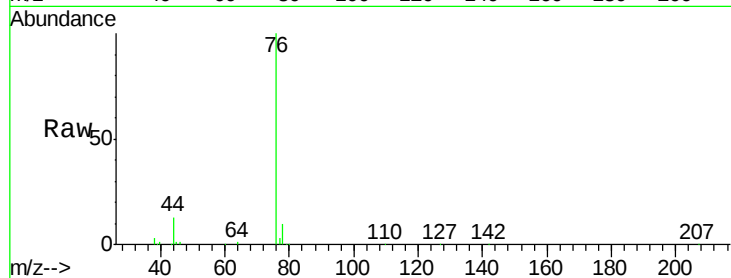
#17
Carbon Disulfide
Concen: 19.61 ug/l
RT: 4.36 min Scan# 455
Delta R.T. 0.00 min
Lab File: VW000965.D
Acq: 24 Jan 2018 23:10

Instrument :
MSVOA_W
ClientSampleId :
VW0124SBS02

Tot Ion	Ratio	Lower	Upper
76	100		
78	9.6	7.4	11.2

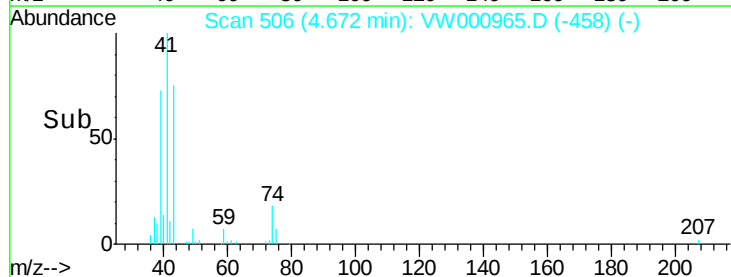
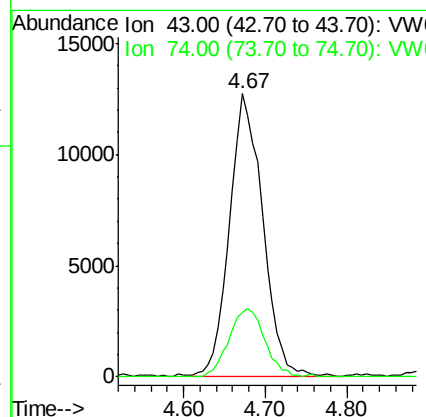
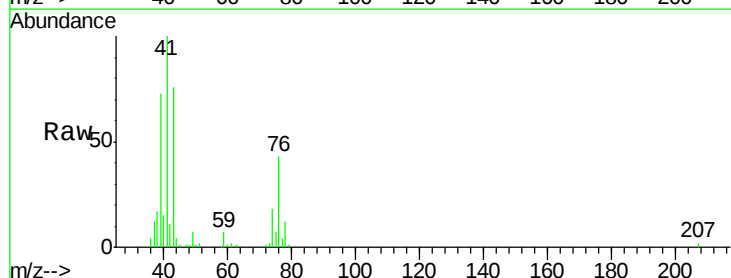
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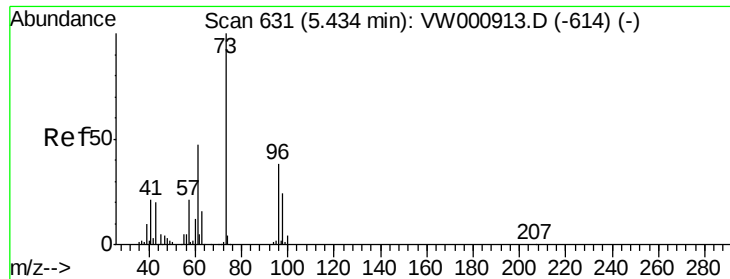
MM Dadoda
1/25/2018 1:34:01 PM



#18
Methyl Acetate
Concen: 21.06 ug/l
RT: 4.67 min Scan# 506
Delta R.T. -0.01 min
Lab File: VW000965.D
Acq: 24 Jan 2018 23:10

Tgt Ion	Ratio	Lower	Upper
43	100		
74	25.7	20.5	30.7





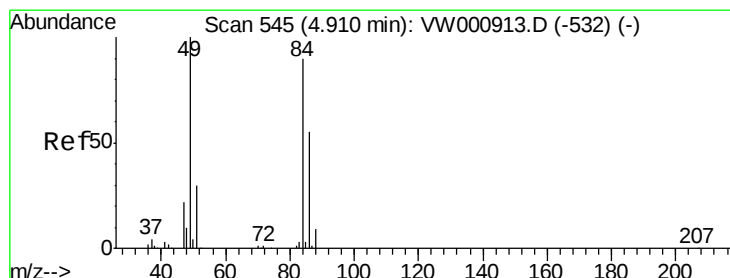
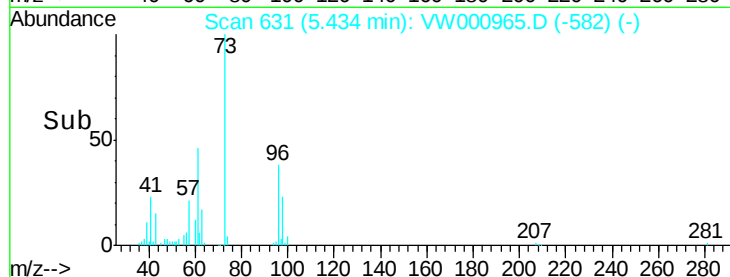
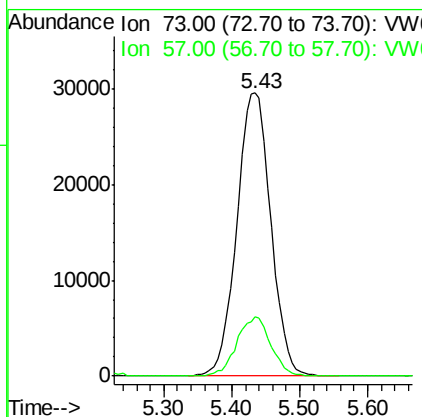
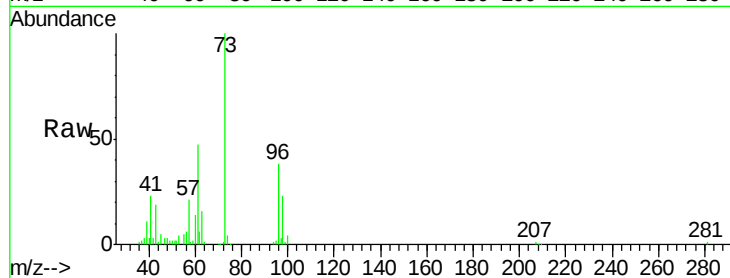
#19
Methvl tert-butvl Ether
Concen: 20.24 ug/l
RT: 5.43 min Scan# 631
Delta R.T. 0.00 min
Lab File: VW000965.D
Acq: 24 Jan 2018 23:10

Instrument :
MSVOA_W
ClientSampleId :
VW0124SBS02

Tot Ion: 73 Resp: 102428
Ion Ratio Lower Upper
73 100
57 20.8 16.7 25.1

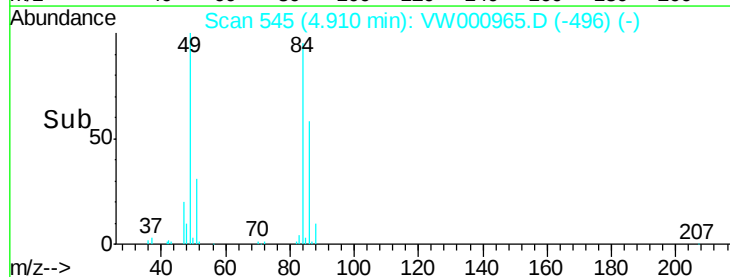
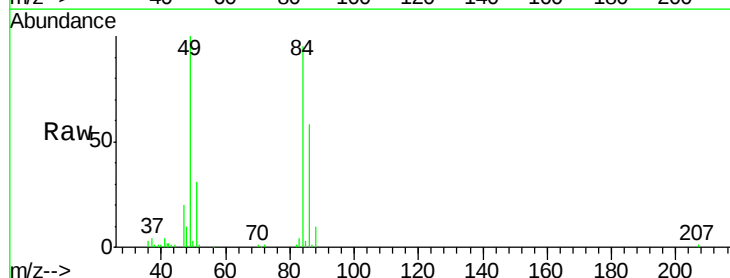
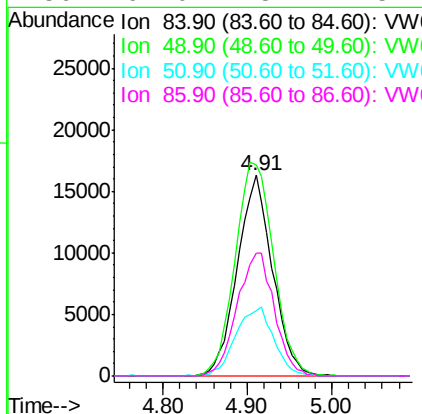
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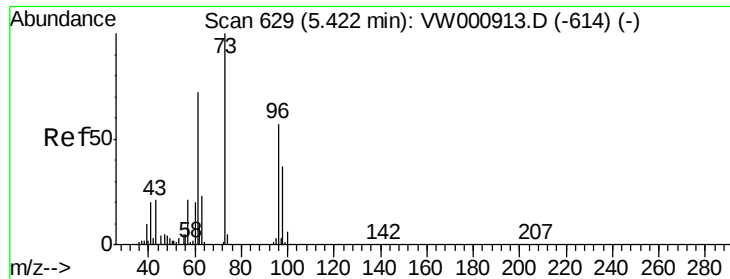
MMDadoda
1/25/2018 1:34:01 PM



#20
Methylene Chloride
Concen: 20.16 ug/l
RT: 4.91 min Scan# 545
Delta R.T. 0.00 min
Lab File: VW000965.D
Acq: 24 Jan 2018 23:10

Tgt Ion: 84 Resp: 46069
Ion Ratio Lower Upper
84 100
49 105.6 89.0 133.4
51 32.8 26.7 40.1
86 61.0 48.7 73.1





#21

trans-1,2-Dichloroethene

Concen: 19.74 ug/l

RT: 5.42 min Scan# 628

Delta R.T. -0.01 min

Lab File: VW000965.D

Acq: 24 Jan 2018 23:10

Instrument :

MSVOA_W

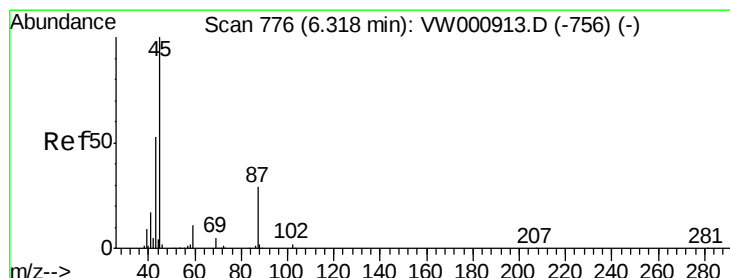
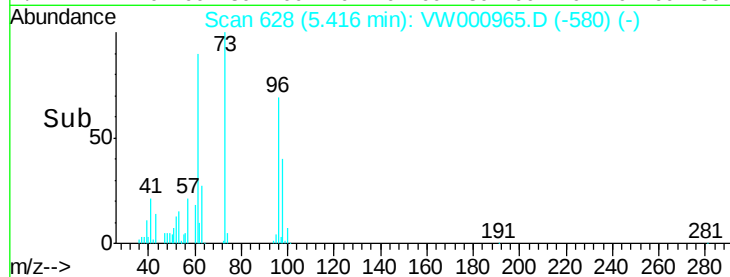
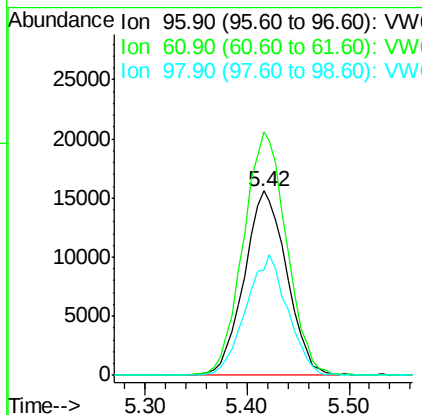
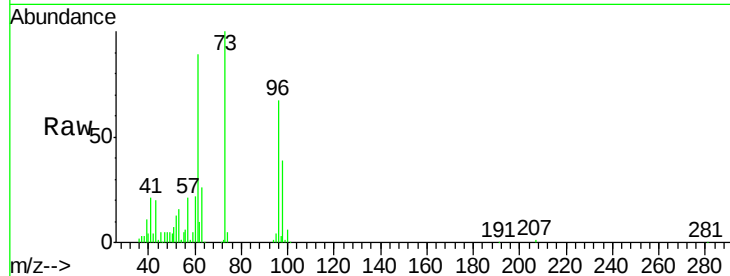
ClientSampleId :

VW0124SBS02

Tot Ion:	96	Resp:	45185
Ion	Ratio	Lower	Upper
96	100		
61	131.8	101.1	151.7
98	57.4	52.2	78.2

Manual Integrations
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#22

Diisopropyl ether

Concen: 20.60 ug/l

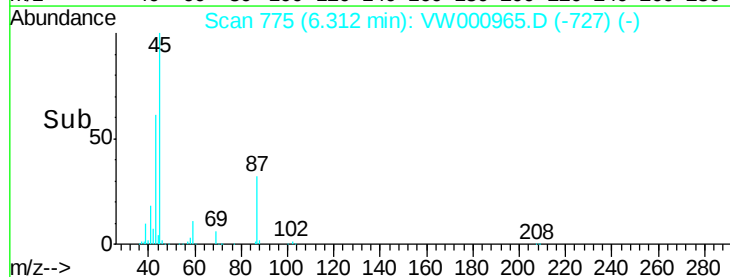
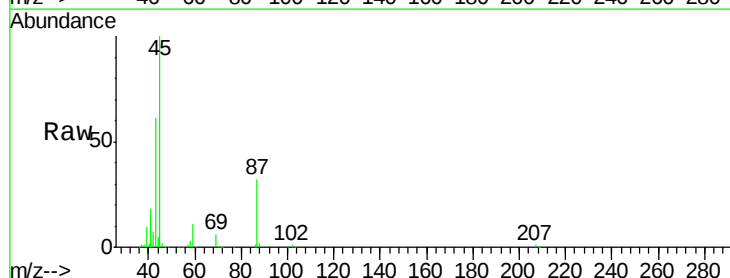
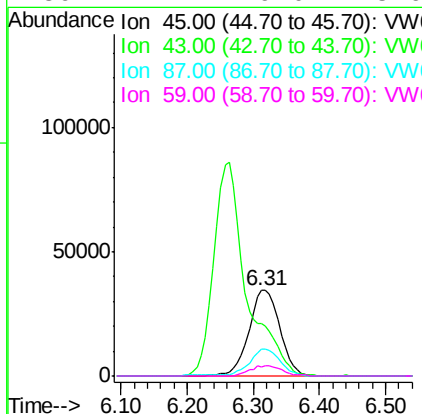
RT: 6.31 min Scan# 775

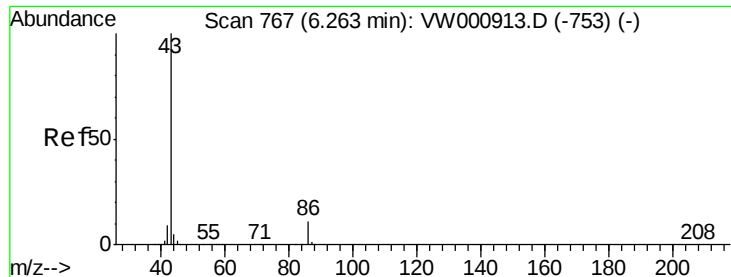
Delta R.T. -0.01 min

Lab File: VW000965.D

Acq: 24 Jan 2018 23:10

Tgt Ion:	45	Resp:	113186
Ion	Ratio	Lower	Upper
45	100		
43	60.2	42.7	64.1
87	31.8	23.8	35.8
59	11.2	9.0	13.6





#23

Vinyl Acetate

Concen: 86.45 ug/l

RT: 6.26 min Scan# 767

Delta R.T. 0.00 min

Lab File: VW000965.D

Acq: 24 Jan 2018 23:10

Instrument :

MSVOA_W

ClientSampleId :

VW0124SBS02

Tot Ion: 43 Resp: 295158

Ion Ratio Lower Upper

43 100

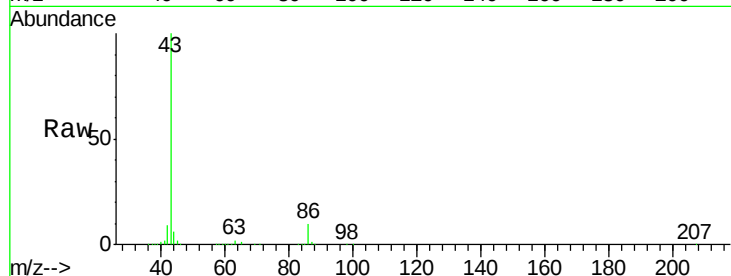
86 10.4 9.1 13.7

Manual Integrations

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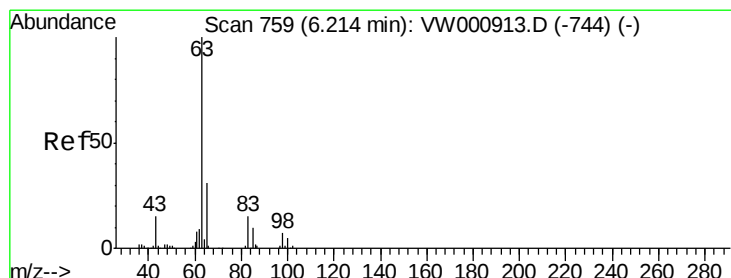
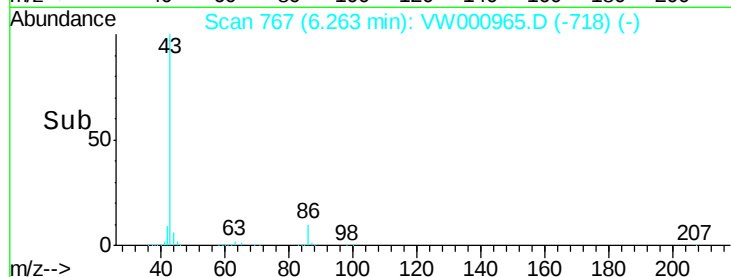
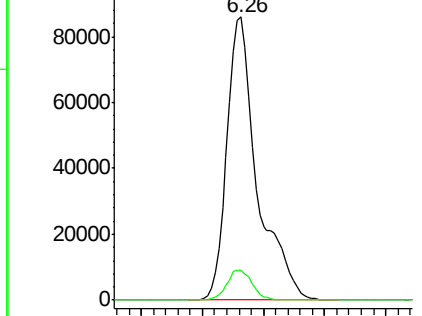
MMDadoda

1/25/2018 1:34:01 PM



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 86.00 (85.70 to 86.70): VW



#24

1,1-Dichloroethane

Concen: 20.50 ug/l

RT: 6.21 min Scan# 759

Delta R.T. 0.00 min

Lab File: VW000965.D

Acq: 24 Jan 2018 23:10

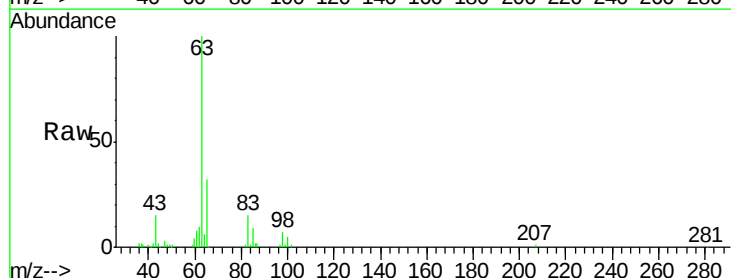
Tgt Ion: 63 Resp: 75410

Ion Ratio Lower Upper

63 100

98 7.3 3.6 10.8

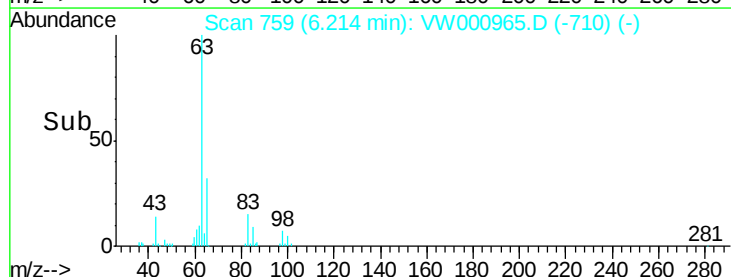
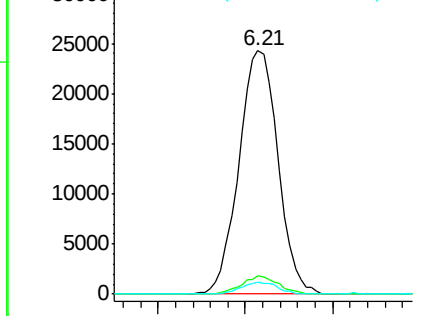
100 4.8 2.5 7.4

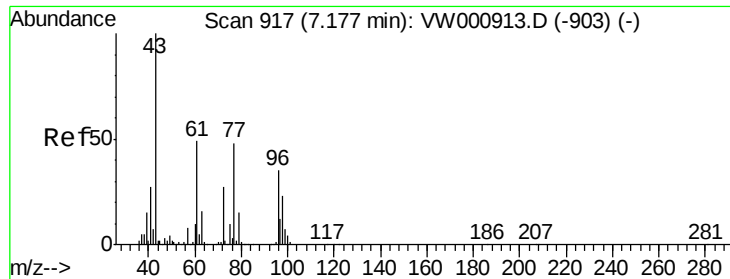


Abundance Ion 62.90 (62.60 to 63.60): VW

Ion 97.90 (97.60 to 98.60): VW

Ion 99.90 (99.60 to 100.60): VW





#25

2-Butanone

Concen: 103.94 ug/l

RT: 7.18 min Scan# 917

Delta R.T. 0.00 min

Lab File: VW000965.D

Acq: 24 Jan 2018 23:10

Instrument :

MSVOA_W

ClientSampleId :

VW0124SBS02

Tot Ion: 43 Resp: 107124

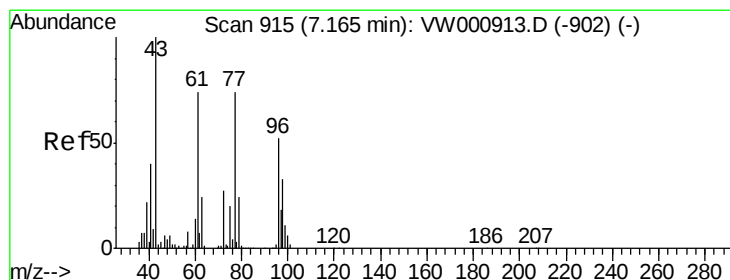
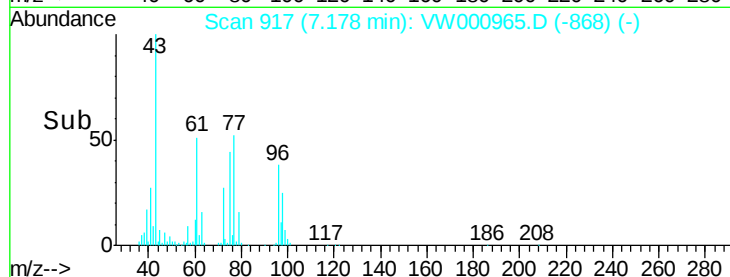
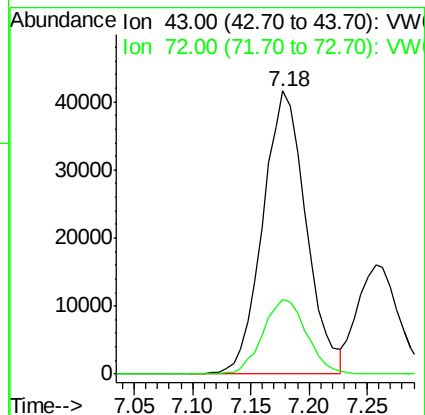
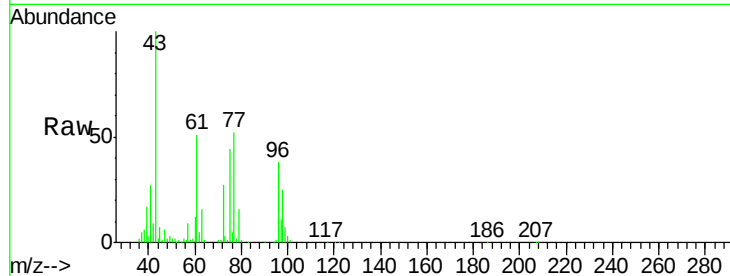
Ion Ratio Lower Upper

43 100

72 26.6 21.5 32.3

Manual Integrations
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1/25/2018 1:34:01 PM



#26

2,2-Dichloropropane

Concen: 19.76 ug/l

RT: 7.17 min Scan# 916

Delta R.T. 0.01 min

Lab File: VW000965.D

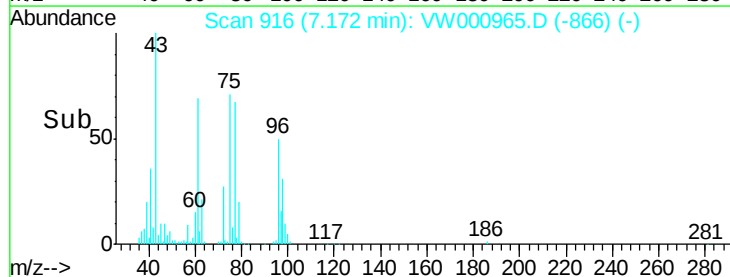
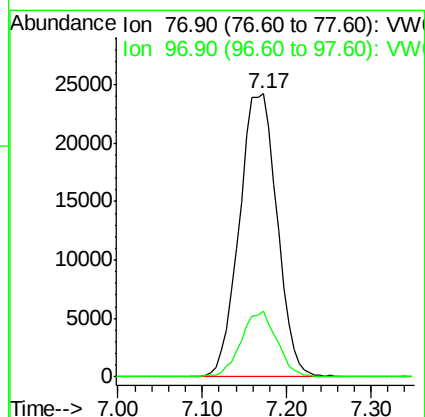
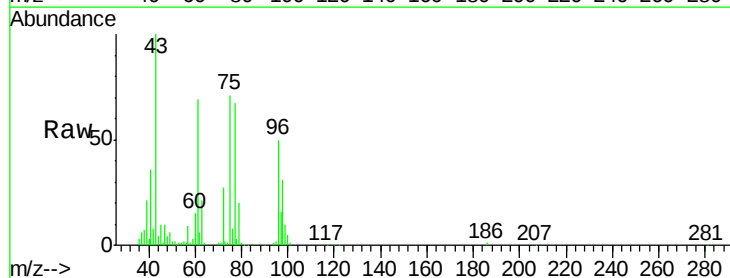
Acq: 24 Jan 2018 23:10

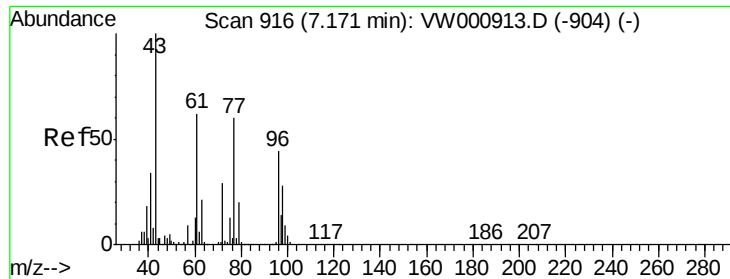
Tgt Ion: 77 Resp: 73556

Ion Ratio Lower Upper

77 100

97 21.9 11.8 35.3





#27

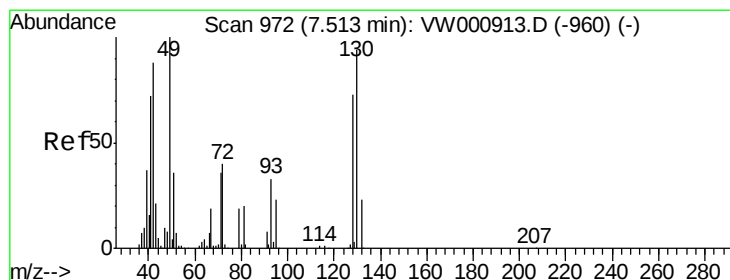
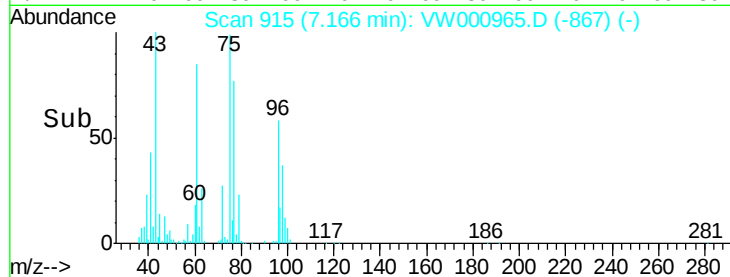
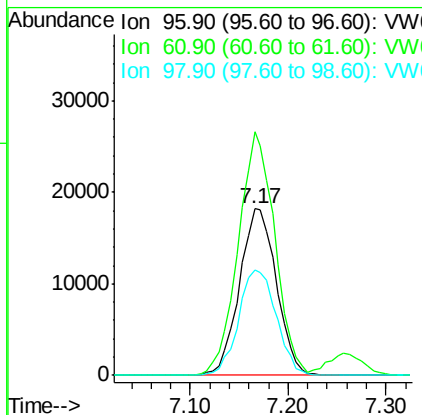
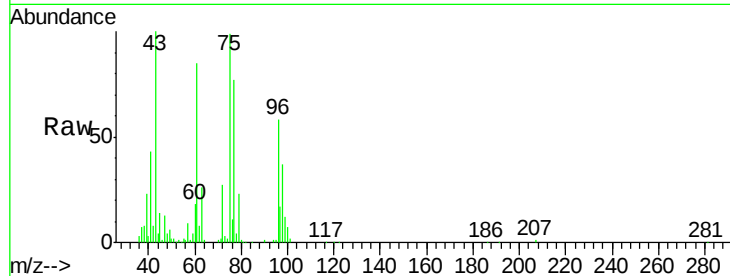
cis-1,2-Dichloroethene
 Concen: 20.15 ug/l
 RT: 7.17 min Scan# 915
 Delta R.T. -0.01 min
 Lab File: VW000965.D
 Acq: 24 Jan 2018 23:10

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0124SBS02

Tot Ion	Ratio	Lower	Upper
96	100		
61	144.6	0.0	279.8
98	64.5	0.0	127.6

Manual Integrations
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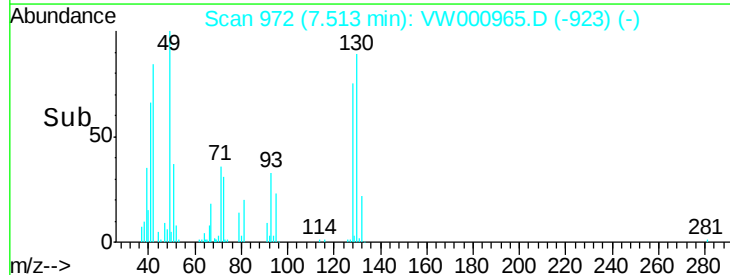
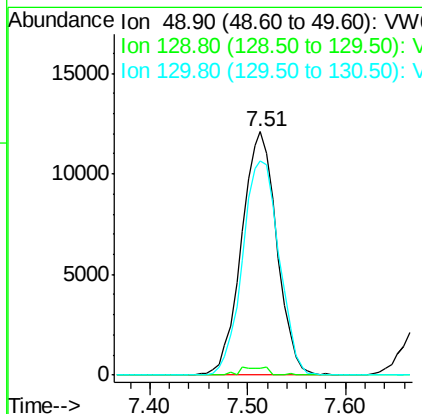
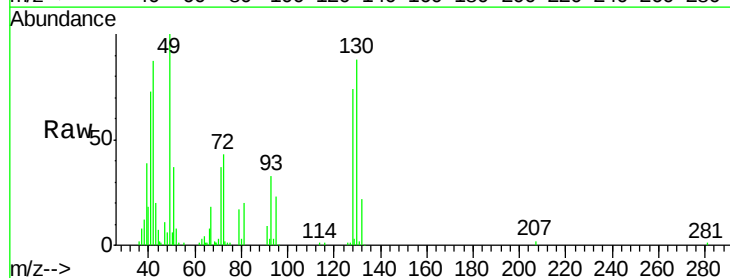
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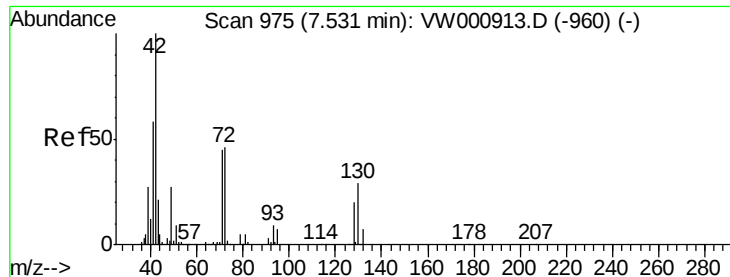


#28

Bromochloromethane
 Concen: 19.54 ug/l
 RT: 7.51 min Scan# 972
 Delta R.T. 0.00 min
 Lab File: VW000965.D
 Acq: 24 Jan 2018 23:10

Tgt Ion	Ratio	Lower	Upper
49	100		
129	2.5	0.0	2.8
130	91.2	73.8	110.6





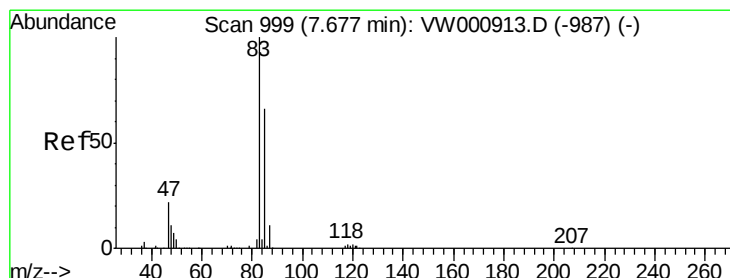
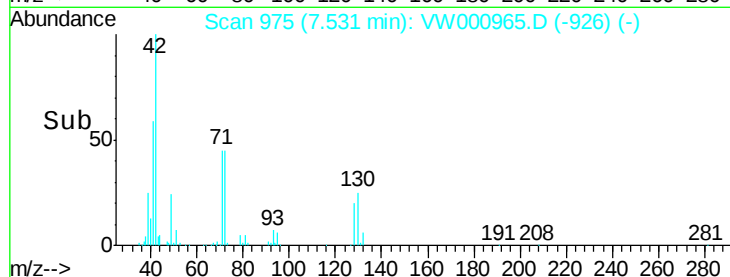
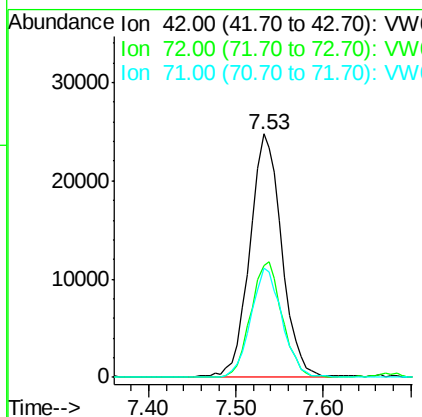
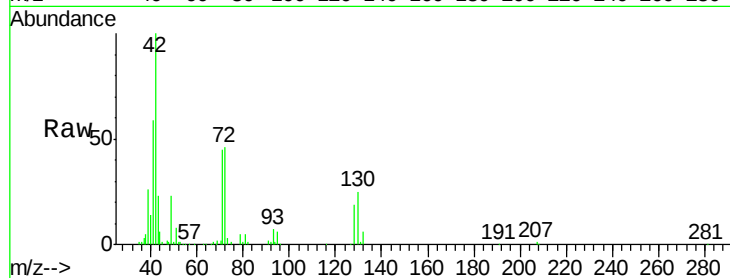
#29
Tetrahydrofuran
Concen: 110.97 ug/l
RT: 7.53 min Scan# 975
Delta R.T. 0.00 min
Lab File: VW000965.D
Acq: 24 Jan 2018 23:10

Instrument :
MSVOA_W
ClientSampleId :
VW0124SBS02

Tot Ion	Ratio	Lower	Upper
42	100		
72	46.4	37.1	55.7
71	43.7	34.9	52.3

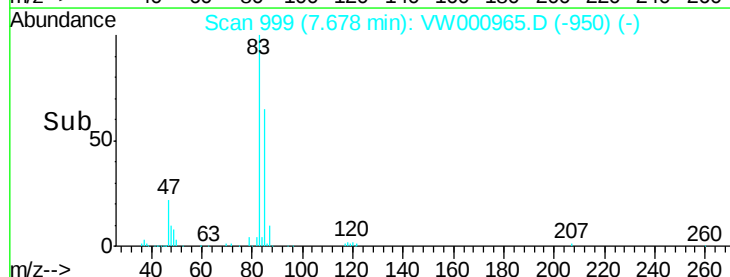
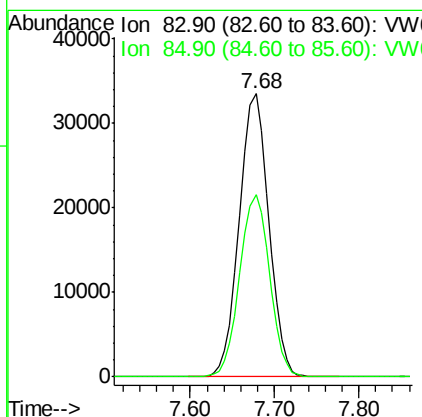
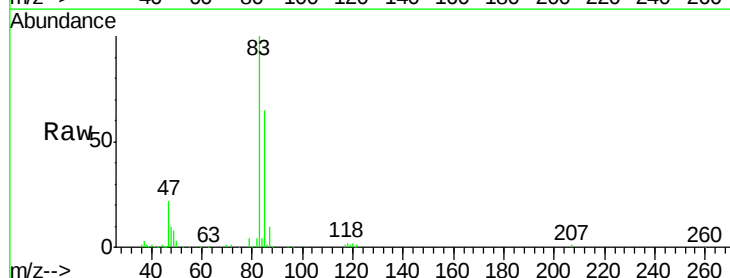
Manual Integrations
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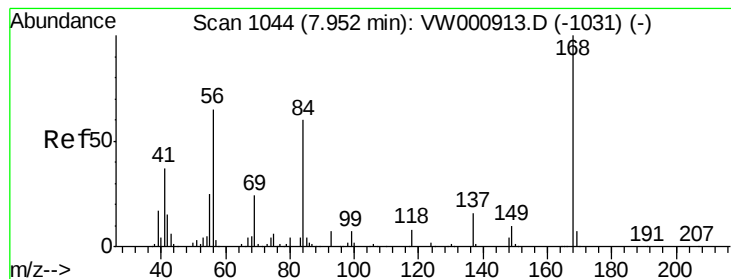
MMDadoda
1/25/2018 1:34:01 PM



#30
Chloroform
Concen: 20.00 ug/l
RT: 7.68 min Scan# 999
Delta R.T. 0.00 min
Lab File: VW000965.D
Acq: 24 Jan 2018 23:10

Tgt Ion	Ratio	Lower	Upper
83	100		
85	64.5	52.5	78.7





#31

Cyclohexane

Concen: 20.68 ug/l

RT: 7.95 min Scan# 1044

Delta R.T. 0.00 min

Lab File: VW000965.D

Acq: 24 Jan 2018 23:10

Instrument :

MSVOA_W

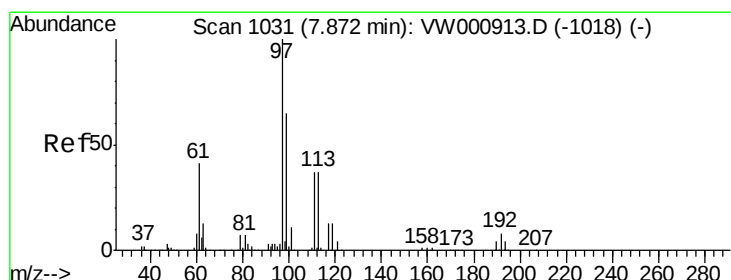
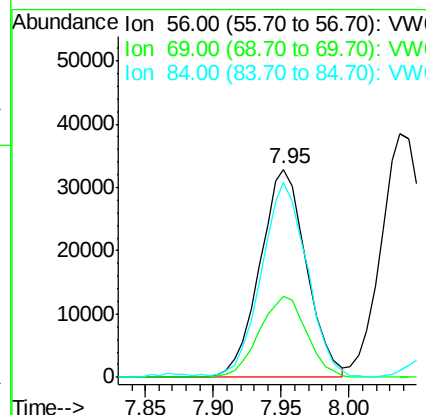
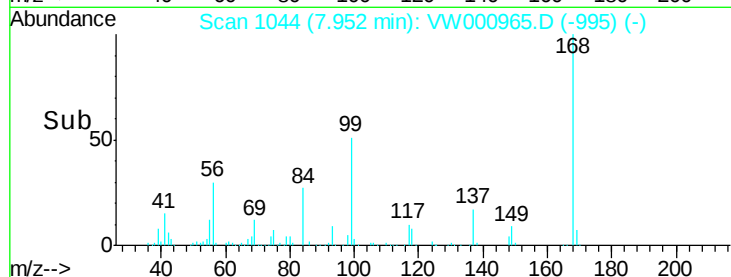
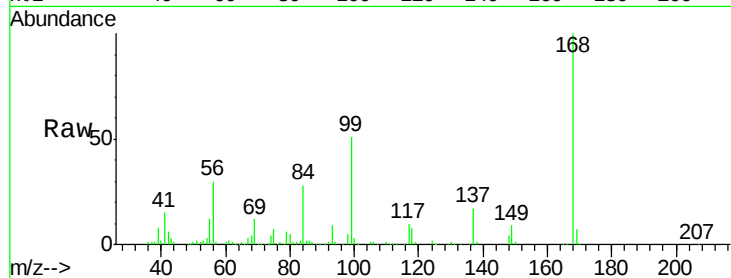
ClientSampleID :

VW0124SBS02

Tot Ion:	56	Resp:	78521
Ion Ratio	Lower	Upper	
56	100		
69	39.3	29.2	43.8
84	92.7	73.6	110.4

Manual Integrations
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1/25/2018 1:34:01 PM



#32

1,1,1-Trichloroethane

Concen: 20.47 ug/l

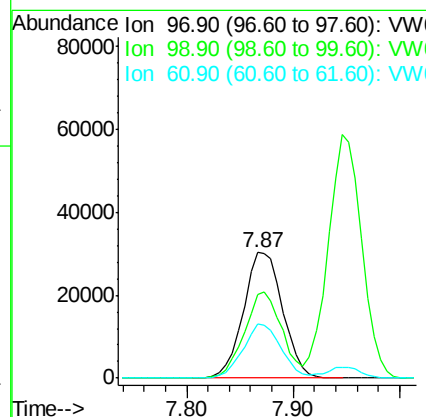
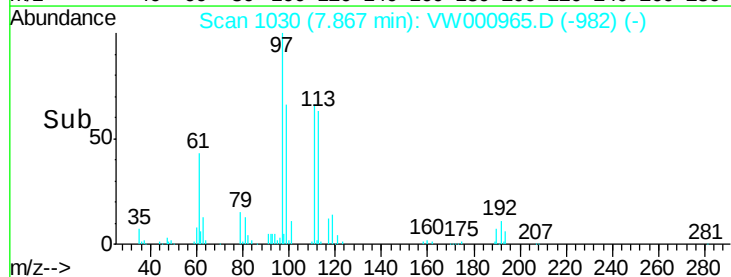
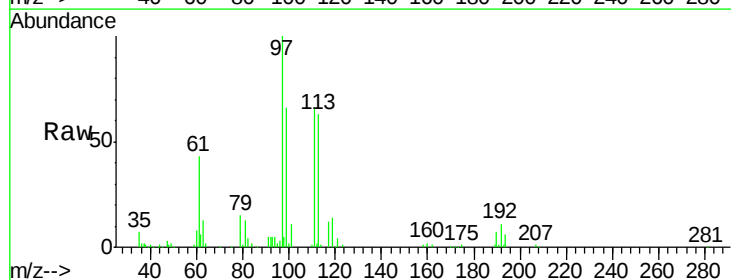
RT: 7.87 min Scan# 1030

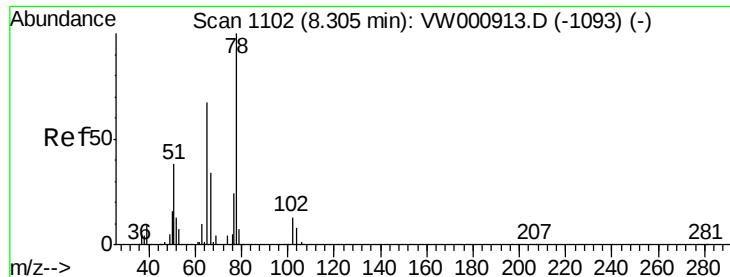
Delta R.T. -0.01 min

Lab File: VW000965.D

Acq: 24 Jan 2018 23:10

Tgt Ion:	97	Resp:	78488
Ion Ratio	Lower	Upper	
97	100		
99	65.7	52.6	78.8
61	41.5	32.9	49.3





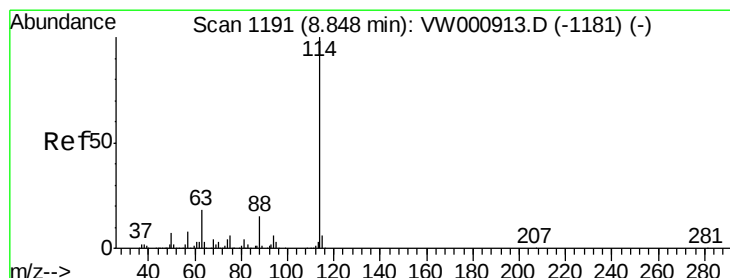
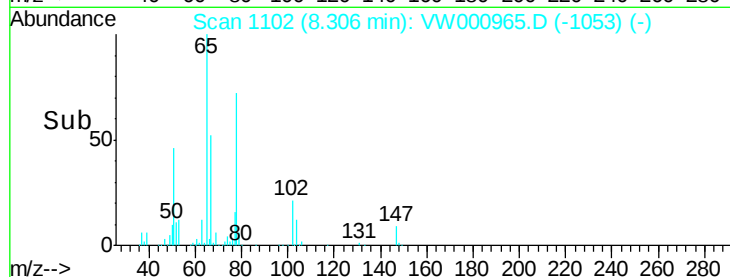
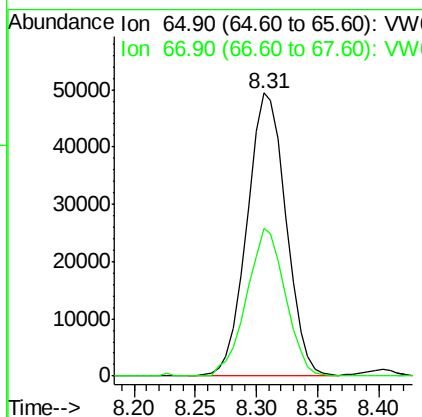
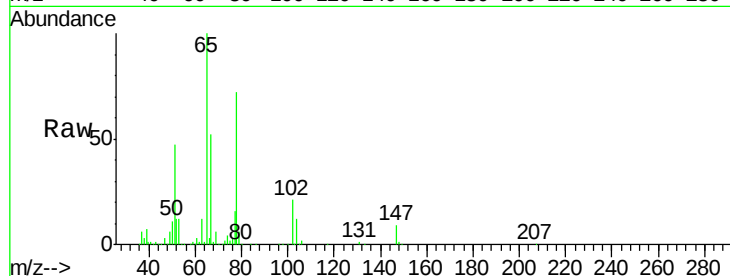
#33
 1,2-Dichloroethane-d4
 Concen: 47.15 ug/l
 RT: 8.31 min Scan# 1102
 Delta R.T. 0.00 min
 Lab File: VW000965.D
 Acq: 24 Jan 2018 23:10

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0124SBS02

Tot Ion	Ratio	Resp	Lower	Upper
65	100			
67	51.9	0.0	105.8	

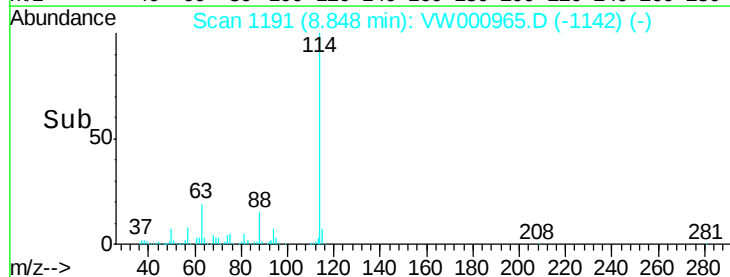
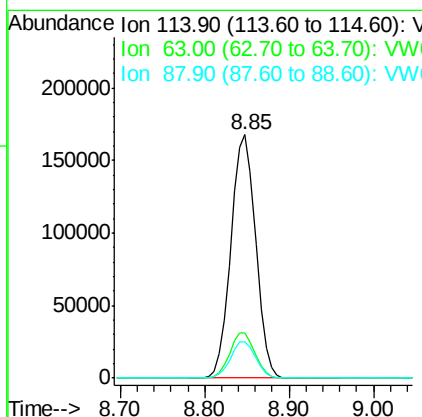
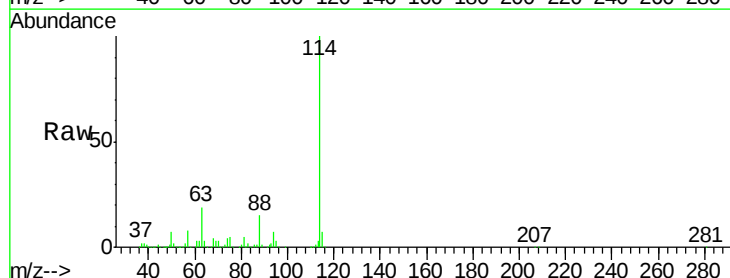
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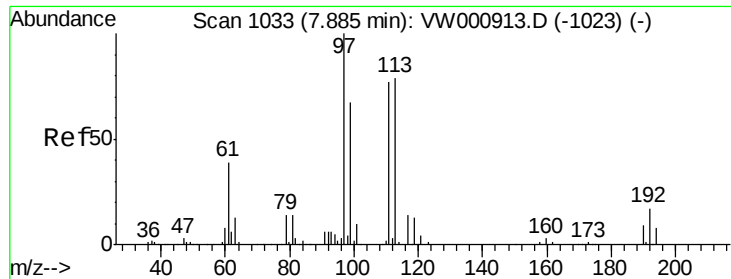
MMDadoda
 1/25/2018 1:34:01 PM



#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 8.85 min Scan# 1191
 Delta R.T. 0.00 min
 Lab File: VW000965.D
 Acq: 24 Jan 2018 23:10

Tgt Ion	Ratio	Resp	Lower	Upper
114	100			
63	18.7	0.0	36.8	
88	15.0	0.0	29.8	





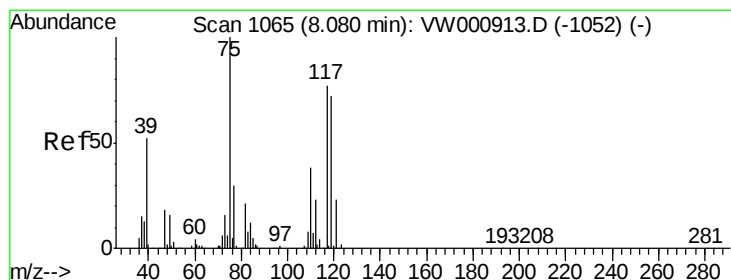
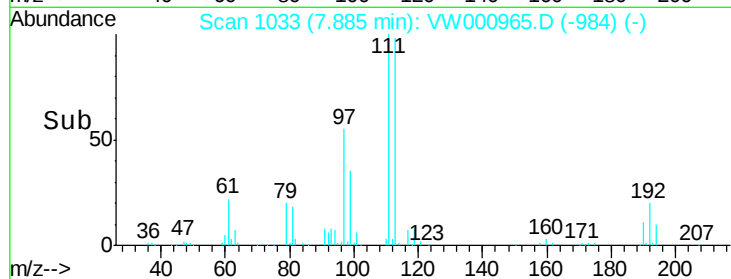
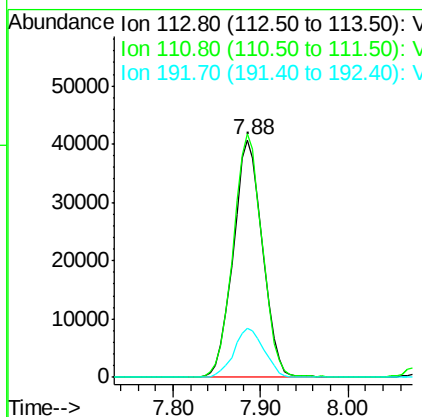
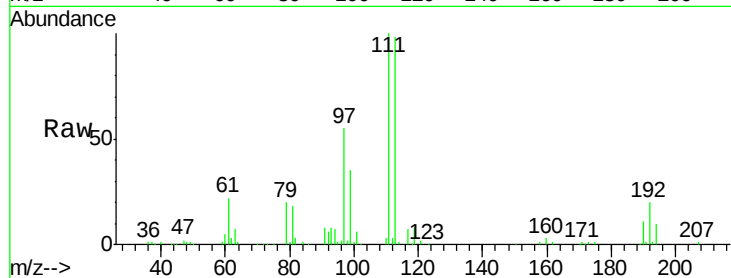
#35
 Dibromofluoromethane
 Concen: 46.46 ug/l
 RT: 7.88 min Scan# 1033
 Delta R.T. 0.00 min
 Lab File: VW000965.D
 Acq: 24 Jan 2018 23:10

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0124SBS02

Tot Ion	Ratio	Lower	Upper
113	100		
111	102.1	80.4	120.6
192	21.3	17.0	25.4

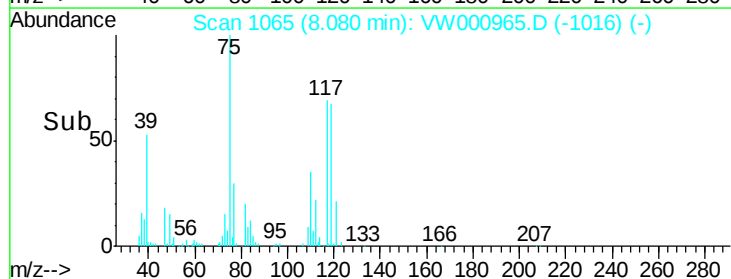
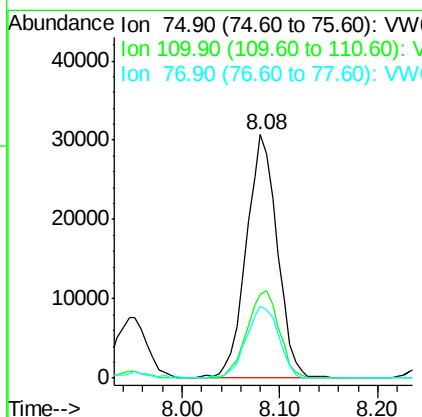
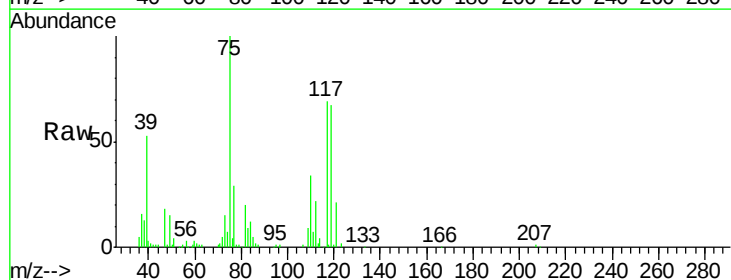
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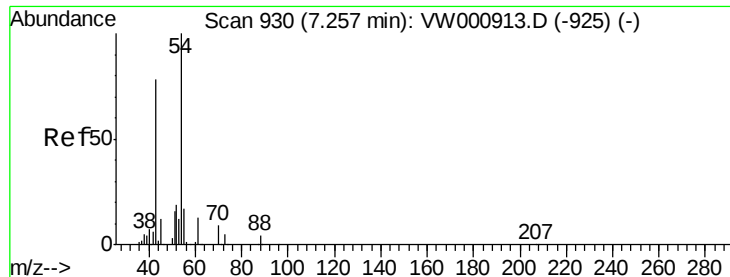
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#36
 1,1-Dichloropropene
 Concen: 21.23 ug/l
 RT: 8.08 min Scan# 1065
 Delta R.T. 0.00 min
 Lab File: VW000965.D
 Acq: 24 Jan 2018 23:10

Tgt Ion	Ratio	Lower	Upper
75	100		
110	37.2	18.6	56.0
77	31.3	24.6	36.8





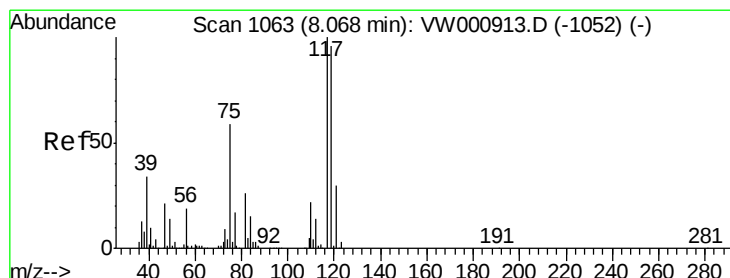
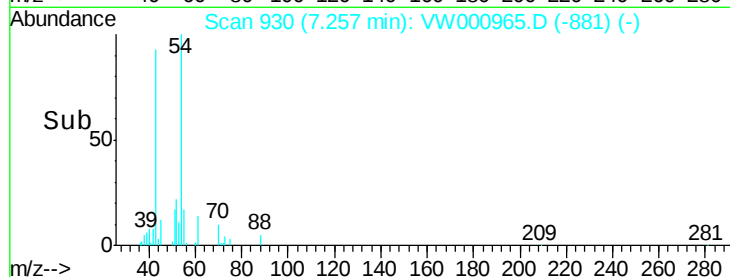
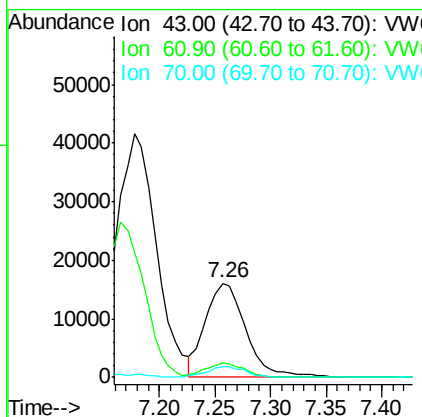
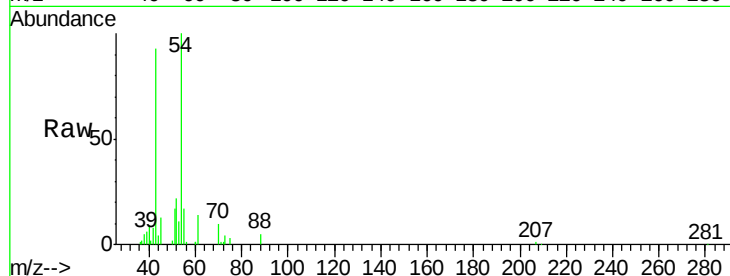
#37
Ethyl Acetate
Concen: 22.45 ug/l
RT: 7.26 min Scan# 930
Delta R.T. 0.00 min
Lab File: VW000965.D
Acq: 24 Jan 2018 23:10

Instrument :
MSVOA_W
ClientSampleId :
VW0124SBS02

Tot Ion	Ratio	Lower	Upper
43	100		
61	15.1	12.1	18.1
70	11.3	9.1	13.7

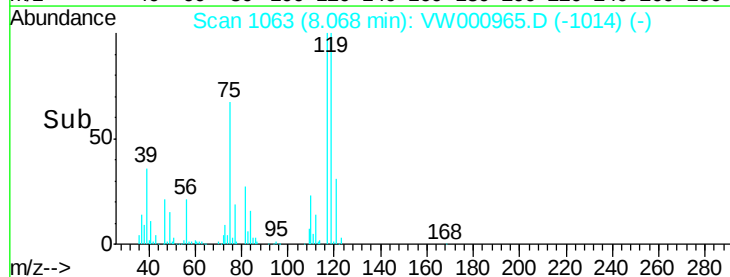
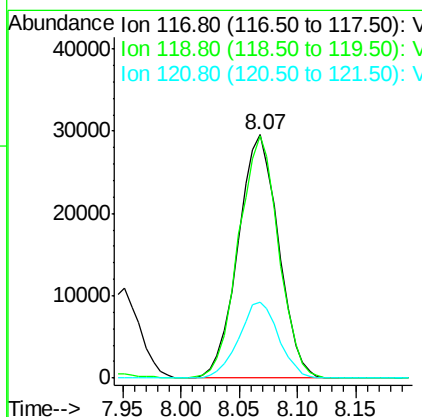
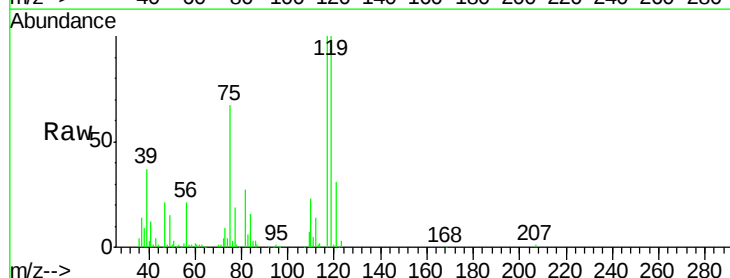
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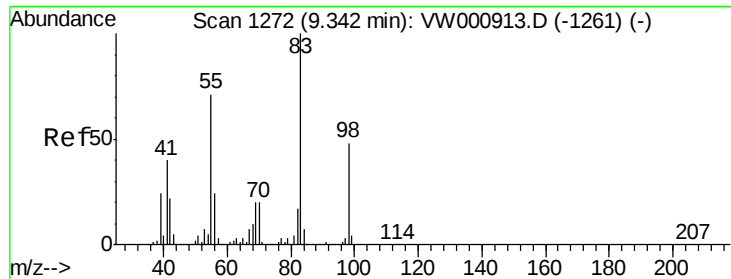
MMDadoda
1/25/2018 1:34:01 PM



#38
Carbon Tetrachloride
Concen: 20.39 ug/l
RT: 8.07 min Scan# 1063
Delta R.T. 0.00 min
Lab File: VW000965.D
Acq: 24 Jan 2018 23:10

Tgt Ion	Ratio	Lower	Upper
117	100		
119	99.5	76.5	114.7
121	31.2	24.3	36.5





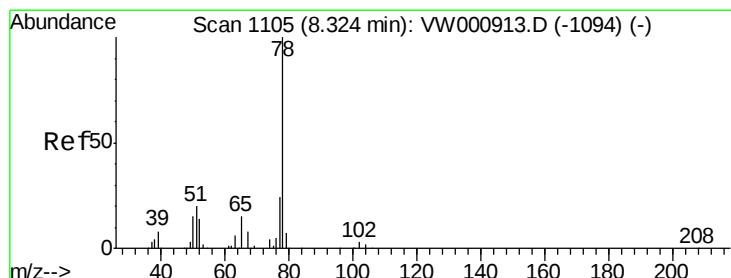
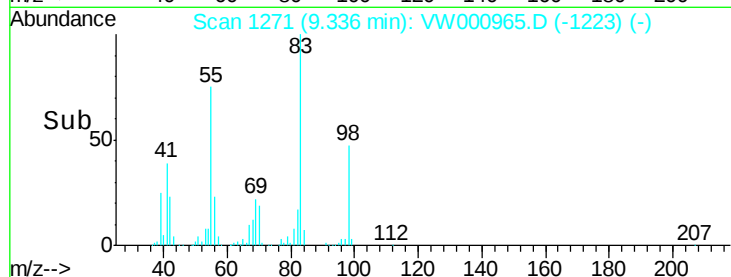
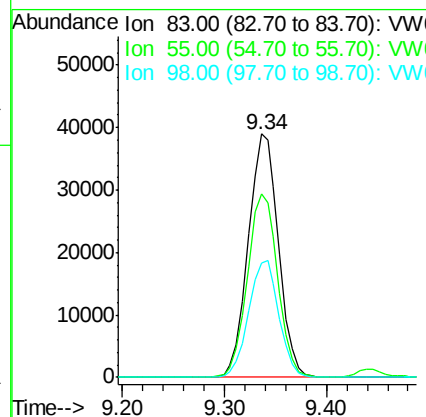
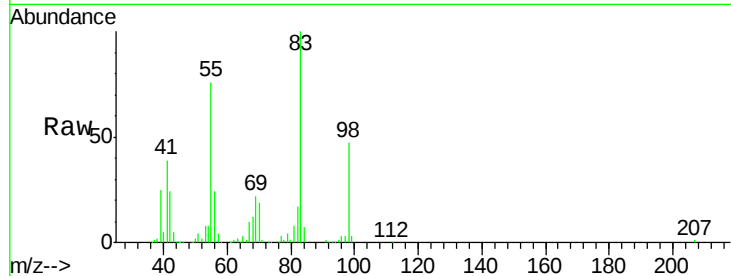
#39
Methvlcvclohexane
Concen: 20.97 ug/l
RT: 9.34 min Scan# 1271
Delta R.T. -0.01 min
Lab File: VW000965.D
Acq: 24 Jan 2018 23:10

Instrument :
MSVOA_W
ClientSampleId :
VW0124SBS02

Tot Ion	Ratio	Lower	Upper
83	100		
55	75.6	56.4	84.6
98	46.9	38.2	57.4

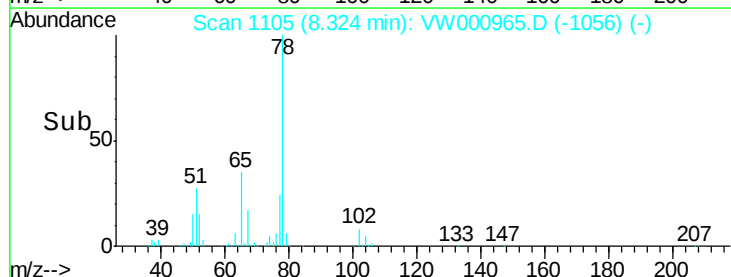
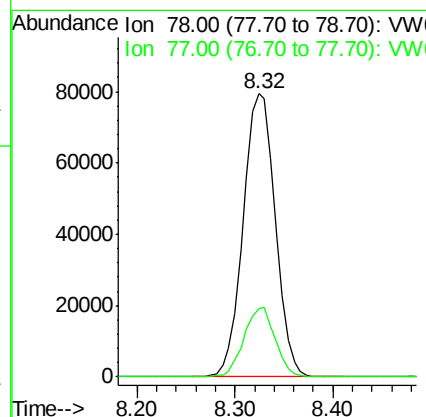
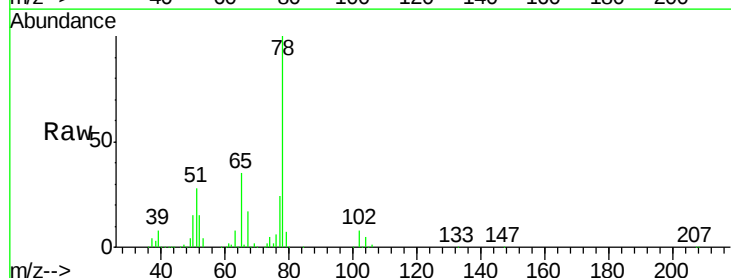
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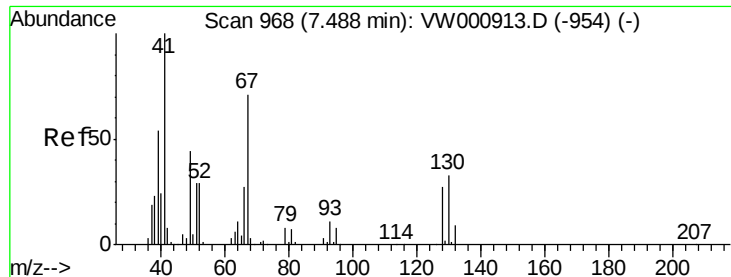
MMDadoda
1/25/2018 1:34:01 PM



#40
Benzene
Concen: 20.93 ug/l
RT: 8.32 min Scan# 1105
Delta R.T. 0.00 min
Lab File: VW000965.D
Acq: 24 Jan 2018 23:10

Tgt Ion	Ratio	Lower	Upper
78	100		
77	24.0	19.0	28.6





#41

Methacrylonitrile

Concen: 19.62 ug/l

RT: 7.49 min Scan# 968

Delta R.T. 0.00 min

Lab File: VW000965.D

Acq: 24 Jan 2018 23:10

Instrument :

MSVOA_W

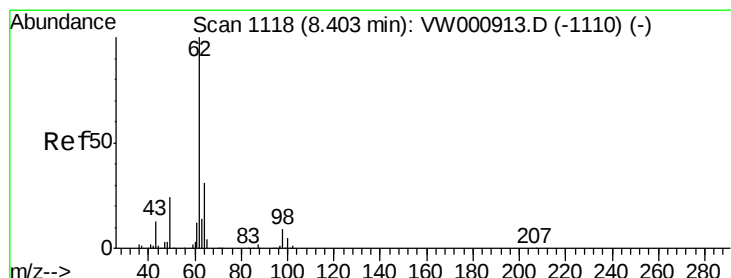
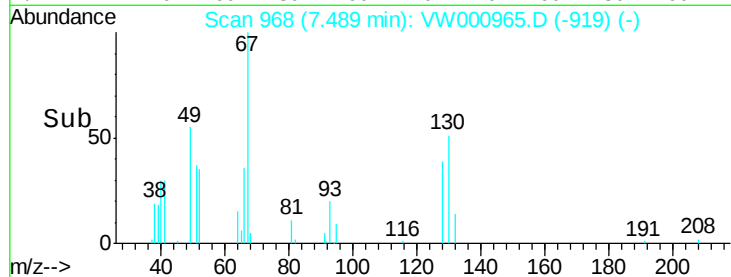
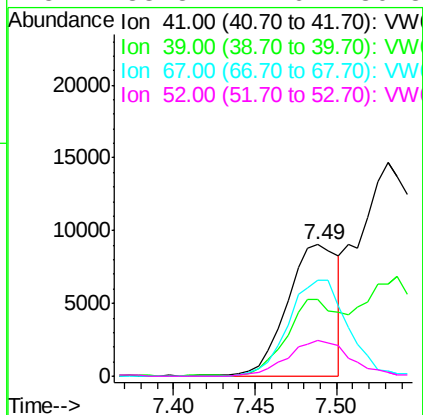
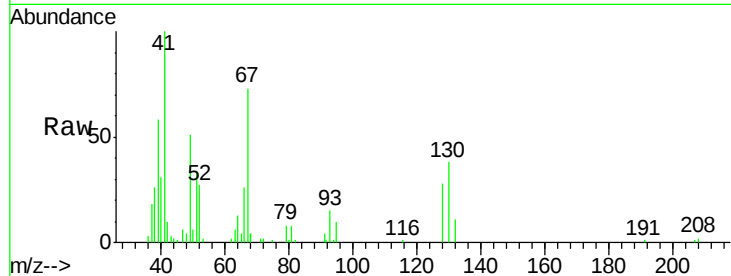
ClientSampleId :

VW0124SBS02

Tot Ion	41	Resp	19727
Ion	Ratio	Lower	Upper
41	100		
39	64.5	43.4	65.0
67	83.9	59.0	88.4
52	33.8	24.6	36.8

Manual Integrations
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1/25/2018 1:34:01 PM



#42

1,2-Dichloroethane

Concen: 20.51 ug/l

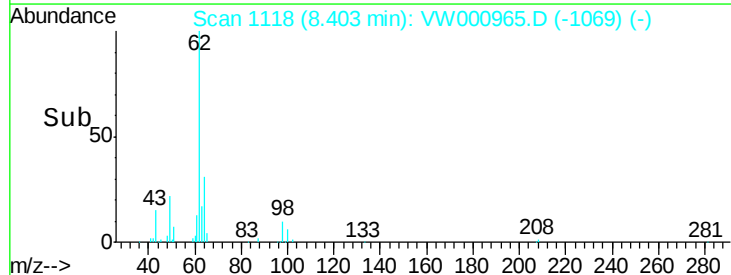
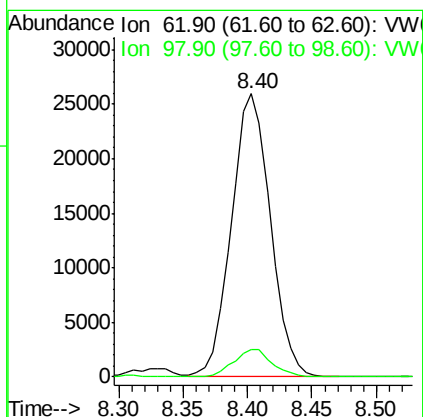
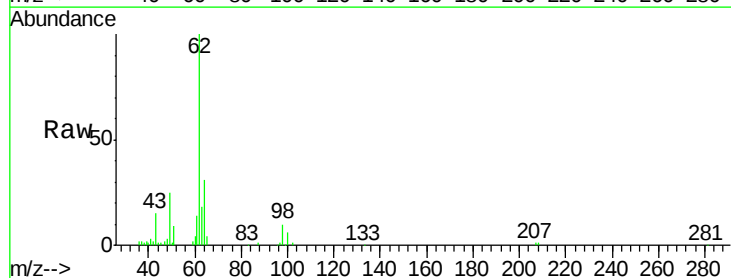
RT: 8.40 min Scan# 1118

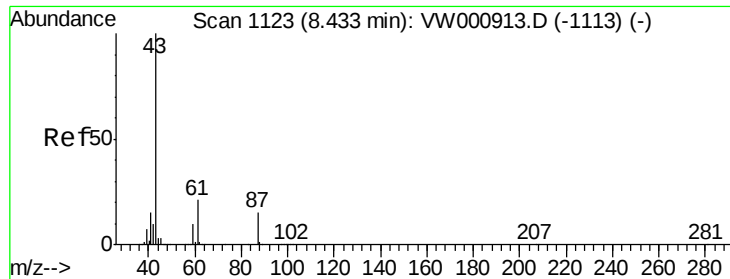
Delta R.T. 0.00 min

Lab File: VW000965.D

Acq: 24 Jan 2018 23:10

Tgt Ion	62	Resp	54523
Ion	Ratio	Lower	Upper
62	100		
98	9.6	0.0	18.0





#43

Isopropyl Acetate

Concen: 21.16 ug/l

RT: 8.43 min Scan# 1122

Delta R.T. -0.01 min

Lab File: VW000965.D

Acq: 24 Jan 2018 23:10

Instrument :

MSVOA_W

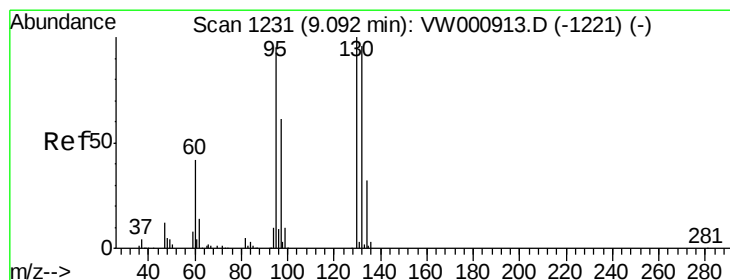
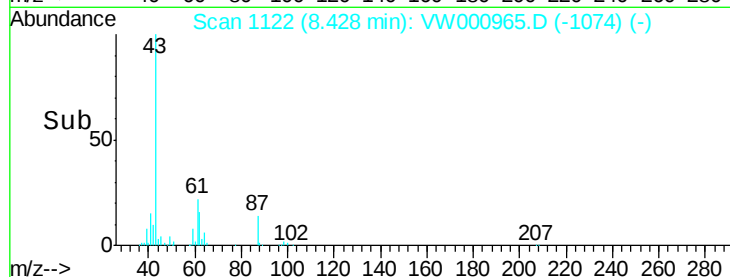
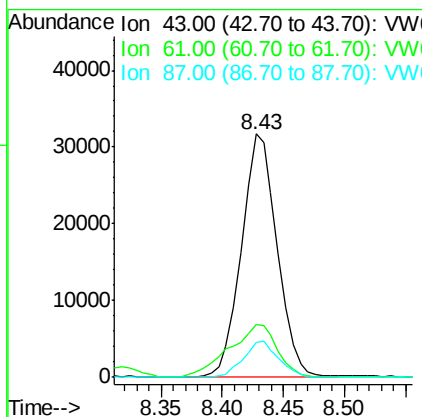
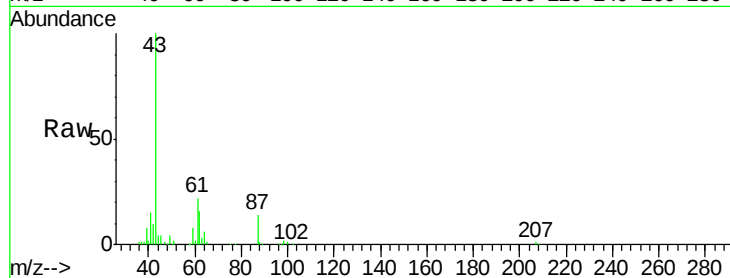
ClientSampleId :

VW0124SBS02

Tot Ion:	43	Resp:	64268
Ion	Ratio	Lower	Upper
43	100		
61	29.3	23.6	35.4
87	14.4	11.7	17.5

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#44

Trichloroethene

Concen: 21.01 ug/l

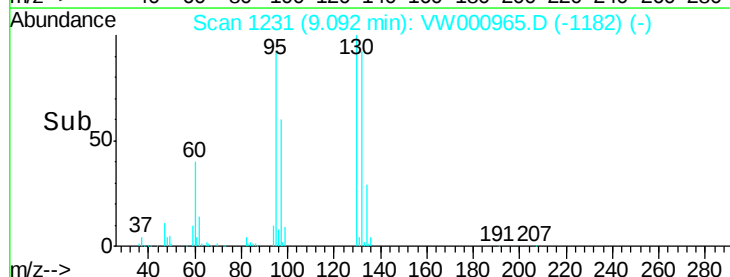
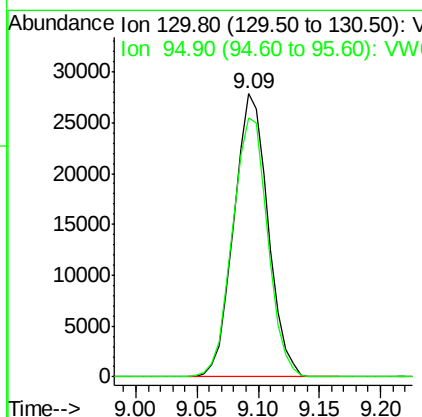
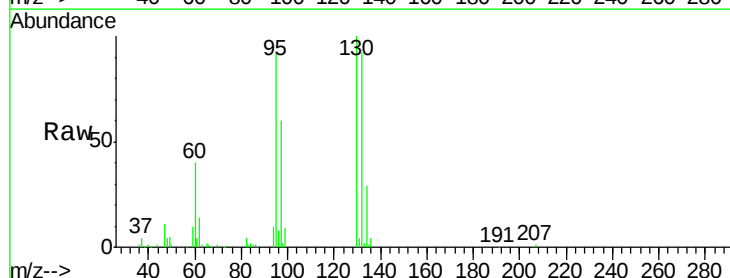
RT: 9.09 min Scan# 1231

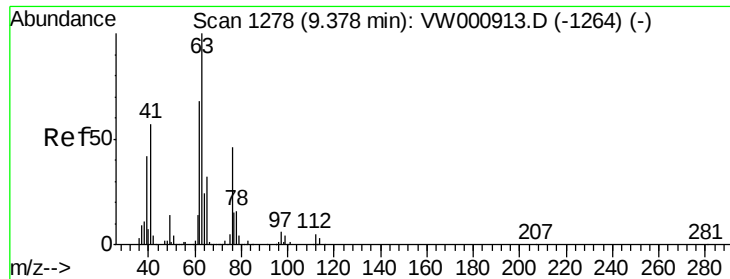
Delta R.T. 0.00 min

Lab File: VW000965.D

Acq: 24 Jan 2018 23:10

Tgt Ion:	130	Resp:	53857
Ion	Ratio	Lower	Upper
130	100		
95	91.7	0.0	190.4





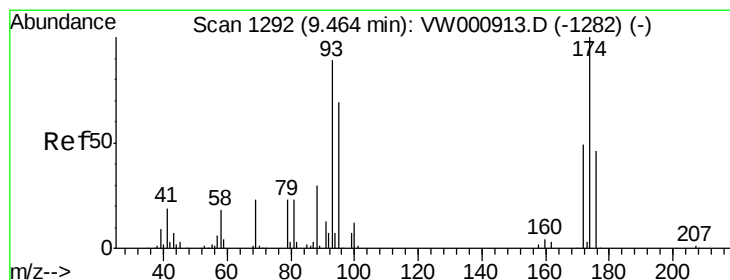
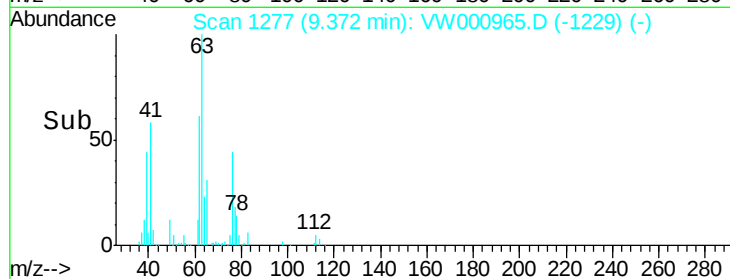
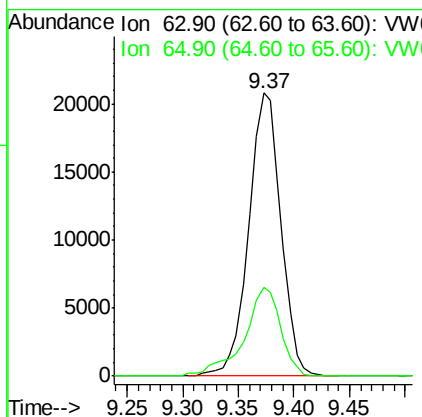
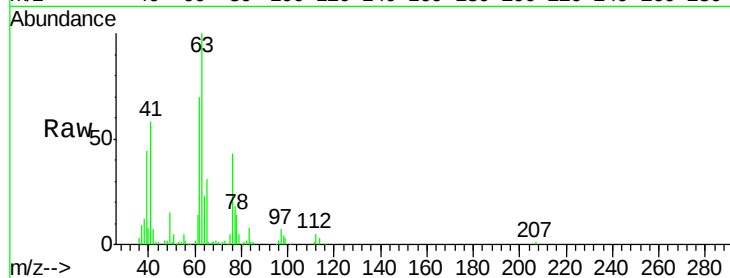
#45
 1,2-Dichloropropane
 Concen: 20.76 ug/l
 RT: 9.37 min Scan# 1277
 Delta R.T. -0.01 min
 Lab File: VW000965.D
 Acq: 24 Jan 2018 23:10

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0124SBS02

Tot Ion	63	Resp	41799
Ion Ratio	Lower	Upper	
63	100		
65	31.3	25.2	37.8

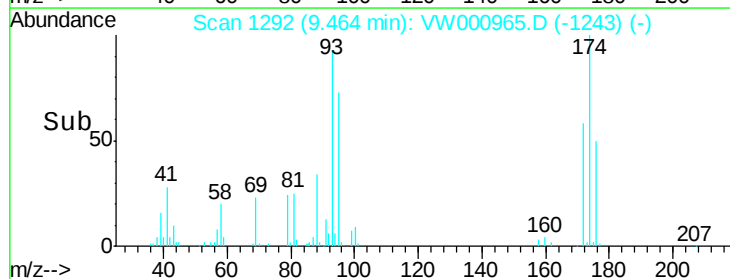
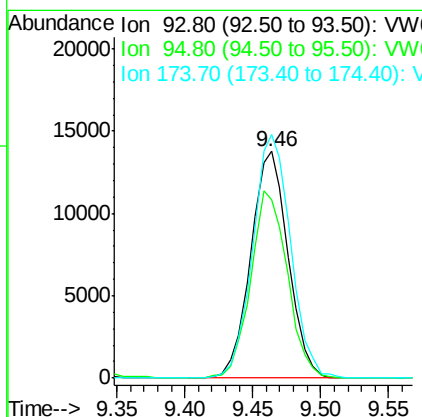
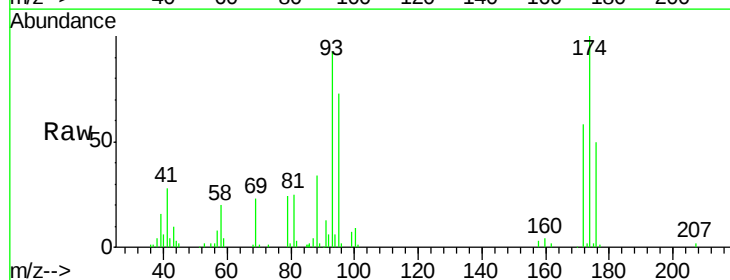
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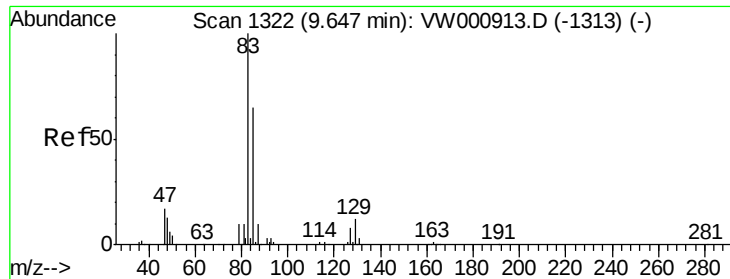
MMDadoda
 1/25/2018 1:34:01 PM



#46
 Dibromomethane
 Concen: 20.56 ug/l
 RT: 9.46 min Scan# 1292
 Delta R.T. 0.00 min
 Lab File: VW000965.D
 Acq: 24 Jan 2018 23:10

Tgt Ion	93	Resp	26445
Ion Ratio	Lower	Upper	
93	100		
95	81.4	65.8	98.6
174	109.1	89.0	133.6





#47

Bromodichloromethane

Concen: 20.31 ug/l

RT: 9.65 min Scan# 1322

Delta R.T. 0.00 min

Lab File: VW000965.D

Acq: 24 Jan 2018 23:10

Instrument :

MSVOA_W

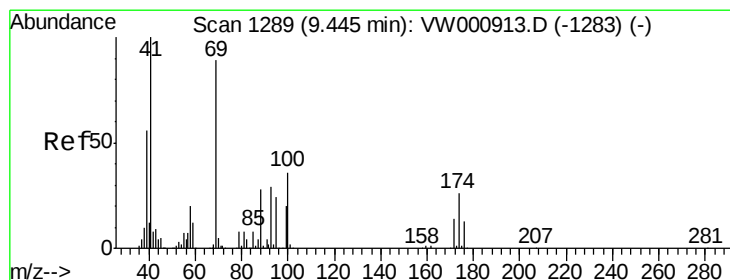
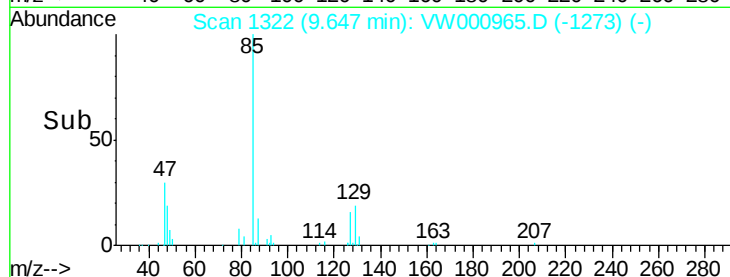
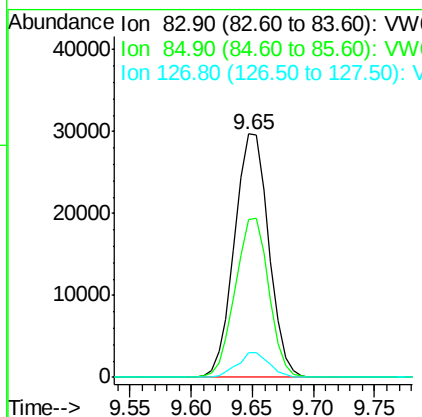
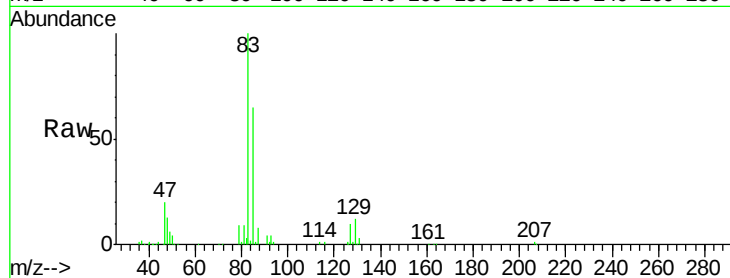
ClientSampleId :

VW0124SBS02

Tot Ion:	83	Resp:	57768
Ion Ratio	Lower	Upper	
83	100		
85	65.0	52.0	78.0
127	10.3	6.8	10.2#

Manual Integrations
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1/25/2018 1:34:01 PM



#48

Methyl methacrylate

Concen: 20.68 ug/l

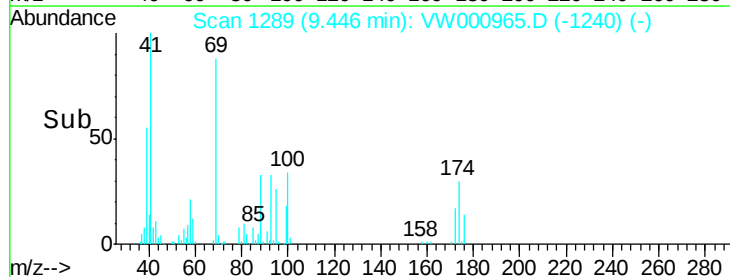
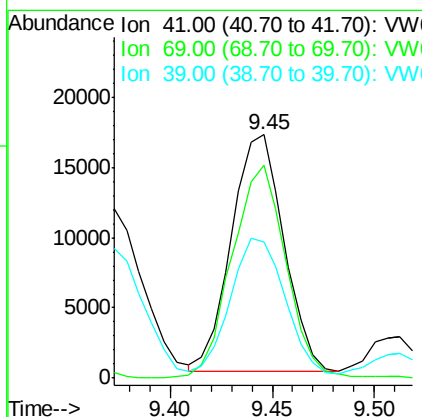
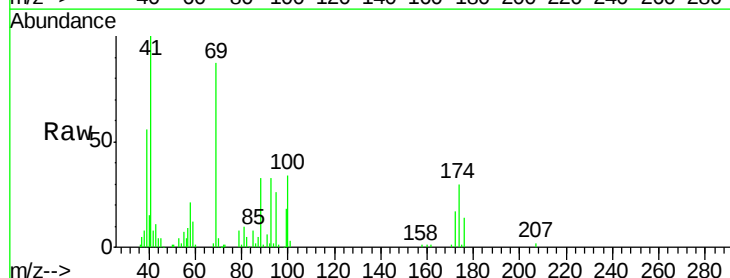
RT: 9.45 min Scan# 1289

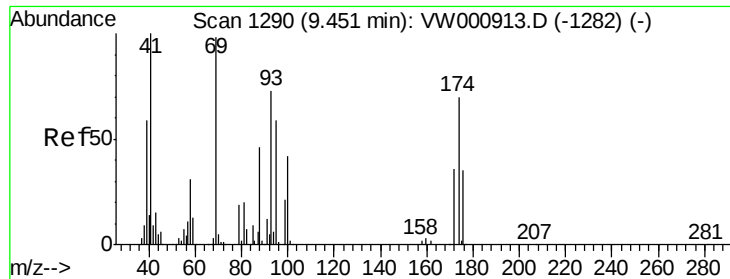
Delta R.T. 0.00 min

Lab File: VW000965.D

Acq: 24 Jan 2018 23:10

Tgt Ion:	41	Resp:	30162
Ion Ratio	Lower	Upper	
41	100		
69	93.0	72.9	109.3
39	58.9	48.4	72.6





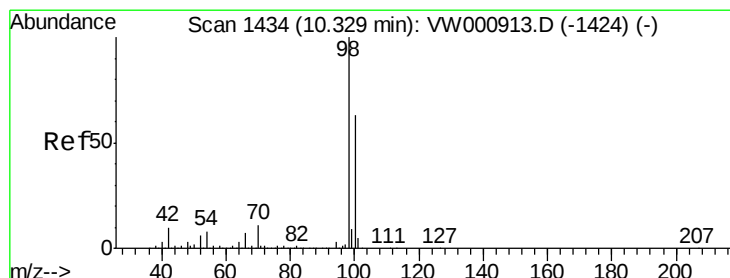
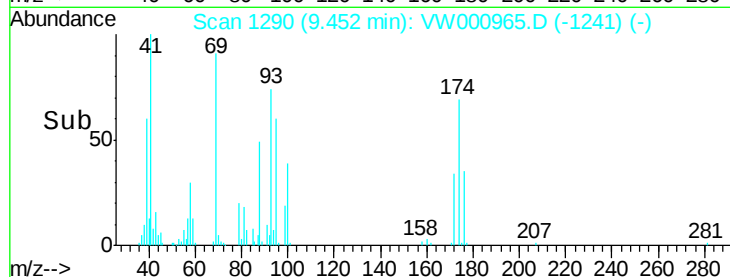
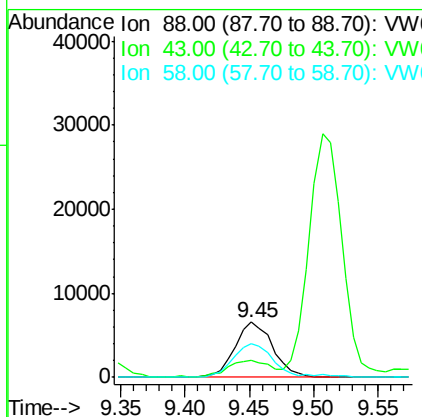
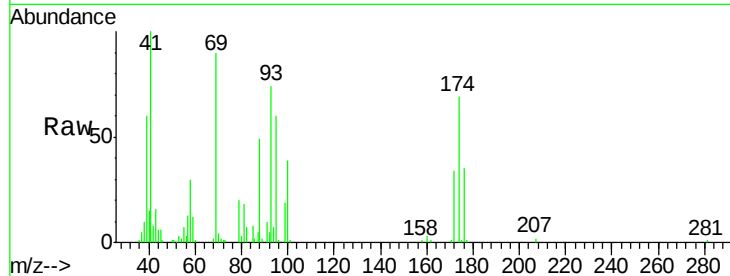
#49
1,4-Dioxane
Concen: 472.68 ug/l
RT: 9.45 min Scan# 1290
Delta R.T. 0.00 min
Lab File: VW000965.D
Acq: 24 Jan 2018 23:10

Instrument :
MSVOA_W
ClientSampleId :
VW0124SBS02

Tot Ion	Ratio	Lower	Upper
88	100		
43	35.7	24.5	36.7
58	65.2	54.7	82.1

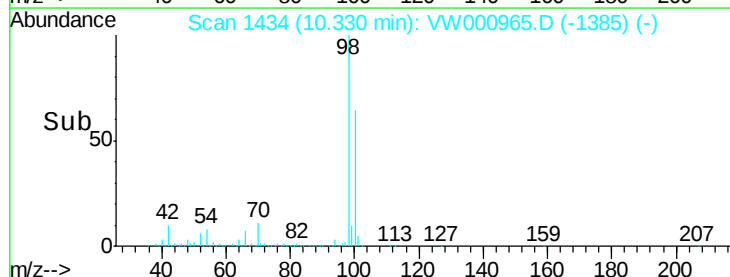
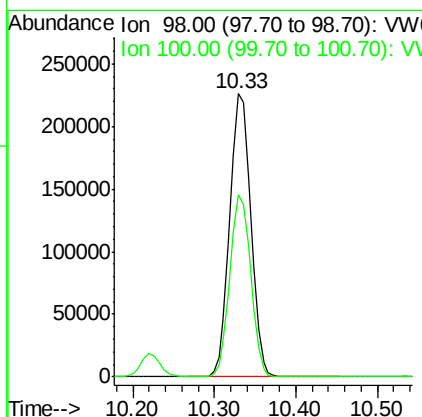
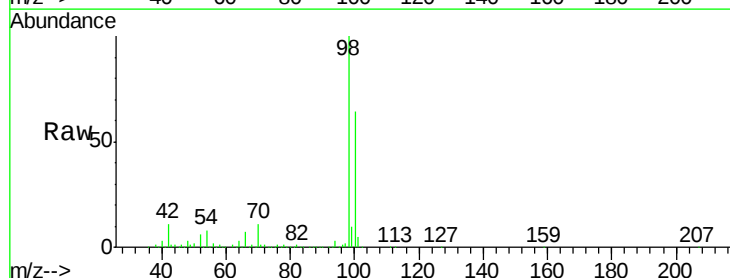
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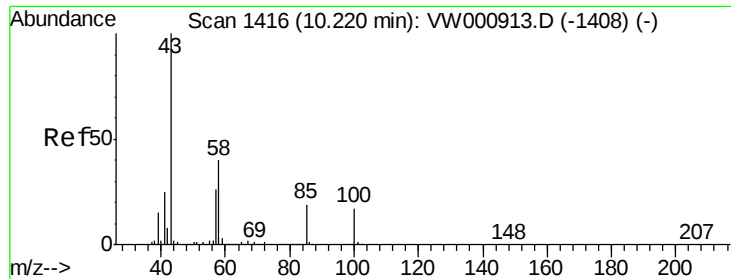
MMDadoda
1/25/2018 1:34:01 PM



#50
Toluene-d8
Concen: 49.94 ug/l
RT: 10.33 min Scan# 1434
Delta R.T. 0.00 min
Lab File: VW000965.D
Acq: 24 Jan 2018 23:10

Tgt Ion	Ratio	Lower	Upper
98	100		
100	63.6	50.8	76.2





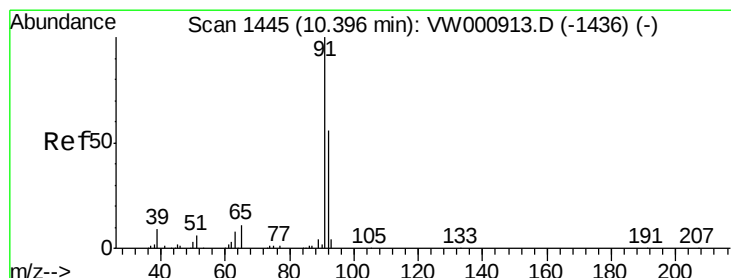
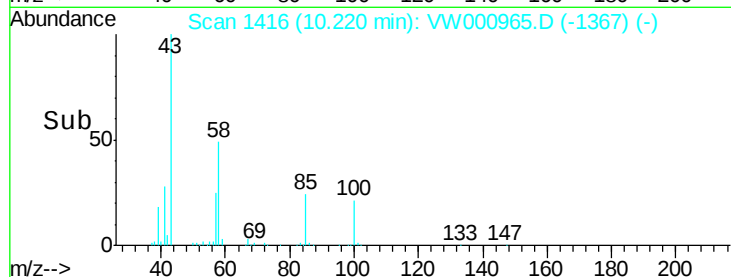
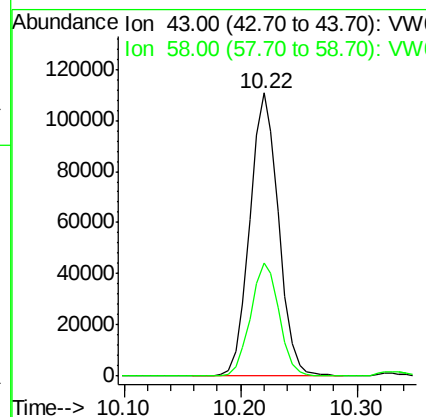
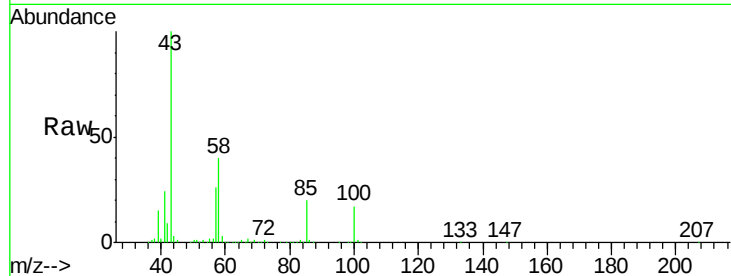
#51
 4-Methyl-2-Pentanone
 Concen: 108.81 ug/l
 RT: 10.22 min Scan# 1416
 Delta R.T. 0.00 min
 Lab File: VW000965.D
 Acq: 24 Jan 2018 23:10

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0124SBS02

Tot Ion	Ratio	Lower	Upper
43	100		
58	39.7	32.0	48.0

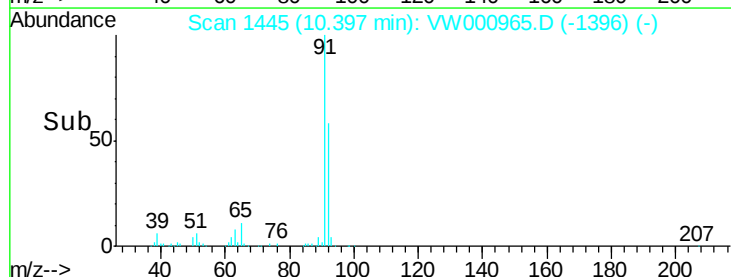
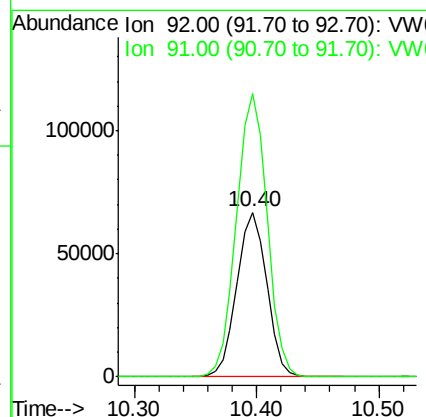
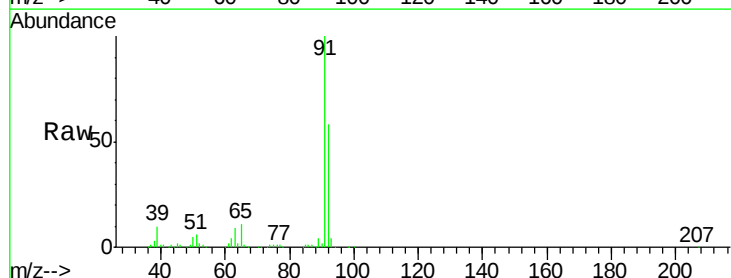
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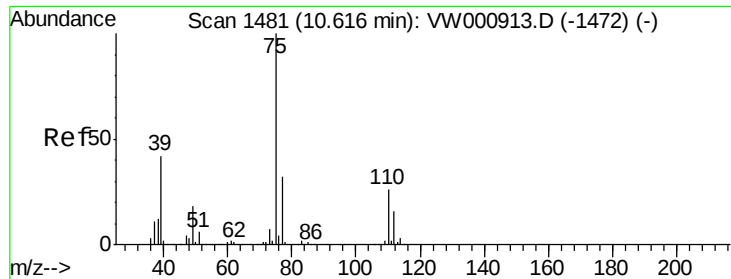
MMDadoda
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#52
 Toluene
 Concen: 20.82 ug/l
 RT: 10.40 min Scan# 1445
 Delta R.T. 0.00 min
 Lab File: VW000965.D
 Acq: 24 Jan 2018 23:10

Tgt Ion	Ratio	Lower	Upper
92	100		
91	175.4	140.7	211.1





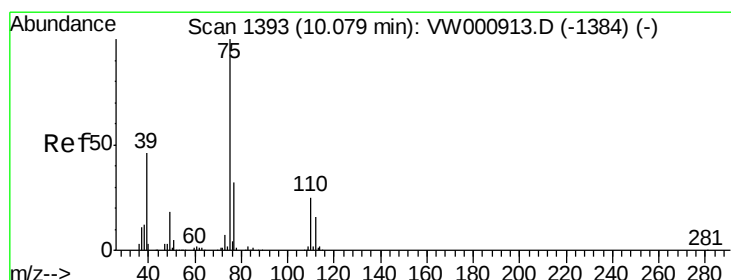
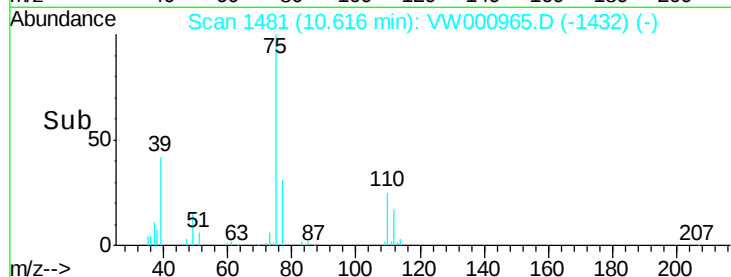
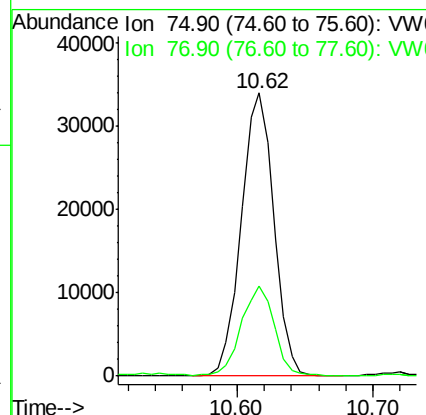
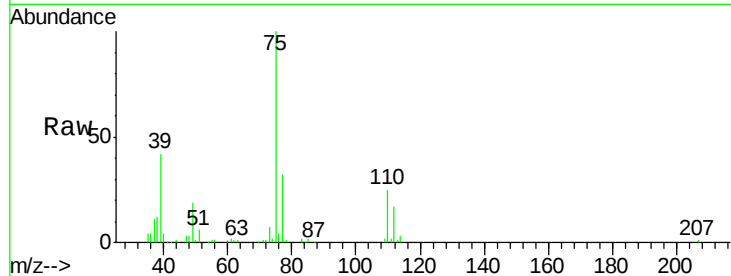
#53
t-1,3-Dichloropropene
Concen: 19.70 ug/l
RT: 10.62 min Scan# 1481
Delta R.T. 0.00 min
Lab File: VW000965.D
Acq: 24 Jan 2018 23:10

Instrument :
MSVOA_W
ClientSampleId :
VW0124SBS02

Tot Ion: 75 Resp: 56763
Ion Ratio Lower Upper
75 100
77 31.6 25.7 38.5

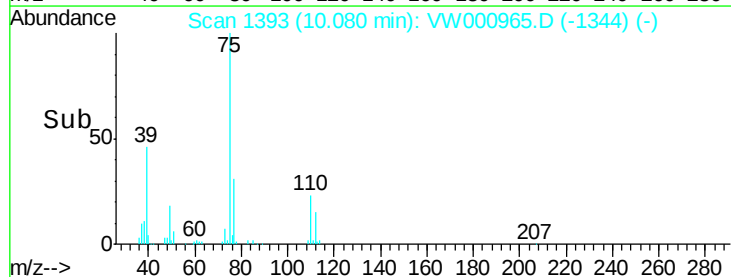
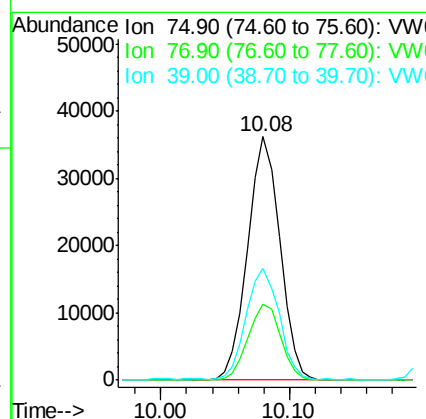
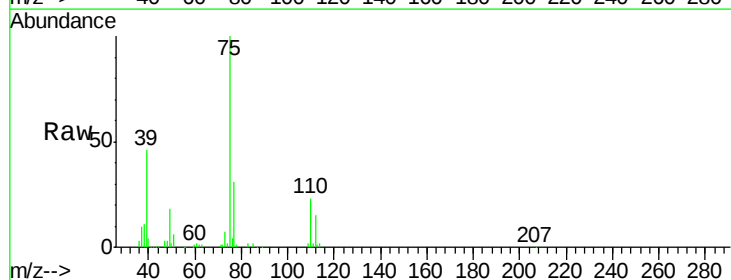
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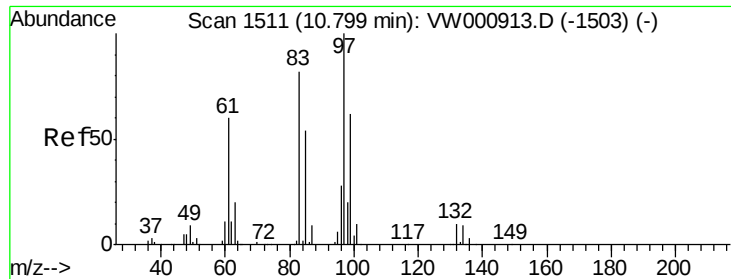
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#54
cis-1,3-Dichloropropene
Concen: 19.80 ug/l
RT: 10.08 min Scan# 1393
Delta R.T. 0.00 min
Lab File: VW000965.D
Acq: 24 Jan 2018 23:10

Tgt Ion: 75 Resp: 62757
Ion Ratio Lower Upper
75 100
77 31.5 25.3 37.9
39 45.6 37.0 55.6





#55

1,1,2-Trichloroethane

Concen: 20.81 ug/l

RT: 10.80 min Scan# 1511

Delta R.T. 0.00 min

Lab File: VW000965.D

Acq: 24 Jan 2018 23:10

Instrument :

MSVOA_W

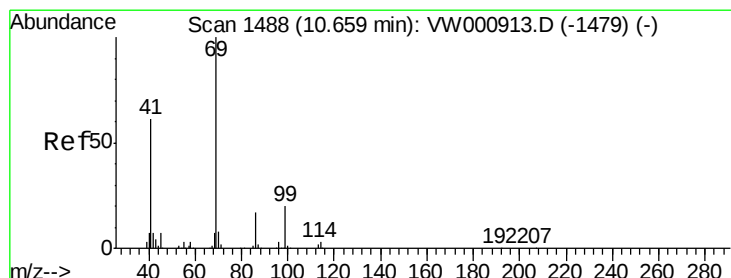
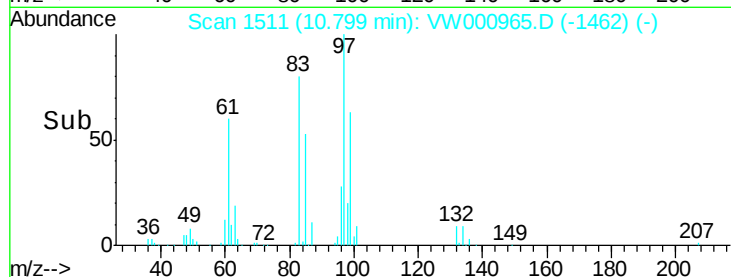
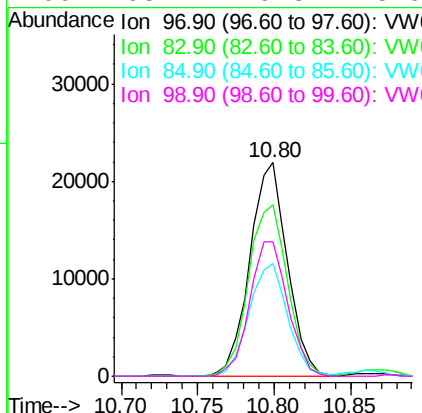
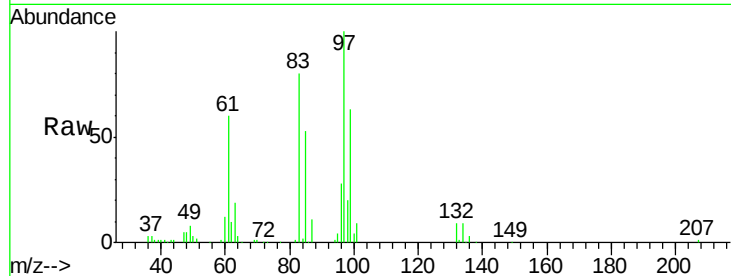
ClientSampleId :

VW0124SBS02

Tot Ion:	97	Resp:	37379
Ion	Ratio	Lower	Upper
97	100		
83	80.0	65.2	97.8
85	52.7	43.1	64.7
99	63.1	49.3	73.9

Manual Integrations
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#56

Ethyl methacrylate

Concen: 20.34 ug/l

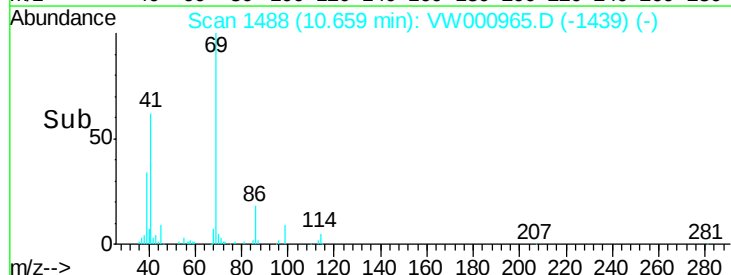
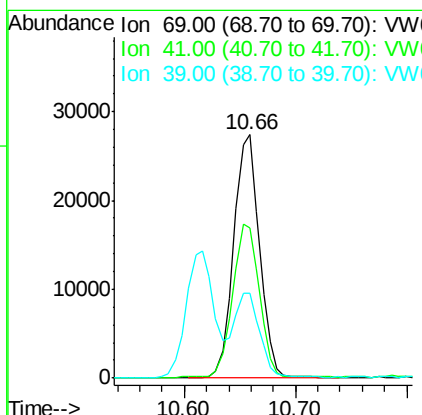
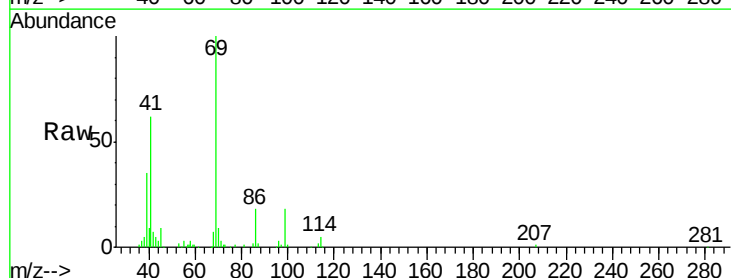
RT: 10.66 min Scan# 1488

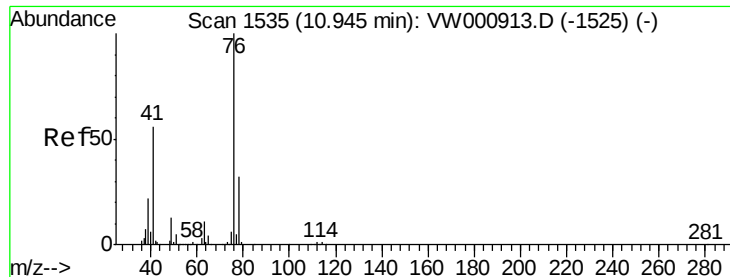
Delta R.T. 0.00 min

Lab File: VW000965.D

Acq: 24 Jan 2018 23:10

Tgt Ion:	69	Resp:	44059
Ion	Ratio	Lower	Upper
69	100		
41	66.3	50.3	75.5
39	36.3	28.6	42.8





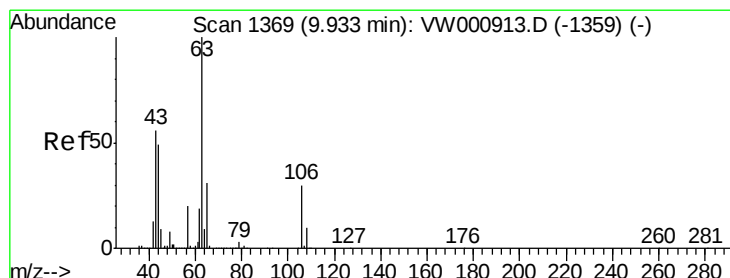
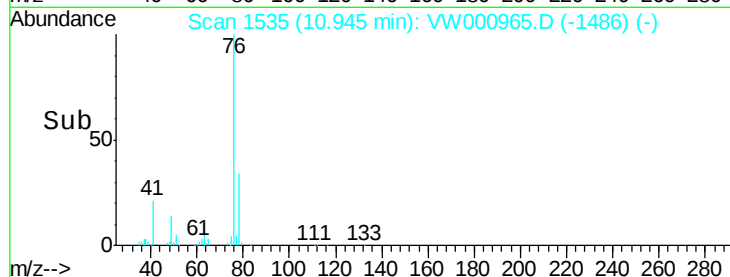
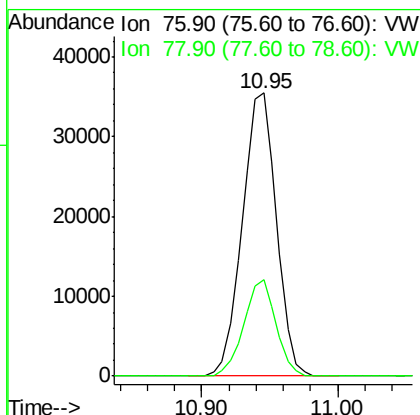
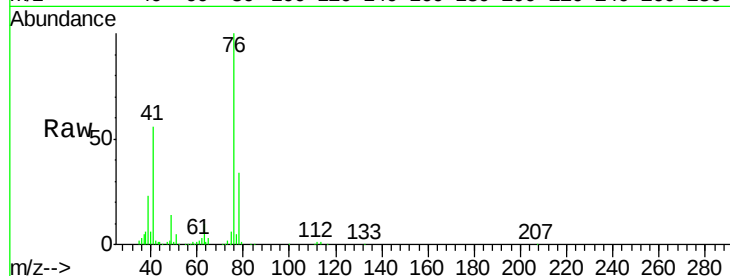
#57
 1,3-Dichloropropane
 Concen: 21.17 ug/l
 RT: 10.95 min Scan# 1535
 Delta R.T. 0.00 min
 Lab File: VW000965.D
 Acq: 24 Jan 2018 23:10

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0124SBS02

Tot Ion: 76 Resp: 62085
 Ion Ratio Lower Upper
 76 100
 78 32.3 25.8 38.8

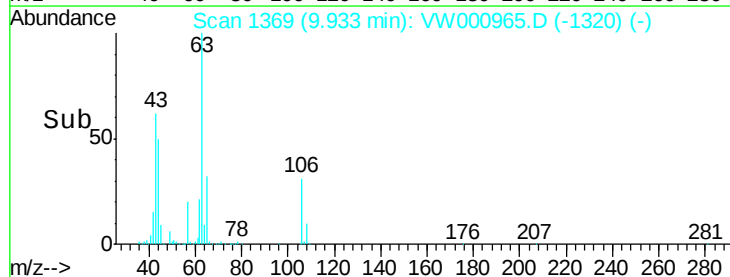
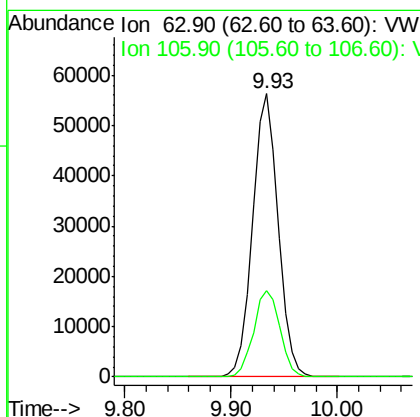
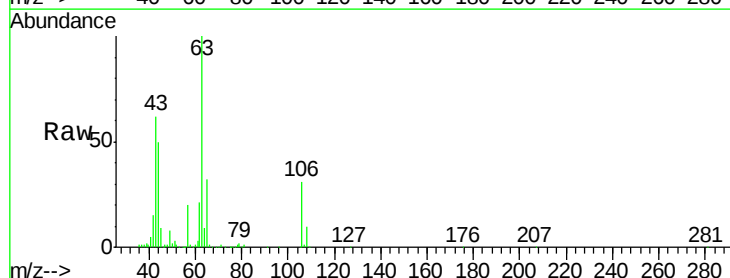
Manual Integrations
 APPROVED

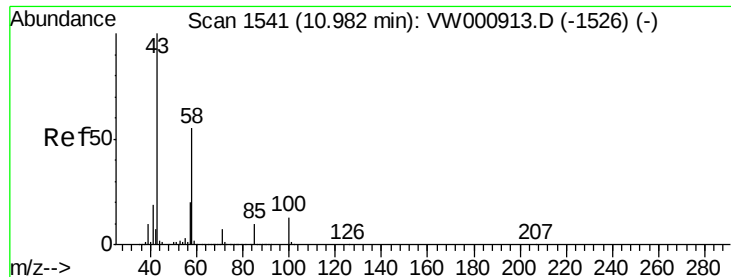
MMDadoda
 1/25/2018 1:34:01 PM



#58
 2-Chloroethyl Vinyl ether
 Concen: 87.99 ug/l
 RT: 9.93 min Scan# 1369
 Delta R.T. 0.00 min
 Lab File: VW000965.D
 Acq: 24 Jan 2018 23:10

Tgt Ion: 63 Resp: 94847
 Ion Ratio Lower Upper
 63 100
 106 31.3 23.8 35.8





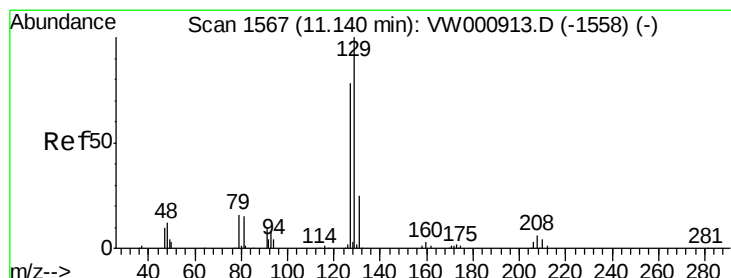
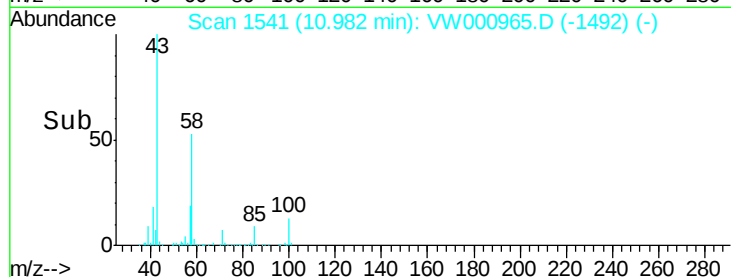
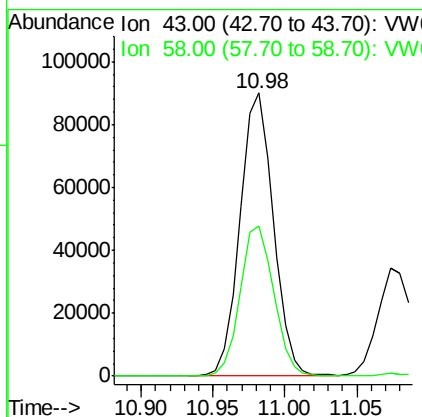
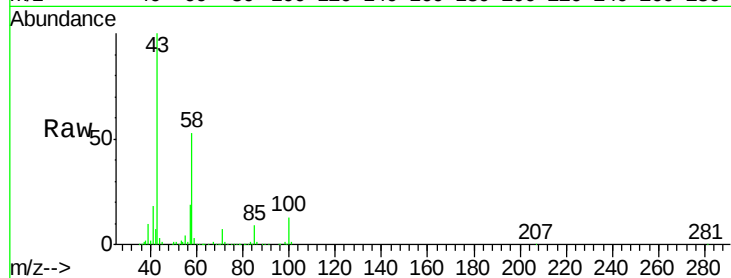
#59
2-Hexanone
Concen: 103.38 ug/l
RT: 10.98 min Scan# 1541
Delta R.T. 0.00 min
Lab File: VW000965.D
Acq: 24 Jan 2018 23:10

Instrument :
MSVOA_W
ClientSampleId :
VW0124SBS02

Tot Ion: 43 Resp: 144751
Ion Ratio Lower Upper
43 100
58 53.6 27.4 82.2

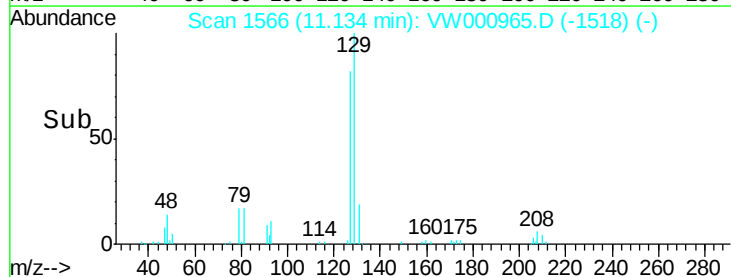
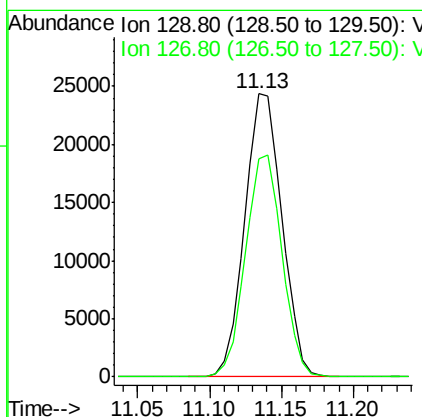
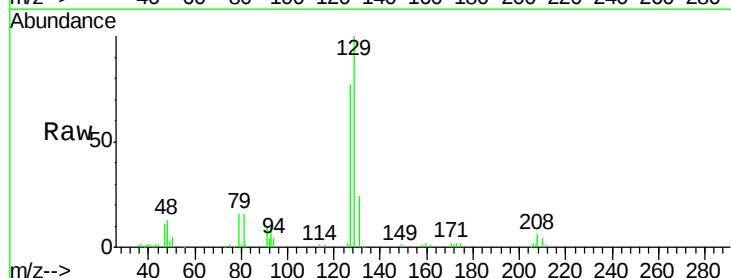
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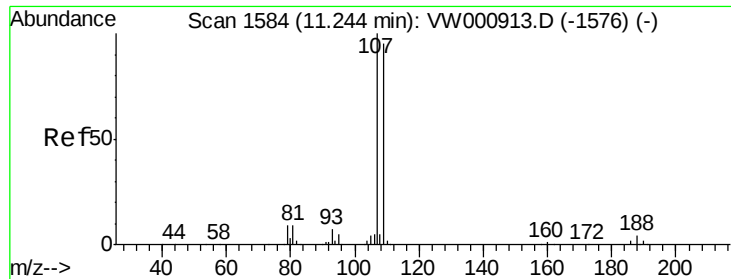
MMDadoda
1/25/2018 1:34:01 PM



#60
Dibromochloromethane
Concen: 20.09 ug/l
RT: 11.13 min Scan# 1566
Delta R.T. -0.01 min
Lab File: VW000965.D
Acq: 24 Jan 2018 23:10

Tgt Ion: 129 Resp: 43589
Ion Ratio Lower Upper
129 100
127 76.7 38.4 115.2





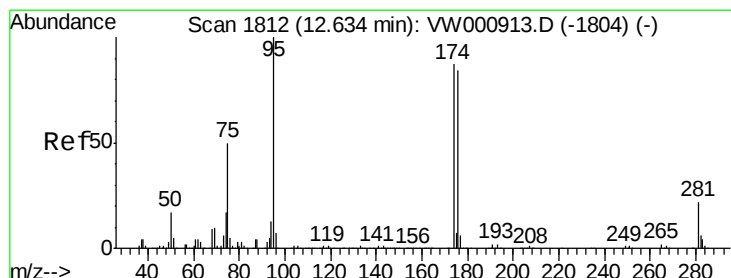
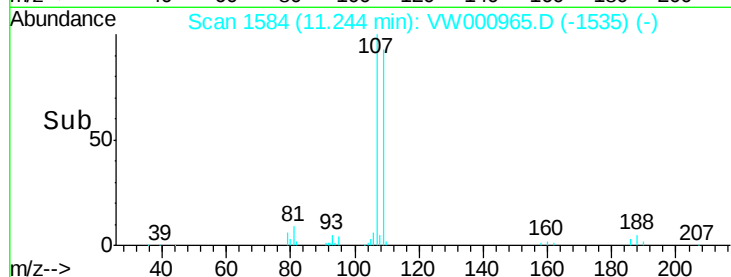
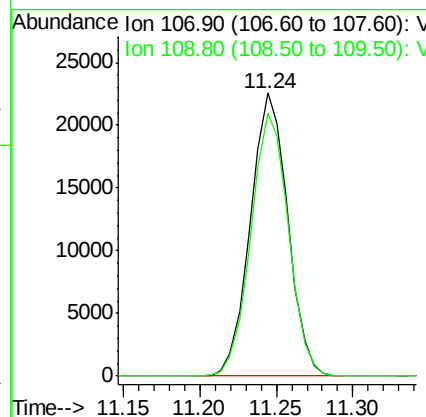
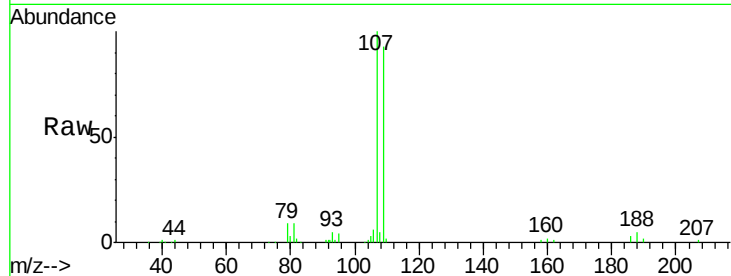
#61
 1,2-Dibromoethane
 Concen: 20.47 ug/l
 RT: 11.24 min Scan# 1584
 Delta R.T. 0.00 min
 Lab File: VW000965.D
 Acq: 24 Jan 2018 23:10

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0124SBS02

Tot Ion: 107 Resp: 38311
 Ion Ratio Lower Upper
 107 100
 109 93.5 76.0 114.0

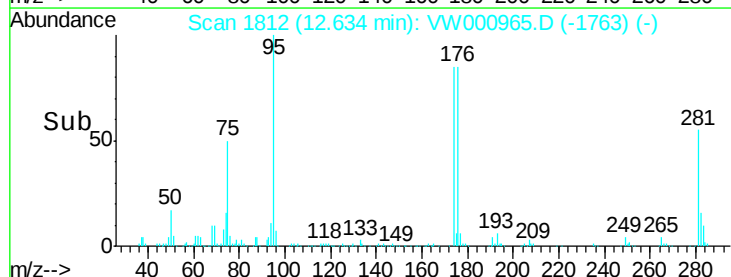
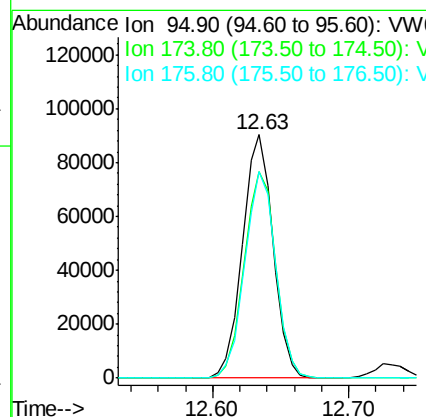
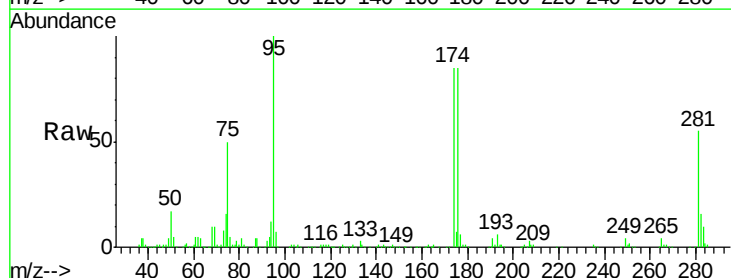
Manual Integrations
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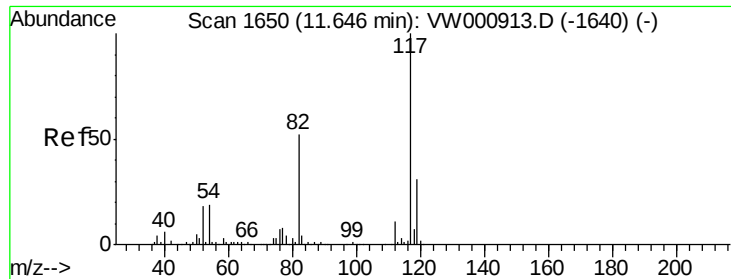
MMDadoda
 1/25/2018 1:34:01 PM



#62
 4-Bromofluorobenzene
 Concen: 48.45 ug/l
 RT: 12.63 min Scan# 1812
 Delta R.T. 0.00 min
 Lab File: VW000965.D
 Acq: 24 Jan 2018 23:10

Tgt Ion: 95 Resp: 141729
 Ion Ratio Lower Upper
 95 100
 174 87.2 0.0 176.8
 176 85.6 0.0 171.8





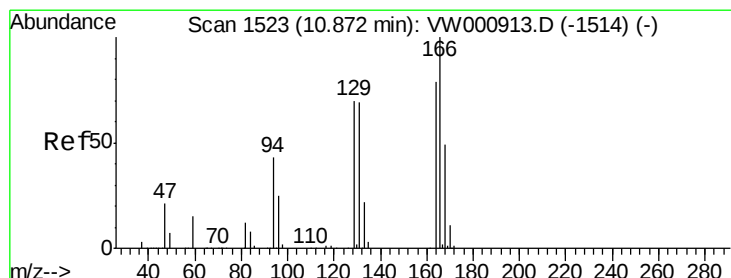
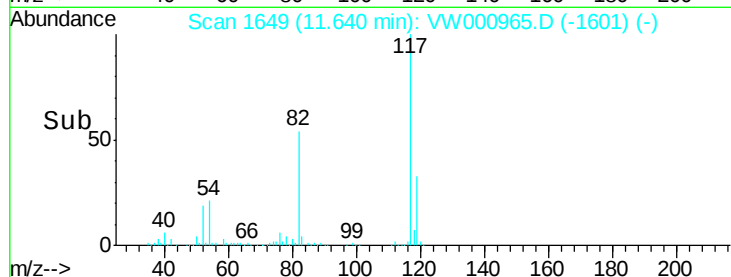
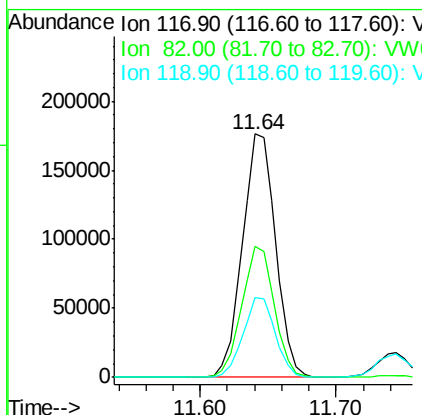
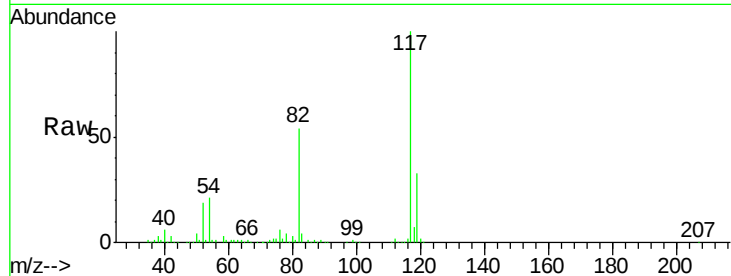
#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.64 min Scan# 1649
Delta R.T. -0.01 min
Lab File: VW000965.D
Acq: 24 Jan 2018 23:10

Instrument :
MSVOA_W
ClientSampleId :
VW0124SBS02

Tot Ion	Ratio	Resp	Lower	Upper
117	100	301297		
82	54.1		41.8	62.6
119	32.5		25.2	37.8

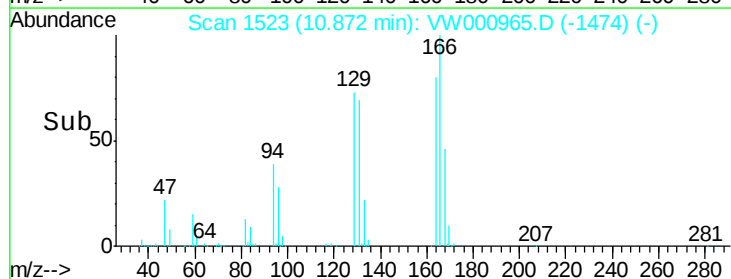
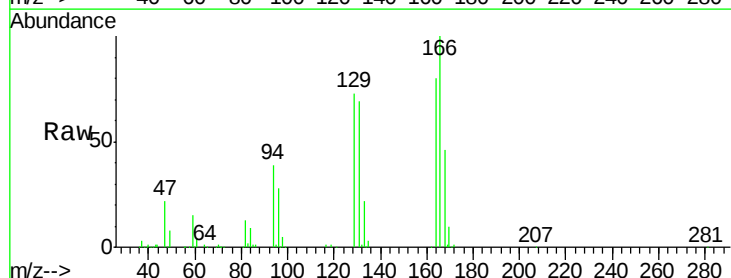
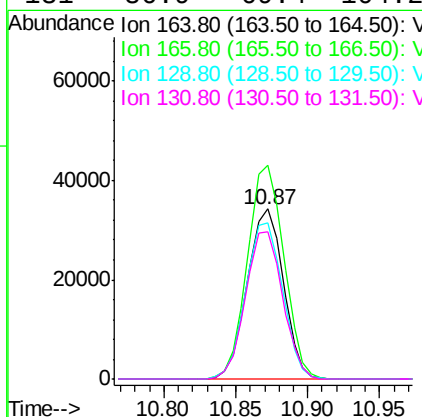
Manual Integrations
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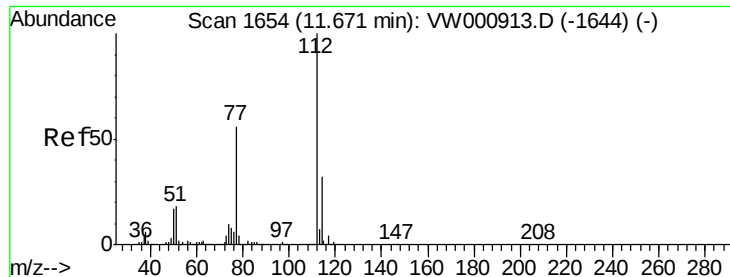
MMDadoda
1/25/2018 1:34:01 PM



#64
Tetrachloroethene
Concen: 23.84 ug/l
RT: 10.87 min Scan# 1523
Delta R.T. 0.00 min
Lab File: VW000965.D
Acq: 24 Jan 2018 23:10

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	59614		
166	125.8		100.9	151.3
129	91.7		70.5	105.7
131	86.9		69.4	104.2





#65

Chlorobenzene

Concen: 20.50 ug/l

RT: 11.67 min Scan# 1654

Delta R.T. 0.00 min

Lab File: VW000965.D

Acq: 24 Jan 2018 23:10

Instrument :

MSVOA_W

ClientSampleId :

VW0124SBS02

Tot Ion:112 Resp: 126692

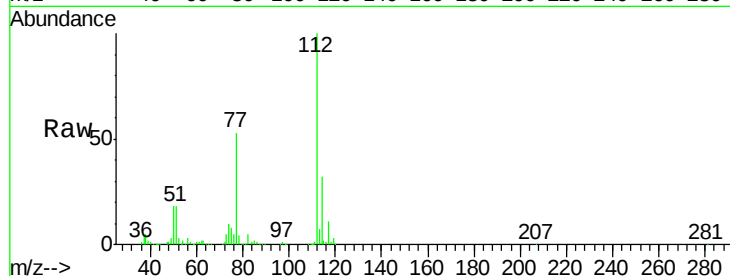
Ion Ratio Lower Upper

112 100

114 32.5 25.8 38.6

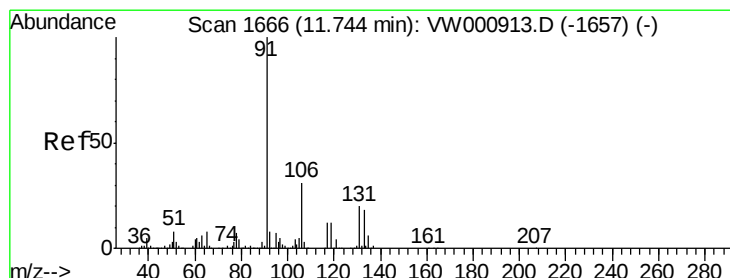
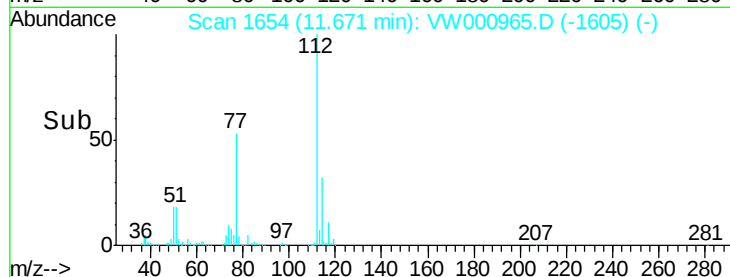
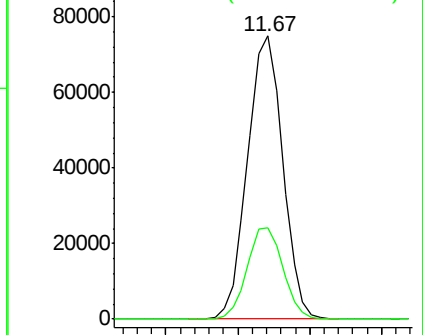
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Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V



#66

1,1,1,2-Tetrachloroethane

Concen: 20.50 ug/l

RT: 11.74 min Scan# 1666

Delta R.T. 0.00 min

Lab File: VW000965.D

Acq: 24 Jan 2018 23:10

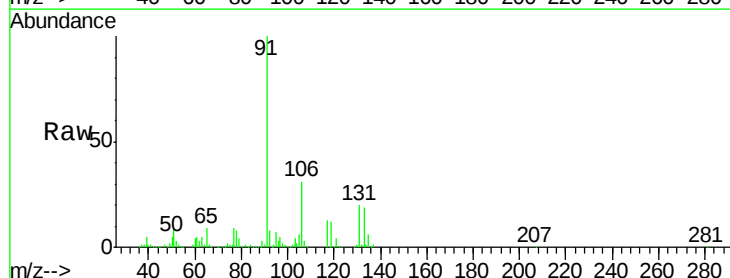
Tgt Ion:131 Resp: 45505

Ion Ratio Lower Upper

131 100

133 95.1 47.3 142.0

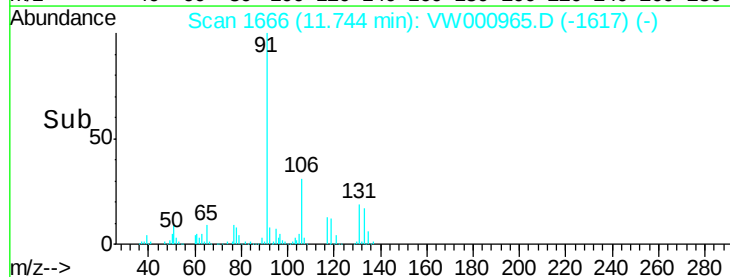
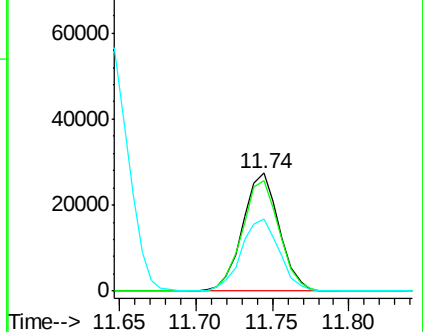
119 63.4 31.6 94.7

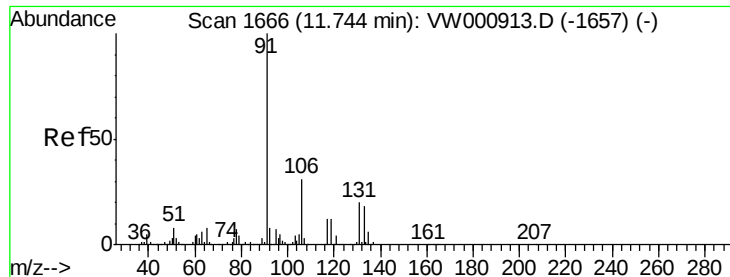


Abundance Ion 130.80 (130.50 to 131.50): V

Ion 132.80 (132.50 to 133.50): V

Ion 118.80 (118.50 to 119.50): V





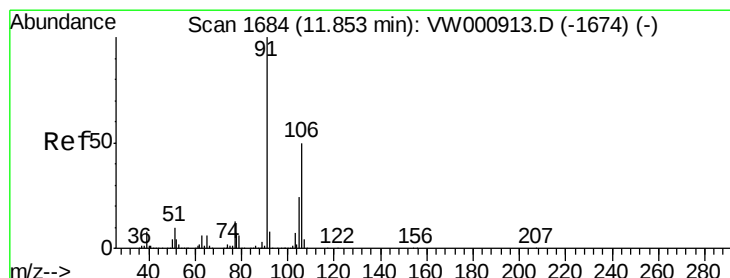
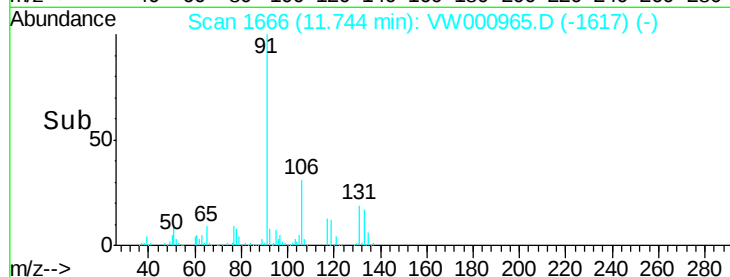
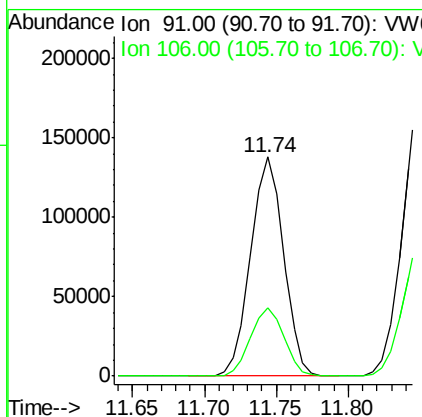
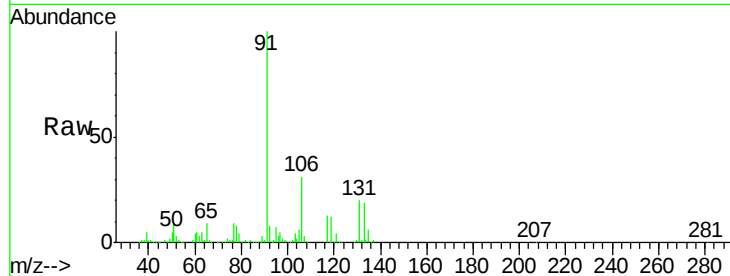
#67
Ethyl Benzene
Concen: 20.90 ug/l
RT: 11.74 min Scan# 1666
Delta R.T. 0.00 min
Lab File: VW000965.D
Acq: 24 Jan 2018 23:10

Instrument :
MSVOA_W
ClientSampleId :
VW0124SBS02

Tot Ion: 91 Resp: 218242
Ion Ratio Lower Upper
91 100
106 31.5 25.1 37.7

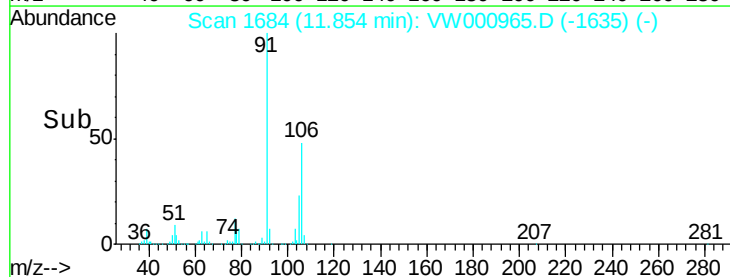
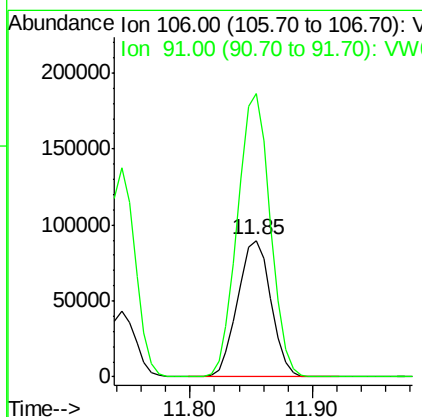
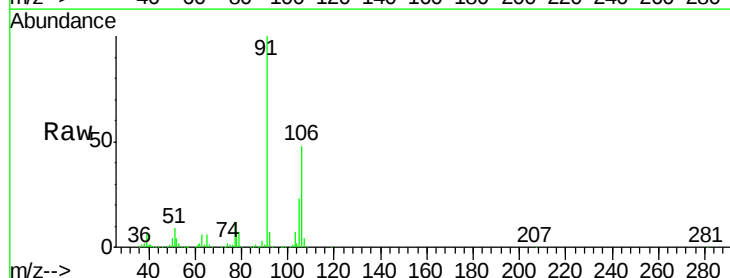
Manual Integrations
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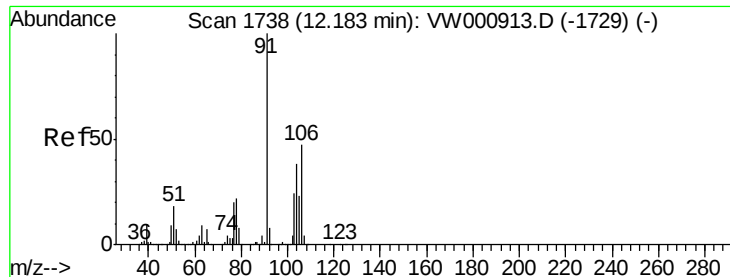
MMDadoda
1/25/2018 1:34:01 PM



#68
m/p-Xylenes
Concen: 41.98 ug/l
RT: 11.85 min Scan# 1684
Delta R.T. 0.00 min
Lab File: VW000965.D
Acq: 24 Jan 2018 23:10

Tgt Ion: 106 Resp: 170388
Ion Ratio Lower Upper
106 100
91 203.6 161.9 242.9





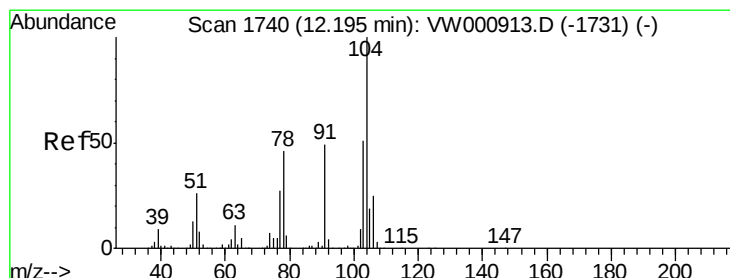
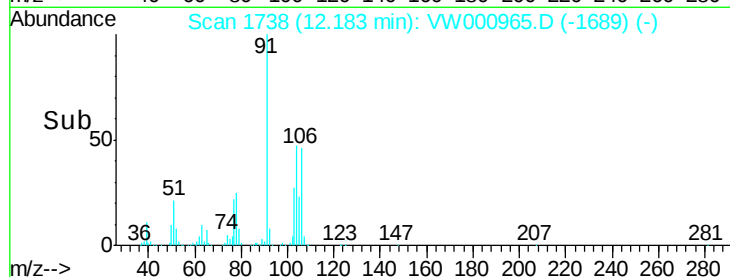
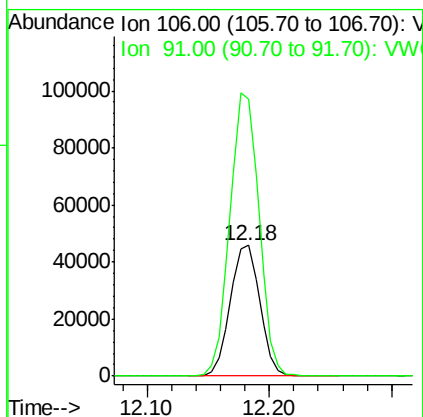
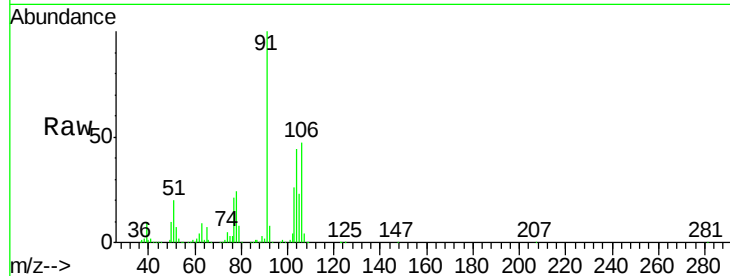
#69
o-Xylene
Concen: 20.55 ug/l
RT: 12.18 min Scan# 1738
Delta R.T. 0.00 min
Lab File: VW000965.D
Acq: 24 Jan 2018 23:10

Instrument :
MSVOA_W
ClientSampled :
VW0124SBS02

Tot Ion:106 Resp: 76491
Ion Ratio Lower Upper
106 100
91 213.7 106.3 318.8

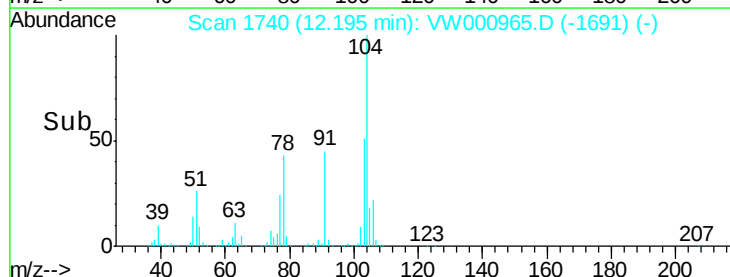
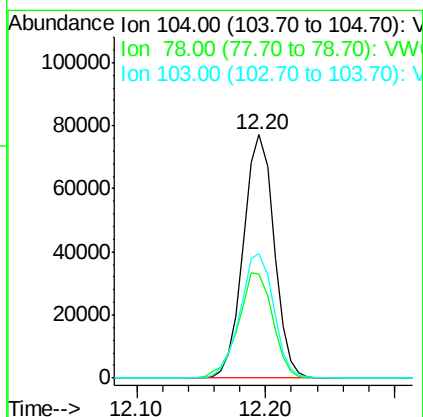
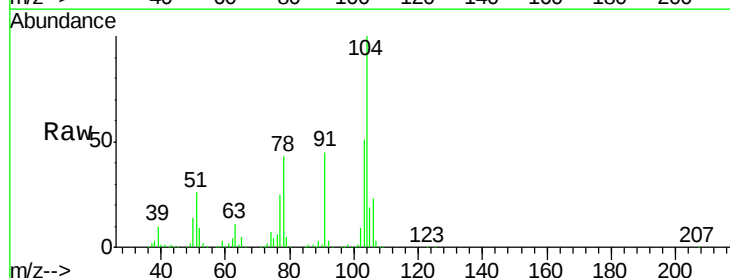
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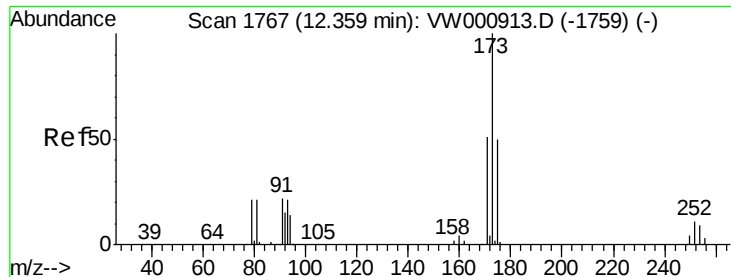
MMDadoda
1/25/2018 1:34:01 PM



#70
Styrene
Concen: 21.00 ug/l
RT: 12.20 min Scan# 1740
Delta R.T. 0.00 min
Lab File: VW000965.D
Acq: 24 Jan 2018 23:10

Tgt Ion:104 Resp: 127398
Ion Ratio Lower Upper
104 100
78 48.5 40.1 60.1
103 55.8 44.6 66.8





#71

Bromoform

Concen: 20.07 ug/l

RT: 12.36 min Scan# 1767

Delta R.T. 0.00 min

Lab File: VW000965.D

Acq: 24 Jan 2018 23:10

Instrument :

MSVOA_W

ClientSampleId :

VW0124SBS02

Tot Ion:173 Resp: 30224

Ion Ratio Lower Upper

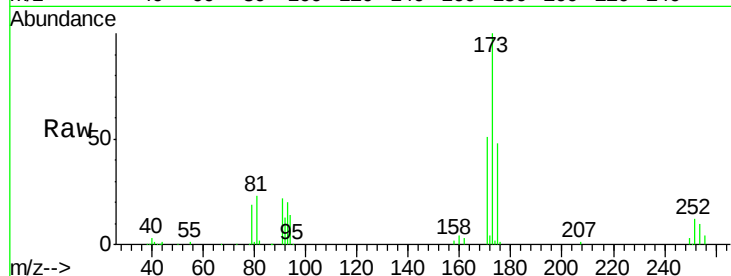
173 100

175 48.9 24.7 74.1

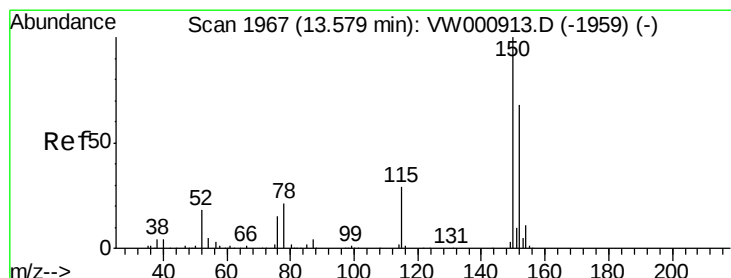
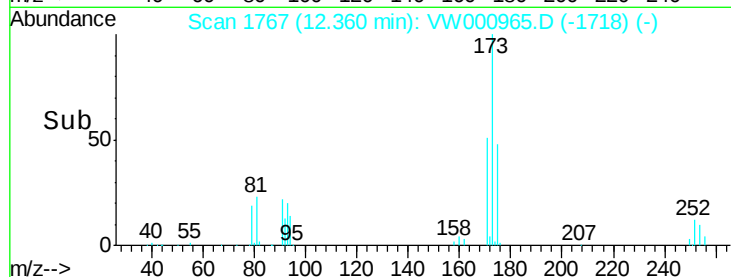
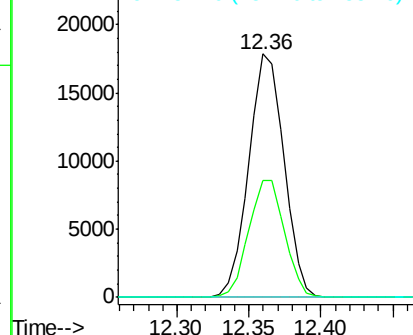
254 0.1 0.2 0.2#

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



#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

RT: 13.57 min Scan# 1966

Delta R.T. -0.01 min

Lab File: VW000965.D

Acq: 24 Jan 2018 23:10

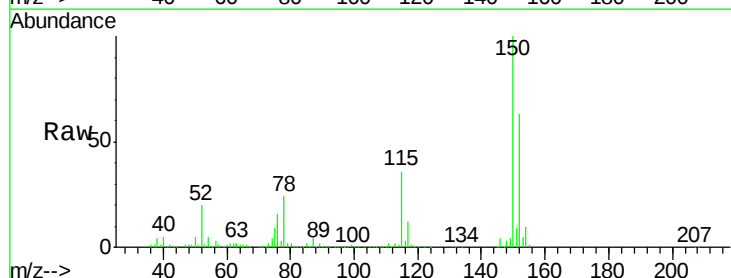
Tgt Ion:152 Resp: 159791

Ion Ratio Lower Upper

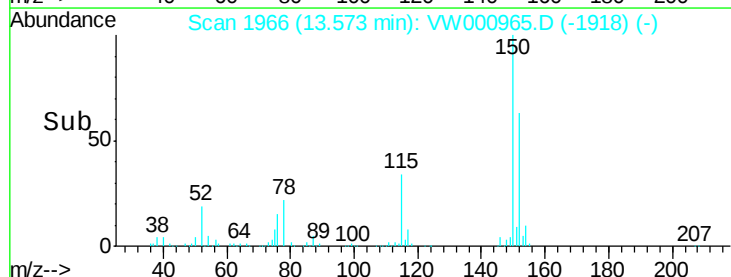
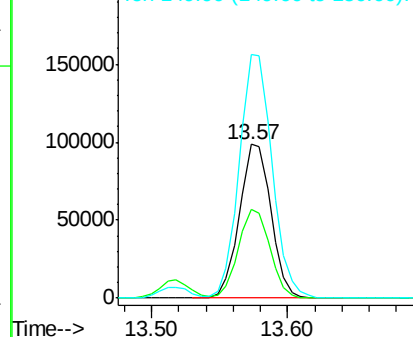
152 100

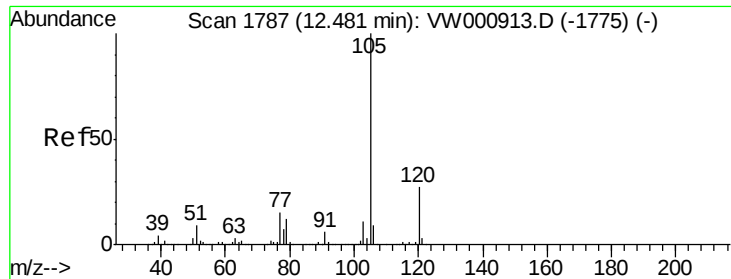
115 57.6 28.5 85.5

150 165.0 0.0 342.0



Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 21.94 ug/l

RT: 12.48 min Scan# 1787

Delta R.T. 0.00 min

Lab File: VW000965.D

Acq: 24 Jan 2018 23:10

Instrument :

MSVOA_W

ClientSampleId :

VW0124SBS02

Tot Ion:105 Resp: 226526

Ion Ratio Lower Upper

105 100

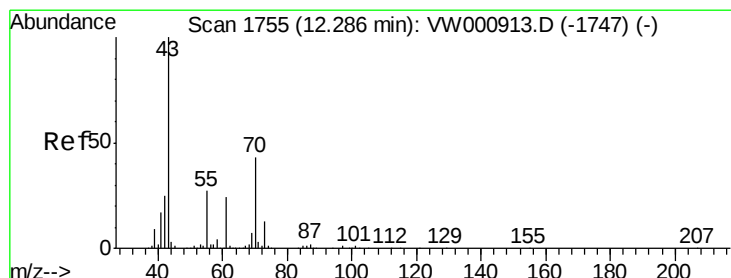
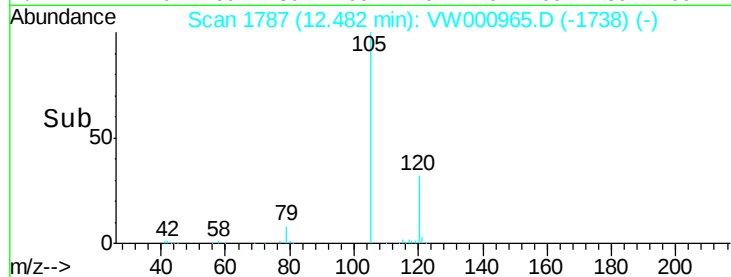
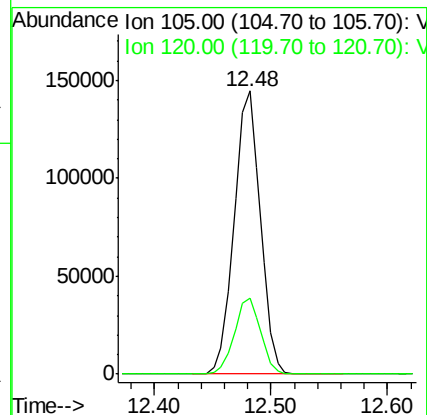
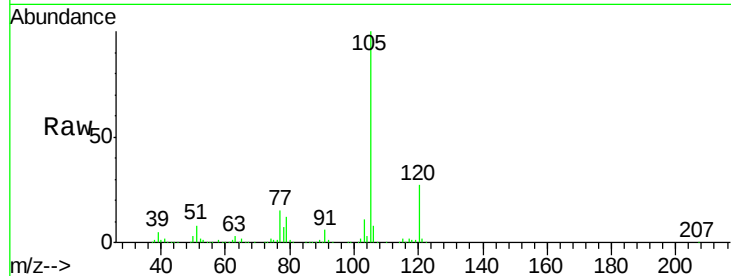
120 26.9 13.3 39.9

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#74

N-ethyl acetate

Concen: 21.55 ug/l

RT: 12.29 min Scan# 1755

Delta R.T. 0.00 min

Lab File: VW000965.D

Acq: 24 Jan 2018 23:10

Tgt Ion: 43 Resp: 54030

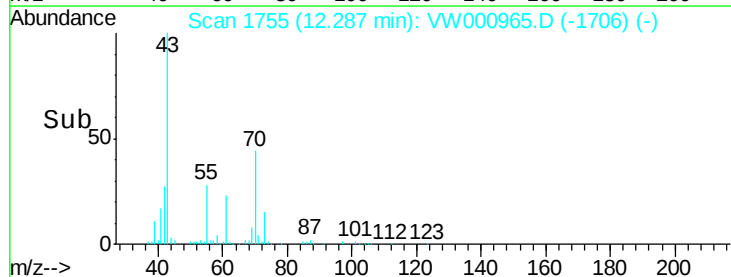
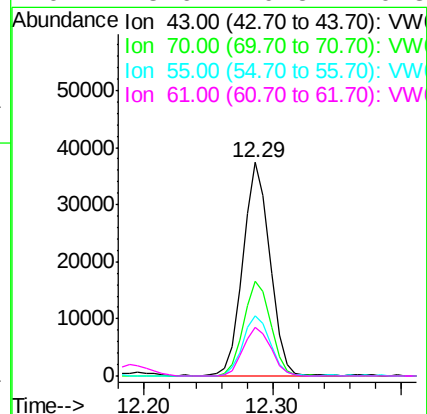
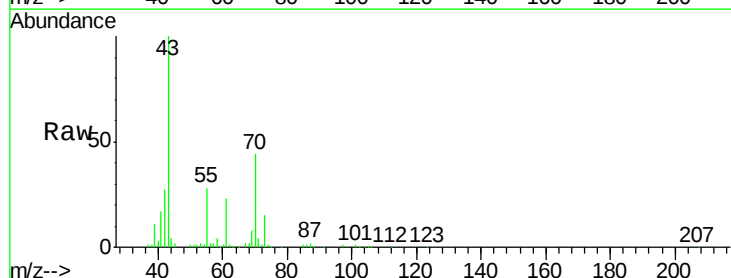
Ion Ratio Lower Upper

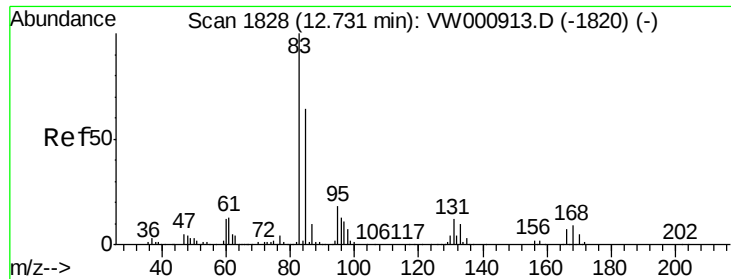
43 100

70 44.8 35.8 53.8

55 28.9 21.4 32.2

61 23.6 19.5 29.3





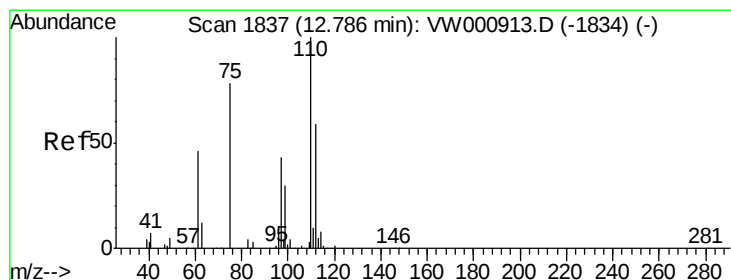
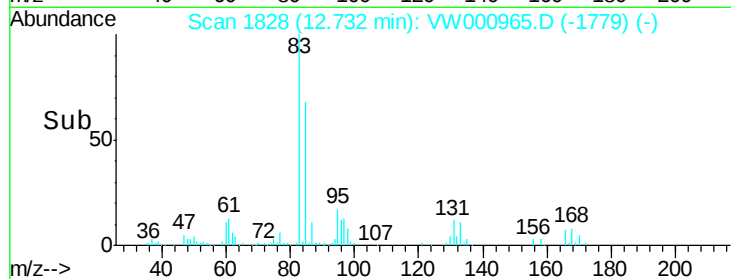
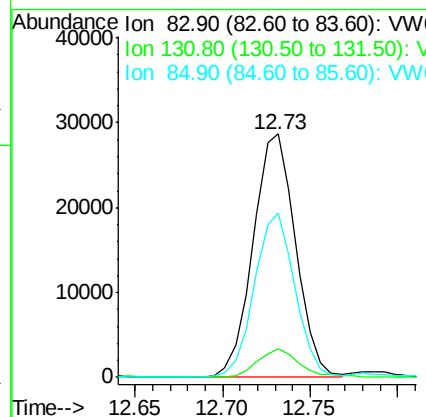
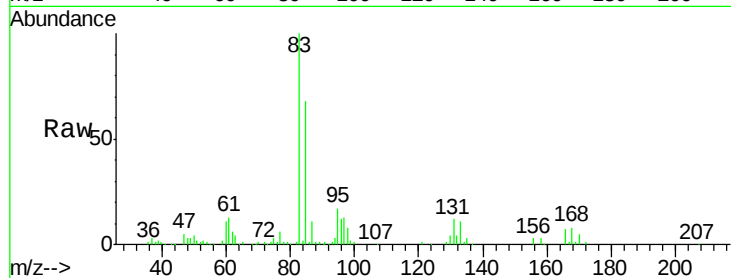
#75
 1,1,2,2-Tetrachloroethane
 Concen: 21.95 ug/l
 RT: 12.73 min Scan# 1828
 Delta R.T. 0.00 min
 Lab File: VW000965.D
 Acq: 24 Jan 2018 23:10

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0124SBS02

Tot Ion	83	Resp	48429
Ion Ratio	100	Lower	Upper
83	100		
131	11.6	5.9	17.7
85	64.4	32.6	97.7

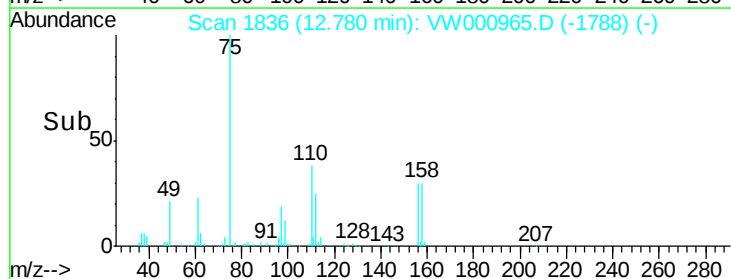
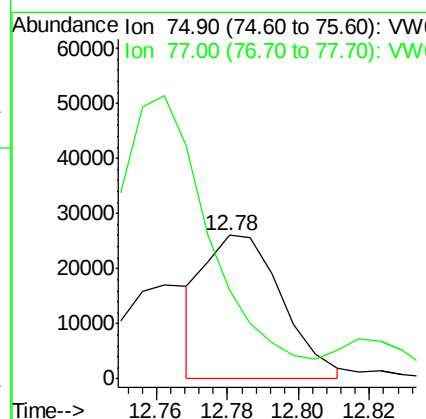
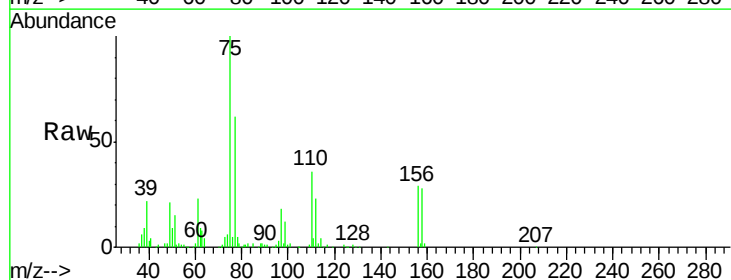
Manual Integrations
 APPROVED

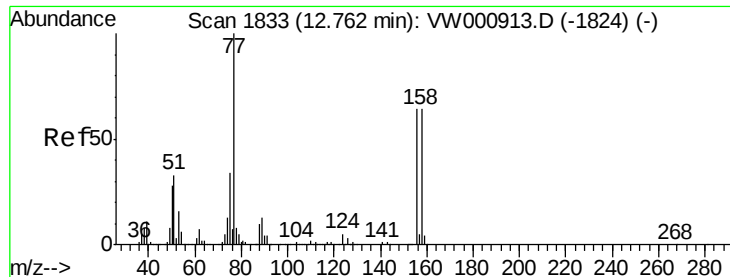
MMDadoda
 1/25/2018 1:34:01 PM



#76
 1,2,3-Trichloropropane
 Concen: 21.47 ug/l m
 RT: 12.78 min Scan# 1836
 Delta R.T. -0.01 min
 Lab File: VW000965.D
 Acq: 24 Jan 2018 23:10

Tgt Ion	75	Resp	39697
Ion Ratio	100	Lower	Upper
75	100		
77	248.1	0.0	0.0#





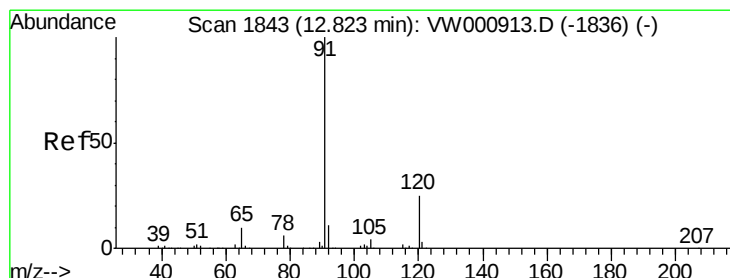
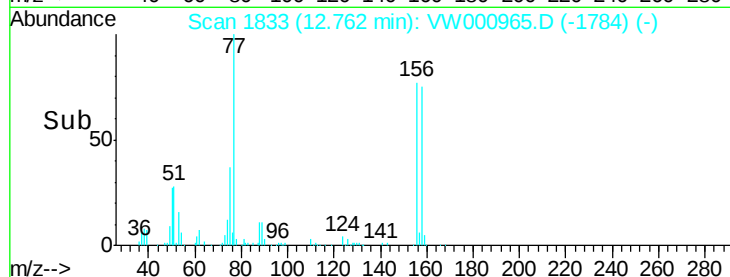
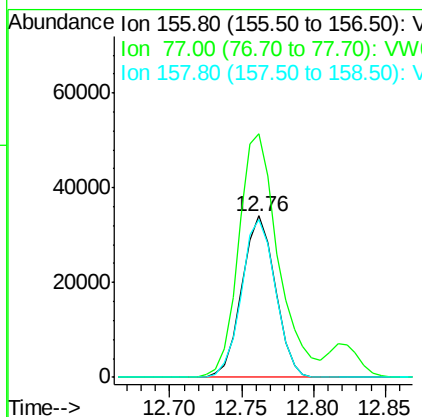
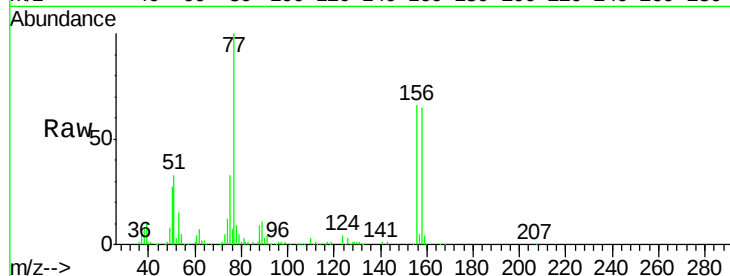
#77
Bromobenzene
Concen: 20.91 ug/l
RT: 12.76 min Scan# 1833
Delta R.T. 0.00 min
Lab File: VW000965.D
Acq: 24 Jan 2018 23:10

Instrument :
MSVOA_W
ClientSampleId :
VW0124SBS02

Tot Ion	Ratio	Lower	Upper
156	100		
77	179.3	89.0	267.1
158	99.0	48.9	146.8

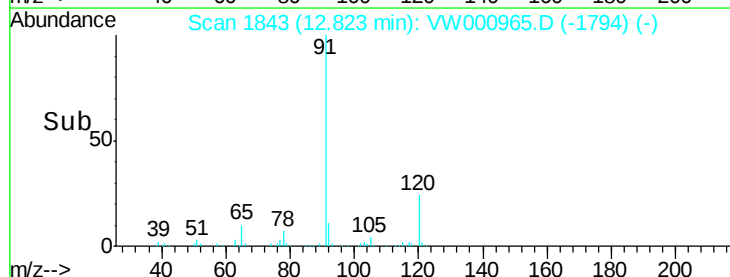
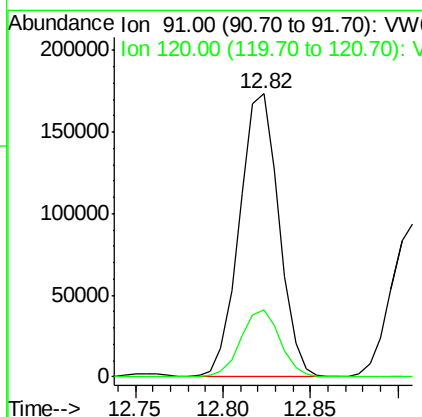
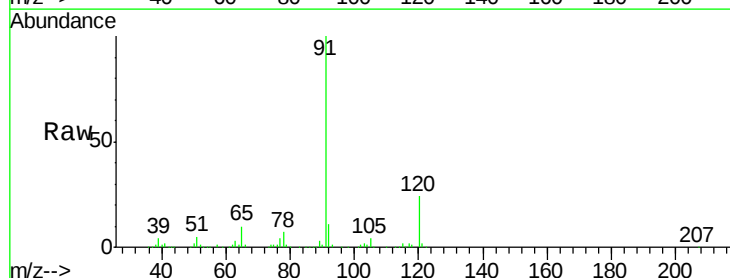
Manual Integrations
APPROVED

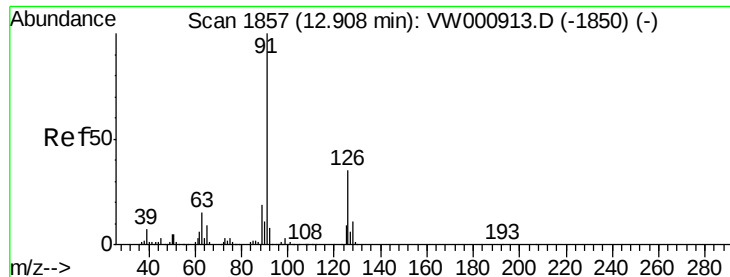
MMDadoda
1/25/2018 1:34:01 PM



#78
n-propylbenzene
Concen: 21.79 ug/l
RT: 12.82 min Scan# 1843
Delta R.T. 0.00 min
Lab File: VW000965.D
Acq: 24 Jan 2018 23:10

Tgt Ion	Ratio	Lower	Upper
91	100		
120	23.6	12.0	36.1





#79

2-Chlorotoluene

Concen: 21.42 ug/l

RT: 12.91 min Scan# 1857

Delta R.T. 0.00 min

Lab File: VW000965.D

Acq: 24 Jan 2018 23:10

Instrument :

MSVOA_W

ClientSampled :

VW0124SBS02

Tot Ion: 91 Resp: 150510

Ion Ratio Lower Upper

91 100

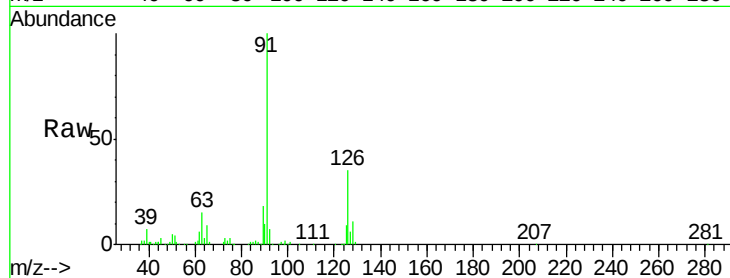
126 35.5 17.6 52.8

Manual Integrations

APPROVED

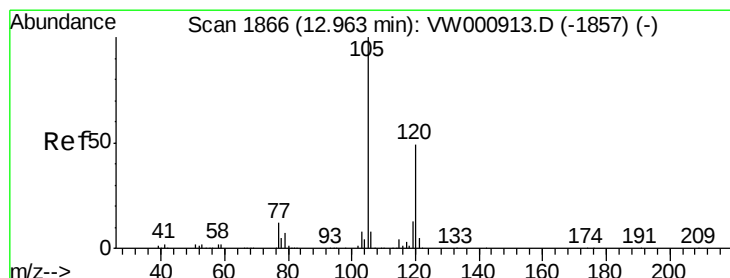
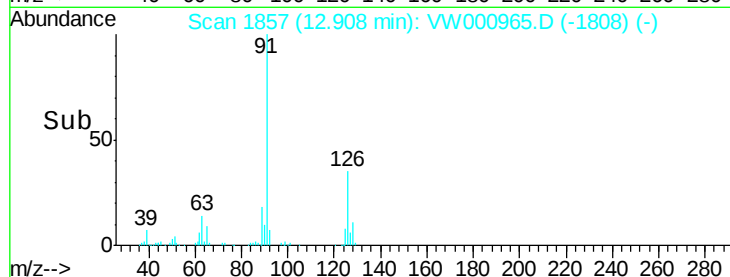
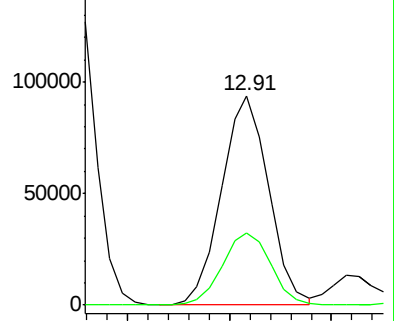
MMDadoda

1/25/2018 1:34:01 PM



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 125.90 (125.60 to 126.60): V



#80

1,3,5-Trimethylbenzene

Concen: 21.54 ug/l

RT: 12.96 min Scan# 1866

Delta R.T. 0.00 min

Lab File: VW000965.D

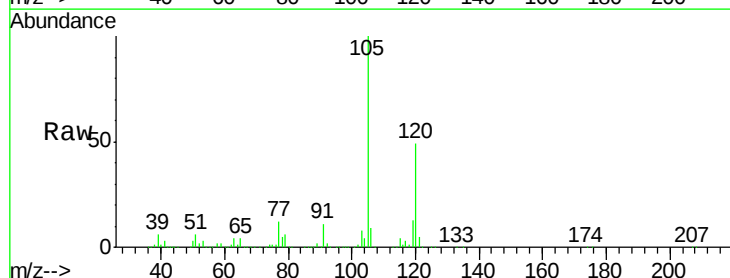
Acq: 24 Jan 2018 23:10

Tgt Ion:105 Resp: 189177

Ion Ratio Lower Upper

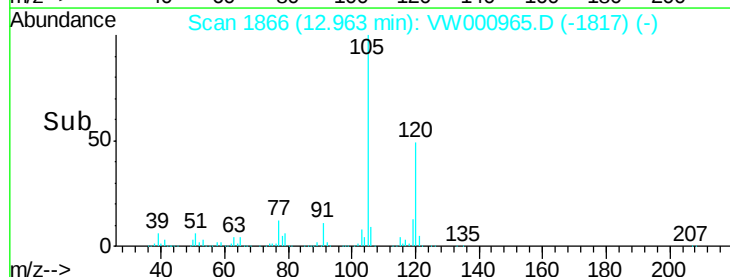
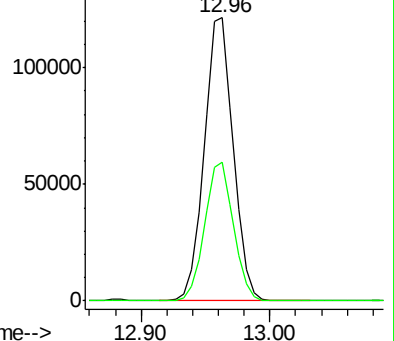
105 100

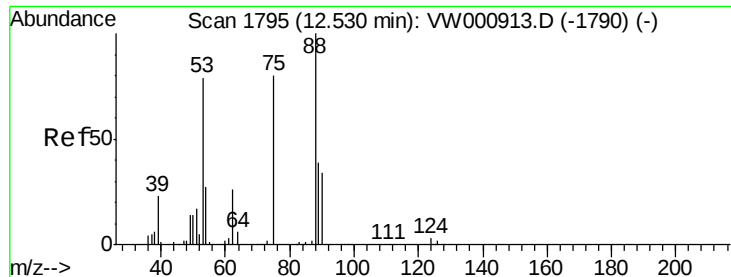
120 48.7 24.3 72.9



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





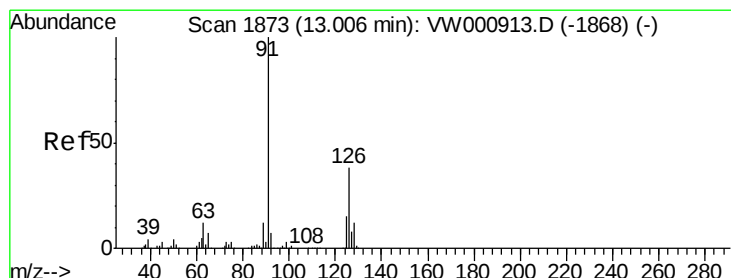
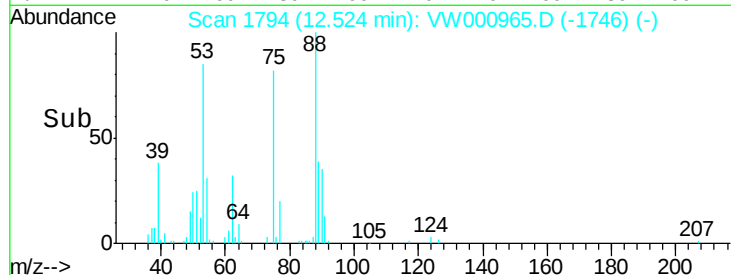
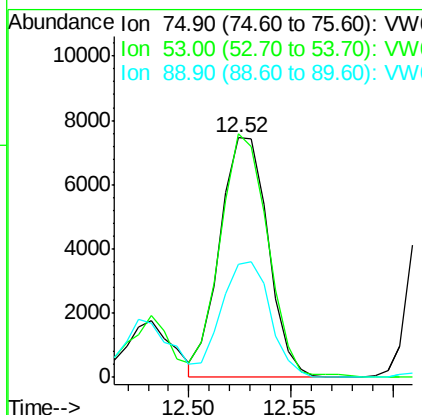
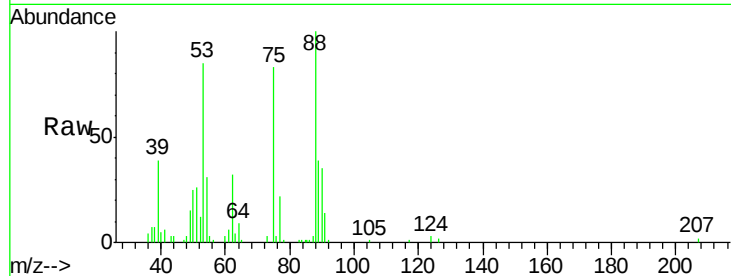
#81
trans-1,4-Dichloro-2-butene
Concen: 19.67 ug/l
RT: 12.52 min Scan# 1794
Delta R.T. -0.01 min
Lab File: VW000965.D
Acq: 24 Jan 2018 23:10

Instrument :
MSVOA_W
ClientSampleId :
VW0124SBS02

Tot Ion	Ratio	Lower	Upper
75	100		
53	100.4	77.5	116.3
89	49.4	38.2	57.4

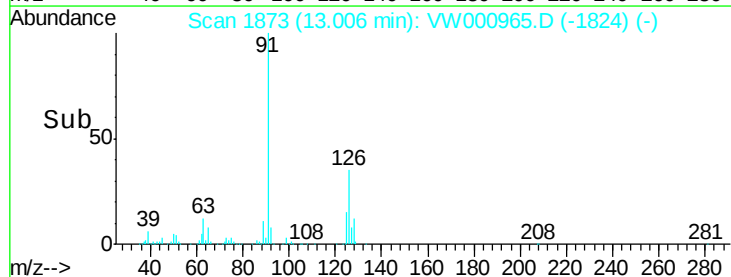
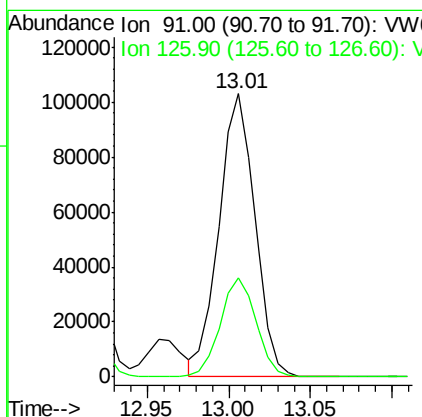
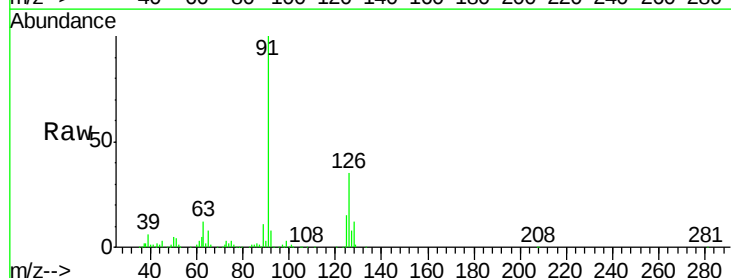
Manual Integrations
APPROVED

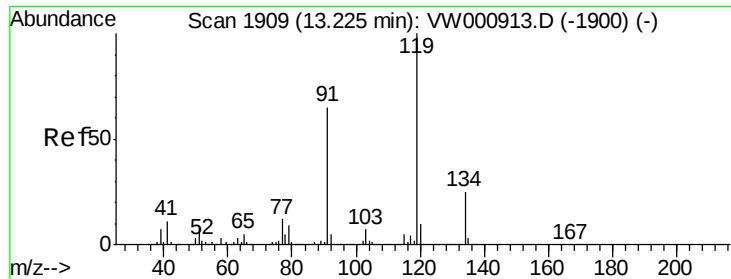
MMDadoda
1/25/2018 1:34:01 PM



#82
4-Chlorotoluene
Concen: 21.19 ug/l
RT: 13.01 min Scan# 1873
Delta R.T. 0.00 min
Lab File: VW000965.D
Acq: 24 Jan 2018 23:10

Tgt Ion	Ratio	Lower	Upper
91	100		
126	35.0	17.6	52.9





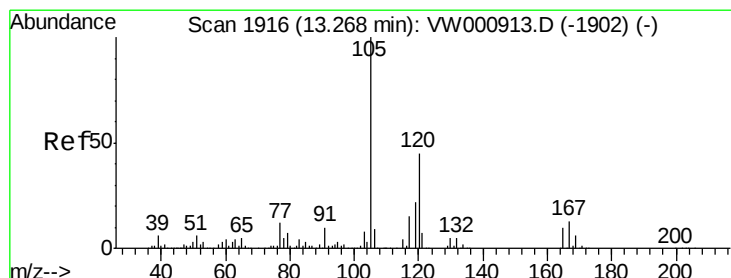
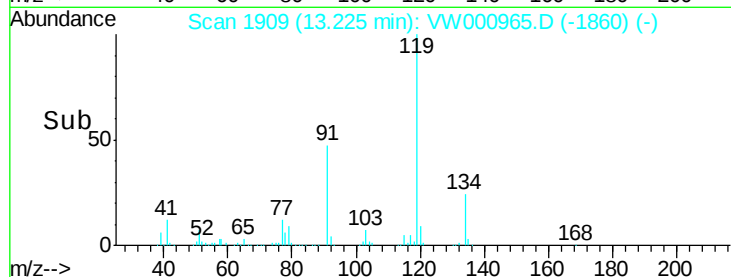
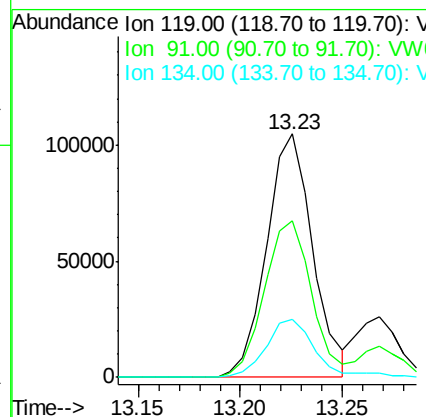
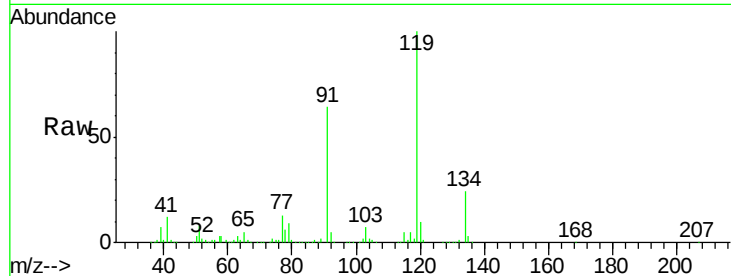
#83
tert-Butylbenzene
Concen: 21.42 ug/l
RT: 13.23 min Scan# 1909
Delta R.T. 0.00 min
Lab File: VW000965.D
Acq: 24 Jan 2018 23:10

Instrument :
MSVOA_W
ClientSampled :
VW0124SBS02

Tot Ion	Ratio	Resp	Lower	Upper
119	100	164863		
91	65.9	32.4	97.0	
134	25.8	13.1	39.3	

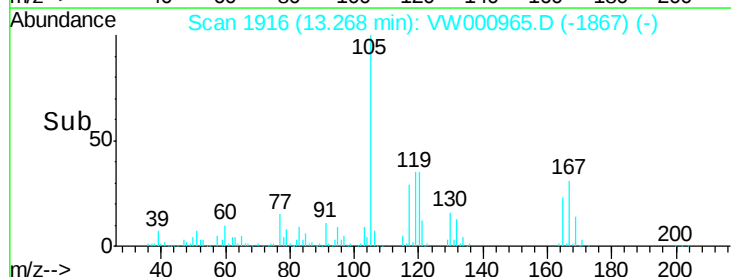
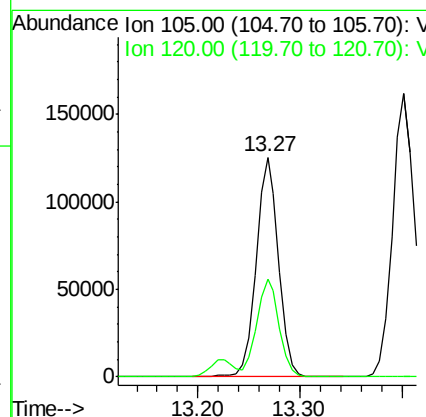
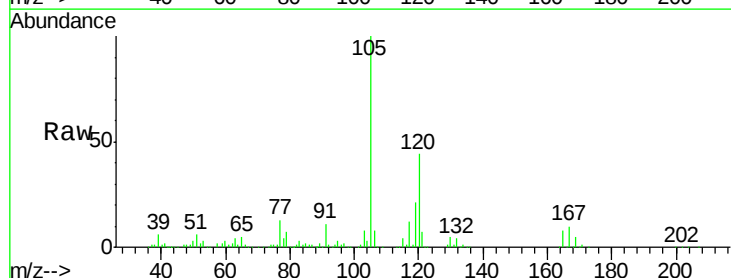
Manual Integrations
APPROVED

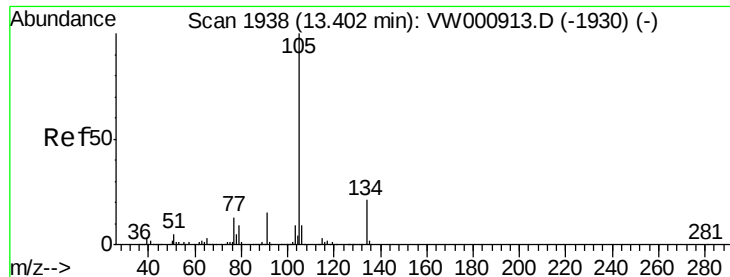
MMDadoda
1/25/2018 1:34:01 PM



#84
1,2,4-Trimethylbenzene
Concen: 21.56 ug/l
RT: 13.27 min Scan# 1916
Delta R.T. 0.00 min
Lab File: VW000965.D
Acq: 24 Jan 2018 23:10

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	191534		
120	44.5	22.4	67.0	





#85

sec-Butylbenzene

Concen: 21.99 ug/l

RT: 13.40 min Scan# 1938

Delta R.T. 0.00 min

Lab File: VW000965.D

Acq: 24 Jan 2018 23:10

Instrument :

MSVOA_W

ClientSampleId :

VW0124SBS02

Tot Ion:105 Resp: 244220

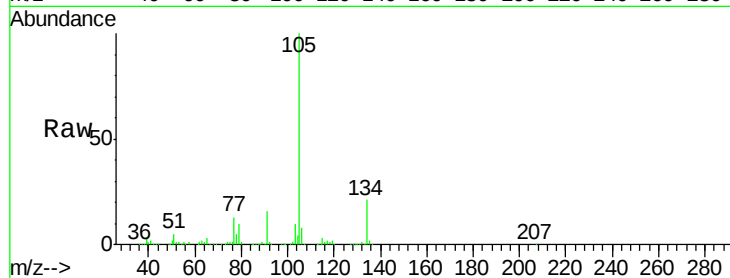
Ion Ratio Lower Upper

105 100

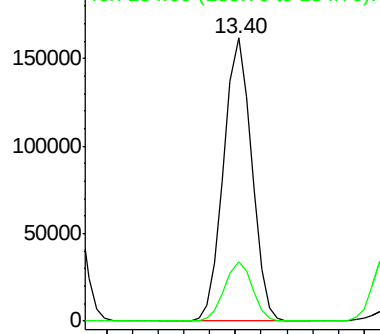
134 20.8 10.3 30.9

Manual Integrations
APPROVED

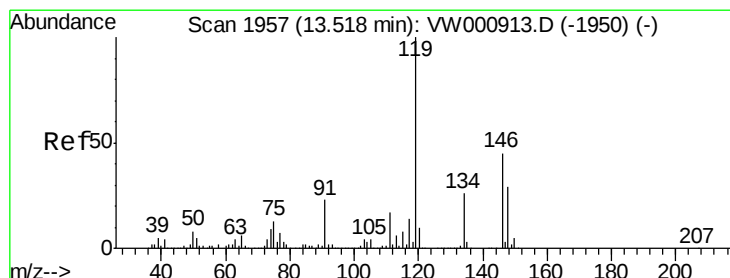
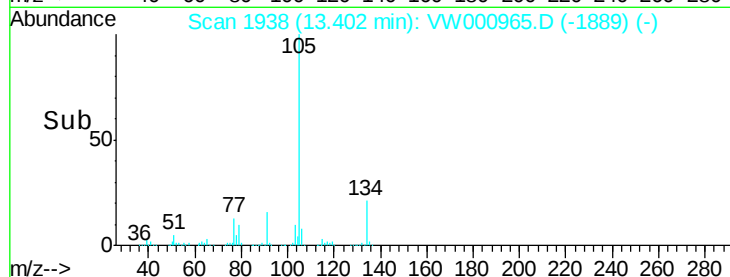
MMDadoda
1/25/2018 1:34:01 PM



Abundance Ion 105.00 (104.70 to 105.70): V
Ion 134.00 (133.70 to 134.70): V



Time-->



#86

p-Isopropyltoluene

Concen: 21.52 ug/l

RT: 13.52 min Scan# 1957

Delta R.T. 0.00 min

Lab File: VW000965.D

Acq: 24 Jan 2018 23:10

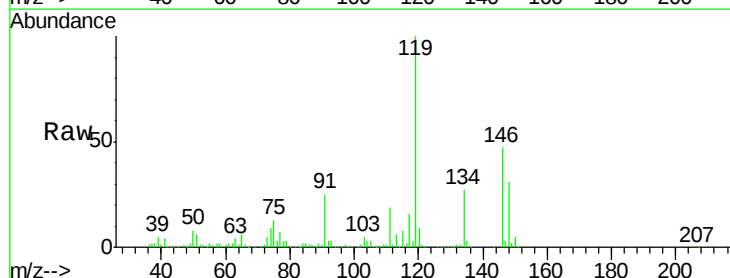
Tgt Ion:119 Resp: 211962

Ion Ratio Lower Upper

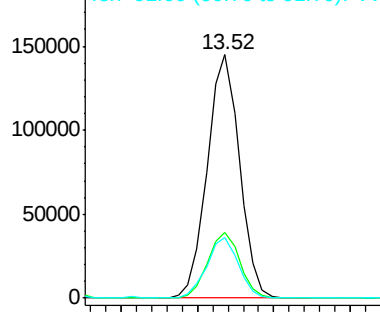
119 100

134 26.8 13.2 39.6

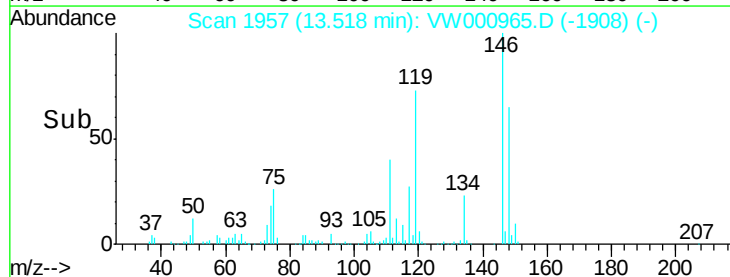
91 24.3 11.7 35.0

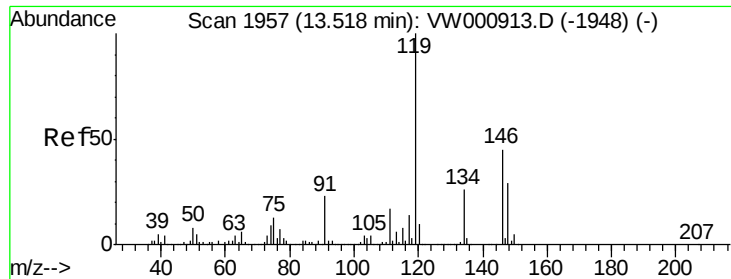


Abundance Ion 119.00 (118.70 to 119.70): V
Ion 134.00 (133.70 to 134.70): V
Ion 91.00 (90.70 to 91.70): V



Time-->





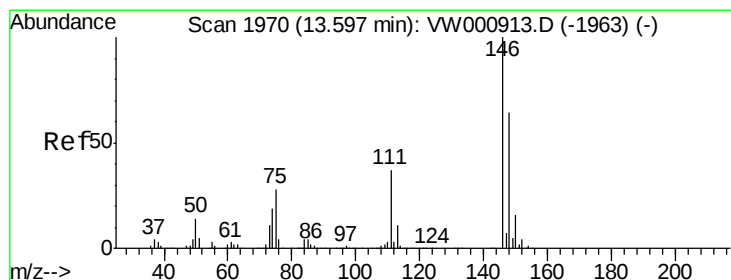
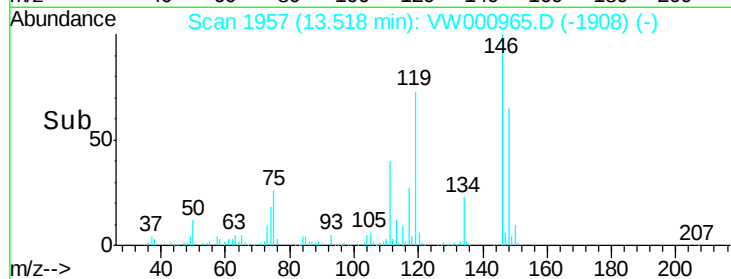
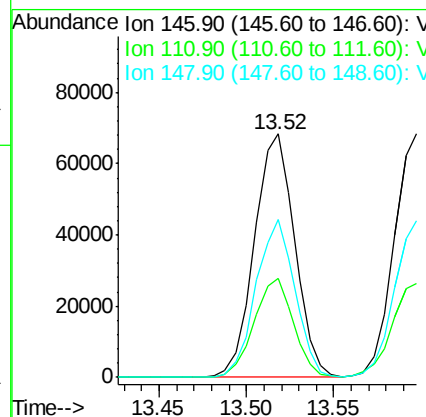
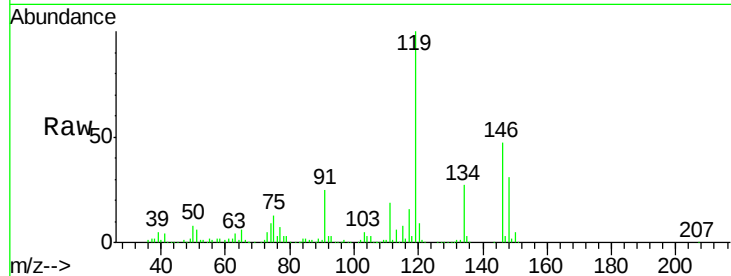
#87
 1,3-Dichlorobenzene
 Concen: 20.99 ug/l
 RT: 13.52 min Scan# 1957
 Delta R.T. 0.00 min
 Lab File: VW000965.D
 Acq: 24 Jan 2018 23:10

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0124SBS02

Tot Ion	Ratio	Lower	Upper
146	100		
111	39.9	19.7	59.0
148	62.8	32.4	97.0

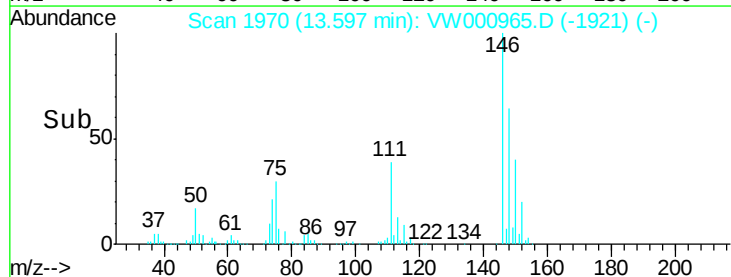
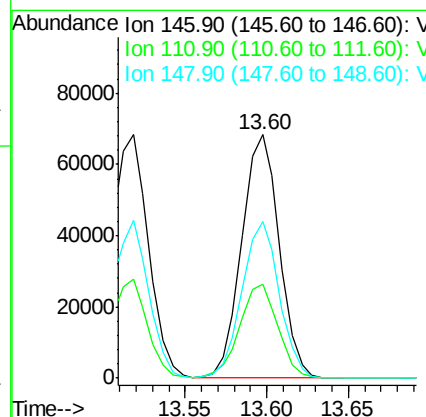
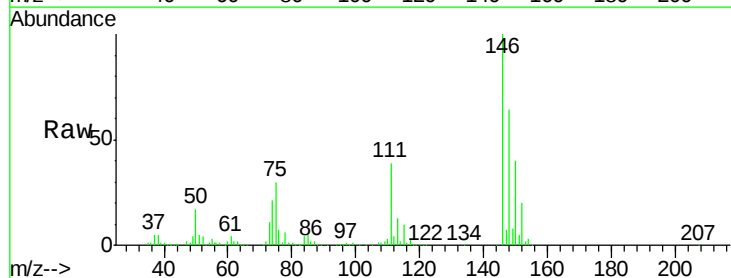
Manual Integrations
 APPROVED

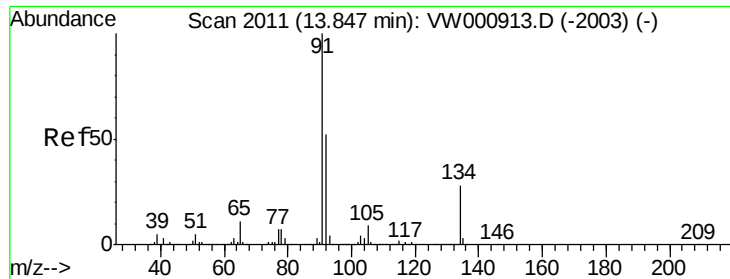
MMDadoda
 1/25/2018 1:34:01 PM



#88
 1,4-Dichlorobenzene
 Concen: 21.06 ug/l
 RT: 13.60 min Scan# 1970
 Delta R.T. 0.00 min
 Lab File: VW000965.D
 Acq: 24 Jan 2018 23:10

Tgt Ion	Ratio	Lower	Upper
146	100		
111	39.4	19.0	57.0
148	64.0	32.4	97.2





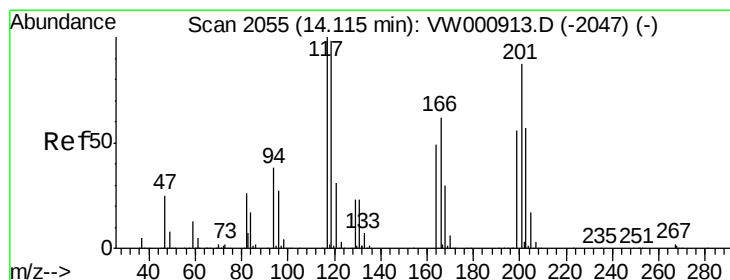
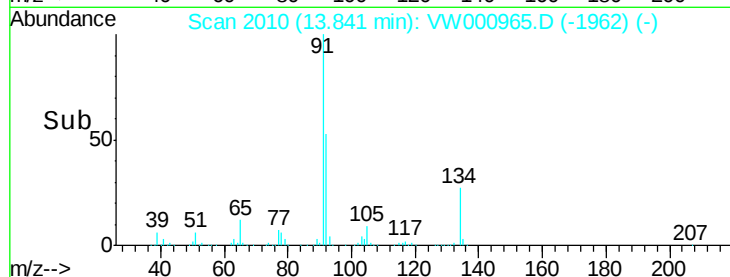
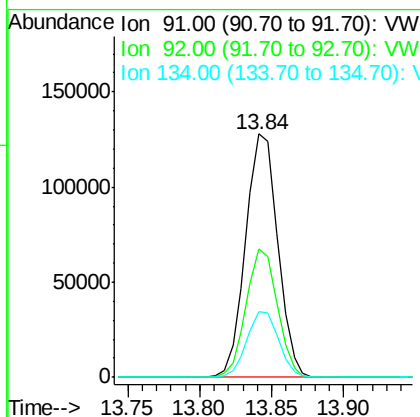
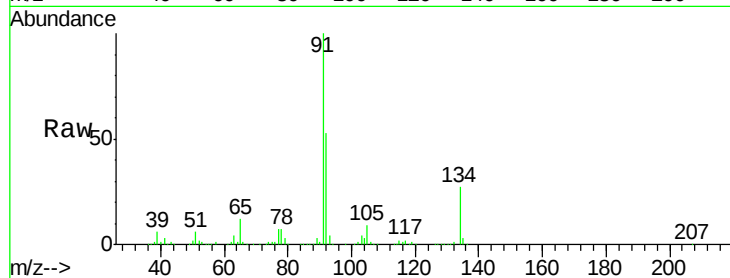
#89
n-Butylbenzene
Concen: 21.32 ug/l
RT: 13.84 min Scan# 2010
Delta R.T. -0.01 min
Lab File: VW000965.D
Acq: 24 Jan 2018 23:10

Instrument :
MSVOA_W
ClientSampleId :
VW0124SBS02

Tot Ion	Ratio	Lower	Upper
91	100		
92	51.4	26.2	78.6
134	26.7	13.7	41.1

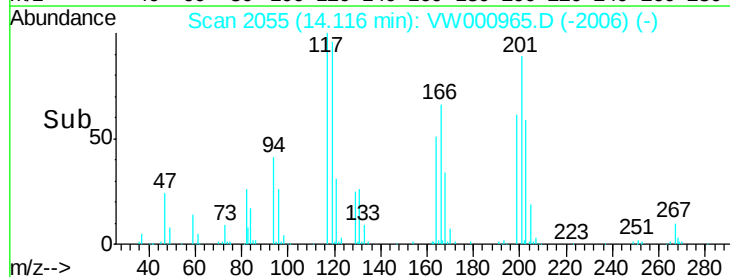
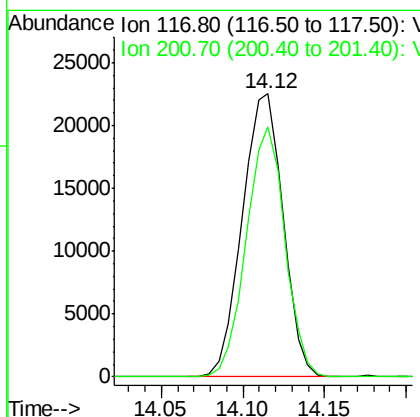
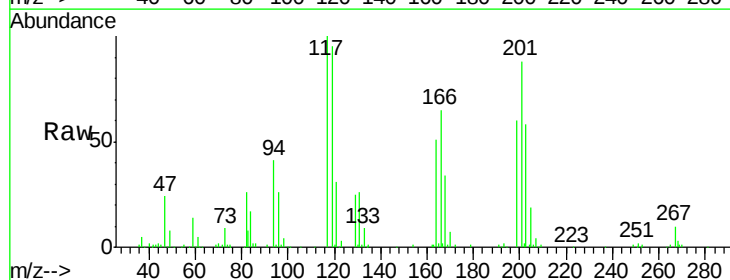
Manual Integrations
APPROVED

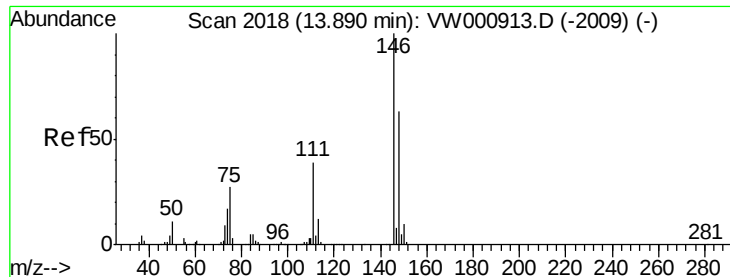
MMDadoda
1/25/2018 1:34:01 PM



#90
Hexachloroethane
Concen: 21.44 ug/l
RT: 14.12 min Scan# 2055
Delta R.T. 0.00 min
Lab File: VW000965.D
Acq: 24 Jan 2018 23:10

Tgt Ion	Ratio	Lower	Upper
117	100		
201	83.7	42.8	128.3





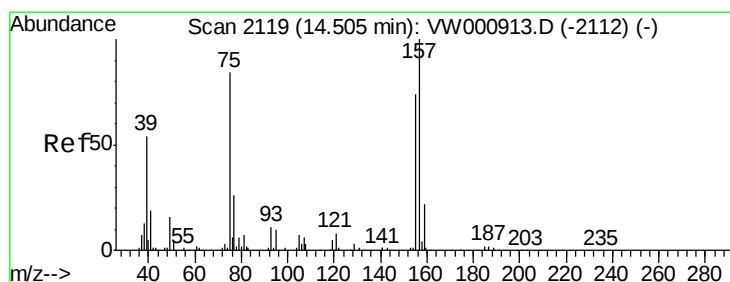
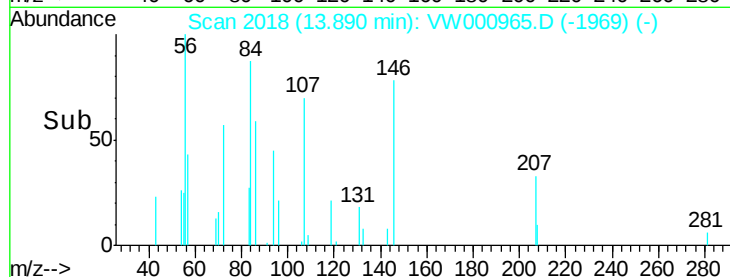
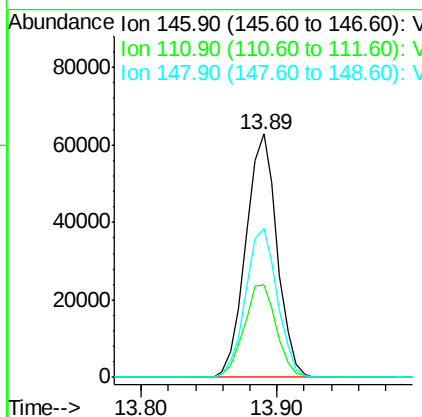
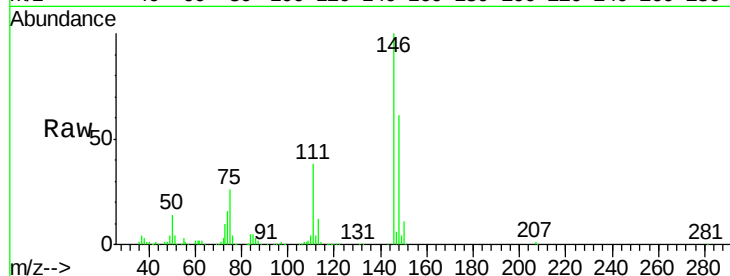
#91
 1,2-Dichlorobenzene
 Concen: 21.57 ug/l
 RT: 13.89 min Scan# 2018
 Delta R.T. 0.00 min
 Lab File: VW000965.D
 Acq: 24 Jan 2018 23:10

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0124SBS02

Tot Ion	Ratio	Resp	Lower	Upper
146	100	101212		
111	39.3	19.8	59.4	
148	62.1	31.8	95.3	

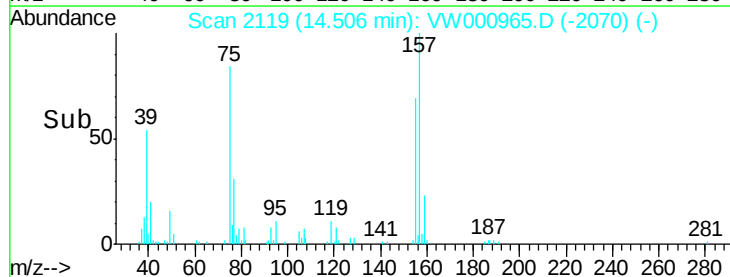
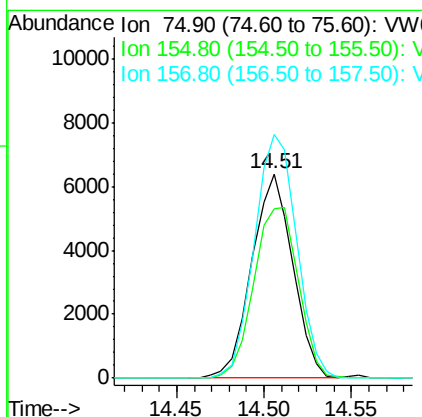
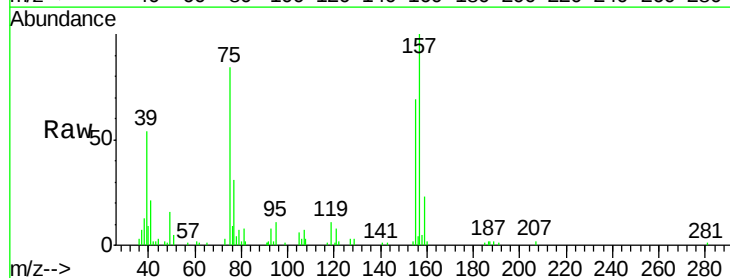
Manual Integrations
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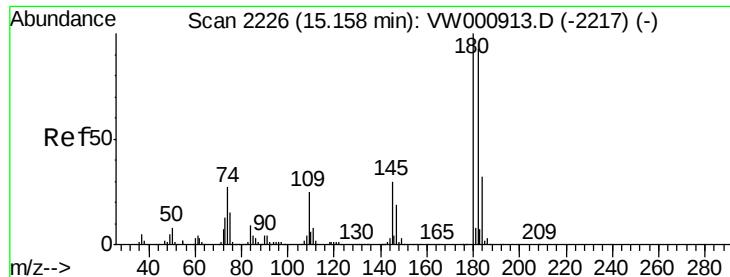
MMDadoda
 1/25/2018 1:34:01 PM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 21.41 ug/l
 RT: 14.51 min Scan# 2119
 Delta R.T. 0.00 min
 Lab File: VW000965.D
 Acq: 24 Jan 2018 23:10

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	10427		
155	90.4	45.9	137.6	
157	123.1	59.8	179.3	





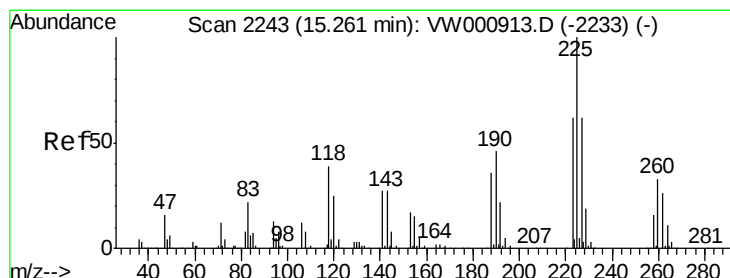
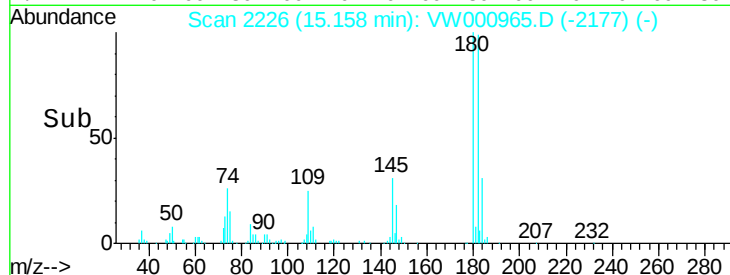
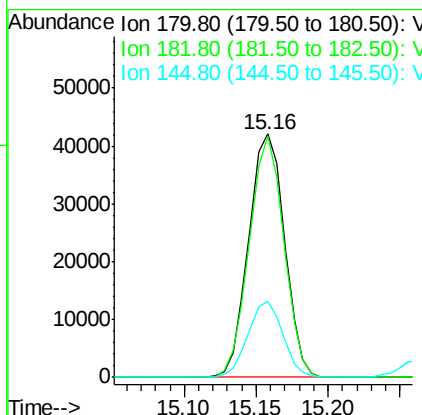
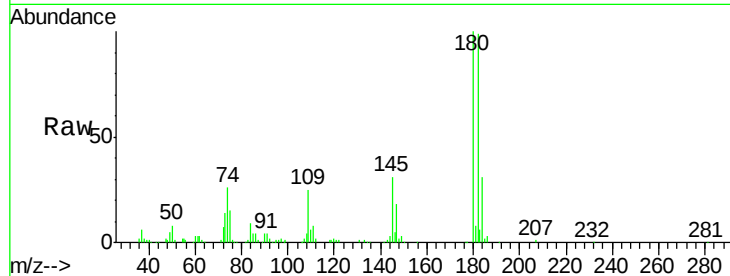
#93
 1,2,4-Trichlorobenzene
 Concen: 20.71 ug/l
 RT: 15.16 min Scan# 2226
 Delta R.T. 0.00 min
 Lab File: VW000965.D
 Acq: 24 Jan 2018 23:10

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0124SBS02

Tot Ion	Ratio	Lower	Upper
180	100		
182	95.4	47.5	142.6
145	30.2	14.9	44.7

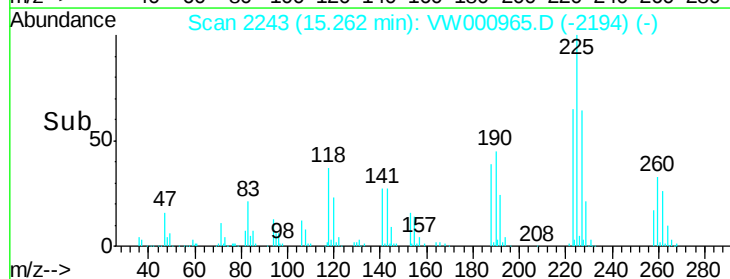
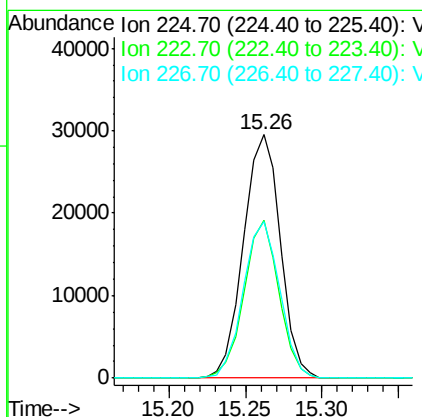
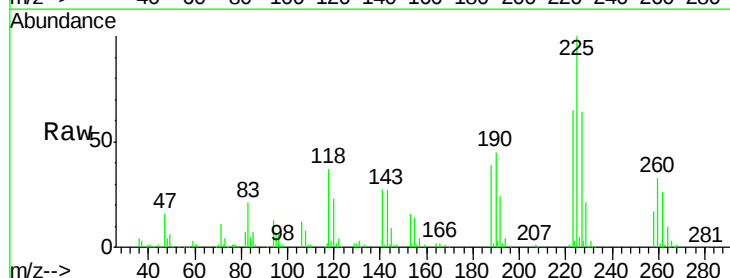
Manual Integrations
 APPROVED

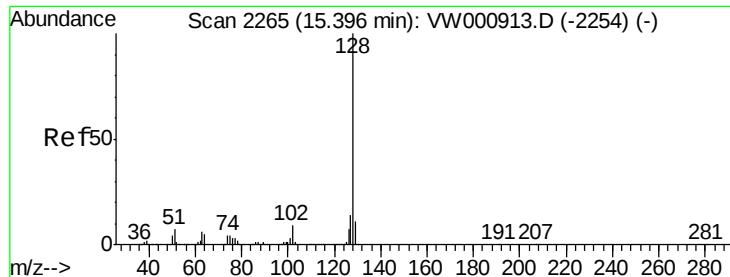
MMDadoda
 1/25/2018 1:34:01 PM



#94
 Hexachlorobutadiene
 Concen: 22.35 ug/l
 RT: 15.26 min Scan# 2243
 Delta R.T. 0.00 min
 Lab File: VW000965.D
 Acq: 24 Jan 2018 23:10

Tgt Ion	Ratio	Lower	Upper
225	100		
223	61.5	31.3	93.8
227	63.5	31.8	95.3





#95

Naphthalene

Concen: 21.42 ug/l

RT: 15.40 min Scan# 2265

Delta R.T. 0.00 min

Lab File: VW000965.D

Acq: 24 Jan 2018 23:10

Instrument :

MSVOA_W

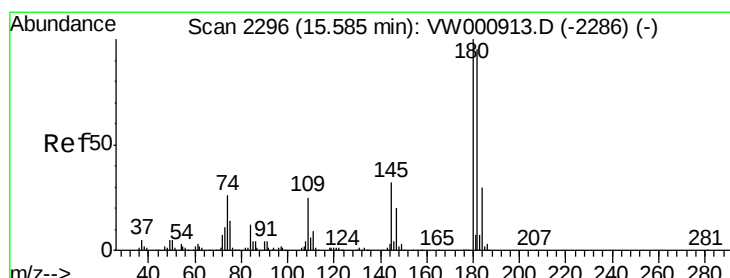
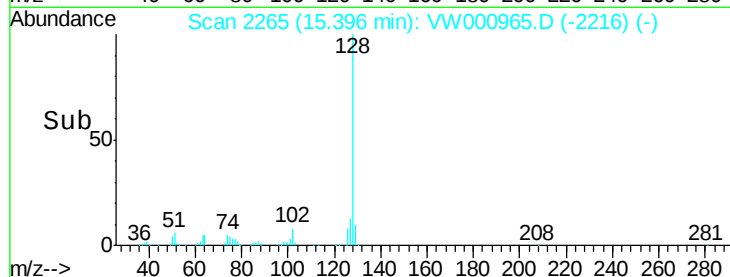
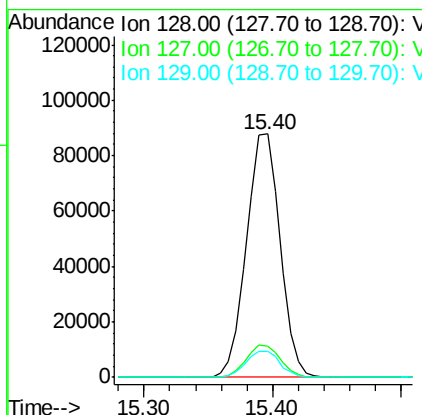
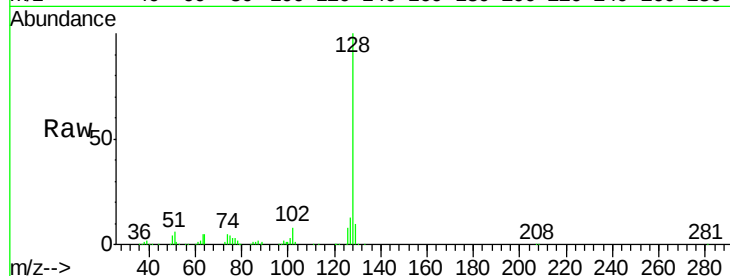
ClientSampleId :

VW0124SBS02

Tot Ion:	128	Resp:	158139
Ion Ratio	Lower	Upper	
128	100		
127	13.4	10.6	15.8
129	10.8	8.7	13.1

Manual Integrations
APPROVED

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1/25/2018 1:34:01 PM



#96

1,2,3-Trichlorobenzene

Concen: 21.34 ug/l

RT: 15.58 min Scan# 2296

Delta R.T. 0.00 min

Lab File: VW000965.D

Acq: 24 Jan 2018 23:10

Tgt Ion:	180	Resp:	68676
Ion Ratio	Lower	Upper	
180	100		
182	94.9	47.4	142.3
145	31.6	15.8	47.3

